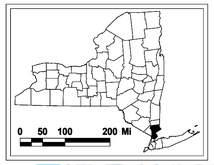
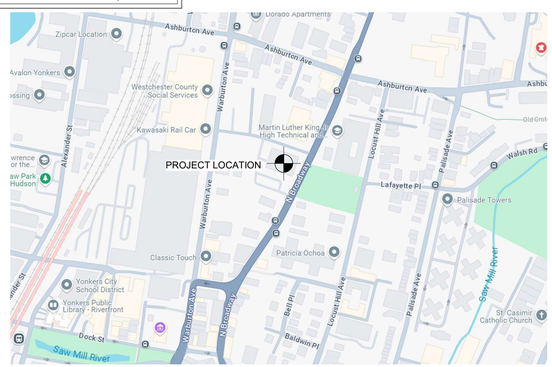
RENOVATE ARMORY

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY
O.G.S. PROJECT NOs. 47477-C, H, P, E





LOCATION PLAN

SCALE: N.T.S.

NEW YORK STATE | Military and Naval Affairs

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

COMMON C-, H-, P-, E-CONTRACTS

NO.	SHEET TITLE	SHEET X OF X	SHEET TOTAL
COMMON			
G-001	COVER SHEET	1	198
G-101	CODE SHEET	2	198
G-102	SITE LOGISTICS PLAN	3	198
G-103	GENERAL NOTES	4	198
G-104	CEILING COORDINATION PLANS AND NOTES	5	198

CONSTRUCTION / C-CONTRACT

NO.	SHEET TITLE	SHEET X OF X	SHEET TOTAL
HAZARDOUS MATERIALS			
H-101	LOWER LEVEL HAZARDOUS MATERIALS REMOVALS PLAN	6	198
H-102	UPPER LEVEL HAZARDOUS MATERIALS REMOVALS PLAN	7	198
CIVIL			
C-101	EXISTING SITE PLAN	8	198
C-102	REMOVAL PLAN	9	198
C-103	SITE PLAN	10	198
C-104	PARTIAL PLANS	11	198
C-501	SITE DETAILS	12	198
C-502	SITE DETAILS	13	198
C-503	SITE DETAILS	14	198
C-504	SITE DETAILS	15	198
C-505	SITE DETAILS	16	198
C-506	SITE DETAILS	17	198
C-507	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS	18	198
C-508	EROSION AND SEDIMENT CONTROL DETAILS	19	198
STRUCTURAL			
S-001	DESIGN DATA NOTES	20	198
S-002	GENERAL NOTES	21	198
S-003	GENERAL NOTES CONTINUED	22	198
S-100	FOUNDATION PLAN	23	198
S-101	SECOND FLOOR FRAMING PLAN	24	198
S-102	ROOF FRAMING PLAN	25	198
S-103	ELEVATOR TOWER FRAMING PLANS	26	198
S-200	BRACED FRAME ELEVATIONS AND DETAILS	27	198
S-201	CMU WALL ELEVATIONS	28	198
S-300	FOUNDATION SECTIONS AND DETAILS	29	198
S-301	FOUNDATION SECTIONS AND DETAILS	30	198
S-302	FOUNDATION SECTIONS AND DETAILS	31	198
S-400	MASONRY SECTIONS AND DETAILS	32	198
S-401	MASONRY SECTIONS AND DETAILS	33	198
S-402	MASONRY SECTIONS AND DETAILS	34	198
S-500	FRAMING SECTIONS AND DETAILS	35	198
S-501	FRAMING SECTIONS AND DETAILS	36	198
S-502	FRAMING SECTIONS AND DETAILS	37	198
1 S-503	FRAMING SECTIONS AND DETAILS	38	198
S-504	STAIR PARTIAL FRAMING PLANS	39	198
ARCHITECTURAL			
A-001	PARTITION INFORMATION	40	198
AD-101	LOWER LEVEL REMOVALS PLAN	41	198
AD-102	UPPER LEVEL REMOVALS PLAN	42	198
AD-103	ROOF REMOVALS PLAN	43	198
AD-201	EXTERIOR ELEVATIONS - REMOVALS	44	198
AD-202	EXTERIOR ELEVATIONS - REMOVALS	45	198
AD-203	INTERIOR REMOVAL ELEVATIONS	46	198
AD-401	BEARING WALL REMOVALS ELEVATION AND DETAILS	47	198
AD-402	BEARING WALL REPAIRS ELEVATION AND DETAILS	48	198
A-101	OVERALL LOWER LEVEL PLAN DIMENSIONS	49	198
A-102	OVERALL LOWER LEVEL PLAN	50	198
A-103	OVERALL UPPER LEVEL PLAN DIMENSIONS	51	198
A-104	OVERALL UPPER LEVEL PLAN	52	198
A-105	ROOF PLAN	53	198
A-121	OVERALL LOWER LEVEL RCP	54	198
A-122	OVERALL UPPER LEVEL RCP	55	198
A-201	EXTERIOR ELEVATIONS	56	198
A-202	EXTERIOR ELEVATIONS	57	198
A-203	METAL PANEL ELEVATIONS	58	198
A-211	INTERIOR ELEVATIONS LOWER LEVEL	59	198
A-212	INTERIOR ELEVATIONS LOWER LEVEL	60	198
A-213	INTERIOR ELEVATIONS LOWER LEVEL	61	198
A-214	INTERIOR ELEVATIONS UPPER LEVEL	62	198
A-215	INTERIOR ELEVATIONS UPPER LEVEL	63	198
A-301	BUILDING SECTIONS	64	198
A-401	RESTROOM PLANS & ELEVATIONS	65	198
A-402	RESTROOM PLANS & ELEVATIONS	66	198
A-403	RESTROOM PLANS & ELEVATIONS	67	198
A-404	ENLARGED PLANS LOWER LEVEL AREAS B & D	68	198
A-405	ENLARGED PLAN UPPER LEVEL AREA H	69	198
A-406	ADDITION PLANS AND DETAILS	70	198

CONSTRUCTION / C-CONTRACT

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A-411	ENLARGED CEILING PLAN LOWER LEVEL AREAS B & D	73	198
A-412	ENLARGED CEILING PLAN LOWER LEVEL AREA C	74	198
A-413	ENLARGED CEILING PLAN UPPER LEVEL AREA E	75	198
A-414	ENLARGED CEILING PLAN UPPER LEVEL AREA F	76	198
A-415	ENLARGED CEILING PLAN UPPER LEVEL AREA G	77	198
A-416	ENLARGED CEILING PLAN UPPER LEVEL AREA H	78	198
A-501	DOOR AND WINDOW DETAILS AND SCHEDULES	79	198
A-502	DOOR AND WINDOW DETAILS AND SCHEDULES	80	198
A-601	WALL SECTIONS	81	198
A-602	SECTIONS AND DETAILS	82	198
A-603	SECTIONS AND DETAILS	83	198
A-604	SECTIONS AND DETAILS	84	198
A-605	SECTIONS AND DETAILS	85	198
A-606	SECTIONS AND DETAILS	86	198
A-607	SECTIONS AND DETAILS	87	198
A-608	PLAN DETAILS	88	198
A-609	PLAN DETAILS	89	198
A-610	WINDOW DETAILS	90	198
A-611	FOUNDATION SECTIONS AND DETAILS	91	198
A-612	ROOF DETAILS	92	198
A-613	STAIR DETAILS - ADDITION	93	198
A-614	STAIR DETAILS - LOBBY	94	198
A-615	ACOUSTIC CEILING CLOUD SYSTEM TYPICAL DETAILS	95	198
A-616	ACOUSTIC CEILING PANEL TYPICAL MOUNTING DETAILS	96	198
A-617	CEILING DETAILS	97	198
U-401	ELEVATOR PLANS, SECTIONS, ELEVATIONS AND DETAILS	98	198
INTERIORS			
I-101	LOWER LEVEL FLOOR FINISH PLAN	99	198
I-102	UPPER LEVEL FLOOR FINISH PLAN	100	198
I-600	INTERIORS SYMBOLS, ABBREVIATIONS, DETAILS & NOTES	101	198
I-601	INTERIOR DETAILS	102	198
I-602	FINISH SCHEDULES AND LEGEND	103	198
I-603	SIGN AND ROLLER SHADE TYPES & SCHEDULES	104	198
I-604	MILLWORK DETAILS	105	198
I-605	ACOUSTIC WALL PANEL TYPICAL MOUNTING DETAILS	106	198

HVAC / H-CONTRACT

NO.	SHEET TITLE	SHEET X OF X	SHEET TOTAL
MECHANICAL			
M-001	HVAC SYMBOLS, ABBREVIATIONS AND NOTES	107	198
M-002	HVAC SCHEDULES SHEET NO. 1	108	198
M-003	HVAC SCHEDULES SHEET NO. 2	109	198
M-004	HVAC VENTILATION SCHEDULE	110	198
M-060	HVAC LOWER LEVEL - REMOVAL PLAN	111	198
M-061	HVAC UPPER LEVEL - REMOVAL PLAN	112	198
M-062	HVAC ROOF - REMOVAL PLAN	113	198
M-063	HVAC LOWER LEVEL PIPING PLAN - REMOVAL PLAN	114	198
M-064	HVAC UPPER LEVEL PIPING PLAN - REMOVAL PLAN	115	198
M-065	HVAC ROOF PIPING PLAN - REMOVAL PLAN	116	198
M-100	HVAC LOWER LEVEL DUCTWORK PLAN	117	198
M-101	HVAC UPPER LEVEL DUCTWORK PLAN	118	198
M-101E	HVAC UPPER LEVEL DUCTWORK PLAN E	119	198
M-101F	HVAC UPPER LEVEL DUCTWORK PLAN F	120	198
M-101G	HVAC UPPER LEVEL DUCTWORK PLAN G	121	198
M-101H	HVAC UPPER LEVEL DUCTWORK PLAN H	122	198
M-102	HVAC ROOF PLAN	123	198
M-200	HVAC LOWER LEVEL PIPING PLAN	124	198
M-201	HVAC UPPER LEVEL PIPING PLAN	125	198
M-202	HVAC ROOF PLAN PIPING PLAN	126	198
M-301	MECHANICAL ENLARGED PLANS	127	198
M-401	AIRFLOW DIAGRAM	128	198
M-402	HOT WATER RISER DIAGRAM-1	129	198
M-405	REFRIGERANT RISER DIAGRAM	130	198
M-501	CONTROLS DIAGRAMS SHEET NO. 1	131	198
M-502	CONTROLS DIAGRAMS SHEET NO. 2	132	198
M-503	CONTROLS DIAGRAMS SHEET NO. 3	133	198
M-504	CONTROLS DIAGRAMS SHEET NO. 4	134	198
M-505	CONTROLS DIAGRAMS SHEET NO. 5	135	198
M-506	CONTROLS DIAGRAMS SHEET NO. 6	136	198
M-507	CONTROLS DIAGRAMS SHEET NO. 7	137	198
M-508	CONTROLS DIAGRAMS SHEET NO. 8	138	198
M-509	CONTROLS DIAGRAMS SHEET NO. 9	139	198
M-601	HVAC STANDARD DETAILS SHEET NO. 1	140	198
M-602	HVAC STANDARD DETAILS SHEET NO. 2	141	198
M-603	HVAC STANDARD DETAILS SHEET NO. 3	142	198

PLUMBING / P-CONTRACT

NO.	SHEET TITLE	SHEET X OF X	SHEET TOTAL
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P-001	PLUMBING SYMBOLS, ABBREVIATIONS, AND NOTES	143	198
P-002	PLUMBING SCHEDULES	144	198
P-020	SITE PLAN	145	198
P-060	PLUMBING LOWER LEVEL - REMOVAL PLAN	146	198
P-061	PLUMBING UPPER LEVEL - REMOVAL PLAN	147	198
P-100A	PLUMBING LOWER LEVEL PLAN - UNDERGROUND	148	198
P-100B	PLUMBING LOWER LEVEL PLAN - OVERHEAD PLAN	149	198
P-101A	PLUMBING UPPER LEVEL PLAN - BELOW SLAB PLAN	150	198
P-101B	PLUMBING UPPER LEVEL PLAN - OVERHEAD PLAN	151	198
P-200	PLUMBING LOWER LEVEL - DOMESTIC WATER PLAN	152	198
P-201	PLUMBING UPPER LEVEL - DOMESTIC WATER PLAN	153	198
P-202	PLUMBING ROOF LEVEL - PIPING PLAN	154	198
P-301	PLUMBING ENLARGED PART PLANS - SHEET NO.1	155	198
P-401	SANITARY/VENT RISER DIAGRAM SHEET NO. 1	156	198
P-402	DOMESTIC WATER RISER DIAGRAM SHEET NO. 1	157	198
P-403	STORM RISER DIAGRAM	158	198
P-404	GAS RISER DIAGRAM	159	198
P-501	P&D TYPICAL DETAILS SHEET NO. 1	160	198
P-502	P&D TYPICAL DETAILS SHEET NO. 2	161	198
P-503	P&D TYPICAL DETAILS SHEET NO. 3	162	198
P-504	P&D TYPICAL DETAILS SHEET NO. 4	163	198
FIRE PROTECTION			
F-001	FIRE PROTECTION NOTES AND SYMBOLS	164	198
FD-101	LOWER LEVEL FIRE PROTECTION REMOVALS	165	198
FD-102	UPPER LEVEL FIRE PROTECTION REMOVALS PLAN	166	198
F-101	LOWER LEVEL FIRE PROTECTION PLAN	167	198
F-102	UPPER LEVEL FIRE PROTECTION PLAN	168	198
F-401	FIRE PROTECTION SECTION VIEW 1	169	198
F-402	FIRE PROTECTION ENLARGED VIEW	170	198
F-501	FIRE PROTECTION DETAILS	171	198
F-502	FIRE PROTECTION DETAILS	172	198

ELECTRICAL / E-CONTRACT

NO.	SHEET TITLE	SHEET X OF X	SHEET TOTAL
ELECTRICAL			
E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES	173	198
E-002	SITE AND SERVICE PLAN	174	198
E-004	GROUNDING PLAN	175	198
E-060	LOWER LEVEL REMOVALS PLAN	176	198
E-061	UPPER LEVEL REMOVALS PLAN	177	198
E-062	ROOF LEVEL REMOVAL PLAN	178	198
1 E-100	LOWER LEVEL POWER PLAN	179	198
E-101	UPPER LEVEL POWER PLAN	180	198
E-102	ROOF POWER PLAN	181	198
E-200	LOWER LEVEL LIGHTING PLAN	182	198
2 E-201	UPPER LEVEL LIGHTING PLAN	183	198
E-301	ENLARGED PLANS	184	198
E-501	POWER SYSTEM SINGLE LINE	185	198
E-502	LIGHTING FIXTURE SCHEDULE	186	198
E-601	PANEL SCHEDULES	187	198
E-602	PANEL SCHEDULES	188	198
2 E-701	ELECTRICAL TYPICAL DETAIL SHEET NO.1	189	198
E-702	ELECTRICAL TYPICAL DETAIL SHEET NO.2	190	198
FIRE ALARM			
FA-001	FIRE ALARM SYMBOLS, ABBREVIATIONS AND NOTES	191	198
1 FA-060	FIRE ALARM LOWER LEVEL REMOVALS PLAN	192	198
FA-061	FIRE ALARM UPPER LEVEL REMOVALS PLAN	193	198
FA-100	FIRE ALARM LOWER LEVEL PLAN	194	198
FA-101	FIRE ALARM UPPER LEVEL PLAN	195	198
FA-102	FIRE ALARM ROOF PLAN	196	198
FA-201	FIRE ALARM RISER DIAGRAM	197	198
FA-401	FIRE ALARM TYPICAL DETAILS	198	198

REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

07/20/2026

PERMIT AMENDMENT / BID SET

MARK	DATE	DESCRIPTION
	11/24/2025	PERMIT SET
1	03/11/2026	PERMIT AMENDMENT SET
2	07/20/2026	PERMIT AMENDMENT / BID SET

DRAWING NUMBER:

G-001

BUILDING CODE SUMMARY

PROJECT NAME: RENOVATE ARMORY
PROJECT NUMBER: OGS NOs. 47477-C, H, P, E
APPLICABLE CODE STATEMENT: THE NEW YORK STATE UNIFORM FIRE PROTECTION AND BUILDING CODE (UNIFORM CODE). CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE 2020 BUILDING CODE OF NEW YORK STATE, THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AS WELL AS ALL ALL OTHER CURRENT LOCAL, STATE AND FEDERAL CODES AND REGULATIONS APPLICABLE TO THIS PROJECT.

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONALS KNOWLEDGE INFORMATION, BELIEF AND PROFESSIONAL JUDGEMENT THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

EXISTING BUILDING STRUCTURES (NYSEBC)

- ☐ REPAIRS (CHAPTER 4)
- ☐ ALTERATIONS LEVEL 1 (CHAPTER 7)
- ☐ ALTERATIONS LEVEL 2 (CHAPTER 8)
- ■ ALTERATIONS LEVEL 3 (CHAPTER 9)
- ☐ CHANGE OF OCCUPANCY:
  - EXISTING/ PREVIOUS OCCUPANCY CLASSIFICATION(S): _____
  - NEW OCCUPANCY CLASSIFICATION(S): _____
  - PARTIAL CHANGE OF OCCUPANCY: ☐ YES ☐ NO
  - ☐ SEPARATED OCCUPANCY ☐ NON-SEPARATED OCCUPANCY
- ■ ADDITIONS (CHAPTER 11)
  - SEPARATED ADDITION: ☐ YES ■ NO
- ☐ HISTORIC BUILDING (CHAPTER 12)
- ☐ RELOCATED BUILDING (CHAPTER 14)
- ☐ ACCESSIBILITY UPGRADES (CHAPTER 305)
  - APPLICABLE SECTIONS: _____

OCCUPANCY CLASSIFICATION (NYSBC CHPTS 3 & 5)

- ☐ SINGLE ☐ ACCESSORY-GROUP
- ■ MIXED OCCUPANCY ☐ SEPARATED ■ NON-SEPARATED
  - IF SEPARATED, FIRE RESISTANCE RATING OF FIRE BARRIER: N/A (TBLE 508.4)
  - OCCUPANCY CLASSIFICATION: B BUSINESS/ A-ASSEMBLY
  - USES: MILITARY ARMORY AND STORAGE FACILITY

AUTOMATIC SPRINKLER SYSTEM PROVIDED THROUGHOUT THE BUILDING:

■ YES ☐ NO

PARTIAL/LIMITED AREA SPRINKLER SYSTEM PROVIDED:

☐ YES ■ NO

NFPA STANDARD: ■ 13 ☐ 13R ☐ ALT. FIRE PROTECTION SYSTEM: _____

CONSTRUCTION TYPE: IIB (SECTION NYSBC 601)
FIRE RESISTIVE RATING OF BUILDING ELEMENTS:

BUILDING ELEMENTS	REQUIRED	PROVIDED	SECTION
STRUCTURAL FRAME	0-HR	0-HR	(TBLE 601)
BEARING WALLS (EXT)	0-HR	0-HR	(TBLE 601)
BEARING WALLS (INT)	0-HR	0-HR	(TBLE 601)
NON-BEARING WALLS (EXT)	0-HR	0-HR	(TBLE 601)
NON-BEARING WALLS (INT)	0-HR	0-HR	(TBLE 601)
FLOOR CONSTRUCTION	0-HR	0-HR	(TBLE 601)
ROOF CONSTRUCTION	0-HR	0-HR	(TBLE 601)
EXIT STAIRWAY WALLS AND DOORS (INT)	1-HR	1-HR	(SECTION 1023)
SHAFTS (MECHANICAL & ELEVATOR)	1-HR	1-HR	(SECTION 713.4)

HEIGHT & AREA - ALLOWABLE
PER TABLES (504.3, 504.4 & 506.3)

OCCUPANCY CLASSIFICATION	ALLOWABLE AREA PER FLOOR	TABULAR AREA (At) PER FLOOR	TABULAR HEIGHT	
			FEET	STORIES
B-BUSINESS	86,250 SF	69,000 SF	75 FEET	4
A-ASSEMBLY*	35,625 SF	28,500 SF	75 FEET	3

* AS THE MORE RESTRICTIVE OCCUPANCY, A-ASSEMBLY SHALL BE USED.

If = [F/P - 0.25] W / 30 = 0.75

W = (L1 x w1 + L2 x w2 + L3 x w3 + ...) / F = 30.0'
(F) = 568.0'
(P) = 568.0'

Aa = [At + (NS x If)] = 35,625 SF (ASSEMBLY)
(NS) = 9,500 SF
(Sa) = 2.0

Aa = [At + (NS x If)] = 86,250 SF (BUSINESS)
(NS) = 23,000 SF
(Sa) = 2.0

HEIGHT & AREA - EXISTING / PROPOSED:

TABULAR HEIGHT	FEET	STORIES
EXISTING	24' - 8"	2
ADDITION	36' - 0"	3

BUILDING AREA SUMMARY	INFILL	EXISTING	ADDITION	TOTAL
LOWER LEVEL	N/A	16,288 SF	524 SF	16,812 SF
UPPER LEVEL	4,090 SF	9,918 SF	356 SF	14,364 SF
ROOF LEVEL	N/A	N/A	166 SF	166 SF

FIRE PROTECTION SYSTEMS:

FIRE PROTECTION SYSTEM	REQUIRED	PROVIDED	SECTION
AUTOMATIC SPRINKLER	YES	YES	(903)
ALT AUTOMATIC FIRE EXTINGUISHER SYS.	NO	NO	(904)
STANDPIPE	NO	NO	(905)
PORTABLE FIRE EXTINGUISHER	YES	YES	(906)
FIRE ALARM & DETECTION	YES	YES	(907)
EMERGENCY ALARM	NO	NO	(908)
SMOKE CONTROL SYSTEM	NO	NO	(909)
SMOKE & HEAT REMOVAL	NO	NO	(910)
FIRE COMMAND CENTER	NO	NO	(911)
FIRE DEPARTMENT CONNECTIONS	NO	NO	(912)
FIRE PUMP	NO	NO	(913)
EMERGENCY RESPONDER SAFETY	NO	NO	(914)
CARBON MONOXIDE DETECTION	YES	YES	(915)
GAS DETECTION	NO	NO	(916)
MASS NOTIFICATION SYSTEMS	NO	NO	(917)
EMERGENCY RESPONDER RADIO	NO	NO	(918)

MEANS OF EGRESS:
DESIGN OCCUPANT LOAD SUMMARY

OCCUPANCY	LOWER LEVEL	UPPER LEVEL	ROOF LEVEL	
BUSINESS	47	144	2	
ASSEMBLY	297			
STORAGE	30	5		
TOTAL	374	149	2	**525 TOTAL**

MEANS OF EGRESS ELEMENT	REQUIRED	PROVIDED	SECTION
NUMBER OF EXITS	2 PER STORY	SEE DWG	(1006.3.2)
EXIT ACCESS TRAVEL DISTANCE	300 FEET	SEE DWG	(TABLE 1017.2)
DEAD-END LIMIT	50 FEET	SEE DWG	(1020.4)
COMMON PATH OF TRAVEL LIMIT	100 FEET	SEE DWG	(1006.2.1)
CORRIDOR FIRE-RESISTANCE RATING	0-HR	0-HR	(TABLE 1020.1)

DISCLAIMER: OCCUPANT LOADS ARE FIGURED FOR THE PURPOSES OF EGRESS, ONLY, AND DO NOT REFLECT EXPECTED MAXIMUM OCCUPANT LOAD. THE EXPECTED MAXIMUM OCCUPANT LOAD DURING SURGE WEEKENDS IS ANTICIPATED TO BE LOWER.

MEANS OF EGRESS WIDTH:

STAIRS	REQUIRED	PROVIDED	SECTION
LOWER LEVEL	0.3 X 374 OCCUPANTS = 112.2"	61"*	(1005.3.1) (1009.3)
UPPER LEVEL	0.3 X 149 OCCUPANTS = 44.7"	111"	
ROOF LEVEL	0.3 X 2 OCCUPANTS = 0.6"	50"	

* ON THE LOWER LEVEL, STAIRS S2 ARE ONE OF THREE EXIT ACCESS PATHWAYS TO THE EXTERIOR.

DOORS / OTHER	REQUIRED	PROVIDED	SECTION
LOWER LEVEL	0.2 X 374 OCCUPANTS = 74.8"	320"	(1005.3.2) (1007.1)
UPPER LEVEL	0.2 X 149 OCCUPANTS = 29.8"	320"	
ROOF LEVEL	0.2 X 2 OCCUPANTS = 0.4"	320"	

CORRIDORS	REQUIRED	PROVIDED	SECTION
LOWER LEVEL	44" MINIMUM	54" MINIMUM	(TABLE 1020.2)
UPPER LEVEL			
ROOF LEVEL			

CONSTRUCTION SAFETY COMPLIANCE WITH:

- ■ CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION (NYSBC)
- ■ CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND REMOVALS (NYSFC)

PLUMBING FIXTURE REQUIREMENTS:

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	WATER CLOSETS				URINALS		D.F.		LAVATORIES			
		MEN		WOMEN						MEN		WOMEN	
		REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
B-BUSINESS	198	2.93	9	2.93	8	0	4	1.93	4	2.21	6	2.21	5
A-ASSEMBLY	297	1.19	9	2.28	8	0	4	0.59	4	0.74	6	0.74	5
S-STORAGE	35	0.18	9	0.18	8	0	4	0.04	4	0.18	6	0.18	5
FRACTIONAL TOTAL		4.30		5.39		0		2.56		3.13		3.13	
SUMMED TOTAL		5	9	6	8	0	4	3	4	4	6	4	5

SEPARATE FACILITIES FOR EACH GENDER REQ: ■ YES ☐ NO
OTHER PLUMBING FIXTURES PROVIDED: (2) SERVICE SINKS PROVIDED

ENERGY CONSERVATION CODE COMPLIANCE:

COUNTY: WESTCHESTER COUNTY
CLIMATE ZONE: ☐ 1 ☐ 2 ☐ 3 ■ 4A ☐ 5 ☐ 6
COMPLIANCE METHOD: ☐ PRESCRIPTIVE ☐ COMCHECK ☐ ASHRAE 90.1-2016
■ BUILDING ADDITION ■ ALTERATION ☐ REPAIRS ☐ CHANGE OF OCCUP.

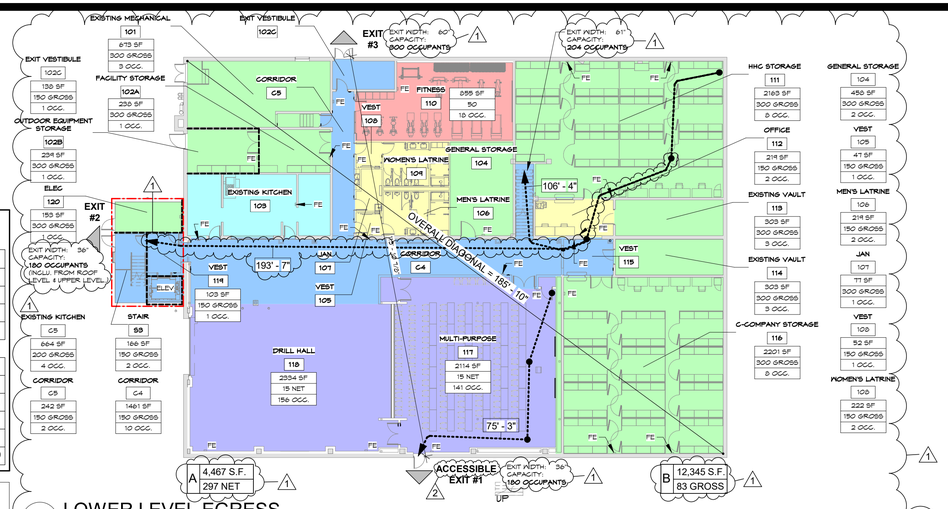
ITEM	EXISTING	REQUIRED	PROPOSED	REMARKS
INSUL. ABOVE ROOF DECK	R-20		N/C	EXISTING ROOF
INSUL. ABOVE ROOF DECK		R-33ci	R-33ci	ADDITION ROOF
WALLS ABOVE GRADE	R-5		EXIST + R-10	EXISTING WALLS
WALLS ABOVE GRADE		R-19 + R1.5ci	R-23ci	ADDITION WALLS
WALLS BELOW GRADE	R-5		N/C	EXISTING WALLS
WALLS BELOW GRADE		R-7.5ci	R-7.5ci	ADDITION WALLS
SLAB ON GRADE	UNKNOWN		N/C	EXISTING SLAB
SLAB ON GRADE		R-15ci	R-15ci	ADDITION SLAB
FENESTRATION				
FIXED FENESTRATION	UNKNOWN	U-0.36	U-0.36	
ENTRANCE DOORS	UNKNOWN	U-0.77	U-0.77	
OPAQUE DOORS	UNKNOWN	U-0.50	U-0.50	
GARAGE DOORS	UNKNOWN	U-0.31	U-0.31	LESS THAN 14% GLAZING

N/A- NOT APPLICABLE N/C- NO CHANGE N/R- NOT REQUIRED N/P- NOT PROVIDED

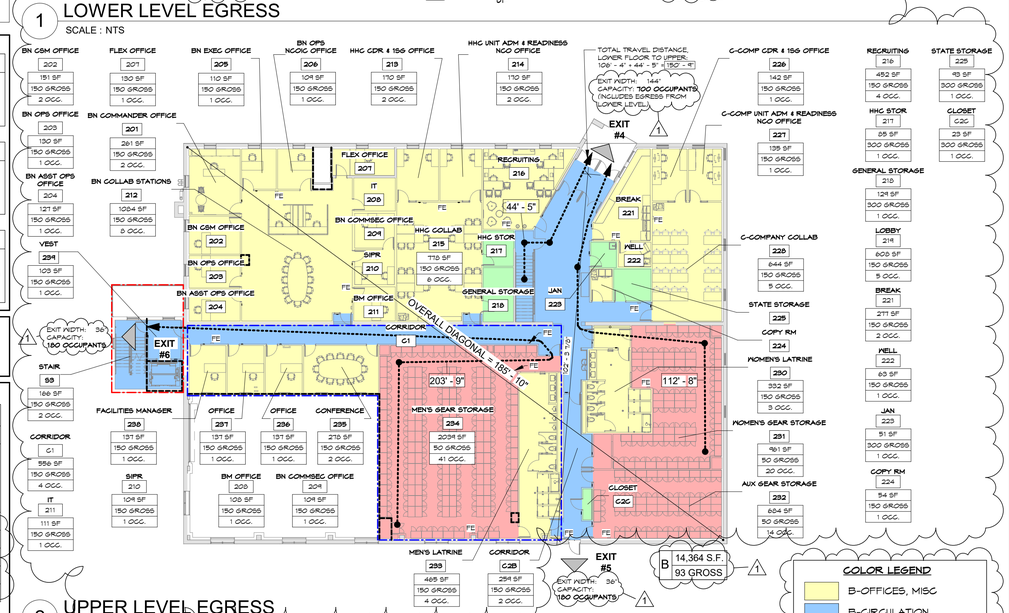
MANDATORY REQUIREMENTS:

- ☐ AIR LEAKAGE (CHAPTER C402.5)
- ☐ BUILDING MECHANICAL SYSTEMS (CHAPTER C403)
- ☐ SERVICE WATER HEATING (CHAPTER C404)
- ☐ ELECTRICAL AND POWER LIGHTING SYSTEMS (CHAPTER C405)

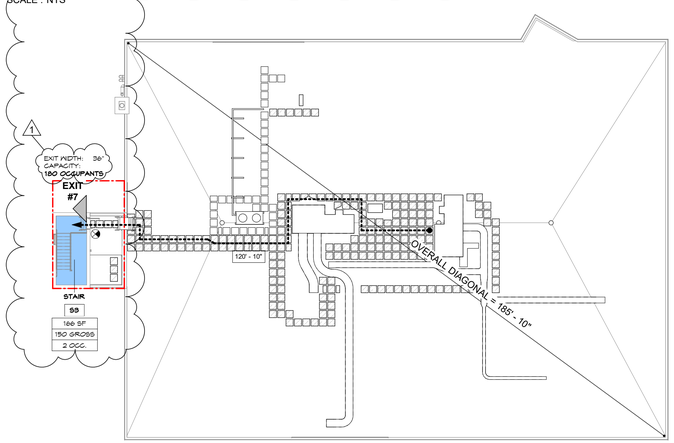
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONALS KNOWLEDGE INFORMATION, BELIEF AND PROFESSIONAL JUDGEMENT THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1 LOWER LEVEL EGRESS
SCALE : NTS



2 UPPER LEVEL EGRESS
SCALE : NTS



3 ROOF LEVEL EGRESS
SCALE : NTS

COLOR LEGEND

- B-OFFICES, MISC
- B-CIRCULATION
- B-FITNESS, LOCKERS
- B-COMMERCIAL KITCHEN
- A-ASSEMBLY
- S-STORAGE/UTILITY
- ADDITION BOUNDARY
- INFILL BOUNDARY

LEGEND

ROOM NAME / ROOM # — SQUARE FOOTAGE / LOAD FACTOR / # OF OCCUPANTS
OCCUPANCY — SQUARE FOOTAGE / # OF OCCUPANTS
X' → X' MAX TRAVEL, DISTANCE
EXIT
EXIT SIGNAGE / DIRECTION INDICATOR
1 HR FIRE BARRIER
2 HR FIRE BARRIER
FE — FIRE EXTINGUISHER CABINET
EXISTING WALLS

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C, H, P, E
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
CODE SHEET

DRAWING NUMBER:
G-101

SHEET 2 OF 198

GENERAL LOGISTICS NOTES:

THIS LOGISTICS PLAN REPRESENTS EXISTING CONDITIONS PRIOR TO THE START OF WORK FOR THE PURPOSES OF SITE ACCESS AND STAGING. REFER TO SITE DRAWINGS FOR DIMENSIONS AND DETAILS.

1. CONTRACTOR PARKING:
   1.1. PARKING IS AVAILABLE ON SITE. COORDINATE WITH DIRECTOR'S REPRESENTATIVE AND DIRECTOR'S REPRESENTATIVE PERFORMED SITE WORK.

2. COORDINATE FINAL CRANE STAGING AND CONTRACTOR STAGING AREA, ACCESS, PARKING, DELIVERY & STORAGE WITH DIRECTOR'S REPRESENTATIVE PRIOR TO MOBILIZATION.

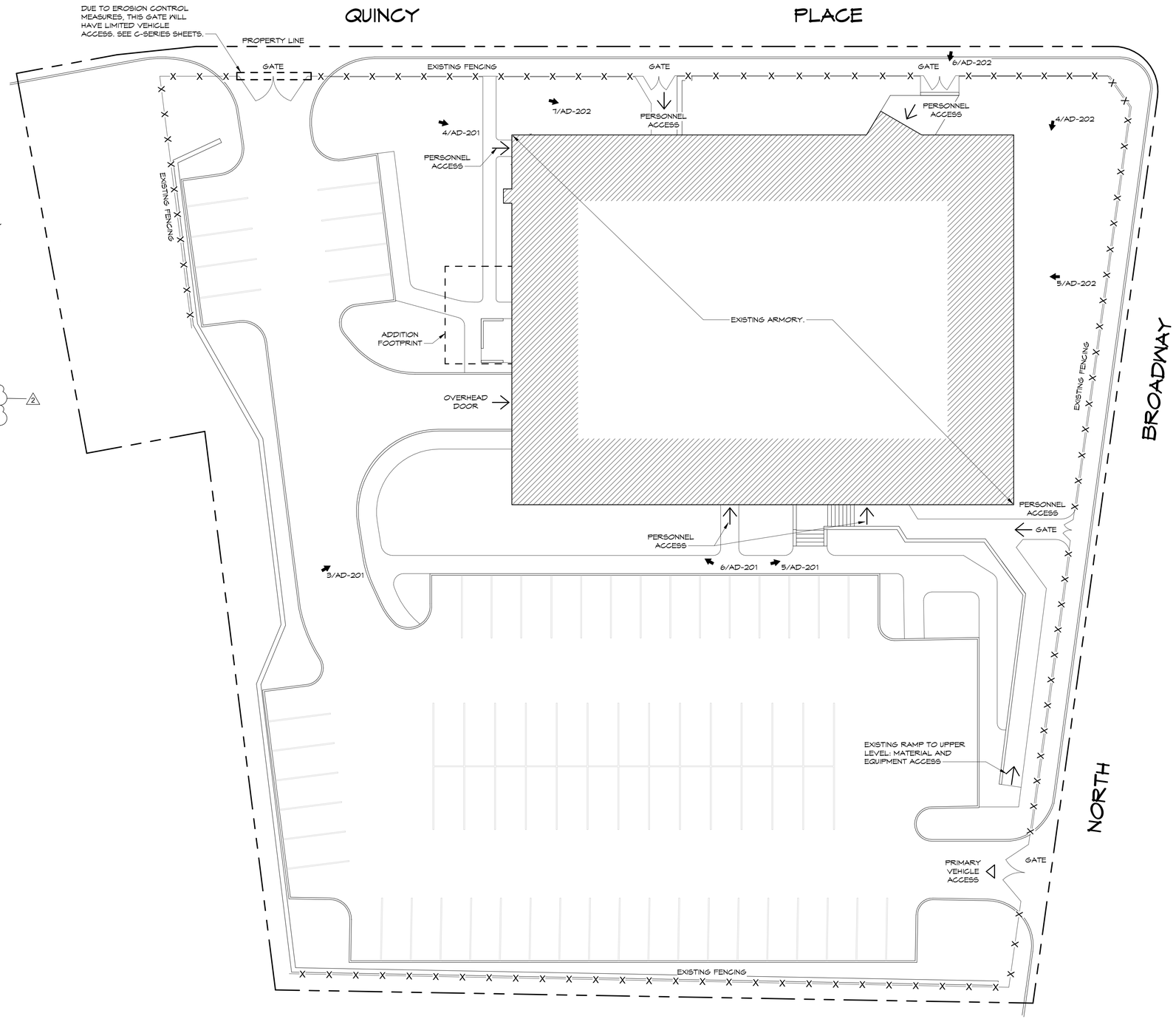
   2.1. PROVIDE A CRANE PICK PLAN SUBMITTAL FOR REVIEW FOR ALL CRANE OPERATIONS. INCLUDE CRANE LOADING INFORMATION, OPERATOR CERTIFICATIONS, LAYDOWN AND PICK SITE PLAN FOR ARCHITECT AND DIRECTOR'S REPRESENTATIVE REVIEW PRIOR TO WORK.
   2.2. PROVIDE A FLAGMAN TO DIRECT TRAFFIC WHEN ACCEPTING MATERIAL DELIVERIES OR EQUIPMENT MOVEMENT TO PROVIDE SAFE PASSAGE TO CONSTRUCTION AREAS. TEMPORARY ROAD CLOSURES MUST BE COORDINATED IN ADVANCE. MAINTAIN ROAD ACCESS WIDTH IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS BUT NOT LESS THAN 14'-0" WIDE.

3. MAINTAIN SECURITY OF EXISTING PERIMETER FENCE. PROVIDE CHAINS AND EXTERIOR-GRADE LOCKS TO SECURE EXISTING GATES WHILE SITE IS UNATTENDED FOR THE DURATION OF WORK.

   3.1. TEMPORARY FENCE POSTS LOCATED IN GRASS AREAS MAY BE DRILLED. POSTS AND BASE OF FENCE ON IMPERVIOUS SURFACES TO BE BALLASTED WITH OUTRIGGERS ADEQUATELY DESIGNED TO WITHSTAND WIND LOADS FROM OVERTURNING THE FENCE. REFER TO THIS DRAWING AND SITE DRAWINGS.

4. LOGISTICS SITE PLAN INFORMATION IS BASED ON RECORD INFORMATION PROVIDED. REFER TO SITE DRAWINGS FOR EXISTING UTILITIES, TREES, LANDSCAPING, SIDEWALKS, PAVEMENTS, EQUIPMENT, FIXTURES AND TOPOGRAPHIC INFORMATION MAY BE SHOWN. CONTRACTOR SHALL FIELD VERIFY AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. REPAIR AND RESTORE ANY DAMAGE TO EXISTING CONSTRUCTION AND SITE WORK RESULTING FROM THE WORK OF THIS PROJECT INCLUDING BUT NOT LIMITED TO: GRASSED OR LANDSCAPED AREAS, CURBS, WALKWAYS, CATCH BASINS, PAVEMENT, ETC. CAUSED BY THE WORK OF THIS PROJECT. REPAIRS ARE TO MATCH ORIGINAL/ADJACENT SURFACES UNLESS NOTED OTHERWISE. CONTRACTOR TO TAKE PHOTOGRAPHS OF SITE PRIOR TO START OF WORK AND SUBMIT TO DIRECTOR'S REPRESENTATIVE'S REPRESENTATIVE.

5. ALL CONTRACTORS ARE REQUIRED TO PROTECT THE EXISTING SITE, PAVEMENTS, WALKWAYS, GRADES, ETC, AND ARE RESPONSIBLE TO RESTORE ALL AREAS DISTURBED DURING THEIR WORK TO PRE-CONSTRUCTION CONDITIONS WHERE NOT PART OF THE PROJECT RENOVATION. 2



SITE SYMBOLS LEGEND	
←	PERSONNEL / MATERIAL ACCESS
◁	VEHICLE ACCESS
↖ 1/--	PHOTO # REFERENCE

1 SITE PLAN
SCALE : 1/16" = 1'-0"

TRUE NORTH
NORTH

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PROJECT NUMBER:	47477-C, H, P, E 2
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
SITE LOGISTICS PLAN

DRAWING NUMBER: 1
G-102

ABBREVIATIONS

(ALSO REFER TO ADDITIONAL SPECIFIC ABBREVIATIONS AS NOTED IN EACH DISCIPLINE'S GENERAL NOTES)

AL	ALUMINUM
ACT	ACTUAL
APPR	APPROXIMATE/APPROXIMATELY
BC	BOTTOM OF CURB
BLDG	BUILDING
BM	BENCHMARK
BOS	BOTTOM OF SLOPE
BS	BOTTOM OF STAIR
BW	BOTTOM OF WALL
B&B	BALLED AND BURLAPPED
CAL	CALIPER
CB	CATCH BASIN
CF	CUBIC FEET
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE/CIRCULAR
CJ	CONTROL JOINT
CLF	CHAIN-LINK FENCE
CLL	CONTRACT LIMIT LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTAINER
CONTR	CONTRACTOR
CY	CUBIC YARDS
DET	DETAIL
DIM	DIMENSION
DIA	DIAMETER
DMH	DROP MANHOLE
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
EQ	EQUAL
ES	END SECTION
EX	EXISTING
EXP	EXPANSION
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FIN	FINISH
FL	FLOOR
FTG	FOOTING
FT	FOOT/FEET
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR (C-CONTRACTOR)
GR	GUARDRAIL
GV	GAS VALVE
HOR	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HW	HEAD WALL
HWY	HIGHWAY
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH/INCHES
INL	INLET
INV	INVERT
IP	IRON PIPE
JB	JUNCTION BOX
L	LENGTH/LONG
LA	LANDSCAPE ARCHITECT
LAT	LATITUDE
LF	LINEAR FEET
LFT	LEFT
LIN	LINEAR
LP	LOW POINT
M	METER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
NUM	NUMBER
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OP	OUTLET PROTECTION
PA	PLANTING AREA
PC	POINT OF CURVATURE
PL	PROPERTY LINE
PT	POINT OF TANGENT / PERCOLATION TEST LOCATION
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SAN	SANITARY
SECT	SECTION
SF	SQUARE FOOT
SG	SUB GRADE
SH	SHEET
SIM	SIMILAR
SL	STREET LIGHT
SPEC	SPECIFICATIONS/SPECIFIED
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
SY	SQUARE YARD
T	TANGENT
TB	TEST BORING
TC	TOP OF CURB
TOS	TOP OF SLOPE
TS	TOP OF STAIR
TW	TOP OF WALL
TYP	TYPICAL
T&G	TONGUE AND GROOVE
UD	UNDERDRAIN
USGS	UNITED STATES GEOLOGICAL SURVEY
VAR	VARIES/VARIABLE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WEST
WE	WATER ELEVATION
WL	WALK LIGHT
WV	WATER VALVE
WWM	WOVEN WIRE MESH
W/	WITH
W/O	WITHOUT
YD	YARD DRAIN
℄	CENTER LINE
±	PLUS OR MINUS
Δ	CHANGE IN VALUE
<	LESS THAN
>	GREATER THAN

GENERAL DESIGN NOTES:

A. THIS PROJECT IS DESIGNED IN ACCORDANCE WITH 2020 BUILDING CODE OF NEW YORK STATE (REFERENCING THE 2018 INTERNATIONAL CODES).

B. EXPOSED MATERIALS THAT WERE ANTICIPATED TO BE WITHIN THE SCOPE OF THIS PROJECT AT THE TIME OF DESIGN HAVE BEEN TESTED FOR ASBESTOS AND LEAD PAINT CONTENT. SEE THE HAZARDOUS MATERIAL SURVEY REPORT APPENDED TO THE PROJECT MANUAL FOR A LIST OF TESTED MATERIALS AND THEIR RESULTS. IN SUMMARY, ACM MATERIALS & LEAD BASED MATERIALS ARE ANTICIPATED TO BE DISTURBED.

2

C. C-CONTRACTOR IS RESPONSIBLE)TO FIRE STOP ALL PENETRATIONS IN RATED FLOORS AND RATED WALLS WITH LISTED SYSTEMS, TYP.

1

D. ALL FURNITURE, AND EQUIPMENT NOT AFFIXED TO THE BUILDING WILL BE REMOVED BY THE FACILITY, UNLESS NOTED OTHERWISE.

E. EXTERIOR SIGNAGE IS FURNISHED BY DIRECTOR'S REPRESENTATIVE, TO BE INSTALLED BY C-CONTRACTOR.

2

F. REFER TO CEILING KEY PLAN ON SHEET G-104 FOR CEILNG LAYOUT INFORMATION THAT APPLIES TO ALL TRADES FOR COORDINATION. DESIGN INTENT IS THAT MECHANICAL DUCTWORK SHALL BE PROVIDED WITH MINIMAL CLEARANCES TO ADJACENT BUILDING ELEMENTS. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY CONFLICTS BETWEEN TRADES.

G. ALL CONTRACTORS ARE TO PROVIDE COORDINATION DRAWINGS. REFER TO THE PROJECT MANUAL(S) FOR MORE INFORMATION.

H. REFER TO THE PROJECT MANUAL(S) FOR A LIST OF REQUIRE MOCKUPS AND PROJECT BENCHMARK INSTALLATIONS REQUIRED TO BE INSTALLED BY EACH CONTRACTOR. SUCH MOCKUPS AND/OR BENCHMARKS SHALL BE COMPLETED AND APPROVED BEFORE PROCEEDING.

I. STRUCTURAL SPECIAL INSPECTIONS ARE REQUIRED FOR THIS WORK. REFER TO THE STRUCTURAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION.

2

J. Cx COMMISSIONING & TESTING AND BECx BUILDING ENCLOSURE COMMISSIONING & TESTING IS REQUIRED FOR THIS PROJECT. REFER TO THE PROJECT MANUAL(S) FOR A LIST OF MINIMUM TESTING REQUIREMENTS. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE AND THE 3RD PARTY TESTING ENTITIES FOR THE WORK. EACH CONTRACTOR SHALL PROVIDE SAFE ACCESS TO EACH COMPONENT FOR INSPECTIONS AND TESTING.

GENERAL ARCHITECTURAL NOTES:

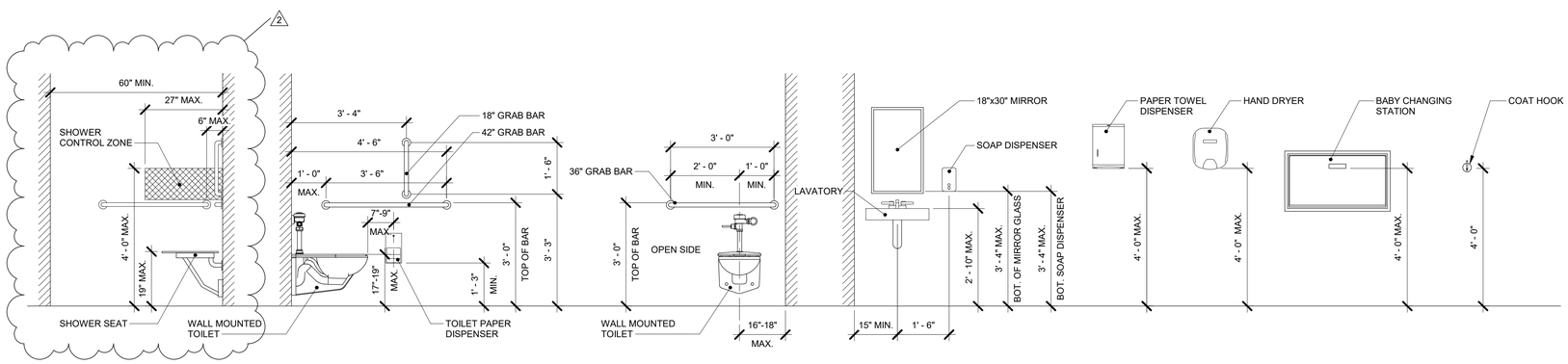
A. PROTECT ALL BUILDING ELEMENTS ADJACENT TO THE WORK AREAS. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE AT NO EXPENSE TO THE DIRECTOR'S REPRESENTATIVE.

B. EXISTING INTERIOR PARTITIONS, FIXED EQUIPMENT AND FURNISHINGS, IF DEPICTED ARE SHOWN FOR REFERENCE ONLY AND MAY VARY FROM THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.

C. GENERAL REMOVAL NOTES:
1. THE CONTRACTOR SHALL NOT CONSIDER REMOVAL NOTES TO BE ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA.
2. WHERE ANY EXISTING CONSTRUCTION IS REMOVED OR ALTERED, REPAIR ALL ADJACENT SURFACES DISTURBED BY DEMOLITION OR ALTERNATION WORK AND PREPARE FOR CONSTRUCTION AND SCHEDULED FINISHES.
3. UNLESS OTHERWISE NOTED, ALL PAINTING SHALL BE FROM A BREAK LINE IN PLANE TO A BREAK IN PLANE REGARDLESS OF AREA ACTUALLY REPAIRED OR DISTURBED.
4. COORDINATE REMOVALS WITH SEPARATE HVAC, PLUMBING AND ELECTRICAL CONTRACTS.

2

D. ALL ROUGH OPENINGS INDICATED SHALL BE SIZED ACCORDING TO RECOMMENDATIONS BY FRAME, STOREFRONT, AND/OR WINDOW MANUFACTURERS.



1 MOUNTING HEIGHTS
SCALE : NTS

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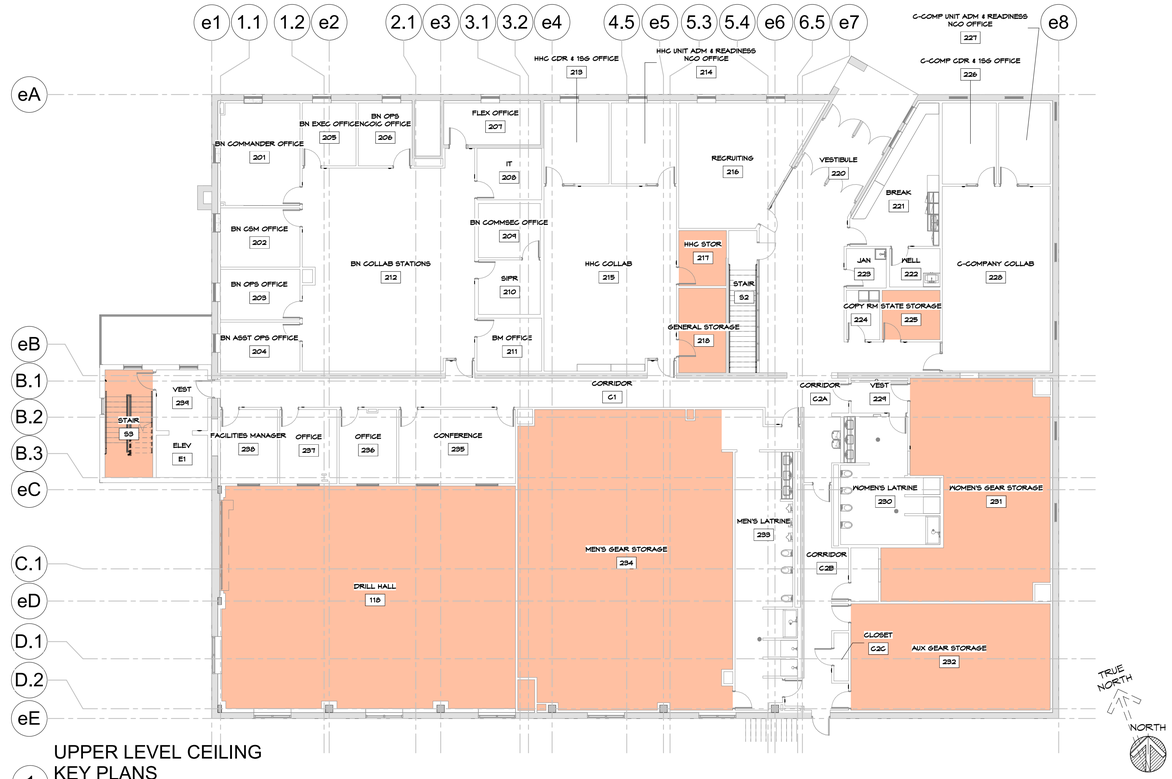
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
GENERAL NOTES

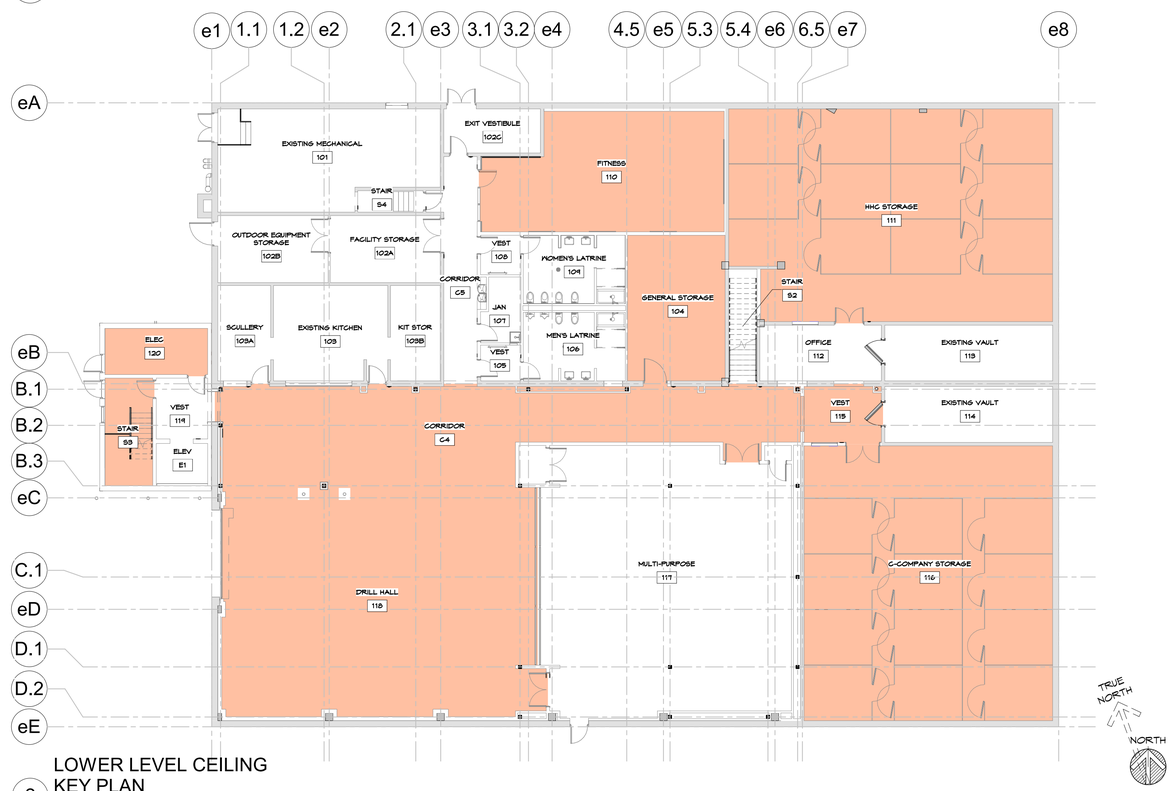
DRAWING NUMBER:
G-103

SHEET 4 OF 198



1 UPPER LEVEL CEILING KEY PLANS

SCALE : NTS



2 LOWER LEVEL CEILING KEY PLAN

SCALE : NTS

CEILINGS LEGEND

OPEN AREAS- PAINTING IS REQUIRED FOR ALL EXPOSED DUCTS, PIPING, ACCESSORIES AND STRUCTURE. REFER TO PROJECT MANUAL. 2

GENERAL NOTES

1. KEY PLAN IS PROVIDED TO ALL TRADES FOR COORDINATION OF CEILING LAYOUTS AND LOCATIONS. EACH CONTRACTOR IS TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL CEILING HEIGHTS, LAYOUTS AND FINISHES NOTED IN THE C-CONTRACT.

2. H-E-P CONTRACTORS TO COORDINATE LAYOUTS TO ALLOW FOR INSTALLATION OF THEIR WORK WITHIN PROVIDED AND EXISTING CEILINGS. PROVIDE COORDINATION LAYOUT DRAWINGS OF ALL WORK; REFER TO REQUIREMENTS IN THE PROJECT MANUAL. EACH CONTRACTOR WILL BE RESPONSIBLE TO VERIFY ALL EXISTING STRUCTURAL FRAMING AND BUILDING CONDITIONS, AND ANY EXISTING EQUIPMENT NOTED TO REMAIN PRIOR TO DEVELOPING LAYOUTS. THE INTENT IS TO CONCEAL ALL SYSTEMS ABOVE FINISHED CEILINGS WHERE NOTED, AND EXPOSE SYSTEMS WHERE NOTED, IN AN ORGANIZED, NEAT AND TIDY APPEARANCE AND APPROPRAITE FOR FUTURE SERVICE AND MAINTAINANCE.

3. THE C-CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING, PAINTING AND FINISHING ALL SCHEDULED EXPOSED CEILING AND EQUIPMENT. TYPICAL, DO NOT PAINT: PIPE MARKINGS, LABELS, EQUIPMENT STICKERS, VALVES, ETC AND WHERE NOTED ELSEWHERE IN THE CONSTRUTION DOCUMENTS. PAINT COLORS ARE NOTED IN THE C-CONTRACT FINISH SCHEDULES.

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REGISTRATION EXPIRES: 08/31/2028

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CONSTRUCTION

TITLE:

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DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

CEILING COORDINATION PLANS AND NOTES

DRAWING NUMBER:

G-104

SHEET 5 OF 198

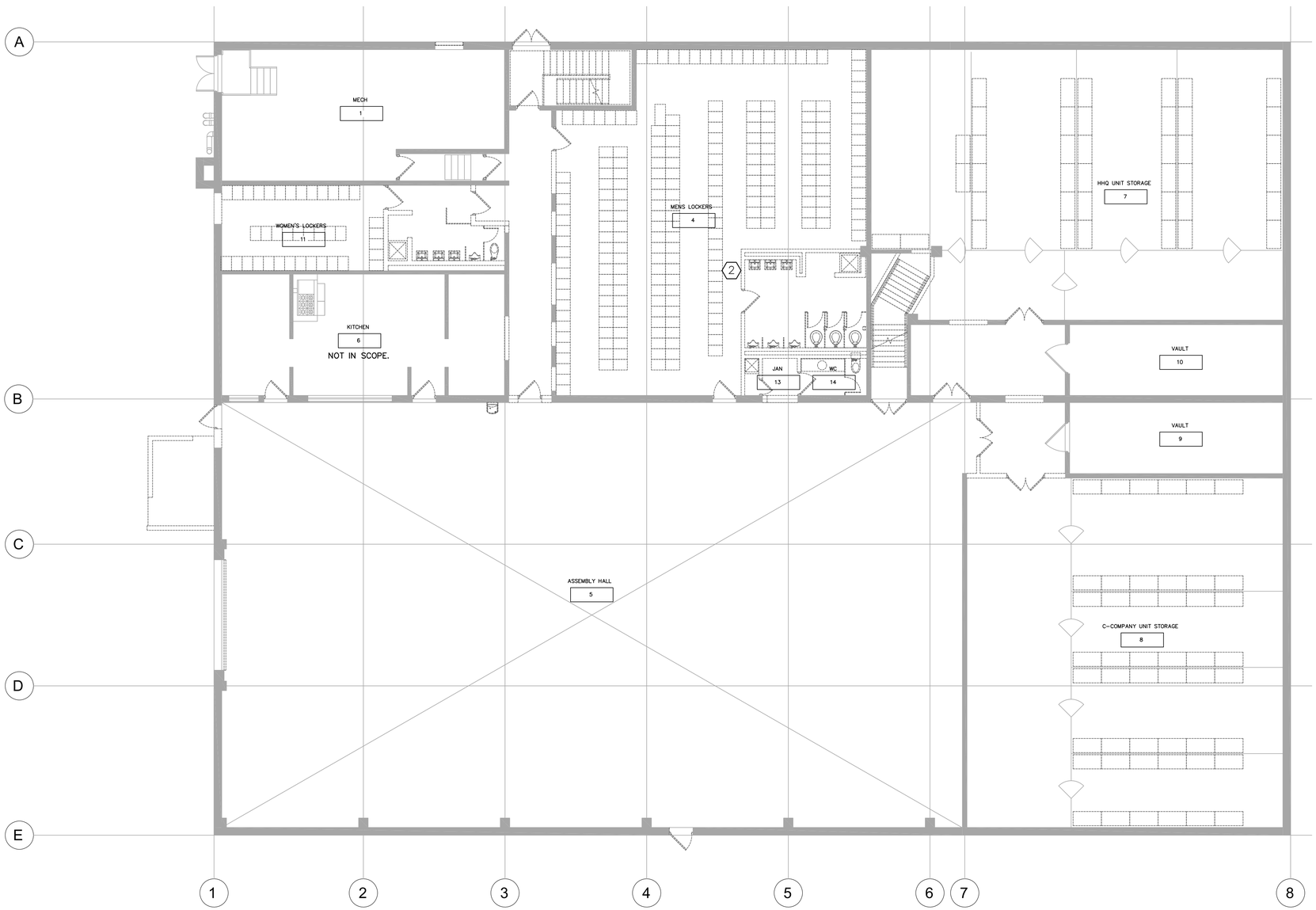
ASBESTOS MATERIALS ABATEMENT SCHEDULE		
REMOVAL NOTES	MATERIAL DESCRIPTION	ESTIMATED QUANTITY
1	ACM WINDOW GLAZING COMPOUND AND PACM SEALANTS	36 SQUARE FT ACM & 36 SQARE FEET PACM
2	PACM MIRROR GLUE DABS	6 SQUARE FT

DRAWING KEY NOTES:

1. REMOVE AND DISPOSE OF WINDOW UNIT WITH ASBESTOS CONTAINING BLACK WINDOW GLAZING. REMOVE ALL CONCEALED SEALANTS THAT MAY EXIST INSIDE WINDOW FRAME AS PACM. REFER TO EXTERIOR ELEVATIONS ON DRAWINGS AD-201 AND AD-202 FOR ADDITIONAL INFORMATION.
2. REMOVE AND DISPOSE OF MIRROR AND ASSUMED ASBESTOS CONTAINING GLUE DABS.

GENERAL NOTES:

1. THE PROJECT INVOLVES THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS (ACM) FROM THE NEW YORK STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY.
2. THE FOLLOWING MATERIALS THAT ARE SCHEDULED FOR REMOVAL TESTED POSITIVE FOR ACM:
   BLACK WINDOW GLAZING COMPOUND
3. THE FOLLOWING MATERIALS THAT ARE SCHEDULED FOR REMOVAL ARE ASSUMED POSITIVE FOR ACM:
   MIRROR GLUE DABS
4. SEE SPECIFICATION SECTION 003126 AND APPENDIX FOR SAMPLE LOCATIONS AND TEST RESULTS.
5. SEE SPECIFICATION SECTION 028213 FOR ASBESTOS ABATEMENT.
6. LEAD IS PRESENT ON BUILDING COMPONENTS INCLUDING, BUT NOT LIMITED TO, WHITE CERAMIC WALL TILES IN THE KITCHEN. LEAD BASED PAINT IS PRESUMED TO BE PRESENT ON ALL OTHER PAINTED MATERIALS THAT HAVE NOT BEEN TESTED.
7. THE HAZARDOUS MATERIALS SURVEY REPORT LISTS APPROXIMATE QUANTITIES FOR IDENTIFIED ASBESTOS CONTAINING MATERIALS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ABATEMENT QUANTITIES OF ACM INCLUDING, SIZES, LENGTHS, SQUARE FOOTAGES AND CONFIGURATIONS.
8. SHUT DOWN AND ISOLATE EXISTING MECHANICAL EQUIPMENT SYSTEMS TO PREVENT CONTAMINATION AND DISPERSAL TO OTHER AREAS IN THE BUILDING. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE.
9. ANY CRITICAL ELECTRICAL RUNS THROUGH THE WORK AREA SHALL REMAIN ACTIVE DURING THE ENTIRE ABATEMENT PROCESS.
10. ALL SCHEDULED ABATEMENT WORK SHALL BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE. FOLLOW ALL RULES AND REGULATIONS OF NYS ICR 56, EPA, OSHA AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS DURING THE ENTIRE PROJECT.
11. CONTRACTOR SHALL ATTEND A PRE-WORK CONFERENCE AND PROVIDE A DETAILED ABATEMENT WORK PLAN FOR REVIEW.
12. CONTRACTOR IS RESPONSIBLE FOR ON-SITE SAFETY AND SECURITY OF HIS/HER EMPLOYEES DURING ALL HAZARDOUS REMOVAL ACTIVITIES. CONTRACTOR ALSO ASSUMES RESPONSIBILITY FOR PROCEEDING WITH THE WORK IN A MANNER THAT OFFERS THEIR EMPLOYEES A WORKPLACE FREE FROM HAZARDS CAUSING SERIOUS HEALTH, HARM OR INJURY.
13. PROVIDE TO THE DIRECTOR'S REPRESENTATIVE ALL WASTE TRANSPORTER PERMITS, WASTE DISPOSAL RECEIPTS AND THE CONTRACTORS POST ABATEMENT REPORT. SEE THE CLOSEOUT SUBMITTAL SECTION IN EACH OF THE ABATEMENT SPECIFICATION SECTIONS FOR DETAILS.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT LANDFILL DOES ACCEPT ALL OF THE TYPES OF HAZARDOUS MATERIALS WITHIN PROJECTS SCOPE OF WORK.
15. ANY REMOVAL WORK OR ANY OTHER WORK IN THESE AREAS SHALL COMMENCE ONLY AFTER THE HAZARDOUS MATERIAL REMOVAL WORK IS COMPLETED AND ONLY AFTER THE NECESSARY CLEARANCES ARE OBTAINED.
16. UPON COMPLETION OF HAZARDOUS MATERIAL REMOVALS WORK, ANY EXISTING AREAS AND/OR FINISHES THAT HAVE BEEN DAMAGED THAT ARE NOT PART OF THE REMOVAL SCOPES OF WORK (INCLUDES AREAS AND/OR FINISHES AS A RESULT OF ANY TEMPORARY PARTITIONS AND WASTE DECON UNIT ENCLOSURES CONSTRUCTION) SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT CONTRACTORS EXPENSE. ORIGINAL CONDITION SHALL MEAN, AT A MINIMUM, THE CONDITION THAT EXISTED PRIOR TO THE START OF WORK BY THE CONTRACTOR OR NEW CONDITION WHERE REQUIRED. FINISH RESTORATION SHALL BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE.



1 LOWER LEVEL HAZARDOUS MATERIALS REMOVALS PLAN
SCALE : 1/8" = 1'-0"

TRUE NORTH
NORTH

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

Ambient Environmental, Inc.
Building Science and EHS Solutions
NYS Certified WBE,
SBA EDWOSB & DBE

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REGISTERED ARCHITECT BETH ELLEN LACEY 025176 STATE OF NEW YORK

REGISTRATION EXPIRES:
09/30/2027

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-C
DESIGNED BY: KJ
DRAWN BY: KJ
FIELD CHECK:
APPROVED:

SHEET TITLE:
LOWER LEVEL HAZARDOUS MATERIALS REMOVALS PLAN

DRAWING NUMBER:
H-101

SHEET 6 OF 198

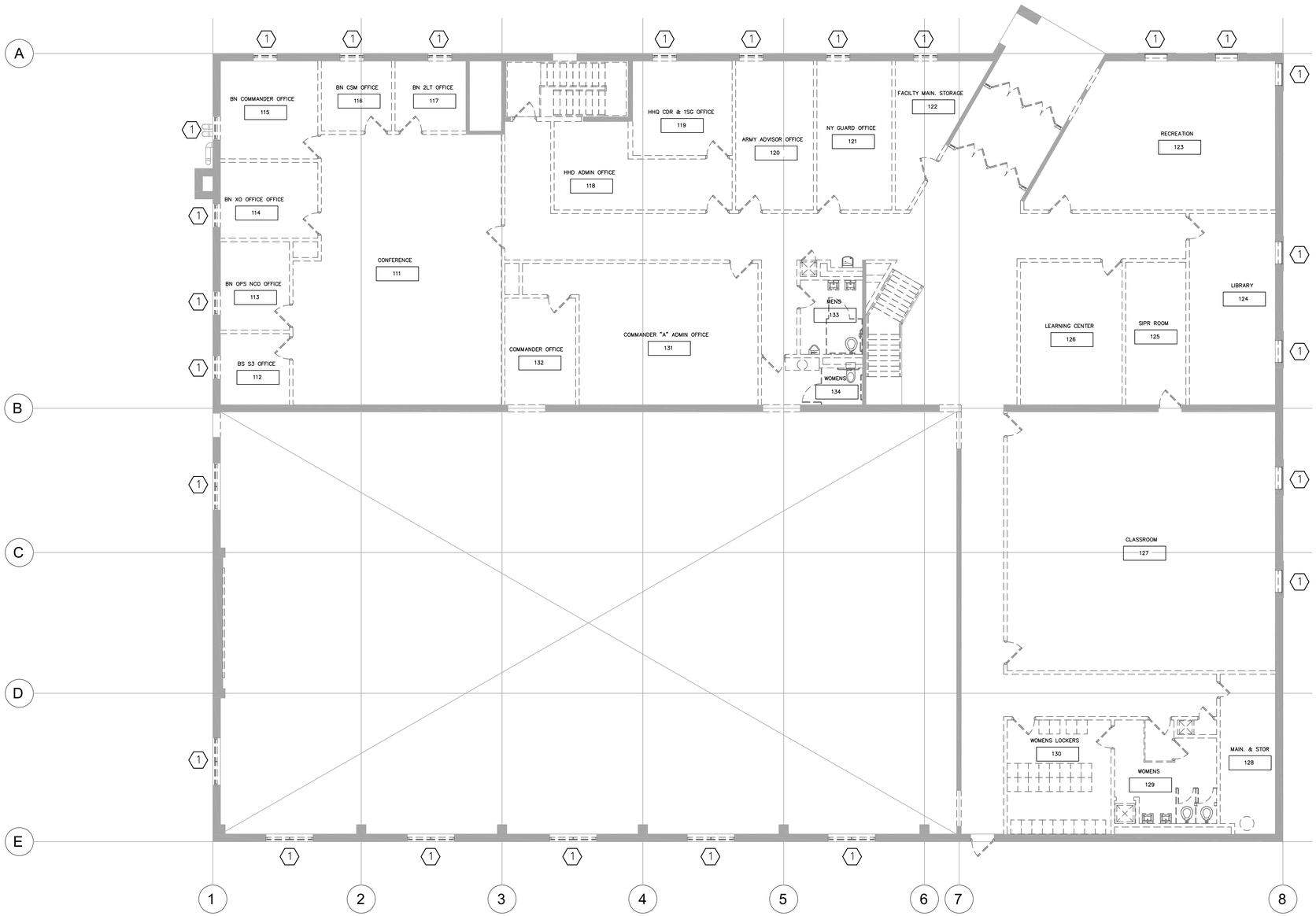
ASBESTOS MATERIALS ABATEMENT SCHEDULE		
REMOVAL NOTES	MATERIAL DESCRIPTION	ESTIMATED QUANTITY
1	ACM WINDOW GLAZING COMPOUND AND PACM SEALANTS	36 SQUARE FT ACM & 36 SQARE FEET PACM
2	PACM MIRROR GLUE DABS	6 SQUARE FT

DRAWING KEY NOTES:

1. REMOVE AND DISPOSE OF WINDOW UNIT WITH ASBESTOS CONTAINING BLACK WINDOW GLAZING. REMOVE ALL CONCEALED SEALANTS THAT MAY EXIST INSIDE WINDOW FRAME AS PACM. REFER TO EXTERIOR ELEVATIONS ON DRAWINGS AD-201 AND AD-202 FOR ADDITIONAL INFORMATION.
2. REMOVE AND DISPOSE OF MIRROR AND ASSUMED ASBESTOS CONTAINING GLUE DABS.

GENERAL NOTES:

1. THE PROJECT INVOLVES THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS (ACM) FROM THE NEW YORK STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY.
2. THE FOLLOWING MATERIALS THAT ARE SCHEDULED FOR REMOVAL TESTED POSITIVE FOR ACM:
   BLACK WINDOW GLAZING COMPOUND
3. THE FOLLOWING MATERIALS THAT ARE SCHEDULED FOR REMOVAL ARE ASSUMED POSITIVE FOR ACM:
   MIRROR GLUE DABS
4. SEE SPECIFICATION SECTION 003126 AND APPENDIX FOR SAMPLE LOCATIONS AND TEST RESULTS.
5. SEE SPECIFICATION SECTION 028213 FOR ASBESTOS ABATEMENT.
6. LEAD IS PRESENT ON BUILDING COMPONENTS INCLUDING, BUT NOT LIMITED TO, WHITE CERAMIC WALL TILES IN THE KITCHEN. LEAD BASED PAINT IS PRESUMED TO BE PRESENT ON ALL OTHER PAINTED MATERIALS THAT HAVE NOT BEEN TESTED.
7. THE HAZARDOUS MATERIALS SURVEY REPORT LISTS APPROXIMATE QUANTITIES FOR IDENTIFIED ASBESTOS CONTAINING MATERIALS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ABATEMENT QUANTITIES OF ACM INCLUDING, SIZES, LENGTHS, SQUARE FOOTAGES AND CONFIGURATIONS.
8. SHUT DOWN AND ISOLATE EXISTING MECHANICAL EQUIPMENT SYSTEMS TO PREVENT CONTAMINATION AND DISPERSAL TO OTHER AREAS IN THE BUILDING. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE.
9. ANY CRITICAL ELECTRICAL RUNS THROUGH THE WORK AREA SHALL REMAIN ACTIVE DURING THE ENTIRE ABATEMENT PROCESS.
10. ALL SCHEDULED ABATEMENT WORK SHALL BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE. FOLLOW ALL RULES AND REGULATIONS OF NYS ICR 56, EPA, OSHA AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS DURING THE ENTIRE PROJECT.
11. CONTRACTOR SHALL ATTEND A PRE-WORK CONFERENCE AND PROVIDE A DETAILED ABATEMENT WORK PLAN FOR REVIEW.
12. CONTRACTOR IS RESPONSIBLE FOR ON-SITE SAFETY AND SECURITY OF HIS/HER EMPLOYEES DURING ALL HAZARDOUS REMOVAL ACTIVITIES. CONTRACTOR ALSO ASSUMES RESPONSIBILITY FOR PROCEEDING WITH THE WORK IN A MANNER THAT OFFERS THEIR EMPLOYEES A WORKPLACE FREE FROM HAZARDS CAUSING SERIOUS HEALTH, HARM OR INJURY.
13. PROVIDE TO THE DIRECTOR'S REPRESENTATIVE ALL WASTE TRANSPORTER PERMITS, WASTE DISPOSAL RECEIPTS AND THE CONTRACTORS POST ABATEMENT REPORT. SEE THE CLOSEOUT SUBMITTAL SECTION IN EACH OF THE ABATEMENT SPECIFICATION SECTIONS FOR DETAILS.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT LANDFILL DOES ACCEPT ALL OF THE TYPES OF HAZARDOUS MATERIALS WITHIN PROJECTS SCOPE OF WORK.
15. ANY REMOVAL WORK OR ANY OTHER WORK IN THESE AREAS SHALL COMMENCE ONLY AFTER THE HAZARDOUS MATERIAL REMOVAL WORK IS COMPLETED AND ONLY AFTER THE NECESSARY CLEARANCES ARE OBTAINED.
16. UPON COMPLETION OF HAZARDOUS MATERIAL REMOVALS WORK, ANY EXISTING AREAS AND/OR FINISHES THAT HAVE BEEN DAMAGED THAT ARE NOT PART OF THE REMOVAL SCOPES OF WORK (INCLUDES AREAS AND/OR FINISHES AS A RESULT OF ANY TEMPORARY PARTITIONS AND WASTE DECON UNIT ENCLOSURES CONSTRUCTION) SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT CONTRACTORS EXPENSE. ORIGINAL CONDITION SHALL MEAN, AT A MINIMUM, THE CONDITION THAT EXISTED PRIOR TO THE START OF WORK BY THE CONTRACTOR OR NEW CONDITION WHERE REQUIRED. FINISH RESTORATION SHALL BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE.



1 UPPER LEVEL HAZARDOUS MATERIALS REMOVALS PLAN
SCALE : 1/8" = 1'-0"

TRUE NORTH
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NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT BETH ELLEN LACEY 025176 STATE OF NEW YORK

REGISTRATION EXPIRES: 09/30/2027

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	KJ
DRAWN BY:	KJ
FIELD CHECK:	
APPROVED:	

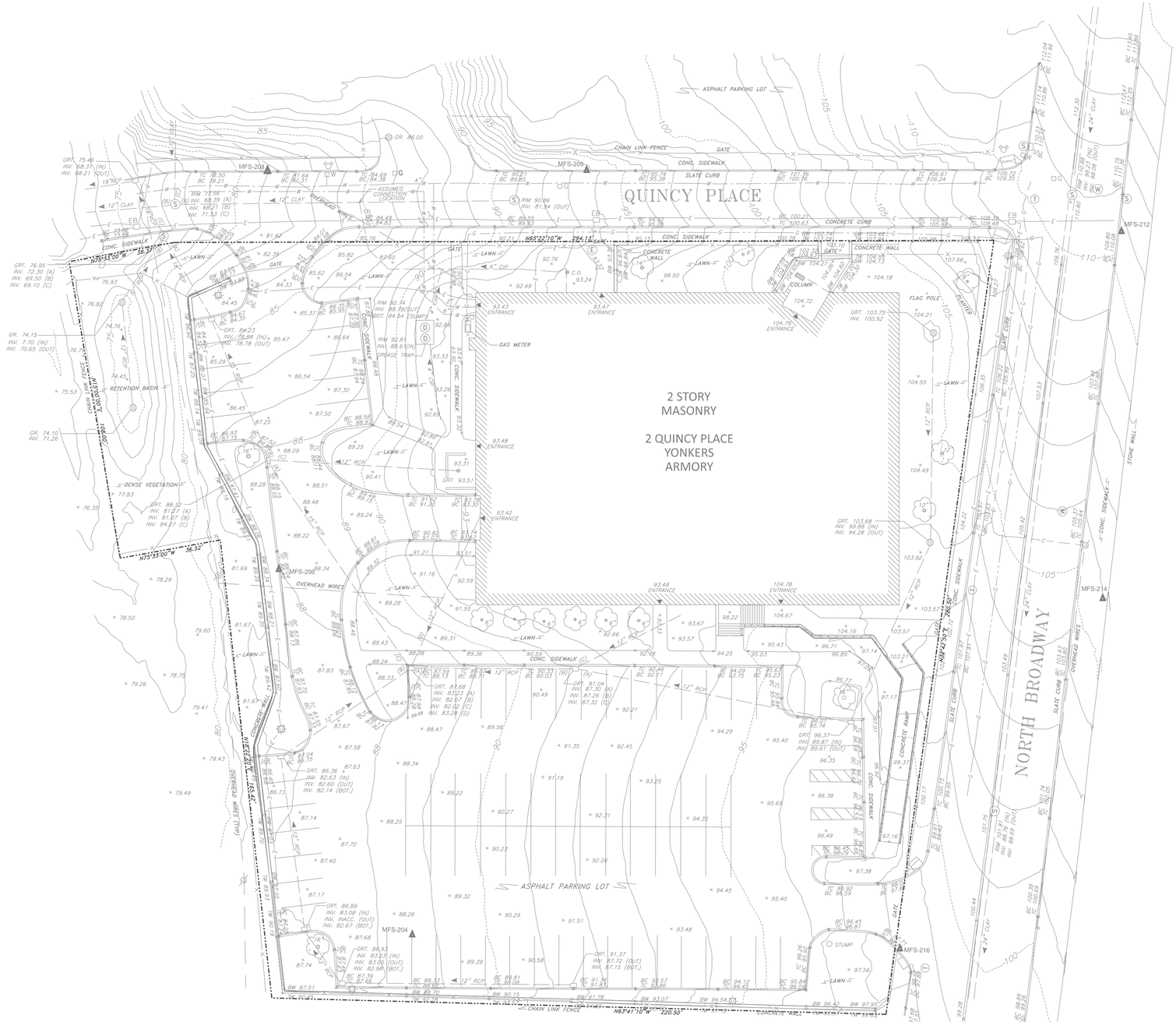
SHEET TITLE:
UPPER LEVEL HAZARDOUS MATERIALS REMOVAL PLAN

DRAWING NUMBER:
H-102

KEY

EXISTING

- PROPERTY LINE
- BURIED ELECTRIC
- WATER MAIN
- 15" RCP/CLAY/CIP — DRAINAGE LINE
- GAS MAIN
- FENCE LINE
- HANDRAIL
- DRAINAGE MANHOLE
- ELECTRIC MANHOLE
- ELECTRIC BOX
- SEWER MANHOLE
- WATER MANHOLE
- TELEPHONE MANHOLE
- SURVEY CONTROL POINT
- GAS VALVE
- WATER VALVE
- FIRE HYDRANT
- ROAD SIGN
- STREET LIGHT
- CATCH BASIN
- ROUND CATCH BASIN
- UTILITY POLE



EXISTING SITE PLAN

1" = 20'

20 0 20 40

SCALE FEET

BASE MAP REFERENCES:

1. "TOPOGRAPHIC SURVEY - NYC PARKS - ST. NICHOLAS OF MYRA" AS PREPARED BY MFS CONSULTING ENGINEERS & SURVEYORS. DPC: PROJECT No. 1125013: SHEET No. 1: DATED APRIL 9. 2025.
2. "EXISTING CONDITIONS & DEMOLITION PLAN - SOUTH PLAN" AS PREPARED BY GPI ARCHITECTS/ENGINEERS: PROJECT No. M 0562-C. DRAWING No. SD2 - 85/104: DATED FEBRUARY 21. 1985
3. "YONKERS ARMORY - LEVEL 1 SPRINKLER PLAN" AS PREPARED BY MARVIC FIRE PROTECTION. INC.: CONTRACT DRAWING No. K-4719. AS-BUILT DRAWING DATE OCTOBER 11. 1987.

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DESIGN & CONSTRUCTION

CONSULTANT

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUNICY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE: EXISTING SITE PLAN

DRAWING NUMBER: C-101

SHEET 8 OF 198

NOTE:

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION FROM CITY OF YONKERS HOUSING AND BUILDINGS, 87 NEPPERHAN AVENUE, 5th FLOOR, YONKERS, NEW YORK 10701; PHONE No. (914) 377-6500.

KEY

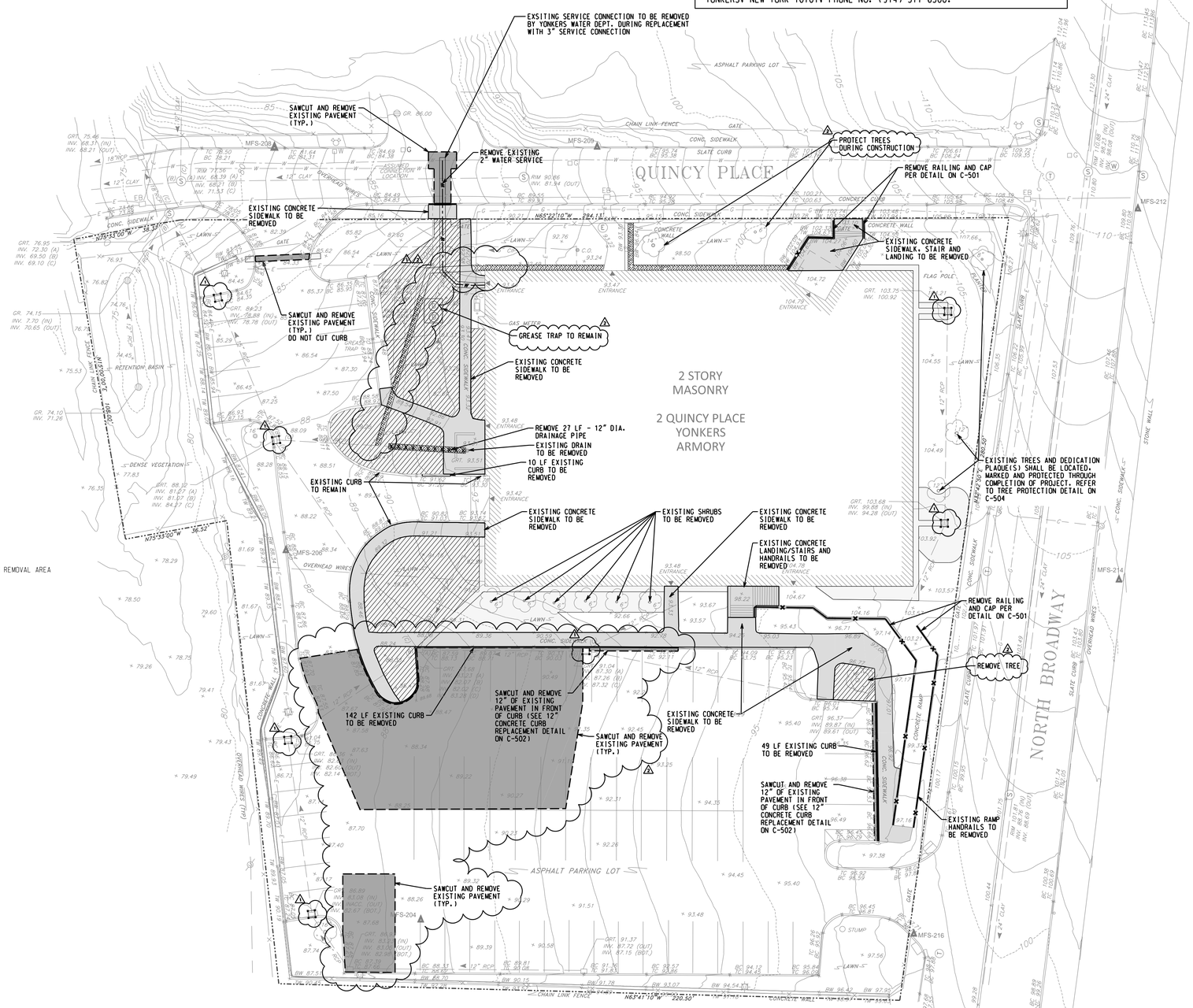
EXISTING

- PROPERTY LINE
- BURIED ELECTRIC
- WATER MAIN
- 15" RCP/CLAY/CIP — DRAINAGE LINE
- GAS MAIN
- FENCE LINE
- HANDRAIL
- DRAINAGE MANHOLE
- ELECTRIC MANHOLE
- ELECTRIC BOX
- SEWER MANHOLE
- WATER MANHOLE
- TELEPHONE MANHOLE
- SURVEY CONTROL POINT
- GAS VALVE
- WATER VALVE
- FIRE HYDRANT
- ROAD SIGN
- STREET LIGHT
- CATCH BASIN
- ROUND CATCH BASIN
- UTILITY POLE

KEY

DEMOLITION

- CONCRETE SIDEWALK/STAIRS REMOVAL AREA
- PAVEMENT REMOVAL AREA
- LAWN REMOVAL AREA
- TRENCH EXCAVATION
- HANDRAIL REMOVAL AREA
- CURB REMOVAL AREA
- INLET PROTECTION



REMOVAL PLAN

1" = 20'

20 0 20 40

SCALE FEET

BASE MAP REFERENCES:

1. "TOPOGRAPHIC SURVEY - NYC PARKS - ST. NICHOLAS OF MYRA" AS PREPARED BY MFS CONSULTING ENGINEERS & SURVEYORS. DPC: PROJECT No. 1125013; SHEET No. 1; DATED APRIL 9, 2025.
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STATE OF NEW YORK · ERIC JAMES JUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUNICY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
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	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE: **REMOVAL PLAN**

DRAWING NUMBER: **C-102**

SHEET 9 OF 198

NOTE:

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION FROM CITY OF YONKERS HOUSING AND BUILDINGS, 87 NEPPERHAN AVENUE, 5th FLOOR, YONKERS, NEW YORK 10701; PHONE No. (914) 377-6500.

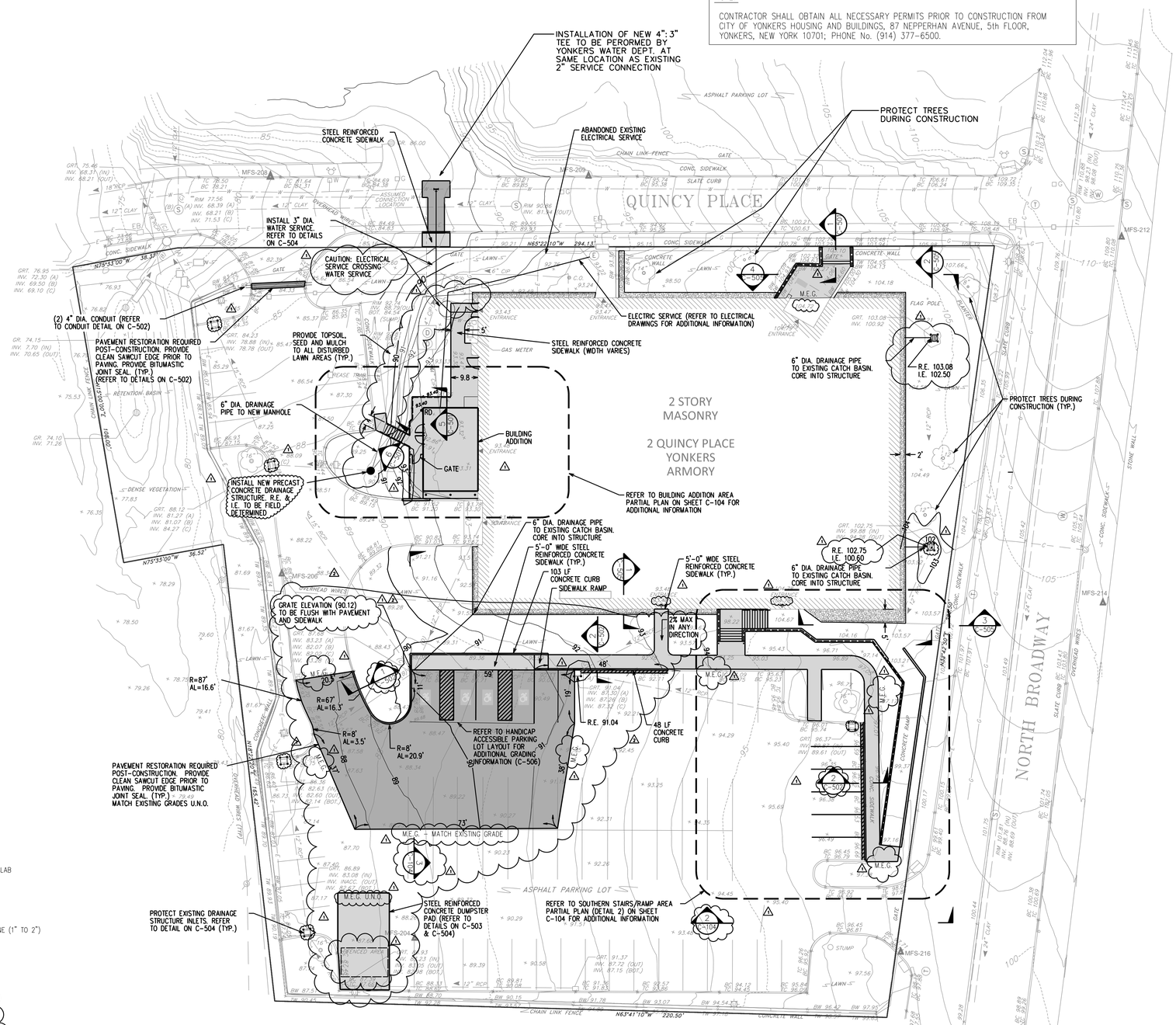
KEY

EXISTING

- PROPERTY LINE
- TOPOGRAPHIC CONTOUR
- BURIED ELECTRIC
- WATER MAIN
- DRAINAGE LINE
- GAS MAIN
- FENCE LINE
- HANDRAIL
- DRAINAGE MANHOLE
- ELECTRIC MANHOLE
- ELECTRIC BOX
- SEWER MANHOLE
- WATER MANHOLE
- TELEPHONE MANHOLE
- SURVEY CONTROL POINT
- GAS VALVE
- WATER VALVE
- FIRE HYDRANT
- ROAD SIGN
- STREET LIGHT
- CATCH BASIN
- ROUND CATCH BASIN
- UTILITY POLE

PROPOSED

- TOPOGRAPHIC CONTOUR
- TOPOGRAPHIC CONTOUR
- GROUND SURFACE ELEVATION
- GROUND SURFACE SLOPE
- FENCE LINE
- HANDRAIL
- BURIED ELECTRIC SERVICE
- WATER SERVICE
- DRAINAGE LINE
- PERFORATED DRAINAGE LINE
- DRAINAGE MANHOLE
- HANDICAP PARKING SYMBOL
- CONCRETE SIDEWALK/STAIRS/SLAB
- PAVEMENT RESTORATION
- WASHED, ROUNDED RIVER STONE (1" TO 2")
- ROOF DRAIN
- INLET PROTECTION
- R.E. — RIM ELEVATION
- I.E. — INVERT ELEVATION
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- M.E.G. — MATCH/MEET EXISTING GRADE
- U.N.O. — UNLESS NOTED OTHERWISE



SITE PLAN

1" = 20'

20 0 20 40

SCALE FEET

PARKING SUMMARY TABLE
EIGHTY (80) PARKING SPACES
FOUR (4) ACCESSIBLE SPACES INCLUDING ONE (1) VAN ACCESSIBLE

BASE MAP REFERENCES:

1. "TOPOGRAPHIC SURVEY – NYC PARKS – ST. NICHOLAS OF MYRA" AS PREPARED BY MFS CONSULTING ENGINEERS & SURVEYORS, DPC; PROJECT No. 1125013; SHEET No. 1; DATED APRIL 9, 2025.
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3. "YONKERS ARMORY – LEVEL 1 SPRINKLER PLAN" AS PREPARED BY MARWIC FIRE PROTECTION, INC.; CONTRACT DRAWING No. K-4719, AS-BUILT DRAWING DATE OCTOBER 11, 1987.

NOTE:

1. ALL DISTURBED LAWN AREAS WITHIN PROJECT LIMITS SHALL HAVE TURF RENOVATED AND SEEDED PER SPECIFICATION 329200, SECTIONS 3.3 AND 3.4.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

M&P ENGINEERING AND LAND SURVEYING

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUNICY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
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	11/24/2025	PERMIT SET

MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

SITE PLAN

DRAWING NUMBER:

C-103

SHEET 10 OF 198

KEY

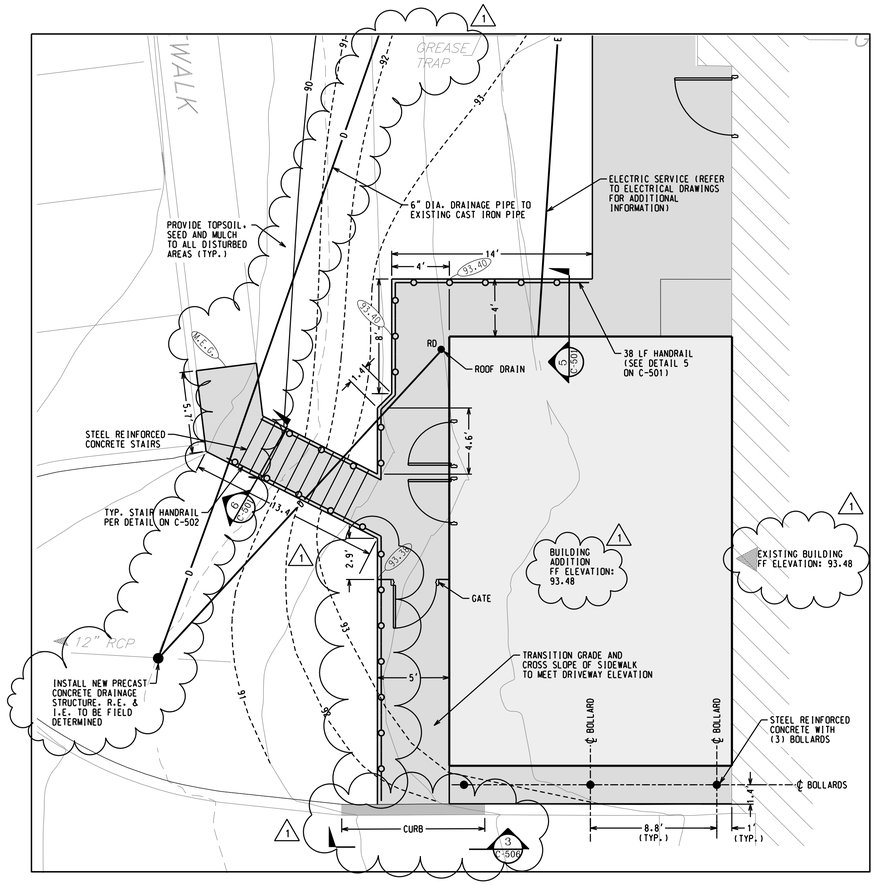
EXISTING

- PROPERTY LINE
- 85 TOPOGRAPHIC CONTOUR
- E BURIED ELECTRIC
- W WATER MAIN
- 15" RCP/CLAY/CIP DRAINAGE LINE
- G GAS MAIN
- FENCE LINE
- HANDRAIL
- D DRAINAGE MANHOLE
- E ELECTRIC MANHOLE
- EB ELECTRIC BOX
- S SEWER MANHOLE
- W WATER MANHOLE
- T TELEPHONE MANHOLE
- SURVEY CONTROL POINT
- G GAS VALVE
- W WATER VALVE
- FIRE HYDRANT
- ROAD SIGN
- STREET LIGHT
- CATCH BASIN
- ROUND CATCH BASIN
- UTILITY POLE

PROPOSED

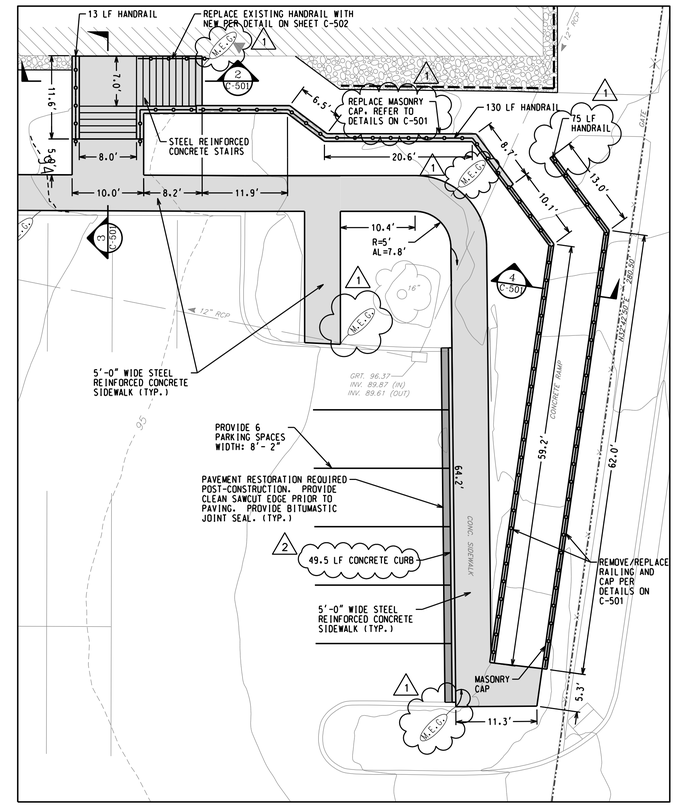
- 395 TOPOGRAPHIC CONTOUR
- 90.58 GROUND SURFACE ELEVATION
- 2.0% GROUND SURFACE SLOPE
- FENCE LINE
- HANDRAIL
- E BURIED ELECTRIC SERVICE
- W WATER SERVICE
- D DRAINAGE LINE
- PERFORATED DRAINAGE LINE
- HANDICAP PARKING SYMBOL
- CONCRETE SIDEWALK/STAIRS/SLAB
- PAVEMENT RESTORATION
- WASHED, ROUNDED RIVER STONE (1" TO 2")

FF	FINISHED FLOOR
R.E.	RIM ELEVATION
I.E.	INVERT ELEVATION
M.E.G.	MATCH EXISTING GRADE



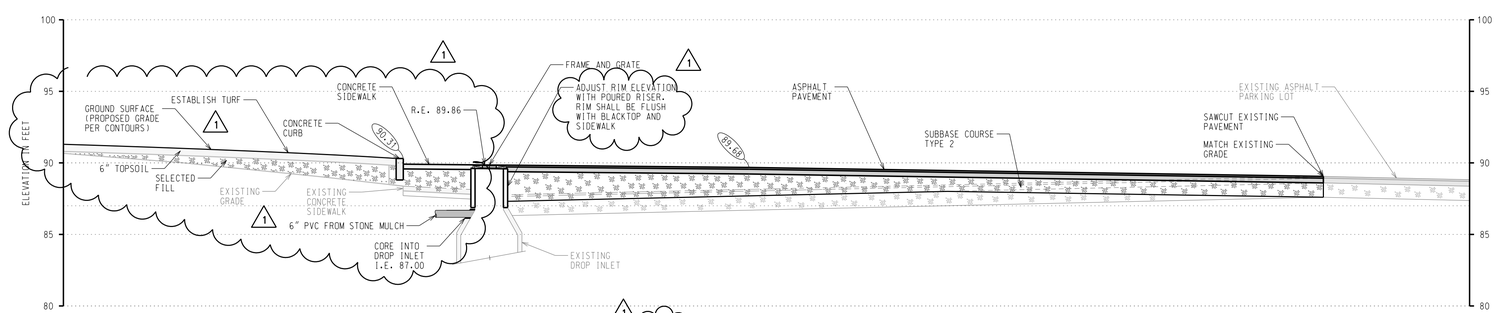
1 C-104 BUILDING ADDITION AREA PARTIAL PLAN

1" = 5' SCALE 5 0 5 10 FEET



1 2 C-104 SOUTHERN STAIRS/RAMP AREA PARTIAL PLAN

1" = 10' SCALE 10 0 10 20 FEET



3 C-104 PARKING LOT SECTION

SCALE: 1" = 5'

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DESIGN & CONSTRUCTION

CONSULTANT

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M&P ENGINEERING AND LAND SURVEYING

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUNICY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

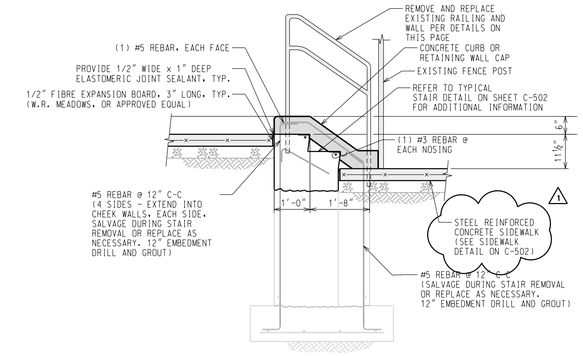
SHEET TITLE:

PARTIAL PLANS

DRAWING NUMBER:

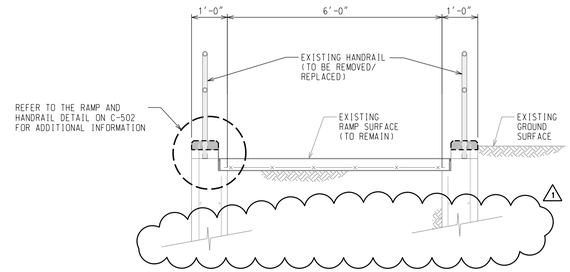
C-104

SHEET 11 OF 198



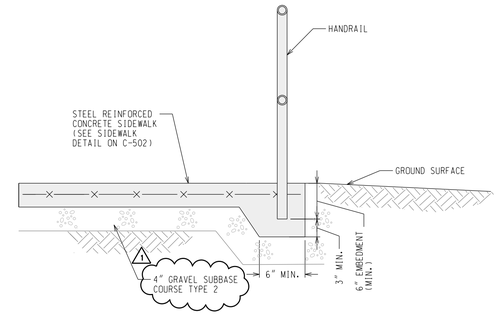
1 C-501 NORTHERN ENTRANCE STAIR SECTION

SCALE: 1/2" = 1'-0"



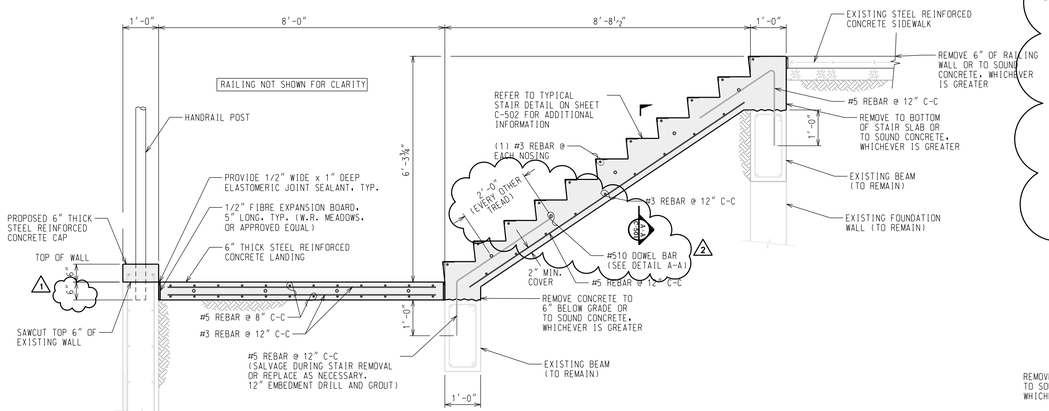
4 C-501 ACCESS RAMP SECTION

SCALE: 1/2" = 1'-0"



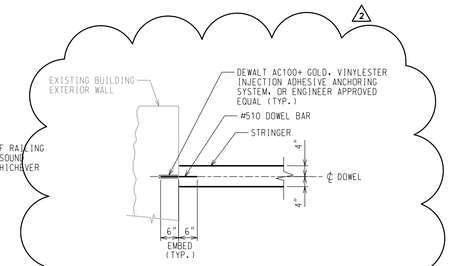
5 C-501 RAILING AT SIDEWALK DETAIL

SCALE: 1/2" = 1'-0"

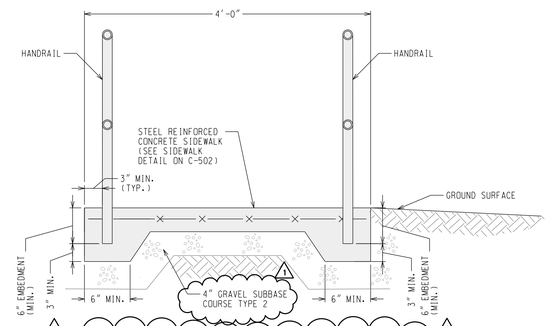


2 C-501 SOUTHERN ENTRANCE STAIR SECTION

SCALE: 1/2" = 1'-0"



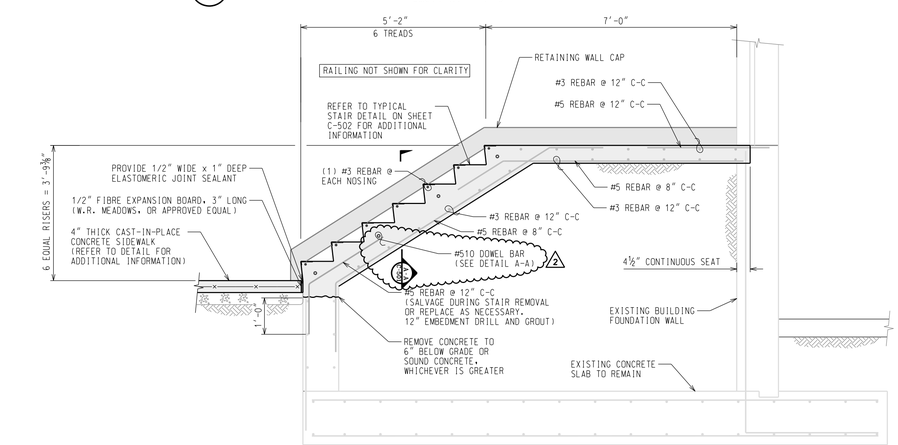
A-A C-501 DETAIL A-A STRINGER TO WALL CONNECTION



6 C-501 RAILING AT STAIRS DETAIL

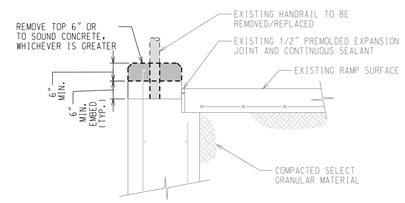
SCALE: 1/2" = 1'-0"

NOTE: REFER TO PARTIAL SITE PLANS FOR HANDRAIL LOCATIONS.



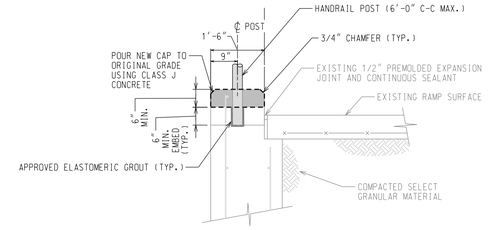
3 C-501 SOUTHERN ENTRANCE STAIR SECTION

SCALE: 1/2" = 1'-0"



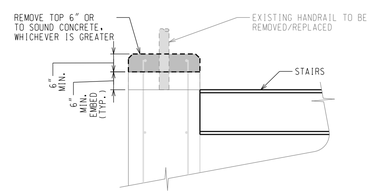
CONCRETE CAP AT RAILING REMOVAL DETAIL

SCALE: 1/2" = 1'-0"



RAILING REPLACEMENT DETAIL

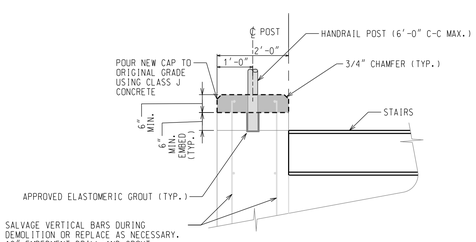
SCALE: 1/2" = 1'-0"



STAIRS SECTION

CONCRETE CAP AT RAILING REMOVAL DETAIL

SCALE: 1/2" = 1'-0"



STAIRS SECTION

RAILING REPLACEMENT DETAIL

SCALE: 1/2" = 1'-0"

TYPICAL SPLICE DETAIL

NOT TO SCALE

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

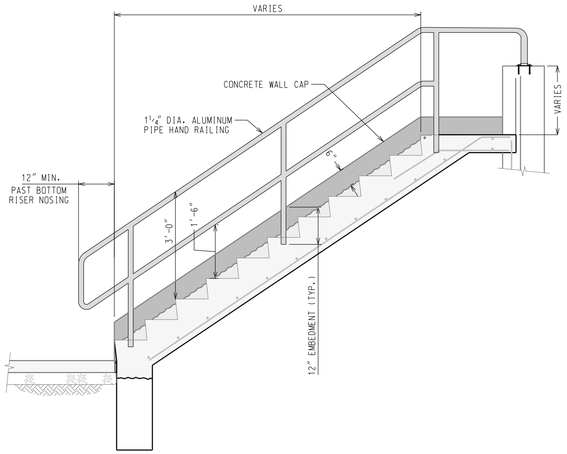
PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

SITE DETAILS

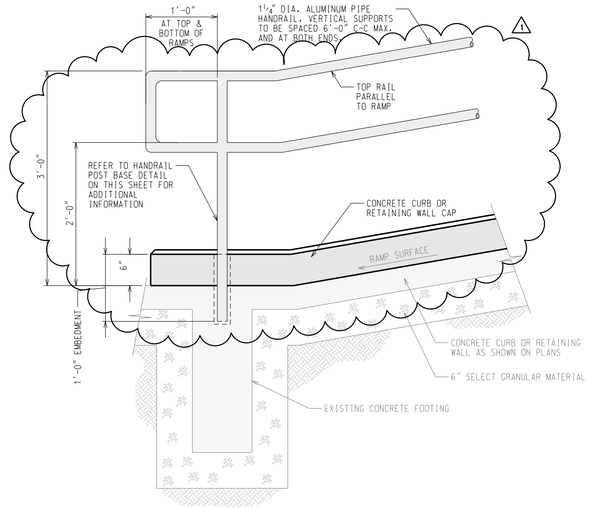
DRAWING NUMBER:

C-501



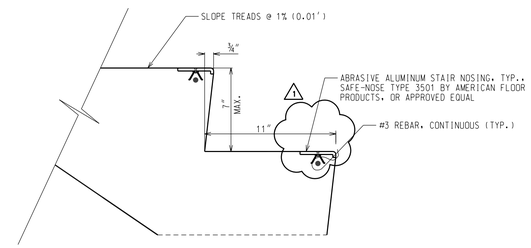
TYPICAL STAIR HANDRAIL DETAIL

SCALE: 1/2" = 1'-0"



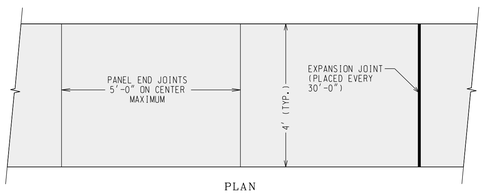
RAMP AND HANDRAIL DETAIL

SCALE: 1" = 1'-0"

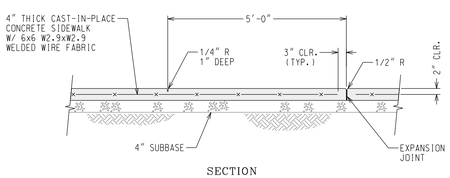


STAIR NOSING DETAIL

NOT TO SCALE



PLAN



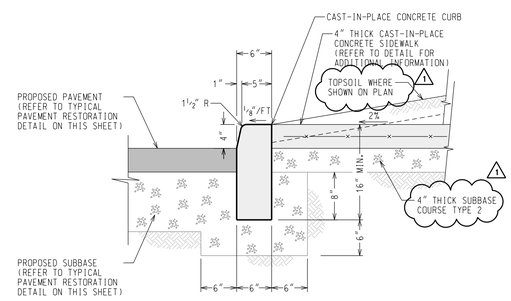
SECTION

NOTES:

1. CONCRETE SHALL BE 4,000 P.S.I. (MIN.) AND HAVE A BROOM FINISH.
2. EXPANSION JOINTS SHALL BE NON-RISING, PREMOLDED MASTIC AND SHALL BE LOCATED ON 30'-0" CENTERS (MAX.).
3. FOR LOCATION OF ON-SITE SIDEWALKS REFER TO C-103.

SIDEWALK DETAIL

SCALE: 1" = 2'

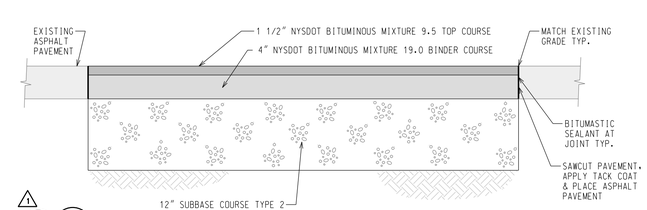


NOTE:

1. CONTROL JOINTS AT A MINIMUM OF EVERY 10 FEET AND EXPANSION JOINTS AT A MINIMUM OF EVERY 30 FEET.

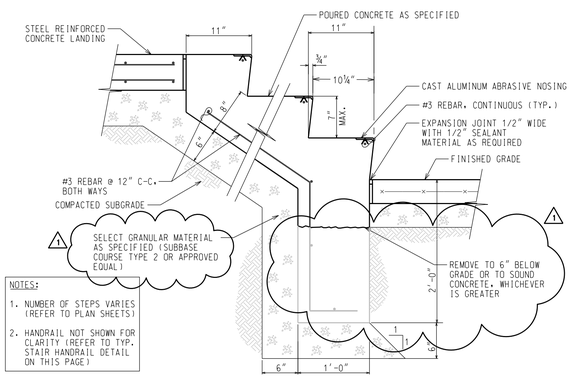
1 / C-502 CONCRETE CURB DETAIL

SCALE: 1" = 1'-0"



TYPICAL PAVEMENT RESTORATION DETAIL

SCALE: 1" = 1'-0"

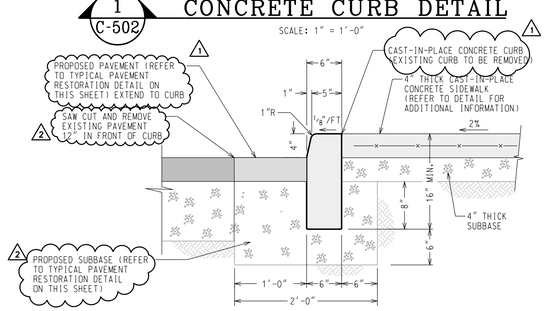


NOTES:

1. NUMBER OF STEPS VARIES (REFER TO PLAN SHEETS)
2. HANDRAIL NOT SHOWN FOR CLARITY (REFER TO TYP. STAIR HANDRAIL DETAIL ON THIS PAGE)

TYPICAL CONCRETE STAIR DETAIL

SCALE: 1/2" = 1'-0"

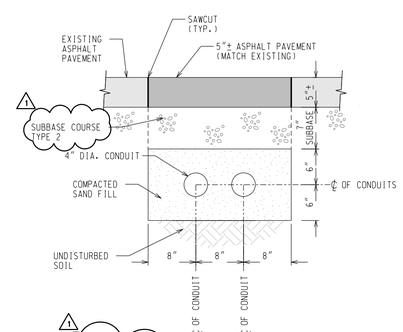


NOTE:

1. CONTROL JOINTS AT A MINIMUM OF EVERY 10 FEET AND EXPANSION JOINTS AT A MINIMUM OF EVERY 30 FEET.
2. 4" CURB REVEAL OR MATCH ADJACENT REVEAL.

2 / C-502 CONCRETE REPLACEMENT CURB DETAIL

SCALE: 1" = 1'-0"



ELECTRIC CONDUIT DETAIL

SCALE: 1/2" = 1'-0"

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:

CONSTRUCTION

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

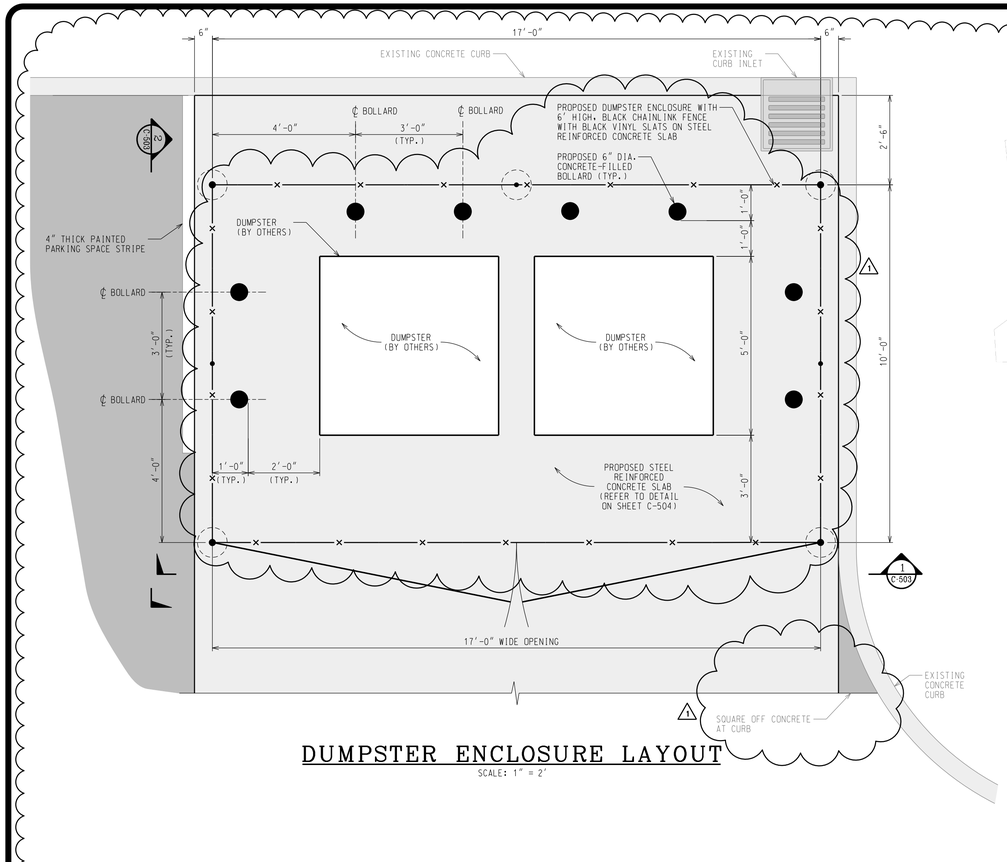
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE: SITE DETAILS

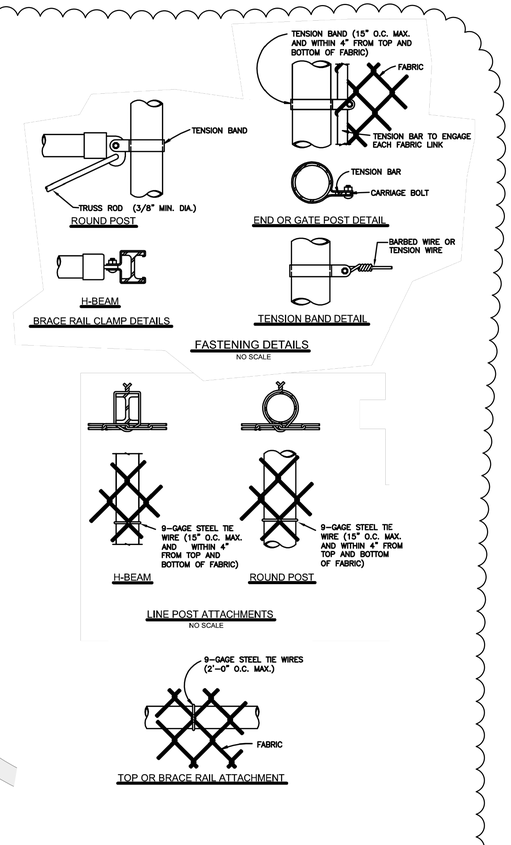
DRAWING NUMBER: C-502

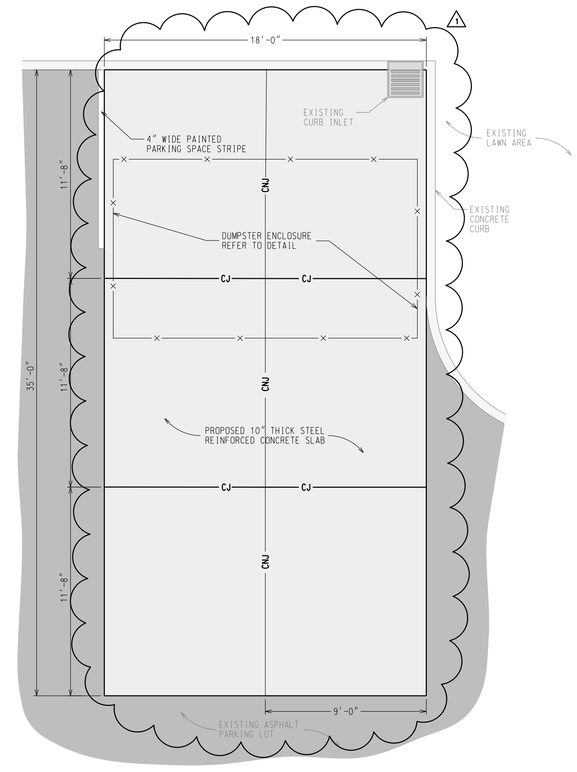
SHEET 13 OF 198



DUMPSTER ENCLOSURE LAYOUT

SCALE: 1" = 2'



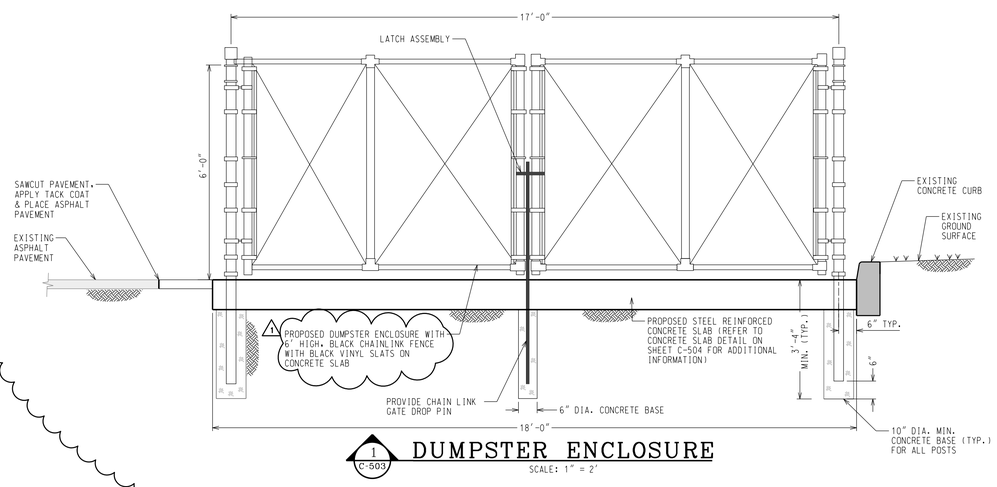


KEY

CJ	SLAB CONSTRUCTION JOINT
CNJ	SLAB CONTROL JOINT
×	CHAINLINK FENCE

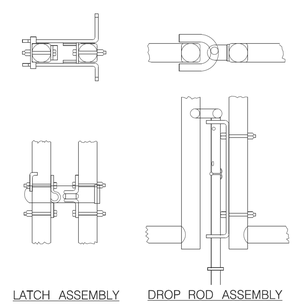
DUMPSTER CONCRETE SLAB LAYOUT PLAN

SCALE: 1/4" = 1'-0"



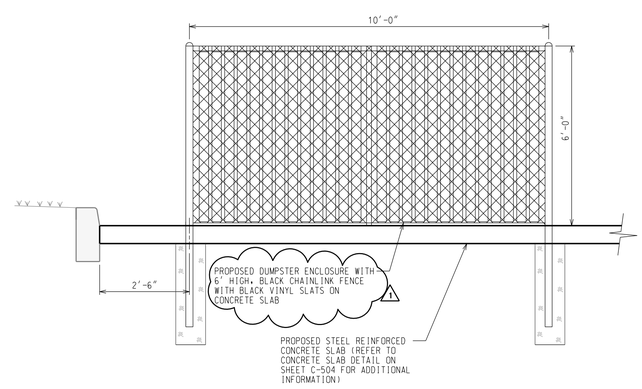
1 C-503 DUMPSTER ENCLOSURE

SCALE: 1" = 2'



LOCK ASSEMBLY

NTS



2 C-503 DUMPSTER ENCLOSURE

NTS

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CONSTRUCTION

TITLE: RENOVATE ARMORY

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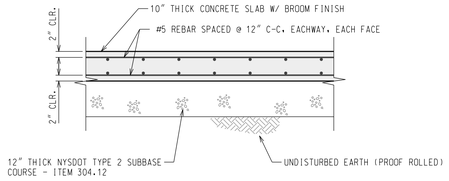
PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE: **SITE DETAILS**

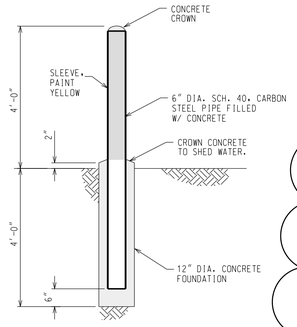
DRAWING NUMBER: **C-503**

SHEET 14 OF 198



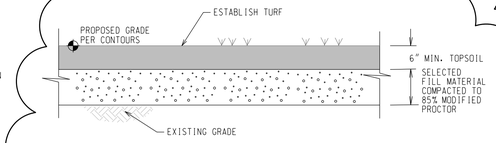
TYPICAL DUMPSTER CONCRETE SLAB DETAIL

SCALE: 1/2" = 1'-0"



BOLLARD DETAIL

SCALE: 1" = 2'



TYPICAL LAWN/TURF AREA SECTION

SCALE: 1" = 1'-0"

LANDSCAPE SPECIFICATIONS

SUGGESTED SEED MIX (OR EQUAL):

DISTURBED AREAS

NAME	lbs/ACRE	lbs/1.000 SQ.FT.
65% KENTUCKY BLUEGRASS	85-114	2.0-2.6
20% PERENNIAL RYEGRASS	26-35	0.6-0.8
15% FINE FESCUE	19-26	0.4-0.6
TOTAL	130-175	3.0-4.0

SWALES

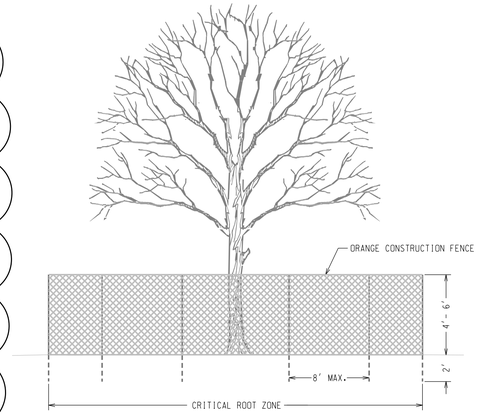
NAME	lbs/ACRE	lbs/1.000 SQ.FT.
KENTUCKY BLUEGRASS	25	0.6
CREEPING RED FESCUE	20	0.5
PERENNIAL RYEGRASS	10	0.2
TOTAL	55	1.3

STEEP SLOPE/BANK

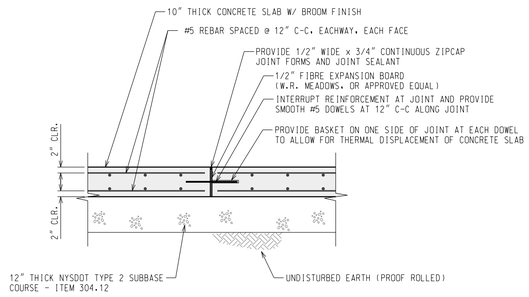
NAME	lbs/ACRE	lbs/1.000 SQ. FT.
TALL FESCUE	100	2.3
RYE GRAIN	40	0.9
TOTAL	140	3.2

NOTES:

1. SUGGESTED FERTILIZER (OR EQUAL):
   NYSDOT 713-03 TYPE NO. 3. 10-6-4 (50% N-UF)
   FERTILIZER SHALL BE APPLIED AT THE RATE OF 800 POUNDS PER ACRE.
2. MULCH (HAY OR STRAW) SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. AND SHALL BE ANCHORED WITH A COMMERCIALLY AVAILABLE MULCH ANCHORAGE PRODUCT. IF NECESSARY.
3. ANCHORING: BIODEGRADABLE LIGHT-WEIGHT PAPER. JUTE. WOOD FIBER. PLASTIC OR APPROVED EQUAL TO SECURE TO SLOPES AND PROTECT SEED & MULCH.



ELEVATION VIEW

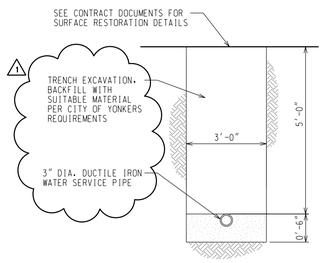


TYPICAL SLAB CONSTRUCTION JOINT DETAIL

SCALE: 1/2" = 1'-0"

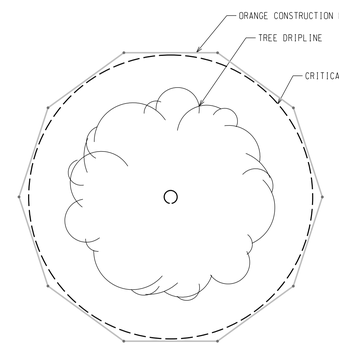
NOTES:

1. CONSTRUCTION JOINTS SHALL BE SPACED AT 15' CENTERS (MAXIMUM).
2. PROVIDE FLOWABLE FILL FOR ALL UNDERMINED AREAS BENEATH CONCRETE.
3. CONTROL JOINTS IN CONCRETE PAD SHALL BE SEALED WITH SONOLASTIC-SONOMERIC 1 JOINT SEALANT. OR EQUAL.
4. PROVIDE FLOWABLE FILL FOR ALL UNDERMINED AREAS BENEATH CONCRETE.



WATER SERVICE TRENCH DETAIL

NOT TO SCALE



PLAN VIEW

NOTE:

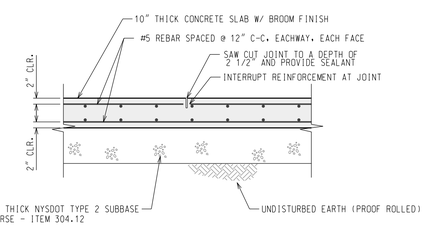
1 FOOT (12 INCHES) x DBH (INCHES) = RADIUS OF CRITICAL ROOT ZONE OR LIMITS OF DRIPLINE. WHICHEVER IS GREATER

EXAMPLE:

TREE DBH = 10 INCHES
1 FOOT (12 INCHES) x 10 (DBH) = 10 FEET
CRITICAL ROOT ZONE IN ALL DIRECTIONS

TREE PROTECTION DETAIL

NOT TO SCALE

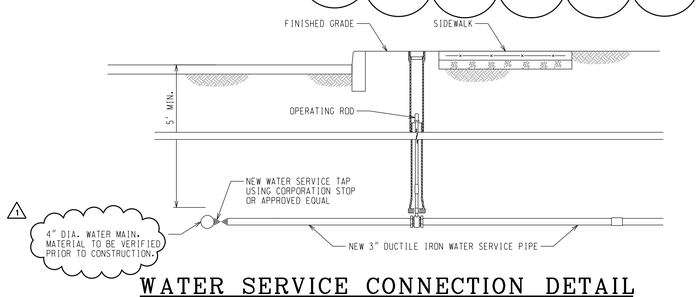


TYPICAL SLAB CONTROL JOINT DETAIL

SCALE: 1/2" = 1'-0"

NOTES:

1. SAW CUT CONTROL JOINTS IN SLAB-ON-GRADE TO A DEPTH OF 2 1/2" WITHIN 6 HOURS AFTER PLACING THE CONCRETE. OR AS SOON AS EQUIPMENT CAN BE SUPPORTED. BEFORE UNCONTROLLED CRACKING OCCURS.
2. CONTROL JOINTS SHALL BE SPACED AT 15' CENTERS (MAXIMUM).
3. SAW CUT JOINTS ARE TO BE CLEANED OF DEBRIS AND RESIDUE AFTER EACH SAWING AND PRIOR TO APPLYING ANY CONCRETE SEALANTS.
4. CONTROL JOINTS IN CONCRETE PAD SHALL BE SEALED WITH SONOLASTIC-SONOMERIC 1 JOINT SEALANT. OR EQUAL.



WATER SERVICE CONNECTION DETAIL

NOT TO SCALE

NOTES:

1. WATER SERVICE TO COMPLY WITH THE CITY OF YONKERS FOR PUBLIC WORKS STANDARDS.
2. WATER SERVICE TAP SHALL BE SCHEDULED WITH AND PERFORMED BY CITY OF YONKERS WATER DEPARTMENT. ALL MATERIALS TO BE SUPPLIED BY CONTRACTOR. EXCAVATION. INSTALLATION OF REMAINDER OF WATER SERVICE. AND BACKFILL TO BE PERFORMED BY CONTRACTOR.
3. UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS. ALL NEW SERVICE LINES SHALL BE 3" DUCTILE IRON.
4. ALL FITTINGS. INCLUDING CORPORATION STOP. CURB STOP. COUPLINGS. ELBOWS. ETC. SHALL BE IRON.
5. CURB STOP AND CURB BOX SHALL BE PLACED WITHIN THE HIGHWAY RIGHT-OF-WAY AND WITHIN THE SNOW STORAGE AREA WHENEVER POSSIBLE. OR AS SHOWN ON THE CONTRACT PLANS AND IN THE OWNER REQUIREMENTS.
6. RELOCATED CURB STOP AND BOX SHALL INCLUDE NEW WATER SERVICE PIPE TO THE HIGHWAY BOUNDARY OR AS SHOWN ON THE CONTRACT PLANS AND IN THE OWNER REQUIREMENTS.
7. THE CURB BOX CAP SHALL BE OF THE PLUG TYPE WHEN PLACED IN A PAVED SURFACE. AND THE TWO HOLE TYPE WHEN PLACED IN A GRASSED OR LANDSCAPED AREA.
8. WHEN PLACED IN GRASS. THE TOP OF THE CURB BOX SHALL BE SET 9/16-INCH BELOW FINISHED GRADE.
9. UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS. METERS WILL BE SUPPLIED BY THE OWNER AT NO COST TO THE CONTRACTOR. PIPING IS SCHEMATIC. PIPING SHALL BE INSTALLED AS REQUIRED FOR THE INDIVIDUAL INSTALLATION.

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M&P ENGINEERING AND LAND SURVEYING

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STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUNICY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

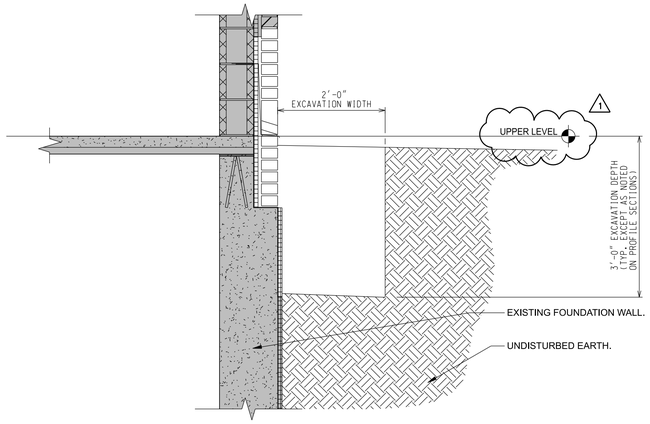
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE DETAILS

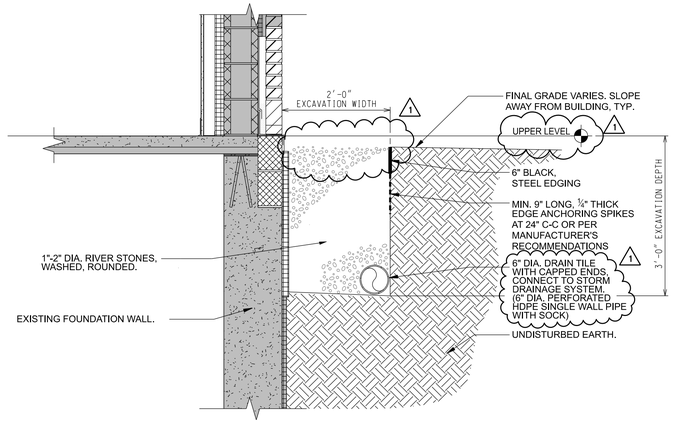
DRAWING NUMBER:
C-504

SHEET 15 OF 198



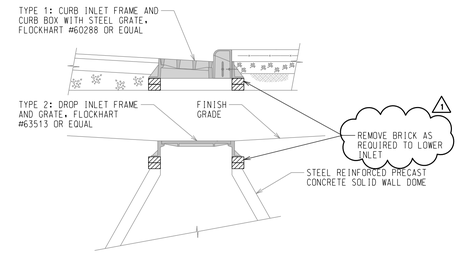
1 C-505 REMOVALS - STONE MULCH

SCALE: 3/4" = 1'-0"



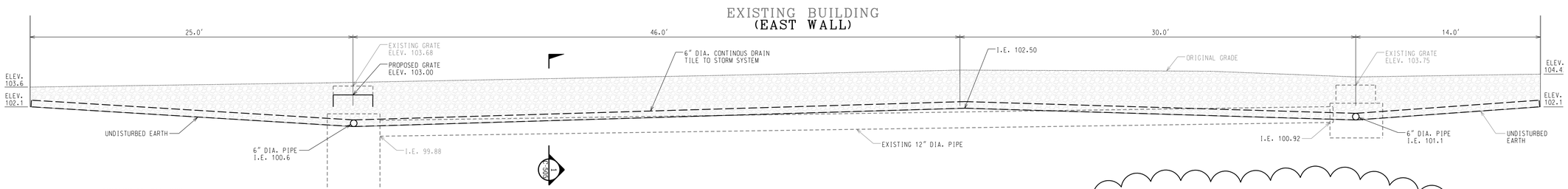
1 C-505 STANDARD STONE MULCH TRENCH

SCALE: 3/4" = 1'-0"



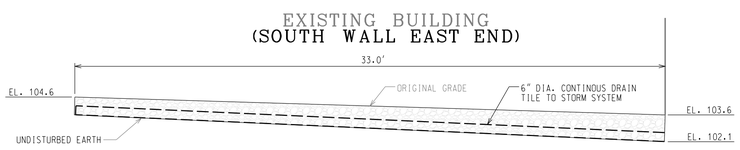
CURB & DROP INLETS FRAME & GRATE LOWERING DETAIL

SCALE: 1/2" = 1'-0"



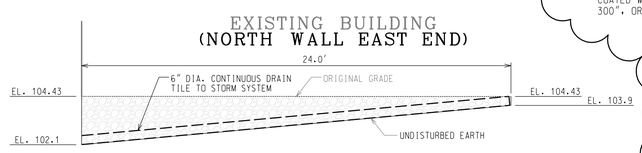
2 C-505 PERIMETER STONE MULCH PROFILE

SCALE: 1/4" = 1'-0"



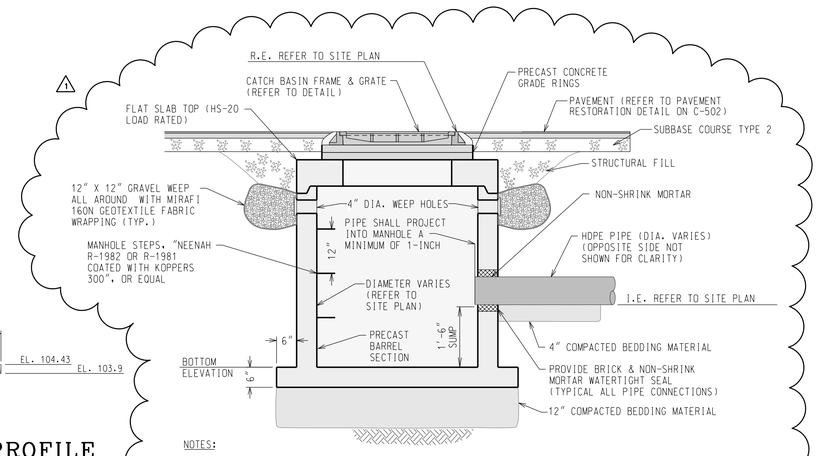
3 C-505 PERIMETER STONE MULCH PROFILE

SCALE: 1/4" = 1'-0"



4 C-505 PERIMETER STONE MULCH PROFILE

SCALE: 1/4" = 1'-0"



NOTES:

1. ALL PRECAST CONCRETE CATCH BASINS SHALL CONFORM WITH ASTM C478 AND SHALL BE PROVIDED FROM A SOURCE ON THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S APPROVED SUPPLIERS LIST.
2. TOP OF FRAME AND GRATE TO MEET FINISHED GRADE.
3. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.

TYPICAL PRECAST CONCRETE CATCH BASIN DETAIL

SCALE: 1/2" = 1'-0"

KEY

R.E. RIM ELEVATION

I.E. INVERT ELEVATION

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CONSTRUCTION

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APPROVED:	

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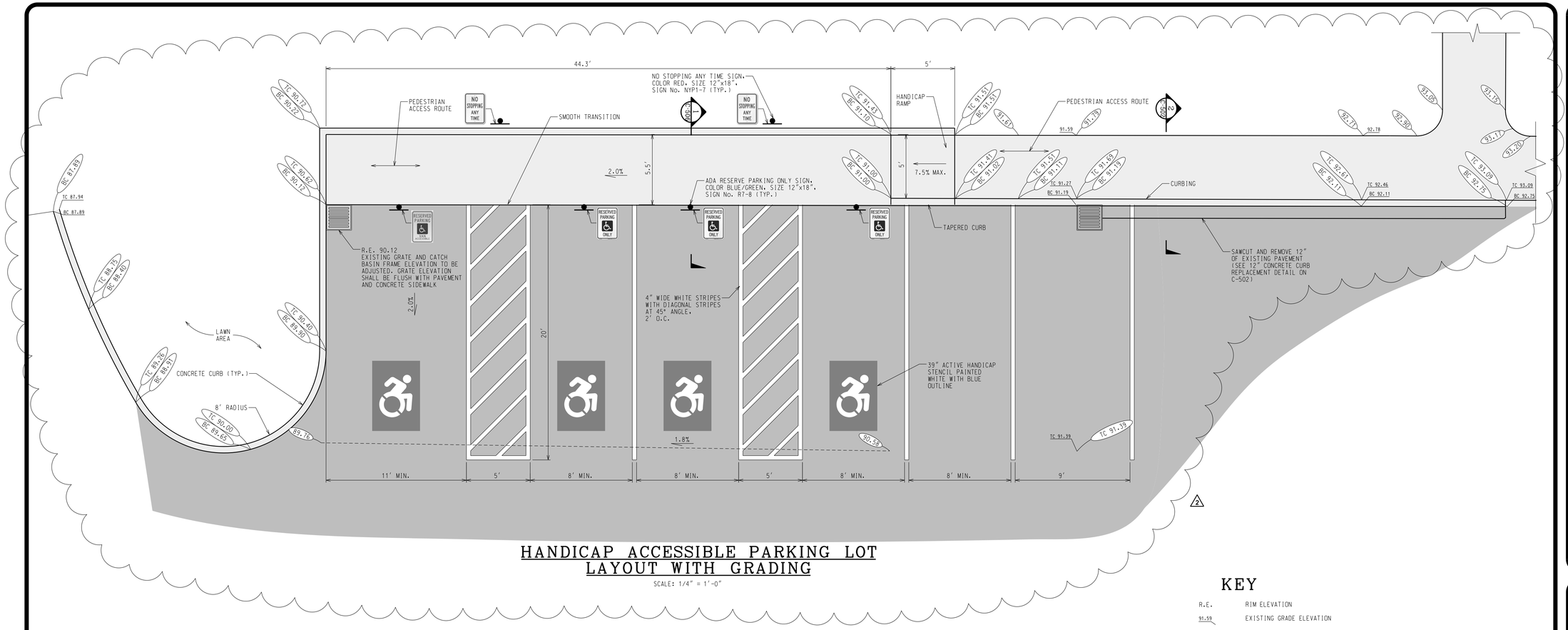
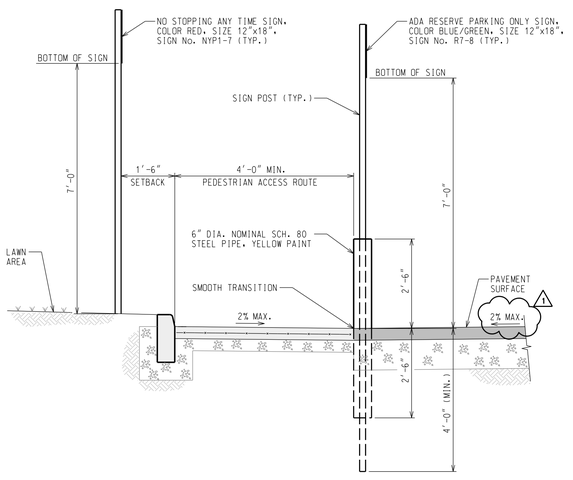


HANDICAP ACCESSIBLE PARKING LOT LAYOUT WITH GRADING

SCALE: 1/4" = 1'-0"

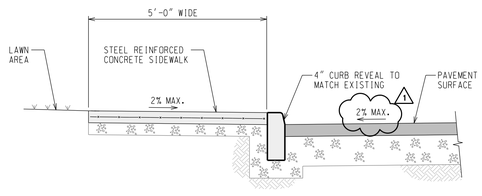
KEY

R.E.	RIM ELEVATION
91.59	EXISTING GRADE ELEVATION
91.79	PROPOSED GRADE ELEVATION
TC	TOP OF CURB
BC	BOTTOM OF CURB



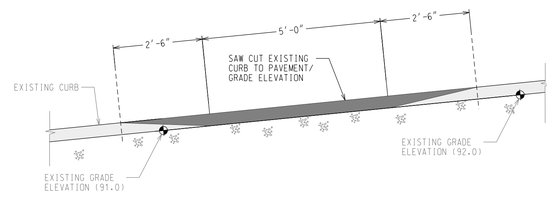
1 C-506 SECTION AT HANDICAP SPACE

SCALE: 1/2" = 1'-0"



2 C-506 SECTION AT CONCRETE CURB

SCALE: 1/2" = 1'-0"



3 C-506 CONCRETE CURB REMOVAL AT RAMP SECTION

SCALE: 1/2" = 1'-0"

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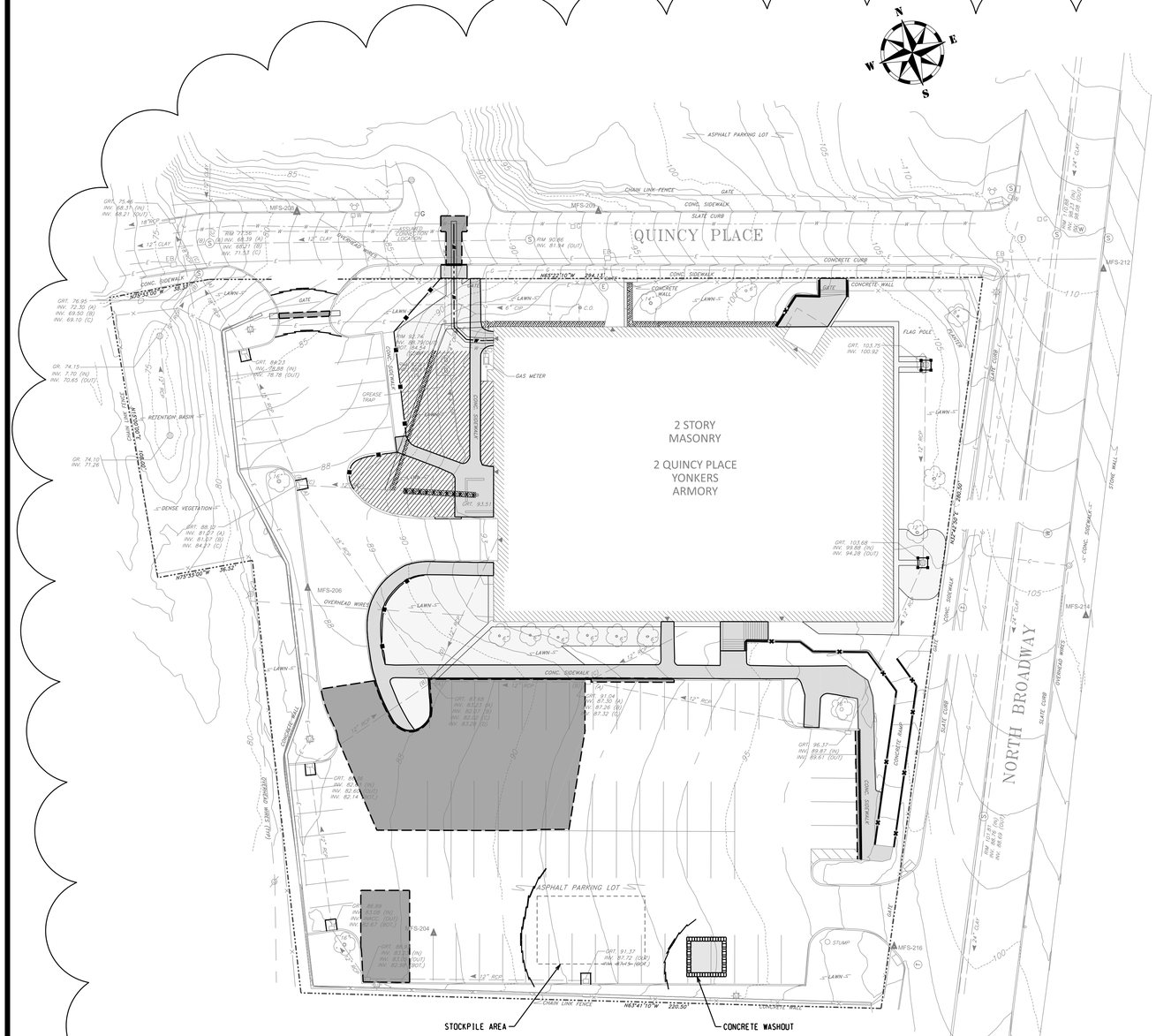
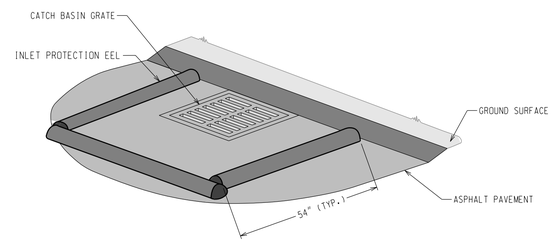
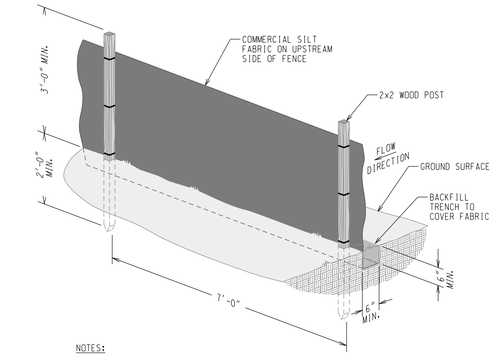
SHEET 17 OF 198





EEL INLET PROTECTION DETAIL

NOT TO SCALE



NOTES:

1. FILTER CLOTH SHALL BE MIRAFI 100X, "STABLELINK T140N" OR APPROVED EQUAL. IF A PREFABRICATED UNIT IS UTILIZED USE ENVIROFENCE OR APPROVED EQUAL.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE

KEY

EROSION & SEDIMENT CONTROL

- INLET PROTECTION
- EROSION CONTROL EELS
- SILT FENCE
- CONC. WASHOUT HAY BALE

EROSION & SEDIMENT CONTROL PLAN

1" = 40'

40 0 40 80

SCALE FEET

BASE MAP REFERENCES:

1. "TOPOGRAPHIC SURVEY - NYC PARKS - ST. NICHOLAS OF MYRA" AS PREPARED BY MFS CONSULTING ENGINEERS & SURVEYORS. DPC: PROJECT No. 1125013; SHEET No. 1; DATED APRIL 9, 2025.
2. "EXISTING CONDITIONS & DEMOLITION PLAN - SOUTH PLAN" AS PREPARED BY GPI ARCHITECTS/ENGINEERS; PROJECT No. M 0562-C, DRAWING No. S02 - 85/104; DATED FEBRUARY 21, 1985
3. "YONKERS ARMORY - LEVEL 1 SPRINKLER PLAN" AS PREPARED BY MARVIC FIRE PROTECTION, INC.; CONTRACT DRAWING No. K-4719, AS-BUILT DRAWING DATE OCTOBER 11, 1987.

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FIELD CHECK:	
APPROVED:	

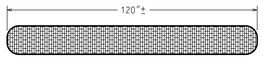
SHEET TITLE:

EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

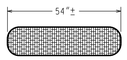
DRAWING NUMBER:

C-507

SHEET 18 OF 198



FULL SIZE BAG



SMALL BAG

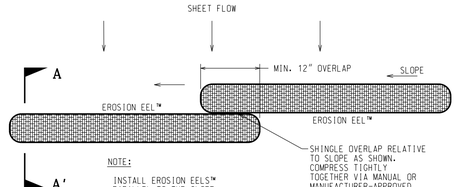
NOMINAL DIAMETER

NOTE:

ALL EROSION EELS™ USED FOR PERIMETER CONTROL SHALL USE MIXTURE SPECIFICATIONS 1.1 AND 1.2.

EROSION EELS™ DETAIL

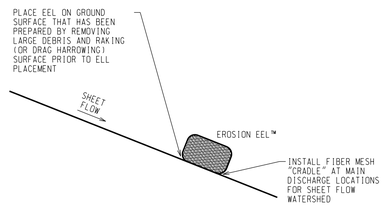
NOT TO SCALE



NOTE:

INSTALL EROSION EELS™ PARALLEL TO THE SLOPE CONTOURS. PLACE 100 FT. (11 FULL SIZE 10' EELS) OF EROSION EELS™ FOR EVERY 0.25 ACRE DISTURBED AREA.

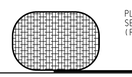
PLAN VIEW



SECTION A-A'

INTERCEPTING SHEET FLOW PERPENDICULAR TO FLOW PATH

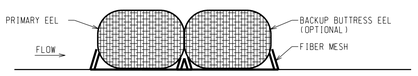
NOT TO SCALE



STEP 1

MOVE THE EEL OVER THE MESH AREA.

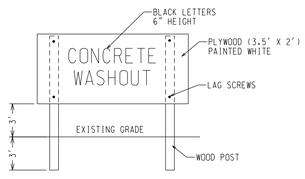
PLACE A SECOND EEL ADJACENT TO THE INITIAL EEL LOCATION (DOWNSLOPE) TO PROVIDE ADDITIONAL WEIGHT AS A BUTTRESS (OPTIONAL).



STEP 2

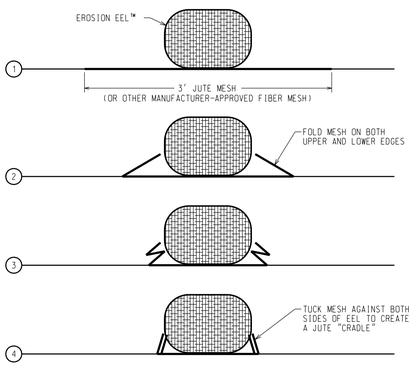
STABILIZING PROCEDURE FOR EROSION EEL PLACED OVER HARD SURFACE (PAVED, ROCK, ETC.) DETAIL

NOT TO SCALE



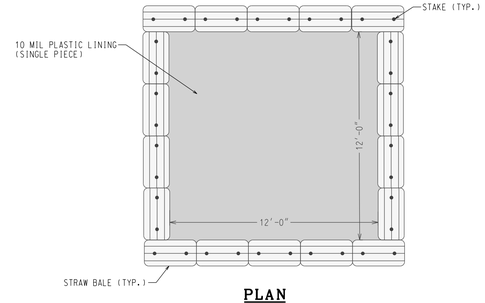
CONCRETE WASHOUT SIGN DETAIL

NOT TO SCALE



FIBER MESH "CRADLE" DETAIL

NOT TO SCALE



PLAN

CROSS SECTION

CONCRETE WASHOUT DETAIL

NOT TO SCALE

NOTES:

1. ALL MATERIALS MUST BE REMOVED WHEN THE WASHOUT BECOMES NO MORE THAN 75% FILLED.
2. ALL HARDENED MATERIALS SHALL BE CLEANED OUT AND DISPOSED OF PROPERLY.
3. ALL WASHOUTS SHALL BE INSPECTED A MINIMUM OF ONCE A WEEK AND AFTER EACH RAIN EVENT AND ANY REPAIRS MADE AS NEEDED WITHIN 48 HOURS.
4. INSTALL A STABILIZED ACCESS TO THE WASHOUT AREA.
5. INSTALL THE CONCRETE WASHOUT SIGN WITHIN 10' OF THE FACILITY.

EROSION EELS™ GENERAL NOTES

1. EROSION EELS™ I USED IN PERIMETER CONTROL APPLICATIONS SHALL HAVE A SPECIFICATION MIXTURE 1.1 OR 1.2.

   a. MIXTURE SPECIFICATION

      1.1. A FILTER MIXTURE COMPRISED OF 50% SHREDDED RUBBER AND 50% WOOD CHIP PARTICLES BY VOLUME. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST. IF NOT ALL. METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHALL BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFIRM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03.

   b. MIXTURE SPECIFICATION

      1.2. A FILTER MIXTURE COMPRISED OF 1/3 SHREDDED RUBBER. 1/3 WOOD CHIPS. AND 1/3 RECYCLED SYNTHETIC FIBERS. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST. IF NOT ALL. METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHAU. BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHAU. BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFIRM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03. THE SYNTHETIC FIBERS SHALL BE PRODUCED FROM RECYCLED. MANUFACTURED MATERIALS. SUCH AS. BUT NOT LIMITED TO. PRE-CONSUMER SCRAP CARPET. TIRE CHORD. AND TIRE FIBER MATERIALS.

2. EROSION EELS™ SHALL BE MANUFACTURED FROM A WOVEN GEOTEXTILE COVERING WITH INTERIOR FILTER MATERIALS SUCH AS 100% SHREDDED RUBBER (MIXTURE SPECIFICATION 1.0. 50% SHREDDED RUBBER/50% AASHTO-CERTIFIED WOOD CHIPS (MIXTURE SPECIFICATION 1.1). OR 1/3 SHREDDED RUBBER:1/3 AASHTO-CERTIFIED WOOD CHIPS:1/3 RECYCLED SYNTHETIC FIBERS (MIXTURE SPECIFICATION 1.2).
3. LENGTHS OF EROSION EELS™ SHALL BE EITHER A NOMINAL +/-10 FT. OR +/- 4.5 FT. NOMINAL DIAMETER SHALL BE +/-9.5 INCHES.
4. EROSION EELS™ CAN BE PLACED AT THE TOP. ON THE FACE. OR AT THE TOE OF SLOPES TO INTERCEPT RUNOFF. REDUCE FLOW VELOCITY. RELEASE THE RUNOFF AS SHEET FLOW AND PROVIDE REMOVAL OF SEDIMENT FROM THE RUNOFF.
5. EROSION EELS™ I SHALL BE INSTALLED ALONG THE GROUND CONTOUR. AT THE TOE OF SLOPES. AT AN ANGLE TO THE CONTOUR TO DIRECT FLOW AS A DIVERSION BERM. AROUND INLET STRUCTURES. IN A DITCH AS A CHECK DAM TO HELP REDUCE SUSPENDED SOLIDS LOADING AND RETAIN SEDIMENT. OR AS A GENERAL FILTER FOR ANY DISTURBED SOIL AREA.
6. NO TRENCHING IS REQUIRED FOR INSTALLATION OF EROSION EELS™.
7. EROSION EELS™ CAN BE PLACED OVER PAVED SURFACES INCLUDING CONCRETE AND ASPHALT WITH NO SURFACE PREPARATION REQUIRED.
8. FOR LOCATIONS WHERE EELS WILL BE PLACED IN CONCENTRATED FLOWS (SUCH AS CHECK DAMS. INLET PROTECTION) ᴙND FOR PERIMETER CONTROLS AT PRIMARY DISCHARGE LOCATIONS. BED THE EELS IN A JUTE MESH CRADLE PER THE DETAILED DRAWINGS.
9. IF MORE THAN ONE EROSION EEL™ IS PLACED IN A ROW. THE EELS SHALL BE OVERLAPPED A MINIMUM OF 12 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. COMPRESS THE TWO EELS OF THE OVERLAP TIGHTLY TOGETHER EITHER BY HAND OR MANUFACTURER-APPROVED MECHANIZED MEANS.
10. EROSION EELS SHALL REMAIN IN PLACE UNTIL FULLY ESTABLISHED VEGETATION HAS COMPLETELY DEVELOPED OR UNTIL THE STORAGE CAPACITY/FUNCTIONAL LIFE OF THE EEL HAS BEEN EXHAUSTED (REQUIRING REPLACEMENT WITH NEW EELS).

CONSTRUCTION SCHEDULE AND SEQUENCE

CONSTRUCTION OF THE PROJECT IS EXPECTED TO BEGIN IN THE SUMMER OF 2025. THE GENERAL SITE NOTES AND ANTICIPATED CONSTRUCTION SEQUENCE FOR THE SITE IMPROVEMENTS CONSIST OF THE FOLLOWING:

GENERAL NOTES:

1. ONE (1) WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS. A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE DISTURBED LANDS IN THAT AREA ARE STABILIZED.
3. NO DISTURBED AREA SHALL REMAIN EXPOSED FOR MORE THAN 7 CALENDAR DAYS. EXCEPT FOR PORTIONS OF THE SITE IN WHICH WORK WILL BE CONTINUOUS BEYOND 7 DAYS (E.G.. THE BUILDING FOOTPRINT). TEMPORARY VEGETATION SHALL BE PROVIDED IN ALL AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR GREATER THAN 7 CALENDAR DAYS.
4. A TRAINED CONTRACTOR SHALL BE ON-SITE DURING ALL LAND DISTURBANCE CONSTRUCTION ACTIVITIES IN ORDER TO INSPECT THE EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED IN THIS DOCUMENT AND THE CONSTRUCTION DRAWINGS. ACTIVE CONSTRUCTION ZONES SHALL BE INSPECTED DAILY TO ENSURE THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES. CORRECTIVE MEASURES TO ADDRESS ANY DEFICIENCIES IDENTIFIED BY THE TRAINED CONTRACTOR SHALL BE IMPLEMENTED WITHIN 24 HOURS.

CONSTRUCTION SEQUENCE:

SITE PREPARATION

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE ESC PLAN.

SITE GRADING AND BUILDING CONSTRUCTION

1. CREATE EQUIPMENT STAGING AND MATERIAL STOCKPILE LOCATIONS. AS INDICATED ON THE ESC PLAN.
2. SAWCUT. MILL AND REMOVE EXISTING ASPHALT TO THE LIMITS SHOWN ON THE ESC PLAN AND CONSTRUCTION DRAWINGS.
3. STRIP AND STOCKPILE GRAVEL SURFACE AND SUBGRADE FROM PROPOSED BUILDING FOOTPRINT AS NEEDED.
   - STOCKPILE THE REMOVED MATERIAL AT THE DESIGNATED SPOILS AREA IDENTIFIED ON THE ESC PLAN.
   - COVER STOCKPILE AND PROVIDE EROSION EELS AROUND THE PERIMETER OF STAGED SPOILS AND/OR TEMPORARILY STAGED PILES OF FILL.
4. INSTALL ADDITIONAL EROSION EELS. AS NEEDED. DOWN-GRADIENT FROM LOCALIZED AREAS OF CONSTRUCTION ACTIVITIES.
5. SILT FENCE SHALL BE INSTALLED AT DISTURBED EARTHEN AREAS PARALLEL TO ELEVATION CONTOURS AND AS SHOWN ON THE ESC PLAN.
6. INSTALL UTILITIES AS INDICATED ON CONSTRUCTION DRAWINGS. PLEASE NOTE THAT MATERIAL EXCAVATED FROM UTILITY TRENCHES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE TRENCH AND BACKFILLED IMMEDIATELY UPON COMPLETION OF WORK. ADDITIONALLY. CONTRACTOR SHALL SEED. MULCH AND STABILIZE THE DISTURBED AREA AS SOON AS WORK IS COMPLETE.
7. CONSTRUCT THE PROPOSED BUILDING ADDITION AS SPECIFIED IN CONTRACT DOCUMENTS PREPARED BY THE PROJECT ARCHITECT.
8. COMPLETE EARTHWORK AND GRADING OPERATIONS. INCLUDING PLACEMENT OF FILL TO LIMITS INDICATED. NOTE THAT FINAL GRADING OF THE STORMWATER MANAGEMENT AREAS SHALL NOT BE INITIATED UNTIL ALL UPSTREAM DISTURBED AREAS ARE STABILIZED.
9. CONTINUALLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES DURING GRADING OPERATIONS.

RESTORATION

1. SEED. MULCH AND STABILIZE ALL DISTURBED GROUND COVER.
2. INSTALL LANDSCAPING FEATURES (I.E.. PLANTS. MULCH. ETC.).
3. REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE VEGETATION HAS BEEN ESTABLISHED.

INSPECTION PROCEDURES AND MAINTENANCE

DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE FOR INSPECTING AND MAINTAINING THE TEMPORARY EROSION CONTROL FACILITIES. ALSO. AREAS THAT HAVE BEEN SEEDED WILL BE INSPECTED REGULARLY AFTER SEED GERMINATION TO ENSURE COMPLETE COVERAGE OF EXPOSED AREAS.

NECESSARY INSPECTIONS OF ALL DEVICES SHOULD BE COMPLETED TWICE PER WEEK AND AFTER EACH RAINFALL EVENT. REPAIRS SHOULD BE COMPLETED IMMEDIATELY UPON DISCOVERY.

THE INSPECTIONS SHALL BE PERFORMED BY A "QUALIFIED INSPECTOR". AS DEFINED BY THE DEC'S GP-0-20-001 GENERAL PERMIT PROGRAM. THE FOLLOWING ITEMS SHALL BE DOCUMENTED AND THE CONTRACTOR NOTIFIED OF DEFICIENCIES REQUIRING CORRECTIVE ACTION:

- STABILIZATION MEASURES: DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR. POLLUTANTS ENTERING THE DRAINAGE SYSTEM. AFTER THE SITE IS STABILIZED. INSPECTIONS WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH THROUGHOUT THE LIFE OF THE PROJECT.
- STRUCTURAL CONTROLS: SILT FENCES. STRAW BALE BARRIERS. AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE INSPECTED REGULARLY FOR PROPER POSITIONING. ANCHORING. AND EFFECTIVENESS IN TRAPPING SEDIMENTS. SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UP-SLOPE SIDE OF THE FILTER FABRIC AND CHECK DAMS.
- CONSTRUCTION ENTRANCES: LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
- SEDIMENT AROUND THE SILT FENCING AND EROSION EELS SHOULD BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE DEVICES.
- ALL SEEDED AREAS SHALL BE MAINTAINED AS FOLLOWS:
  - PROTECT SEEDED AREAS UNTIL VEGETATION HAS BEEN ESTABLISHED.
  - IMMEDIATELY RE-SEED AREAS WHICH DO NOT ESTABLISH VEGETATION.
  - SUBMIT MAINTENANCE INSTRUCTIONS FOR FERTILIZING AND LAWN CARE.
- TO PRESERVE THE FUNCTIONALITY OF THE STORMWATER MANAGEMENT SYSTEM. A REPRESENTATIVE OF THE OWNER SHALL COMPLETE THE FOLLOWING:
  - COORDINATE THE REMOVAL OF ANY ACCUMULATED SEDIMENT AT SILT FENCE AND EROSION EELS.
  - THE INSPECTIONS WILL BE PERFORMED ON A MONTHLY BASIS. OR MORE FREQUENTLY AS WEATHER CONDITIONS WARRANT.
- THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE LAWN AREAS.

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bell & spina ARCHITECTS

M&P ENGINEERING AND LAND SURVEYING

WARNING:

THE ALTERATION OF THIS MATERIAL ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR

STATE OF NEW YORK · ERIC JAMES BUCK · 083425 · LICENSED PROFESSIONAL ENGINEER

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	47477-C
DESIGNED BY:	E. BUCK & M. OLSZEWSKI
DRAWN BY:	D. COE & L. POPPLETON
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER:
C-508

SHEET 19 OF 198

DESIGN DATA

DESIGN CODE:	2020 BUILDING CODE OF NEW YORK STATE (BCNYS)
RISK CATEGORY:	II
EXPOSURE CATEGORY:	B
LATERAL (SEISMIC/WIND) FORCE-RESISTING SYSTEM:	
MEZZANINE:	BRACED FRAME (NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE)
STAIR/ELEVATOR TOWER:	INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

SNOW & RAIN LOADS	GROUND SNOW LOAD (Pg):	25 psf
	FLAT ROOF SNOW LOAD (Pf):	20 psf
	EXPOSURE FACTOR (Ce):	1.0
	THERMAL FACTOR (Ct):	1.0
	SNOW IMPORTANCE FACTOR (Is):	1.0
	SLOPE FACTOR (Cs):	NA
	SLOPED ROOF SNOW LOAD (Ps):	NA
	FLAT ROOF SNOW LOAD AT EXTERIOR CANOPY (Pf), Ct = 1.2:	21 psf
	RAIN LOAD (3 INCHES OF ACCUMULATION):	15 psf
	15-MIN RAIN INTENSITY:	6.28 in/hr
	60-MIN RAIN INTENSITY:	2.74 in/hr
	A CODE COMPLIANT SECONDARY DRAINAGE SYSTEM SHALL BE PROVIDED TO LIMIT THE ACCUMULATED DEPTH OF WATER TO AMOUNT NOTED OR LESS.	
	DRIFTED, UNBALANCED, AND SLOPED ROOF SLIDING SNOW IN ACCORDANCE WITH ASCE 7-16. SEE THIS SHEET FOR SNOW LOADING DIAGRAM.	
WIND LOADS (ELEVATOR TOWER)	MAIN WIND FORCE RESISTING SYSTEM HAS BEEN DESIGNED TO ASCE 7-16, AS REFERENCED IN 2020 BCNYS SECTION 1609.1 USING THE FOLLOWING PROCEDURE: DIRECTIONAL PROCEDURE PART 2 (ASCE 7-16, SECTION 27.5)	
	ULTIMATE WIND SPEED (3-SECOND GUST) (Vult):	115 mph
	NOMINAL WIND SPEED (3-SECOND GUST) (Vasd):	89 mph
	ENCLOSURE CLASSIFICATION:	ENCLOSED
	DIRECTIONALITY FACTOR (Kd):	0.85
	TOPOGRAPHIC FACTOR (Kzt):	1.0
	HEIGHT OF MAIN ROOF:	36.0 ft
	GUST-EFFECT FACTOR (G):	0.85
	INTERNAL PRESSURE COEFFICIENT (GCpi):	(±0.18)
	WIND DESIGN BASE SHEAR (V):	12.0k (N-S) DIRECTION
		19.2k (E-W) DIRECTION
	SEE 2/S001 FOR ADDITIONAL WIND LOAD DATA FOR ROOFS, OVERHANGS, COMPONENTS AND CLADDING, ROOF-TOP STRUCTURES, CANOPIES, AND PARAPETS. NET UPLIFT LOAD ON ROOF FRAMING COMPONENTS SHALL BE DETERMINED BY DEDUCTING 5 psf DEAD LOAD FROM THE TABULATED ROOF WIND LOADS FOR COMPONENTS AND CLADDING. NET UPLIFT VALUE SHALL BE A MINIMUM OF 10 psf.	
SEISMIC LOADS	SITE CLASS (DEFAULT):	D
	SEISMIC IMPORTANCE FACTOR (Ie):	1.0
	SHORT-PERIOD MAPPED SPECTRAL RESPONSE (Ss):	0.297
	ONE-SECOND MAPPED SPECTRAL RESPONSE (S1):	0.061
	SHORT-PERIOD DESIGN ACCELERATION (Sds):	0.31
	ONE-SECOND DESIGN ACCELERATION (Sd1):	0.098
	SHORT-PERIOD SITE COEFFICIENT (Fa):	1.562
	LONG-PERIOD SITE COEFFICIENT (Fv):	2.4
	MAPPED LONG-PERIOD TRANSITION PERIOD (TL):	6 sec
	SEISMIC DESIGN CATEGORY:	B
	ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE
	RESPONSE MODIFICATION COEFFICIENT (AT MEZZANINE) (R):	3.0
	RESPONSE MODIFICATION COEFFICIENT (AT STAIR/ELEVATOR TOWER) (R):	3.5
	SEISMIC RESPONSE COEFFICIENT (AT MEZZANINE) (Cs):	0.103
	SEISMIC RESPONSE COEFFICIENT (AT ELEVATOR TOWER) (Cs):	0.089
	SEISMIC DESIGN BASE SHEAR (AT MEZZANINE) (V):	28.2k
	SEISMIC DESIGN BASE SHEAR (AT ELEVATOR TOWER) (V):	32.3k

CODE COMPLIANCE FOR EXISTING STRUCTURES

DESIGN CODE:	2020 EXISTING BUILDING CODE OF NEW YORK STATE (EBCNYS)
COMPLIANCE METHOD:	WORK AREA
CLASSIFICATION OF WORK:	ALTERATION-LEVEL 3

EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENTS HAVE BEEN EVALUATED TO CARRY THE GRAVITY LOADS REQUIRED BY THE BCNYS FOR NEW STRUCTURES IF THE ALTERATION AND ADDITION CAUSES AN INCREASE IN THE DESIGN DEAD, LIVE, OR SNOW LOAD, INCLUDING SNOW DRIFT EFFECTS, OF MORE THAN 5 PERCENT OR THE CAPACITY OF ANY EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENT IS DECREASED AS PART OF THE ALTERATION AND ADDITION.

EXISTING LATERAL LOAD-CARRYING STRUCTURAL ELEMENTS HAVE BEEN EVALUATED FOR 2020 BCNYS WIND LOADS AND REDUCED BCNYS-LEVEL SEISMIC LOADS.

LOADING SCHEDULE

OCCUPANCY OR USE	SUPERIMPOSED DEAD LOAD (psf)	LIVE LOAD		LIVE LOAD REDUCTION
		UNIFORM (psf)	CONCENTRATED (lbs)	
OFFICES	15 (5)	65 [15]	2,000	[YES]
CORRIDORS ABOVE 1st FLOOR	15 (5)	80	2,000	[YES]
LOCKER ROOMS	15 (5)	70 [15]	2,000	[NO]
STAIRS	20 (5)	100	2,000	[YES]
ROOF	20 (5)	20	300	[YES]

NOTES:
1. FLOORS HAVE BEEN DESIGNED TO SUPPORT THE UNIFORMLY DISTRIBUTED LIVE LOADS OR THE CONCENTRATED LIVE LOADS NOTED ABOVE, WHICHEVER PRODUCE THE GREATER LOAD EFFECTS.
2. CONCENTRATED LIVE LOAD: UNIFORMLY DISTRIBUTED OVER AN AREA 2.5 FEET SQUARE (6.25 SQUARE FEET) AND LOCATED SO AS TO PRODUCE THE MAXIMUM LOAD EFFECTS IN THE STRUCTURAL MEMBERS.
3. LOAD IN ( ) IS PORTION OF SUPERIMPOSED DEAD LOAD CONSIDERED FOR MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT SUSPENDED FROM STRUCTURAL FRAMING.
4. LOAD IN [ ] IS PORTION OF LIVE LOAD CONSIDERED FOR PARTITION LOADING. PARTITION LOADS ARE NOT REDUCIBLE
5. DO NOT SUSPEND CONCENTRATED LOADS FROM BARE METAL DECK.
6. SEE PLAN FOR LOCATIONS AND WEIGHTS OF LARGE EQUIPMENT. WEIGHT OF THIS EQUIPMENT IS IN ADDITION TO THE UNIFORM LOADS INDICATED ABOVE.

MATERIAL STRENGTHS TABLE

CONCRETE

CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
SEE SPECIFICATIONS FOR SLUMP AND OTHER REQUIREMENTS.

INTENDED USE		28-DAY STRENGTH F_C (psi)	EXPOSURE CATEGORY	MAX WATER/ CEMENT RATIO	ENTRAINED AIR (%)	OTHER NOTES
FOOTINGS & MISCELLANEOUS		3,000	F0,S0,W0,C1	0.55	N/A	CLASS A
PIERS & FOUNDATION WALLS		4,500	F2,S0,W0,C1	0.45	5.5±1.5	CLASS B
SLABS ON GRADE	INTERIOR	4,000	F0,S0,W0,C0	0.50	SEE NOTE 3	CLASS C
SLABS ON METAL DECK	NORMAL WEIGHT	4,000	F0,S0,W0,C0	0.50	SEE NOTE 3	CLASS D

MASONRY

CONCRETE MASONRY UNITS	ASTM C90 WITH AVERAGE NET COMPRESSIVE STRENGTH OF 2,000 psi
CLAY BRICK	ASTM C216, TYPE FBS, GRADE SW
MORTAR	ASTM C270, TYPE S
GROUT	ASTM C476, COMPRESSIVE STRENGTH OF 2,500 psi, 8 TO 11-INCH SLUMP

REINFORCING STEEL FOR CONCRETE AND MASONRY

UNCOATED DEFORMED BARS	ASTM A615, GRADE 60

STRUCTURAL STEEL

STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED, SEE SPECIFICATIONS.
FOR CONNECTIONS PROVIDE HIGHER GRADE AS REQUIRED.

ANCHOR RODS	ASTM F1554, GRADE 36 OR 55
HIGH-STRENGTH BOLTS	ASTM F3125, GRADE A325 OR A490, TYPE 1, PLAIN
ROLLED-STEEL ANGLES, C, MC, S, M, ST AND MT SHAPES	ASTM A36 OR ASTM A572, GRADE 50 (WHERE INDICATED ON DRAWINGS)
ROLLED-STEEL PLATES AND BARS	ASTM A36 OR ASTM A572, GRADE 50 (WHERE INDICATED ON DRAWINGS)
ROLLED-STEEL W AND WT SHAPES	ASTM A992
ROLLED-STEEL HP SHAPES	ASTM A572, GRADE 50
STEEL PIPE	ASTM A53, TYPE E OR S, GRADE B
HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C
HEADED STUD ANCHOR	ASTM A108, TYPE B

NOTES:
1. USE MATERIAL STRENGTHS LISTED ABOVE UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. DO NOT ADD AIR ENTRAINING ADMIXTURE, ENTRAPPED AIR FROM MIXING ONLY.

REFERENCED STANDARDS TABLE

REFERENCE TITLE	EDITION	ABBREVIATION ELSEWHERE IN DRAWINGS
ACI BUILDNG CODE REQUIREMENTS FOR REINFORCED CONCRETE	ACI 318-14	ACI 318
ASCE MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDING AND OTHER STRUCTURES	ASCE 7-16	ASCE 7
BUILDING CODE REQUIRMENTS FOR MASONRY STRUCTURES	TMS 402-13 / ACI 530-13 / ASCE 5-13	TMS 402
SPECIFICATION FOR MASONRY STRUCTURES	TMS 602-13 / ACI 530.1-13 / ASCE 6-13	TMS 602
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS	AISC 360-16	AISC 360

NOTES:
1. ALL OTHER STANDARDS TO BE IN ACCORDANCE WITH 2020 BUILDING CODE OF NEW YORK STATE, CHAPTER 35
2. STRUCTURAL DELEGATED DESIGN AND NON-STRUCTURAL COMPONENT DESIGN ITEMS TO BE IN ACCORDANCE WITH STANDARDS IN THIS TABLE

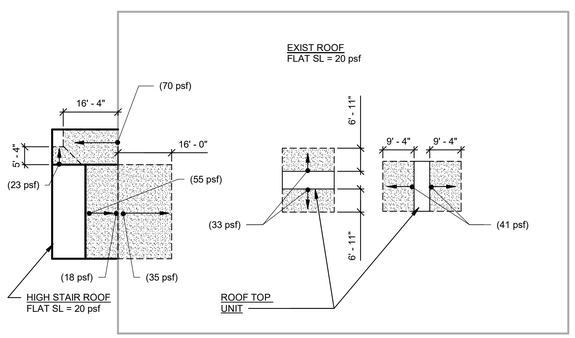
ULTIMATE WIND PRESSURE FOR EXTERIOR COMPONENTS AND CLADDING MATERIALS

BASIC WIND: 115 mph H (ft)= 36
EXPOSURE: B Kzt= 1

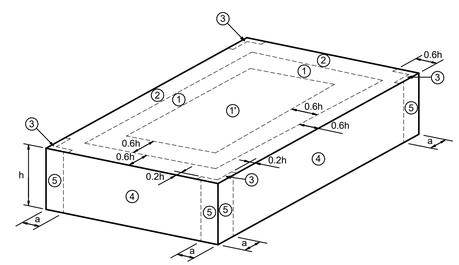
ROOF TYPE	SURFACE	EFFECTIVE WIND AREA (sf)	WIND PRESSURE TOWARD SURFACE (psf)	WIND PRESSURE AWAY FROM SURFACE (psf)
0° to 7°	ZONE 1 ROOF	10	16.0	-40.1
		20	16.0	-37.5
		50	16.0	-34.0
		100	16.0	-31.3
	ZONE 1' ROOF CENTER	10	16.0	-23.1
		20	16.0	-23.1
		50	16.0	-23.1
		100	16.0	-23.1
	ZONE 1&1' ROOF OVERHANGS AT MIDDLE OF ROOF	10	NA	-36.3
		20	NA	-35.7
		50	NA	-34.8
		100	NA	-34.2
	ZONE 2 ROOF EDGES	10	16.0	-52.9
		20	16.0	-49.5
		50	16.0	-45.0
		100	16.0	-41.6
	ZONE 2 ROOF OVERHANGS AT ROOF EDGES	10	NA	-49.1
		20	NA	-44.5
		50	NA	-38.5
		100	NA	-34.0
	ZONE 3 ROOF CORNERS	10	16.0	-72.0
		20	16.0	-65.3
		50	16.0	-56.3
		100	16.0	-49.5
	ZONE 3 ROOF OVERHANGS AT ROOF CORNERS	10	NA	-68.2
		20	NA	-60.3
		50	NA	-49.8
		100	NA	-41.9
	ZONE 4 WALL	10	25.2	-27.3
		20	24.0	-26.1
		50	22.5	-24.7
		100	21.4	-23.5
	ZONE 5 WALL CORNERS	10	25.2	-33.8
		20	24.0	-31.4
		50	22.5	-28.5
		100	21.4	-26.1

ULTIMATE WIND PRESSURE FOR PARAPET COMPONENTS AND CLADDING MATERIALS

SURFACE	EFFECTIVE WIND AREA (sf)	PARAPET WIND PRESSURE (psf)
WALL ZONE 5 ROOF ZONE 3	10	97.2
	20	89.3
	50	78.8
	100	70.9
WALL ZONE 4 ROOF ZONE 2	10	78.1
	20	73.5
	50	67.5
	100	63.0



1 S-001 ROOF SNOW LOADING PLAN
NOT TO SCALE
NOTES:
1. - DENOTES DRIFTED SNOW LOADS IN ADDITION TO FLAT SNOW LOADS SHOWN.
2. SEE PLAN (PSF) — DRIFTED SNOW LOAD — FLAT SNOW LOAD



FLAT / HIP / GABLE (0° ≤ Θ ≤7°)

2 S-001 COMPONENTS AND CLADDING WIND PRESSURE ZONE DESIGNATIONS
NOT TO SCALE

ABBREVIATIONS LIST

AB	- ANCHOR BOLT	EXIST	- EXISTING	OF	- OUTSIDE FACE
ACI	- AMERICAN CONCRETE INSTITUTE	EXP	- EXPANSION	OPNG	- OPENING
ACMU	- ARCHITECTURAL CMU	EXT	- EXTERIOR	OPP	- OPPOSITE
ADDL	- ADDITIONAL	FD	- FLOOR DRAIN	OVS	- OVERSIZED
ADJ	- ADJACENT	FDN	- FOUNDATION	PAF	- POWER-ACTUATED FASTENER
AESS	- ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FLG	- FLANGE	PC	- PRECAST OR PILE CAP
		FRP	- FIBER REINFORCED POLYMER	PCF	- POUNDS PER CUBIC FOOT
		FS	- FAR SIDE	PE	- PROFESSIONAL ENGINEER
AISC	- AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FT	- FOOT OR FEET	PLF	- POUNDS PER LINEAR FOOT
		FTG	- FOOTING	PS	- PRESTRESSED
		GA	- GAUGE	PSF	- POUNDS PER SQUARE FOOT
AHU	- AIR HANDLING UNIT	GALV	- GALVANIZE	PSI	- POUNDS PER SQUARE INCH
ALT	- ALTERNATE	GB	- GRADE BEAM	PSL	- PARALLEL STRAND LUMBER
ALUM	- ALUMINUM	GR	- GRADE	PT	- POST-TENSIONED
ANC	- ANCHOR	HAS	- HEADED ANCHOR STUD	PTL	- PRESSURE TREATED LUMBER
APA	- AMERICAN PLYWOOD ASSOCIATION	HGR	- HANGER	QTY	- QUANTITY
APPROX	- APPROXIMATE	HI	- HIGH	R	- RADIUS
AR	- ANCHOR ROD	HK	- HOOK	RD	- ROOF DRAIN
ARCH	- ARCHITECT/ ARCHITECTURAL	HORIZ	- HORIZONTAL	RDP	- REGISTERED DESIGN PROFESSIONAL
ASCE	- AMERICAN SOCIETY OF CIVIL ENGINEERS	HP	- HIGH POINT	REF	- REFER TO OR REFERENCE
ASD	- ALLOWABLE STRESS DESIGN	HSS	- HOLLOW STRUCTURAL SECTION	REINF	- REINFORCING OR REINFORCED
ASTM	- AMERICAN SOCIETY FOR TESTING AND MATERIALS	HT	- HEIGHT	REQD	- REQUIRED
		HVAC	- HEATING, VENTILATION, AIR CONDITIONING	REV	- REVISED OR REVISION
AWS	- AMERICAN WELDING SOCIETY	ID	- INSIDE DIAMETER	RTU	- ROOF TOP UNIT
		IF	- INSIDE FACE	RO	- ROUGH OPENING
B/	- BOTTOM OF	IN	- INCH OR INCHES	SC	- SLIP-CRITICAL
BF	- BRACED FRAME	INFO	- INFORMATION	SCJ	- SLAB CONTROL OR CONSTRUCTION JOINT
BLDG	- BUILDING	INT	- INTERIOR	SDI	- STEEL DECK INSTITUTE
BP	- BASE PLATE	INV	- INVERT	SJI	- STEEL JOIST INSTITUTE
BRG	- BEARING	JT	- JOINT	SF	- SQUARE FEET
BRDG	- BRIDGING	K	- KIP(S)	SI	- SQUARE INCH
BTW	- BETWEEN	KLF	- KIPS PER LINEAR FOOT	SIM	- SIMILAR
C	- CHANNEL	KSF	- KIP PER SQUARE FOOT	SL	- SNOW LOAD
CANT	- CANTILEVER	KSI	- KIPS PER SQUARE INCH	SOD	- SLAB ON DECK
CFMF	- COLD-FORMED METAL FRAMING	L	- ANGLE SECTION	SOG	- SLAB ON GRADE
CIP	- CAST-IN-PLACE	LBS	- POUNDS	SPA	- SPACE OR SPACING
CJ	- CONTROL, CONSTRUCTION JOINT	LG	- LONG	SPEC	- SPECIFICATION
CJP	- COMPLETE-JOINT-PENETRATION	LL	- LIVE LOAD	SQ	- SQUARE
℄	- CENTERLINE	LLH	- LONG LEG HORIZONTAL	SS	- STAINLESS STEEL
CLR	- CLEAR	LLV	- LONG LEG VERTICAL	STD	- STANDARD
CMU	- CONCRETE MASONRY UNIT	LO	- LOW	STL	- STEEL
COL	- COLUMN	LOC	- LOCATION	STR	- STRUCTURAL
CONC	- CONCRETE	LONG	- LONGITUDINAL	SW	- SHEARWALL
CONT	- CONTINUOUS	LP	- LOW POINT	T/	- TOP OF
COORD	- COORDINATE	LRFD	- LOAD AND RESISTANCE FACTOR DESIGN	T/F	- TOP OF FOOTING
CTR	- CENTER(ED)	LSH	- LONG SIDE HORIZONTAL	T/S	- TOP OF SHELF
ø	- DIAMETER	LSV	- LONG SIDE VERTICAL	T/W	- TOP OF WALL
DBL	- DOUBLE	LW	- LIGHTWEIGHT	T&B	- TOP AND BOTTOM
DIAG	- DIAGONAL	LWC	- LIGHTWEIGHT CONCRETE	TIM	- THERMAL ISOLATION MATERIAL
DIM	- DIMENSION	LVL	- LEVEL OR LAMINATED VENEER LUMBER	TL	- TOTAL LOAD
DL	- DEAD LOAD	MATL	- MATERIAL	TYP	- TYPICAL
DN	- DOWN	MAX	- MAXIMUM	UNO	- UNLESS NOTED OTHERWISE
do	- DITTO	MC	- MISCELLANEOUS CHANNEL SECTION	VERT	- VERTICAL
DP	- DRILLED PIER	MECH	- MECHANICAL	VIF	- VERIFY IN FIELD
DP	- DRILLED PIER	MEP	- MECHANICAL/ ELECTRICAL/ PLUMBING	W	- WIDE FLANGE SECTION OR WIDTH
DWG	- DRAWING	MFR	- MANUFACTURER	W/	- WITH
DWL	- DOWEL	MIN	- MINIMUM	WP	- WORK POINT
(E)	- EXISTING	MISC	- MISCELLANEOUS	WT	- WIDE FLANGE TEE SECTION
EA	- EACH	MO	- MASONRY OPENING	WWR	- WELDED WIRE REINFORCEMENT
EC	- EPOXY COATED	MTL	- METAL	WCJ	- WALL CONTROL OR CONSTRUCTION JOINT
EF	- EACH FACE OR EXHAUST FAN	NA	- NOT APPLICABLE		
EJ	- EXPANSION JOINT	NIC	- NOT IN CONTRACT		
EL	- ELEVATION	NOM	- NOMINAL		
ELEC	- ELECTRICAL	NS	- NEAR SIDE		
ELEV	- ELEVATOR	NTS	- NOT TO SCALE		
EMBD	- EMBEDDED OR EMBEDMENT	NW	- NORMALWEIGHT		
		NWC	- NORMALWEIGHT CONCRETE		
EOD	- EDGE OF DECK	OC	- ON CENTER		
EOS	- EDGE OF SLAB	OD	- OUTSIDE DIAMETER		
EQ	- EQUAL OR EQUALLY				
EQUIP	- EQUIPMENT				
ES	- EACH SIDE				
EW	- EACH WAY				

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DESIGN & CONSTRUCTION

CONSULTANT
bell & spina ARCHITECTS
RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

WARNING:
THE ALTERATION OF THIS MATERIAL ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR

STATE OF NEW YORK — RYAN CHRISTOPHER BIGGS — LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**
DESIGNED BY: RJM
DRAWN BY: RJM
FIELD CHECK:
APPROVED: JCH
SHEET TITLE:
DESIGN DATA NOTES

DRAWING NUMBER:
S-001

GENERAL NOTES

1. THIS PROJECT INCLUDES STRUCTURAL MODIFICATIONS TO AN EXISTING BUILDING. EXISTING STRUCTURE REPRESENTED IN DRAWINGS IS BASED ON INFORMATION OBTAINED FROM AVAILABLE HISTORICAL DOCUMENTS OF ORIGINAL CONSTRUCTION AND LIMITED OBSERVATIONS OF EXISTING CONSTRUCTION. EXISTING STRUCTURE AND DIMENSIONS TO, OF, AND WITHIN THE EXISTING STRUCTURE SHALL BE VERIFIED IN THE FIELD.
2. THIS PROJECT INCLUDES AN ADDITION TO AN EXISTING BUILDING. PROPER LAYOUT OF THE ADDITION REQUIRES EXISTING BUILDING DIMENSIONS AND GEOMETRY TO BE VERIFIED IN THE FIELD, PRIOR TO COMPLETION OF SHOP DRAWINGS. DIMENSIONS AND ALIGNMENT AT BUILDING INTERFACES ARE APPROXIMATE. THE EXISTING BUILDING STRUCTURE AND EXTERIOR FAÇADE MAY NOT BE STRAIGHT, CORNERS MAY NOT BE SQUARE, AND WALLS MAY NOT BE PLUMB. OFFSET DIMENSIONS SHOWN ARE THE MINIMUM DIMENSIONS REQUIRED TO PROVIDE THE INTENDED ALIGNMENT OF THE ADDITION WITH RESPECT TO THE EXISTING STRUCTURE.
3. DO NOT SCALE DRAWINGS. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES IN DIMENSIONS BETWEEN EXISTING CONDITIONS AND/OR ARCHITECTURAL DRAWINGS AND THE STRUCTURAL DRAWINGS.
4. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
5. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
6. THE NOTES IN THIS DRAWING ARE TYPICAL UNLESS OTHERWISE INDICATED.
7. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION OF CONSTRUCTION AND TO SUPPORT ONLY THE DESIGN LOAD INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, SEQUENCE OF CONSTRUCTION, AND FOR THE ADEQUACY OF THE STRUCTURE TO SUPPORT TEMPORARY LOADS OCCURRING DURING CONSTRUCTION. TEMPORARILY BRACE BUILDING UNTIL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: (FLOOR DECK, ROOF DECK, BRACING MEMBERS, SHEAR WALLS, MOMENT CONNECTIONS, ETC.).
8. NOTIFY THE DIRECTOR'S REPRESENTATIVE IN WRITING OF PROPOSED DEVIATIONS OR SUBSTITUTIONS FROM DIMENSIONS, MATERIALS, OR EQUIPMENT SHOWN IN THE DRAWINGS AND MAKE ONLY THOSE DEVIATIONS OR SUBSTITUTIONS ACCEPTED BY DIRECTOR'S REPRESENTATIVE.
9. DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT OCCUR AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
10. COORDINATE NUMBER AND LOCATION OF ROOF DRAINS AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
11. DO NOT SUSPEND MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS FROM ROOF DECK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR HANGERS AND SUPPLEMENTAL FRAMING REQUIRED TO ATTACH THESE ITEMS TO THE MAIN ROOF FRAMING.
12. LOCATE REINFORCEMENT IN EXISTING STRUCTURAL CONCRETE SLABS AND WALLS USING NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES FOR PIPING AND CONDUIT. DO NOT DRILL INTO AND DAMAGE EXISTING REINFORCEMENT. COORDINATE QUANTITY AND LOCATION OF HOLES WITH PLUMBING AND ELECTRICAL DRAWINGS. REFER TO THESE DRAWINGS AND SPECIFICATIONS FOR SUPPLEMENTAL SUPPORTS AND SLEEVES. HOLES ARE NOT PERMITTED IN STRUCTURAL CONCRETE BEAMS, JOISTS, AND COLUMNS UNLESS SPECIFICALLY ALLOWED DIRECTOR'S REPRESENTATIVE.
13. LOCATE REINFORCEMENT IN EXISTING STRUCTURAL CONCRETE SLABS, WALLS, BEAMS, JOISTS, AND COLUMNS USING NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES FOR POST-INSTALLED ANCHORS. DO NOT DRILL INTO AND DAMAGE EXISTING REINFORCEMENT. NOTIFY DIRECTOR'S REPRESENTATIVE IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REINFORCEMENT.
14. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR CONSTRUCTION SAFETY.
15. DESIGNED IN ACCORDANCE WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE WITH AMENDMENTS.

FOUNDATION NOTES

1. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS INCLUDED IN "GEOTECHNICAL ENGINEERING SERVICES REPORT - OGS 47477 RENOVATE STATE ARMORY NATIONAL GUARD - GEOTECHNICAL ENGINEERING SERVICES - NEW ADDITION - RGE PROJECT NUMBER: 25.0015" RENAISSANCE GEOTECHNICAL ENGINEERING, DATED: JUNE 23, 2025, BY ALSENY DIOP, P.E.
2. BEAR FOOTINGS ON FIRM UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL.
3. FOOTINGS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE OF 2000 psf. BEARING STRATUM FOR THIS CAPACITY SHALL BE VERIFIED IN FIELD BY A LICENSED DIRECTOR'S REPRESENTATIVE BEFORE CASTING CONCRETE FOOTINGS.
4. UNLESS OTHERWISE NOTED, BOTTOM OF EXTERIOR FOOTINGS IS 4 FEET MINIMUM BELOW FINISH GRADE AND BOTTOM OF INTERIOR FOOTINGS MINIMUM BELOW SLAB. FOOTINGS MAY BE STEPPED DOWN OR LOWERED TO REACH AN ACCEPTABLE 2000 psf BEARING STRATUM AS DETERMINED BY DIRECTOR'S REPRESENTATIVE.
5. ELEVATIONS OF BOTTOM OF FOOTINGS ARE FOR ESTIMATING PURPOSES AND WILL BE ADJUSTED TO REQUIRED BEARING STRATA AS DETERMINED UPON EXCAVATION.
6. SOIL BEARING SURFACES PREVIOUSLY ACCEPTED BY DIRECTOR'S REPRESENTATIVE WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF DIRECTOR'S REPRESENTATIVE.
7. WHERE FOOTINGS ARE LOWERED IN ELEVATION DUE TO SOIL CONDITIONS, LOWER ADJACENT FOOTINGS IN ELEVATION IN ORDER THAT RATIO OF CLEAR DISTANCE BETWEEN NEAREST EDGE OF FOOTINGS TO DIFFERENCE IN ELEVATION BETWEEN BOTTOMS OF FOOTINGS SHALL NOT EXCEED 2H:1V.
8. DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND.
9. DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
10. CENTER FOOTINGS UNDER WALLS, PIERS, OR COLUMNS UNLESS NOTED OTHERWISE. USE SIDE FORMS FOR FOOTINGS.
11. WHERE REQUIRED, STEP NEW FOOTINGS UP OR DOWN IN RATIO OF TWO HORIZONTAL TO ONE VERTICAL TO JOIN EXISTING FOOTINGS.
12. CONCRETE WALLS SHALL ATTAIN A MINIMUM STRENGTH OF 70% f'c BEFORE PLACING BACKFILL AGAINST THEM.
13. ELEVATOR WALLS THAT ARE TO BE BACKFILLED ON ONE SIDE ONLY SHALL BE BRACED UNTIL TOP SLAB IS IN PLACE AND CURED.

CAST-IN-PLACE CONCRETE NOTES (FOUNDATION)

1. REINFORCE CONCRETE ELEMENTS INCLUDING FOOTING, WALLS, PIERS, AND SLABS. REINFORCEMENT SHOWN PERTAINS TO TYPICAL CONDITIONS.
2. LAP SPLICE CONCRETE REINFORCEMENT AS INDICATED IN THE CONCRETE REINFORCEMENT LAP SPLICE SCHEDULE, UNLESS NOTED OTHERWISE.
3. LAP CONTINUOUS FOOTING AND HORIZONTAL WALL REINFORCEMENT WITH A CLASS B LAP SPLICE UNLESS NOTED OTHERWISE.
4. PROVIDE CORNER BARS IN FOOTINGS, THE SAME SIZE AND NUMBER AS CONTINUOUS REINFORCEMENT. PROVIDE CLASS B LAP SPLICE WITH MAIN REINFORCEMENT, BUT NOT LESS THAN 2'-0".
5. EXTEND REINFORCEMENT IN WALL FOOTING BETWEEN COLUMNS INTO COLUMN FOOTINGS WITH A MINIMUM EMBEDMENT EQUAL TO THE MINIMUM BAR DEVELOPMENT LENGTH.
6. PLACE TRANSVERSE REINFORCEMENT IN CONTINUOUS FOOTINGS WHERE SHOWN IN BOTTOM LAYER.
7. CAST STEPPED FOOTINGS MONOLITHICALLY.
8. DOWEL CONCRETE WALLS AND PIERS INTO FOOTINGS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3 INCHES OF BOTTOM OF FOOTING, TERMINATED WITH A.C.I. STANDARD 90 DEGREE HOOK. PROVIDE CLASS B LAP SPLICE WITH VERTICAL REINFORCEMENT UNLESS NOTED OTHERWISE.
9. AT INTERSECTIONS OF CONCRETE WALLS, PROVIDE CORNER BARS IN OUTER LAYER THE SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT AND PROVIDE A CLASS B LAP SPLICE WITH MAIN REINFORCEMENT, BUT NOT LESS THAN 2'-0". AT "T" INTERSECTIONS, PROVIDE CORNER BARS FROM EACH LAYER IN INTERSECTING WALL TO OUTER LAYER OF THROUGH WALL.
10. PROVIDE KEYS IN CONCRETE WALLS, AND FOOTINGS AT VERTICAL CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE. KEYS SHALL BE 1 1/2 INCHES DEEP AND THE WIDTH OF THE KEY SHALL BE ONE-THIRD THE WALL THICKNESS AND CENTERED WITHIN THE WALL.
11. CAST CONCRETE PIERS IN CONCRETE WALLS MONOLITHICALLY WITH WALLS.
12. ALIGN FOUNDATION WALL CONSTRUCTION JOINTS WITH MASONRY WALL CONTROL JOINTS.
13. VERIFY SIZE AND LOCATION OF MECHANICAL OPENINGS.
14. PIPING, CONDUIT, AND DUCT PENETRATIONS THROUGH STRUCTURAL SLABS, AND WALLS SHALL BE SLEEVED OR CHASED. NO CORE-DRILLING OF SLABS OR WALLS IS PERMITTED. PENETRATIONS ARE NOT PERMITTED THROUGH COLUMNS, PIERS, BEAMS, GRADE BEAMS, AND JOISTS.
15. MINIMUM BAR DEVELOPMENT LENGTH EQUALS CLASS A LAP LENGTH.
16. CHAMFER EXPOSED CONCRETE CORNERS AND EDGES 3/4 INCH UNLESS NOTED OTHERWISE.
17. CONCRETE COVER FOR REINFORCEMENT SHALL BE AS INDICATED IN THE CONCRETE COVER SCHEDULE.

CONCRETE REINFORCEMENT LAP SPLICE SCHEDULE
F'c = 3,000 psi, Fy = 60,000 psi

BAR LAP LENGTHS, UNCOATED BARS				
BAR SIZE	MINIMUM CLEAR COVER (INCH)	MINIMUM SPACING CENTER/CENTER (INCH)	CLASS B LAP NOT A TOP BAR (INCH)	CLASS B LAP TOP BAR (INCH)
#4	1 1/2	3 1/2	18	23 1
#5	1 1/2	3 5/8	22	28
#6	2	4 3/4	26	34

NOTES FOR SCHEDULE:
1. USE VALUES FOR "CLASS B LAP TOP BAR" FOR ALL HORIZONTAL REINFORCEMENT HAVING 12 INCHES OR MORE FRESH CONCRETE BELOW REINFORCEMENT BAR. ALL OTHER CONDITIONS MAY USE "CLASS B LAP" SPLICE LENGTHS.
2. BAR DEVELOPMENT LENGTH MAY BE OBTAINED BY DIVIDING APPLICABLE LAP SPLICE LENGTH BY 1.3. MINIMUM BAR DEVELOPMENT LENGTH IS 12 INCHES.
3. CONTACT DIRECTOR'S REPRESENTATIVE FOR REQUIRED SPLICE LENGTH WHERE BAR COVER OR SPACING IS LESS THAN TABULATED VALUES

CONCRETE COVER SCHEDULE

LOCATION	COVER
CONCRETE CAST AGAINST EARTH:	3"
SURFACES EXPOSED TO WEATHER OR EARTH (INCLUDING SURFACES OF FOUNDATION WALLSCOVERED WITH WATERPROOFING MEMBRANE AND/OR INSULATION:	
BARS LARGER THAN #5	2"
#5 BARS OR SMALLER	1 1/2"
SURFACES NOT EXPOSED TO WEATHER OR EARTH:	
SLABS AND WALLS	3/4"
PIERS	1 1/2"
BETWEEN BARS AND EMBEDDED ITEMS:	
IN CONCRETE ELEMENTS EXPOSED TO WEATHER OR EARTH	1 1/2"
IN CONCRETE ELEMENTS NOT EXPOSED TO WEATHER OR EARTH	3/4"

SLAB ON GRADE NOTES

1. SUBGRADE BELOW SLAB ON GRADE SHALL BE REVIEWED AND ACCEPTED BY DIRECTOR'S REPRESENTATIVE BEFORE CONCRETE SLAB PLACEMENT.
2. PROVIDE PROTECTION FROM PRECIPITATION AND EXCESSIVE COLD TEMPERATURES FOR THE VAPOR RETARDER AND SLAB SUBBASE PRIOR TO SLAB-ON-GRADE PLACEMENT. SUBBASE MUST BE DRY AND NOT FROZEN AT THE TIME OF SLAB PLACEMENT.
3. DO NOT PLACE SLABS ON FROZEN GROUND. IF SUBGRADE OR SUBBASE ARE FROZEN AFTER PREPARATION, THEY SHALL BE THAWED THEN RECOMPACTED AND RETESTED FOR COMPACTION PRIOR TO SLAB PLACEMENT, AT THE EXPENSE OF THE CONTRACTOR.
4. PROVIDE PROTECTION FOR THE SLAB ON GRADE FROM DIRECT EXPOSURE TO THE SUN, WIND, PRECIPITATION, AND EXCESSIVE COLD OR HOT TEMPERATURES STARTING DURING PLACEMENT AND LASTING UNTIL THE END OF THE CURING PERIOD. DO NOT ALLOW GROUND BENEATH SLABS TO FREEZE.
5. PRIOR TO SLAB PLACEMENT, SUBMIT FOR INFORMATION ONLY A WRITTEN PROTECTION PROGRAM FOR THE VAPOR RETARDER, SLAB SUBBASE, AND SLAB ON GRADE.
6. SLAB JOINTS ARE REQUIRED WHERE SHOWN IN PLAN. WHERE JOINTS ARE NOT SHOWN, SEE "OPTION FOR SLAB PLACEMENT" IN DIVISION 3 SPECIFICATIONS. SUBMIT JOINT LAYOUT TO THE DIRECTOR'S REPRESENTATIVE FOR REVIEW.
7. PROVIDE A SQUARE EDGE FORM JOINT FOR CONSTRUCTION JOINTS AND A SAW-CUT JOINT FOR CONTRACTION JOINTS IN SLABS ON GRADE. CONTINUE 50 PERCENT OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS.
8. REINFORCE SLABS AS NOTED IN DRAWINGS. AT PERIMETER OF SLABS, LOCATE REINFORCING 3 INCHES FROM SLAB EDGES.
9. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLAB ON GRADE.
10. VERIFY SIZE AND LOCATION OF PLATFORMS, CURBS, OR PADS WITH MECHANICAL CONTRACTOR.
11. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

STRUCTURAL STEEL NOTES

1. DO NOT BEGIN STEEL ERECTION UNTIL SUPPORTING MASONRY OR CONCRETE OBTAINS 75 PERCENT OF THE MATERIAL STRENGTHS NOTED IN DESIGN DATA NOTES.
2. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED IN STRUCTURAL DRAWINGS.
3. STEEL BEAMS BEARING ON MASONRY SHALL HAVE A MINIMUM OF 6 INCHES OF BEARING. PROVIDE BEARING PLATES WITH A MINIMUM 1/2" THICKNESS WITH WALL ANCHORS UNLESS NOTED OTHERWISE. 1
4. WHERE MASONRY WALLS RUN PAST STEEL BEAM, WELD MASONRY ANCHORS TO BEAM WEBS 4 FEET ON-CENTER, UNLESS NOTED OTHERWISE.
5. STEEL FLOOR STRUCTURE WILL DEFLECT UNDER WEIGHT OF WET CONCRETE. PLACE A VARYING THICKNESS CONCRETE SLAB TO MAINTAIN REQUIRED FINISHED FLOOR ELEVATION.
6. DO NOT USE EXTERIOR BEAM SCREEDS TO LEVEL SLABS; EXTERIOR BEAM WILL DEFLECT UNDER THE WEIGHT OF THE CONCRETE.
7. WHERE FILLET WELD SIZES ARE NOT SPECIFICALLY NOTED, THE FABRICATOR SHALL DETAIL A MINIMUM SIZE FILLET WELD IN ACCORDANCE WITH AWS STANDARDS OR AS REQUIRED TO PROVIDE REQUIRED CONNECTION CAPACITY FOR DELEGATED CONNECTION DESIGN. THE ACTUAL SIZES SHALL BE SHOWN IN THE SHOP DRAWINGS.
8. WHERE DETAILS SHOW CONTINUOUS PLATES OR ANGLES ATTACHED TO BEAMS, EXTEND THE PLATES OR ANGLES PAST COLUMNS. MITER AND WELD AT EXTERIOR CORNERS OR PROVIDE ADDITIONAL SUPPORT ON THE COLUMNS. DETAIL PLATES OR ANGLES TO PROVIDE 1/2-INCH GAP AT INTERIOR CORNERS AND AT COLUMNS OTHER THAN AT EXTERIOR CORNERS.
9. PROVIDE HOT-DIP GALVANIZED FASTENERS FOR GALVANIZED FRAMING CONNECTIONS AND STAINLESS-STEEL FASTENERS FOR STAINLESS STEEL FRAMING CONNECTIONS.
10. GALVANIZING WHERE NOTED IN THE DRAWINGS SHALL BE HOT-DIP GALVANIZING IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

COMPOSITE CONSTRUCTION NOTES

1. CLEAN WELD FLUX AND WELDING FERRULES FROM SHEAR CONNECTORS BEFORE PLACING CONCRETE AND REMOVE WELD FERRULE DEBRIS FROM METAL DECK BEFORE PLACING CONCRETE.
2. METAL DECK AS A FORM HAS BEEN DESIGNED TO SUPPORT DEAD LOAD AS INDICATED IN THE DESIGN DATA NOTES PLUS MINIMUM 20 PSF UNIFORM LIVE LOAD OR 150 POUNDS CONCENTRATED LIVE LOAD ON A 1-FOOT WIDTH. VERIFY THE ADEQUACY OF THE METAL DECK AS A FORM FOR THE PROPOSED MEANS AND METHOD OF CONCRETE PLACEMENT OPERATIONS. IF PROPOSED MEANS AND METHOD RESULT IN HIGHER CONSTRUCTION LIVE LOAD (SUCH AS BULK DUMPING OF CONCRETE OR HEAVY MOTORIZED FINISHING EQUIPMENT), INCREASE LIVE LOAD CAPACITY (SUCH AS BY SHORING METAL DECK OR USING METAL DECK THAT HAS HIGHER CAPACITY). LIMIT DEFLECTION OF METAL DECK AS A FORM TO THE LESSER OF 1/180 OF THE CLEAR SPAN OR 3/4-INCH.
3. DO NOT SUSPEND CONCENTRATED LOADS IN EXCESS OF 50 POUNDS EACH FROM COMPOSITE SLABS ON METAL DECK.
4. PROVIDE TWO #5 BARS, 6 FEET LONG, AT CORNERS AND AT OPENINGS IN SLAB LARGER THAN 2 FEET SQUARE. PROVIDE ONE #5 BAR, 4 FEET LONG, AT OPENINGS SMALLER THAN 2 FEET SQUARE.
5. FRAME OPENINGS IN SLABS 2 FEET SQUARE OR LARGER WITH A STRUCTURAL STEEL MEMBER ON ALL SIDES EXCEPT WHERE A SIDE MAY BE WITHIN 1 FOOT OF ANOTHER FRAMING MEMBER. OPENING SMALLER THAN 2 FEET SQUARE SHALL HAVE ADDITIONAL POSITIVE REINFORCEMENT (TWO #5 BOTTOM, ALL FOUR SIDES). OPENINGS SMALLER THAN 1 FOOT SQUARE REQUIRE NO ADDITIONAL REINFORCEMENT OR FRAMING. FRAME OPENINGS WITH C8x11.5 UNLESS OTHERWISE NOTED.
6. SUBMIT SLAB POUR SEQUENCE AND PROPOSED JOINT LAYOUT FOR SLAB POURS FOR REVIEW PRIOR TO SLAB PLACEMENT.
7. DO NOT APPLY PAINT TO TOP FLANGES OF BEAMS OR GIRDERS THAT RECEIVE SHEAR CONNECTORS.
8. PROVIDE SUPPORT FOR METAL DECK AT INTERIOR COLUMN LOCATIONS.

STRUCTURAL OBSERVATION NOTES

1. THE REGISTERED DESIGN PROFESSIONAL WILL MAKE VISITS TO THE SITE AT APPROPRIATE INTERVALS FOR THE PURPOSE OF OBSERVING THE CONSTRUCTION FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE FOLLOWING LIST INCLUDES SOME APPROPRIATE TIMES FOR VISITING THE SITE. NOTIFY THE REGISTERED DESIGN PROFESSIONAL AT LEAST 48 HOURS PRIOR TO PERFORMING THESE ACTIVITIES SO THAT SITE VISITS CAN BE SCHEDULED.
   - INITIAL PLACEMENT OF REINFORCING BARS FOR FOOTINGS, FOUNDATION WALLS, AND PIERS (AFTER EXCAVATION AND PRIOR TO CLOSING OF FORMS).
   - INITIAL ERECTION OF STRUCTURAL STEEL AND METAL DECK (PRIOR TO PLACEMENT OF SLABS).
   - SLAB PRE-CONSTRUCTION MEETING (SEE DIVISION 3 SPECIFICATIONS).
   - INITIAL PLACEMENT OF REINFORCING BARS AND PREPARATIONS FOR SLAB ON DECK.
   - INITIAL PLACEMENT OF REINFORCING BARS AND PREPARATIONS FOR SLAB ON GRADE (INCLUDING VAPOR RETARDER AND SUBBASE).
   - CONSTRUCTION OF THE MASONRY SAMPLE PANEL. NOTIFY DIRECTOR'S REPRESENTATIVE SO THAT ONE OR BOTH CAN BE PRESENT TO OBSERVE THE CONSTRUCTION OF THE PANEL. REVIEW OF THE SAMPLE PANEL AFTER IT HAS BEEN CONSTRUCTED IN NOT ACCEPTABLE.
   - INITIAL PLACEMENT OF REINFORCING BARS AND GROUTING OF CONCRETE MASONRY WALLS.
   - COMPLETION OF THE MAIN LATERAL FORCE RESISTING SYSTEM.
   - COMPLETION OF THE STRUCTURAL SYSTEM.
   - OTHER TIMES AS REQUIRED DUE TO FIELD CONDITIONS OR SPECIAL CONSTRUCTION TYPES.
2. THE REGISTERED DESIGN PROFESSIONAL MAY VISIT THE SITE AT TIME OTHER THAN THOSE LISTED IN NOTE 1.
3. THE REGISTERED DESIGN PROFESSIONAL WILL PREPARE A FIELD OBSERVATION REPORT FOR EACH SITE VISIT MADE TO OBSERVE CONSTRUCTION. PART II OF EACH REPORT IS FOR CONTRACTOR VERIFICATION AND IS MANDATORY. PART II MUST BE COMPLETED (SIGNED BY THE CONTRACTOR VERIFYING THAT THE REQUIRED ACTION WAS TAKEN AND LISTING THE DATE COMPLETED) AND RETURNED TO THE DIRECTOR'S REPRESENTATIVE IN A TIMELY MANNER. 2
4. SPECIAL INSPECTIONS OF THE WORK ARE REQUIRED IN ACCORDANCE WITH THE 2020 BCNYS AND WILL BE PROVIDED BY THE DIRECTORS REPRESENTATIVE. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS NOTED IN THE PROJECT MANUAL.

NEW YORK STATE | Office of General Services
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bell & spina ARCHITECTS

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STATE OF NEW YORK · RYAN J. BISTOPHOS · 097476 · LICENSED PROFESSIONAL ENGINEER

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OCTOBER 31, 2026

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RENOVATE ARMORY

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DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE:
GENERAL NOTES

DRAWING NUMBER:
S-002

MASONRY LINTEL NOTES

1. COORDINATE WALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT ALL OPENINGS ARE SHOWN IN THE STRUCTURAL DRAWINGS.

2. FOR OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, INCLUDING DOORS, WINDOWS, AND MECHANICAL OPENINGS, MINIMUM LINTEL SHALL BE (FOR EACH 4 INCHES OF MASONRY WIDTH) ONE L3 1/3x3 1/2x5/16 FOR SPANS UP TO 4 FEET; ONE L4x3 1/2x5/16 (LLV) FOR SPANS UP TO 6 FEET; ONE L5x3 1/2x5/16 (LLV) FOR SPANS UP TO 8 FEET. FOR SPANS LESS THAN 2 FEET, PROVIDE A 5/16-INCH PLATE, UNLESS NOTED OTHERWISE.

   FOR 6-INCH MASONRY WALLS, USE TWO L3 1/2x2 1/2x5/16 (LLV) FOR SPANS UP TO 4 FEET AND A BUILT-UP PLATE SECTION FOR SPANS UP TO 8 FEET. BUILT-UP SECTION SHALL CONSIST OF A HORIZONTAL PLATE 5/16 INCH BY 5 INCHES AND A VERTICAL PLATE 1/2 INCH BY 5 INCHES WELDED TOGETHER WITH 3/16-INCH FILLET WELDS, 3 INCHES LONG AND 6 INCHES ON-CENTER ON EACH SIDE OF THE VERTICAL PLATE, TO FORM AN INVERTED TEE.

3. FOR OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED IN 4-INCH-THICK VENEER, INCLUDING DOORS, WINDOWS, AND MECHANICAL OPENINGS, MINIMUM LINTELS SHALL BE ONE L4x4x5/16 FOR SPANS UP TO 6 FEET AND ONE L6x4x5/16 (LLV) FOR SPANS UP TO 8 FEET. FOR SPANS LESS THAN 2 FEET, PROVIDE A 5/16-INCH PLATE.

4. WELD TOGETHER BACK-TO-BACK LINTELS. MAXIMUM WELD SPACING SHALL NOT EXCEED 18 INCHES ON-CENTER.

5. BEAR LINTELS A MINIMUM OF 8 INCHES EACH END UNLESS NOTED OTHERWISE.

6. HOT-DIP GALVANIZE LINTELS IN EXTERIOR WALLS.

7. COAT LINTELS IN EXTERIOR WALLS WITH COLD-GALVANIZING PAINT.

MASONRY NOTES

1. MASONRY WALLS SHALL HAVE 0.148 INCH (9 GAUGE) JOINT REINFORCEMENT EVERY SECOND COURSE AND TOP TWO COURSES UNLESS NOTED OTHERWISE. PROVIDE LADDER TYPE JOINT REINFORCING FOR REINFORCED MASONRY WALLS. LAP SPLICE JOINT REINFORCEMENT A MINIMUM OF 8 INCHES, TYPICALLY. USE PREFABRICATED CORNERS AND TEES.

2. PLACE JOINT REINFORCEMENT CONTINUOUSLY THROUGH PILASTERS.

3. SUBMIT PROPOSED GROUTING PROGRAM FOR GROUTING CONCRETE MASONRY WALLS. GROUTING SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF NCMA-TEK 3-2A, "GROUTING CONCRETE MASONRY WALLS." STOP GROUT 2 INCHES BELOW TOP OF BLOCK AT EACH POUR TO ENABLE AN INTERLOCK WITH NEXT POUR. GROUT CORES SOLID AT REINFORCING BARS AND ELSEWHERE AS INDICATED IN DRAWINGS.

4. FILL CORES IN HOLLOW CONCRETE MASONRY UNITS WITH GROUT THREE COURSES (24 INCHES) UNDER BEARING PLATES, BEAMS, LINTELS, POSTS, AND SIMILAR ITEMS, UNLESS OTHERWISE NOTED.

5. PROVIDE BOND BEAM AT TOPS OF WALLS, AT EACH FLOOR, AND ELSEWHERE AS DETAILED.

6. FILL BEAM POCKETS WITH MASONRY AFTER BEAM IS ERECTED.

7. NON-LOAD BEARING PARTITIONS SHALL NOT BE BUILT TIGHT TO STRUCTURE ABOVE. LEAVE GAP BETWEEN TOP OF PARTITION AND STRUCTURE, AND BRACE TOP OF PARTITION AS INDICATED IN DRAWINGS.

8. STRUCTURAL DRAWINGS DO NOT SHOW FLASHING, WEEPS, AND DRIPS; HOWEVER, THEY ARE ESSENTIAL TO MAINTAINING THE WATER TIGHTNESS OF THE BUILDING AND PROTECTION OF THE FRAMING. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILS AND INFORMATION.

9. VENEER ANCHORS, TIES, WEEPS, AND FLASHING ARE INDICATED IN THE ARCHITECTURAL DRAWINGS AND IN THE SPECIFICATIONS UNLESS DETAILED OR NOTED OTHERWISE.

REINFORCED MASONRY LINTEL NOTES

1. REINFORCED MASONRY LINTEL MATERIALS INCLUDE REINFORCED CMU.

2. COORDINATE WALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT ALL OPENINGS ARE SHOWN IN THE STRUCTURAL DRAWINGS.

3. FOR OPENINGS NOT OTHERWISE DETAILED, INCLUDING MECHANICAL OPENINGS, USE REINFORCED MASONRY LINTEL 8 INCHES DEEP FOR SPANS UP TO 4 FEET AND 16 INCHES DEEP FOR SPANS UP TO 6 FEET.

4. USE THE FOLLOWING MINIMUM REINFORCING: ONE #5 TOP AND BOTTOM FOR EACH 4 INCHES OF MASONRY WIDTH, ONE #6 TOP AND BOTTOM FOR 6-INCH CMU WALLS, AND TWO #5 TOP AND BOTTOM FOR 10-INCH CMU WALLS.

5. LOCATE REINFORCING IN REINFORCED CMU LINTELS 3/4-INCH CLEAR FROM INSIDE FACE OF FACE SHELL IN LINTELS CONTAINING MULTIPLE BARS. CENTER BAR IN LINTELS CONTAINING ONLY ONE BAR.

6. REINFORCED CMU LINTELS SHALL BE MADE OF SAME MATERIAL WITH SAME COLOR AND TEXTURE AS SURROUNDING WALLS. EXTEND REINFORCING 48 BAR DIAMETERS BEYOND OPENINGS. HOOK BAR ENDS WHERE 48 BAR DIAMETERS CANNOT BE ACHIEVED.

7. BEAR LINTELS A MINIMUM OF 8 INCHES EACH END.

8. SHORE REINFORCED MASONRY LINTELS UNTIL MASONRY WALL ABOVE LINTEL HAS CURED A MINIMUM OF 14 DAYS.

9. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

COLD WEATHER MASONRY CONSTRUCTION REQUIREMENTS

	CONSTRUCTION – BASED UPON AMBIENT TEMPERATURES	PROTECTION – BASED UPON ANTICIPATED MINIMUM DAILY TEMPERATURES
ABOVE 40°F	1. NORMAL MASONRY PROCEDURES.	1. NORMAL MASONRY PROCEDURES.
40°F - 32°F	1. HEAT MORTAR SAND OR MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40°F AND 120°F AT TIME OF MIXING. MAINTAIN MORTAR ABOVE 40°F UNTIL USED IN MASONRY. 2. KEEP GROUT AGGREGATES ABOVE 32°F.	1. COVER TOP 2 FEET OF UNFINISHED MASONRY WORK WITH A WATER-RESISTIVE MEMBRANE FOR AT LEAST 24 HOURS AND AT THE END OF EACH DAY'S WORK.
32°F – 25°F	1. HEAT MORTAR SAND AND MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40°F AND 120°F AT TIME OF MIXING. MAINTAIN MORTAR ABOVE 40°F UNTIL USED IN MASONRY. 2. HEAT GROUT AGGREGATES AND MIXING WATER TO PRODUCE GROUT TEMPERATURE BETWEEN 70°F AND 120°F AT TIME OF MIXING. 3. MAINTAIN GROUT TEMPERATURES ABOVE 70°F AT TIME OF PLACEMENT.	1. COVER TOP 2 FEET OF UNFINISHED MASONRY WORK WITH A WATER-RESISTIVE MEMBRANE FOR AT LEAST 24 HOURS AND AT THE END OF EACH DAY'S WORK.
25°F – 20°F	1. HEAT MORTAR SAND AND MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40°F AND 120°F AT TIME OF MIXING. MAINTAIN MORTAR ABOVE 40°F UNTIL USED IN MASONRY. 2. HEAT GROUT AGGREGATES AND MIXING WATER TO PRODUCE GROUT TEMPERATURE BETWEEN 70°F AND 120°F AT TIME OF MIXING. 3. MAINTAIN GROUT TEMPERATURES ABOVE 70°F AT TIME OF PLACEMENT. 4. HEAT MASONRY SURFACES UNDER CONSTRUCTION TO 40°F, USE WIND BREAKS OR ENCLOSURES WHEN WIND VELOCITY EXCEEDS 15 MPH. 5. HEAT MASONRY TO A MINIMUM OF 40°F PRIOR TO GROUTING.	1. COVER NEWLY CONSTRUCTED MASONRY (LESS THAN 48 HOURS OLD) COMPLETELY WITH WEATHER-RESISTIVE INSULATING BLANKETS, OR EQUAL PROTECTION, FOR AT LEAST 48 HOURS AFTER CONSTRUCTION OF WORK.
BELOW 20°F	1. HEAT MORTAR SAND AND MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40°F AND 120°F AT TIME OF MIXING. MAINTAIN MORTAR ABOVE 40°F UNTIL USED IN MASONRY. 2. HEAT GROUT AGGREGATES AND MIXING WATER TO PRODUCE GROUT TEMPERATURE BETWEEN 70°F AND 120°F AT TIME OF MIXING. 3. MAINTAIN GROUT TEMPERATURES ABOVE 70°F AT TIME OF PLACEMENT. 4. HEAT MASONRY SURFACES UNDER CONSTRUCTION TO 40°F, USE WIND BREAKS OR ENCLOSURES WHEN WIND VELOCITY EXCEEDS 15 MPH. 5. HEAT MASONRY TO A MINIMUM OF 40°F PRIOR TO GROUTING. 6. PROVIDE AN ENCLOSURE AND AUXILIARY HEAT TO MAINTAIN AIR TEMPERATURE ABOVE 40°F IN ENCLOSURE.	1. COVER NEWLY CONSTRUCTED MASONRY (LESS THAN 48 HOURS OLD) COMPLETELY WITH WEATHER-RESISTIVE INSULATING BLANKETS, OR EQUAL PROTECTION, FOR AT LEAST 48 HOURS AFTER CONSTRUCTION OF WORK. 2. MAINTAIN NEWLY CONSTRUCTED MASONRY (LESS THAN 48 HOURS OLD) ABOVE 32°F FOR AT LEAST 48 HOURS AFTER BEING CONSTRUCTED USING HEATED ENCLOSURES OR OTHER ACCEPTABLE METHODS. 3. PROVIDE HIGH-LOW RECORDING THERMOMETERS TO DOCUMENT TEMPERATURES OF MASONRY.

NOTES:

1. DO NOT LAY MASONRY UNITS HAVING EITHER A TEMPERATURE BELOW 40°F OR CONTAINING FROZEN MOISTURE, VISIBLE ICE, OR SNOW ON THEIR SURFACE.
2. REMOVE VISIBLE ICE AND SNOW FROM THE TOP SURFACE OF EXISTING FOUNDATIONS AND MASONRY TO RECEIVE NEW CONSTRUCTION. HEAT THESE SURFACES ABOVE FREEZING USING METHODS THAT DO NOT RESULT IN DAMAGE.

MASONRY REINFORCEMENT LAP SPLICE SCHEDULE

BAR LAP LENGTHS IN CMU WITH f'm = 2,000 psi			
LOCATION	**#4**	**#5**	**#6**
(1) BAR AT CENTER OF 8" CMU CORE OR BOND BEAM	18"	22"	38"
(2) BARS IN 8" CMU BOND BEAM (SEE NOTE BELOW)	22"	35"	64"

NOTE:
LOCATE REINFORCING BARS 3/4-INCH CLEAR FROM INSIDE FACE OF FACE SHELL (EXCEPT CENTER REINFORCING IN BOND BEAMS DETAILED TO HAVE ONLY ONE BAR).

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RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK · JOHN CHRISTOPHER HILL · LICENSED PROFESSIONAL ENGINEER · 075879

EXPIRATION DATE:
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CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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SHEET TITLE:
GENERAL NOTES CONTINUED

DRAWING NUMBER:
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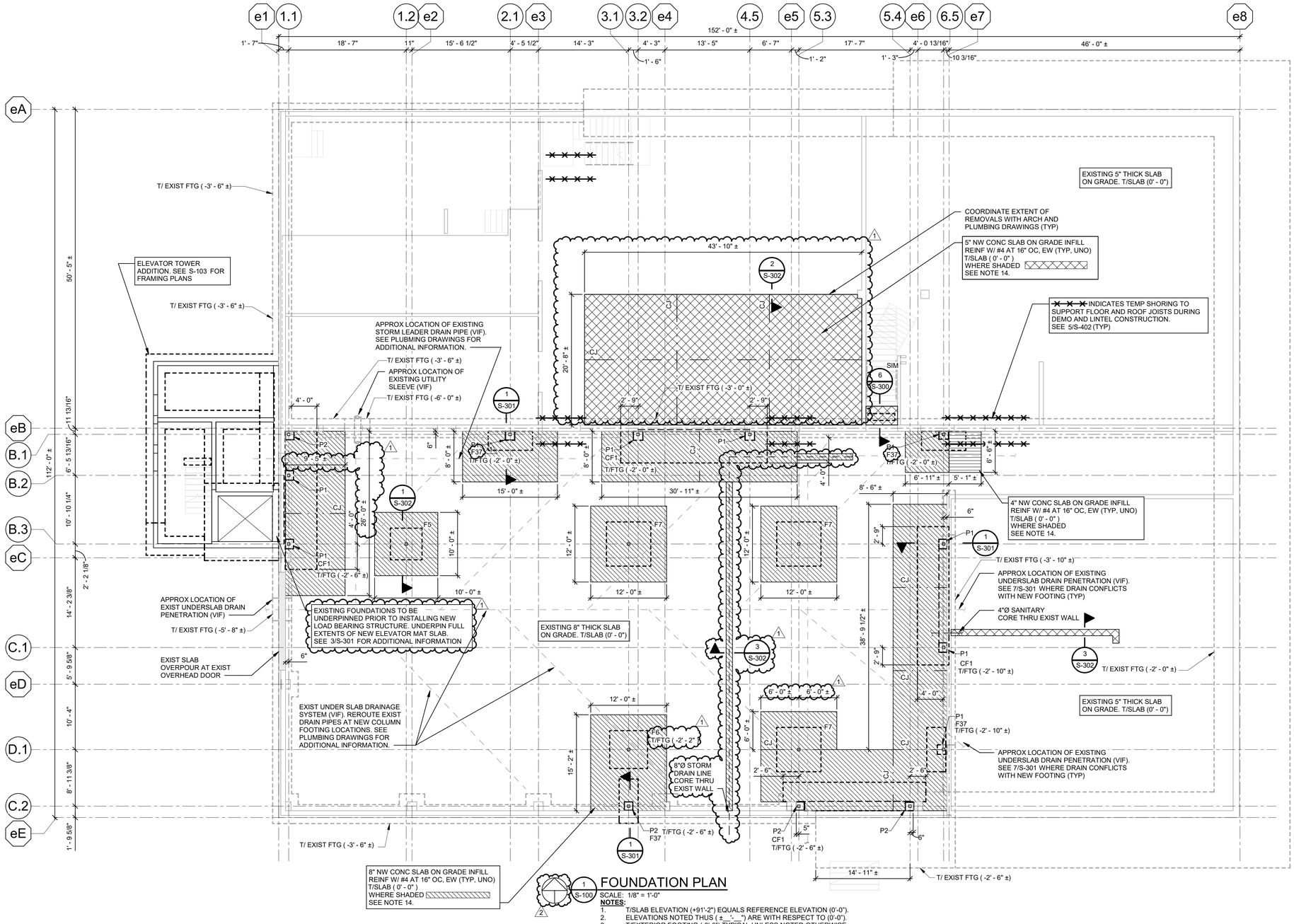
SHEET 22 OF 198



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. T/SLAB ELEVATION (+91'-2") EQUALS REFERENCE ELEVATION (0'-0").
2. ELEVATIONS NOTED THUS (± _' _") ARE WITH RESPECT TO (0'-0").
3. T/EXTERIOR FOOTING (-3'-6") TYPICAL UNLESS NOTED OTHERWISE.
   T/INTERIOR FOOTING (-1'-6") TYPICAL UNLESS NOTED OTHERWISE.
   F__ - INDICATES FOOTING TYPE. SEE COLUMN FOOTING SCHEDULE ON THIS SHEET.
4. CF__ - INCIATES COMBINED FOOTING. SEE 1/S-301 AND 2/S-301 FOR SIZE AND REINORCEMENT.
5. T/WALL ELEVATION (0'-0") TYPICAL UNLESS NOTED OTHERWISE.
6. T/PIER ELEVATION (-1'-0") TYPICAL UNLESS NOTED OTHERWISE.
   P__ - INDICATES PIER TYPE. SEE S-302 FOR PIER DETAILS.
7. SEE 9/S-300 FOR WALL REINFORCING AT CORNERS AND INTERSECTIONS.
8. CJ - INDICATES CONSTRUCTION OR CONTRACTION JOINT LOCATION. SEE 3/S-300 AND 4/S-300 FOR TYPICAL SLAB-ON-GRADE CONSTRUCTION AND CONTRACTION JOINT.
9. THICKEN SLAB UNDER STAIRS STRINGERS AS SHOWN IN 6/S-300. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
10. DRILL AND ADHESIVE ANCHOR WALL AND FOOTING REINFORCING 8" INTO EXISTING FOUNDATIONS (TYPICAL, UNLESS NOTED OTHERWISE, FOR ALL LOCATIONS WHERE NEW FOUNDATIONS INTERFACE WITH EXISTING).
11. SLEEVE OPENINGS THROUGH WALLS AND SLABS AT PIPING AND CONDUIT; DO NOT CORE. COORDINATE SLEEVE SIZES, QUANTITIES, AND LOCATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. NOT ALL LOCATIONS ARE SHOWN IN THE STRUCTURAL DRAWINGS.
12. SEE 11/S-300 WHERE WALL OPENING INTERRUPTS TWO OR LESS VERTICAL OR HORIZONTAL WALL REINFORCING.
13. PROVIDE (1) #4x4'-0" LONG DIAGONAL BAR AT REENTRANT CORNERS AND OPENINGS IN SLAB ON GRADE.
14. SLAB ON GRADE INFILL AREAS ARE BASED ON ASSUMED 1:1 EXCAVATION CUT BACK. THIS CUT IS NOT INTENDED TO ADDRESS OSHA EXCAVATION SAFETY REQUIREMENTS.
15. SEE S001-S003 FOR ADDITIONAL NOTES.

COLUMN FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	BOTTOM REINFORCEMENT	TOP REINFORCEMENT
F5	5' - 0"	5' - 0"	1' - 6"	(6)-#6 EW	NA
F6	6' - 0"	6' - 0"	1' - 6"	(7)-#6 EW	NA
F7	7' - 0"	7' - 0"	1' - 6"	(8)-#6 EW	NA
F37	7' - 0"	3' - 0"	SEE 1/S301	SEE 1/S301	SEE 1/S301

FOUNDATION LEGEND

LO / HI	- INDICATES FOOTING STEP LOCATION AND T/FOOTING ELEVATION. SEE DETAIL 8/S-300.
LO / HI	- INDICATES WALL STEP LOCATION AND T/WALL ELEVATION.
	- INDICATES SLAB OVERPOURS WALL. T/WALL IS 8 INCHES BELOW T/SLAB TYPICAL, UNLESS NOTED OTHERWISE. SEE FOUNDATION DETAILS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
	- INDICATES APPROXIMATE SLAB REMOVAL AND INFILL AREAS. SEE NOTE 14

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STATE OF NEW YORK | RYAN CHRISTOPHER BIGGS | LICENSED PROFESSIONAL ENGINEER | 071987

EXPIRATION DATE:
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CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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FIELD CHECK:
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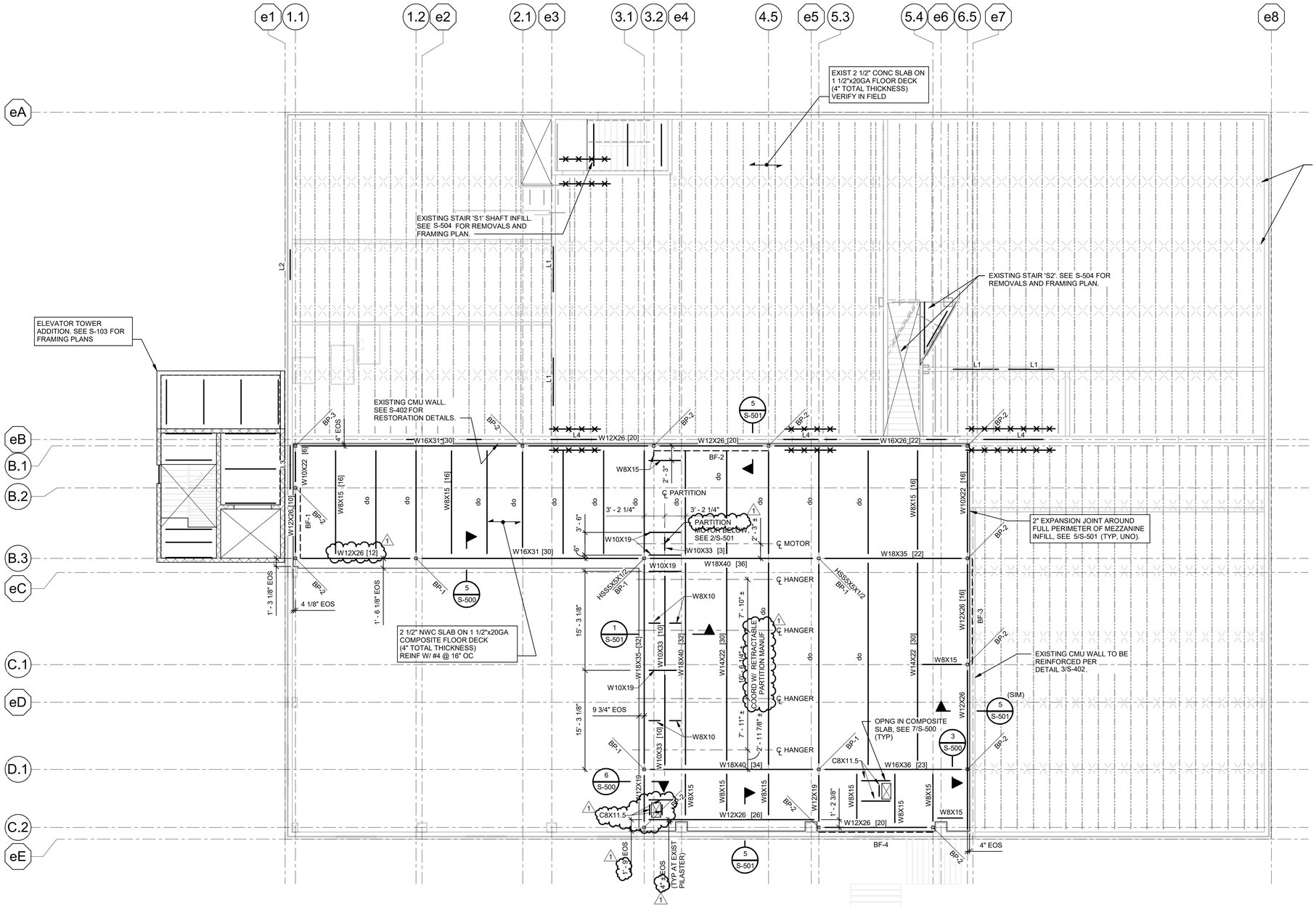
SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S-100

SHEET 23 OF 198



2ND FLOOR FRAMING PLAN

1 / S-101

SCALE: 1/8" = 1'-0"

NOTES:

1. T/STEEL (B/DECK) ELEVATION (+11'-0") ABOVE REFERENCE ELEVATION (0'-0") UNLESS NOTED OTHERWISE.
2. COLUMNS ARE HSS5x5x3/8 UNLESS NOTED OTHERWISE.
3. EQUALLY SPACE FLOOR BEAMS BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
4. BP__ - INDICATES COLUMN BASE PLATE. SEE S-302 FOR DETAILS.
5. BF__ - INDICATES STEEL BRACING FRAME. SEE S-200 FOR ELEVATIONS AND DETAILS.
6. EOS – INDICATES EDGE OF SLAB. VERIFY EXISTING CONDITIONS AND ADJUST SLAB EDGE AS REQUIRED TO MAINTAIN 2" EJ BETWEEN MEZZANINE FRAMING AND EXISTING STRUCTURE.
7. SEE 1/S-500 AND 4/S-500 FOR COMPOSITE SLAB, CONSTRUCTION AND CONTRACTION JOINT DETAILS.
8. SLAB ON METAL DECK HAS BEEN DESIGNED WITH A MAXIMUM UNSHORED SPAN OF 8'-7" USING A MINIMUM OF A 2-SPAN CONDITION. SINGLE PLAN DECK IS NOT PERMITTED UNLESS NOTED IN PLAN. PROVIDE MINIMUM DECK GAUGE SHOWN AND VERIFY UNSHORED SPAN PRIOR TO SUBMITTING SHOP DRAWINGS.
9. L__ -INDICATES STEEL LINTEL. SEE ELEVATION ON S-201 FOR ADDITIONAL LOCATIONS. SEE DETAILS 9/S-401 - 13/S-401. SEE S-003 FOR LINTEL NOTES. NOT ALL LINTELS IN WALLS ARE SHOWN.
10. SEE 1/S-400 FOR MASONRY WALL REINFORCING REQUIREMENTS.
11. COORDINATE FLOOR OPENING SIZE AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. SEE 2/S-500 FOR DETAIL.
12. SEE S001-S003 FOR ADDITIONAL NOTES.
13. SEE THIS SHEET FOR STEEL BEAM LEGEND.

STEEL BEAM LEGEND

QUANTITY OF UNIFORMLY SPACED 3/4"Øx3"LG STEEL HEADED STUD ANCHORS

BEAM SIZE ("do" INDICATES SAME AS ADJACENT, PARALLEL BEAM)

END SHEAR REACTION (SEE NOTE 4) — _k

END AXIAL REACTION — A=__k, M=__k-FT

W14x22 [ ] <c>*__> (±)

UPWARD CAMBER AT MID-SPAN

T/STEEL ELEVATION (IF DIFFERENT THAN NOTED ON FRAMING PLAN)

MOMENT CONNECTION — A=__k

MOMENT REACTION — M=__k-FT

NOTES:

1. DO NOT CAMBER BEAMS UNLESS A VALUE FOR CAMBER IS SPECIFIED.
2. REFER TO THE SPECIFICATION FOR CONNECTION DESIGN CRITERIA WHERE LOADS AND MOMENTS ARE NOT SHOWN.
3. LOADS AND MOMENTS ARE ASD ALLOWABLE STRESS DESIGN.
4. SHEAR REACTIONS ARE THE SAME AT EACH END OF THE BEAM, UNLESS NOTED OTHERWISE. WHERE REACTION IS NOT SHOWN, SEE SCHEDULE ON THIS SHEET.

BEAM SHEAR REACTIONS

BEAM SIZE	SHEAR REACTION KIPS (ASD)
W8X10	15
W8X15	15
W10X19	15
W10X33	15
W12X19	15
W12X22	15
W12X26	20
W14X22	20
W16X26	25
W16X31	30
W16X36	30
W18X35	35
W18X40	40

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STATE OF NEW YORK — JOHN CHRISTOPHER PRATT — 071287 — LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT: CONSTRUCTION

TITLE: RENOVATE ARMORY

LOCATION: NY NATIONAL GUARD ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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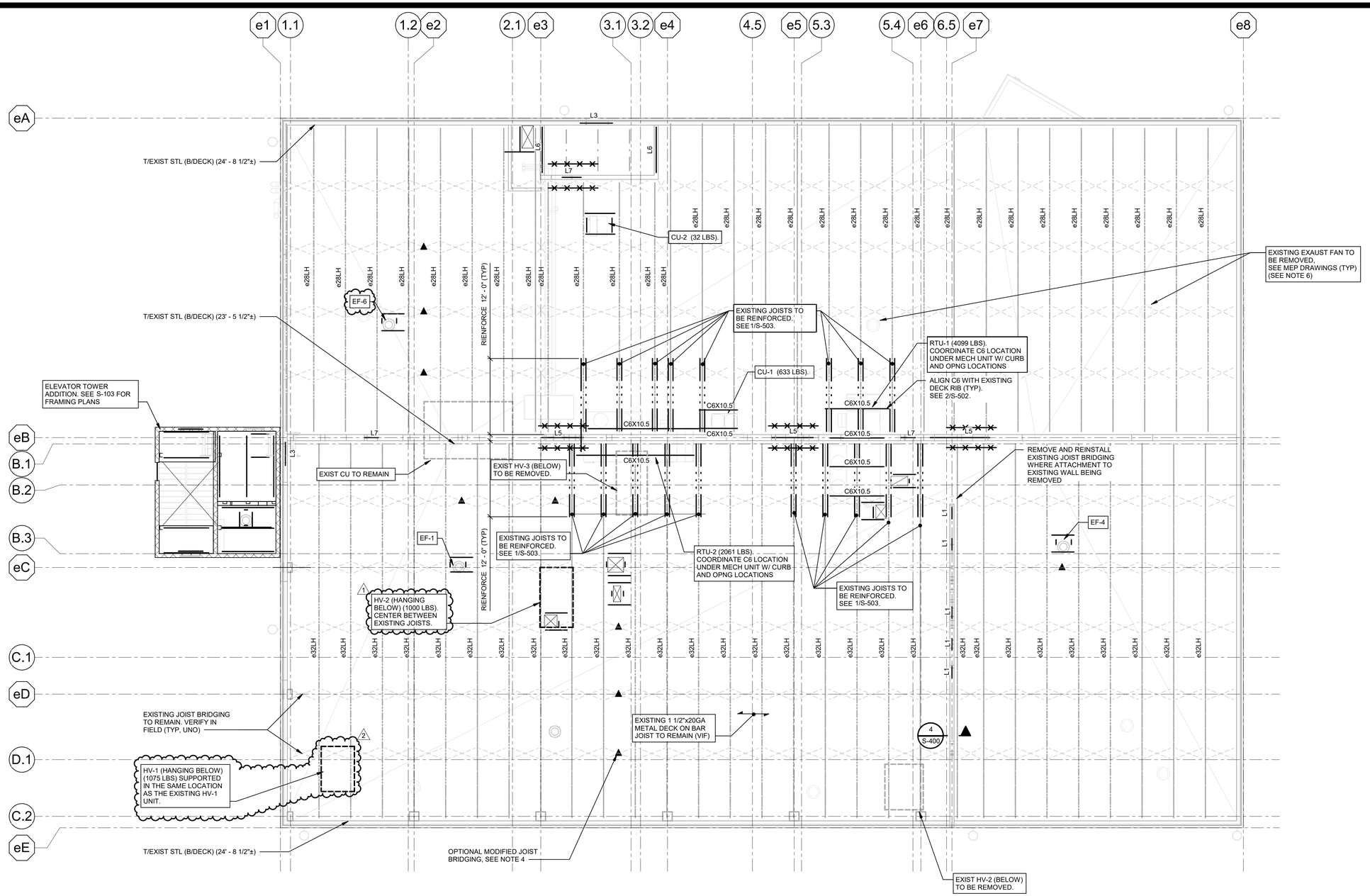
DRAWN BY: RJM

FIELD CHECK:

APPROVED: JCH

SHEET TITLE: SECOND FLOOR FRAMING PLAN

DRAWING NUMBER: **S-101**



ROOF FRAMING PLAN

1 / S-102

SCALE: 1/8" = 1'-0"

NOTES:

1. T/STEEL (B/DECK) ELEVATION VARIES. SEE PLAN FOR EXISTING ELEVATIONS TO BE VERIFIED IN THE FIELD.
2. EF –INDICATES EXHAUST FAN, RD –INDICATES ROOF DRAIN, HV- INDICATES AIR HANDLER, RV – INDICATES ROOF VENT, RTU - INDICATES ROOF TOP UNIT. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE ROOF OPENING ANGLE FRAME AT ROOF DRAINS AND OTHER OPENINGS WIDER THAN 12 INCHES. SEE 1/S-502. REFER TO THE SPECIFICATIONS FOR DECK REINFORCEMENT AT OPENINGS NOT SUPPORTED BY STEEL FRAMING.
3. NOTIFY DIRECTOR'S REPRESENTATIVE IF ACTUAL WEIGHTS OF MEP EQUIPMENT EXCEED WEIGHTS NOTED IN DRAWINGS. SUBMIT LOAD DATA TO DIRECTOR'S REPRESENTATIVEFOR REVIEW PRIOR TO PROCEEDING WITH INSTALLATION OF EQUIPMENT AND ANY ASSOCIATED STRUCTURAL SUPPORTS. COORDINATE EXACT LOCATIONS OF EQUIPMENT (INCLUDING HOUSEKEEPING PADS, RAILS, STRUCTURAL FRAMING, ETC.) WITH MECHANICAL DRAWINGS AND EQUIPMENT SUPPLIERS.
4. ▲ - INDICATES OPTIONAL JOIST BRIDGING MODIFICATION DETAIL. SEE 5/S-502.
5. PATCH ALL EXISTING ROOF DECK OPENINGS WITH NEW METAL DECK MATCHING EXISTING DECK IN KIND. ALIGN FLUTES AND LAP EXISTING DECK 6" MINIMUM AND FASTEN TO EXISTING DECK USING #10 SIDE LAP SCREWS AT 16" OC MAX.
6. SEE S101 FOR ADDITIONAL NOTES.
7. SEE S101 FOR STEEL BEAM LEGEND.

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LOCATION: NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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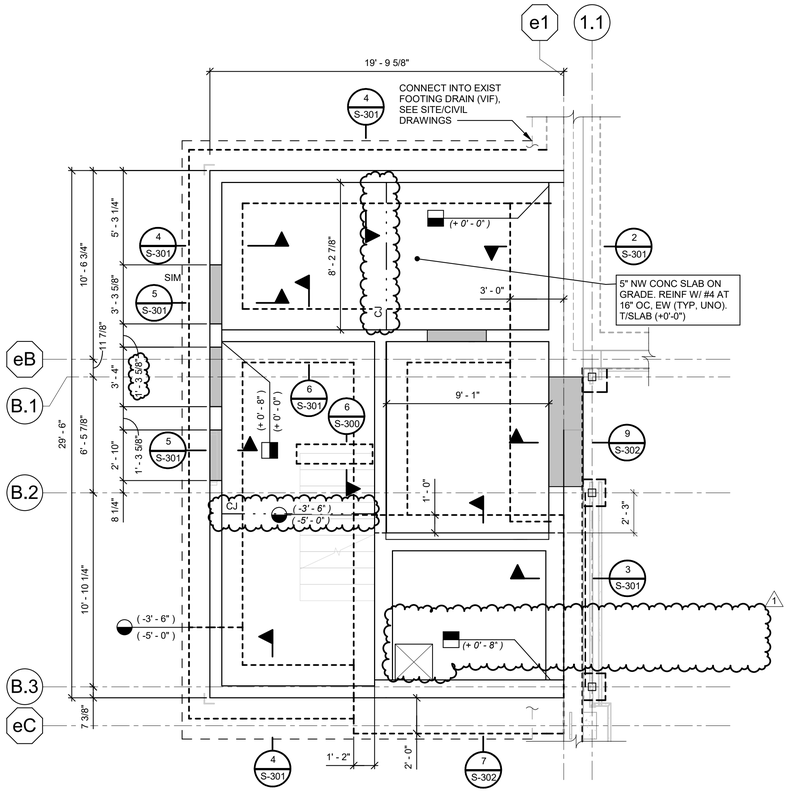
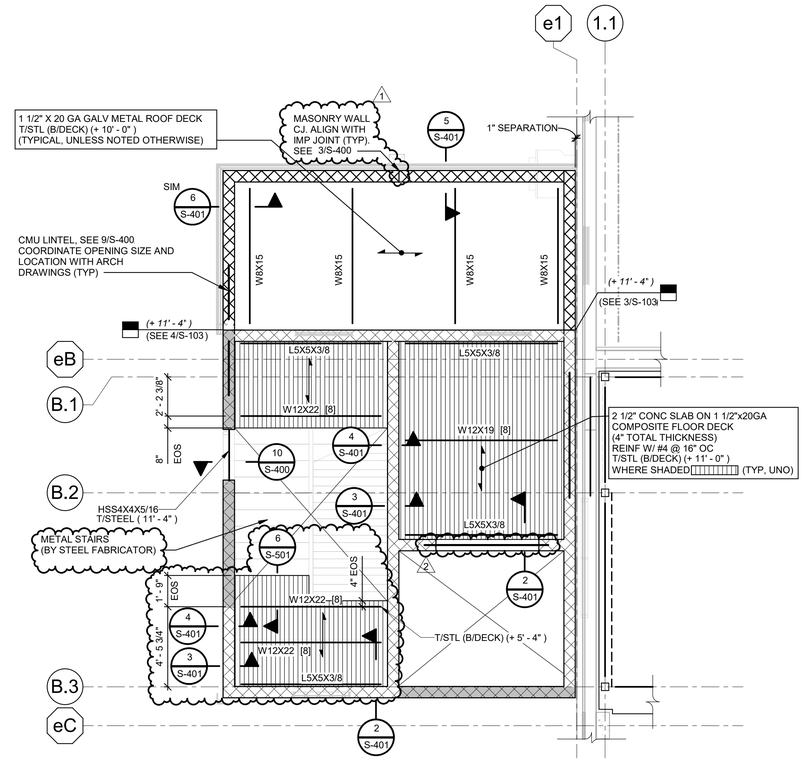


1 S-103 ELEVATOR TOWER FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NOTE:

SEE S-100 FOR ADDITIONAL NOTES AND FOUNDATION LEGEND.

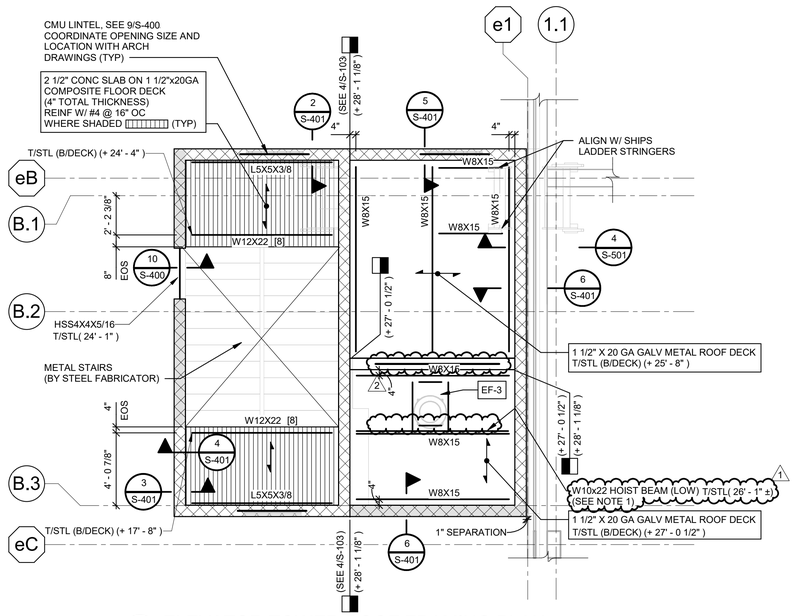


2 S-103 ELEVATOR TOWER SECOND FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0"

NOTES:

1. INDICATES MSW1 - SEE MASONRY WALL REINFORCING SCHEDULE ON S-400
2. INDICATES MSW2 - SEE MASONRY WALL REINFORCING SCHEDULE ON S-400
3. SEE S-101 FOR ADDITIONAL NOTES.
4. SEE S-101 FOR STEEL BEAM LEGEND.

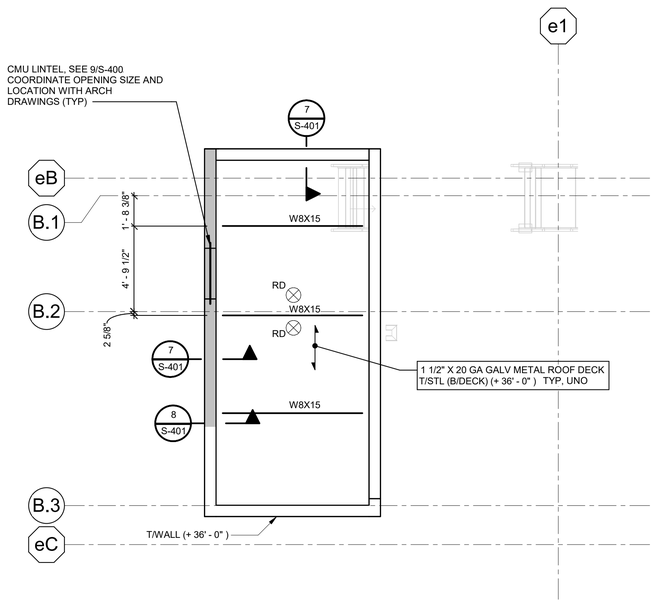


3 S-103 ELEVATOR TOWER ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

NOTE:

1. COORDINATE HOIST BEAM ELEVATION WITH ELEVATOR MANUFACTURER REQUIREMENTS.
2. SEE S-101, S-102 AND 2/S-103 FOR ADDITIONAL NOTES .



4 S-103 ELEVATOR TOWER HIGH ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

NOTE:

SEE S-102 AND 2/S-103 FOR ADDITIONAL NOTES .

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STATE OF NEW YORK · JOHN CHRISTOPHER FRIEL · LICENSED PROFESSIONAL ENGINEER

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ELEVATOR TOWER FRAMING PLANS

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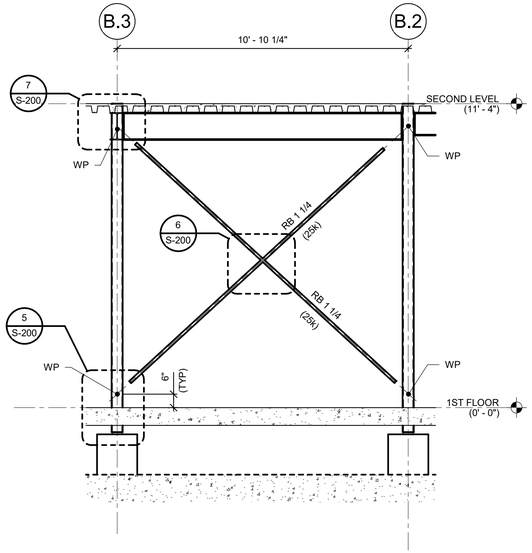
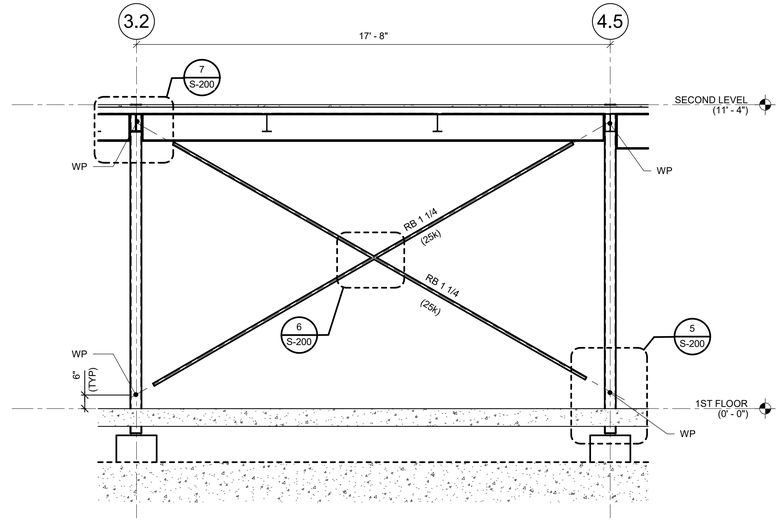
S-103

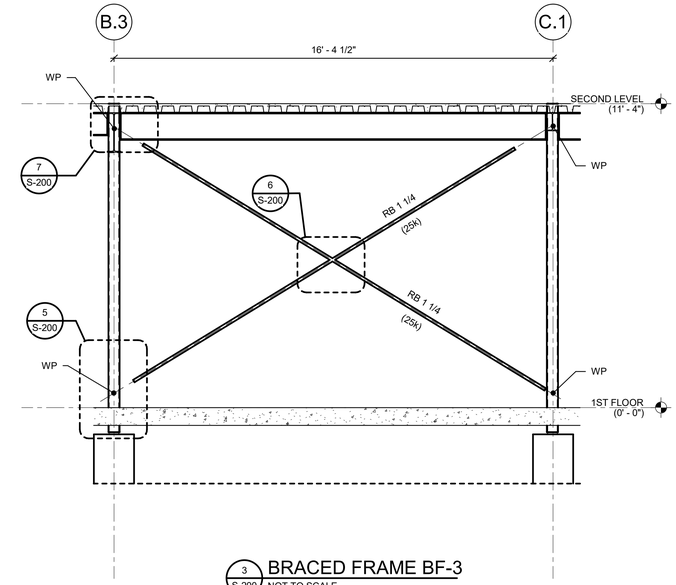
SHEET 26 OF 198



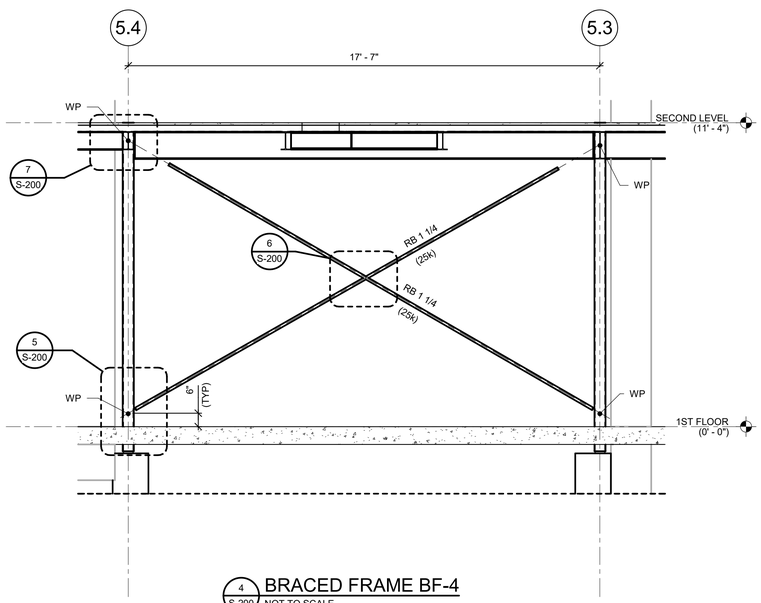
1 S-200 BRACED FRAME BF-1
NOT TO SCALE
NOTES:
( ) INDICATES ASD AXIAL FORCE IN KIPS (TENSION)



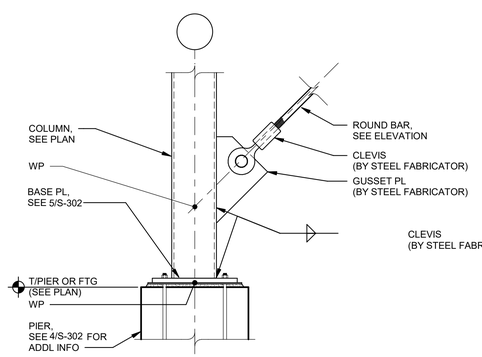
2 S-200 BRACED FRAME BF-2
NOT TO SCALE
NOTES:
( ) INDICATES ASD AXIAL FORCE IN KIPS (TENSION)



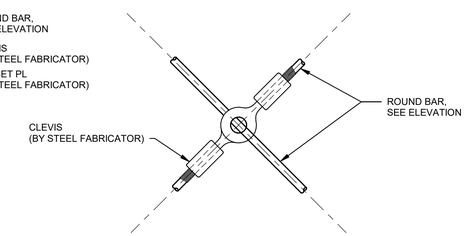
3 S-200 BRACED FRAME BF-3
NOT TO SCALE
NOTES:
( ) INDICATES ASD AXIAL FORCE IN KIPS (TENSION)



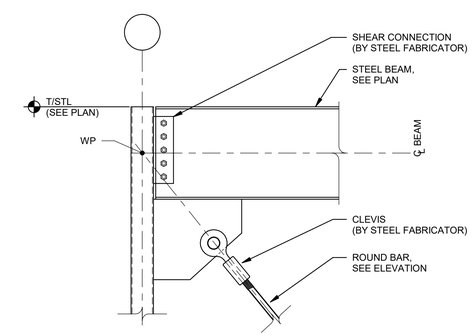
4 S-200 BRACED FRAME BF-4
NOT TO SCALE
NOTES:
( ) INDICATES ASD AXIAL FORCE IN KIPS (TENSION)



5 S-200 ROD BRACE CONNECTION AT COLUMN BASE DETAIL
NOT TO SCALE
NOTES:
1. SIZE BRACED CONNECTIONS USING AISC UNIFORM FORCE METHOD. SUBMIT CALCULATIONS STAMPED BY A LICENSED PE, FOR REVIEW. SEE BRACED FRAME ELEVATIONS FOR BRACE FORCES.



6 S-200 ROD BRACE AT INTERSECTION
NOT TO SCALE
NOTES:
1. FABRICATOR OPTION TO OFFSET BRACES AT CONNECTION POINTS TO ALLOW RODS TO PASS WITHOUT MID CLEVIS.
2. SIZE BRACED CONNECTIONS USING AISC UNIFORM FORCE METHOD. SUBMIT CALCULATIONS STAMPED BY A LICENSED PE, FOR REVIEW. SEE BRACED FRAME ELEVATIONS FOR BRACE FORCES.



7 S-200 ROD BRACE CONNECTION AT BEAM DETAIL
NOT TO SCALE
NOTES:
1. SIZE BRACED CONNECTIONS USING AISC UNIFORM FORCE METHOD. SUBMIT CALCULATIONS STAMPED BY A LICENSED PE, FOR REVIEW. SEE BRACED FRAME ELEVATIONS FOR BRACE FORCES.

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DESIGN & CONSTRUCTION

CONSULTANT
bell & spina ARCHITECTS
RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK · RICHARD CHRISTOPHER JOHNSON · 071887 · LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE:
OCTOBER 31, 2026

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

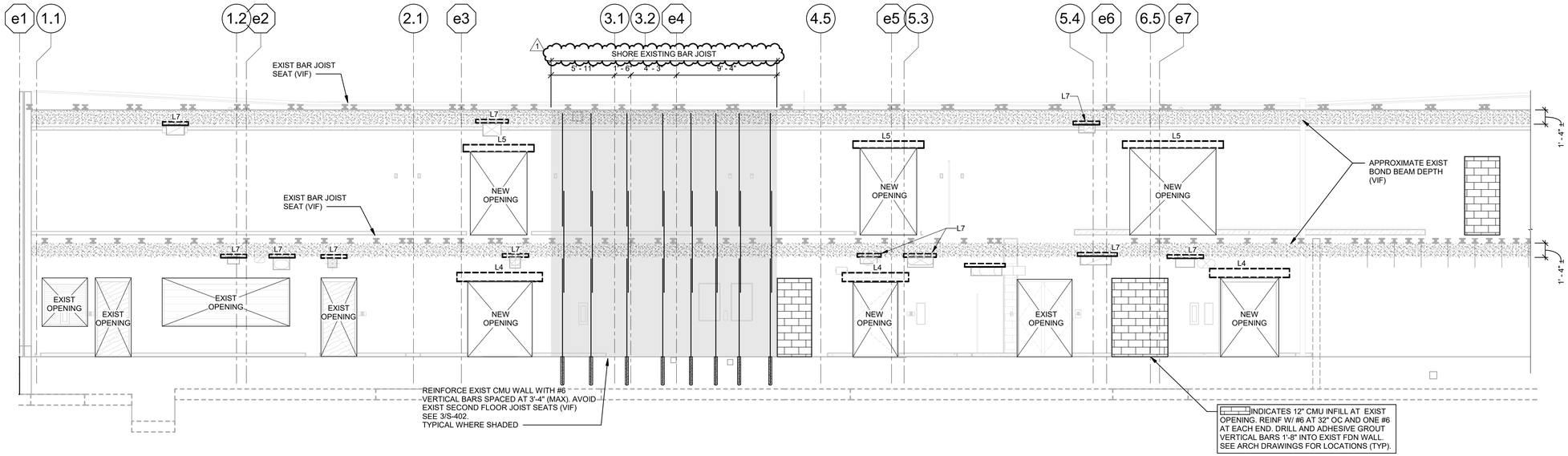
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE:
BRACED FRAME ELEVATIONS AND DETAILS

DRAWING NUMBER:
S-200



1 / S-201 CMU WALL ELEVATION ALONG GRID LINE eB -LOOKING NORTH

SCALE: 3/16" = 1'-0"

NOTE:

1. COORDINATE WALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT ALL OPENINGS ARE SHOWN IN THE STRUCTURAL DRAWINGS.
2. SEE S-402 FOR CMU RESTORATION DETAILS. COORDINATE QUANTITIES WITH ARCHITECTURAL DRAWINGS.

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DESIGN & CONSTRUCTION

CONSULTANT

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APPROVED:	JCH

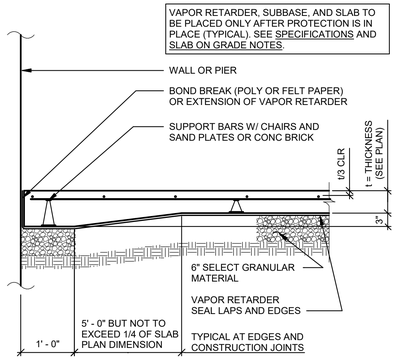
SHEET TITLE:

CMU WALL ELEVATIONS

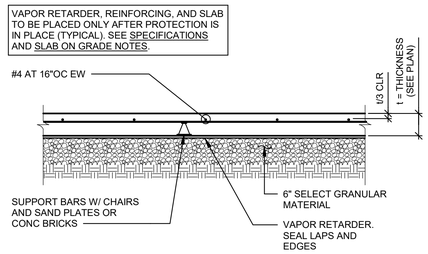
DRAWING NUMBER:

S-201

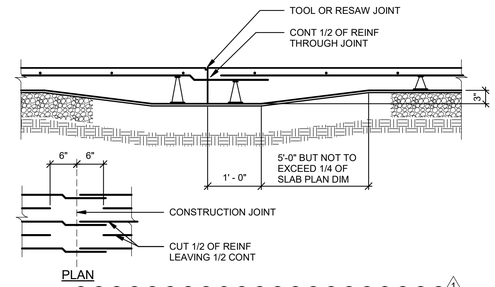
SHEET 28 OF 198



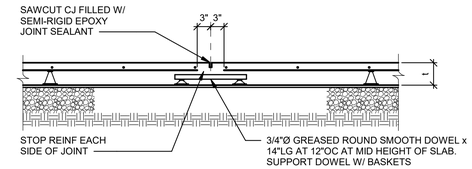
1 S-300 SLAB ON GRADE TYPICAL EDGE SECTION
SCALE: 3/4" = 1'-0"



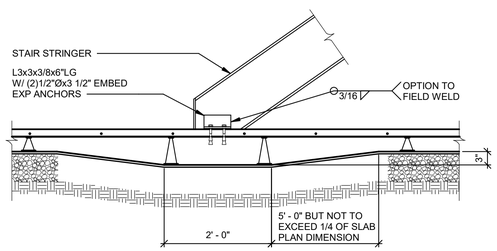
2 S-300 SLAB ON GRADE TYPICAL SECTION
SCALE: 3/4" = 1'-0"



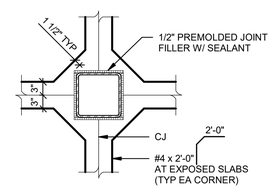
3 S-300 SLAB ON GRADE CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"



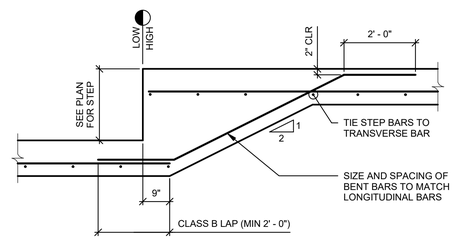
4 S-300 SLAB ON GRADE DOWELED CONTRACTION JOINT
SCALE: 3/4" = 1'-0"



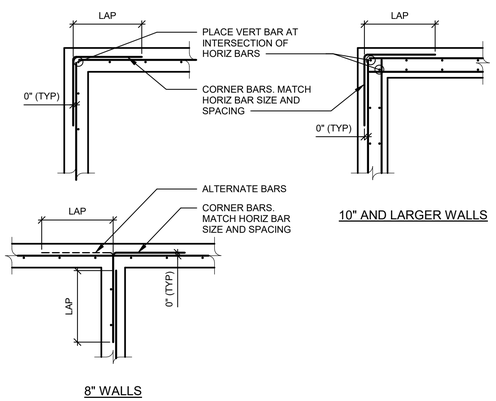
6 S-300 SECTION AT THICKENED SLAB
SCALE: 3/4" = 1'-0"
NOTES:
1. AT EXPOSED STAIRS, LOCATE L3x3 UNDER STAIR TREAD.
2. AT 'SIM' SEE 2/S-302 FOR SLAB INFILL



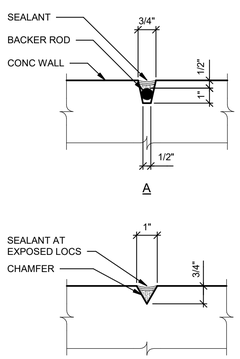
7 S-300 ISOLATION JOINTS AT COLUMNS
SCALE: 3/4" = 1'-0"



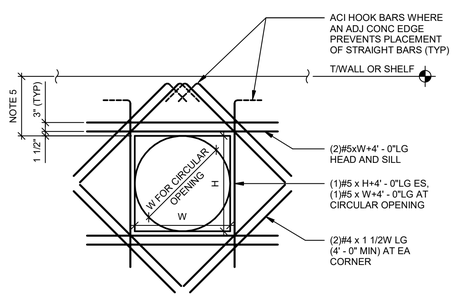
8 S-300 FOOTING STEP DETAIL
SCALE: 1/2" = 1'-0"



9 S-300 TYPICAL WALL INTERSECTION REINFORCEMENT
SCALE: 1/2" = 1'-0"
NOTE:
LAPS ARE CLASS B, BUT NOT LESS THAN 2' - 0".



10 S-300 WALL JOINT DETAIL
SCALE: 3/4" = 1'-0"
NOTES:
1. USE "A" AT WALLS GREATER THAN 12" THICK AND AT JOINTS WHICH ARE EXPOSED.
2. USE "B" AT WALLS WHICH ARE CONCEALED AND ARE 12" THICK OR LESS.
3. BACKER ROD AND SEALANT ARE ONLY REQUIRED AT EXPOSED LOCATIONS.



11 S-300 REINFORCEMENT AT WALL OPENING
SCALE: 1/2" = 1'-0"
NOTES:
1. THIS DETAIL APPLIES WHERE OPENING INTERRUPTS TWO OR LESS VERTICAL OR HORIZONTAL REINFORCING BARS. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY PROPOSED OPENINGS NOT SHOWN IN STRUCTURAL DRAWINGS THAT INTERRUPT MORE THAN TWO VERTICAL OR HORIZONTAL REINFORCING BARS.
2. PROVIDE REINFORCEMENT SHOWN FOR EACH LAYER OF WALL REINFORCEMENT.
3. PIPE CLUSTERS (MULTIPLE PIPES) SHALL BE CONSIDERED ONE CONTINUOUS OPENING.
4. SHOW OPENINGS IN WALL ELEVATIONS IN REINFORCING SHOP DRAWINGS.
5. W/2 OR 1' - 0" MINIMUM (WHICHEVER IS GREATER) CONCRETE WALL HEIGHT ABOVE OPENINGS.

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STATE OF NEW YORK · JOHN CHRISTOPHER TRUE · LICENSED PROFESSIONAL ENGINEER · 075676
EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT:
CONSTRUCTION

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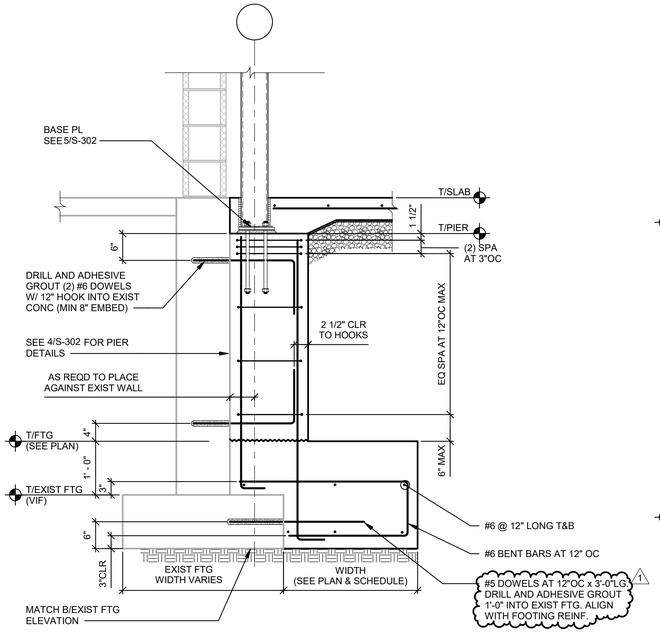
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE:
FOUNDATION SECTIONS AND DETAILS

DRAWING NUMBER:
S-300

SHEET 29 OF 198

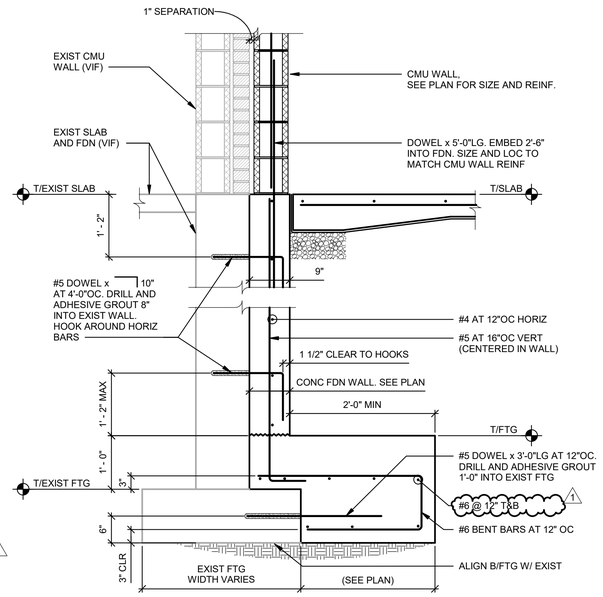


1 S-301 SECTION AT PIER AT EXIST WALL

NOT TO SCALE

NOTE:

SEE 7/S-301 WHERE EXISTING UNDER-SLAB DRAIN CONFLICTS WITH NEW FOOTING OVERPOUR.

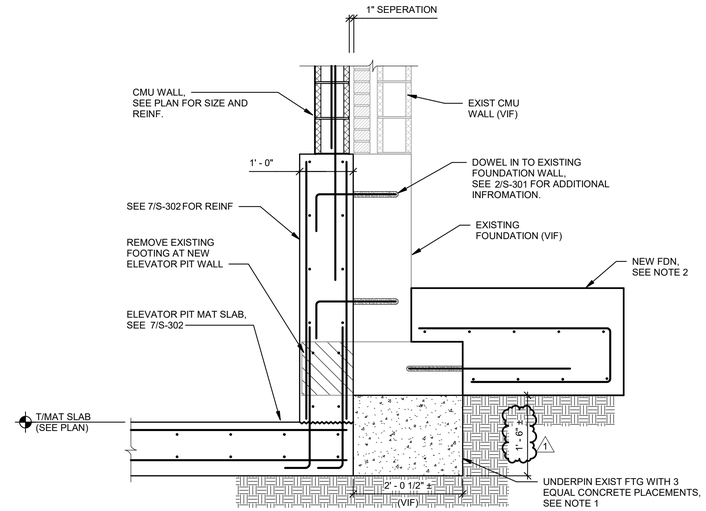


2 S-301 SECTION AT EXISTING FOUNDATION

NOT TO SCALE

NOTES:

1. EXISTING FOOTING CONDITIONS MAY VARY AT DIFFERENT LOCATIONS. VERIFY IN FIELD.
2. SEE 1/S-301 FOR ADDITIONAL INFORMATION NOT SHOWN.

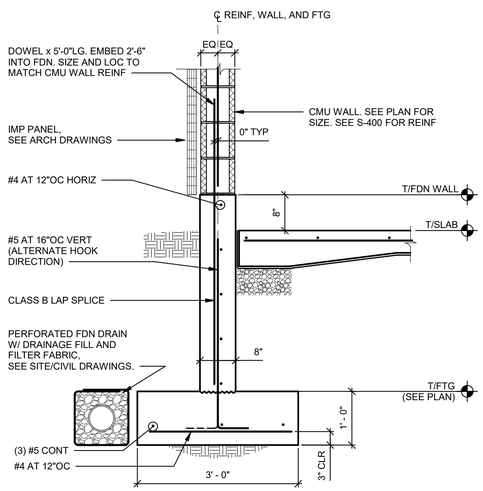


3 S-301 SECTION AT ELEVATOR PIT AT EXISTING FOUNDATION

NOT TO SCALE

NOTES:

1. DO NOT INSTALL NEW LOAD BEARING STRUCTURE PRIOR TO UNDERPINNING EXISTING FOUNDATIONS.
2. SEE 2/S-301 FOR ADDITIONAL INFORMATION NOT SHOWN.

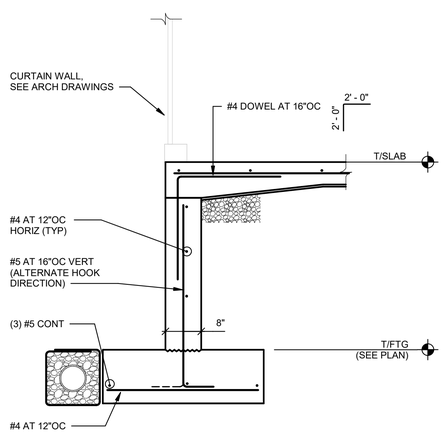


4 S-301 SECTION AT FOUNDATION

SCALE: 3/4" = 1'-0"

NOTE:

SEE SITE/CIVIL DRAWINGS FOR FOUNDATION DRAIN ELEVATIONS AND LOCATION.

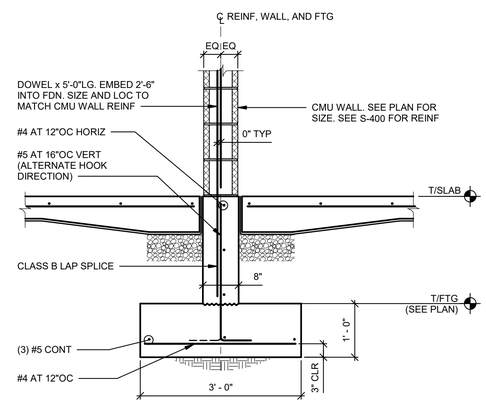


5 S-301 SECTION AT FOUNDATION WALL AT CURTAIN WALL

SCALE: 3/4" = 1'-0"

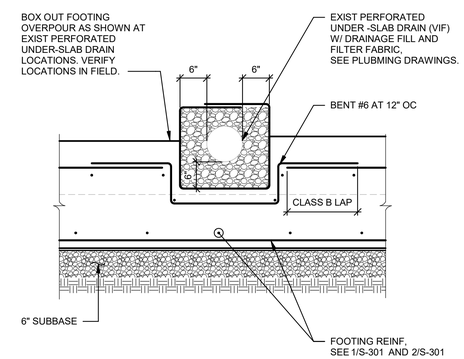
NOTE:

SEE 4/S-301 FOR ADDITIONAL INFORMATION NOT SHOWN



6 S-301 SECTION AT FOUNDATION

SCALE: 3/4" = 1'-0"



7 S-301 FOOTING OVERPOUR AT EXIST UNDER SLAB DRAIN

NOT TO SCALE

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

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bell & spina ARCHITECTS

RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING

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DRAWN BY: RJM

FIELD CHECK:

APPROVED: JCH

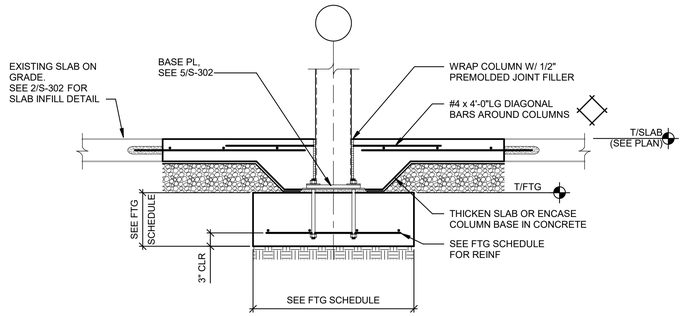
SHEET TITLE:

FOUNDATION SECTIONS AND DETAILS

DRAWING NUMBER:

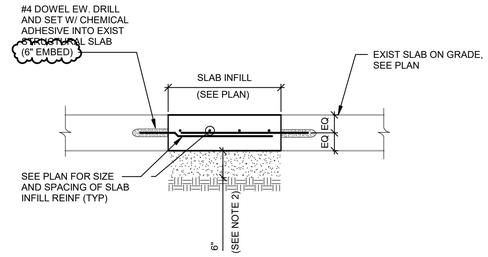
S-301

SHEET 30 OF 198



1 S-302 SECTION AT INTERIOR FOOTING

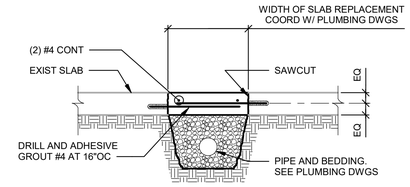
SCALE: 3/4" = 1'-0"



2 S-302 SLAB INFILL DETAIL

NOT TO SCALE

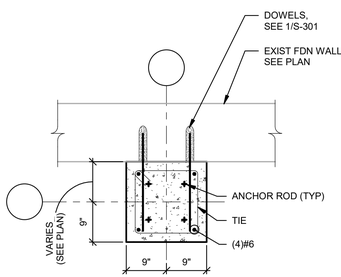
NOTE:
1. APPLY BONDING AGENT TO EXISTING SURFACES BEFORE PLACING CONCRETE.
2. PROVIDE MINIMUM 6 INCHES OF SUBBASE COURSE OF SELECT GRANULAR MATERIAL.



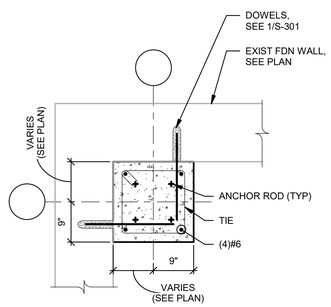
3 S-302 SLAB SECTION AT PIPE

NOT TO SCALE

NOTES:
1. DO NOT UNDERMINE EXISTING SLAB.
2. PROVIDE CONTROL JOINTS AT 15'-0" ON CENTER MAXIMUM ~~ALONG THE LENGTH OF SLAB PAVEMENT.~~
3. SEE 2/S-302 FOR ADDITIONAL INFORMATION NOT SHOWN. 1



P1

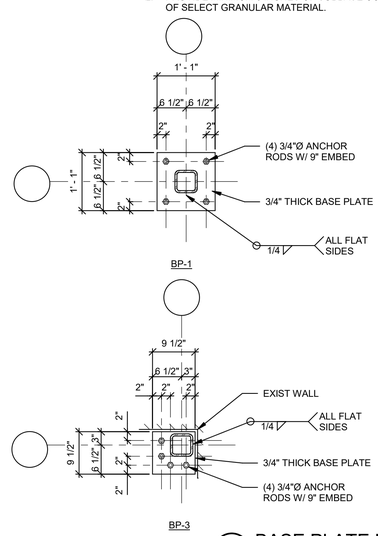


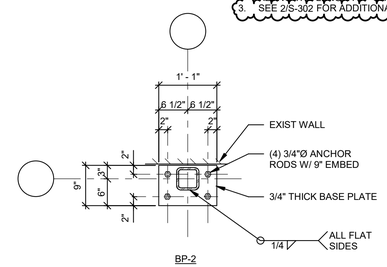
P2

4 S-302 PIER DETAILS

SCALE: 3/4" = 1'-0"

NOTES:
1. TIES ARE #3, TYPICAL UNLESS NOTED OTHERWISE. STAGGER HOOK LOCATIONS ON ALTERNATE TIES.
2. SEE 1/S-301 FOR TIE SPACING AND SECTIONS AT PIERS.
3. SEE 5/S-302 FOR BASE PLATE DETAILS AND ANCHOR ROD INFORMATION.



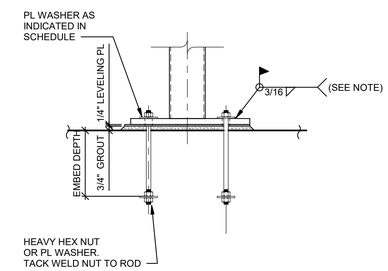


5 S-302 BASE PLATE DETAIL

NOT TO SCALE

ANCHOR ROD SCHEDULE			
ANCHOR ROD DIAMETER	GRADE	BASE PLATE HOLE DIAMETER	MINIMUM WASHER DIMENSIONS
3/4"	36	1 5/16"	1/4"x2"

NOTE:
PROVIDE ANCHOR RODS IN ACCORDANCE WITH ASTM F1554.

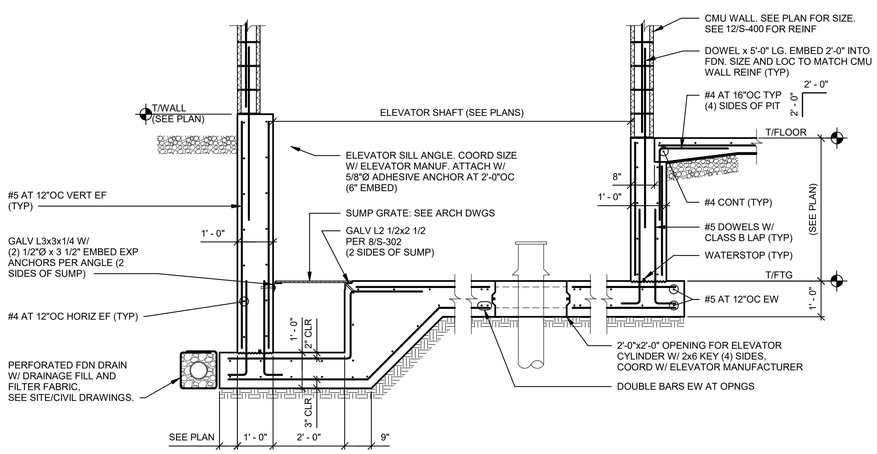


TYPE 1

6 S-302 COLUMN BASE DETAIL

NOT TO SCALE

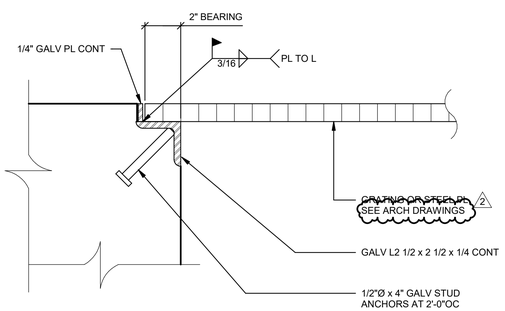
NOTE:
WELD REQUIRED ONLY AT BRACED FRAME COLUMNS. AS AN ALTERNATEIVE TO WELDING, FILL ALL VOIDS BETWEEN ANCHOR ROD AND BASE PLATE HOLES WITH GROUT OR EPOXY PRIOR TO INSTALLING WASHER AND NUT



7 S-302 ELEVATOR PIT SECTION

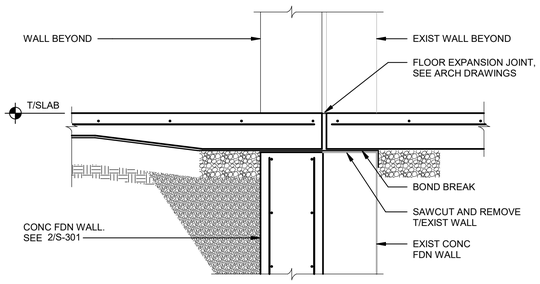
SCALE: 1/2" = 1'-0"

NOTE:
1. PIT LADDER AND RAIL BRACING BEAM NOT SHOWN.
2. SEE SITE/CIVIL DRAWINGS FOR FOUNDATION DRAIN ELEVATIONS AND LOCATION.



8 S-302 TYPICAL EMBEDDED ANGLE FOR GRATING COVER

NOT TO SCALE



9 S-302 SECTION AT EXISTING WALL SLAB OVERPOUR

SCALE: 3/4" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK · JOHN CHRISTOPHER HALL · LICENSED PROFESSIONAL ENGINEER · 075475

EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT: CONSTRUCTION

TITLE: RENOVATE ARMORY

LOCATION: NY NATIONAL GUARD ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**

DESIGNED BY: RJM

DRAWN BY: RJM

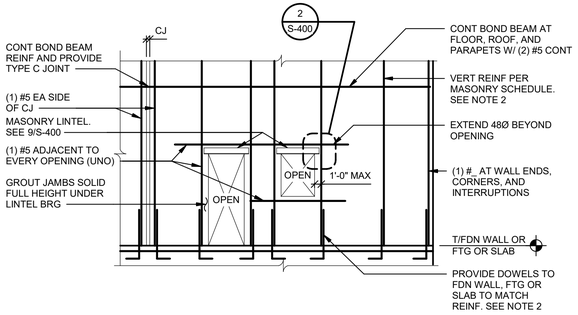
FIELD CHECK:

APPROVED: JCH

SHEET TITLE: FOUNDATION SECTIONS AND DETAILS

DRAWING NUMBER: **S-302**

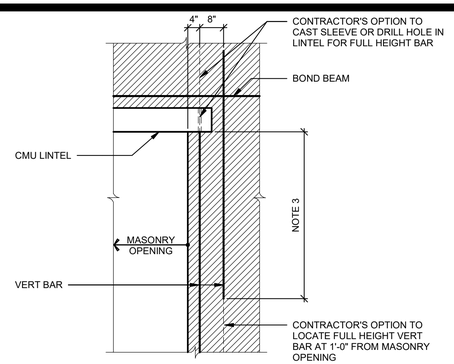
SHEET 31 OF 198



1 S-400 MASONRY WALL REINFORCING ELEVATION

NOT TO SCALE

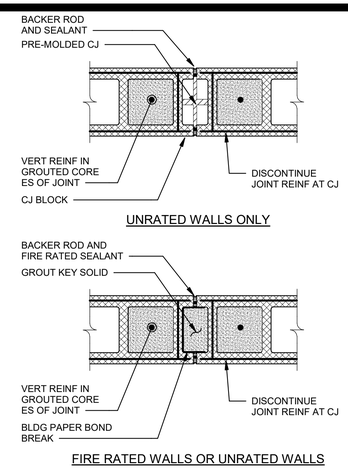
NOTES:
1. REINFORCING SHOWN IS TYPICAL UNLESS NOTED.
2. T/WALL ELEVATION (0'-8") TYPICAL UNLESS NOTED OTHERWISE.
3. LAP REINFORCING BARS AS INDICATED IN THE MASONRY NOTES ON S-003



2 S-400 WALL REINFORCING ELEVATION AT OPENING

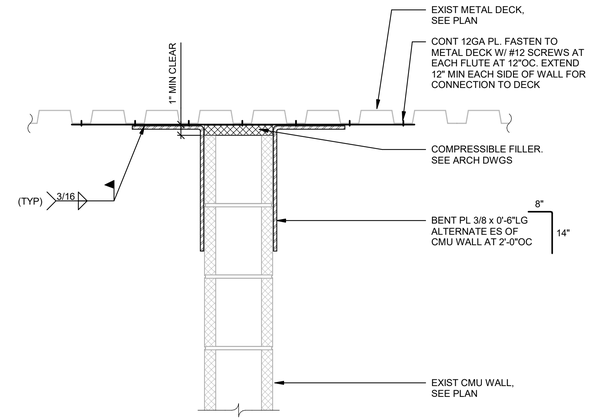
NOT TO SCALE

NOTES:
1. TERM "FULL HEIGHT" REFERS TO SINGLE CORE REINFORCED FULL HEIGHT. BARS MAY BE LAPPED.
2. USE FULL HEIGHT BAR THROUGH LINTEL BEARING AT REINFORCED CMU LINTEL.
3. LAP LENGTH SHALL BE THE LAP LENGTH INDICATED IN THE MASONRY NOTES ON S-003 + 8 INCHES.
4. SEE 8/S-400 FOR ELEVATION OF OPENING AT CONTROL JOINT.



3 S-400 WALL CONTROL JOINT DETAIL

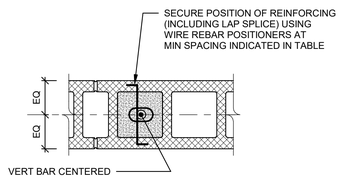
NOT TO SCALE



4 S-400 DETAIL AT TOP OF CMU WALL

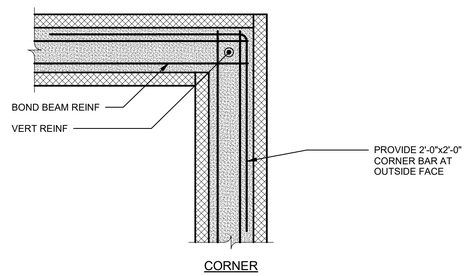
SCALE: 1 1/2" = 1'-0"

NOTE:
APPLY DETAIL FULL LENGTH OF EXISTING WALL WHERE SHOWN ON PLAN

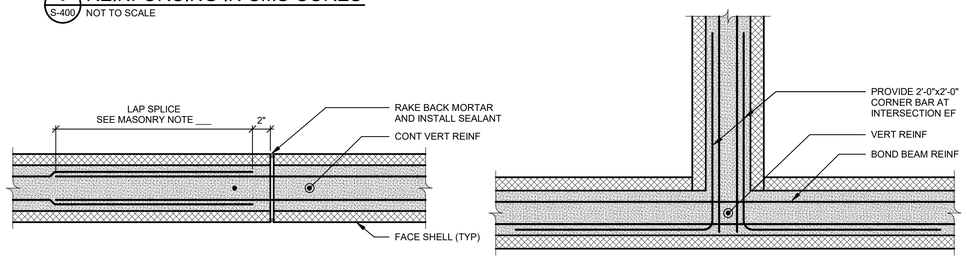


5 S-400 REINFORCING IN CMU CORES

NOT TO SCALE



CORNER



INTERSECTION

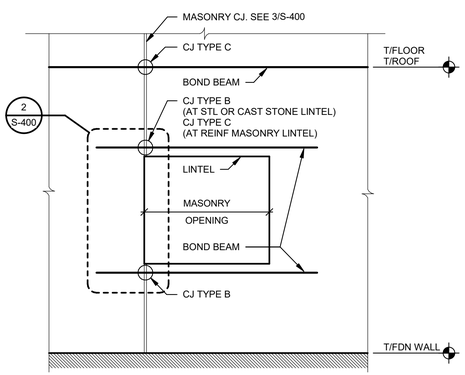
6 S-400 CONTROL JOINTS AT BOND BEAMS

NOT TO SCALE

NOTES:
1. SEE 8/S-400 FOR WALL ELEVATION OF CONTROL JOINT AT BOND BEAM.
2. CONTRACTOR'S OPTION TO CASE PVC OR GALVANIZED STEEL CONDUIT SLEEVES INTO WALL IN LIEU OF "GREASE AND WRAP".

7 S-400 BOND BEAM PLAN DETAILS

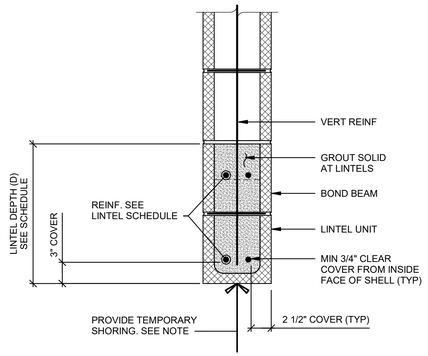
NOT TO SCALE



8 S-400 WALL ELEVATION OF CONTROL JOINT AT BOND BEAM

NOT TO SCALE

NOTES:
1. SEE 9/S-400FOR DETAILS OF CONTROL JOINTS AT BOND BEAMS.
2. SEE 1/S-400MASONRY WALL REINFORCING ELEVATION FOR ADDITIONAL INFORMATION.
3. PROVIDE LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16"OC AND AT TOP OF TWO COURSES UNLESS NOTED OTHERWISE.

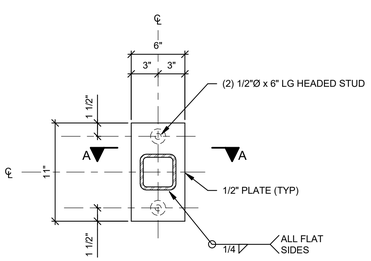


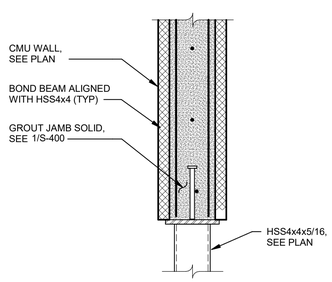
LINTEL SCHEDULE		
LINTEL DEPTH "D"	MAX CLEAR OPENING	REINFORCEMENT
2'-0"	0'-0" TO 4'-0"	(2) #5
2'-8"	4'-0" TO 7'-0"	(2) #5

9 S-400 SECTION - REINFORCED CMU LINTEL

SCALE: 1 1/2" = 1'-0"

NOTE:
SHORE REINFORCED CMU LINTEL UNTIL MASONRY (INCLUDING GROUT) ABOVE LINTEL HAS CURED A MINIMUM OF 14 DAYS.

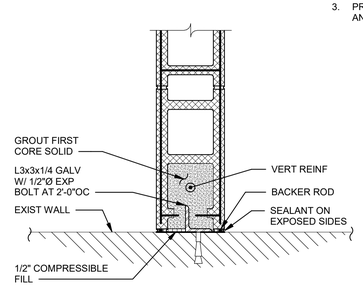




AA

10 S-400 SECTION AT CURTAIN WALL SUPPORT

NOT TO SCALE



11 S-400 WALL CONTROL JOINT AT EXISTING WALL

NOT TO SCALE

MASONRY WALL REINFORCING SCHEDULE				
MARK	NOMINAL CMU THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	REMARKS
MSW1	8"	#5 @ 16" OC	SEE 1/S-400	
MSW2	8"	#5 @ 8" OC	SEE 1/S-400	

NOTES:
1. MSW__ - INDICATES MASONRY SHEAR WALL.
2. OPENINGS ARE NOT PERMITTED IN SHEAR WALLS EXCEPT WHERE SHOWN ON THE STRUCTURAL DRAWINGS.
3. SEE 1/S-400 FOR ADDITIONAL INFORMATION.

12 S-400 MASONRY WALL REINFORCING SCHEDULE

NOT TO SCALE

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

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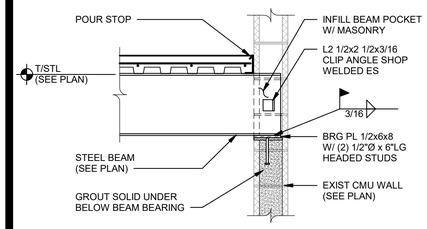
PROJECT NUMBER:	47477-C
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE:
MASONRY SECTIONS AND DETAILS

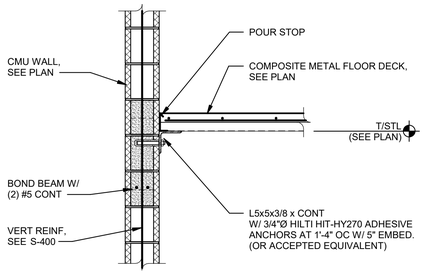
DRAWING NUMBER:
S-400

SHEET 32 OF 198



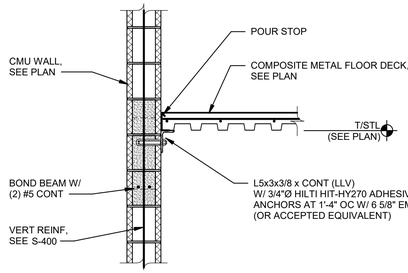
1 S-401 BEAM BEARING IN EXISTING MASONRY WALL

SCALE: 3/4" = 1'-0"



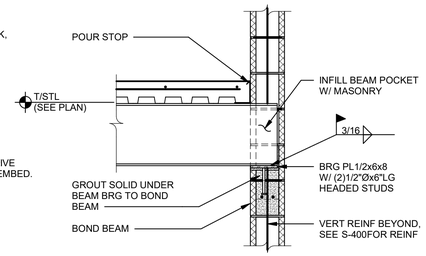
2 S-401 WALL SECTION AT FLOOR

SCALE: 3/4" = 1'-0"



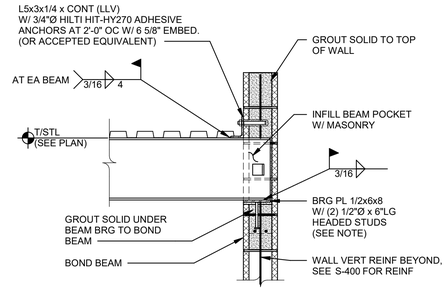
3 S-401 WALL SECTION AT FLOOR

SCALE: 3/4" = 1'-0"



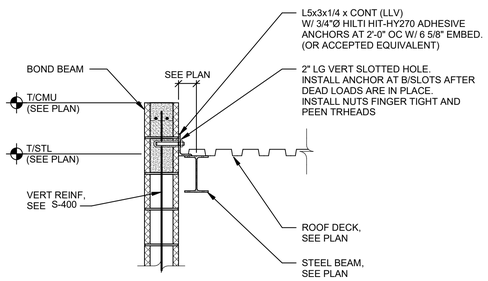
4 S-401 BEAM BEARING IN MASONRY WALL

SCALE: 3/4" = 1'-0"
NOTE:
CONTRACTOR'S OPTION TO USE THREADED ROD WITH TACK WELDED NUT IN LIEU OF HEADED STUDS.



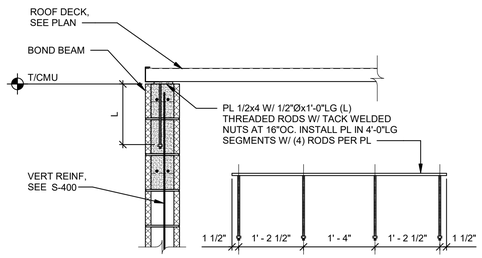
5 S-401 BEAM BEARING IN MASONRY WALL WITH PARAPET

SCALE: 3/4" = 1'-0"
NOTE:
CONTRACTOR'S OPTION TO USE THREADED ROD WITH TACK WELDED NUT IN LIEU OF HEADED STUDS.



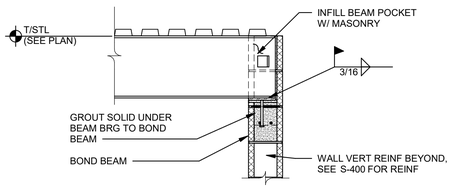
6 S-401 WALL SECTION AT ROOF DECK WITH PARAPET

SCALE: 3/4" = 1'-0"



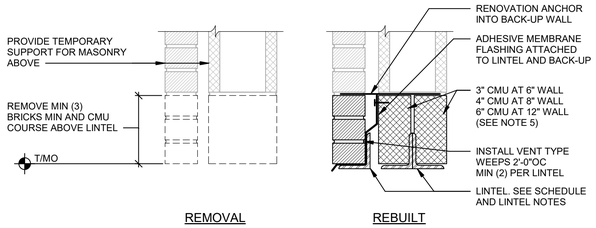
7 S-401 WALL SECTION AT ROOF DECK

SCALE: 3/4" = 1'-0"



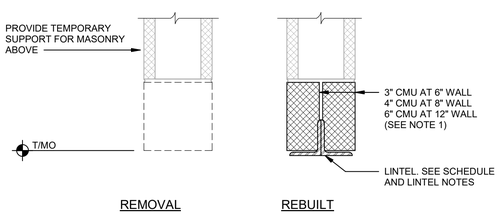
8 S-401 BEAM BEARING IN MASONRY WALL AT ROOF

SCALE: 3/4" = 1'-0"
NOTE:
SEE 5/S-401 FOR ADDITIONAL INFORMATION NOT SHOWN.



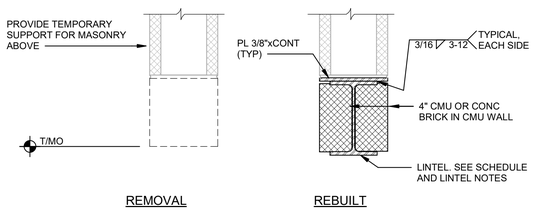
9 S-401 SECTION AT LINTEL IN EXISTING EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"
NOTES:
1. GROUT JAMBS SOLID BELOW LINTEL BEARINGS IN CMU.
2. REPOINT VOIDS IN MORTAR JOINTS IN JAMBS.
3. FLASHING MEMBRANE, DRIP AND WEEPS ARE NOT REQUIRED AT INTERIOR WALLS.
4. BEAR LINTELS A MINIMUM OF 8" EACH END UNO.
5. OPTION TO SUBSTITUTE CMU INFILL FOR CONCRETE BRICK.



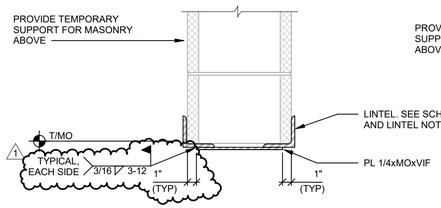
10 S-401 SECTION AT LINTEL EXISTING INTERIOR WALL

SCALE: 1 1/2" = 1'-0"
NOTES:
1. OPTION TO SUBSTITUTE CMU INFILL FOR CONCRETE BRICK.
2. SEE 9/S-401 FOR ADDITIONAL INFORMATION NOT SHOWN



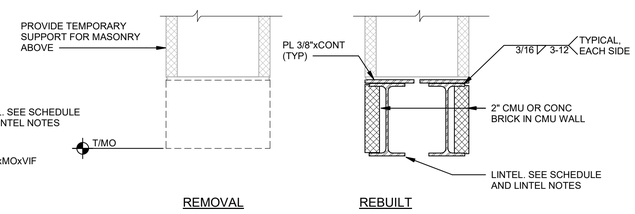
11 S-401 SECTION AT LINTEL EXISTING INTERIOR WALL

SCALE: 1 1/2" = 1'-0"
NOTES:
1. GROUT JAMBS SOLID BELOW LINTEL BEARINGS IN CMU.
2. REPOINT VOIDS IN MORTAR JOINTS IN JAMBS.
3. FLASHING MEMBRANE, DRIP AND WEEPS ARE NOT REQUIRED AT INTERIOR WALLS.
4. BEAR LINTELS A MINIMUM OF 8" EACH END UNO.



12 S-401 SECTION AT LINTEL EXISTING INTERIOR WALL

SCALE: 1 1/2" = 1'-0"
NOTES:
1. SAWCUT EXISTING MORTAR JOINT ON ONE SIDE OF WALL BY DEPTH, LENGTH AND THICKNESS OF ANGLE.
2. INSERT ANGLE.
3. REPEAT STEPS 1 AND 2 ON OPPOSITE SIDE OF WALL.
4. REMOVE MASONRY FOR NEW MASONRY OPENING.
5. INSTALL PLATE AND TOUCH-UP PAINT.
6. REPOINT VOIDS IN MORTAR JOINTS IN JAMBS.
7. BEAR LINTELS A MINIMUM OF 8" EACH END UNO.
8. GROUT JAMBS SOLID BELOW LINTEL BEARINGS IN CMU



13 S-401 SECTION AT LINTEL EXISTING INTERIOR WALL

SCALE: 1 1/2" = 1'-0"
NOTES:
1. GROUT JAMBS SOLID BELOW LINTEL BEARINGS IN CMU.
2. REPOINT VOIDS IN MORTAR JOINTS IN JAMBS.
3. FLASHING MEMBRANE, DRIP AND WEEPS ARE NOT REQUIRED AT INTERIOR WALLS.
4. BEAR LINTELS A MINIMUM OF 8" EACH END UNO.

LINTEL SCHEDULE

MARK	SIZE	TYPE	REMARKS	DETAIL REFERENCE
L1	(2)L4X3-1/2X3/8	⅃L		10/S401
L2	(3)L4X3-1/2X5/16	⅃ ⅃L	LLV, GALV	9/S401
L3	(3)L5X3-1/2X5/16	⅃ ⅃L	LLV, GALV	9/S401
L4	(2) W10X19	I I	12" BEARING	13/S401
L5	(2) W8X15	I I		13/S401
L6	(2)L5X3-1/2X5/16	L ⅃	LLV	12/S401
L7	(2)L4X4X3/8	L ⅃		12/S401

NEW YORK STATE | Office of General Services
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CONSULTANT

bell & spina ARCHITECTS

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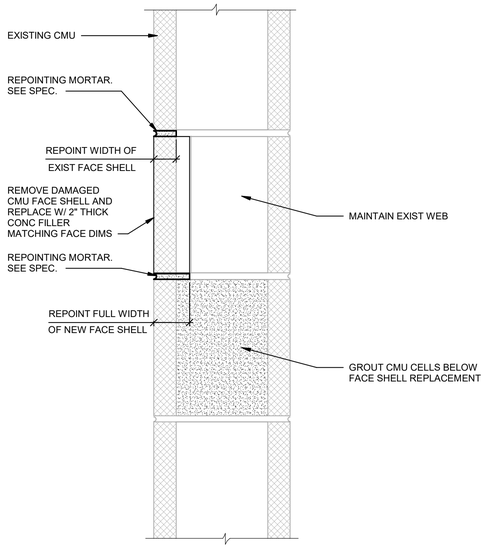
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

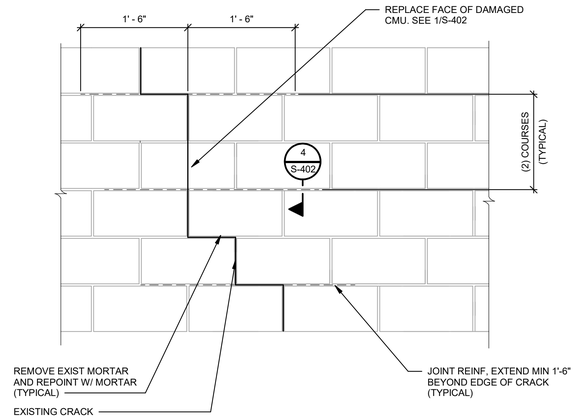
SHEET TITLE:
MASONRY SECTIONS AND DETAILS

DRAWING NUMBER:
S-401

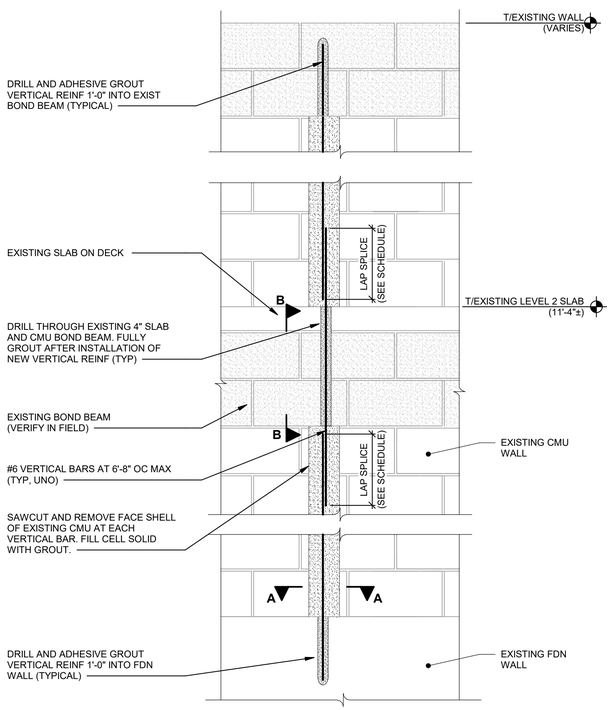
SHEET 33 OF 198



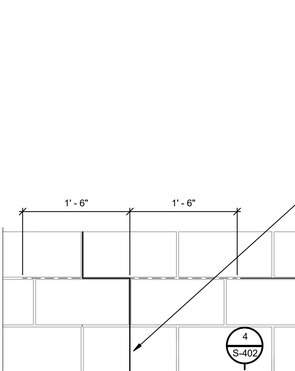
1 S-402 CMU REPAIR DETAIL
NOT TO SCALE

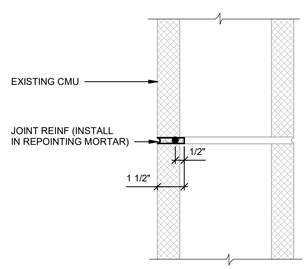


2 S-402 ELEVATION OF CRACK REPAIR
NOT TO SCALE
NOTES:
1. FOR CRACKS NEAR CORNERS, BEND JOINT REINFORCEMENT AND EXTEND MINIMUM 1'-6" BEYOND CORNER.
2. COORDINATE QUANTITIES WITH ARCHITECTURAL DRAWINGS.

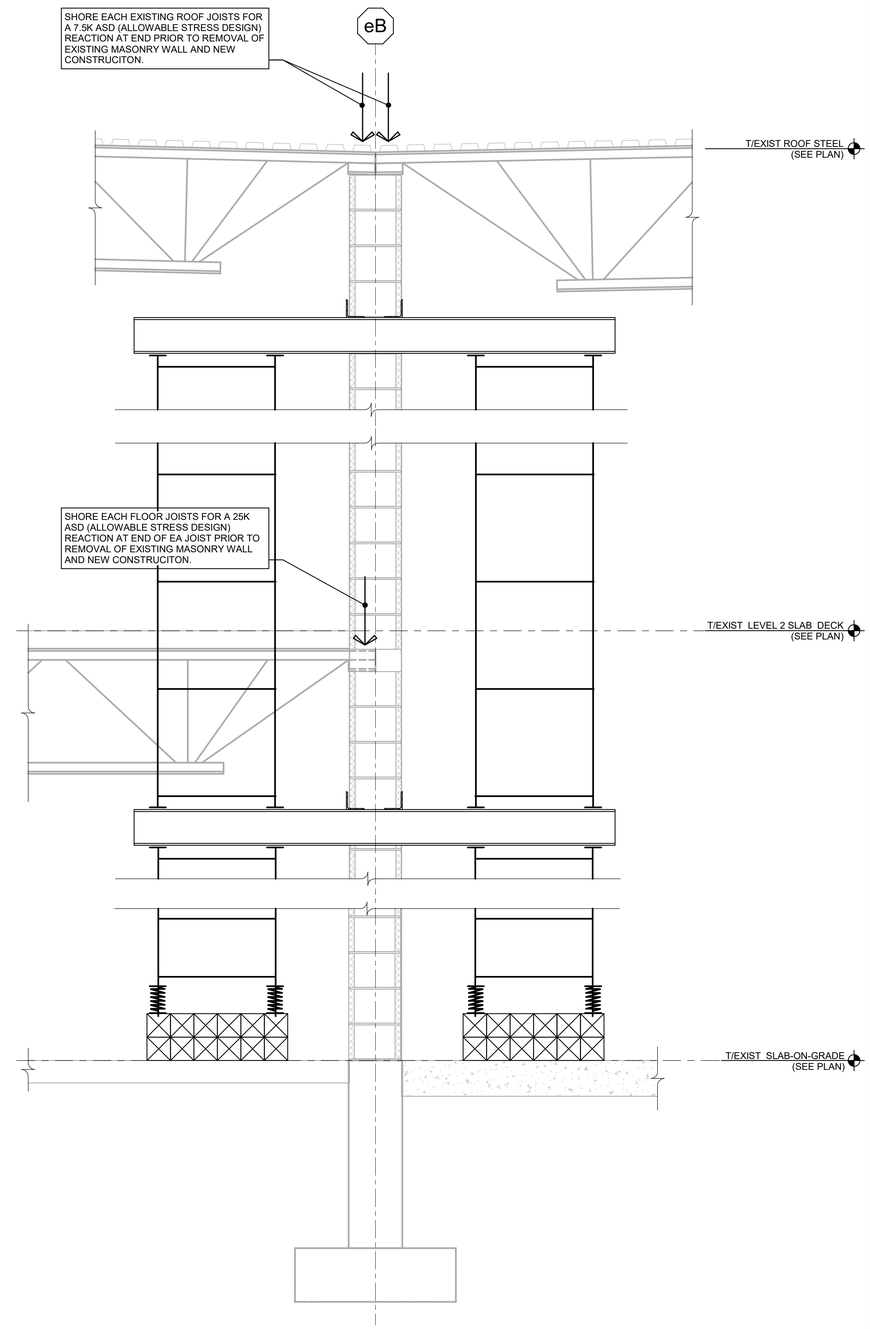


3 S-402 ELEVATION AT EXISTING CMU WALL REINFORCING
NOT TO SCALE





4 S-402 JOINT REINFORCING DETAIL
NOT TO SCALE



5 S-402 SECTION AT TEMPORARY SHORING
NOT TO SCALE
NOTES:
1. SHORING SHOWN IS SCHEMATIC ONLY. SUBMIT DRAWINGS FOR TEMPORARY SUPPORT OF STRUCTURE PREPARED BY LICENSED NYS ENGINEER TO DIRECTOR'S REPRESENTATIVE FOR REVIEW AND ACCEPTANCE BEFORE INSTALLING SHORING. ENGINEERED SHORING DESIGNS SHALL BE PREPARED AND SUBMITTED PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.

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CONSULTANT
bell & spina ARCHITECTS
RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK · JOHN CHRISTOPHER HALL · 071875 · LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

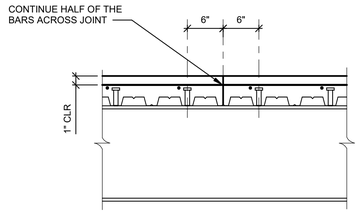
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE:
MASONRY SECTIONS AND DETAILS

DRAWING NUMBER:
S-402

SHEET 34 OF 198



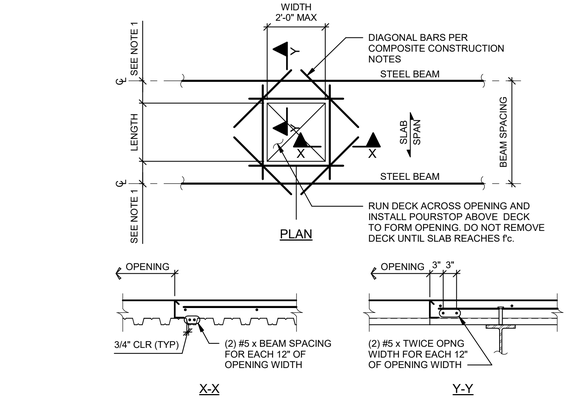
CONSTRUCTION JOINT

1 S-500 SLAB ON DECK CONSTRUCTION JOINT DETAIL

SCALE: 1" = 1'-0"

NOTES:

1. CJ ARE REQUIRED WHERE SHOWN ON DRAWINGS. WHERE CJ ARE NOT SHOWN SEE "OPTION FOR SLAB PLACEMENT" IN DIVISION 3 SPECIFICATIONS.
2. DO NOT LOCATE CJ OVER BEAMS OR GIRDERS.
3. FOR CJ PARALLEL TO BEAMS, LOCATE CJ BETWEEN BEAMS, AND NO CLOSER THAN 2 FEET TO BEAM CENTERLINES.
4. FOR CJ PARALLEL TO GIRDER, LOCATE CJ NO CLOSER THAN 4 FEET TO GIRDER CENTERLINE.

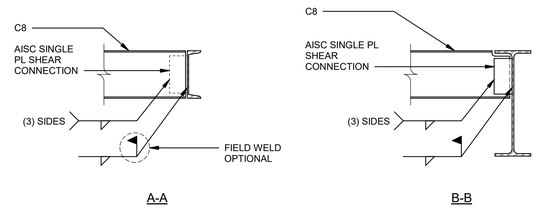


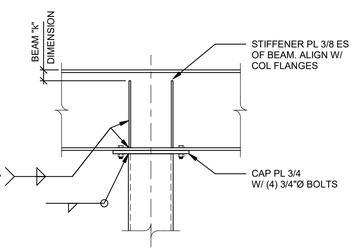
2 S-500 SLAB OPENING UP TO 2'-0" WIDE

SCALE: 3/4" = 1'-0"

NOTES:

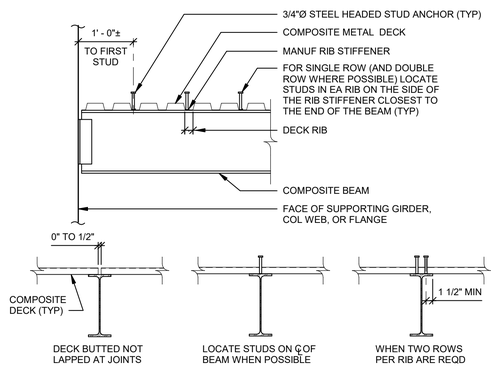
1. SEE COMPOSITE CONSTRUCTION NOTES FOR LIMITATIONS ON OPENING LOCATIONS. NOTIFY ENGINEER IF LOCATIONS ARE IN CONFLICT WITH NOTES.
2. PROVIDE DIAGONAL BARS AT CORNERS PER COMPOSITE CONSTRUCTION NOTES. VERIFY CONSTRUCTABILITY.
3. WHEN OPENING WIDTH EXCEEDS 24 INCHES INSTALL STEEL FRAMING BETWEEN FLOOR BEAMS.





3 S-500 BEAM CONTINUOUS OVER COLUMN

SCALE: 3/4" = 1'-0"

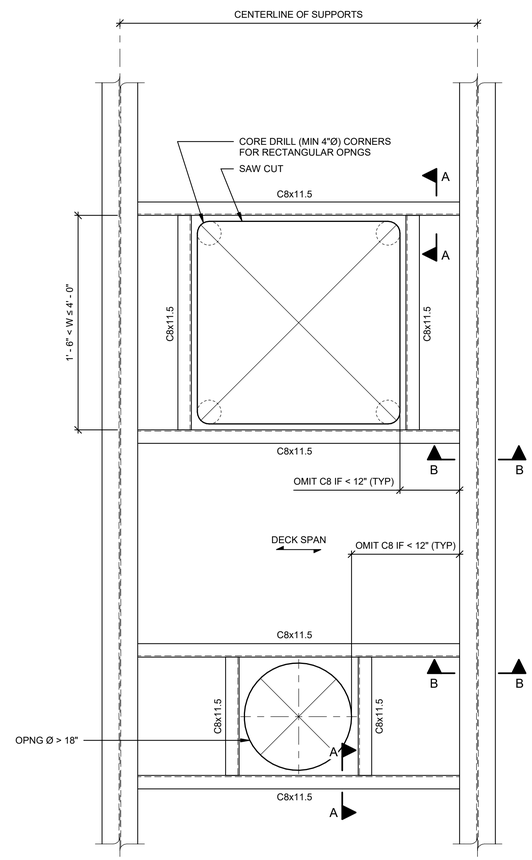


4 S-500 COMPOSITE BEAM DETAIL

SCALE: 3/4" = 1'-0"

NOTE:

REFER TO SPECIFICATION SECTION 053100 "STEEL DECKING" FOR STEEL HEADED STUD ANCHOR SPACING REQUIREMENTS.

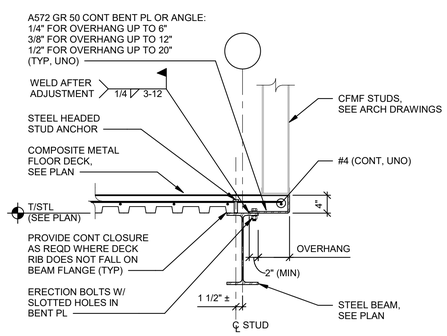


NOTES:

1. FOR OPENINGS CUT IN SLAB AFTER POUR, WHERE REINFORCING SHOWN IN TYPE A CONDITION HAS NOT BEEN INSTALLED.
2. OPENINGS OUTSIDE THE LIMITS ABOVE SHALL BE FRAMED WITH STRUCTURAL STEEL.

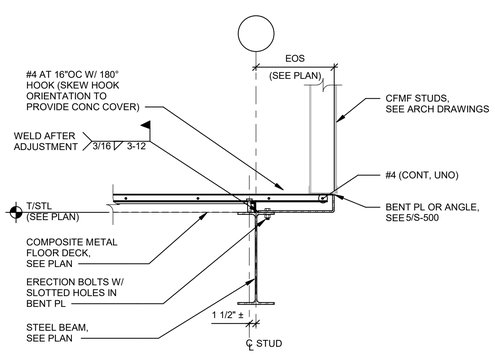
7 S-500 TYPICAL COMPOSITE SLAB OPENING REINFORCING DETAILS

NOT TO SCALE



5 S-500 SECTION AT SLAB EDGE

SCALE: 3/4" = 1'-0"



6 S-500 SECTION AT SLAB EDGE

SCALE: 3/4" = 1'-0"

NOTE:

FOR ADDITIONAL INFORMATION NOT SHOWN SEE 5/S-500

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STATE OF NEW YORK · LEWIS CHRISTOPHER PALMER · 027487 · LICENSED PROFESSIONAL ENGINEER

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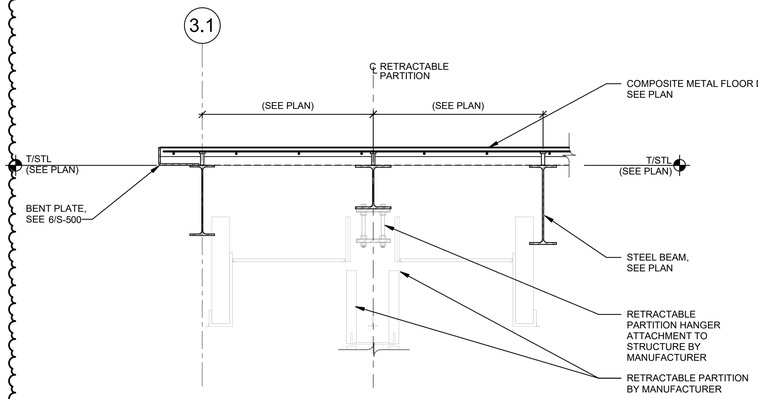
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

SHEET TITLE: FRAMING SECTIONS AND DETAILS

DRAWING NUMBER: S-500

SHEET 35 OF 198

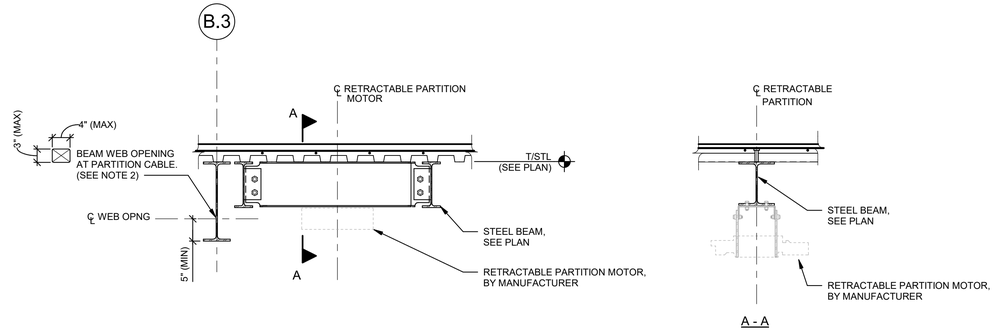


1 S-501 SECTION AT RETRACTABLE PARTITION HANGER MOUNT

SCALE: 3/4" = 1'-0"

NOTES:

1. LEVEL RETRACTABLE PARTITION PARTITION ONLY AFTER ALL DEAD LOADS ARE IN PLACE.
2. COORDINATE HANGER LOCATIONS WITH RETRACTABLE PARTITION MANUFACTURER AND ARCH DRAWINGS.

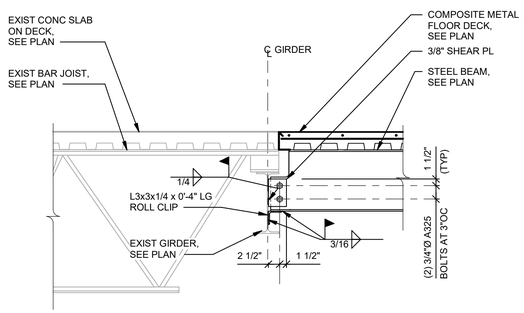


2 S-501 SECTION AT RETRACTABLE PARTITION MOTOR MOUNT

SCALE: 3/4" = 1'-0"

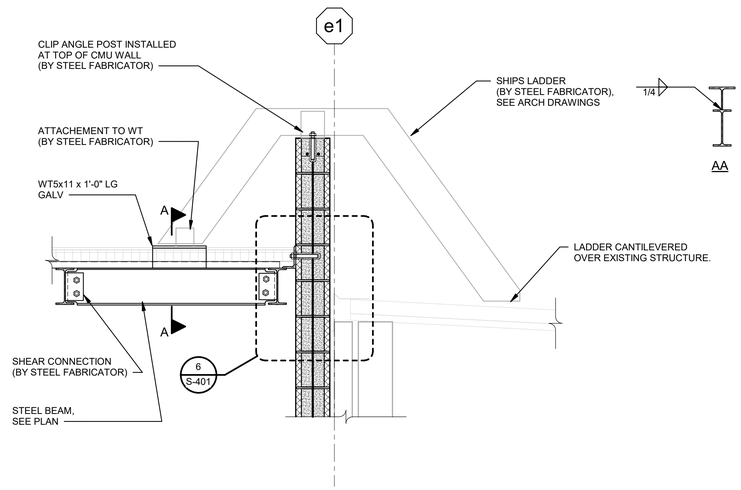
NOTES:

1. LEVEL RETRACTABLE PARTITION PARTITION ONLY AFTER ALL DEAD LOADS ARE IN PLACE.
2. COORDINATE HANGER LOCATIONS WITH RETRACTABLE PARTITION MANUFACTURER AND ARCH DRAWINGS.



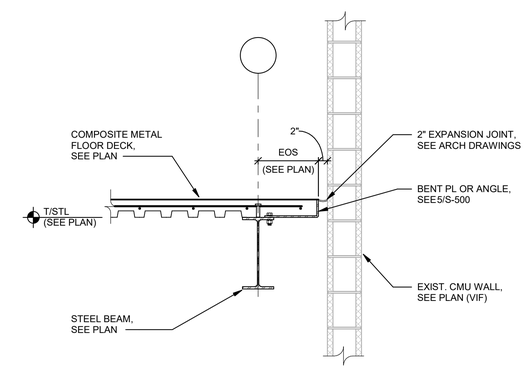
3 S-501 BEAM TO EXISTING GIRDER SHEAR CONNECTION

SCALE: 3/4" = 1'-0"



4 S-501 SECTION AT SHIPS LADDER

SCALE: 3/4" = 1'-0"

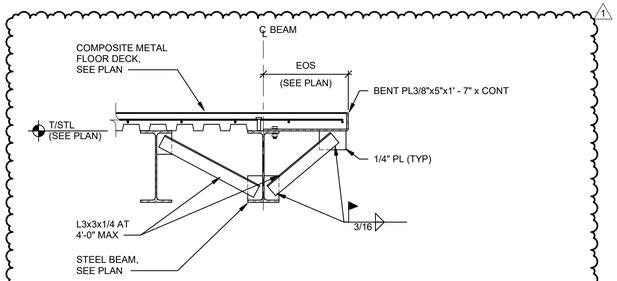


5 S-501 SECTION AT EXPANSION JOINT AT EXISTING CMU WALL

SCALE: 3/4" = 1'-0"

NOTE:

1. FOR ADDITIONAL INFORMATION NOT SHOWN SEE 5/S-500 AND 6/S-500.
2. CONDITION IS SIMILAR AT PERPENDICULAR DECK SPAN.



6 S-501 SECTION AT SLAB EDGE AT CANT STAIR LANDING

SCALE: 3/4" = 1'-0"

NOTES:

COORDINATE L3x3 KICKER LOCATIONS WITH STAIR STRINGER

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RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING

CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK | RYAN CHRISTOPHER JOHNSON | 027587 | LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: OCTOBER 31, 2026

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PROJECT NUMBER: **47477-C**

DESIGNED BY: RJM

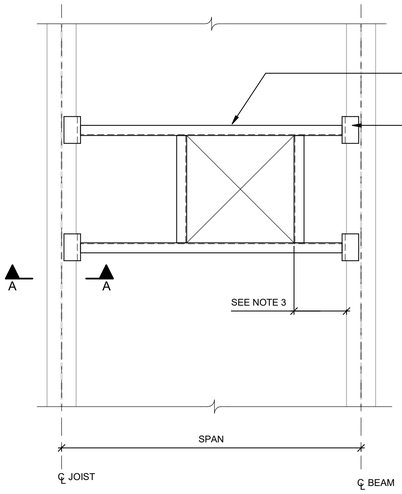
DRAWN BY: RJM

FIELD CHECK:

APPROVED: JCH

SHEET TITLE: FRAMING SECTIONS AND DETAILS

DRAWING NUMBER: **S-501**

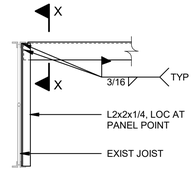


PLAN

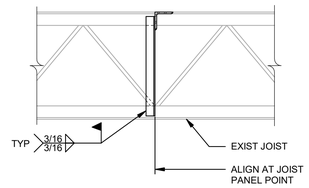
SEE ARCH OR MECH DWGS
FOR FRAME DIMS AND LOCS

SPAN	MEMBER 1	MEMBER 2
L ≤ 4' - 0"	L3x3x1/4	L3x3x1/4
4' - 0" < L ≤ 6' - 0"	L4x4x1/4	L4x3x1/4 (LLV)
6' - 0" < L ≤ 13' - 0"	C6x8.2	L5x3x5/16 (LLV)

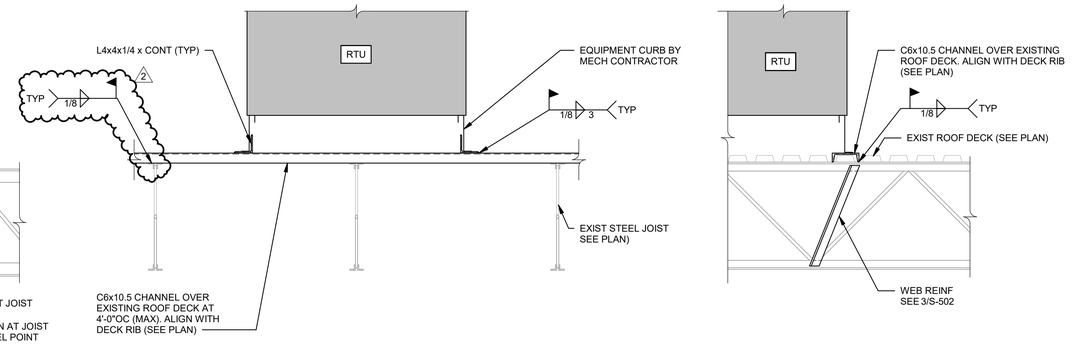
NOTE:
IF FRAME ALSO SUPPORTS A MECH UNIT, UNIT WEIGHT SHALL NOT EXCEED 300 POUNDS.



A - A



X - X



1 S-502 WELDED ANGLE FRAME DETAIL

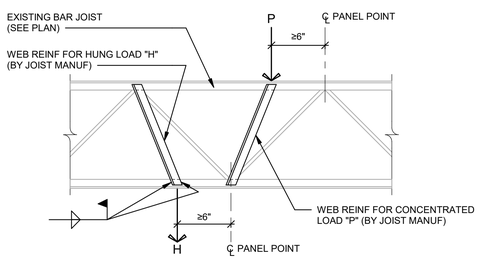
NOT TO SCALE

NOTES:
1. IF FRAME ALSO SUPPORTS A MECHANICAL UNIT, UNIT WEIGHT SHALL NOT EXCEED 300 POUNDS.
2. DETAIL SHOWS DIFFERENT ATTACHMENT METHODS TO DIFFERENT EXISTING FRAME MEMBERS. IF NOT NOTED IN PLAN, USE ATTACHMENT THAT WILL POSITION SUPPORT FRAME TIGHT TO EXISTING ROOF MEMBER. NOTIFY ENGINEER IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN IN SECTIONS A - A, B - B, C - C, OR D - D.
3. WHERE DIMENSION IS LESS THAN 8", OMIT MEMBER 1 PARALLEL TO EXISTING BEAM OR JOIST. TYPICAL (4) SIDES OF PENETRATION.

2 S-502 ROOF TOP CURB DETAIL

NOT TO SCALE

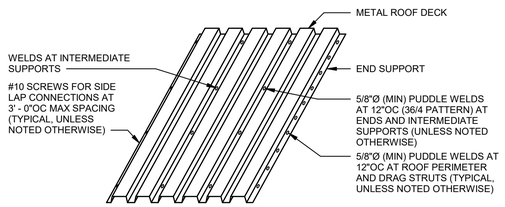
NOTES:
1. NOTIFY ENGINEER IF EQUIPMENT SIZE AND/OR WEIGHT (INCLUDING CURB) EXCEEDS WEIGHT NOTED ON PLANS.
2. IN ADDITION TO CURB SUPPORT FRAME, INSTALL TYPICAL ROOF OPENING FRAME TO SUPPORT DECK AT PERIMETER OF OPENINGS. SEE 1/S-502 FOR ADDITIONAL INFORMATION.
3. ANCHOR CURB TO MISC FRAMING SHOWN AS REQUIRED FOR WIND AND/OR SEISMIC FORCES ON SHEET S-001 COORDINATE WITH EQUIPMENT/CURB MANUFACTURER.
4. COORDINATE SIZE AND LOCATION OF EQUIPMENT CURB WITH MECHANICAL CONTRACTOR. CURB SHALL BE SUPPORTED ON ALL SIDES.



NOTES:
1. PROVIDE WEB REINFORCING WHEN "P" AND "H" EXCEED 100 POUNDS. NOTIFY ENGINEER IF "P" OR "H" EXCEED 300 POUNDS.
2. GENERAL CONTRACTOR TO COORDINATE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, AND EQUIPMENT SUPPLIERS, FOR EQUIPMENT LOCATIONS AND WEIGHT. PROVIDE TO JOIST MANUFACTURER FOR INCLUSION IN JOIST DESIGN.
3. MINIMUM WEB REINFORCING SHALL BE L1 1/2x1 1/2x3/16 EACH SIDE OF JOIST. JOIST MANUFACTURER SHALL PROVIDE LARGER SIZE IF REQUIRED BY THE JOIST DESIGN.

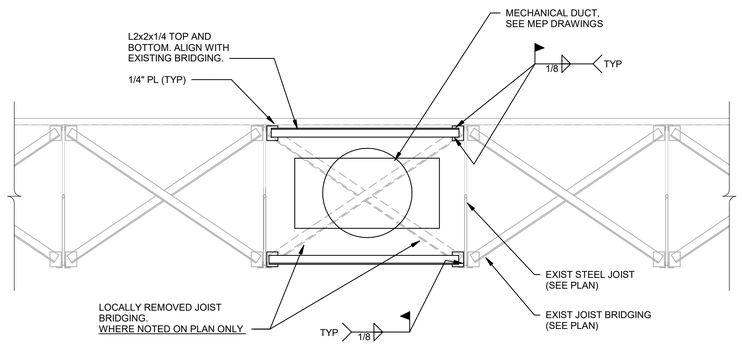
3 S-502 JOIST WEB REINFORCING

NOT TO SCALE



4 S-502 ROOF DECK ATTACHMENT DETAIL

NOT TO SCALE



5 S-502 MODIFIED JOIST BRIDGING AT MECHANICAL DUCT

NOT TO SCALE

NOTES:
1. DETAIL SHOWN IS OPTIONAL TO BE USED AT LOCATIONS SHOWN ON PLAN ONLY. NOTIFY EOR IF DETAIL IS NEEDED AT ADDITIONAL LOCATIONS.

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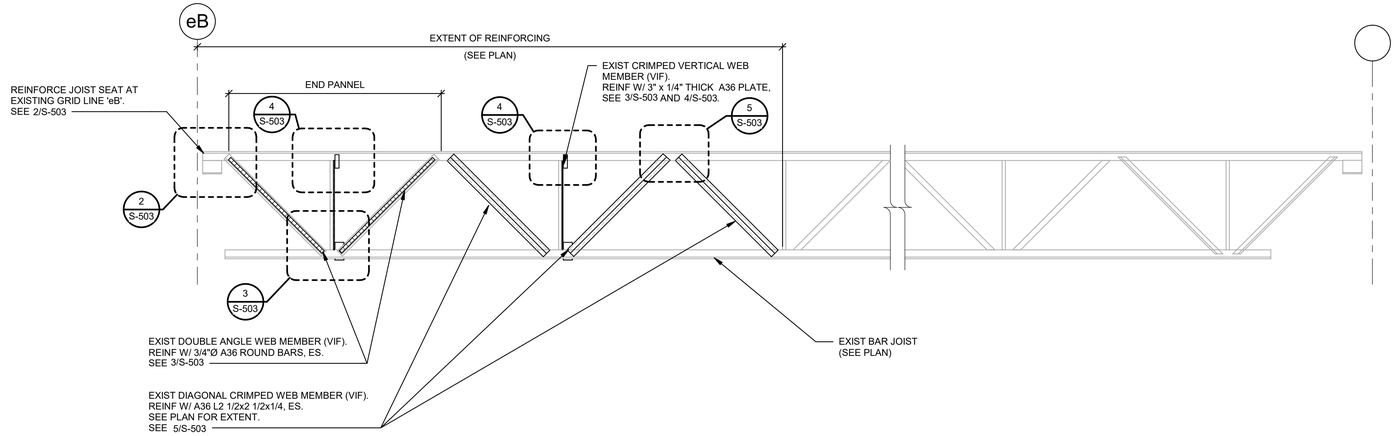
FIELD CHECK:	
APPROVED:	JCH

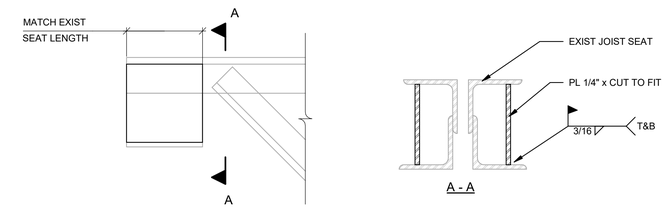
SHEET TITLE:
FRAMING SECTIONS AND DETAILS

DRAWING NUMBER:
S-502



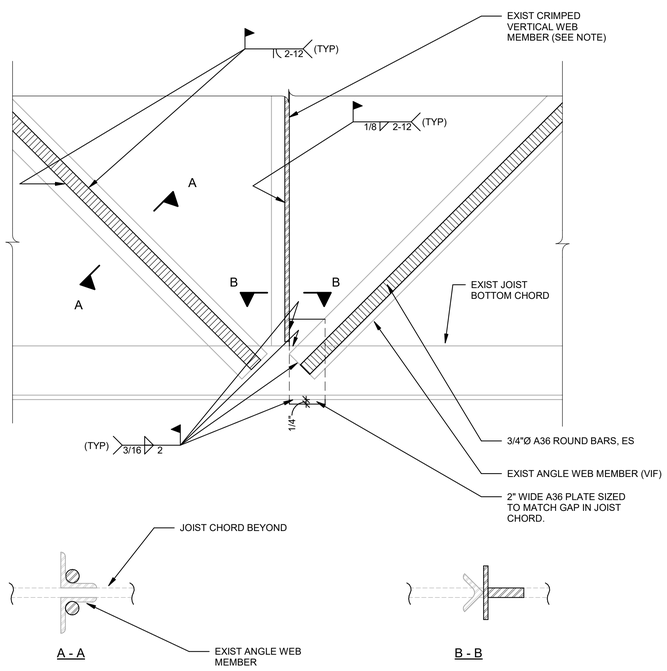
1 S-503 EXISTING JOIST REINFORCING ELEVATION

SCALE: 3/4" = 1'-0"



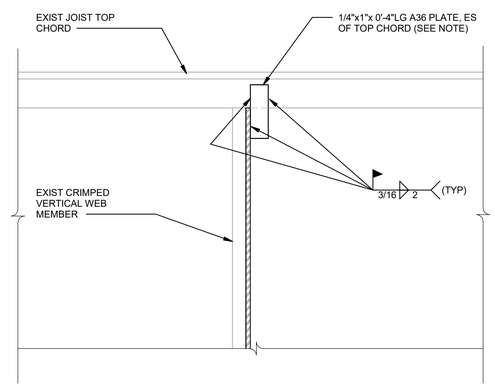
2 S-503 EXISTING JOIST SEAT REINFORCING

SCALE: 3" = 1'-0"



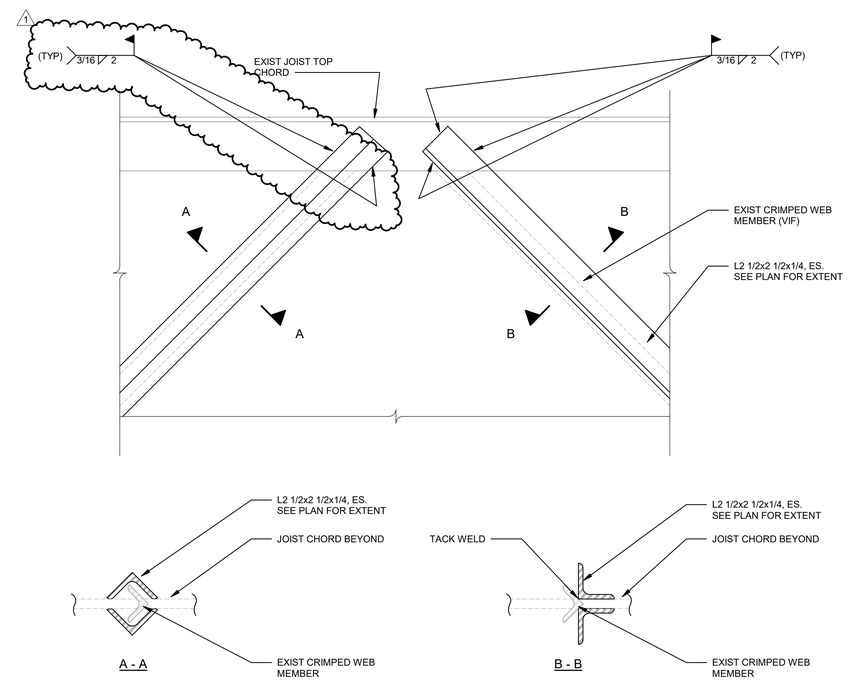
3 S-503 REINFORCING AT EXISTING ANGLE WEB MEMBER

SCALE: 3" = 1'-0"
NOTE:
SEE 4/S-503 FOR REINFORCING AT UPPER END OF CRIMPED VERTICAL WEB MEMBER.



4 S-503 REINFORCING AT EXISTING VERTICAL CRIMPED WEB MEMBER AT END PANNEL

SCALE: 3" = 1'-0"
NOTE:
SEE 3/S-503 FOR REINFORCING AT LOWER END OF CRIMPED VERTICAL WEB MEMBER.



5 S-503 REINFORCING AT EXISTING DIAGONALCRIMPED WEB MEMBER

SCALE: 3" = 1'-0"
NOTE:
CONTRACTOR OPTION TO USE DETAIL "A-A" OR "B-B" AT EXISTING CRIMPED WEB MEMBER

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STATE OF NEW YORK · CHRISTOPHER J. RYAN · 071878 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: OCTOBER 31, 2026

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
NY NATIONAL GUARD ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

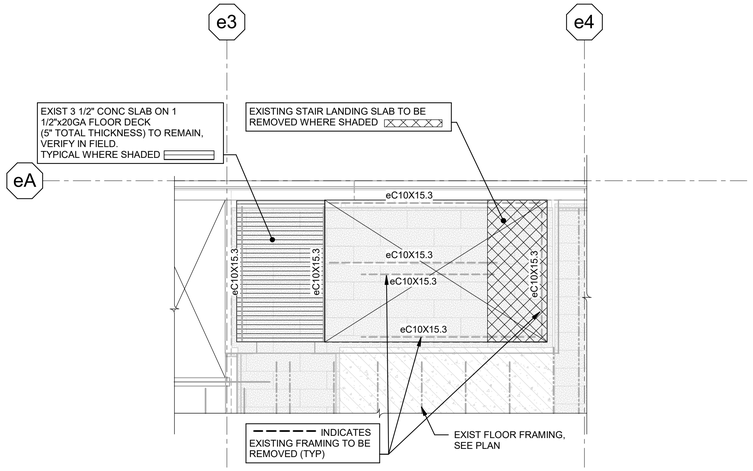
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	RJM
DRAWN BY:	RJM
FIELD CHECK:	
APPROVED:	JCH

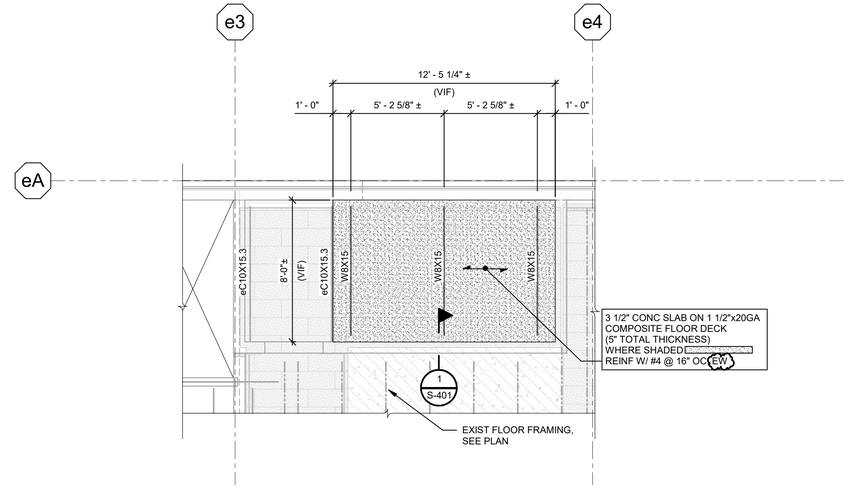
SHEET TITLE:
FRAMING SECTIONS AND DETAILS

DRAWING NUMBER:
S-503

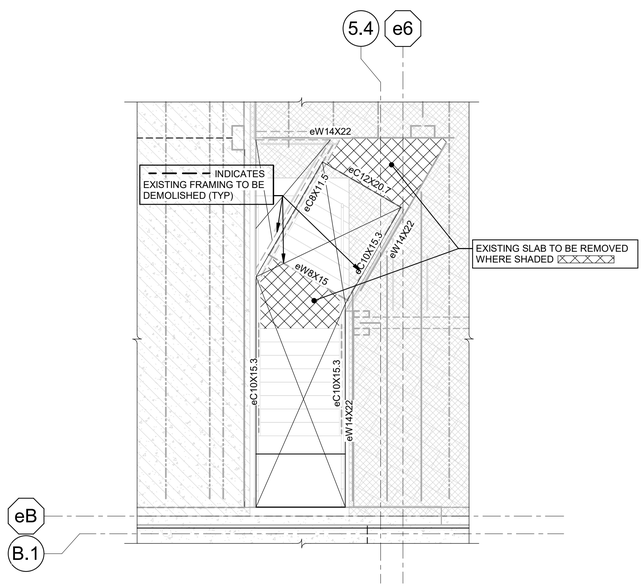
SHEET 38 OF 198



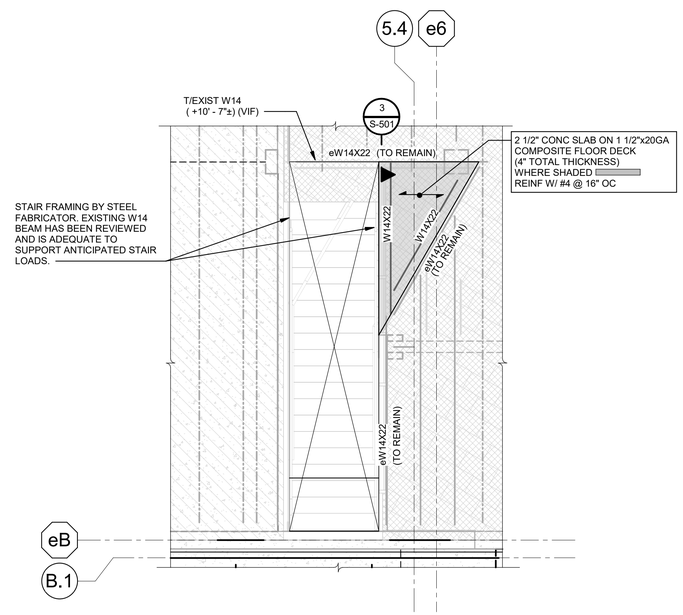
1 S-504 STAIR S1 STRUCTURAL PARTIAL DEMO PLAN
SCALE: 1/4" = 1'-0"



2 S-504 STAIR S1 PARTIAL FRAMING PLAN
SCALE: 1/4" = 1'-0"



3 S-504 STAIR S2 STRUCTURAL PARTIAL DEMO PLAN
SCALE: 1/4" = 1'-0"



4 S-504 STAIR S2 PARTIAL FRAMING PLAN
SCALE: 1/4" = 1'-0"

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING
CERTIFICATE OF AUTHORIZATION #: 0023272

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STATE OF NEW YORK · JOHN CHRISTOPHER HALL · 037475 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
OCTOBER 31, 2026

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CONSTRUCTION

TITLE:
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LOCATION:
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2 QUINCY PLACE
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CLIENT:
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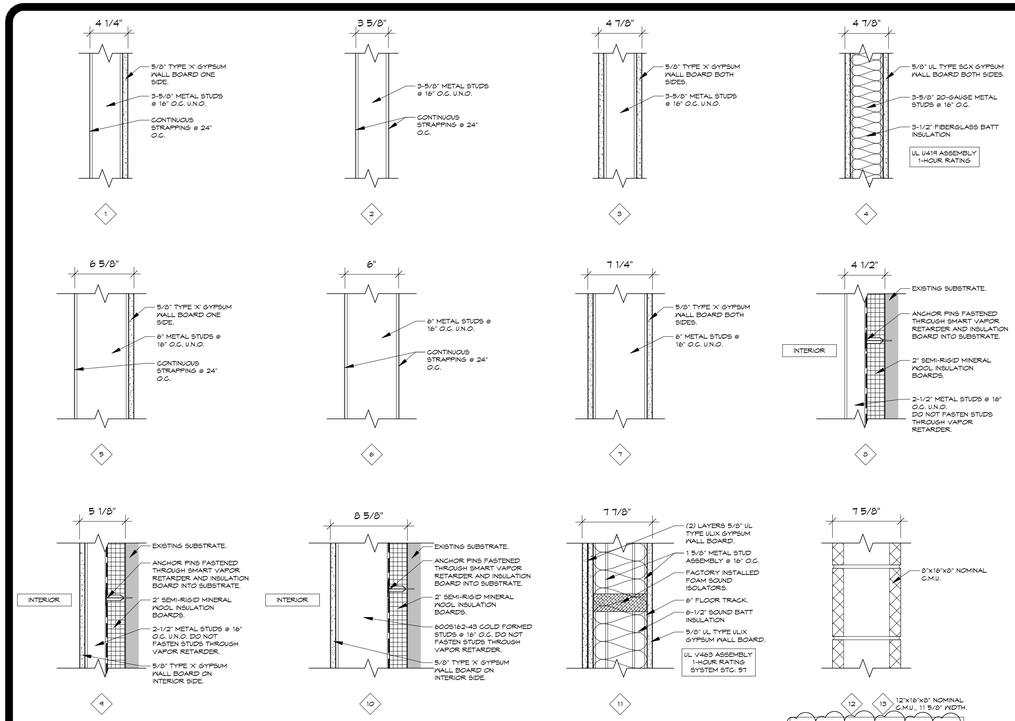
PROJECT NUMBER: **47477-C**

DESIGNED BY: RJM
DRAWN BY: RJM
FIELD CHECK:
APPROVED: JCH

SHEET TITLE:
STAIR PARTIAL FRAMING PLANS

DRAWING NUMBER:
S-504



NOTE: REFER TO STRUCTURAL FOR SPECIFIC GROUTING AND REINFORCING REQUIREMENTS. 1

PARTITION LEGEND NOTES:

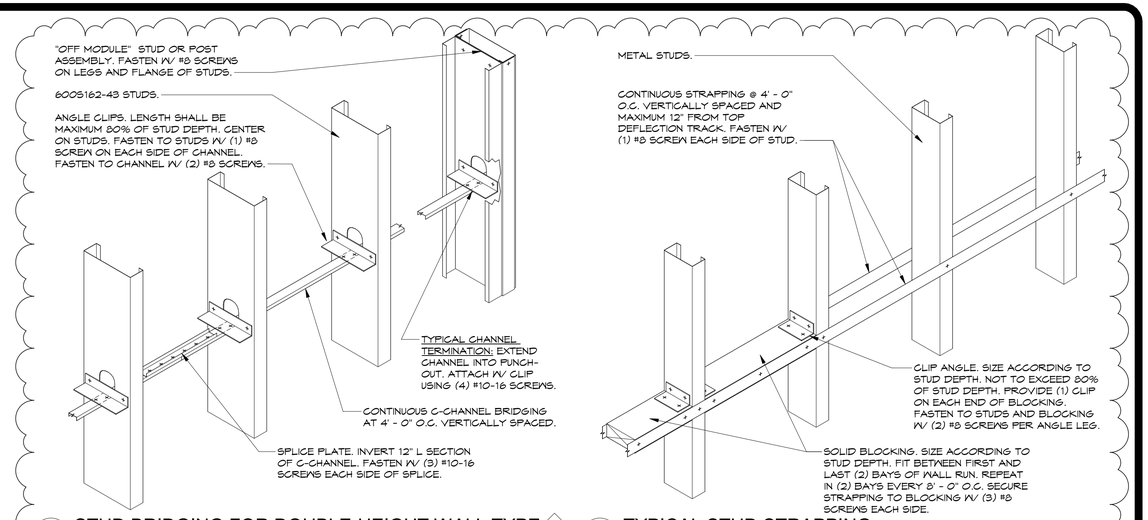
IRRESPECTIVE OF WALL TYPE:

1. PROVIDE MOISTURE RESISTANT GYPSUM WALL BOARD FROM FLOOR TO 4'-0" A.F.F., MINIMUM:
   a. ON ALL NET/PLUMBING WALLS.
   b. ON ALL WALLS IN LATRINES.
   c. ON ALL WALLS IN JANITORS CLOSETS.
2. PROVIDE MOISTURE RESISTANT GYPSUM WALL BOARD FULL HEIGHT:
   a. IN ALL SHOWER ALCOVES.
3. SEE DETAIL 3/A-001 FOR DOUBLE-HEIGHT WALL STUD BRIDGING AND DETAIL 4/A-001 FOR TYPICAL STUD STRAPPING.

NOTE: IN WALL TYPES 8, 9 AND 10, STUDS ARE TO BE PLACED AGAINST INSULATION AND SMART VAPOR RETARDER AND FASTENED AT TOP TO DECK AND BOTTOM TO FLOOR. DO NOT DRIVE FASTENERS THROUGH RETARDER. ONLY SPECIFIED SMART VAPOR RETARDER ANCHOR PINS SHOULD PENETRATE SMART VAPOR RETARDER. 2

1 PARTITION LEGEND

SCALE : 1 1/2" = 1'-0"



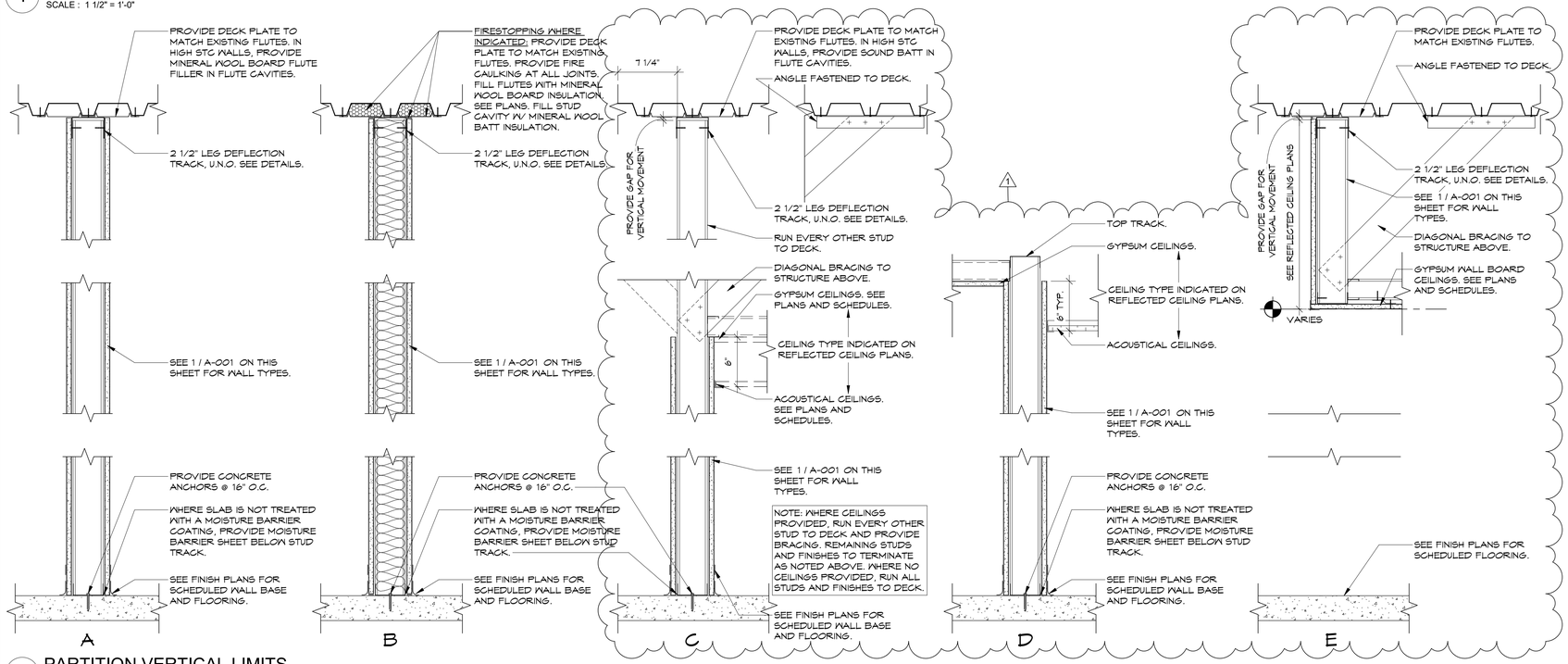
3 STUD BRIDGING FOR DOUBLE-HEIGHT WALL TYPE 10A

SCALE : 1 1/2" = 1'-0"

4 TYPICAL STUD STRAPPING

SCALE : 1 1/2" = 1'-0"

1



2 PARTITION VERTICAL LIMITS

SCALE : 1 1/2" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

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DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

PARTITION INFORMATION

DRAWING NUMBER:

A-001

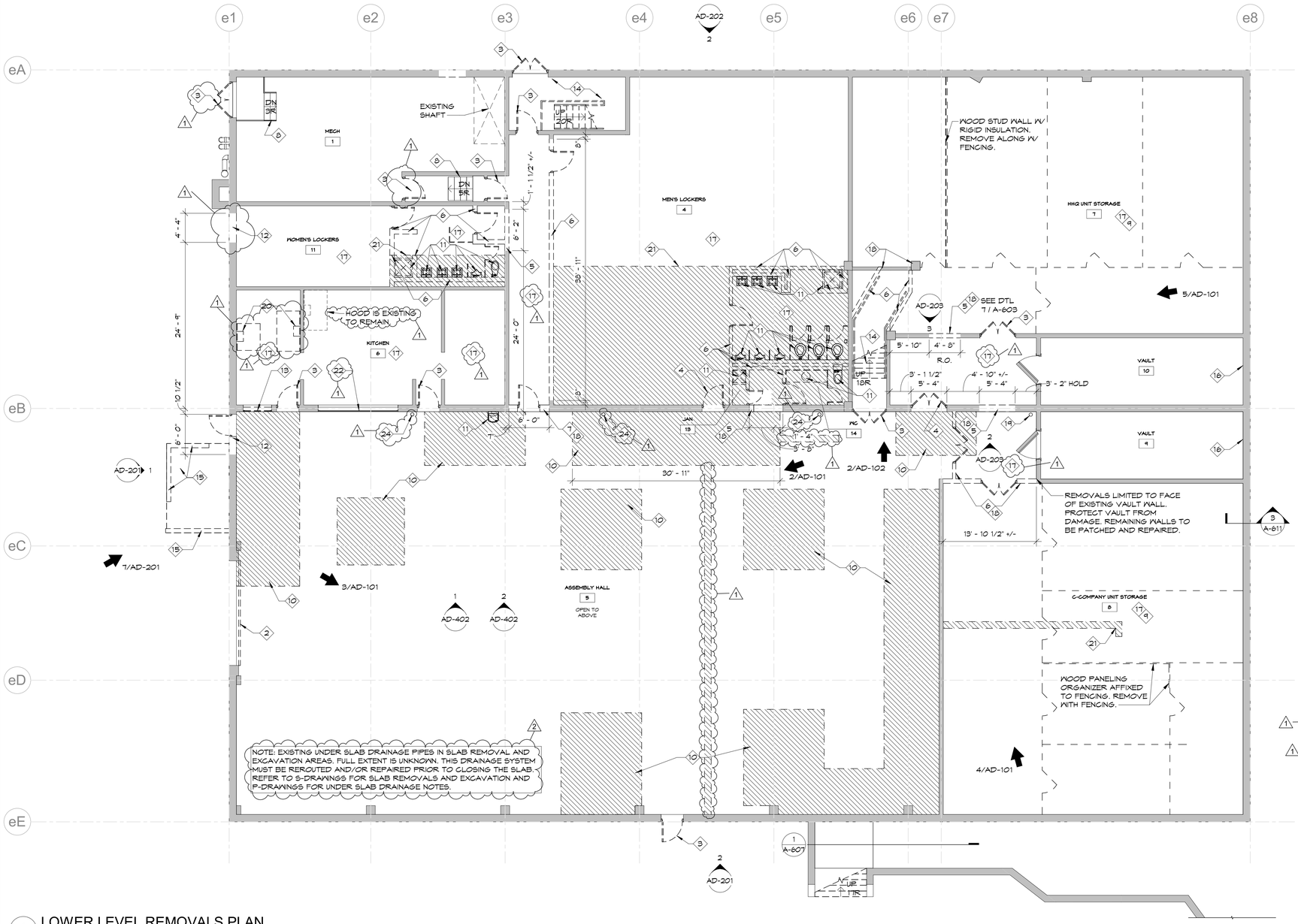
SHEET 40 OF 198

2 PHOTO 1 - OVERALL DRILL HALL
SCALE: N.T.S.

3 PHOTO 2 - OVERALL DRILL HALL
SCALE: N.T.S.

4 PHOTO 3 - C-COMP UNIT STORAGE
SCALE: N.T.S.

5 PHOTO 4 - HHQ UNIT STORAGE
SCALE: N.T.S.



1 LOWER LEVEL REMOVALS PLAN
SCALE : 1/8" = 1'-0"

GENERAL REMOVAL NOTES:

A. BUILDING WILL BE UNOCCUPIED FOR DURATION OF CONSTRUCTION. BUILDING WILL BE TURNED OVER TO CONTRACTOR FOR THE DURATION OF WORK. CONTRACTOR IS RESPONSIBLE FOR SECURING BUILDING.

B. DIMENSIONS GIVEN ARE FOR REFERENCE ONLY. FIELD VERIFYING THE EXISTING BUILDING EXTENT AND MEASUREMENTS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. FIELD VERIFY ALL EXISTING CONDITIONS AND CONFIRM THAT DETAILS AS SHOWN WILL INTERFACE WITH THOSE CONDITIONS.

C. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 017423.

D. MECHANICAL
   1. COORDINATE ALL TEMPORARY ELECTRIC, GAS OR MECHANICAL UNIT etc. SHUTDOWNS WITH DIRECTOR'S REPRESENTATIVE. REFER TO THE H-DRAWINGS.
   2. TEMPORARY HEAT SHALL BE PROVIDED BY C-CONTRACTOR AND COORDINATED WITH H-CONTRACTOR.

E. ELECTRICAL
   1. DISCONNECT ANY POWER OR LIGHTING CONNECTIONS, AS NECESSARY AT CEILING REMOVALS PRIOR TO COMMENCEMENT OF WORK. COORDINATE DISRUPTIONS WITH DIRECTOR'S REPRESENTATIVE. REFER TO E-CONTRACT DRAWINGS FOR THE ELECTRICAL SCOPE OF WORK.

F. FURNITURE AND EQUIPMENT REMOVALS ARE TO BE COMPLETED BY THE FACILITY. ANY FF&E REMOVALS INDICATED ON PLANS ARE FOR REFERENCE, ONLY.

G. IN ORDER TO MAINTAIN BUILDING SECURITY, ALL EXTERIOR DOORS IDENTIFIED FOR REMOVAL TO REMAIN IN PLACE AND SECURED FOR DURATION OF WORK ON SITE. REMOVAL AND REPLACEMENT OF EXTERIOR DOORS SHALL TAKE PLACE DURING THE FINAL PHASES OF CONSTRUCTION PRIOR TO TURNOVER TO DIRECTOR.

H. FLOORING IN THE CONTRACT AREA CONSISTS OF CAST-IN-PLACE CONCRETE SLAB-ON-GRADE (LOWER LEVEL) OR C.I.P. ON METAL DECK (UPPER LEVEL) WITH VARIED FLOOR FINISHES. ALL EXISTING FLOOR FINISHES TO BE REMOVED.

I. REMOVE ALL ADHESIVE & GLUE RESIDUES FROM SUBSTRATES IN PREPARATION FOR INSTALLATION OF PROVIDED FINISHES.

J. CMU AND CAST IN PLACE STRUCTURAL COLUMNS AND PILASTERS WITHIN THE SPACE ARE SHOWN IN PLAN AND VARY IN SHAPE AND SIZE. COLUMNS ARE NOT TO BE DISTURBED DURING ADJACENT REMOVALS.

K. UPON REMOVAL OF DOORS, CONTRACTOR IS REQUIRED TO LABEL AND TURN OVER ALL LOCKING HARDWARE TO DIRECTOR'S REPRESENTATIVE.

KEYNOTES - FLOOR PLAN REMOVALS

NUMBER	KEYNOTE
2	REMOVE OVERHEAD DOOR, JAMB ANGLES, SHROUD, MOTORS AND ASSOCIATED HARDWARE.
3	REMOVE DOOR AND FRAME. OPENING TO REMAIN.
4	REMOVE DOOR AND FRAME. PREPARE OPENING TO RECEIVE MATCHING CMU INFILL.
5	REMOVE MASONRY WALL PARTITION PARTIAL HEIGHT TO EXTENTS INDICATED FOR INSTALLATION OF WINDOW OR DOOR AND FRAME.
6	REMOVE MASONRY WALL PARTITION IN ITS ENTIRETY. PROVIDE SHORING MEETING MINIMUM SPECIFICATIONS TO MAINTAIN STABILITY OF WALLS EXISTING TO REMAIN DURING STRUCTURAL MODIFICATIONS. REFER TO STRUCTURAL. AT INTERSECTIONS WITH WALLS EXISTING TO REMAIN, SAW CUT SHARED MASONRY UNITS.
7	REMOVE MASONRY WALL PARTITION FULL HEIGHT TO EXTENTS INDICATED. REMOVE ANY DOORS AND FRAMES WITHIN WALL.
8	EXISTING STAIRS TO REMAIN.
9	REMOVE AND DISCARD EXISTING WIRE MESH PARTITIONS AND GATES.
10	CUT AND REMOVE EXISTING CONCRETE SLAB AND WHERE APPLICABLE, METAL DECK. AREAS INDICATED FOR REMOVAL ARE APPROXIMATE. REFER TO STRUCTURAL DRAWINGS FOR EXTENTS AND DETAILS.
11	REMOVE PLUMBING FIXTURES, WITH ASSOCIATED HARDWARE, PARTITIONS AND ACCESSORIES IF APPLICABLE. REFER TO MEP DRAWINGS FOR DETAILS.
12	REMOVE EXTERIOR WALL TO EXTENTS INDICATED. PROVIDE SHORING MEETING MINIMUM SPECIFICATIONS TO MAINTAIN STABILITY FOR LINTEL INSTALLATION. REFER TO STRUCTURAL. SAW CUT CMU AND BRICK, REMOVE MEMBRANES AT PERIMETER AND PREPARE TO REFLASH.
13	REMOVE ROLL-UP SHUTTER. PREPARE OPENING FOR MASONRY INFILL.
14	REMOVE INTERIOR METAL PAN STAIRS, LANDING AND RAILING IN ITS ENTIRETY. SEE STRUCTURAL FOR FRAMING REMOVALS.
15	REMOVE EXTERIOR PATIO SLAB, BRICK, CMU WALLS AND ASSOCIATED FOUNDATIONS.
16	SCRAPE FAILING PAINT AND OTHER DEBRIS FROM WALLS WITHIN VAULT. PROVIDE CLEAN, FINISH-READY SURFACE.
17	REMOVE CEILINGS, SOFFITS, GRIDS, LIGHT FIXTURES, SMOKE DETECTORS, ALARM ANNUNCIATORS, ACCESS POINTS AND OTHER ASSOCIATED CEILING-MOUNTED SYSTEMS, HARDWARE AND CONDUITS. REFER TO H-, P-, AND E-CONTRACTS FOR ADDITIONAL INFORMATION.
18	COORDINATE WITH STRUCTURAL FOR SHORING AND LINTEL INSTALLATION, TYPICAL.
19	EXISTING DRAIN LEADER TO REMAIN, TYP. PROTECT DURING WORK. SEE P-CONTRACT.
20	REMOVE EXISTING KITCHEN HOODS, DUCTING, AND ANY ASSOCIATED ANSUL SYSTEMS. REFER TO MECHANICAL.
21	CUT AND REMOVE EXISTING CONCRETE SLAB FOR REMOVAL AND PLACEMENT OF PLUMBING. AREAS INDICATED FOR REMOVAL ARE APPROXIMATE. REFER TO P-CONTRACT DRAWINGS FOR EXTENTS AND DETAILS.
22	EXISTING SHUTTER TO REMAIN.
24	REMOVE SECTION OF EXISTING DRAIN LEADER. SEE P-CONTRACT.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

REMOVALS SYMBOLS LEGEND

	ELEVATION
X/A-XXX	PHOTO # REFERENCE
	DENOTES APPROXIMATE EXTENT OF INTERIOR SLAB REMOVALS. VERIFY EXTENTS W/ STRUCTURAL DWGS, H-, P- AND E- CONTRACTS.
R.O.	APPROXIMATE LOCATION OF ROOF CUT.

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DESIGN & CONSTRUCTION

CONSULTANT
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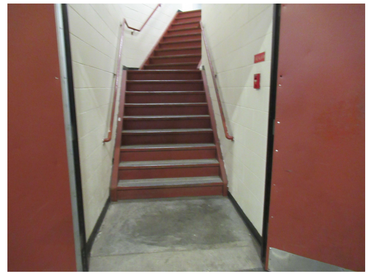
PROJECT NUMBER: 47477-C
DESIGNED BY: GBT/JLP
DRAWN BY: GBT
FIELD CHECK: JLP
APPROVED: DKA

SHEET TITLE:
LOWER LEVEL REMOVALS PLAN

DRAWING NUMBER:
AD-101

SHEET 41 OF 198

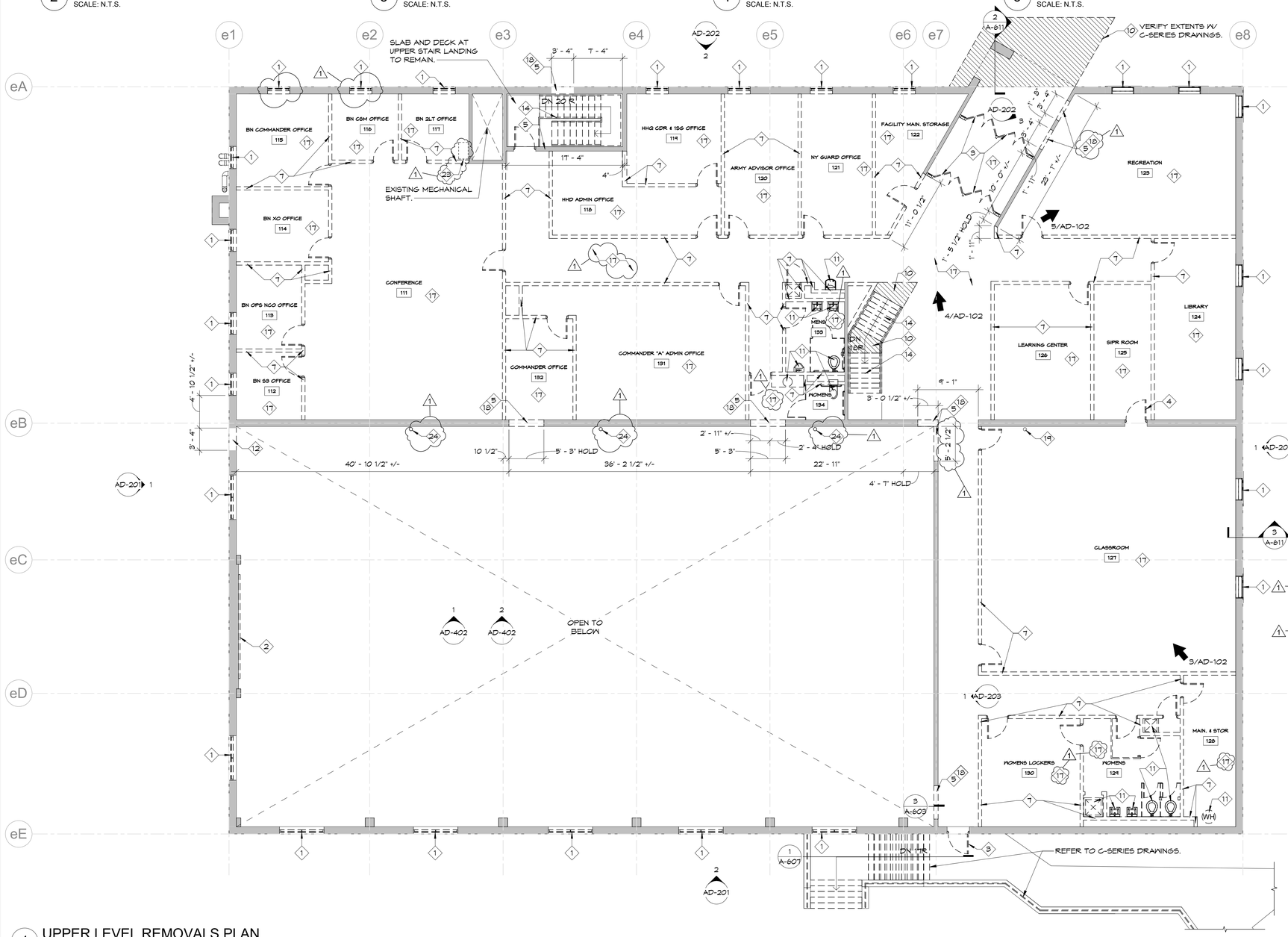


2 PHOTO 5 - EXISTING STAIR
SCALE: N.T.S.

3 PHOTO 6 - CLASSROOM 127
SCALE: N.T.S.

4 PHOTO 7 - LOBBY
SCALE: N.T.S.

5 PHOTO 8 - RECREATION 123
SCALE: N.T.S.



1 UPPER LEVEL REMOVALS PLAN
SCALE : 1/8" = 1'-0"

GENERAL REMOVAL NOTES:

A. BUILDING WILL BE UNOCCUPIED FOR DURATION OF CONSTRUCTION. BUILDING WILL BE TURNED OVER TO CONTRACTOR FOR THE DURATION OF WORK. CONTRACTOR IS RESPONSIBLE FOR SECURING BUILDING.

B. DIMENSIONS GIVEN ARE FOR REFERENCE ONLY. FIELD VERIFYING THE EXISTING BUILDING EXTENT AND MEASUREMENTS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. FIELD VERIFY ALL EXISTING CONDITIONS AND CONFIRM THAT DETAILS AS SHOWN WILL INTERFACE WITH THOSE CONDITIONS.

C. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 017423.

D. MECHANICAL
1. COORDINATE ALL TEMPORARY ELECTRIC, GAS OR MECHANICAL UNIT etc. SHUTDOWNS WITH DIRECTOR'S REPRESENTATIVE. REFER TO THE H-DRAWINGS.
2. TEMPORARY HEAT SHALL BE PROVIDED BY C-CONTRACTOR AND COORDINATED WITH H-CONTRACTOR.

E. ELECTRICAL
1. DISCONNECT ANY POWER OR LIGHTING CONNECTIONS, AS NECESSARY AT CEILING REMOVALS PRIOR TO COMMENCEMENT OF WORK. COORDINATE DISRUPTIONS WITH DIRECTOR'S REPRESENTATIVE. REFER TO E-CONTRACT DRAWINGS FOR THE ELECTRICAL SCOPE OF WORK.

F. FURNITURE AND EQUIPMENT REMOVALS ARE TO BE COMPLETED BY THE FACILITY. ANY FF&E REMOVALS INDICATED ON PLANS ARE FOR REFERENCE, ONLY.

G. IN ORDER TO MAINTAIN BUILDING SECURITY, ALL EXTERIOR DOORS IDENTIFIED FOR REMOVAL TO REMAIN IN PLACE AND SECURED FOR DURATION OF WORK ON SITE. REMOVAL AND REPLACEMENT OF EXTERIOR DOORS SHALL TAKE PLACE DURING THE FINAL PHASES OF CONSTRUCTION PRIOR TO TURNOVER TO DIRECTOR.

H. FLOORING IN THE CONTRACT AREA CONSISTS OF CAST-IN-PLACE CONCRETE SLAB-ON-GRADE (LOWER LEVEL) OR C.I.P. ON METAL DECK (UPPER LEVEL) WITH VARIED FLOOR FINISHES. ALL EXISTING FLOOR FINISHES TO BE REMOVED.

I. REMOVE ALL ADHESIVE & GLUE RESIDUES FROM SUBSTRATES IN PREPARATION FOR INSTALLATION OF PROVIDED FINISHES.

J. CMU AND CAST IN PLACE STRUCTURAL COLUMNS AND PILASTERS WITHIN THE SPACE ARE SHOWN IN PLAN AND VARY IN SHAPE AND SIZE. COLUMNS ARE NOT TO BE DISTURBED DURING ADJACENT REMOVALS.

K. UPON REMOVAL OF DOORS, CONTRACTOR IS REQUIRED TO LABEL AND TURN OVER ALL LOCKING HARDWARE TO DIRECTOR'S REPRESENTATIVE.

KEYNOTES - FLOOR PLAN REMOVALS

NUMBER	KEYNOTE
1	REMOVE WINDOW, TRIM, INTERIOR WINDOW STOOL AND WINDOW RECEIVERS. REFER TO HAZARD DRAWINGS FOR ACM REMOVALS. PREPARE OPENING TO RECEIVE WINDOW INFILL.
2	REMOVE OVERHEAD DOOR, JAMB ANGLES, SHROUD, MOTORS AND ASSOCIATED HARDWARE.
3	REMOVE DOOR AND FRAME. OPENING TO REMAIN.
4	REMOVE DOOR AND FRAME. PREPARE OPENING TO RECEIVE MATCHING CMU INFILL.
5	REMOVE MASONRY WALL PARTITION PARTIAL HEIGHT TO EXTENTS INDICATED FOR INSTALLATION OF WINDOW OR DOOR AND FRAME.
7	REMOVE MASONRY WALL PARTITION FULL HEIGHT TO EXTENTS INDICATED. REMOVE ANY DOORS AND FRAMES WITHIN WALL.
10	CUT AND REMOVE EXISTING CONCRETE SLAB AND WHERE APPLICABLE, METAL DECK. AREAS INDICATED FOR REMOVAL ARE APPROXIMATE. REFER TO STRUCTURAL DRAWINGS FOR EXTENTS AND DETAILS.
11	REMOVE PLUMBING FIXTURES, WITH ASSOCIATED HARDWARE, PARTITIONS AND ACCESSORIES IF APPLICABLE. REFER TO MEP DRAWINGS FOR DETAILS.
12	REMOVE EXTERIOR WALL TO EXTENTS INDICATED. PROVIDE SHORING MEETING MINIMUM SPECIFICATIONS TO MAINTAIN STABILITY FOR LINTEL INSTALLATION. REFER TO STRUCTURAL. SAW CUT CMU AND BRICK, REMOVE MEMBRANES AT PERIMETER AND PREPARE TO REFLASH.
14	REMOVE INTERIOR METAL PAN STAIRS, LANDING AND RAILING IN ITS ENTIRETY. SEE STRUCTURAL FOR FRAMING REMOVALS.
17	REMOVE CEILINGS, SOFFITS, GRIDS, LIGHT FIXTURES, SMOKE DETECTORS, ALARM ANNUNCIATORS, ACCESS POINTS AND OTHER ASSOCIATED CEILING-MOUNTED SYSTEMS, HARDWARE AND CONDUITS. REFER TO H-, P-, AND E-CONTRACTS FOR ADDITIONAL INFORMATION.
18	COORDINATE WITH STRUCTURAL FOR SHORING AND LINTEL INSTALLATION, TYPICAL.
19	EXISTING DRAIN LEADER TO REMAIN, TYP. PROTECT DURING WORK. SEE P-CONTRACT.
23	APPROXIMATE LOCATION OF EXISTING REFRIGERANT PIPING TO BE REMOVED. REFER TO H- AND P-CONTRACTS.
24	REMOVE SECTION OF EXISTING DRAIN LEADER. SEE P-CONTRACT.
1	KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

REMOVALS SYMBOLS LEGEND

-	ELEVATION
X/A-XXX	PHOTO # REFERENCE
	DENOTES APPROXIMATE EXTENT OF INTERIOR SLAB REMOVALS. VERIFY EXTENTS W/ STRUCTURAL DWGS, H-, P- AND E- CONTRACTS.
R.C.	APPROXIMATE LOCATION OF ROOF CUT.

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FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
UPPER LEVEL REMOVALS PLAN

DRAWING NUMBER:
AD-102

SHEET 42 OF 198

2 PHOTO 1 - EXIST. ROOF HATCH
SCALE: N.T.S.

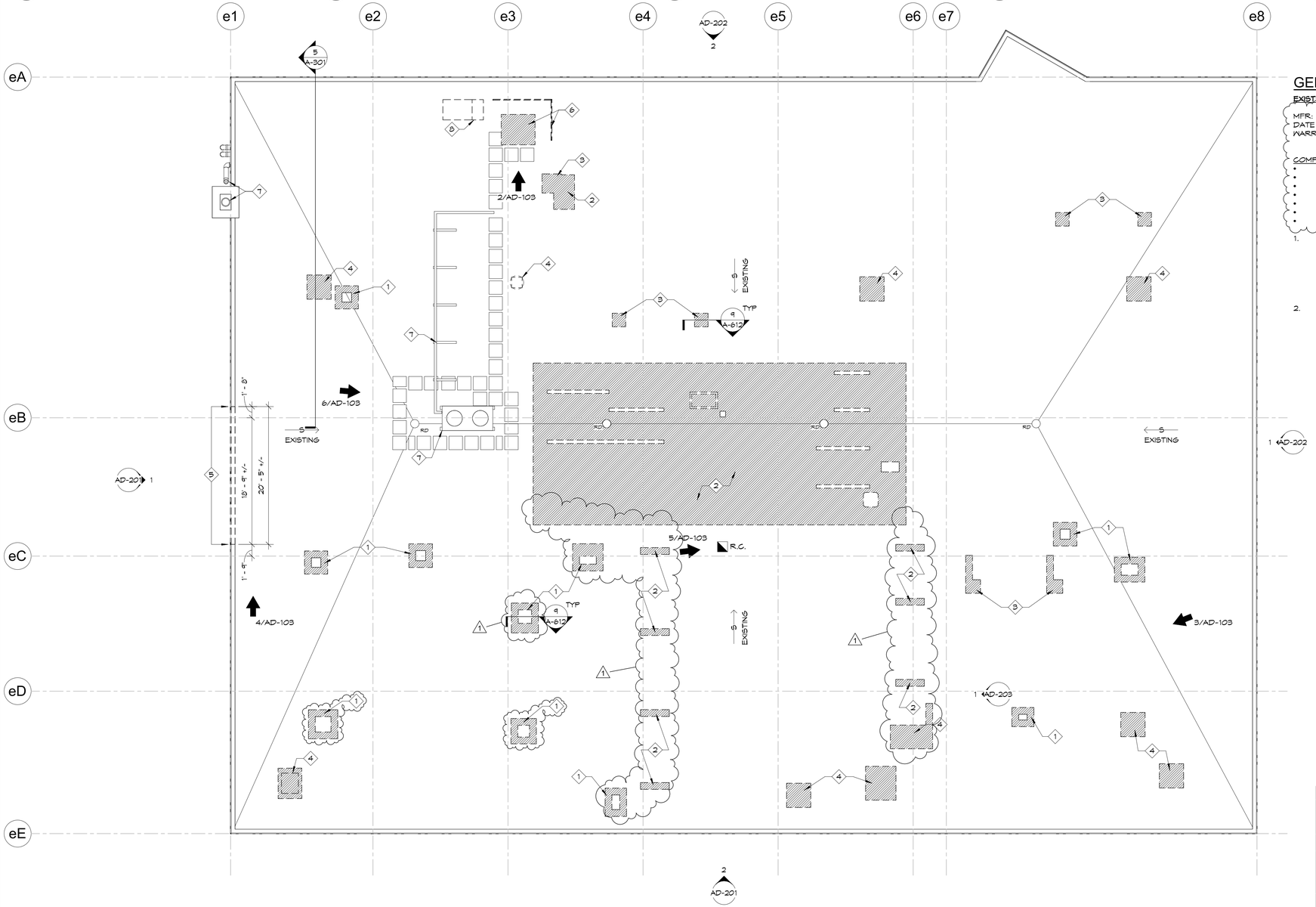
3 PHOTO 2 - ROOF LOOKING SOUTHWEST
SCALE: N.T.S.

4 PHOTO 3 - WEST ROOF EDGE
SCALE: N.T.S.

THICKNESS IS MEASURED FROM FACE OF UNDERLAYMENT BOARD.

5 PHOTO 4 - EXISTING ROOF CUT
SCALE: N.T.S.

6 PHOTO 5 - EXISTING MECH EQUIP
SCALE: N.T.S.



1 ROOF REMOVALS PLAN
SCALE : 1/8" = 1'-0"

GENERAL ROOFING REMOVAL NOTES:

EXISTING ROOF ASSEMBLY:

MFR. FIRESTONE (NON ELEVATE)
DATE INSTALLED: 2013
WARRANTY: 20 YEAR NDL WARRANTY - EXPIRES 2033
SEE SPECIFICATIONS FOR WARRANTY CERTIFICATE

COMPONENTS OF ROOF ASSEMBLY (BASED OFF OF ROOF CUTS, 2019):

- 0.090" EPDM SINGLE PLY MEMBRANE, FULLY ADHERED TO;
- 1/2" GYPSUM COVER BOARD, FULLY ADHERED TO;
- +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
- +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
- VAPOR RETARDER, FULLY ADHERED TO;
- 1/2" GYPSUM UNDERLAYMENT BOARD, MECHANICALLY FASTENED TO;
- STEEL DECK

1. PRIOR TO THE START OF WORK, CONTRACTOR SHALL VERIFY WITH ROOFING MANUFACTURER THE REQUIREMENTS FOR MAINTAINING THE BALANCE OF EXISTING ROOF WARRANTY. CONTRACTOR IS REQUIRED TO FOLLOW MANUFACTURER'S WARRANTY PROCEDURES THROUGHOUT CONSTRUCTION, SUCH THAT THE EXISTING ROOF WARRANTY REMAINS IN EFFECT AT BUILDING TURNOVER TO DIRECTOR'S REPRESENTATIVE.

2. PROVIDE OSHA-APPROVED, BALLASTED TEMPORARY FALL PROTECTION AT ROOFING PERIMETER WHERE WORK OCCURS WITHIN 10 FEET OF ROOF EDGE. DO NOT PENETRATE EXISTING ROOFING MEMBRANE EXCEPT IN AREAS IDENTIFIED IN THIS DOCUMENT SET. MAINTAIN FALL PROTECTION FOR DURATION OF WORK.

KEYNOTES - ROOF REMOVALS	
KEYNOTE	NOTE
1	AREA OF REMOVALS FOR DUCT PENETRATIONS. REFER TO MECHANICAL DRAWINGS. REFER TO STRUCTURAL FOR REINFORCMENT OF DECK OPENING.
2	REMOVE ROOFING TO DECK FOR PLACEMENT OF MECHANICAL EQUIPMENT CURB AND/OR DUCTING SUPPORT. REFER TO MECHANICAL DRAWINGS FOR FINAL LOCATIONS.
3	REMOVE DECK FOR CONDUIT OR PIPING PENETRATION.
4	REMOVE EXISTING MECHANICAL EQUIPMENT, DUCTING, AND SUPPORT CURBING (REFER TO H-CONTRACT FOR EXTENTS) PROTECT ROOF PRIOR TO PATCHING. REFER TO STRUCTURAL FOR DECK INFILL.
5	REMOVE EXISTING GRAVEL STOP COPING. COORDINATE EXTENT OF REMOVALS WITH CONSTRUCTION OF ADDITION. PROTECT MEMBRANE AND PREVENT MOISTURE INFILTRATION FOR DURATION OF WORK.
6	REMOVE EXISTING ROOF HATCH AND GUARD RAILS. REFER TO STRUCTURAL FOR DECK INFILL.
7	EXISTING MECHANICAL EQUIPMENT TO REMAIN.
8	REMOVE EXISTING MECHANICAL DUCTING. PENETRATION TO REMAIN FOR REUSE(REFER TO H-CONTRACT FOR EXTENTS)

KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

REMOVALS SYMBOLS LEGEND	
	ELEVATION
X/A-XXX	PHOTO # REFERENCE
	DENOTES APPROXIMATE EXTENT OF ROOF REMOVALS. VERIFY EXTENTS W/ STRUCTURAL DWGS, H-, P- AND E- CONTRACTS.
R.C.	APPROXIMATE LOCATION OF ROOF CUT.

TRUE NORTH
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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
ROOF REMOVALS PLAN

DRAWING NUMBER:
AD-103

SHEET 43 OF 198

3 PHOTO 1 - WEST OH DOOR
SCALE: N.T.S.

4 PHOTO 2 - WEST MECH DOOR
SCALE: N.T.S.

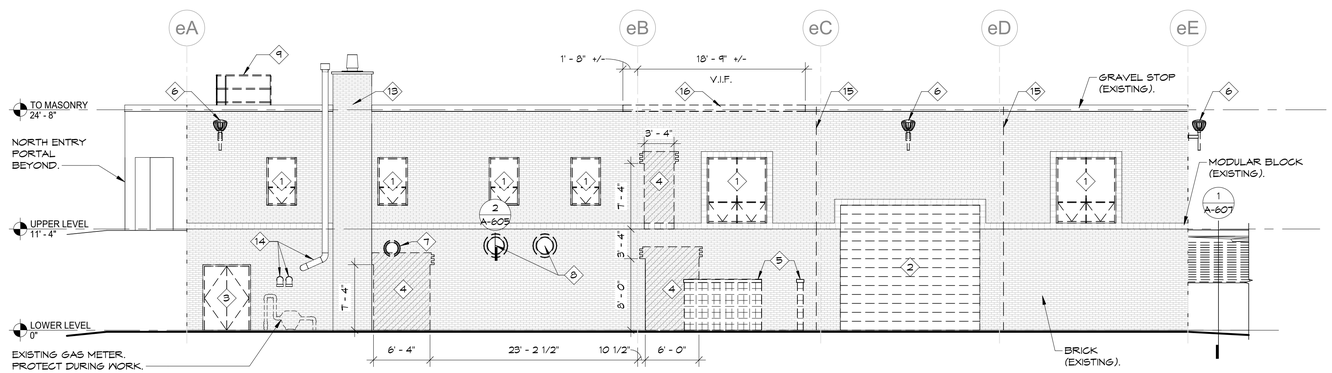
5 PHOTO 3 - SOUTH STAIRS
SCALE: N.T.S.

6 PHOTO 4 - SOUTH WINDOWS
SCALE: N.T.S.

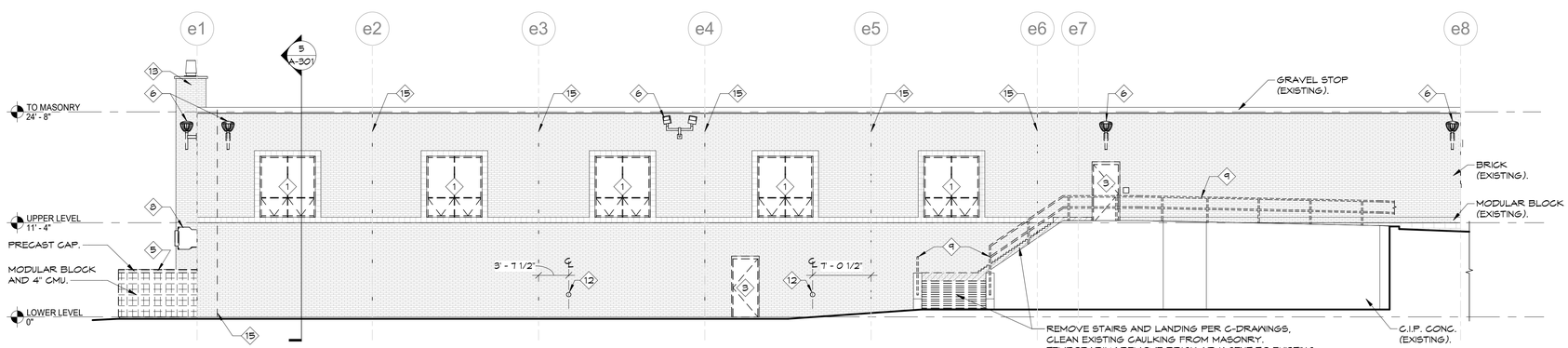
7 PHOTO 5 - WEST PATIO ENCLOSURE
SCALE: N.T.S.

KEYNOTES - EXTERIOR REMOVALS	
NUMBER	KEYNOTE
1	REMOVE WINDOW, TRIM, INTERIOR WINDOW STOOL AND WINDOW RECEIVERS. REFER TO HAZARD DRAWINGS FOR ACM REMOVALS. PREPARE OPENING TO RECEIVE WINDOW INFILL.
2	REMOVE OVERHEAD DOOR, JAMB ANGLES, SHROUD, MOTORS AND ASSOCIATED HARDWARE.
3	REMOVE DOOR AND FRAME. OPENING TO REMAIN.
4	REMOVE EXTERIOR WALL TO EXTENTS INDICATED. PROVIDE SHORING AS REQUIRED TO MAINTAIN STABILITY. SAW CUT CMU AND BRICK. REMOVE MEMBRANES AT PERIMETER AND PREPARE TO REFLASH. SALVAGE BRICK IN GOOD CONDITION, WITH NO CRACKS OR CHIPS.
5	REMOVE EXTERIOR PATIO SLAB, BRICK, CMU WALLS AND ASSOCIATED FOUNDATIONS.
6	REMOVE EXTERIOR LIGHT FIXTURES. PROTECT EXISTING JUNCTION BOXES AND WIRING. REFER TO E-CONTRACT.
7	REMOVE EXISTING EXHAUST FAN AND DUCTING WITHIN EXISTING WOMEN'S LOCKER ROOM. REFER TO H-CONTRACT.
8	REMOVE EXISTING EXHAUST FAN. REMOVE DUCTING. REFER TO MECHANICAL DRAWINGS.
9	REMOVE EXISTING HAND AND GUARD RAILS.
12	CORE MASONRY FOR PASS-THRU CABLE SLEEVE. REFER TO DETAIL 1/A-502. VERIFY FINAL LOCATION W/ DIRECTOR'S REPRESENTATIVE PRIOR TO WORK.
13	EXISTING MASONRY CHIMNEY TO REMAIN.
14	EXISTING MECHANICAL EQUIPMENT TO REMAIN. REFER TO H-CONTRACT.
15	EXISTING VERTICAL CONTROL JOINT. GC TO REMOVE SEALANT AND BACKER AT ALL EXTERIOR VERTICAL CONTROL JOINTS AND PREP FOR REPACKING/RESEALING INCLUDING ANY JOINTS NOT SPECIFICALLY INDICATED IN ELEVATION. 1
16	REMOVE GRAVEL STOP AT LOCATION OF ADDITION. GC IS RESPONSIBLE FOR PREVENTING WATER INFILTRATION FOR THE DURATION OF WORK.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



1 REMOVALS WEST ELEVATION
SCALE : 1/8" = 1'-0"



2 REMOVALS SOUTH ELEVATION
SCALE : 1/8" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

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RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
EXTERIOR ELEVATIONS – REMOVALS

DRAWING NUMBER:
AD-201

SHEET 44 OF 198

4 PHOTO 4 - EAST SIGNAGE
SCALE: N.T.S.

5 PHOTO 5 - EAST EXISTING WINDOW
SCALE: N.T.S.

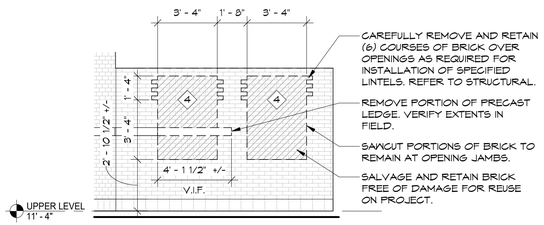
6 PHOTO 7 - NORTH ENTRY
SCALE: N.T.S.

7 PHOTO 8 - NORTH GENERATOR
SCALE: N.T.S.

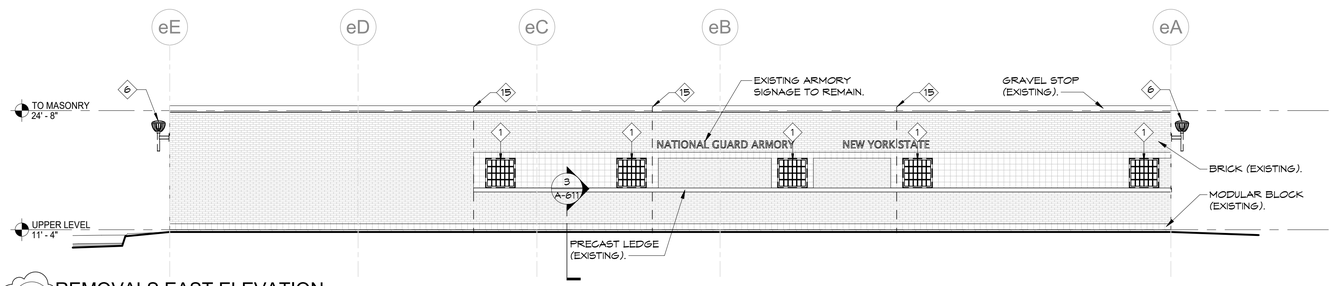
KEYNOTES - EXTERIOR REMOVALS

NUMBER	KEYNOTE
1	REMOVE WINDOW, TRIM, INTERIOR WINDOW STOOL AND WINDOW RECEIVERS. REFER TO HAZARD DRAWINGS FOR ACM REMOVALS. PREPARE OPENING TO RECEIVE WINDOW INFILL.
3	REMOVE DOOR AND FRAME. OPENING TO REMAIN.
4	REMOVE EXTERIOR WALL TO EXTENTS INDICATED. PROVIDE SHORING AS REQUIRED TO MAINTAIN STABILITY. SAW CUT CMU AND BRICK. REMOVE MEMBRANES AT PERIMETER AND PREPARE TO REFLASH. SALVAGE BRICK IN GOOD CONDITION, WITH NO CRACKS OR CHIPS.
5	REMOVE EXTERIOR PATIO SLAB, BRICK, CMU WALLS AND ASSOCIATED FOUNDATIONS.
6	REMOVE EXTERIOR LIGHT FIXTURES. PROTECT EXISTING JUNCTION BOXES AND WIRING. REFER TO E-CONTRACT.
9	REMOVE EXISTING HAND AND GUARD RAILS.
10	REMOVE EXISTING MASONRY WALL PATCH. PREPARE OPENING TO RECEIVE PROVIDED MECHANICAL LOUVER.
11	REMOVE EXISTING GENERATOR PLUG. PATCH MASONRY.
13	EXISTING MASONRY CHIMNEY TO REMAIN.
14	EXISTING MECHANICAL EQUIPMENT TO REMAIN. REFER TO M-CONTRACT.
15	EXISTING VERTICAL CONTROL JOINT. GO TO REMOVE SEALANT AND BACKER AT ALL EXTERIOR VERTICAL CONTROL JOINTS AND PREP FOR REPACKING/RESEALING INCLUDING ANY JOINTS NOT SPECIFICALLY INDICATED IN ELEVATION.

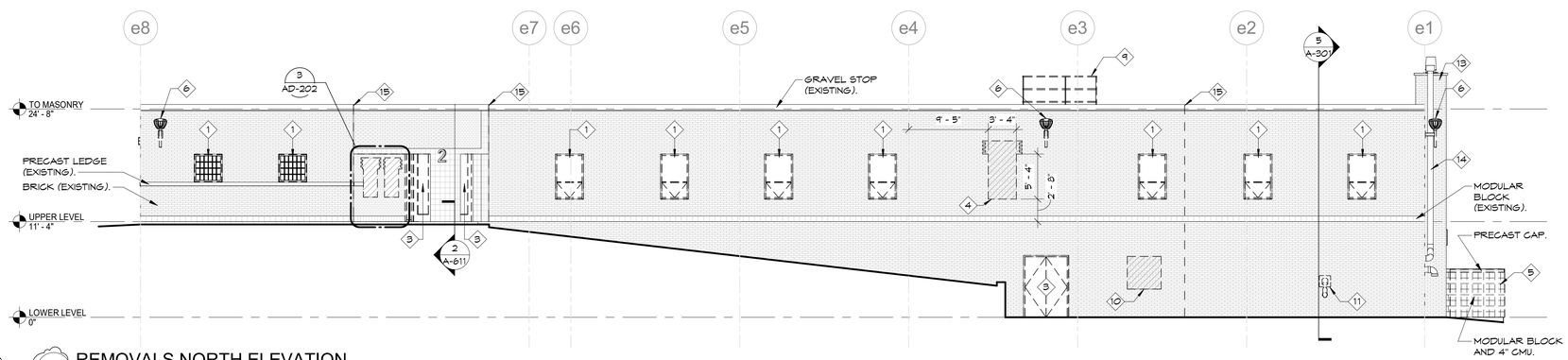
KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



3 ANGLED ENTRY REMOVALS
SCALE : 1/4" = 1'-0"



1 REMOVALS EAST ELEVATION
SCALE : 1/8" = 1'-0"



2 REMOVALS NORTH ELEVATION
SCALE : 1/8" = 1'-0"

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CONSTRUCTION

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LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

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DIVISION OF MILITARY AND NAVAL AFFAIRS

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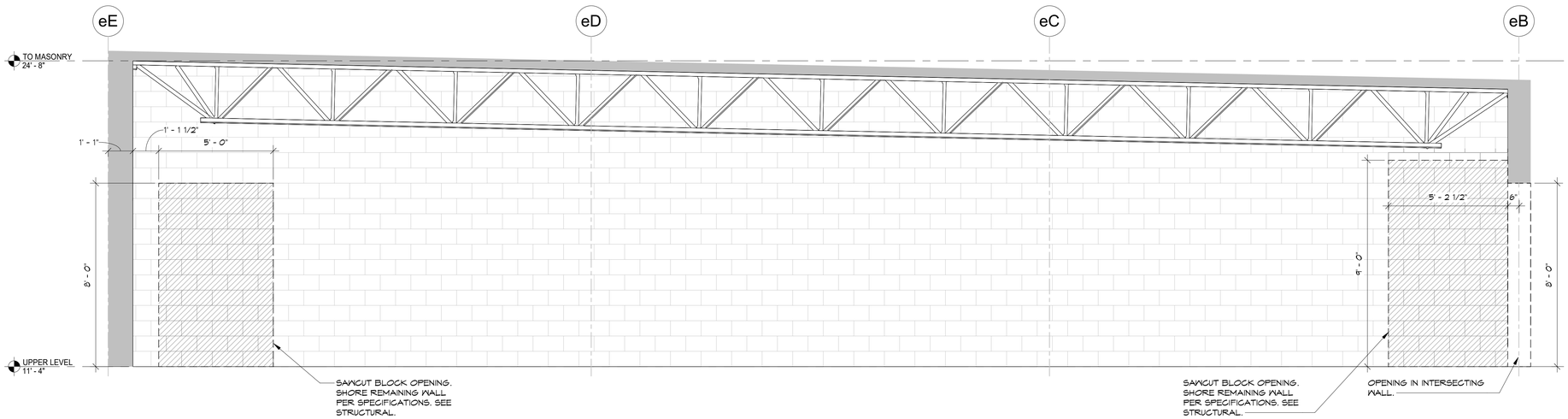
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

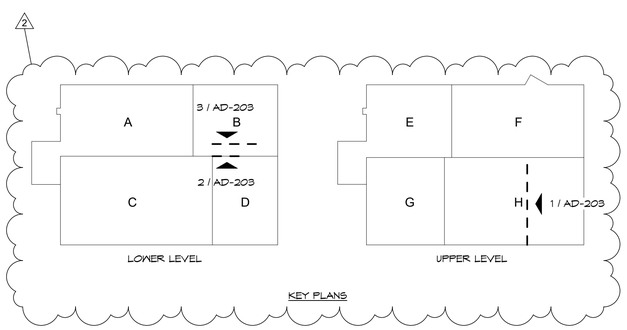
SHEET TITLE:
EXTERIOR ELEVATIONS – REMOVALS

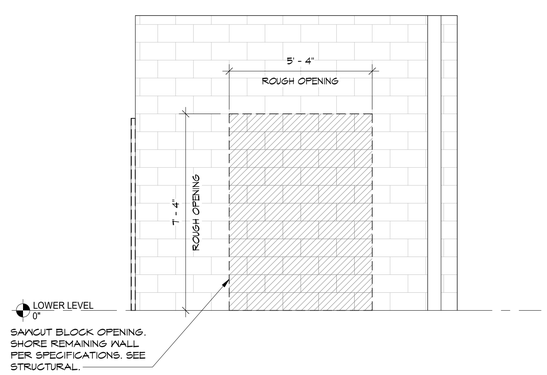
DRAWING NUMBER:
AD-202

SHEET 45 OF 198

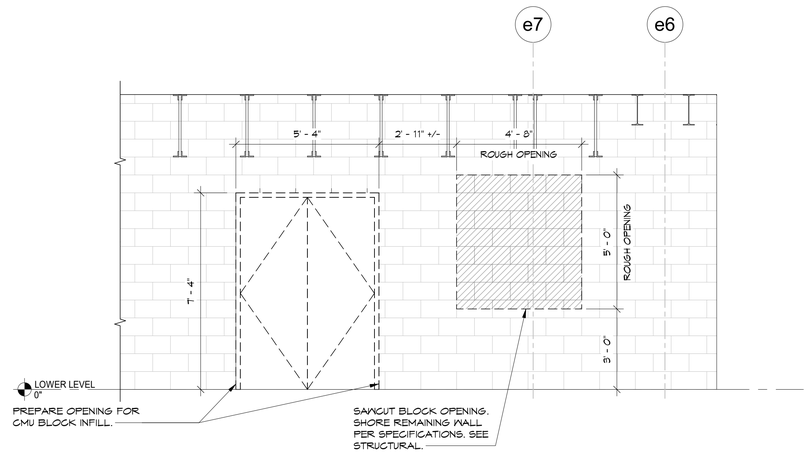


1 UPPER LEVEL CORRIDOR REMOVALS
SCALE : 3/8" = 1'-0"





2 VAULT VESTIBULE REMOVALS
SCALE : 3/8" = 1'-0"



3 HHC STORAGE REMOVALS
SCALE : 3/8" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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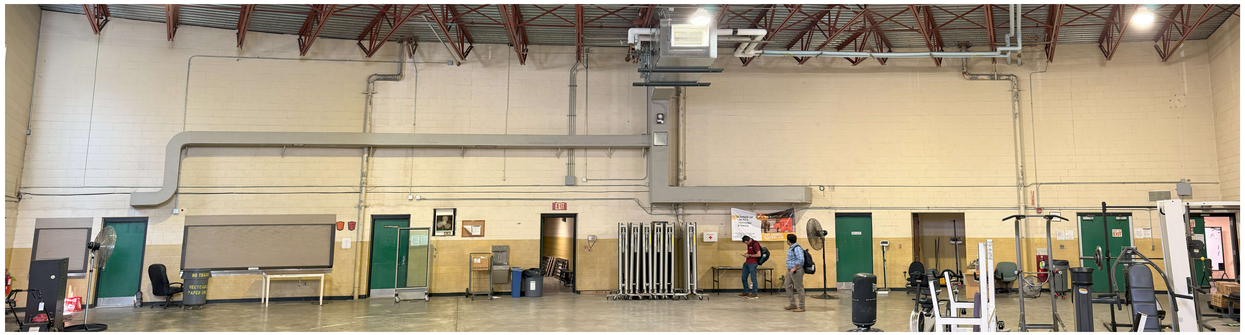
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
INTERIOR REMOVAL ELEVATIONS

DRAWING NUMBER:
AD-203



NOTE: THIS IMAGE IS A BLENDED PANORAMA. THERE IS CONSIDERABLE DISTORTION IN THE JOIST SPACE AND FOREGROUND.

3 PHOTO 1 - PANORAMIC VIEW OF EXISTING BEARING WALL

SCALE: N.T.S.

GENERAL BEARING WALL NOTES:

A. C-CONTRACTOR TO IDENTIFY ALL MEP EQUIPMENT AND ACCESSORIES ON BEARING WALL FOR REMOVAL/REROUTING. REFER TO H-, P-, AND E-CONTRACTS FOR EXTENTS OF REMOVALS AND SYSTEMS REROUTING.

B. SEQUENCING OF WORK: REMOVALS ARE TO BE COMPLETED BEFORE REPAIR WORK BEGINS. COORDINATE WITH STRUCTURAL DOCUMENTATION.

C. AREAS OF FAILED JOINTS AND BROKEN CMU IDENTIFIED IN ELEVATION ARE REPRESENTATIVE AND MAY NOT ENCOMPASS ALL AREAS REQUIRING REPAIR.

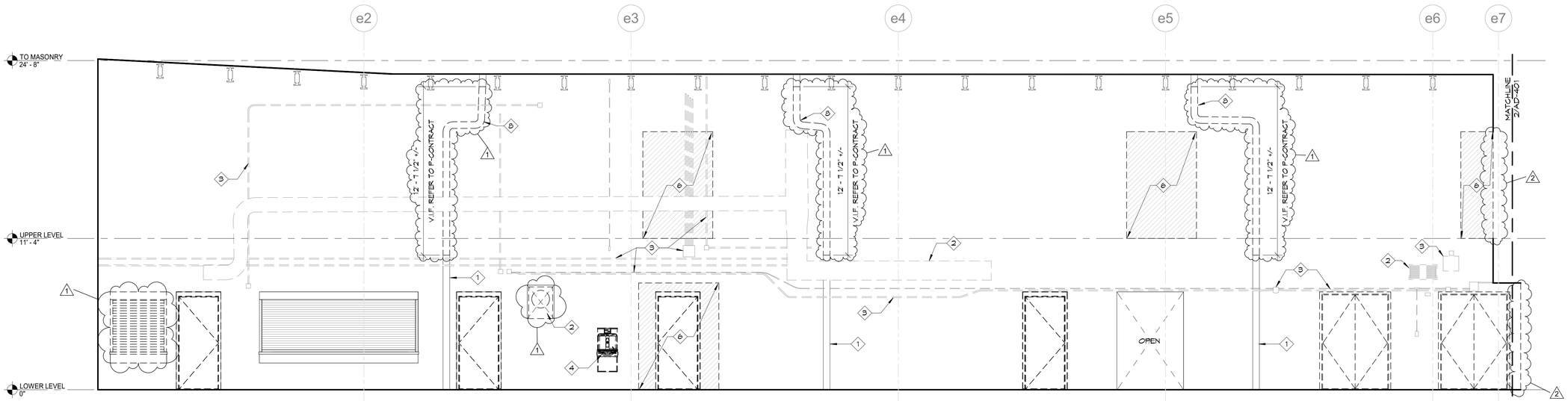
D. OPPOSITE SIDE OF BEARING WALL WAS NOT ASSESSED FOR CONDITION. C-CONTRACTOR TO IDENTIFY ALL FAILED JOINTS AND BROKEN CMU PRIOR TO COMMENCING REPAIRS AND NOTIFY DIRECTOR'S REPRESENTATIVE.

E. ASSUMED EXTENTS:
1. ESTIMATED EXTENT OF MASONRY REPOINTING: APPROXIMATELY 130 L.F. ALLOW AN ADDITIONAL 100 L.F. FOR REPOINTING OPPOSITE SIDE.
2. ESTIMATED EXTENT OF FACE SHELL REPLACEMENT: APPROXIMATELY 81 S.F. (90 CMU). ALLOW AN ADDITIONAL 60 S.F. FOR OPPOSITE SIDE.

1 KEYNOTES - BEARING WALL

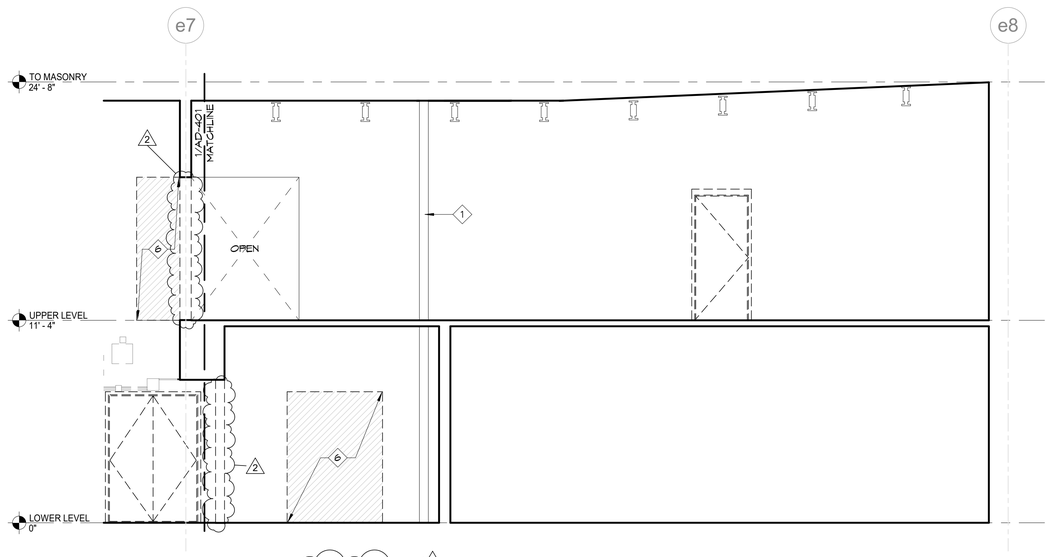
NUMBER	NOTE
1	PORTION OF DRAIN LEAD EXISTING TO REMAIN. PROTECT DURING REMOVALS AND CONSTRUCTION.
2	REMOVE EXISTING HVAC EQUIPMENT, DUCTING, AND ACCESSORIES. REMOVE WALL ANCHORS AND FILL FASTENER HOLES. REFER TO MECHANICAL DRAWINGS FOR EXTENTS AND DETAILS.
3	REMOVE ELECTRICAL EQUIPMENT, FIXTURES, AND ACCESSORIES FROM WALL. REMOVE WALL ANCHORS AND FILL FASTENER HOLES. REFER TO ELECTRICAL DRAWINGS FOR EXTENTS AND DETAILS.
4	REMOVE EXISTING PLUMBING EQUIPMENT, PIPING, AND ACCESSORIES. REMOVE WALL ANCHORS AND FILL FASTENER HOLES. REFER TO PLUMBING DRAWINGS FOR EXTENTS AND DETAILS.
6	AREA OF CMU REMOVAL. EXTENTS SHOWN ON ARCHITECTURAL PLANS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS. GC TO SALVAGE GOOD CONDITION CMU, FREE OF CRACKS, CHIPS AND/OR BROKEN CELLS, FOR REUSE.
8	SECTIONS OF EXISTING DRAIN LEADS TO BE REMOVED FOR REROUTING. REFER TO P-CONTRACT.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



1 BEARING WALL REMOVALS

SCALE : 1/4" = 1'-0"



2 BEARING WALL REMOVALS

SCALE : 1/4" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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2	07/20/2026	PERMIT AMENDMENT / BID SET
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PROJECT NUMBER: **47477-C**

DESIGNED BY: GBT/JLP

DRAWN BY: GBT

FIELD CHECK: JLP

APPROVED: DKA

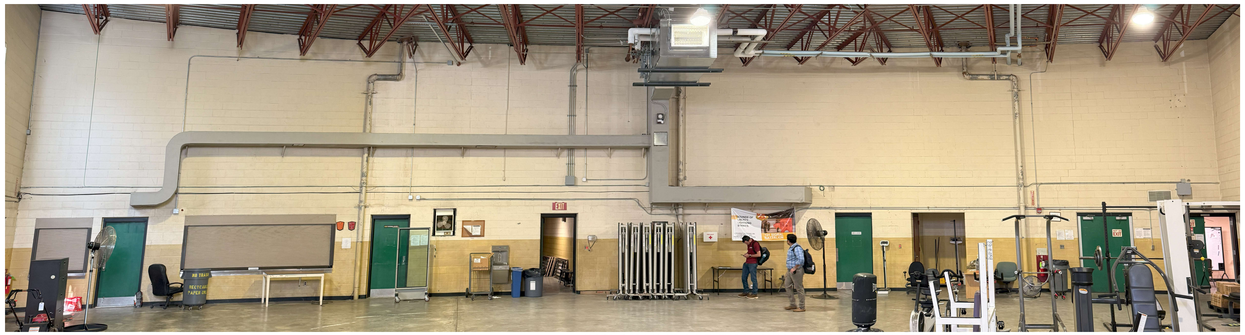
SHEET TITLE:

BEARING WALL REMOVALS ELEVATION AND DETAILS

DRAWING NUMBER:

AD-401

SHEET 47 OF 198



NOTE: THIS IMAGE IS A BLENDED PANORAMA. THERE IS CONSIDERABLE DISTORTION IN THE JOIST SPACE AND FOREGROUND.

3 PHOTO 1 - PANORAMIC VIEW OF EXISTING BEARING WALL

SCALE: N.T.S.

GENERAL BEARING WALL NOTES:

A. C-CONTRACTOR TO IDENTIFY ALL MEP EQUIPMENT AND ACCESSORIES ON BEARING WALL FOR REMOVAL/REROUTING. REFER TO H-, P-, AND E-CONTRACTS FOR EXTENTS OF REMOVALS AND SYSTEMS REROUTING.

B. SEQUENCING OF WORK: REMOVALS ARE TO BE COMPLETED BEFORE REPAIR WORK BEGINS. COORDINATE WITH STRUCTURAL DOCUMENTATION.

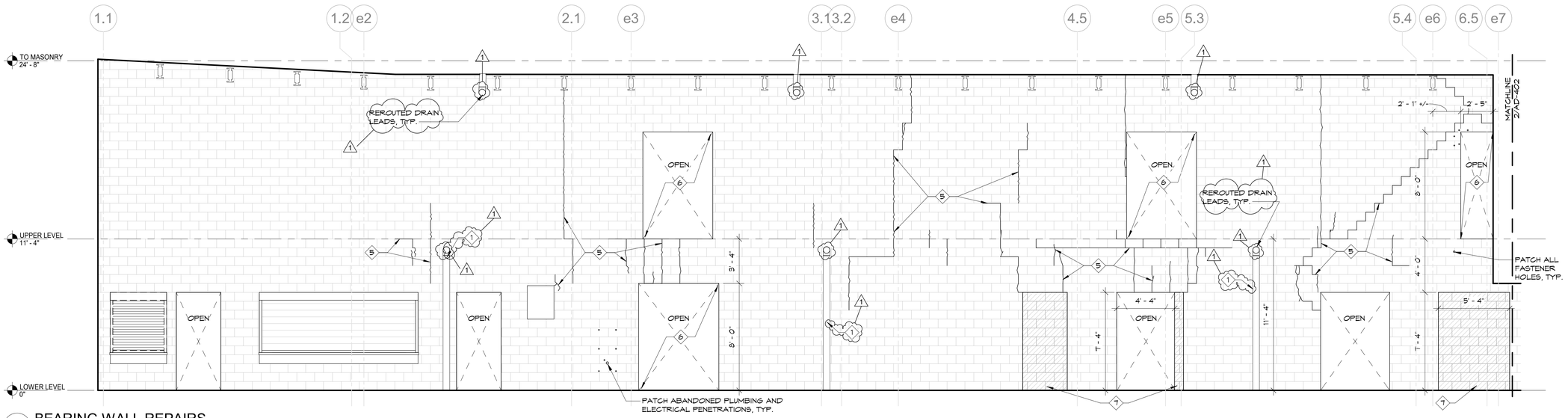
C. AREAS OF FAILED JOINTS AND BROKEN CMU IDENTIFIED IN ELEVATION ARE REPRESENTATIVE AND MAY NOT ENCOMPASS ALL AREAS REQUIRING REPAIR.

D. OPPOSITE SIDE OF BEARING WALL WAS NOT ASSESSED FOR CONDITION. C-CONTRACTOR TO IDENTIFY ALL FAILED JOINTS AND BROKEN CMU PRIOR TO COMMENCING REPAIRS AND NOTIFY DIRECTOR'S REPRESENTATIVE.

E. ASSUMED EXTENTS:
1. ESTIMATED EXTENT OF MASONRY REPOINTING: APPROXIMATELY 130 L.F. ALLOW AN ADDITIONAL 100 L.F. FOR REPOINTING OPPOSITE SIDE.
2. ESTIMATED EXTENT OF FACE SHELL REPLACEMENT: APPROXIMATELY 81 S.F. (90 CMU). ALLOW AN ADDITIONAL 60 S.F. FOR OPPOSITE SIDE.

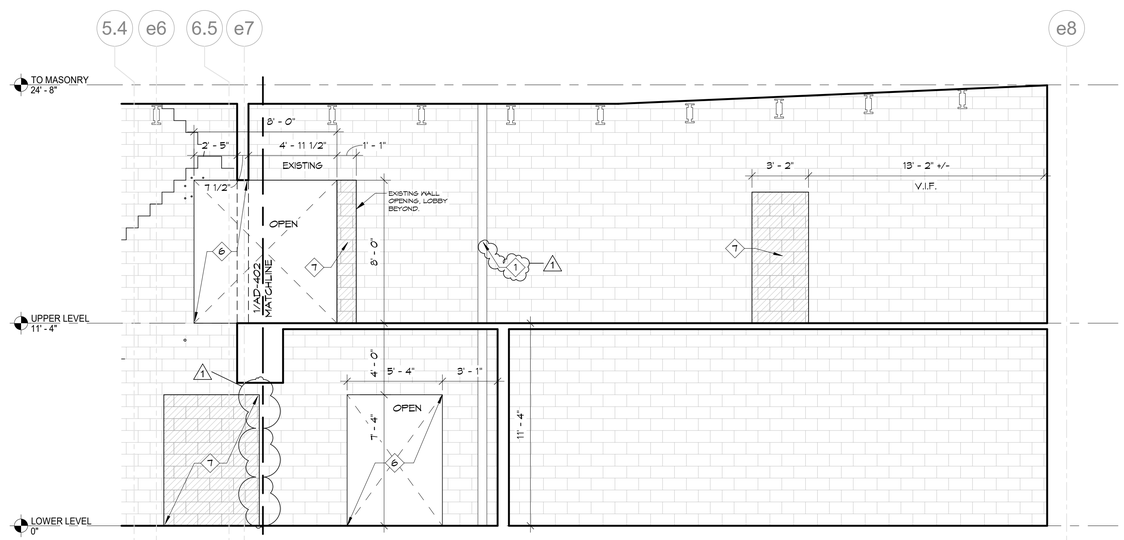
1 KEYNOTES - BEARING WALL	
NUMBER	NOTE
1	(PORTION OF) DRAIN LEAD EXISTING TO REMAIN. PROTECT DURING REMOVALS AND CONSTRUCTION.
5	LINES INDICATE SPLIT MORTAR JOINTS AND FRACTURED CMU IN MAIN BEARING WALL. REPOINT SPLIT JOINTS. REPLACE BROKEN FACE SHELLS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
6	AREA OF CMU REMOVAL. EXTENTS SHOWN ON ARCHITECTURAL PLANS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS. GC TO SALVAGE GOOD CONDITION CMU, FREE OF CRACKS, CHIPS AND/OR BROKEN CELLS, FOR REUSE.
7	AREA OF CMU INFILL. REUSE SALVAGED CMU WHERE POSSIBLE.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



1 BEARING WALL REPAIRS

SCALE : 1/4" = 1'-0"



2 BEARING WALL REPAIRS

SCALE : 1/4" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

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2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

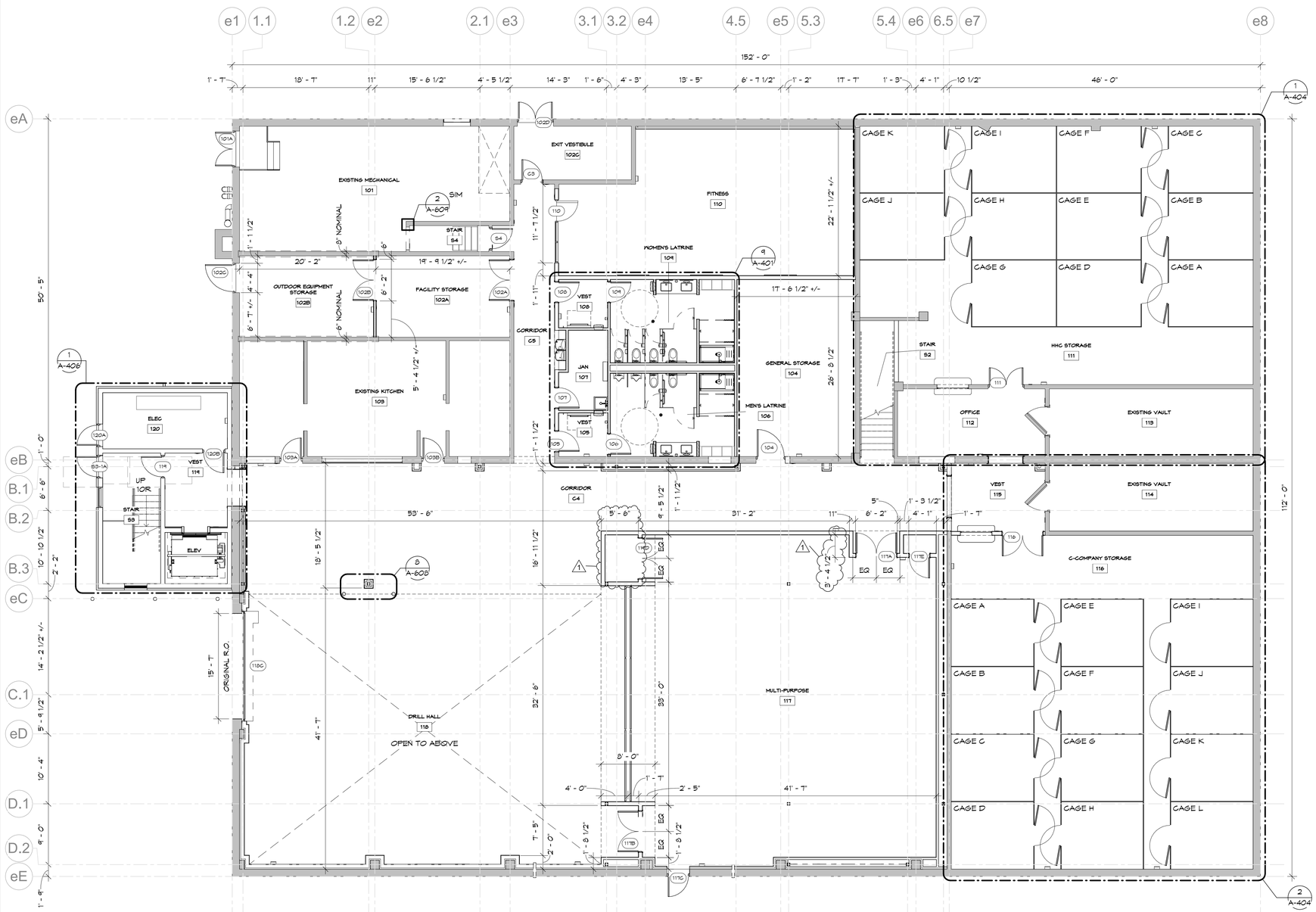
SHEET TITLE:

BEARING WALL REPAIRS ELEVATION AND DETAILS

DRAWING NUMBER:

AD-402

SHEET 48 OF 198



1 DIMENSIONED LOWER LEVEL FLOOR PLAN

SCALE : 1/8" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

OVERALL LOWER LEVEL PLAN DIMENSIONS

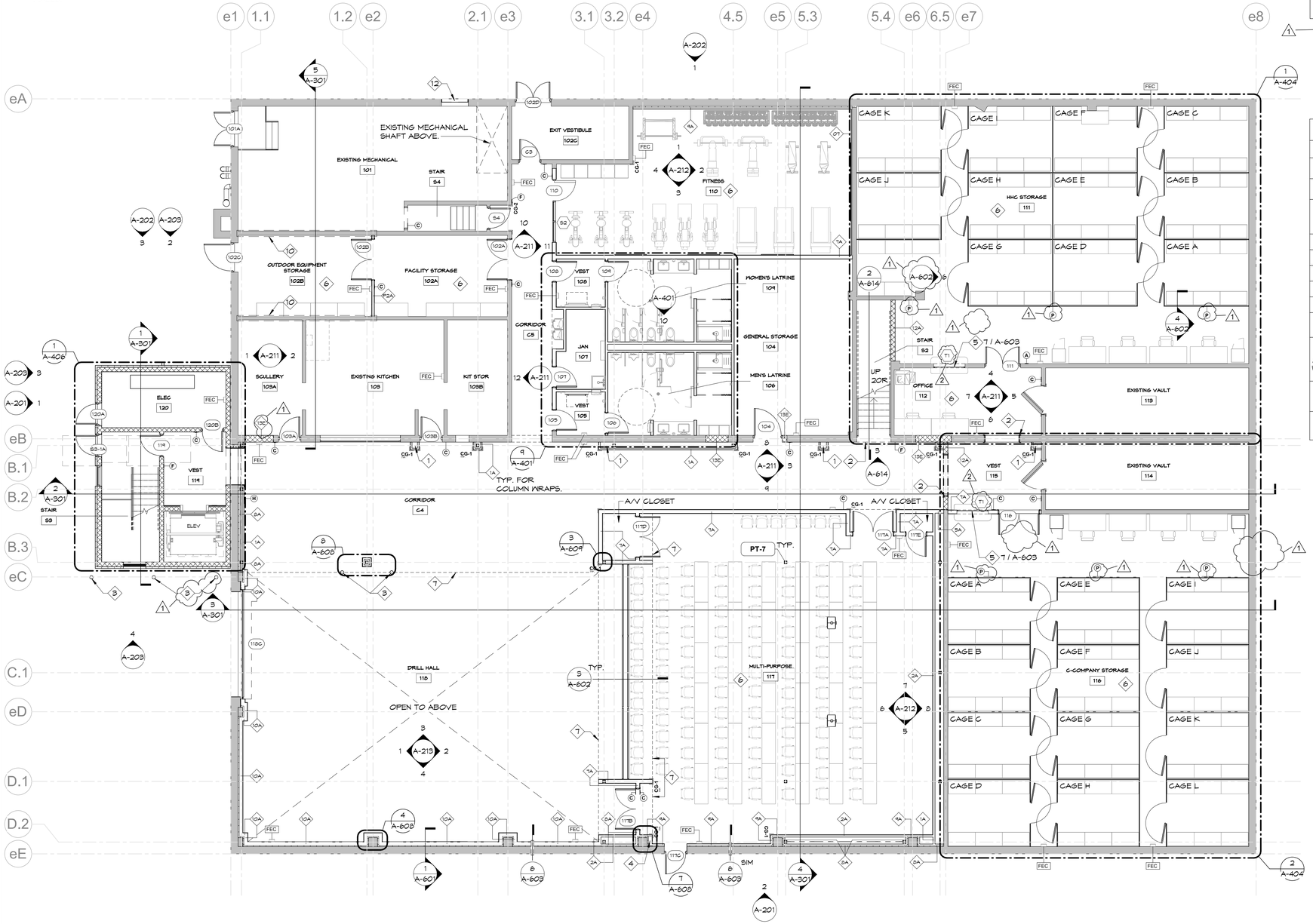
DRAWING NUMBER:

A-101

SHEET 49 OF 198

NOTED PLAN - GENERAL NOTES:

1. PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK, FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF DISCREPANCIES OR VARIATIONS FROM CONDITIONS SHOWN ON THE DRAWINGS WHICH MAY INHIBIT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. ALL EXITWAYS AND PATHS OF TRAVEL OF THE WORK AREA FLOOR LEVELS SHALL BE CONTINUOUSLY MAINTAINED TO BE FREE FROM OBSTRUCTIONS IN THE EVENT OF AN EMERGENCY EVACUATION.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FIRE STOPPING PER CODE. FIRE STOPPING METHODS TO BE UL APPROVED. ALL PROVIDED PENETRATIONS THROUGH FIRE RATED WALLS AND SLABS TO BE FIRESTOPPED INCLUDING, BUT NOT LIMITED TO: ELECTRICAL WORK, PIPING AND DUCTWORK. SPECIAL CARE SHALL BE TAKEN TO AVOID GAPS AND VOIDS IN PROVIDED FIRESTOPPING.
4. EXCEPT WHERE CONCEALED BY PROVIDED FINISHES, PATCH ALL FASTENER HOLES RESULTING FROM REMOVAL OF PARTITIONS, LIGHT FIXTURES, SURFACE RUN CONDUIT AND RELATED BOXES, ETC.
5. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 011329.01. 2
6. UNLESS DOOR IS TO BE PLACED IN AN EXISTING OPENING, OR UNLESS DIMENSIONED OTHERWISE, ALL DOOR HINGE JAMBS ARE TO BE LOCATED A MINIMUM OF 4" FROM THE FINISHED FACE OF ADJACENT WALLS.

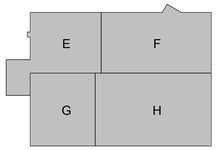


1 NOTED LOWER LEVEL FLOOR PLAN
SCALE : 1/8" = 1'-0"

KEYNOTES - FLOOR PLAN	
NUMBER	NOTE
1	REROUTED ROOF LEADERS. REFER TO P-CONTRACT.
2	PROVIDE CASED OPENING. SEE PLANS FOR ROUGH OPENING DIMENSIONS.
3	PROVIDE 6" CONCRETE-FILLED SCH. 40 STEEL PIPE BOLLARDS, TYP. SIM BOLLARD DETAIL C-504.
4	PROVIDE FRAMING AND SHEATHING TO ALIGN FINISHES WITH ADJACENT WING WALLS AND BULKHEAD ABOVE.
5	TRANSACTION WINDOW. PROVIDE LOCKING SECURITY SHUTTER. SEE DETAILS.
6	EXCEPT FOR PLUMBING FIXTURES AND BUILT-IN CASEWORK AND UNLESS NOTED OTHERWISE, FIXTURES, FURNITURE AND EQUIPMENT ARE DEPICTED FOR INFORMATION, ONLY. PROVIDED BY TENANT. NOT IN CONTRACT.
7	LINE OF FLOOR OR BULKHEAD ABOVE.
10	VERIFY TOP OF WALL CONDITIONS OF INDICATED EXISTING MASONRY WALLS. PATCH HOLES AND/OR ADD MATCHING CMU COURSES FROM EXISTING TOP OF WALL TO UNDERSIDE OF DECK. FIRESTOP ALL PENETRATIONS AND JOINTS IN WALL. LIMIT WORK TO INTERSECTING RATED STUD WALL.
12	EXTRUDED ALUMINUM MECHANICAL LOUVER W/ MOTORIZED DAMPER AND CONCEALED LINKAGE. REFER TO H-CONTRACT. B.O.D. GREENHECK EAC-601. COLOR: PATINA GREEN.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

PLAN LEGEND	
S#	STOREFRONT TAG. SEE 6 / A-502 FOR ELEVATIONS.
T#	TRANSACTION WINDOW TAG. SEE 8 / A-502 FOR ELEVATIONS.
W#	WINDOW TAG. SEE 7 / A-502FOR ELEVATIONS AND A-501 FOR SCHEDULE.
	PARTITION TYPE. SEE 1 / A-001 FOR LEGEND. PARTITION HEIGHT. SEE 2 / A-001 FOR LEGEND.
#	SIGNAGE TAG. SEE 6 / I-603 FOR LEGEND.
*	DOOR TAG. SEE A-501 FOR SCHEDULE.
#	FINISH TAG. SEE I-602 FOR SCHEDULE.
#	SPECIALTY EQUIPMENT TAG. SEE I-603 FOR SCHEDULE.
	DENOTES FLOOR DECK INFILL. SEE STRUCTURAL.
#/A-####	- PHOTO LOCATION
	- DETAIL TAG
	- SECTION TAG
	- ELEVATION TAG



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DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

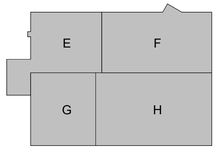
SHEET TITLE:
OVERALL LOWER LEVEL PLAN

DRAWING NUMBER:
A-102

SHEET 50 OF 198

1 DIMENSIONED UPPER FLOOR PLAN

SCALE : 1/8" = 1'-0"



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SHEET TITLE:

OVERALL UPPER LEVEL PLAN DIMENSIONS

DRAWING NUMBER:

A-103

SHEET 51 OF 198

NOTED PLAN - GENERAL NOTES:

1. PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK, FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF DISCREPANCIES OR VARIATIONS FROM CONDITIONS SHOWN ON THE DRAWINGS WHICH MAY INHIBIT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
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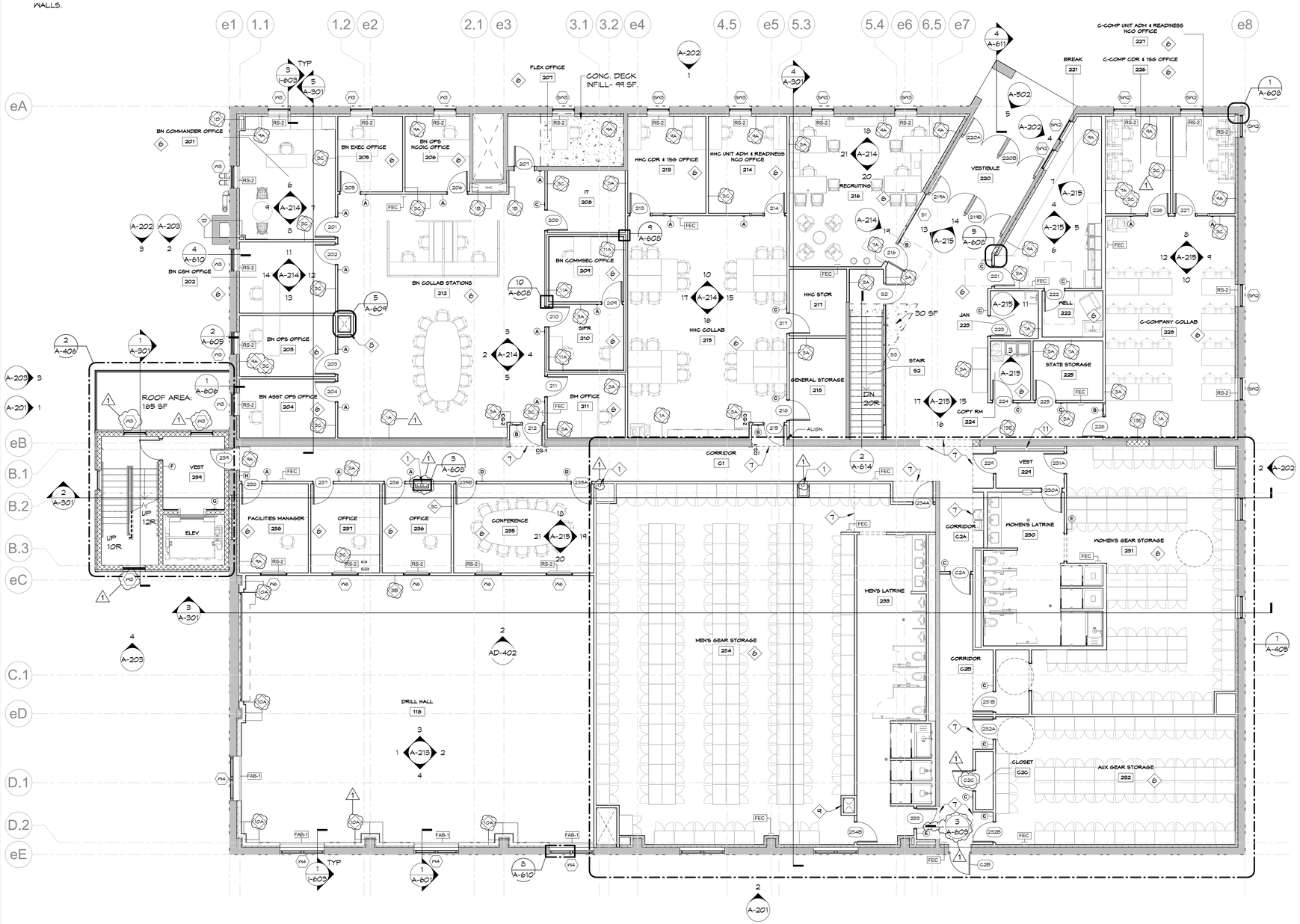
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FIRE STOPPING PER CODE. FIRE STOPPING METHODS TO BE UL APPROVED. ALL PROVIDED PENETRATIONS THROUGH FIRE RATED WALLS AND SLABS TO BE FIRESTOPPED INCLUDING, BUT NOT LIMITED TO: ELECTRICAL WORK, PIPING AND DUCTWORK. SPECIAL CARE SHALL BE TAKEN TO AVOID GAPS AND VOIDS IN PROVIDED FIRESTOPPING.
4. EXCEPT WHERE CONCEALED BY PROVIDED FINISHES, PATCH ALL FASTENER HOLES RESULTING FROM REMOVAL OF PARTITIONS, LIGHT FIXTURES, SURFACE RUN CONDUIT AND RELATED BOXES, ETC.
5. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 011329.01. 2
6. UNLESS DOOR IS TO BE PLACED IN AN EXISTING OPENING, OR UNLESS DIMENSIONED OTHERWISE, ALL DOOR HINGE JAMBS ARE TO BE LOCATED A MINIMUM OF 4" FROM THE FINISHED FACE OF ADJACENT WALLS.

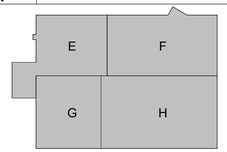
1 KEYNOTES - FLOOR PLAN	
NUMBER	NOTE
1	REROUTED ROOF LEADERS. REFER TO P-CONTRACT.
6	EXCEPT FOR PLUMBING FIXTURES AND BUILT-IN CASEWORK AND UNLESS NOTED OTHERWISE, FIXTURES, FURNITURE AND EQUIPMENT ARE DEPICTED FOR INFORMATION, ONLY. PROVIDED BY TENANT. NOT IN CONTRACT.
7	LINE OF FLOOR OR BULKHEAD ABOVE.
8	2-HOUR RATED DUCT SHAFT. FIRESTOPPING REQUIRED AT ALL JOINTS AND PENETRATIONS.
9	1-HOUR RATED DUCT SHAFT. FIRESTOPPING REQUIRED AT ALL JOINTS AND PENETRATIONS.
11	EXISTING ROOF LEADER TO REMAIN. REFER TO P-CONTRACT.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



1 NOTED PLAN - UPPER LEVEL
SCALE : 1/8" = 1'-0"

PLAN LEGEND	
S#	STOREFRONT TAG. SEE 6 / A-502 FOR ELEVATIONS.
TX	TRANSACTION WINDOW TAG. SEE 8 / A-502 FOR ELEVATIONS.
W#	WINDOW TAG. SEE 7 / A-502 FOR ELEVATIONS AND A-501 FOR SCHEDULE.
	~~PARTITION TYPE. SEE 3-A9-001 FOR LEGEND.~~ 1
	PARTITION HEIGHT. SEE 2 / A-001 FOR LEGEND.
#	SIGNAGE TAG. SEE 6 / I-603 FOR LEGEND.
#	DOOR TAG. SEE A-501 FOR SCHEDULE.
#	FINISH TAG. SEE I-602 FOR SCHEDULE.
#	SPECIALTY EQUIPMENT TAG. SEE I-603 FOR SCHEDULE.
	DENOTES FLOOR DECK INFILL. SEE STRUCTURAL.
#/A-####	- PHOTO LOCATION
	- DETAIL TAG
	- SECTION TAG
	- ELEVATION TAG



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DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
OVERALL UPPER LEVEL PLAN

DRAWING NUMBER:
A-104

SHEET 52 OF 198

GENERAL ROOFING NOTES:

A. THE MORE STRINGENT ARCHITECTURAL DETAILS SHOWN IN THESE DOCUMENTS SHALL GOVERN OVER MANUFACTURER'S DETAILS, UNLESS SUBMITTED AND REVIEWED FOR APPROVAL.

B. DIMENSIONS GIVEN ARE FOR REFERENCE ONLY. FIELD VERIFYING THE EXISTING BUILDING EXTENT AND MEASUREMENTS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY.

C. ALL ROOF PENETRATIONS ARE TO BE FLASHED, WHETHER SHOWN OR NOT; ITEMS ARE SHOWN IN THEIR GENERAL LOCATIONS.

D. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND CONFIRM THAT CONDITIONS WILL INTERFACE WITH DETAILS. ALL DEVIATIONS WILL BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE IMMEDIATELY.

E. WATER DAMAGE NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE BUILDING DRY DURING ALL ROOFING OPERATIONS. ANY WATER OR DEBRIS ENTERING THE BUILDING CAUSED BY ROOFING WORK SHALL BE CLEANED UP BY THE CONTRACTOR. ANY DAMAGE TO THE BUILDING OR ITS CONTENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE DIRECTOR'S REPRESENTATIVE. IF WORK AFFECTS THE INTERIOR OF THE BUILDING, EXTRAORDINARY PRECAUTIONS SHALL BE TAKEN TO PROTECT THE BUILDING AND ITS CONTENTS.

F. PROVIDE TRAFFIC / WALKWAY PADS AT ALL ROOF ACCESS POINTS WHERE INDICATED ON THE DRAWINGS.

G. MECHANICAL
1. COORDINATE ALL MECHANICAL WORK ASSOCIATED WITH ROOF EXHAUST FANS AND INTERIOR SPACES WITH THE H-CONTRACTOR AND DIRECTOR'S REPRESENTATIVE.
2. COORDINATE ALL ELECTRIC, GAS OR MECHANICAL UNIT etc. SHUTDOWNS WITH H-CONTRACTS AND DIRECTOR'S REPRESENTATIVE.

H. ELECTRICAL
1. COORDINATE ALL ELECTRICAL WORK ASSOCIATED WITH ROOF EQUIPMENT, LIGHTING AND POWER WITH THE E-CONTRACTOR.

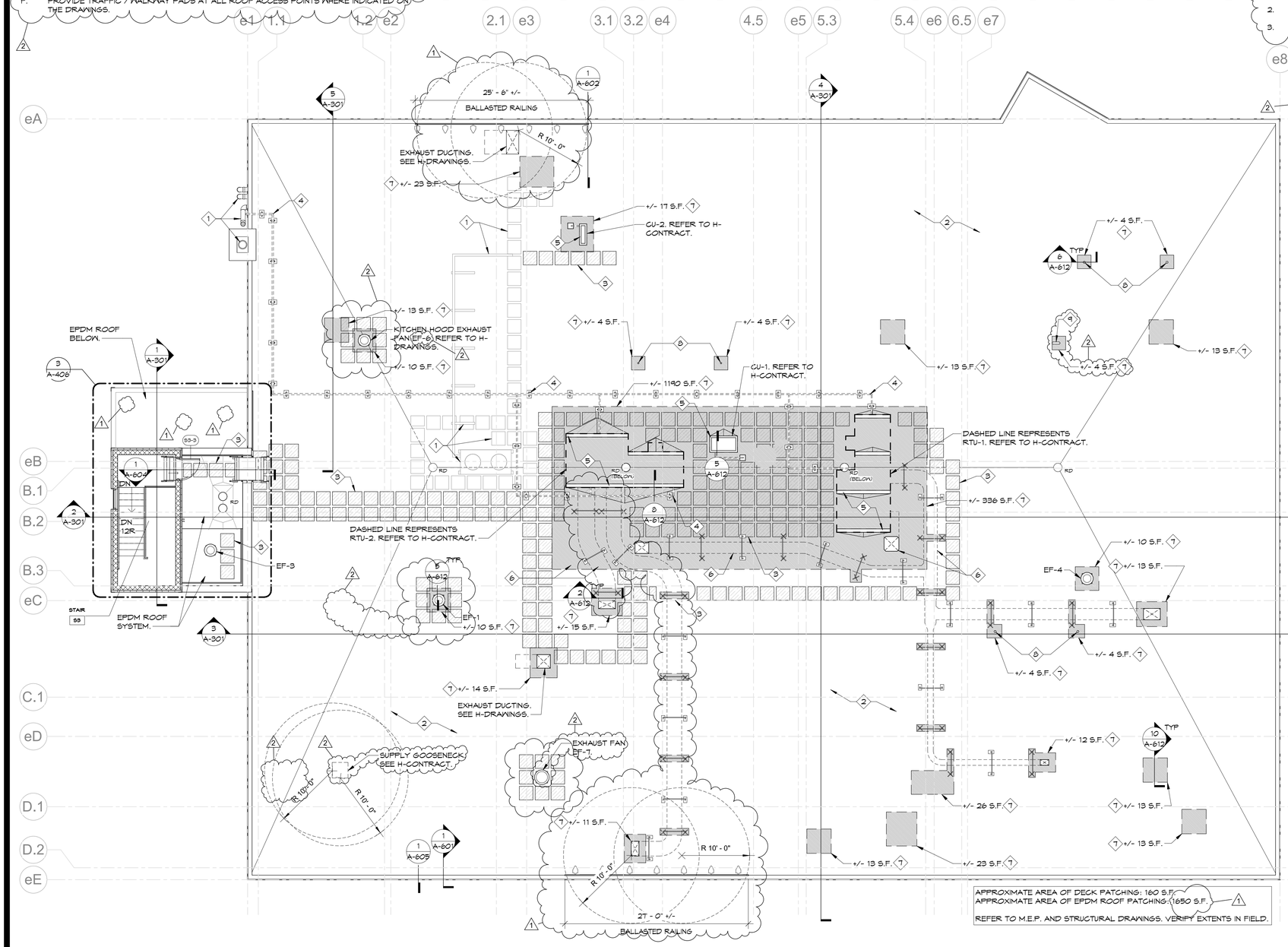
I. INSULATION
1. INSTALL TAPERED INSULATION AND LIGHTWEIGHT INSULATING CONCRETE (LOW DENSITY CONCRETE) MAJOR CRICKETS, THEN INSTALL PRIMARY (FLAT STOCK) LAYERS. STAGGER JOINTS BETWEEN INSULATION LAYERS.
2. PROVIDE CRICKETS AT HIGH SIDE OF ALL ROOFTOP EQUIPMENT LARGER THAN 2'-0" WIDE OR AT ANY DOWNHILL WALL PROJECTION WHICH MAY POCKET WATER.
3. PROVIDE PROTECTION TO THE INTERIOR SPACES DURING THE INSTALLATION TO PREVENT DAMAGE OR SPILLAGE OF LOW DENSITY CONCRETE (LIGHTWEIGHT INSULATING CONCRETE). 1

J. ROOF DRAINS
1. ROOF DRAINS AND INTERIOR STORM PIPING ARE TO BE PROVIDED AS PART OF THE P-CONTRACTORS WORK.
2. DRAIN INSERTS WILL NOT BE PERMITTED.
3. INSULATED INTERIOR PORTIONS OF ROOF DRAIN LEADERS WHERE INDICATED ON THE PLUMBING DRAWINGS.
4. TEST ROOF DRAINS FOR LEAKS AND FLOW UPON COMPLETION OF CONSTRUCTION. LEAK TEST: PLUG EACH ROOF DRAIN BELOW CONNECTION TO THE ROOF DRAIN LEADER. OBSERVE THE FLOW OF EACH LINE. PROVIDE A WRITTEN REPORT OF THE RESULTS TO THE DIRECTOR'S REPRESENTATIVE.

K. WOOD
1. ALL WOOD OR PLYWOOD INSTALLED IN DIRECT CONTACT WITH MASONRY OR CONCRETE, IS TO BE OF PRESSURE TREATED MATERIALS. ALL OTHER LUMBER TO BE NON-TREATED UNLESS NOTED OTHERWISE.
2. ALL BLOCKING TO BE SOLID - NO VOIDS OR 'SKIP-FRAMING' ARE PERMITTED.
3. IF WOOD DIMENSIONS ARE NOT GIVEN, STACKED WOOD HEIGHT (3 BOARDS OR LESS) SHALL BE 2x6 MINIMUM.
4. ALL WOOD TO BE ANCHORED AS SPECIFIED, OR SHOWN. GENERALLY, FASTENER SPACING, NAILS OR SCREWS, NOT MORE THAN 12" O.C. AND ANCHOR BOLTS -3/8" O.D. MIN., NOT MORE THAN 36" O.C. AND FROM ENDS OF BOARDS - 9" MAXIMUM. SEE "TYPICAL BLOCKING FASTENING DETAIL" FOR ADDITIONAL INFORMATION.
5. BLOCKING CONSIDERED FOR REUSE SHALL BE CHECKED FOR ADEQUATE ANCHORAGE VIA PULL TEST. PROVIDE ADDITIONAL FASTENERS, IF REQUIRED TO ASSURE SOLID ANCHORING. INSTALL ADDITIONAL BLOCKING OVER THE EXISTING AS REQUIRED TO BRING HEIGHT INTO THE SAME PLANE WITH INSULATION HEIGHT. REFER TO NOTE 5 IN DESIGN WIND UPLIFT NOTES FOR PERFORMANCE REQUIREMENTS.

L. FASTENERS
1. ALL FASTENERS TO BE NON-RUSTING TYPE (COPPER, HOT DIPPED, STAINLESS STEEL, CADMIUM PLATED) UNLESS NOTED OTHERWISE.
2. ALL NAILS SHALL BE SPIRAL OR RING-SHANKED.
3. ALL FASTENERS (NAILS, SCREWS, BOLTS, ETC.) FASTENING OR PENETRATING PRESSURE-TREATED WOOD ARE TO BE OF AUSTENITIC STAINLESS STEEL, TYPE A304 OR A316.
4. FASTENERS IN METAL FLASHINGS - ALL TO BE COMPATIBLE WITH METAL USED; FASTENERS ALL OF STAINLESS STEEL UNLESS NOTED OTHERWISE. FASTENER SPACING, SCREWS, NOT MORE THAN 9" O.C., NAILS USED FOR CLEATING - 3" O.C. UNLESS NOTED OTHERWISE FROM ENDS OF UNITS - 3" MAXIMUM.
5. POP-RIVETS IN METAL FLASHINGS/COPINGS ARE NOT PERMITTED.

M. ROOFING MISCELLANEOUS
1. ANY METAL COPING OR FASCIA OVERLAPS, FOLDS, OR SEAMS ARE TO BE SOLIDLY BEDDED WITH SEALANT BETWEEN PIECES OF METAL.
2. ALL FLASHINGS, COPINGS OR ROOF EDGES ETC. SHALL HAVE PREFABRICATED CORNERS. NO CAULKED CORNERS WILL BE ALLOWED.
3. THE INTENT IS FOR METAL FLASHING HEIGHTS TO ALIGN.



APPROXIMATE AREA OF DECK PATCHING: 160 S.F.
APPROXIMATE AREA OF EPDM ROOF PATCHING: 1650 S.F. 1

REFER TO M.E.P. AND STRUCTURAL DRAWINGS. VERIFY EXTENTS IN FIELD.

1 ROOF LEVEL
SCALE : 1/8" = 1'-0"

GENERAL ROOFING NOTES:

EXISTING ROOF ASSEMBLY:

MFR: FIRESTONE (NOW ELEVATE)
DATE INSTALLED: 2013
WARRANTY: 20 YEAR NDL WARRANTY - EXPIRES 2033
SEE SPECIFICATIONS FOR WARRANTY CERTIFICATE

COMPONENTS OF ROOF ASSEMBLY (BASED OFF OF ROOF CUTS, 2019):
- 0.090" EPDM SINGLE PLY MEMBRANE, FULLY ADHERED TO;
- 1/2" GYPSUM COVER BOARD, FULLY ADHERED TO;
- +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
- +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
- VAPOR RETARDER, FULLY ADHERED TO;
- 1/2" GYPSUM UNDERLAYMENT BOARD, MECHANICALLY FASTENED TO;
- STEEL DECK

EQUIPMENT SUPPORTS:

DUCT AND PIPE SUPPORTS ARE LOCATED AT 6'-0" O.C. TYPICAL. REFER TO M.E.P. DRAWINGS FOR DUCT, PIPING AND CONDUIT LAYOUT REQUIRING SUPPORTS.

APPROXIMATE DUCT AND PIPING/CONDUIT SUPPORT QUANTITIES:
BALLASTED DUCT SUPPORT: 16
ANCHORED DUCT SUPPORT: 19
PIPE/CONDUIT SUPPORT: 31

KEYNOTES - ROOF

NUMBER	NOTE
1	EXISTING ROOFTOP EQUIPMENT TO REMAIN.
2	EXISTING EPDM MEMBRANE. REFER TO GENERAL ROOFING NOTES AND SPECIFICATIONS FOR WARRANTY INFORMATION.
3	PROVIDE TYPE 1 WALKWAY PADS, TYP.
4	NATURAL GAS PIPING ON PIPE SUPPORTS, TYP. SEE P-DRAWINGS. PIPING TO BE PAINTED BY C-CONTRACTOR. REFER TO DETAIL 2/A-612 1
5	EQUIPMENT CURBS, TYP. REFER TO MEP FOR EQUIPMENT SIZES.
6	DASHED LINES REPRESENT INSULATED ROOFTOP DUCTING. REFER TO H-CONTRACT.
7	AREA OF ROOF AND/OR DECK PATCHING. SEE DETAIL 10/A-612 1
8	PLUMBING VENT. SEE P-DRAWINGS.
9	GOOSENECK MECHANICAL VENT. SEE H-DRAWINGS.

ROOF GRAPHIC SYMBOLS LEGEND

- #/A-#### - PHOTO LOCATION
- DETAIL TAG
- SECTION TAG
- ELEVATION TAG
- RD - ROOF DRAIN
- BALLASTED DUCT SUPPORT
- ANCHORED DUCT SUPPORT
- BALLASTED PIPE SUPPORT
- S - SLOPE TO DRAIN PROVIDED BY SLOPED STRUCTURAL DECK
- S X":12" - SLOPE TO DRAIN PROVIDED BY TAPERED INSULATION
- AREA OF ROOF PATCHING.
- CRICKET
- WALKWAY PAD (TYPE 1)
- 1 - CUTLINE

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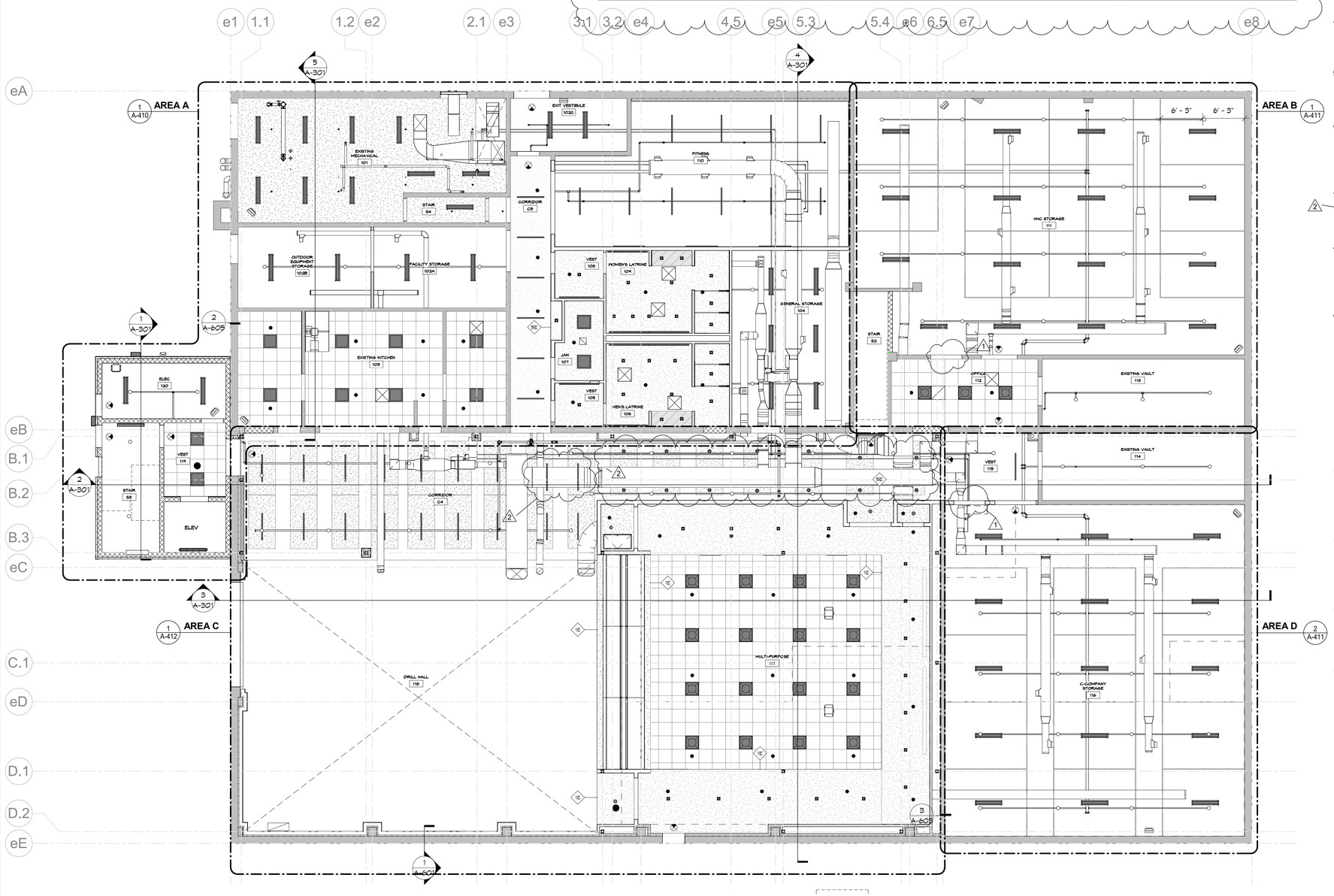
SHEET TITLE:
ROOF PLAN

DRAWING NUMBER:
A-105

SHEET 53 OF 198

RCP SYMBOLS LEGEND

	ROUND DOWNLIGHT		PLASTIC LAMINATE ACOUSTIC FOLDING DOOR ENCLOSURE		SUSPENDED DRYWALL SYSTEM		EXIT SIGN
	SURFACE MOUNTED LIGHT		HIGH BAY LIGHT FIXTURES		SUSPENDED ACOUSTICAL CEILING SYSTEM		PENDANT SPRINKLER HEAD
	LINEAR PENDANT LIGHT		CYLINDER PENDANT LIGHT		SUPPLY AIR GRILLE		UPRIGHT SPRINKLER HEAD
	LINEAR WALL MOUNT LIGHT		EXHAUST FAN		EXPOSED DUCT		CONCEALED SPRINKLER HEAD
	2'x2' TROFFER LIGHT		RETURN AIR GRILLE		CEILING TYPE TAG GWB-# / 10' - 0" / PT-# CEILING TYPE REFER TO CEILING TYPE CEILING FINISH WHERE APPLICABLE CEILING HEIGHT ABOVE FINISHED FLOOR		NOTE: SPRINKLERS AND EXIT SIGNS ARE SHOWN FOR REFERENCE, ONLY. REFER TO H-, P- AND E-DRAWINGS, AND PROJECT MANUAL FOR FINAL LOCATIONS, PIPING, HAZARD INFORMATION, POWER, SPECIFICATIONS,
	SQUARE DOWNLIGHT		ACOUSTICAL GYPSUM PANEL CEILINGS				
	RECESSED PROJECTION						
	PROJECTO						



1 LOWER LEVEL
SCALE : 1/8" = 1'-0"

GENERAL CEILING NOTES:

1. **APPLICABILITY:** THESE GENERAL NOTES APPLY TO BOTH NEW CONSTRUCTION AND EXISTING SPACES IMPACTED BY THE WORK. THEY GOVERN THE ENTIRE SCOPE OF CEILING-RELATED WORK ACROSS THE PROJECT, REGARDLESS OF THE LOCATION OR HOW THE WORK IS REFLECTED WITHIN THE CONTRACT DOCUMENTS.
2. **CEILING TYPE SCHEDULES:** THE CEILING TYPE SCHEDULES PROVIDE A GENERAL OVERVIEW OF THE INTENDED CEILING FINISHES FOR EACH SPACE LISTED. HOWEVER, THEY MAY NOT SPECIFY ALL FINISHES REQUIRED FOR COMPLETE EXECUTION. ADDITIONAL FINISH DETAILS ARE DOCUMENTED THROUGHOUT THE CONSTRUCTION DOCUMENTS, INCLUDING THE ROOM FINISH SCHEDULE AND OTHER RELATED DRAWINGS, WHICH SHOULD BE REVIEWED IN CONJUNCTION.
3. **CLARIFICATIONS & CONFLICTS:** IN CASE OF CONFLICTING INFORMATION WITHIN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL VERIFY THE INTENDED DESIGN WITH THE ARCHITECT BEFORE SUBMITTING BIDS. CLARIFICATIONS ISSUED AFTER BID SUBMISSION ARE NOT TO BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION.
4. **EQUIPMENT & FIXTURE LAYOUT:** ALL EQUIPMENT AND FIXTURES ARE TO BE POSITIONED ACCORDING TO THE REFLECTED CEILING PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER COORDINATION WITH OTHER TRADES.
5. **DEMOLITION & ACCESS:** REFER TO THE GENERAL DEMOLITION NOTES FOR INSTRUCTIONS REGARDING THE REMOVAL, REINSTALLATION, OR REPLACEMENT OF EXISTING CEILINGS TO FACILITATE ACCESS TO WORK ABOVE.
6. **COORDINATION WITH OTHER TRADES:** THE CEILING INSTALLER SHALL COORDINATE WITH ALL PRIME CONTRACTORS TO ENSURE THAT WORK INVOLVING CEILING-MOUNTED EQUIPMENT, FIXTURES, OR SYSTEMS IS COMPLETED ON SCHEDULE, PRIOR TO CEILING INSTALLATION, UNLESS SPECIFIED OTHERWISE IN THE APPROVED PROJECT SCHEDULE.
7. **CONTINUITY OF CEILING TYPES:** IN SPACES WITH CLOSETS, ALCOVES, OR SIMILAR AUXILIARY AREAS, CEILING FINISHES SHALL EXTEND SEAMLESSLY INTO THESE AREAS UNLESS EXPLICITLY INDICATED OTHERWISE.
8. **CONTROL JOINTS:** PROVIDE GYB CONTROL JOINTS IN ACCORDANCE WITH GA-216 AND ASTM C840. INSTALL CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0" O.C. IN CEILINGS AND AT LOCATIONS OF BUILDING EXPANSION JOINTS, SEISMIC SEPARATIONS, CHANGES IN CEILING PLANE, AND AS OTHERWISE REQUIRED BY THE GYPSUM ASSOCIATION.
9. **FINISHES & PAINTING:**
   GYPSUM BOARD CEILINGS, SOFFITS, AND BULKHEADS SHALL BE PAINTED UNLESS NOTED OTHERWISE.

   ALL EXPOSED STRUCTURAL ELEMENTS AND MISCELLANEOUS METALS AT CEILINGS SHALL BE PAINTED UNLESS SPECIFIED OTHERWISE.

   EXPOSED WOOD GROUNDS, BACKERS, FILLERS, SPACERS, AND OTHER COMPONENTS ASSOCIATED WITH EQUIPMENT OR ACCESSORY INSTALLATION SHALL BE FINISHED TO MATCH THE CEILING SURFACE UNLESS OTHERWISE INDICATED.

   PIPING, CONDUITS, JUNCTION BOXES, AND SIMILAR ELEMENTS THAT ARE EXPOSED SHALL BE PAINTED TO MATCH THE CEILING UNLESS NOTED OTHERWISE.
10. **ACCESS & MAINTENANCE:** CEILINGS CONCEALING EQUIPMENT REQUIRING ACCESS SHALL INCORPORATE AN ACCESS PANEL OF APPROPRIATE SIZE AND CONFIGURATION, SUPPLIED BY THE CONTRACTOR RESPONSIBLE FOR THE EQUIPMENT AND INSTALLED FOR SUBSEQUENT HANDOVER TO THE GENERAL CONTRACTOR.
11. **CEILING PENETRATIONS & FINISHES:** IN CASES WHERE CEILING SURFACES OF DIFFERENT COLORS INTERSECT, ACCESS DOORS SHALL BE PAINTED TO MATCH THE CEILING UNLESS OTHERWISE SPECIFIED. HVAC GRILLES AND REGISTERS INSTALLED IN CEILINGS OF CONTRASTING COLORS SHALL BE PAINTED TO MATCH THE CEILING UNLESS DIRECTED OTHERWISE.
12. **PERIMETER & EDGE CONDITIONS:** WHERE PERIMETER MOLDING IS UNSUPPORTED BY WALLS OR OTHER RIGID STRUCTURES, PROVIDE EXTRUDED ALUMINUM PERIMETER TRIM, 6 INCHES IN HEIGHT, AS PER THE GRID MANUFACTURER'S STANDARD, UNLESS OTHERWISE INDICATED.
13. **PANEL & EDGE FINISHES:** EXPOSED EDGES OF ACOUSTICAL PANEL CEILING TILES SHALL BE FINISHED TO MATCH THEIR FACTORY SURFACE PER THE MANUFACTURER'S RECOMMENDATIONS OR AS APPROVED BY THE ARCHITECT.

TRUE NORTH
NORTH

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re-habitat

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REGISTERED ARCHITECT DOUGLAS K. ARENE 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
OVERALL LOWER LEVEL RCP

DRAWING NUMBER:
A-121

SHEET 54 OF 198

RCP SYMBOLS LEGEND

	ROUND DOWNLIGHT		PLASTIC LAMINATE ACOUSTIC FOLDING DOOR ENCLOSURE		SUSPENDED DRYWALL SYSTEM		EXIT SIGN
	SURFACE MOUNTED LIGHT		HIGH BAY LIGHT FIXTURES		SUSPENDED ACOUSTICAL CEILING SYSTEM		PENDANT SPRINKLER HEAD
	LINEAR PENDANT LIGHT		CYLINDER PENDANT LIGHT		SUPPLY AIR GRILLE		UPRIGHT SPRINKLER HEAD
	LINEAR WALL MOUNT LIGHT		EXHAUST FAN		EXPOSED DUCT		CONCEALED SPRINKLER HEAD
	2'x2' TROFFER LIGHT		RETURN AIR GRILLE		CEILING TYPE TAG		
	SQUARE DOWNLIGHT		ACOUSTICAL GYPSUM PANEL CEILINGS				
	RECESSED PROJECTION						
	PROJECTO						

CEILING TYPE TAG

GWB-# — CEILING TYPE REFER TO CEILING TYPE

PT-# — CEILING FINISH WHERE APPLICABLE

10' - 0" — CEILING HEIGHT ABOVE FINISHED FLOOR

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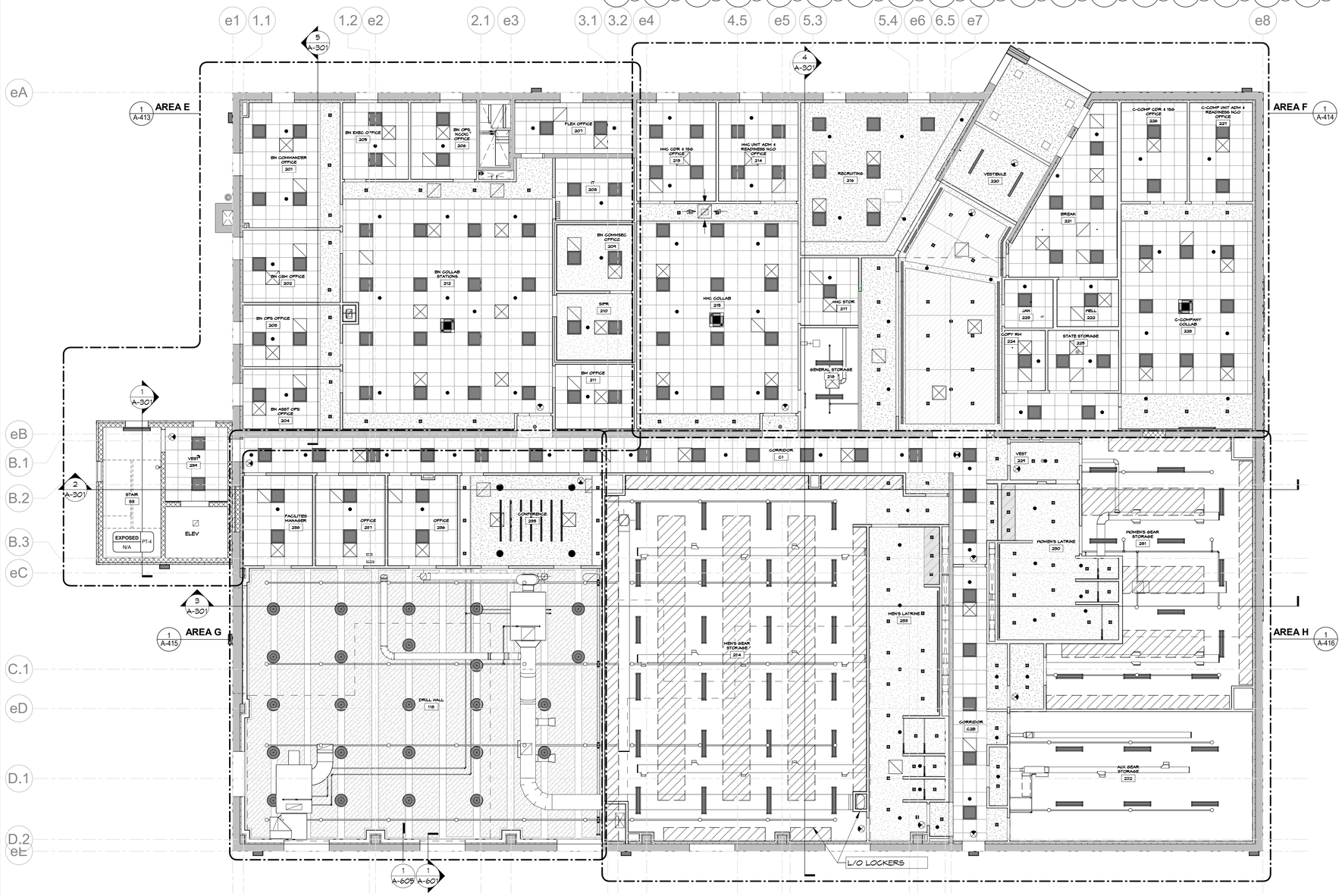
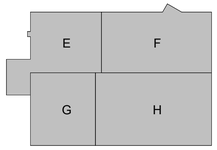


1 UPPER LEVEL
SCALE : 1/8" = 1'-0"



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CONSULTANT

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
OVERALL UPPER LEVEL RCP

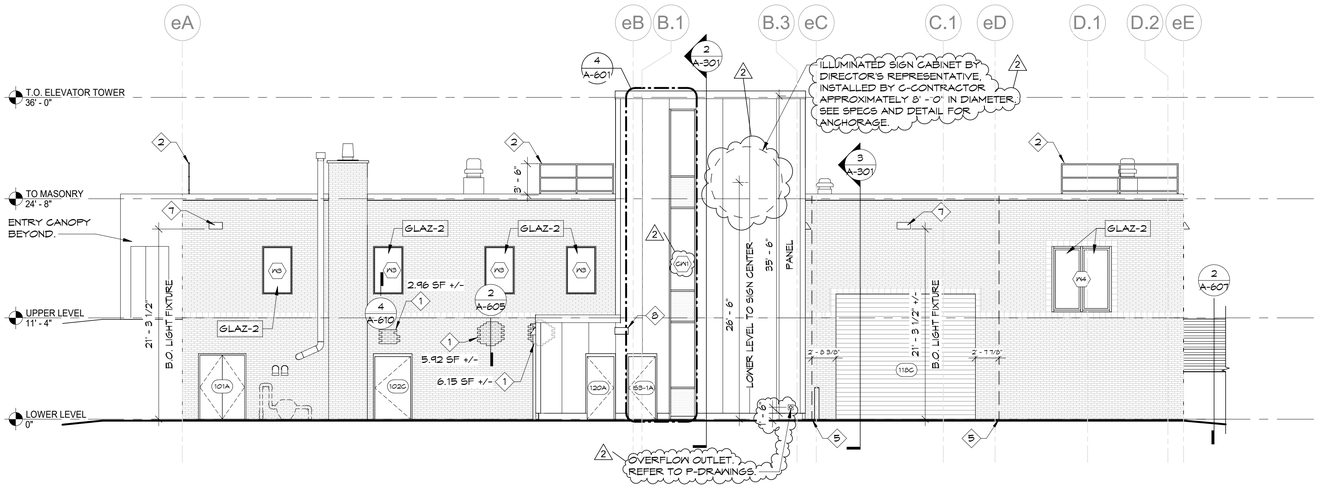
DRAWING NUMBER:
A-122

SHEET 55 OF 198

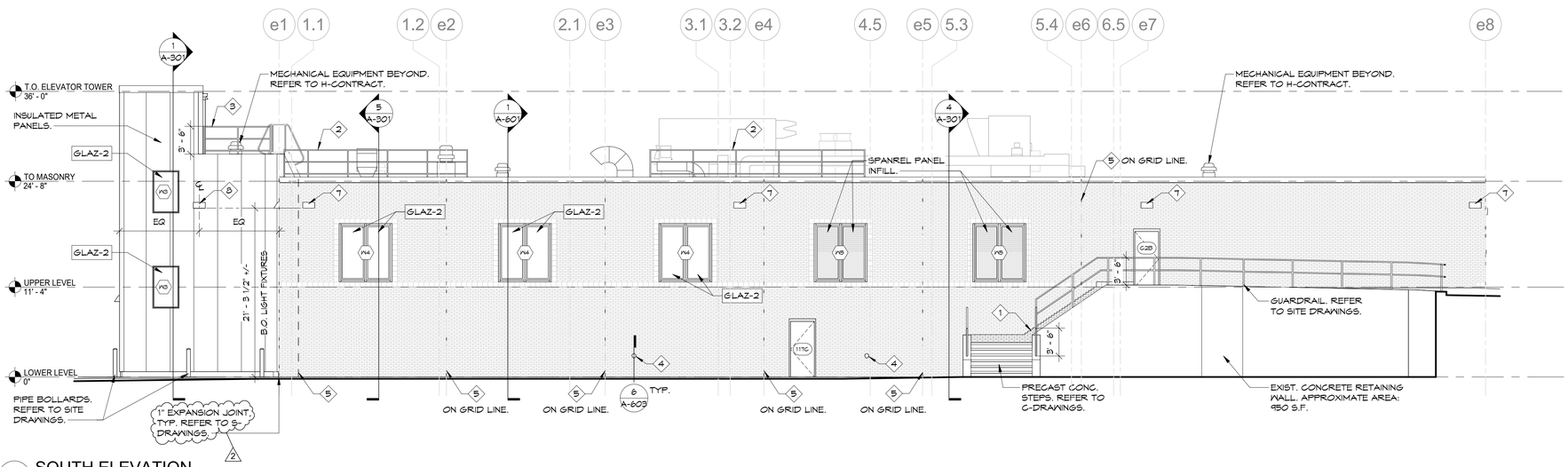
KEYNOTES - EXTERIOR	
NUMBER	NOTE
1	MASONRY PATCH. UTILIZE SALVAGED BRICK AND MORTAR TINTED TO MATCH EXISTING.
2	BALLASTED, GALVANIZED, PAINTED OSHA-COMPLIANT GUARD RAILS.
3	FIXED, GALVANIZED, PAINTED OSHA-COMPLIANT GUARD RAILS.
4	SLEEVED CABLE PASS-THROUGHS.
5	EXISTING VERTICAL CONTROL JOINT. REPACK AND SEAL, INCLUDING ALL CONTROL JOINTS NOT SPECIFICALLY INDICATED IN ELEVATIONS.
7	EXTERIOR LIGHTING WALL PACK. LOCATION DEPENDENT ON EXISTING EXTERIOR LIGHTING JUNCTION BOX. SEE E-DRAWINGS AND SPECIFICATIONS.
8	EXTERIOR LIGHTING WALL PACK OVER INSULATED METAL PANELS. WHERE APPLICABLE, CENTER OVER DOOR AT THE ELEVATION INDICATED. SEE E-CONTRACT AND SPECIFICATIONS.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

1 GLAZING NOTES: REFER TO SPECS.



1 WEST ELEVATION
SCALE : 1/8" = 1'-0"



2 SOUTH ELEVATION
SCALE : 1/8" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
EXTERIOR ELEVATIONS

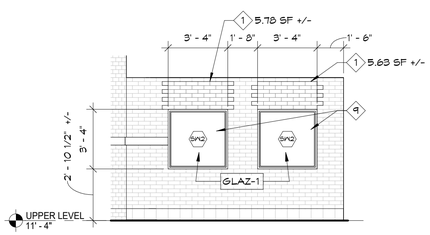
DRAWING NUMBER:
A-201

SHEET 56 OF 198

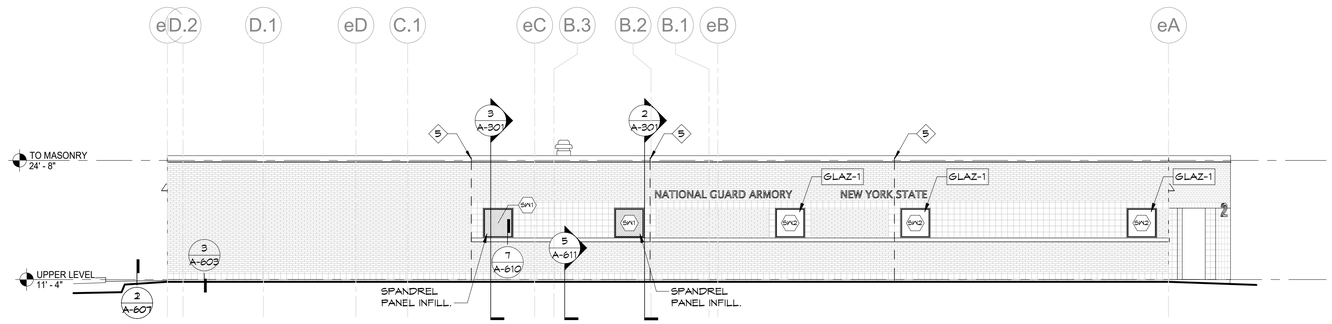
KEYNOTES - EXTERIOR	
NUMBER	NOTE
1	MASONRY PATCH. UTILIZE SALVAGED BRICK AND MORTAR TINTED TO MATCH EXISTING.
2	BALLASTED, GALVANIZED, PAINTED OSHA-COMPLIANT GUARD RAILS.
3	FIXED, GALVANIZED, PAINTED OSHA-COMPLIANT GUARD RAILS.
5	EXISTING VERTICAL CONTROL JOINT. REPACK AND SEAL, INCLUDING ALL CONTROL JOINTS NOT SPECIFICALLY INDICATED IN ELEVATIONS. 1
6	EXTRUDED ALUMINUM MECHANICAL LOUVER W/ MOTORIZED DAMPER AND CONCEALED LINKAGE. REFER TO H-CONTRACT. B.O.D. GREENHECK EAC-601. COLOR: PATINA GREEN. 1
7	EXTERIOR LIGHTING WALL PACK. LOCATION DEPENDENT ON EXISTING EXTERIOR LIGHTING JUNCTION BOX. SEE E-DRAWINGS AND SPECIFICATIONS.
8	EXTERIOR LIGHTING WALL PACK OVER INSULATED METAL PANELS. WHERE APPLICABLE, CENTER OVER DOOR AT THE ELEVATION INDICATED. SEE E-CONTRACT AND SPECIFICATIONS.
9	PROVIDE SECURITY OBSCURATION FILM ON INSIDE OF GLAZING.

1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.

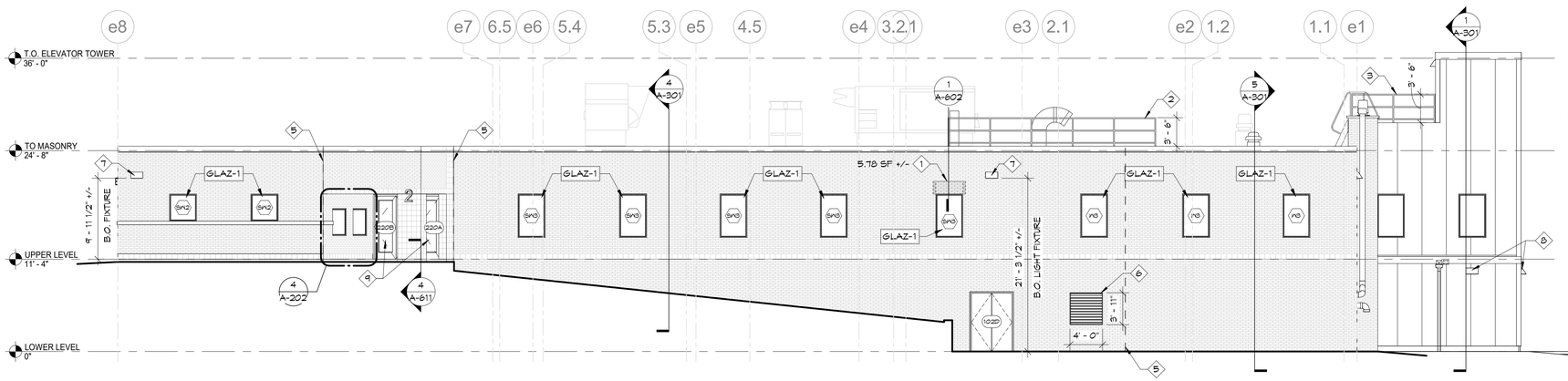
1 GLAZING NOTES: REFER TO SPECS.



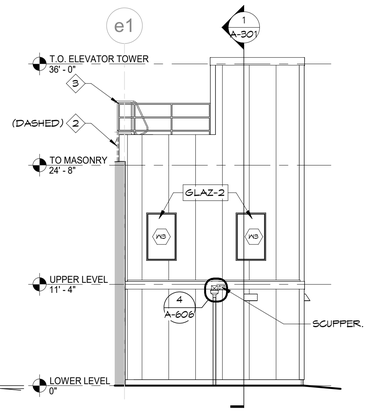
4 ANGLED ENTRY
SCALE : 1/4" = 1'-0"



2 EAST ELEVATION
SCALE : 1/8" = 1'-0"



1 NORTH ELEVATION
SCALE : 1/8" = 1'-0"



3 NORTH ADDITION
SCALE : 1/8" = 1'-0"

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DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

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MARK	DATE	DESCRIPTION
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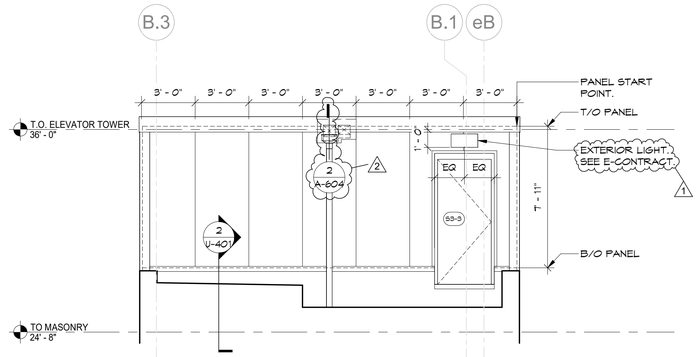
PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
EXTERIOR ELEVATIONS

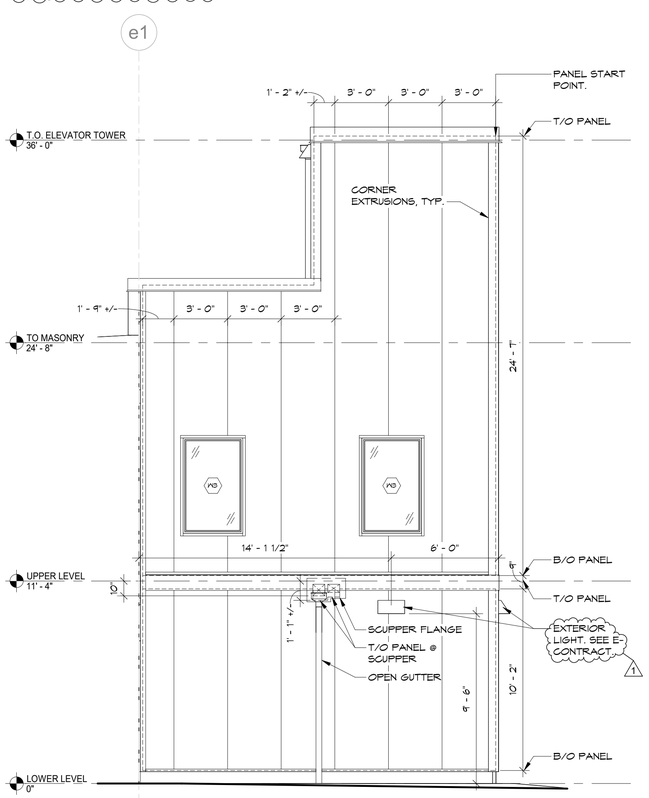
DRAWING NUMBER:
A-202

SHEET 57 OF 198



1 EAST ELEVATION
SCALE : 1/4" = 1'-0"

METAL PANEL BASIS OF DESIGN:
CENTRIA VERSAWALL-V, 2-3/4" THICK
COLOR: 977 MOSS
EXTRUSIONS BASIS OF DESIGN:
CENTRIA EXTRUSIONS
COLOR: 154 DARK BRONZE



2 NORTH ELEVATION
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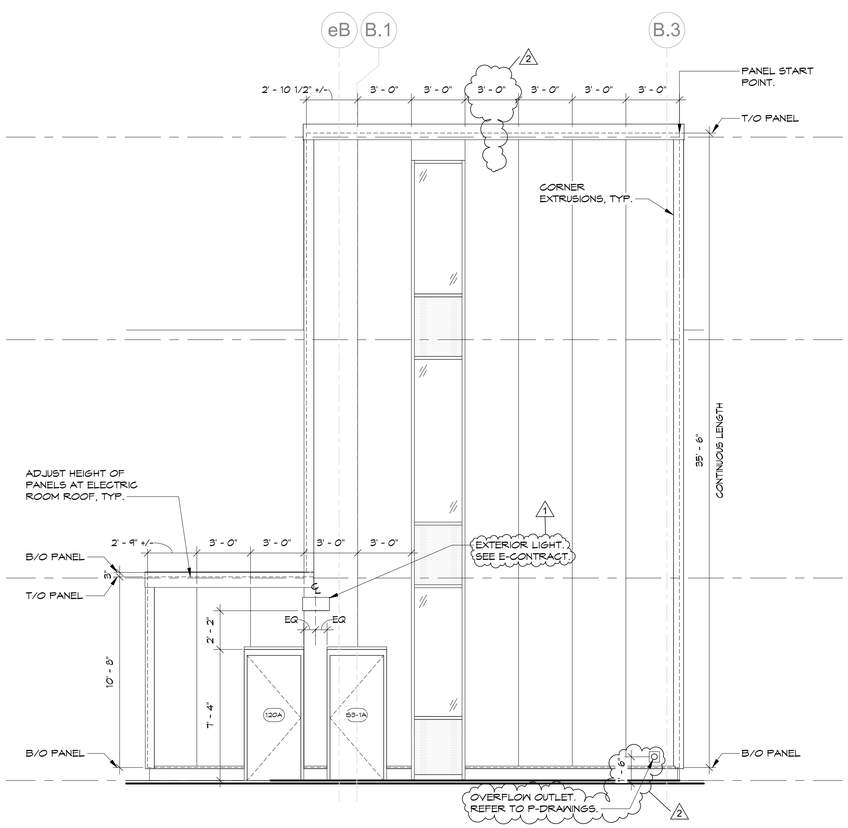

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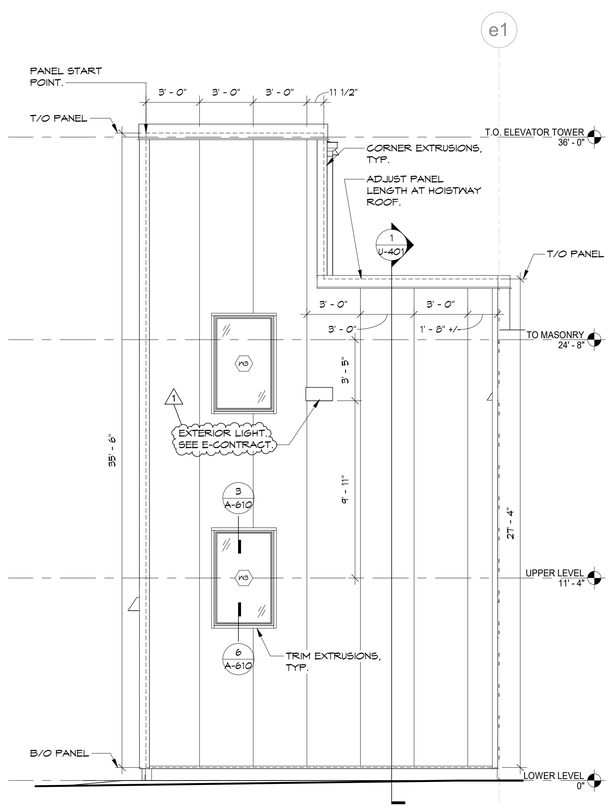
SCALE : 1/4" = 1'-0"



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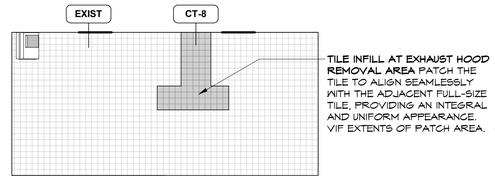
FIELD CHECK:	JLP
APPROVED:	DKA

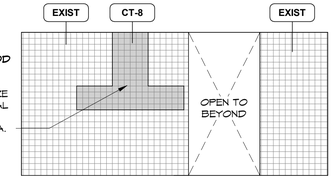
SHEET TITLE:
METAL PANEL ELEVATIONS

DRAWING NUMBER:
A-203

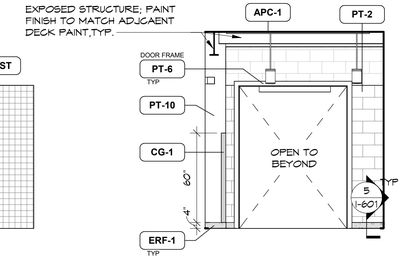
REFER TO INTERIOR FINISH SCHEDULE AND LEGEND ON SHEET I-602 FOR FINISH CLARIFICATIONS. 1



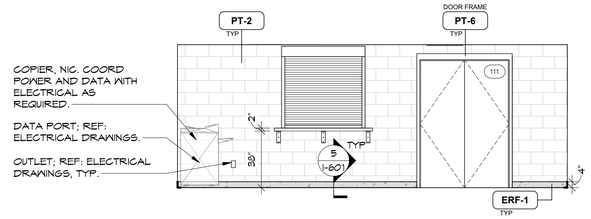
1 KITCHEN 103A WEST
SCALE : 1/4" = 1'-0"



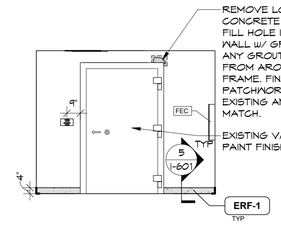
2 KITCHEN 103A EAST
SCALE : 1/4" = 1'-0"



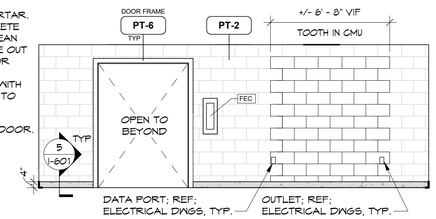
3 CORRIDOR C4 EAST
SCALE : 1/4" = 1'-0"



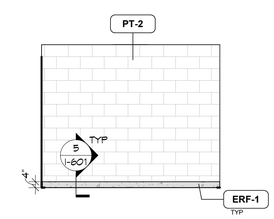
4 OFFICE 112 NORTH
SCALE : 1/4" = 1'-0"



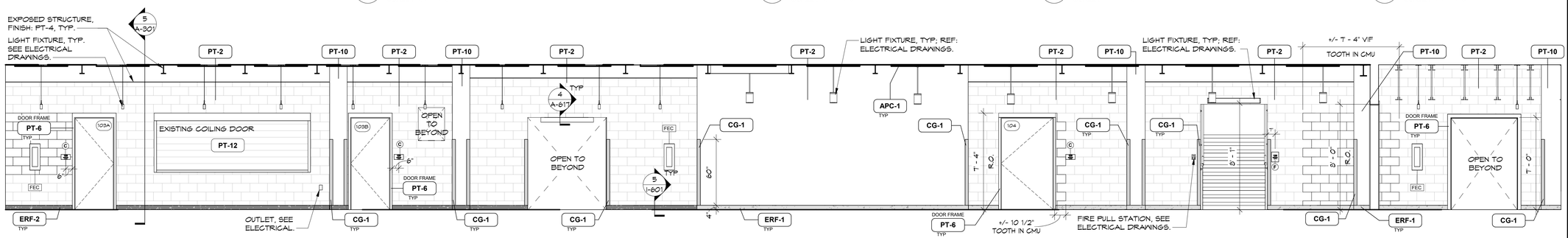
5 OFFICE 112 EAST
SCALE : 1/4" = 1'-0"



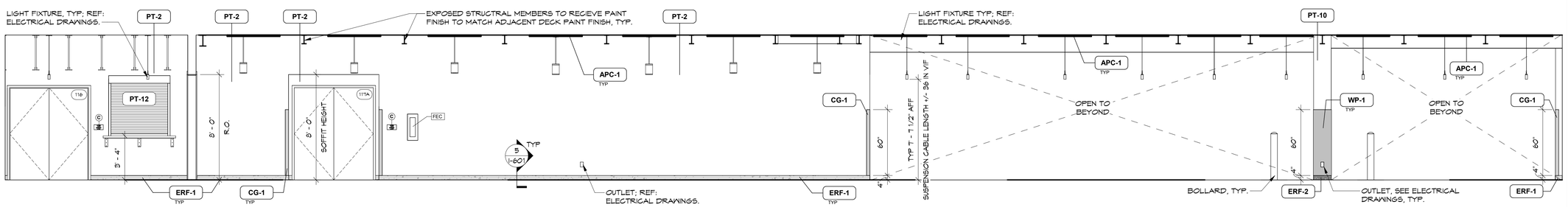
6 OFFICE 112 SOUTH
SCALE : 1/4" = 1'-0"



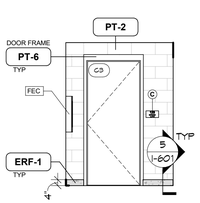
7 OFFICE 112 WEST
SCALE : 1/4" = 1'-0"



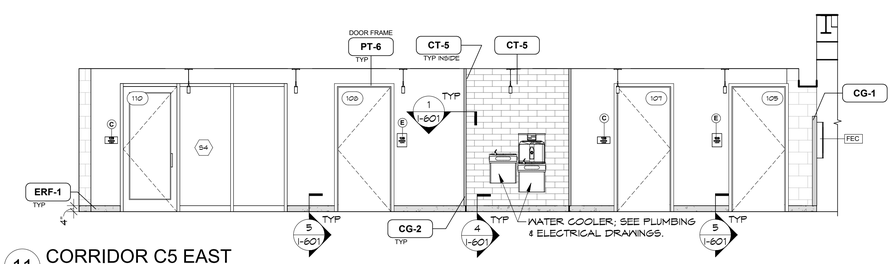
8 CORRIDOR C4 NORTH
SCALE : 1/4" = 1'-0"



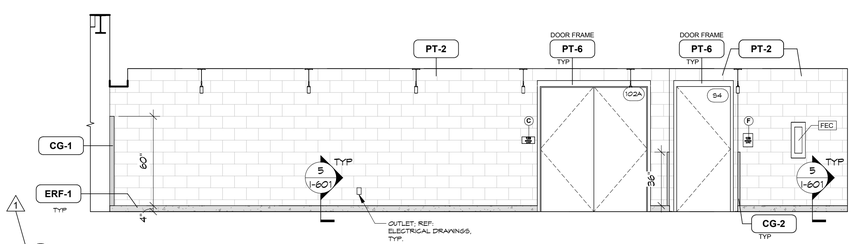
9 CORRIDOR C4 SOUTH
SCALE : 1/4" = 1'-0"



10 CORRIDOR C5 NORTH
SCALE : 1/4" = 1'-0"



11 CORRIDOR C5 EAST
SCALE : 1/4" = 1'-0"



12 CORRIDOR C5 WEST
SCALE : 1/4" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

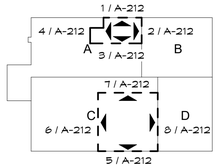
PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
INTERIOR ELEVATIONS LOWER LEVEL

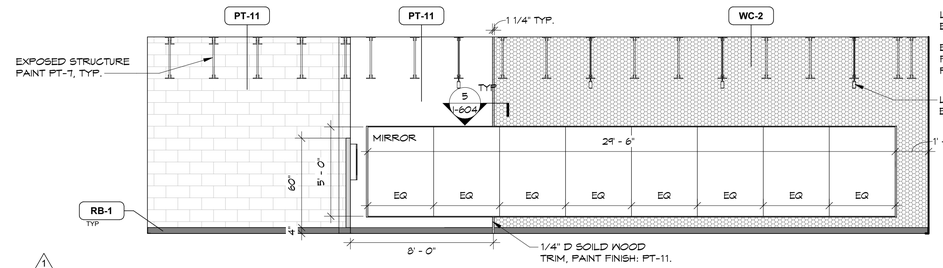
DRAWING NUMBER:
A-211

SHEET 59 OF 198

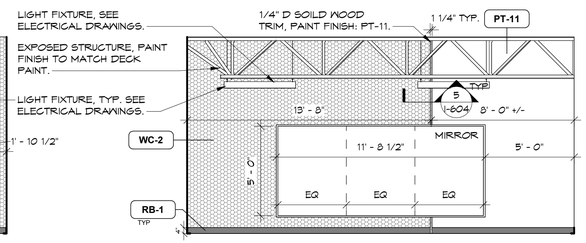
1 REFER TO INTERIOR FINISH SCHEDULE AND LEGEND ON SHEET I-602 FOR FINISH CLARIFICATIONS.



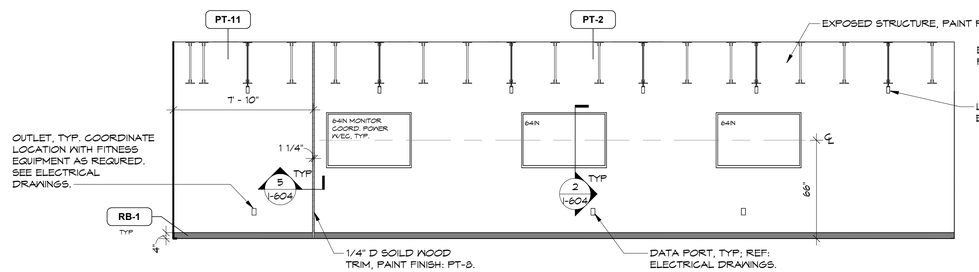
LOWER LEVEL KEY PLAN



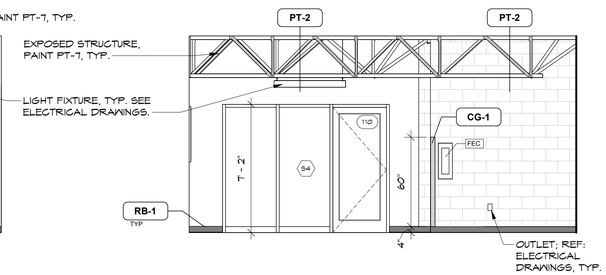
1 FITNESS ROOM 110 ELEVATION PLAN NORTH
SCALE : 1/4" = 1'-0"



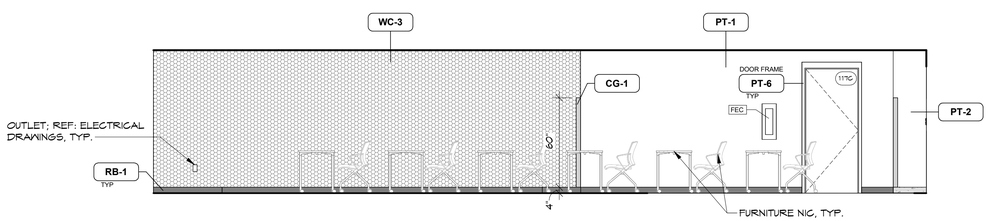
2 FITNESS ROOM 110 ELEVATION PLAN EAST
SCALE : 1/4" = 1'-0"



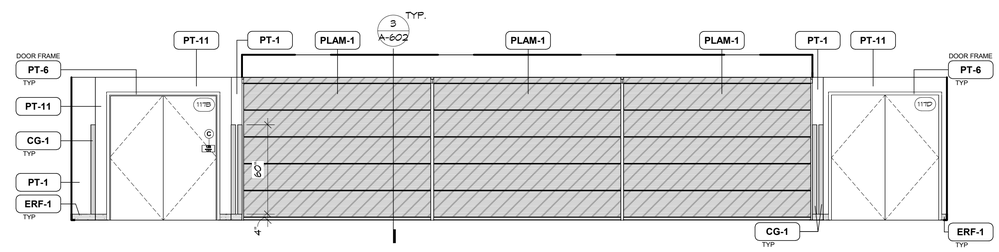
3 FITNESS ROOM ELEVATION PLAN SOUTH
SCALE : 1/4" = 1'-0"



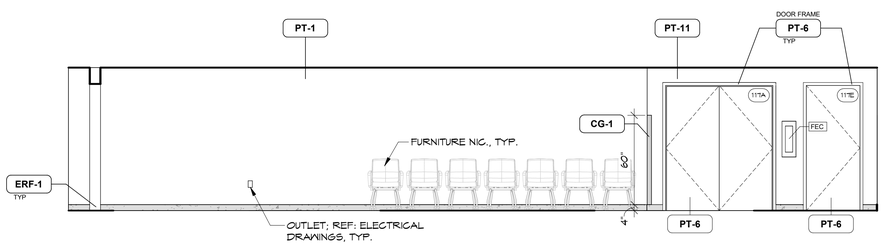
4 FITNESS ROOM 110 ELEVATION WEST
SCALE : 1/4" = 1'-0"



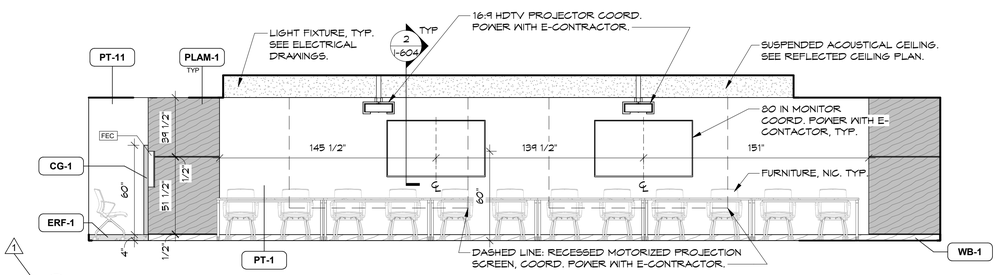
5 MULTIPURPOSE ROOM 117 SOUTH ELEVATION
SCALE : 1/4" = 1'-0"



6 MULTIPURPOSE ROOM 117 WEST ELEVATION
SCALE : 1/4" = 1'-0"



7 MULTIPURPOSE ROOM 117 ELEVATION PLAN NORTH
SCALE : 1/4" = 1'-0"



8 MULTIPURPOSE ROOM 117 ELEVATION PLAN EAST
SCALE : 1/4" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

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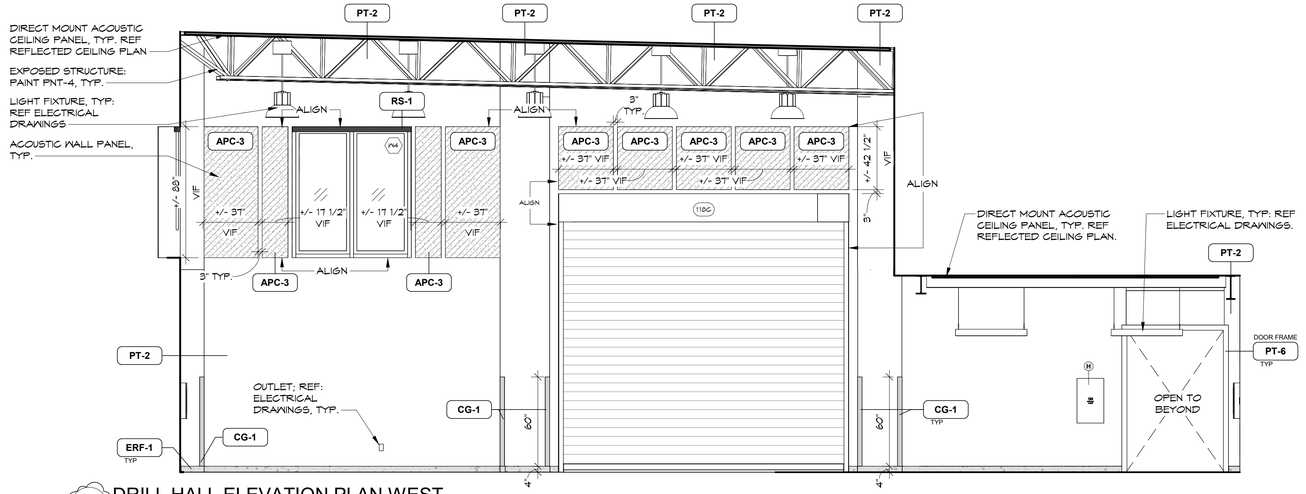
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
INTERIOR ELEVATIONS LOWER LEVEL

DRAWING NUMBER:
A-212

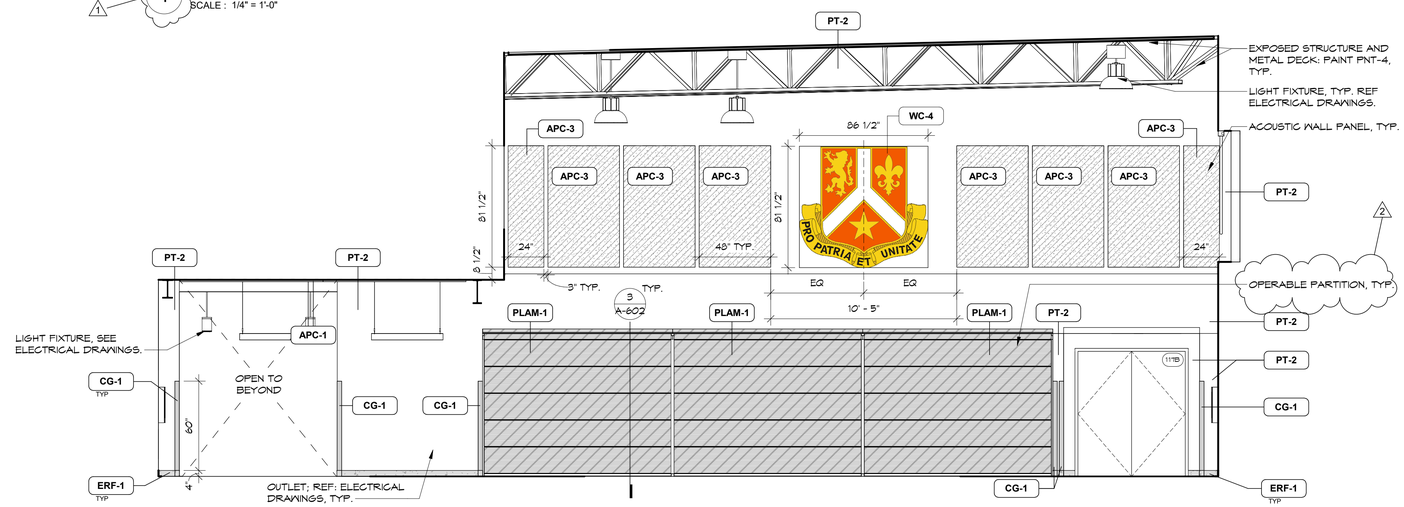
SHEET 60 OF 198

REFER TO INTERIOR FINISH SCHEDULE AND LEGEND ON SHEET I-602 FOR FINISH CLARIFICATIONS.



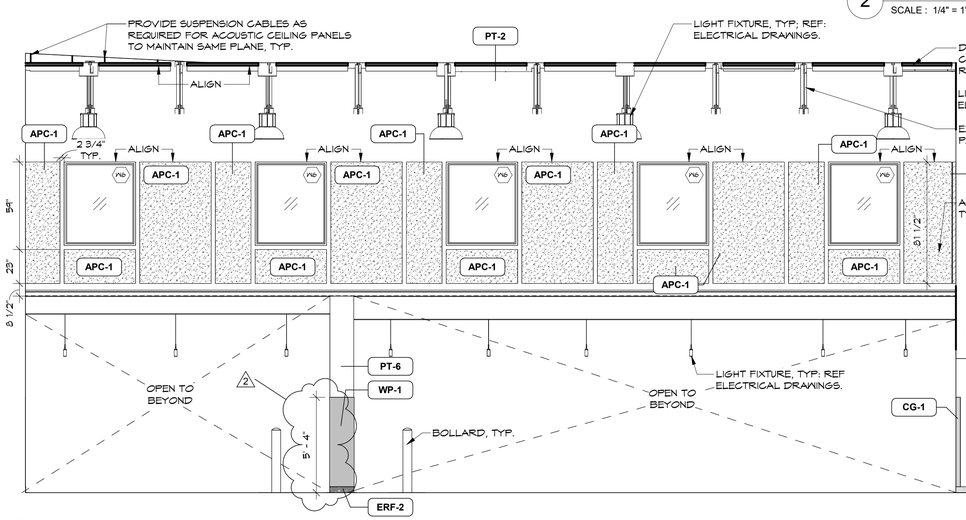
1 DRILL HALL ELEVATION PLAN WEST

SCALE : 1/4" = 1'-0"



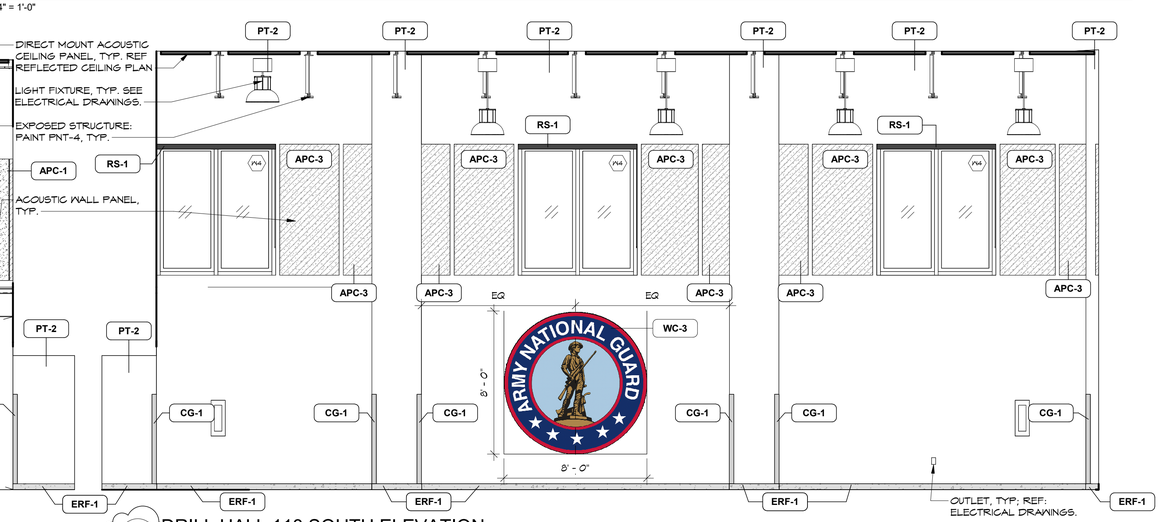
2 DRILL HALL EAST ELEVATION

SCALE : 1/4" = 1'-0"



3 DRILL HALL 118 NORTH ELEVATION

SCALE : 1/4" = 1'-0"



4 DRILL HALL 118 SOUTH ELEVATION

SCALE : 1/4" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

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PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

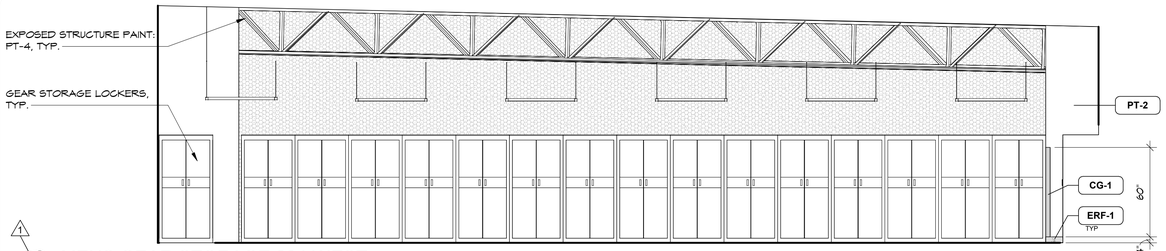
SHEET TITLE:

INTERIOR ELEVATIONS LOWER LEVEL

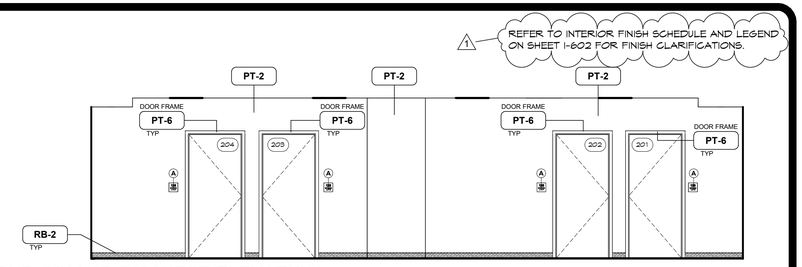
DRAWING NUMBER:

A-213

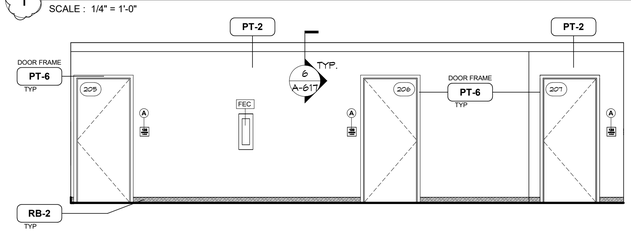
SHEET 61 OF 198



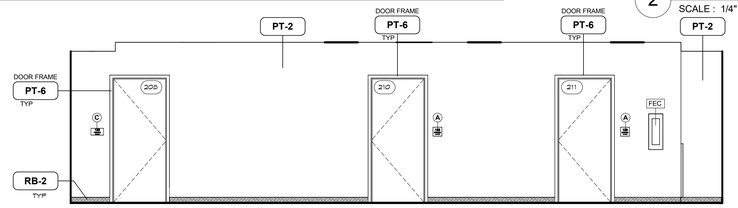
1 MENS GEAR STORAGE 234 WEST
SCALE : 1/4" = 1'-0"



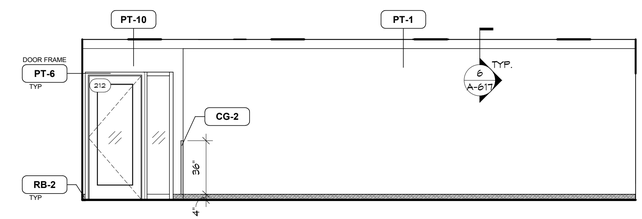
2 BNB COLLAB 212 WEST ELEVATION
SCALE : 1/4" = 1'-0"



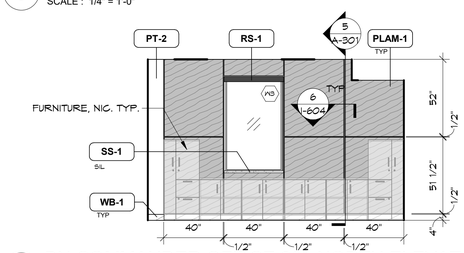
3 BNB COLLAB 212 NORTH ELEVATION
SCALE : 1/4" = 1'-0"



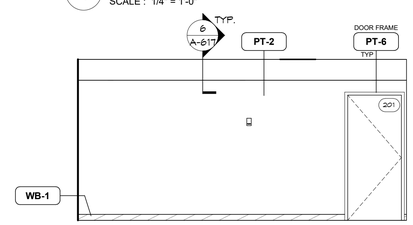
4 BNB COLLAB 212 EAST
SCALE : 1/4" = 1'-0"



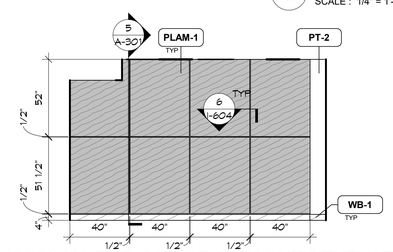
5 BNB COLLAB 212 SOUTH ELEVATION
SCALE : 1/4" = 1'-0"



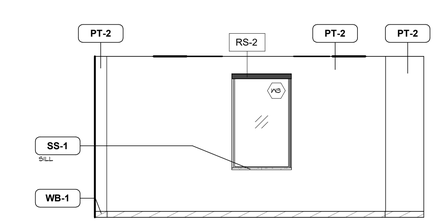
6 BN COMMANDER OFFICE 201 NORTH ELEVATION
SCALE : 1/4" = 1'-0"



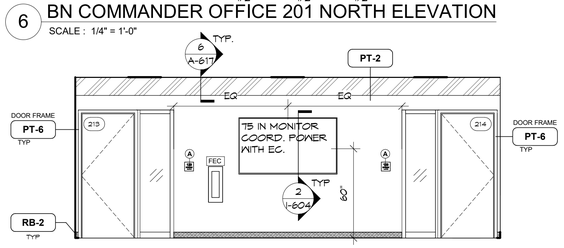
7 BN COMMANDER OFFICE 201 EAST ELEVATION
SCALE : 1/4" = 1'-0"



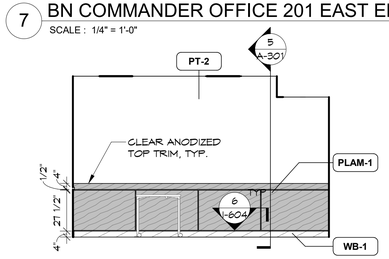
8 BN COMMANDER OFFICE 201 SOUTH ELEVATION
SCALE : 1/4" = 1'-0"



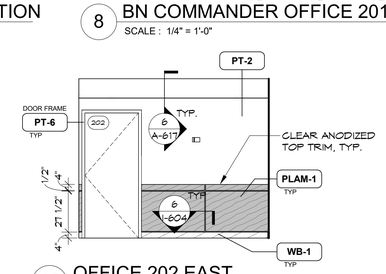
9 BN COMMANDER OFFICE 201 WEST ELEVATION
SCALE : 1/4" = 1'-0"



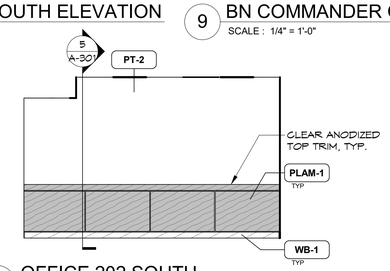
10 HHC COLLAB 215 NORTH
SCALE : 1/4" = 1'-0"



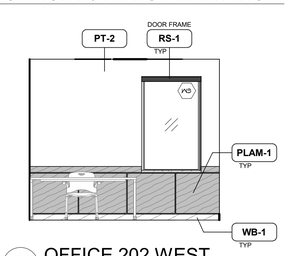
11 OFFICE 202 NORTH
SCALE : 1/4" = 1'-0"



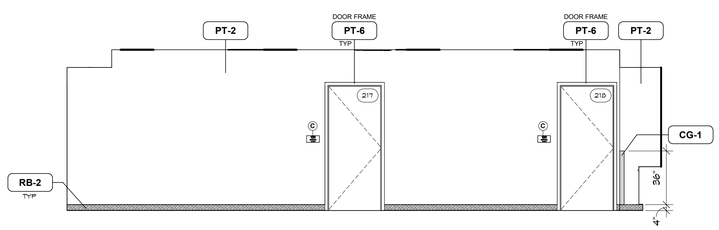
12 OFFICE 202 EAST
SCALE : 1/4" = 1'-0"



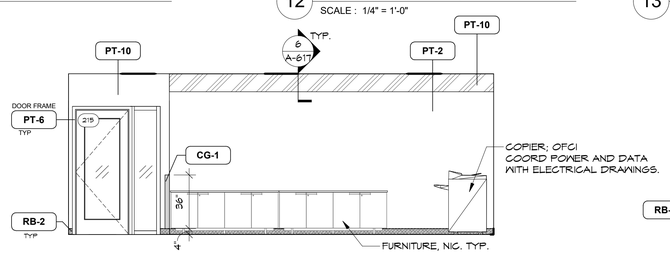
13 OFFICE 202 SOUTH
SCALE : 1/4" = 1'-0"



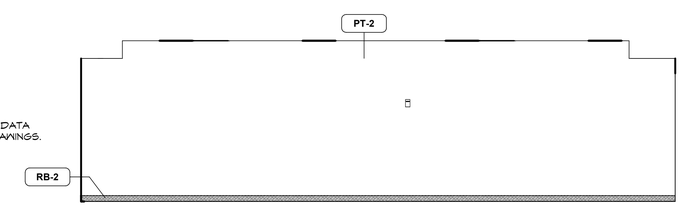
14 OFFICE 202 WEST
SCALE : 1/4" = 1'-0"



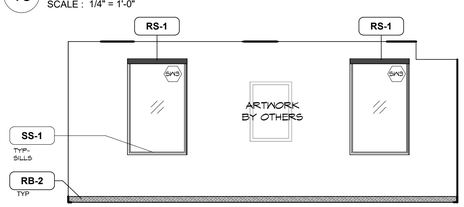
15 HHC COLLAB 215 EAST
SCALE : 1/4" = 1'-0"



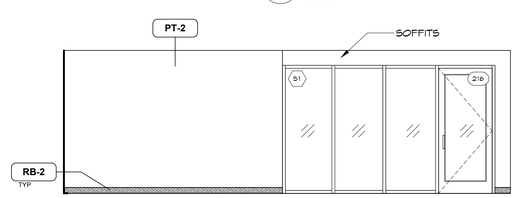
16 HHC COLLAB 215 SOUTH
SCALE : 1/4" = 1'-0"



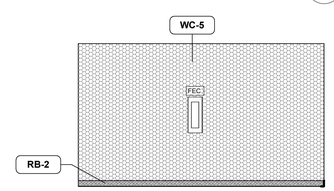
17 HCC COLLAB 215 WEST
SCALE : 1/4" = 1'-0"



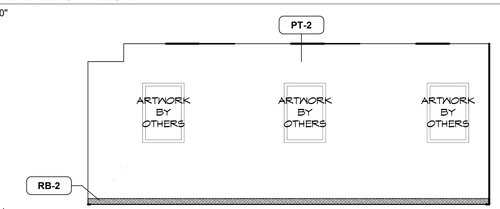
18 RECRUITING 216 NORTH ELEVATION
SCALE : 1/4" = 1'-0"



19 RECRUTING 216 EAST
SCALE : 1/4" = 1'-0"



20 RECRUITING 216 ELEVATION SOUTH
SCALE : 1/4" = 1'-0"



21 RECRUTING 216 ELEVATION WEST
SCALE : 1/4" = 1'-0"

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CONSTRUCTION

TITLE:
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CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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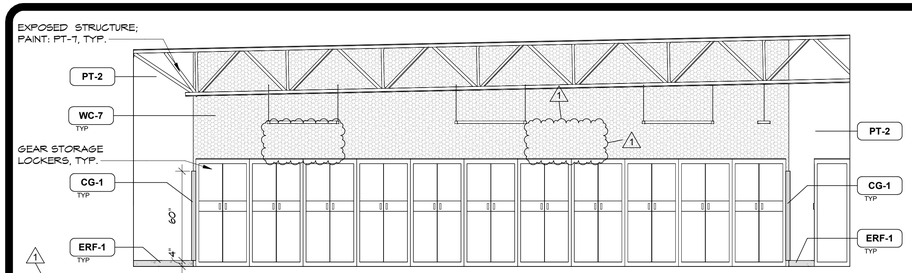
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

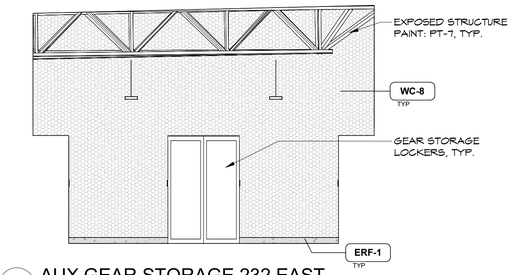
SHEET TITLE:
INTERIOR ELEVATIONS UPPER LEVEL

DRAWING NUMBER:
A-214

SHEET 62 OF 198

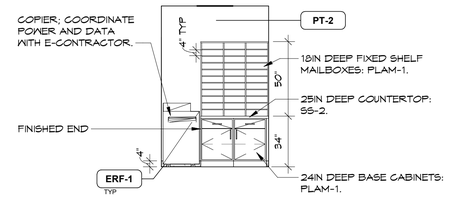


1 WOMEN'S GEAR STORAGE 231 EAST
SCALE : 1/4" = 1'-0"

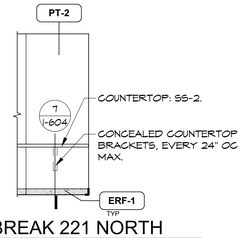


2 AUX GEAR STORAGE 232 EAST
SCALE : 1/4" = 1'-0"

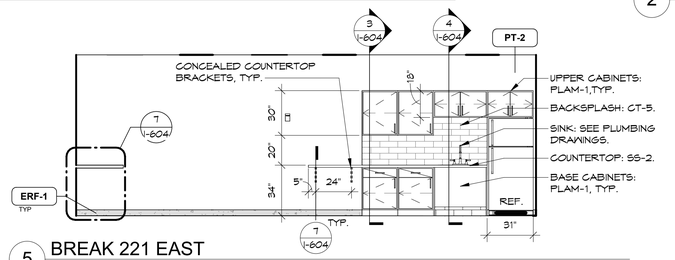
REFER TO INTERIOR FINISH SCHEDULE AND LEGEND ON SHEET I-602 FOR FINISH CLARIFICATIONS.



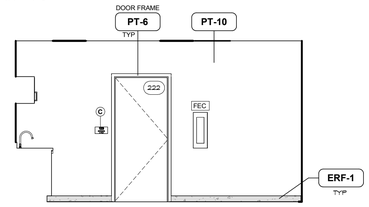
3 COPY ROOM 224 NORTH
SCALE : 1/4" = 1'-0"



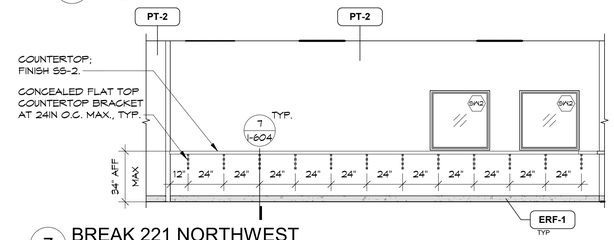
4 BREAK 221 NORTH
SCALE : 1/4" = 1'-0"



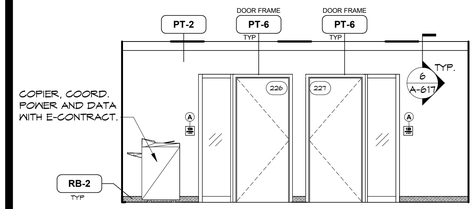
5 BREAK 221 EAST
SCALE : 1/4" = 1'-0"



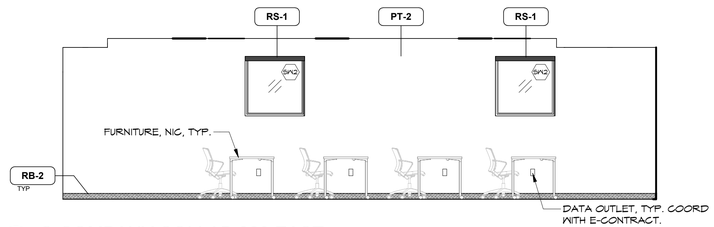
6 BREAK 221 SOUTH
SCALE : 1/4" = 1'-0"



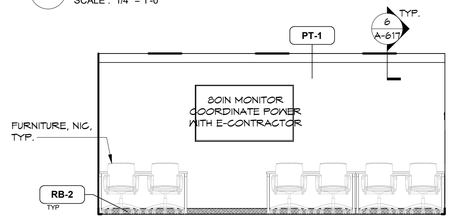
7 BREAK 221 NORTHWEST
SCALE : 1/4" = 1'-0"



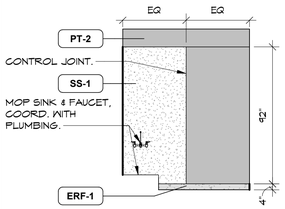
8 C-COMPANY COLLAB 228 NORTH
SCALE : 1/4" = 1'-0"



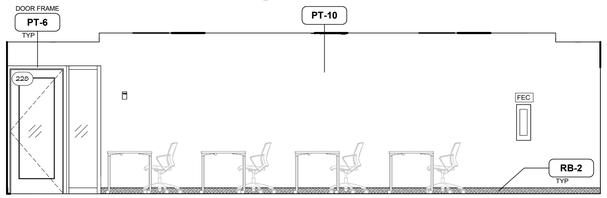
9 C-COMPANY COLLAB 228 EAST
SCALE : 1/4" = 1'-0"



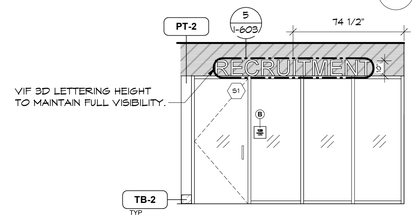
10 C-COMPANY COLLAB 228 SOUTH
SCALE : 1/4" = 1'-0"



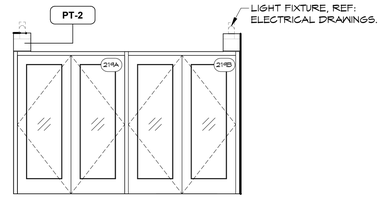
11 JANITOR 223 EAST
SCALE : 1/4" = 1'-0"



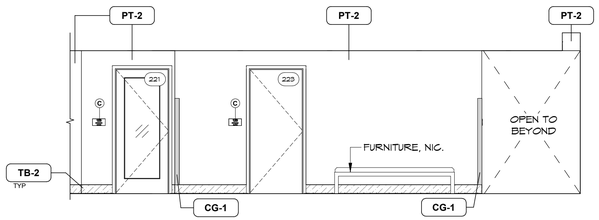
12 C-COMPANY COLLAB 228 WEST
SCALE : 1/4" = 1'-0"



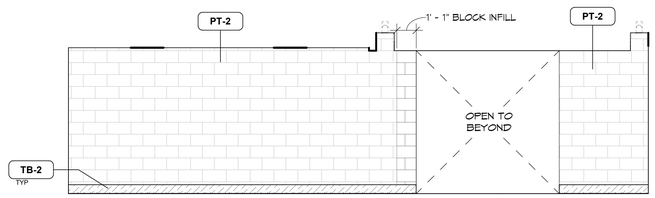
13 LOBBY 219 NORTHWEST
SCALE : 1/4" = 1'-0"



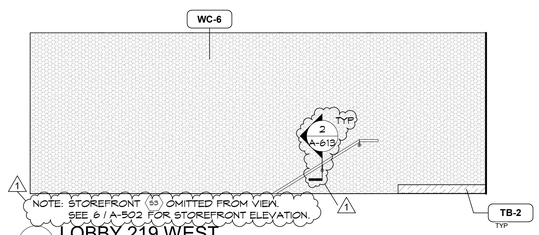
14 LOBBY 219 NORTH EAST
SCALE : 1/4" = 1'-0"



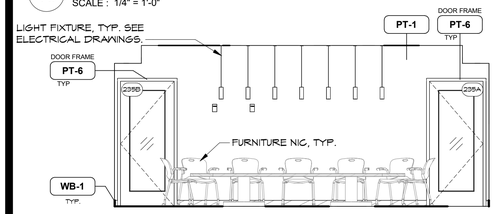
15 LOBBY 219 EAST
SCALE : 1/4" = 1'-0"



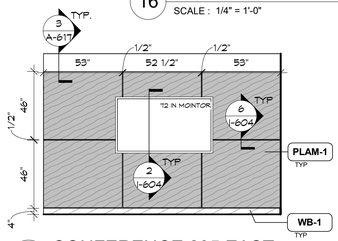
16 LOBBY 219 SOUTH
SCALE : 1/4" = 1'-0"



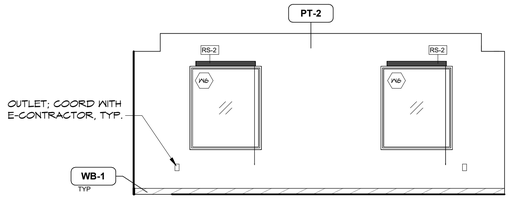
17 LOBBY 219 WEST
SCALE : 1/4" = 1'-0"



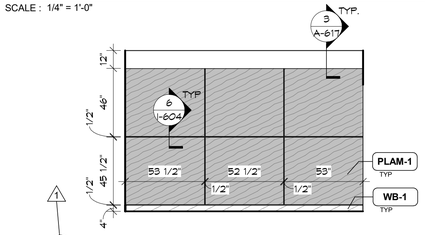
18 CONFERENCE 235 NORTH
SCALE : 1/4" = 1'-0"



19 CONFERENCE 235 EAST
SCALE : 1/4" = 1'-0"



20 CONFERENCE 235 SOUTH
SCALE : 1/4" = 1'-0"



21 CONFERENCE 235 WEST
SCALE : 1/4" = 1'-0"

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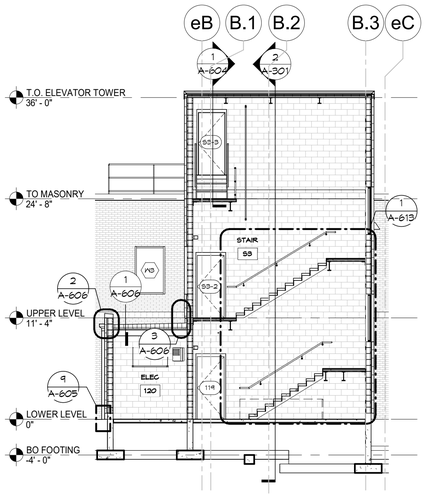
PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

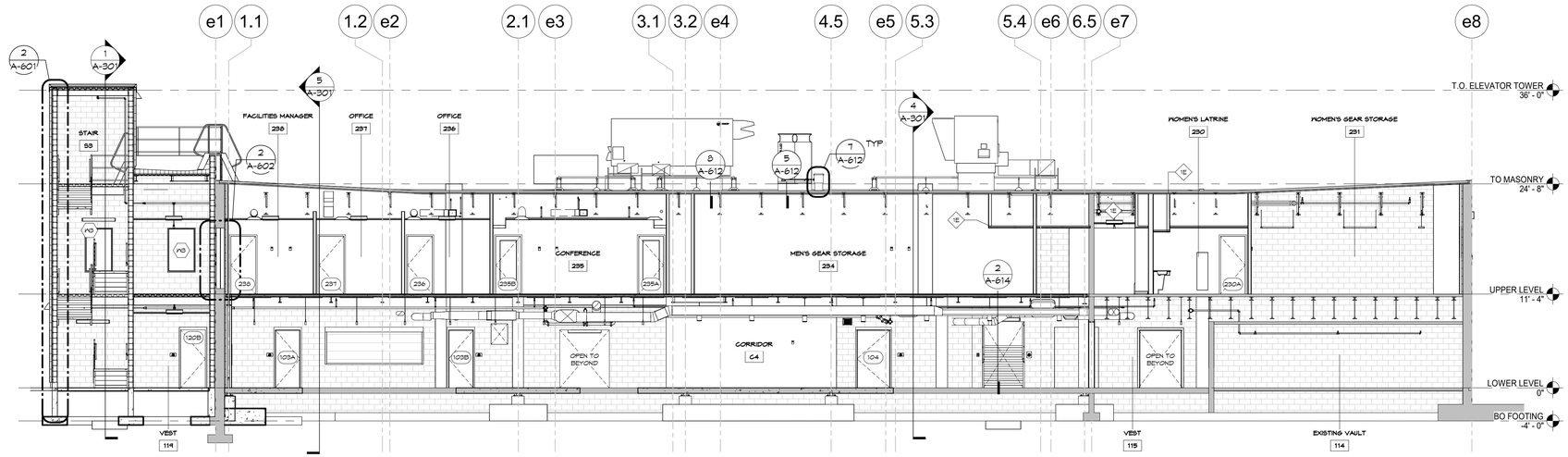
SHEET TITLE:
INTERIOR ELEVATIONS
UPPER LEVEL

DRAWING NUMBER:
A-215

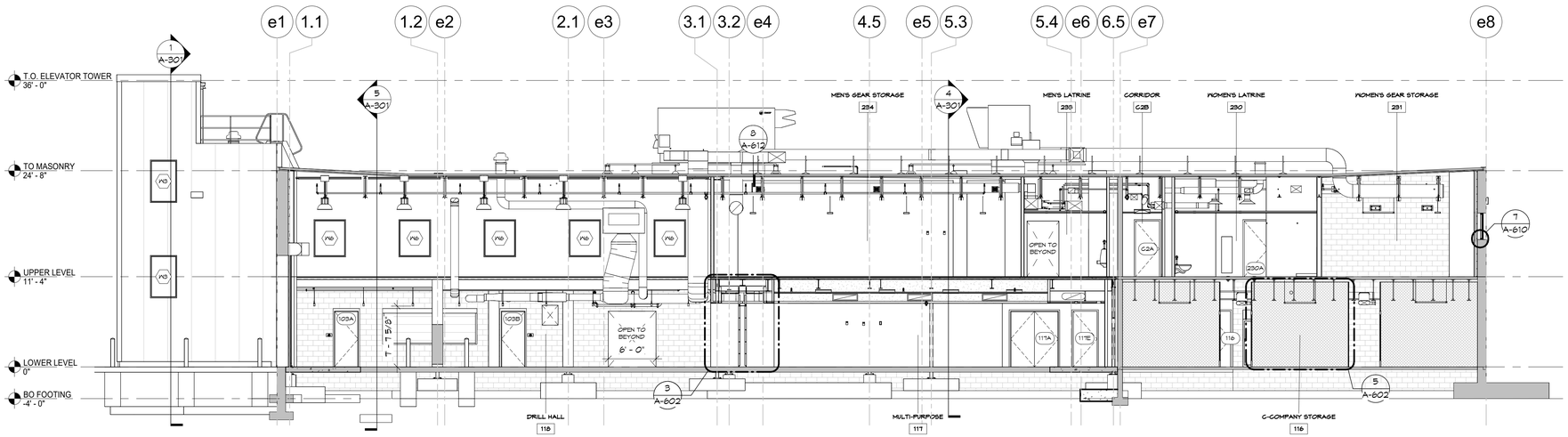
SHEET 63 OF 198



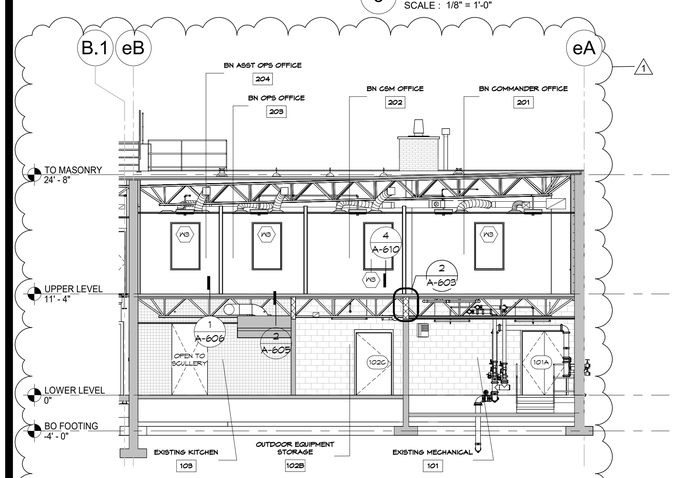
1 BUILDING SECTION - N-S THRU STAIR
SCALE : 1/8" = 1'-0"



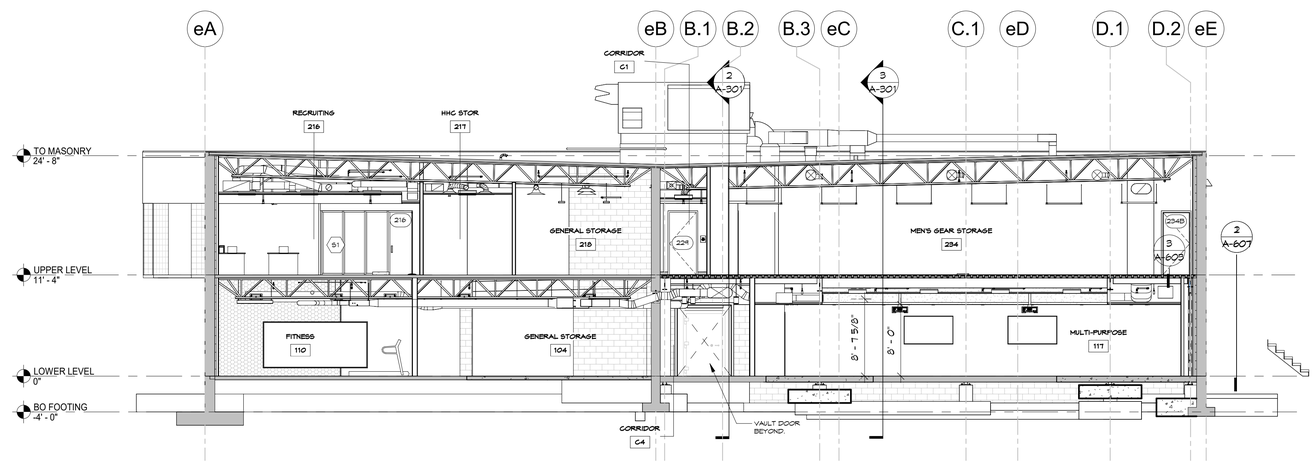
2 BUILDING SECTION - E-W THRU STAIR TOWER
SCALE : 1/8" = 1'-0"



3 BUILDING SECTION - EAST-WEST
SCALE : 1/8" = 1'-0"



5 BUILDING SECTION - N-S THRU MECHANICAL
SCALE : 1/8" = 1'-0"



4 BUILDING SECTION - NORTH-SOUTH
SCALE : 1/8" = 1'-0"

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DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
BUILDING SECTIONS

DRAWING NUMBER:
A-301

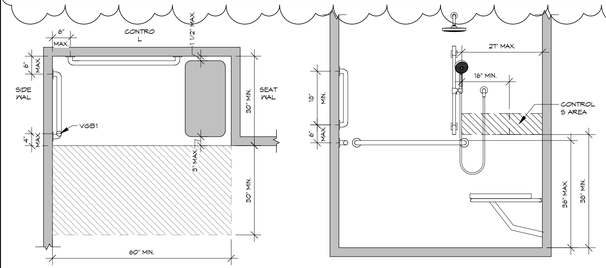
SHEET 64 OF 198

PLUMBING FIXTURE SCHEDULE

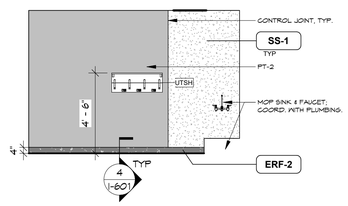
TAG	DESCRIPTION	BASIS OF DESIGN	FIXTURE/FAUCET/FLUSH VALVE	FINISH
DF-1	DRINKING FOUNTAIN	ELKAY LZSTL8WSLK BI-LEVEL W/BOTTLE FILLER	--	--
JS-1	JANITOR'S SINK	ZURN Z5850-D3	ZURN Z843M1-5H	CHROME
LAV-1	LAVATORY	ZURN Z5220-PC	ZURN AQUASPEC Z81104-XL-28M-G	CHROME
SH-1	SHOWER 36x36	KOHLER ARCHER K-9396	KOHLER CASTIA K-T535916-4G	CHROME
SH-1A	ROLL-IN ADA SHOWER 36x62	OASIS SB-MD-6236 ROLL-IN SHOWER	KOHLER ANWAKEN K-26914-G-CP	CHROME
SK-1	SINK W/FAUCET	ELKAY ECTSR25224TBG	ELKAY LK535AT08L2	CHROME
UR-1/UR-1A	URINAL (STANDARD & ADA)	ZURN Z5730	ZURN Z6003AV-EWS	CHROME
WC-1/WC-1A	WATER CLOSET (STANDARD & ADA)	ZURN Z5615-BWL	ZURN Z6000AV-HET	CHROME

PLUMBING ACCESSORIES SCHEDULE

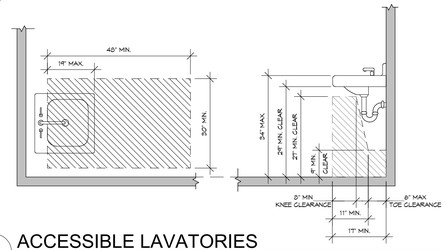
TAG	DESCRIPTION	BASIS OF DESIGN	FINISH
BCS	BABY CHANGING STATION	KOALA KARE KB-310-SSWM SURFACE MOUNTED STATION	STAINLESS STEEL
GB36	GRAB BAR, 36"L	BOBRICK B-6806.99x 36 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
GB42	GRAB BAR, 42"L	BOBRICK B-6806.99x 42 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
HSD	HAND SANITIZER DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
MR	MIRROR	BOBRICK B-290 24" x 42" WELDED FRAME	SATIN STAINLESS STEEL
PTD	PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE	BOBRICK B-43944 RECESSED DISPENSER & WASTE RECEPTACLE	SATIN STAINLESS STEEL
RH	TOWEL & GARMENT HOOK	BOBRICK B-76127 SURFACE MOUNTED DOUBLE ROBE HOOK	SATIN STAINLESS STEEL
SCD	SEAT COVER DISPENSER	BOBRICK B-4221 SURFACE MOUNTED SEAT COVER DISPENSER	SATIN STAINLESS STEEL
SD	SOAP DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
SNDU	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK B-270 1-GALLON DISPOSAL UNIT	SATIN STAINLESS STEEL
SR	SHOWER ROD (CURTAIN BY TENANT)	BOBRICK SHOWER CURTAIN ROD w/ CONCEALED MOUNTING	SATIN STAINLESS STEEL
TTD	TOILET TISSUE DISPENSER	BOBRICK B-4288 SURFACE MOUNTED w/ TWO ROLL CAPACITY	SATIN STAINLESS STEEL
VGB18	VERTICAL GRAB BAR, 18"L	BOBRICK B-6806.99x 18 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
UTSH	JANITORIAL UTILITY SHELF & MOP HOLDERS	BOBRICK B-239 x 34 SURFACE MOUNTED UTILITY SHELF	SATIN STAINLESS STEEL



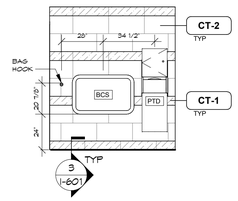
1 ACCESSIBLE ROLL IN SHOWER
SCALE : 1/2" = 1'-0"



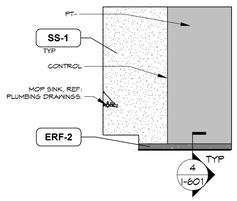
2 JANITOR 107 EAST
SCALE : 1/4" = 1'-0"



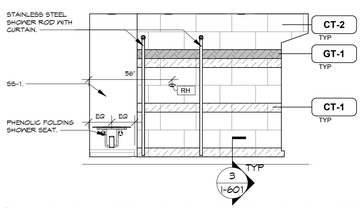
3 ACCESSIBLE LAVATORIES
SCALE : 1/2" = 1'-0"



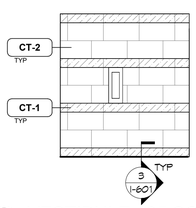
4 VESTIBULE 105 NORTH
SCALE : 1/4" = 1'-0"



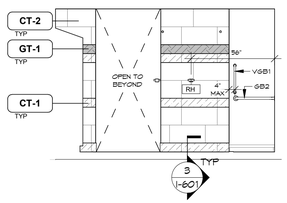
5 JANITOR 107 SOUTH
SCALE : 1/4" = 1'-0"



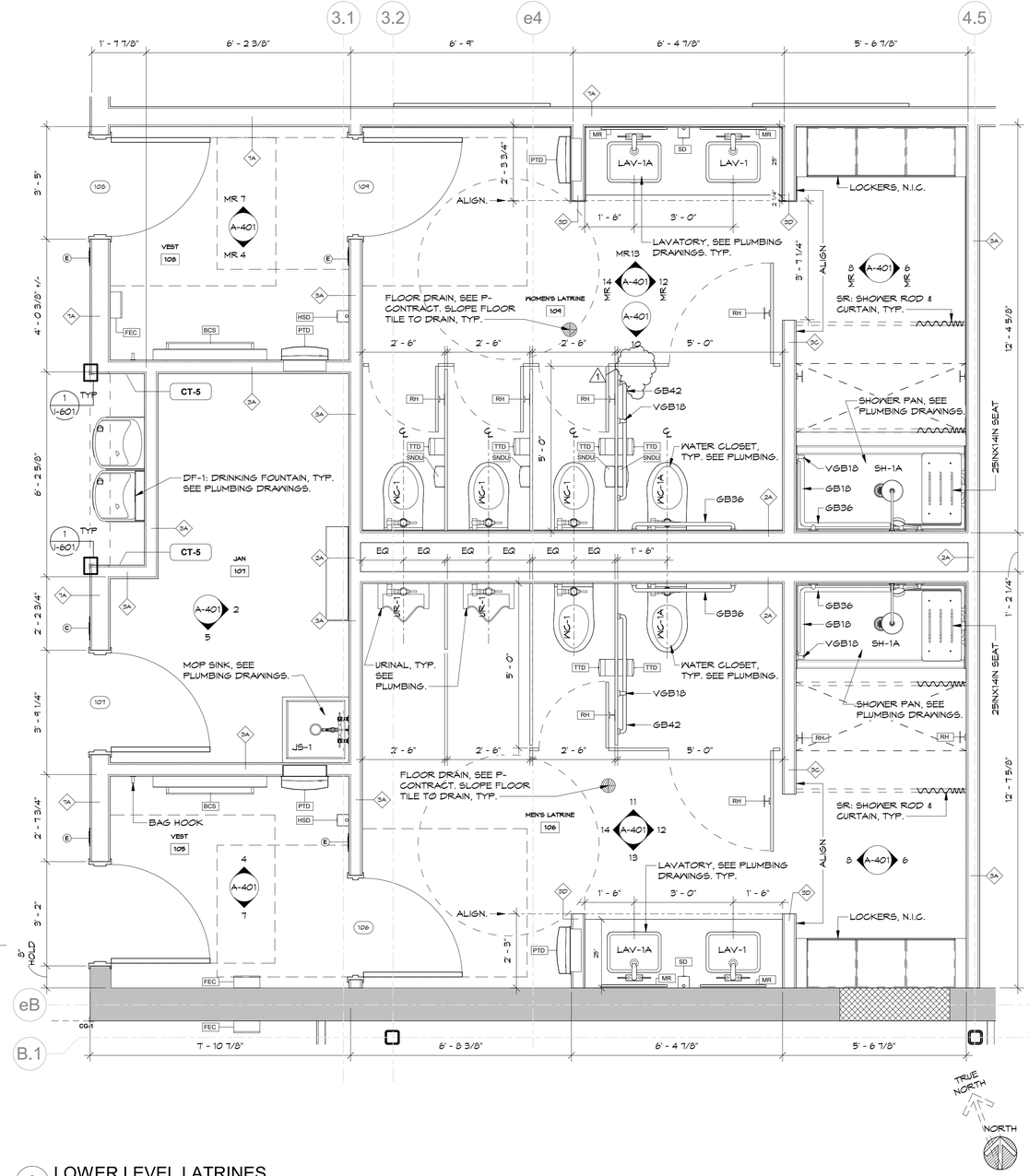
6 MENS LATRINE 106 EAST - SHOWER
SCALE : 1/4" = 1'-0"



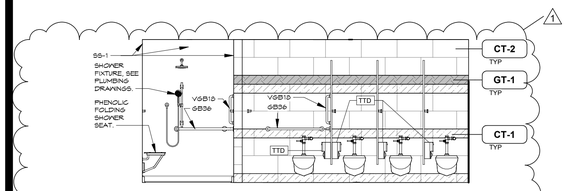
7 VESTIBULE 105 SOUTH
SCALE : 1/4" = 1'-0"



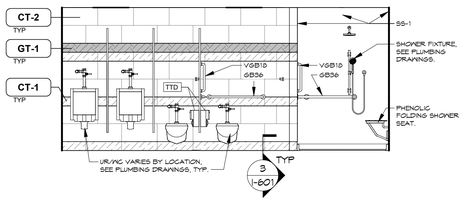
8 MENS LAT. 106 W - SHOWER
SCALE : 1/4" = 1'-0"



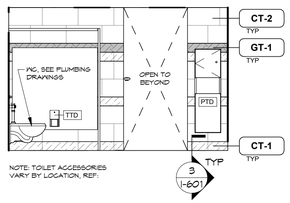
9 LOWER LEVEL LATRINES
SCALE : 1/2" = 1'-0"



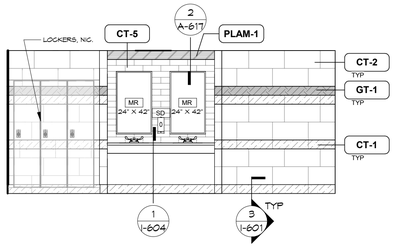
10 WOMEN'S LATRINE 109 SOUTH
SCALE : 1/4" = 1'-0"



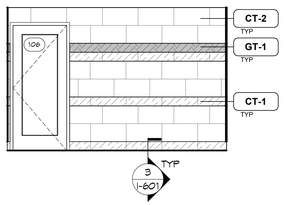
11 MENS LATRINE 106 NORTH
SCALE : 1/4" = 1'-0"



12 MENS LATRINE 106 EAST
SCALE : 1/4" = 1'-0"



13 MENS LATRINE 106 SOUTH
SCALE : 1/4" = 1'-0"



14 MENS LATRINE 106 WEST
SCALE : 1/4" = 1'-0"

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CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**

DESIGNED BY: LS
DRAWN BY: LS/GBT
FIELD CHECK: JLP
APPROVED: DKA

SHEET TITLE:
RESTROOM PLANS & ELEVATIONS

DRAWING NUMBER:
A-401

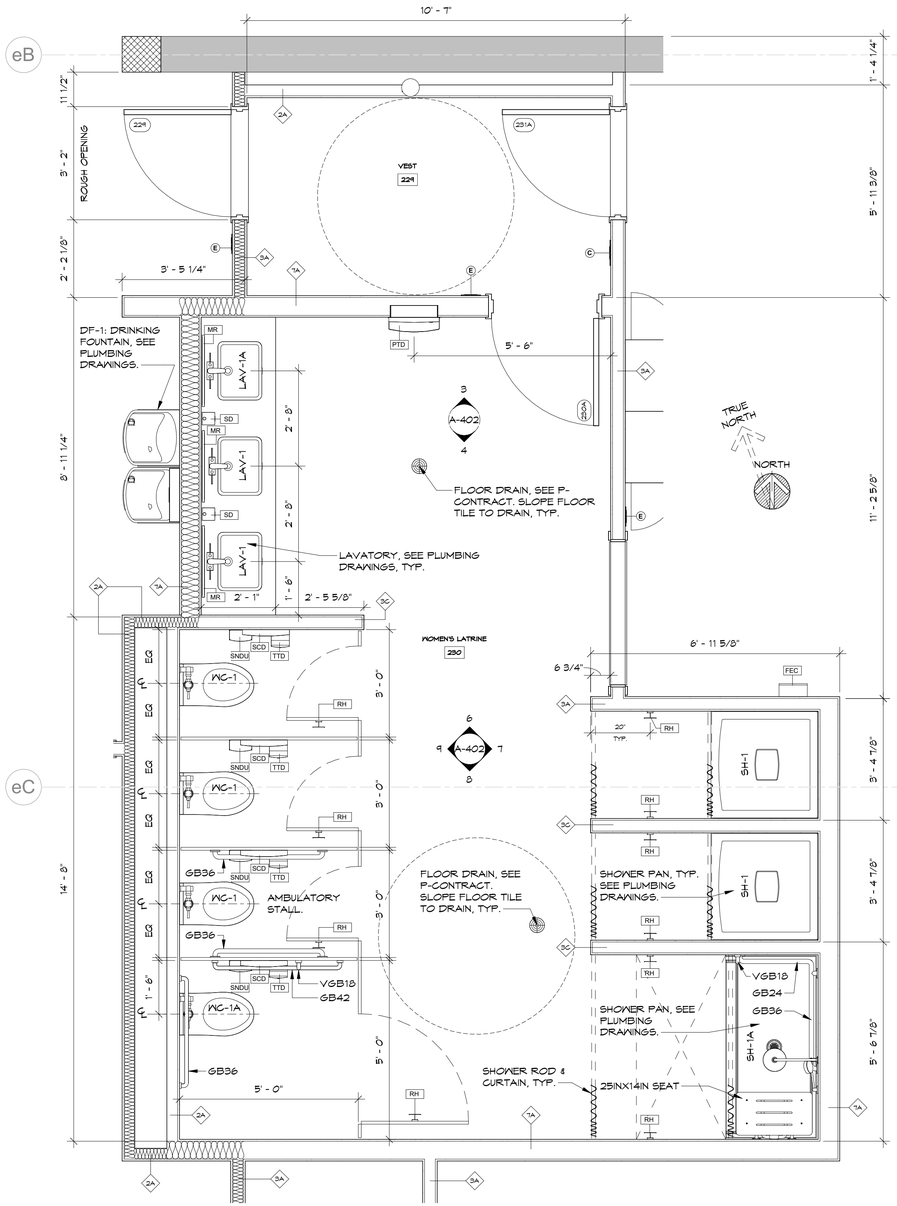
SHEET 65 OF 198

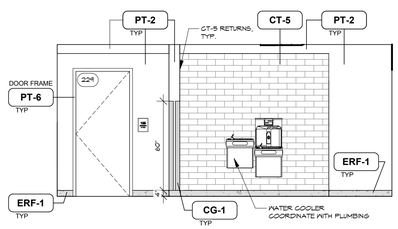
PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN	FIXTURE/FAUCET/FLUSH VALVE	FINISH
DF-1	DRINKING FOUNTAIN	ELKAY LZSTL8WSLK BI-LEVEL W/BOTTLE FILLER	--	--
JS-1	JANITOR'S SINK	ZURN Z5850-D3	ZURN Z843M1-5H	CHROME
LAV-1	LAVATORY	ZURN Z5220-PC	ZURN AQUASPEC Z81104-XL-28M-G	CHROME
SH-1	SHOWER 36x36	KOHLER ARCHER K-9396	KOHLER CASTIA K-T535916-4G	CHROME
SH-1A	ROLL-IN ADA SHOWER 36x62	OASIS SB-MD-6236 ROLL-IN SHOWER	KOHLER AWAKEN K-26914-G-CP	CHROME
SK-1	SINK W/FAUCET	ELKAY ECTSR25224TBG	ELKAY LK535AT08L2	CHROME
UR-1/UR-1A	URINAL (STANDARD & ADA)	ZURN Z5730	ZURN Z6003AV-EWS	CHROME
WC-1/WC-1A	WATER CLOSET (STANDARD & ADA)	ZURN Z5615-BWL	ZURN Z6000AV-HET	CHROME

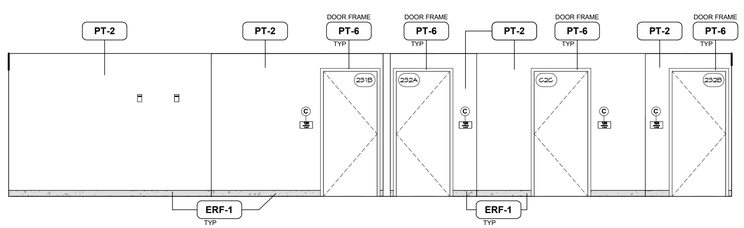
PLUMBING ACCESSORIES SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN	FINISH
BCS	BABY CHANGING STATION	KOALA KARE KB-310-SSWM SURFACE MOUNTED STATION	STAINLESS STEEL
GB36	GRAB BAR, 36"L	BOBRICK B-6806.99x 36 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
GB42	GRAB BAR, 42"L	BOBRICK B-6806.99x 42 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
HSD	HAND SANITIZER DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
MR	MIRROR	BOBRICK B-290 24" x 42" WELDED FRAME	SATIN STAINLESS STEEL
PTD	PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE	BOBRICK B-43944 RECESSED DISPENSER & WASTE RECEPTACLE	SATIN STAINLESS STEEL
RH	TOWEL & GARMENT HOOK	BOBRICK B-76127 SURFACE MOUNTED DOUBLE ROBE HOOK	SATIN STAINLESS STEEL
SCD	SEAT COVER DISPENSER	BOBRICK B-4221 SURFACE MOUNTED SEAT COVER DISPENSER	SATIN STAINLESS STEEL
SD	SOAP DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
SNDU	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK B-270 1-GALLON DISPOSAL UNIT	SATIN STAINLESS STEEL
SR	SHOWER ROD (CURTAIN BY TENANT)	BOBRICK SHOWER CURTAIN ROD w/ CONCEALED MOUNTING	SATIN STAINLESS STEEL
TTD	TOILET TISSUE DISPENSER	BOBRICK B-4288 SURFACE MOUNTED w/ TWO ROLL CAPACITY	SATIN STAINLESS STEEL
VGB18	VERTICAL GRAB BAR, 18"L	BOBRICK B-6806.99x 18 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
UTSH	JANITORIAL UTILITY SHELF & MOP HOLDERS	BOBRICK B-239 x 34 SURFACE MOUNTED UTILITY SHELF	SATIN STAINLESS STEEL

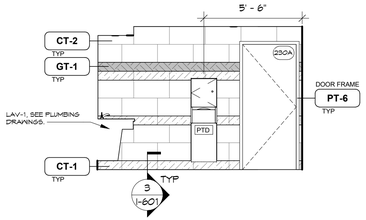




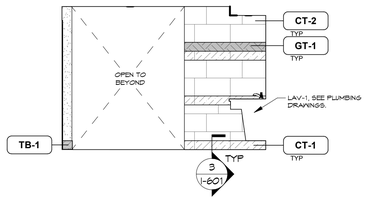
1 CORRIDOR C2A EAST
SCALE : 1/4" = 1'-0"



2 CORRIDOR C2B EAST
SCALE : 1/4" = 1'-0"

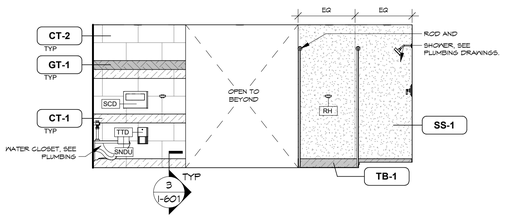


3 WOMEN'S LATRINE 230 NORTH
SCALE : 1/4" = 1'-0"

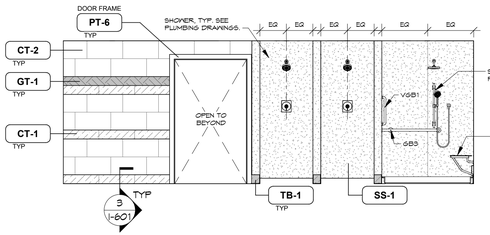


4 WOMEN'S LATRINE 230 SOUTH
SCALE : 1/4" = 1'-0"

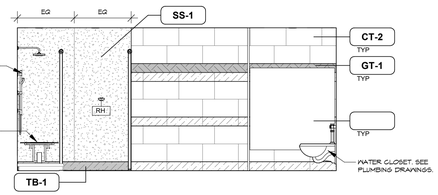
5 ENLARGED PLAN - WOMEN'S LATRINE 230
SCALE : 1/2" = 1'-0"



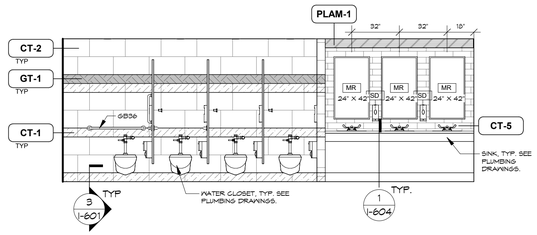
6 WOMEN'S LATRINE 230 NORTH AT SHOWERS
SCALE : 1/4" = 1'-0"



7 WOMEN'S LATRINE 230 EAST
SCALE : 1/4" = 1'-0"



8 WOMEN'S LATRINE 230 SOUTH AT SHOWERS
SCALE : 1/4" = 1'-0"



9 WOMEN'S LATRINE 230 WEST
SCALE : 1/4" = 1'-0"

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PROJECT NUMBER: **47477-C**

DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
RESTROOM PLANS & ELEVATIONS

DRAWING NUMBER:
A-402

SHEET 66 OF 198

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN	FIXTURE/FAUCET/FLUSH VALVE	FINISH
DF-1	DRINKING FOUNTAIN	ELKAY LZSTL8WSLK BI-LEVEL W/BOTTLE FILLER	--	--
JS-1	JANITOR'S SINK	ZURN Z5050-D3	ZURN Z843M1-5H	CHROME
LAV-1	LAVATORY	ZURN Z5220-PC	ZURN AQUASPEC Z81104-XL-28M-G	CHROME
SH-1	SHOWER 36x36	KOHLER ARCHER K-9396	KOHLER CASTIA K-T535916-4G	CHROME
SH-1A	ROLL-IN ADA SHOWER 36x62	OASIS SB-MD-6236 ROLL-IN SHOWER	KOHLER AWAKEN K-26914-G-CP	CHROME
SK-1	SINK W/FAUCET	ELKAY ECTSR25224TBG	ELKAY LK535AT08L2	CHROME
UR-1/UR-1A	URINAL (STANDARD & ADA)	ZURN Z5730	ZURN Z6003AV-EWS	CHROME
WC-1/WC-1A	WATER CLOSET (STANDARD & ADA)	ZURN Z5615-BWL	ZURN Z6000AV-HET	CHROME

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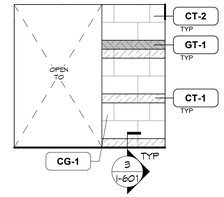
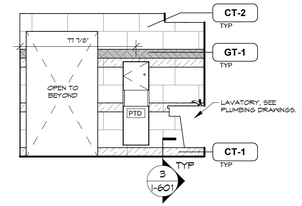
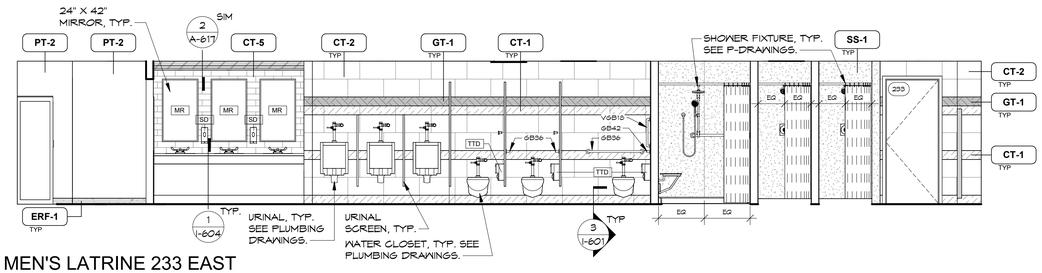
HSD	HAND SANITIZER DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
MR	MIRROR	BOBRICK B-290 24" x 42" WELDED FRAME	SATIN STAINLESS STEEL
PTD	PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE	BOBRICK B-43944 RECESSED DISPENSER & WASTE RECEPTACLE	SATIN STAINLESS STEEL
RH	TOWEL & GARMENT HOOK	BOBRICK B-76127 SURFACE MOUNTED DOUBLE ROBE HOOK	SATIN STAINLESS STEEL
SCD	SEAT COVER DISPENSER	BOBRICK B-4221 SURFACE MOUNTED SEAT COVER DISPENSER	SATIN STAINLESS STEEL
SD	SOAP DISPENSER	BOBRICK B-2012 SURFACE MOUNTED AUTOMATIC DISPENSER	STAINLESS STEEL
SNDU	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK B-270 1-GALLON DISPOSAL UNIT	SATIN STAINLESS STEEL
SR	SHOWER ROD (CURTAIN BY TENANT)	BOBRICK SHOWER CURTAIN ROD W/ CONCEALED MOUNTING	SATIN STAINLESS STEEL
TTD	TOILET TISSUE DISPENSER	BOBRICK B-4288 SURFACE MOUNTED W/ TWO ROLL CAPACITY	SATIN STAINLESS STEEL
VGB18	VERTICAL GRAB BAR, 18"L	BOBRICK B-6806.99x 18 STRAIGHT GRAB BAR, PEENED	SATIN STAINLESS STEEL
UTSH	JANITORIAL UTILITY SHELF & MOP HOLDERS	BOBRICK B-239 x 34 SURFACE MOUNTED UTILITY SHELF	SATIN STAINLESS STEEL



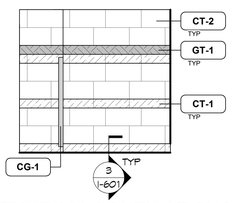
1 MEN'S LATRINE 233 NORTH AT SHOWERS
SCALE : 1/4" = 1'-0"



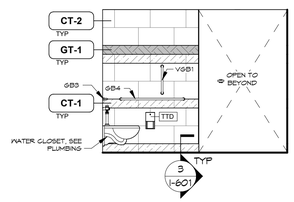
2 MEN'S LATRINE 233 NORTH
SCALE : 1/4" = 1'-0"



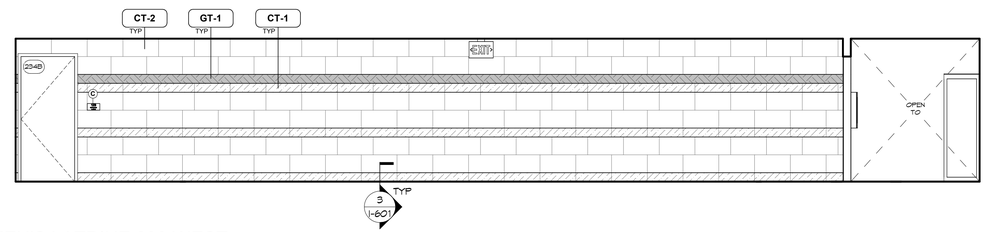
3 MEN'S LATRINE 233 EAST
SCALE : 1/4" = 1'-0"



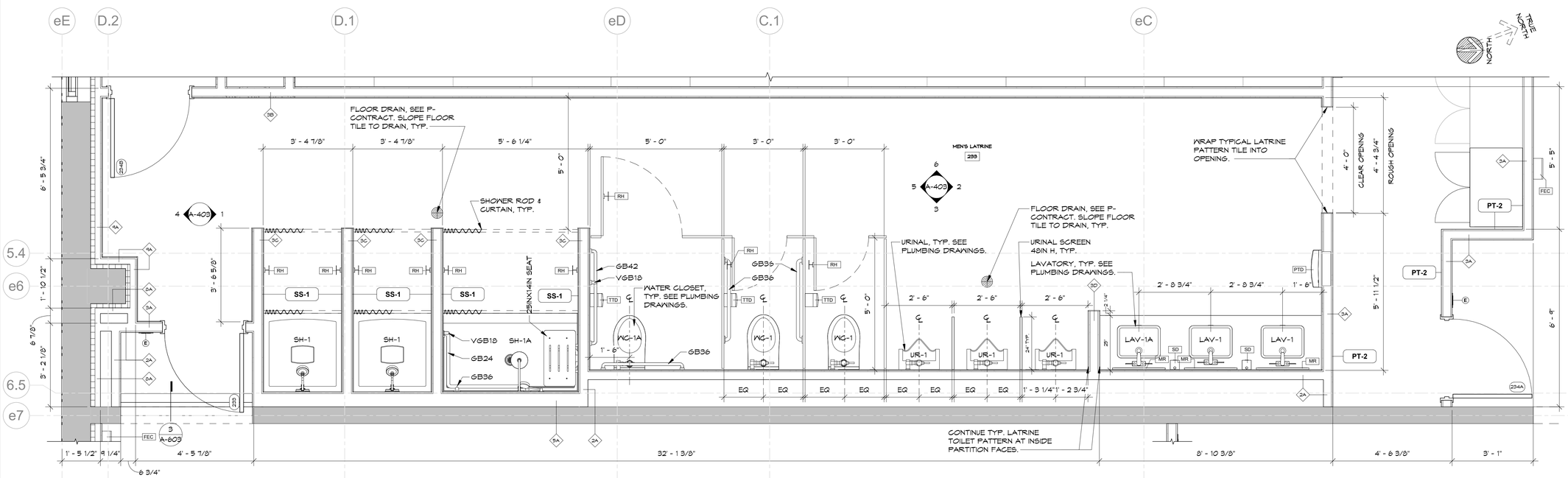
4 MEN'S LATRINE 233 SOUTH AT SHOWERS
SCALE : 1/4" = 1'-0"



5 MEN'S LATRINE SOUTH
SCALE : 1/4" = 1'-0"



6 MEN'S LATRINE 233 WEST
SCALE : 1/4" = 1'-0"



7 ENLARGED PLAN - MEN'S LATRINE 233
SCALE : 1/2" = 1'-0"

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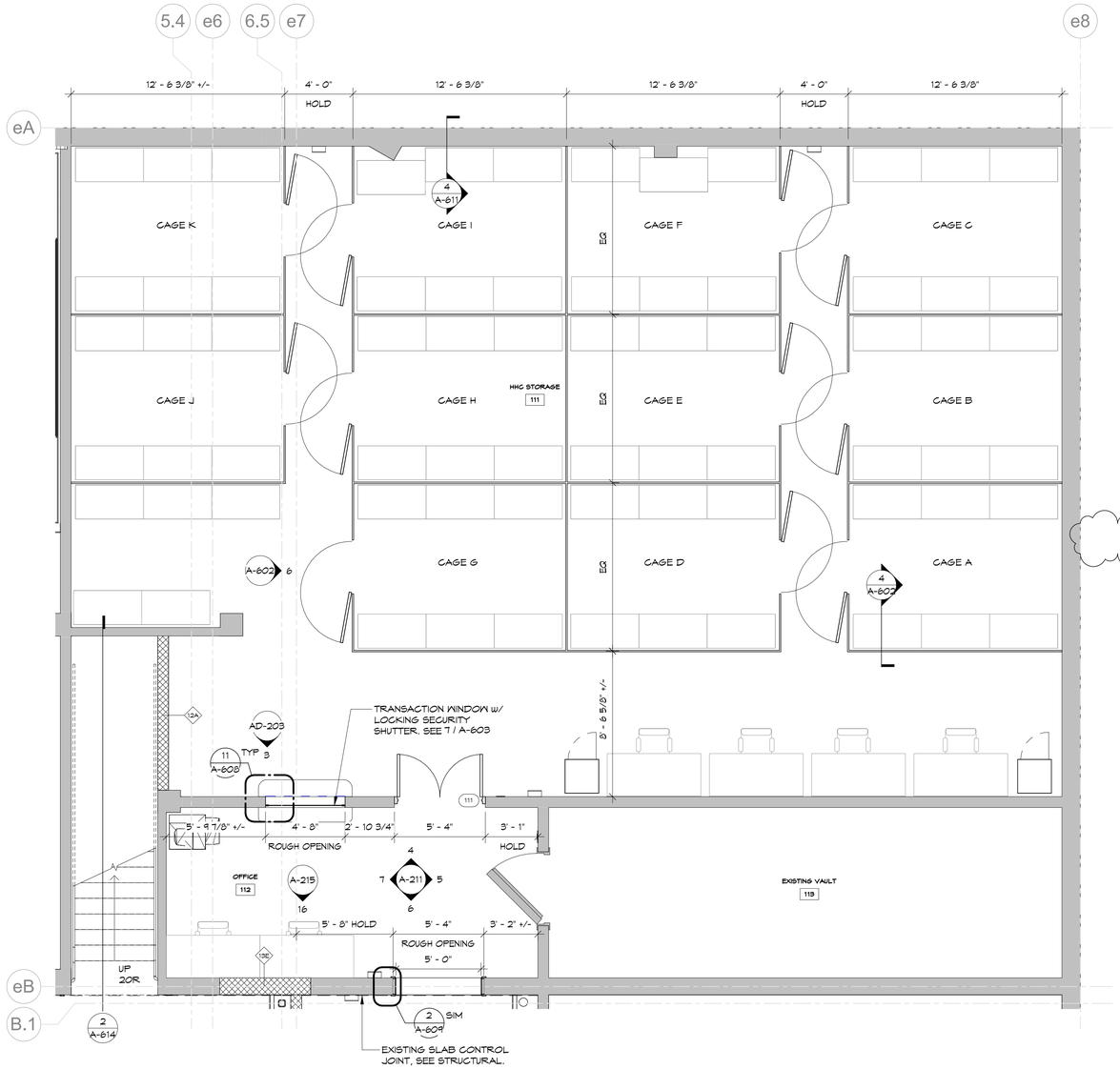
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
RESTROOM PLANS & ELEVATIONS

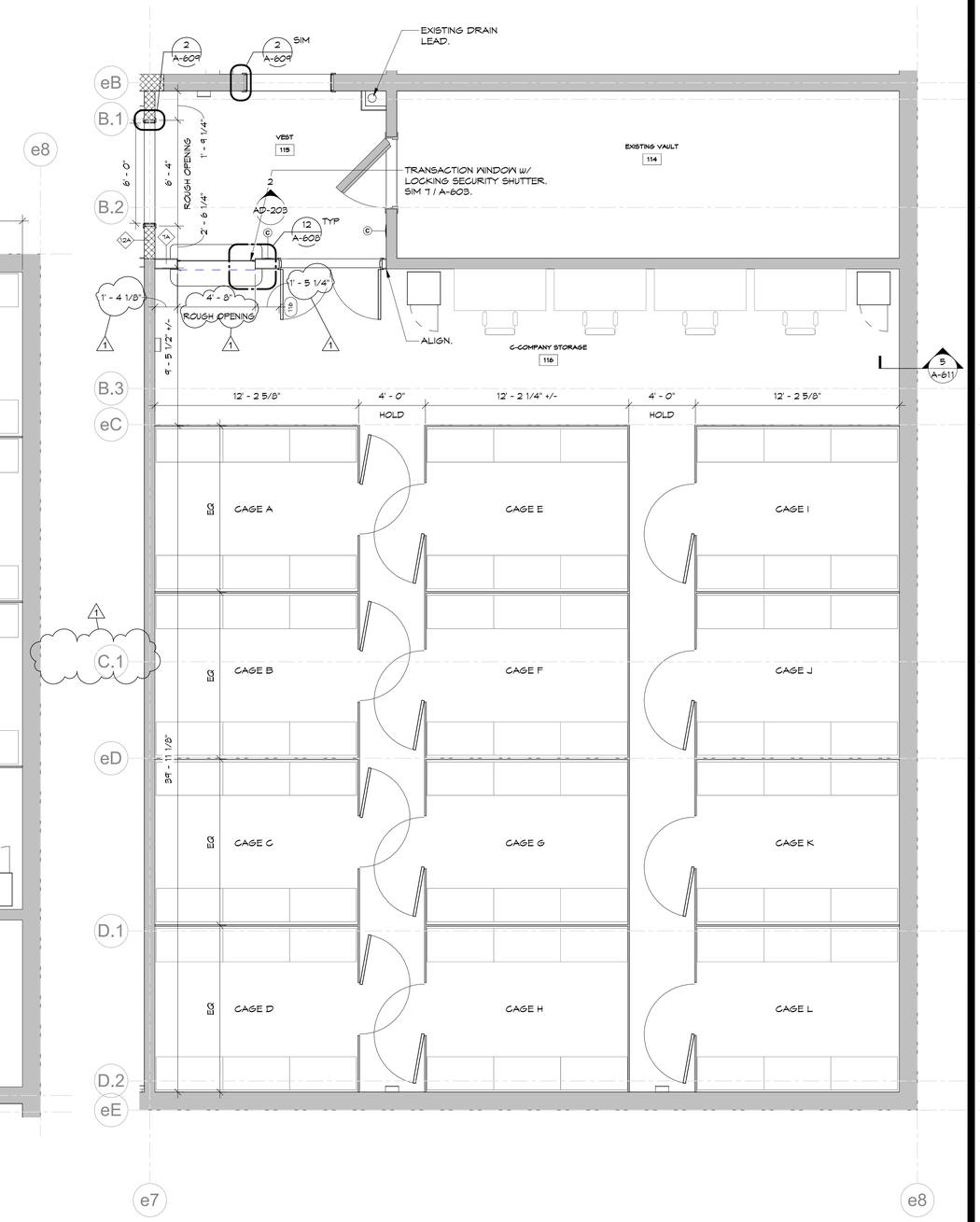
DRAWING NUMBER:
A-403

SHEET 67 OF 198



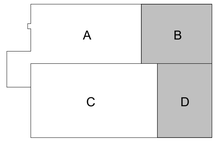
1 ENLARGED PLAN - LOWER LEVEL AREA B

SCALE : 1/4" = 1'-0"



2 ENLARGED PLAN - LOWER LEVEL - AREA D

SCALE : 1/4" = 1'-0"



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PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

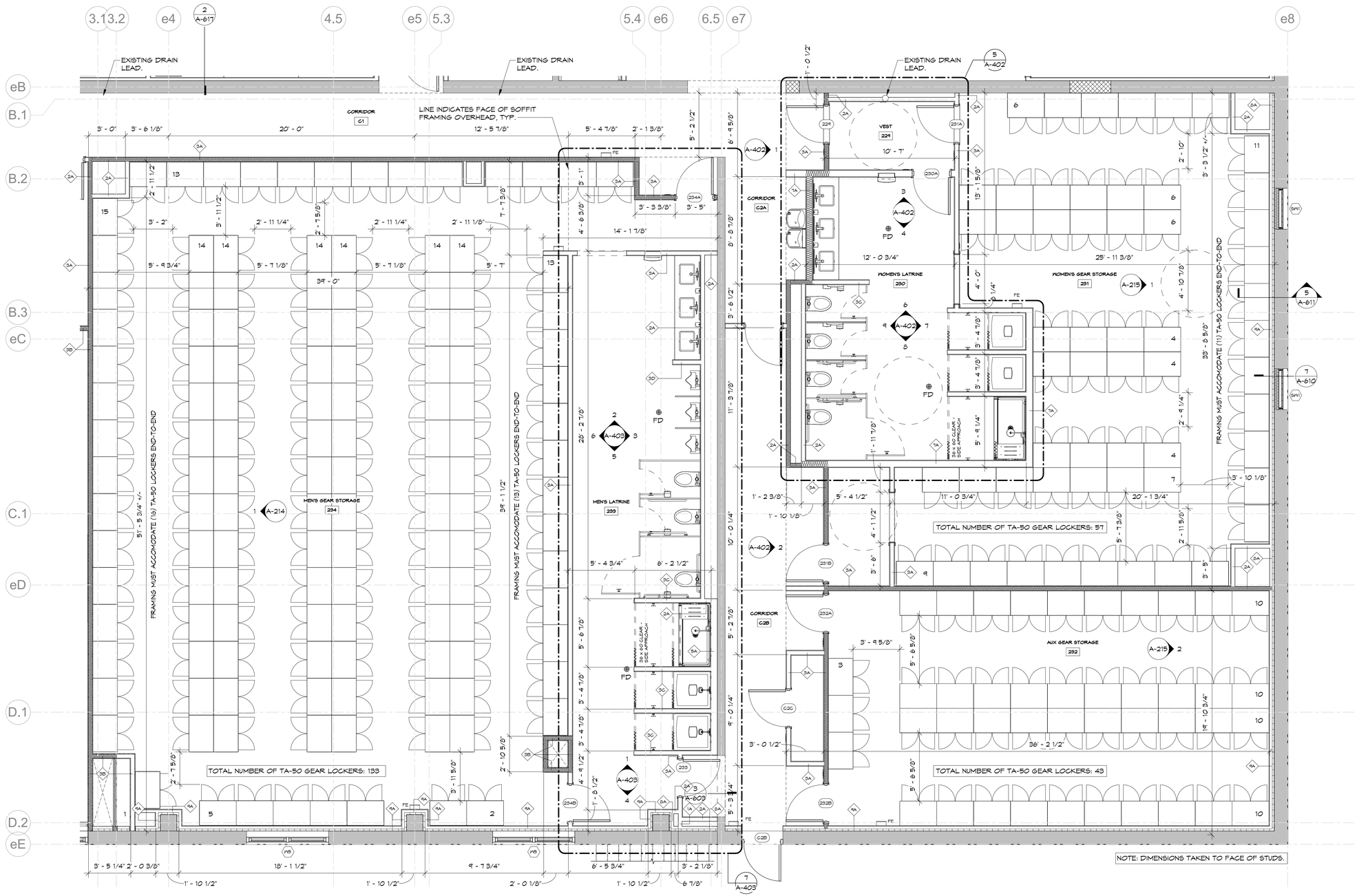
SHEET TITLE:

ENLARGED PLANS LOWER LEVEL AREAS B & D

DRAWING NUMBER:

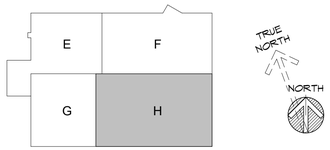
A-404

SHEET 68 OF 198



1 ENLARGED PLAN - UPPER LEVEL - AREA H

SCALE : 1/4" = 1'-0"



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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

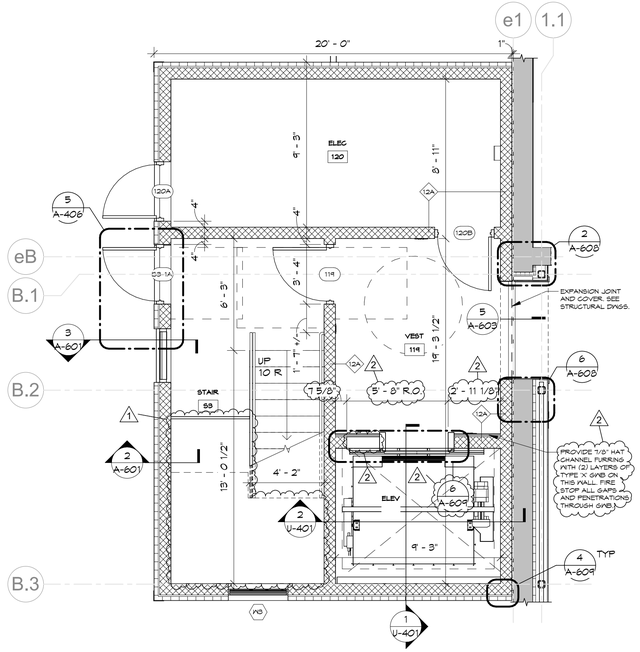
SHEET TITLE:

ENLARGED PLAN UPPER LEVEL AREA H

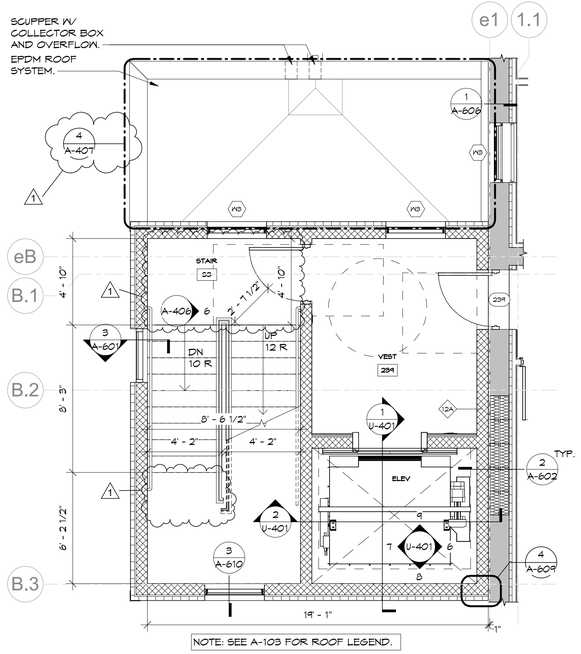
DRAWING NUMBER:

A-405

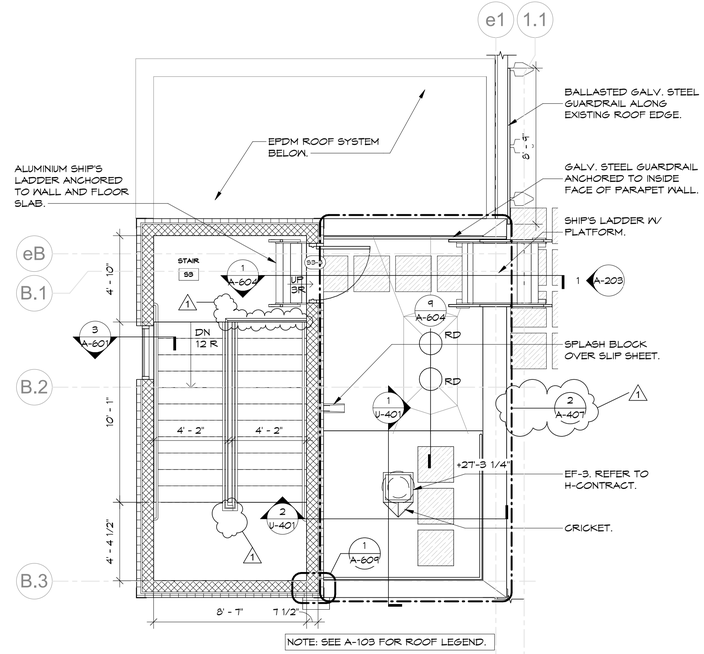
SHEET 69 OF 198



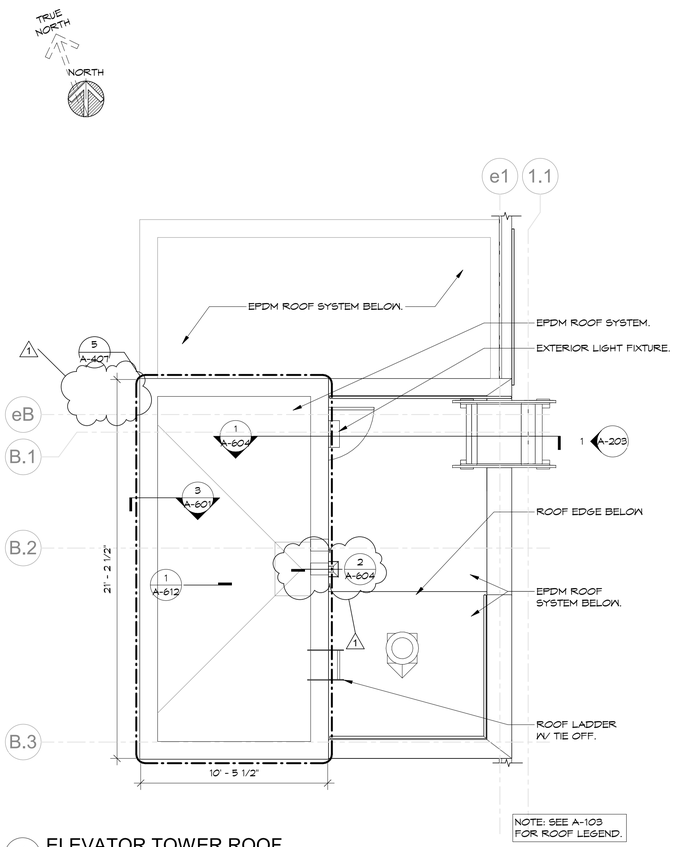
1 LOWER LEVEL ELEVATOR TOWER
SCALE : 1/4" = 1'-0"



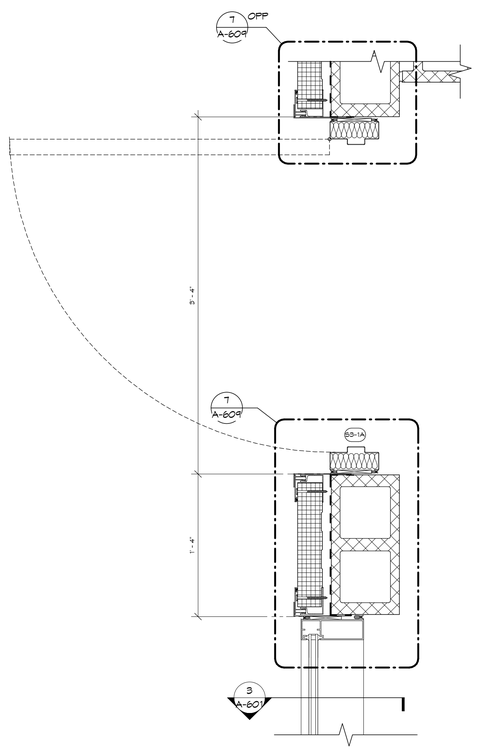
2 UPPER LEVEL ELEVATOR TOWER
SCALE : 1/4" = 1'-0"



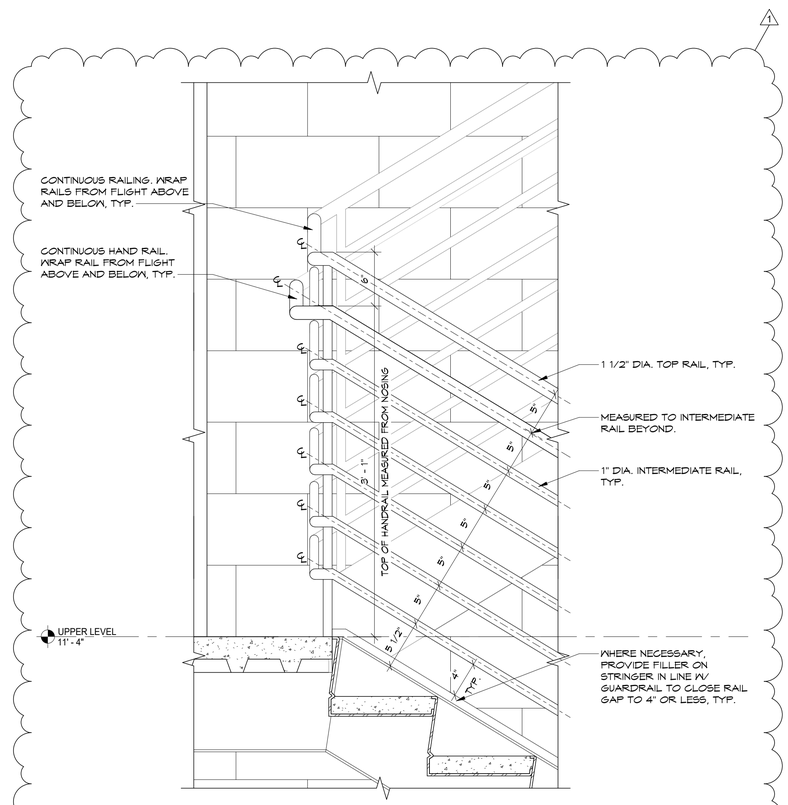
3 ROOF LEVEL ELEVATOR TOWER
SCALE : 1/4" = 1'-0"



4 ELEVATOR TOWER ROOF
SCALE : 1/4" = 1'-0"



5 ADDITION ENTRY CURTAIN WALL
SCALE : 1 1/2" = 1'-0"



6 STAIR RAILING DETAIL
SCALE : 1-1/2" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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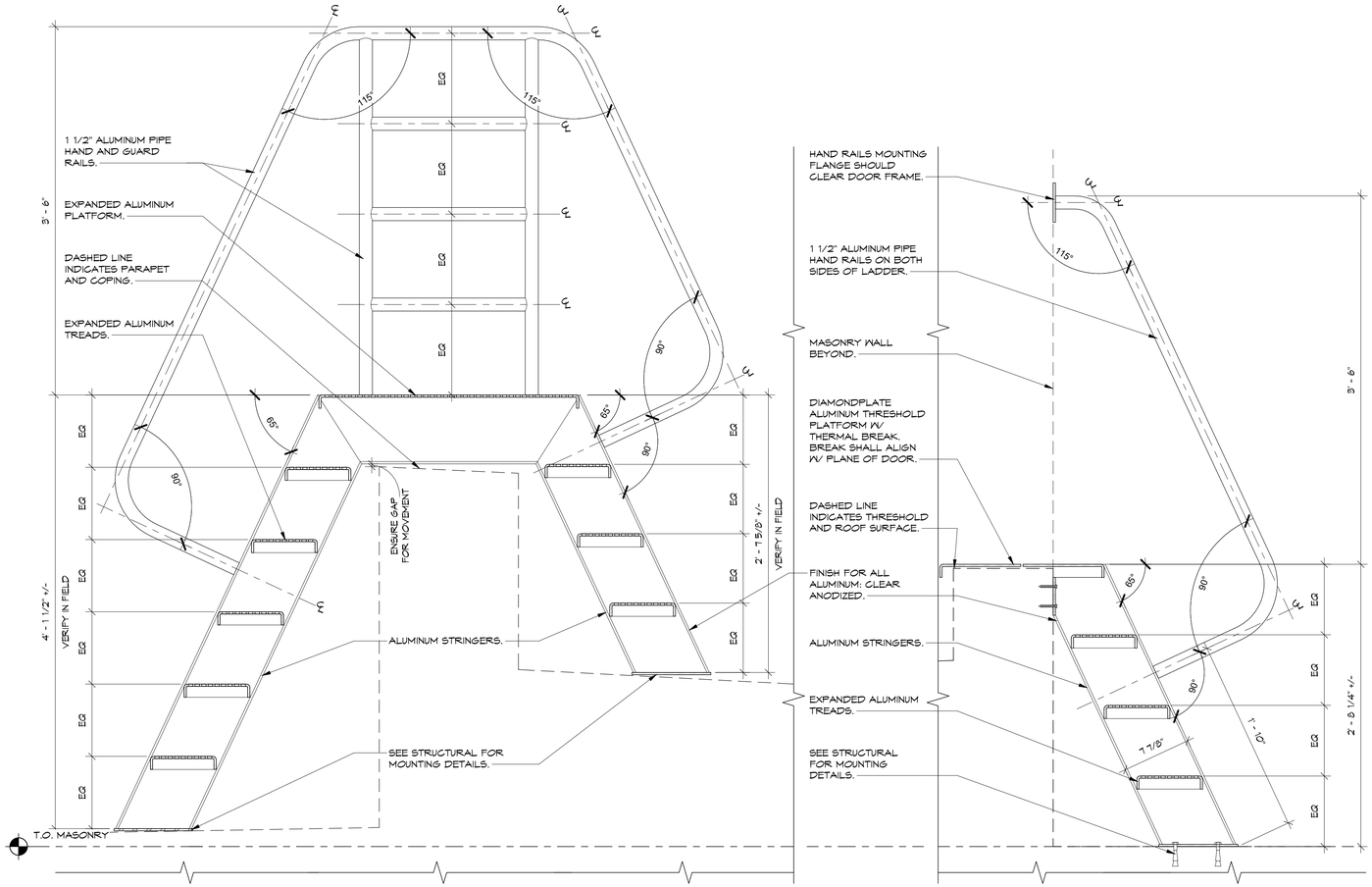
PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

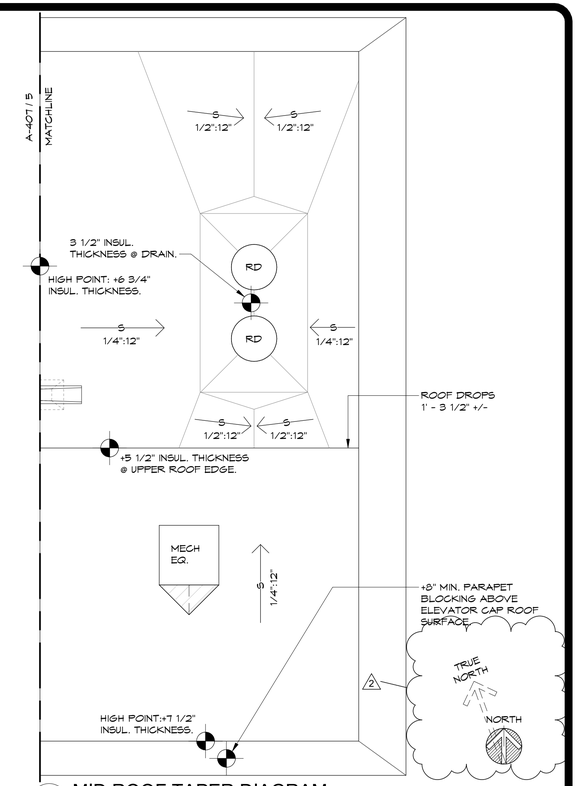
SHEET TITLE:
ADDITION PLANS AND DETAILS

DRAWING NUMBER:
A-406

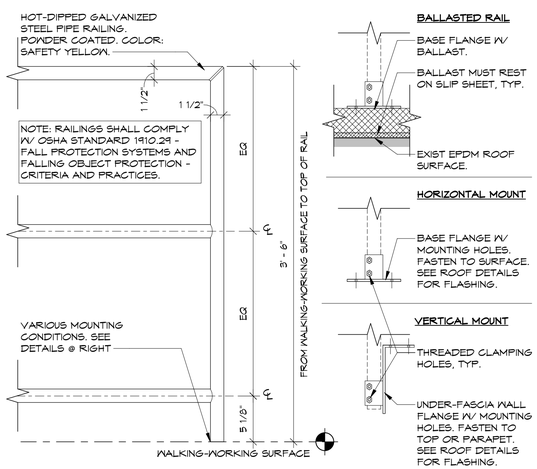
SHEET 70 OF 198



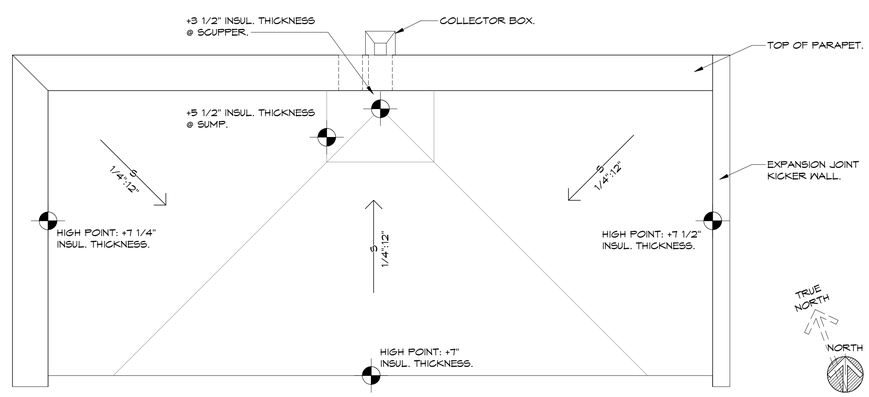
1 SHIP'S LADDER DETAIL
SCALE : 1 1/2" = 1'-0"



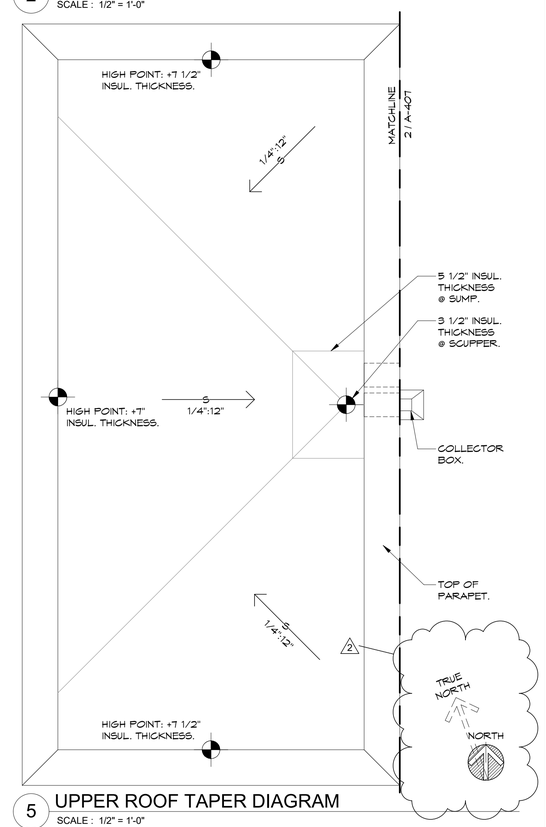
2 MID ROOF TAPER DIAGRAM
SCALE : 1/2" = 1'-0"



3 TYPICAL ROOF RAILING
SCALE : 1 1/2" = 1'-0"



4 LOWER ROOF TAPER DIAGRAM
SCALE : 1/2" = 1'-0"



5 UPPER ROOF TAPER DIAGRAM
SCALE : 1/2" = 1'-0"

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	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-C
DESIGNED BY: GBT/JLP
DRAWN BY: GBT
FIELD CHECK: JLP
APPROVED: DKA

SHEET TITLE:
ROOF TAPER LAYOUT

DRAWING NUMBER:
A-407

CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)

1 ENLARGED CEILING PLAN - LOWER LEVEL - AREA A

SCALE : 1/4" = 1'-0"

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STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

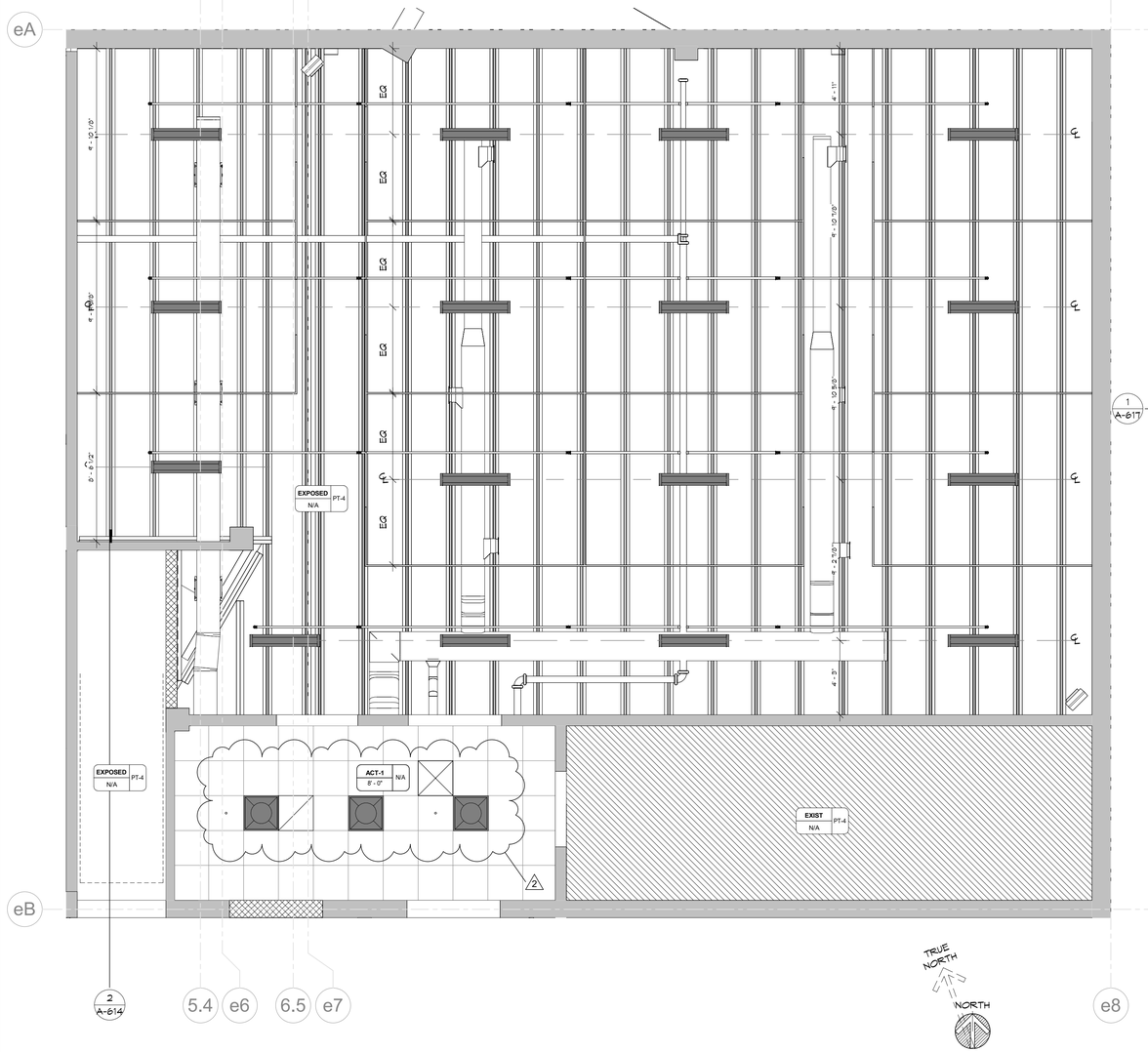
ENLARGED CEILING PLAN LOWER LEVEL AREA A

DRAWING NUMBER:

A-410

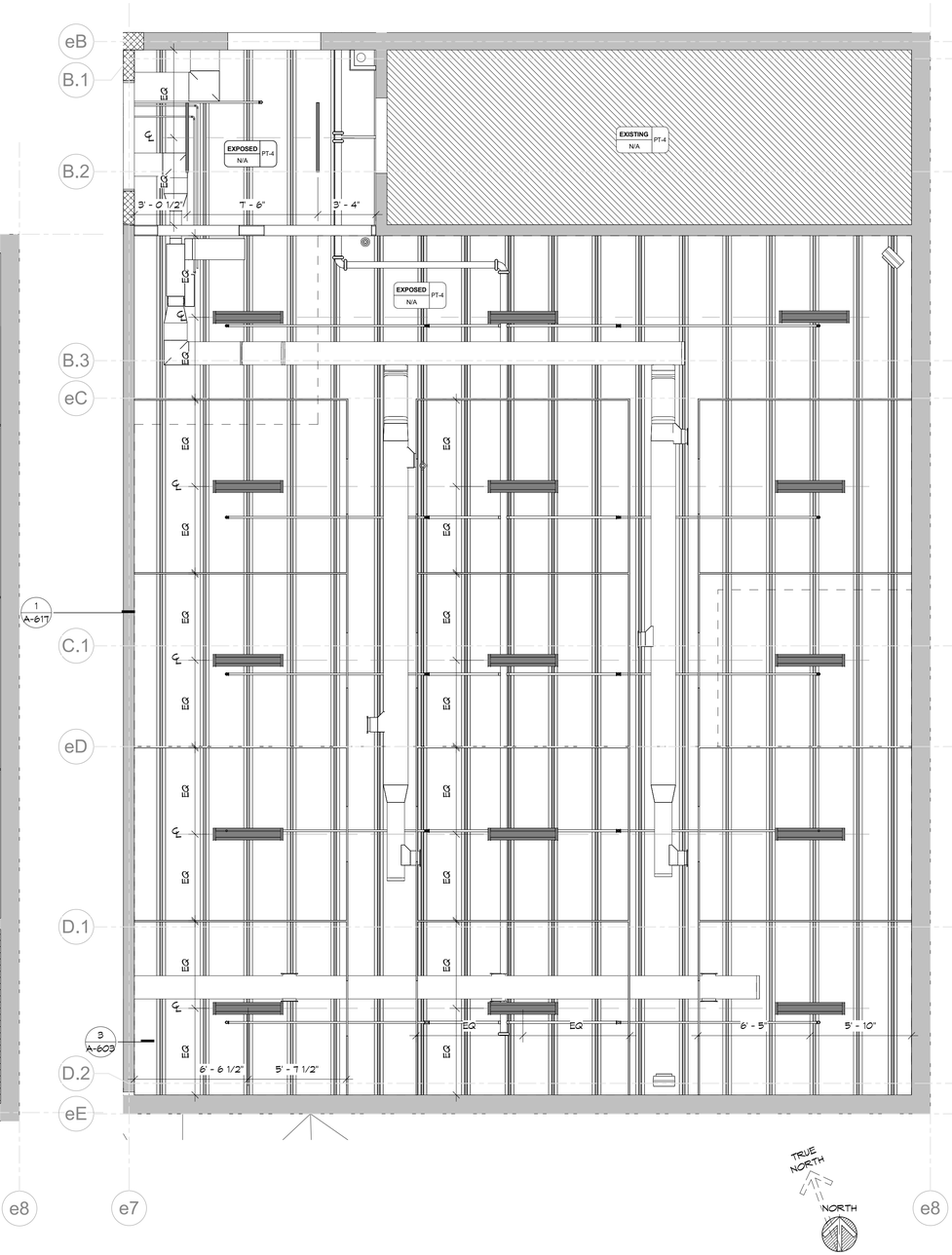
SHEET 72 OF 198

CEILING TYPE SCHEDULE	
TYPE	**DESCRIPTION**
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)



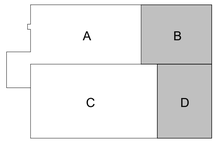
1 ENLARGED CEILING PLAN - LOWER LEVEL - AREA B

SCALE : 1/4" = 1'-0"



2 ENLARGED CEILING PLAN - LOWER LEVEL - AREA D

SCALE : 1/4" = 1'-0"



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REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER:	**47477-C**
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

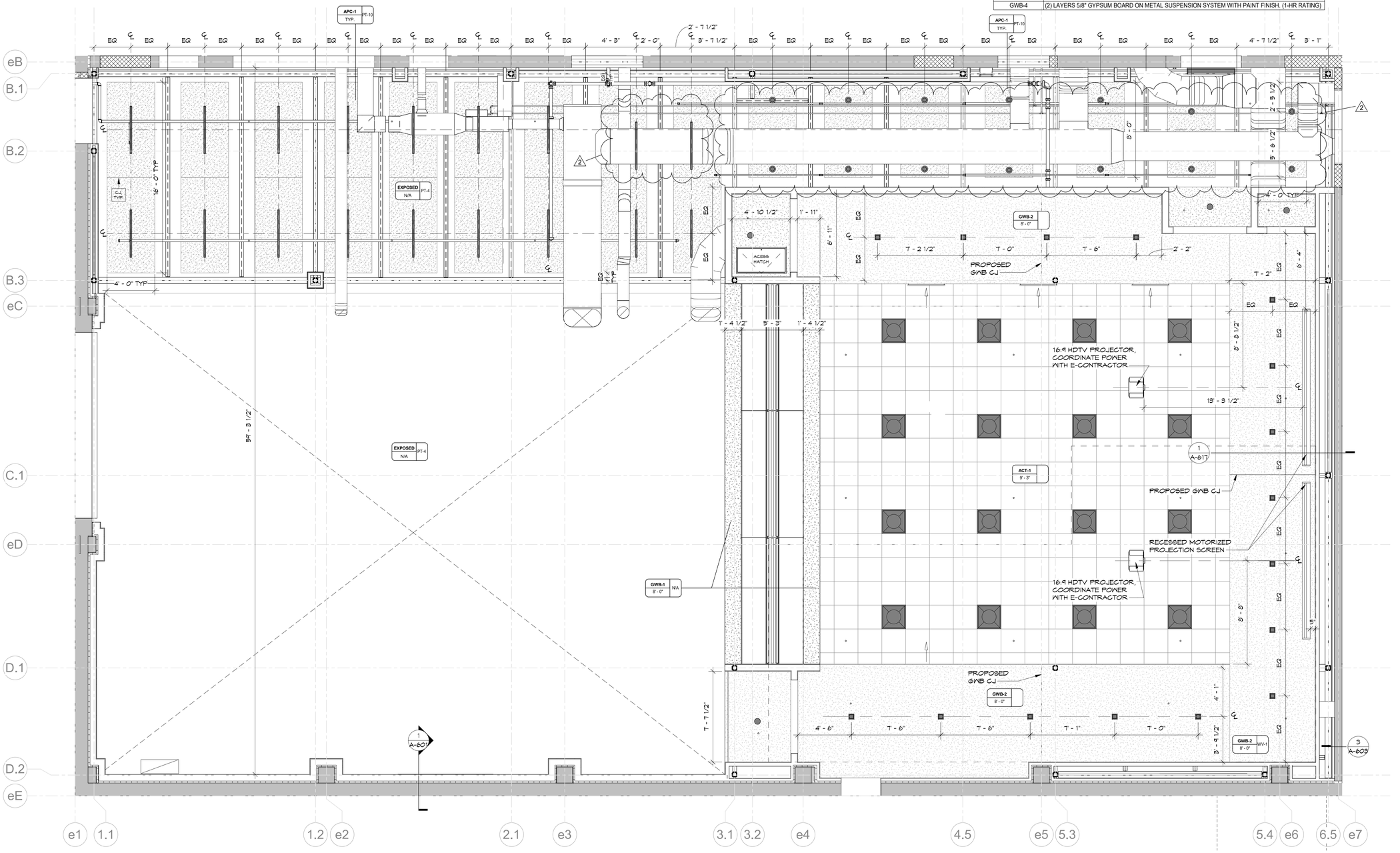
ENLARGED CEILING PLAN LOWER LEVEL AREAS B & D

DRAWING NUMBER:

A-411

SHEET 73 OF 198

CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)



1 ENLARGED CEILING PLAN - LOWER LEVEL - AREA C

SCALE : 1/4" = 1'-0"

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PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

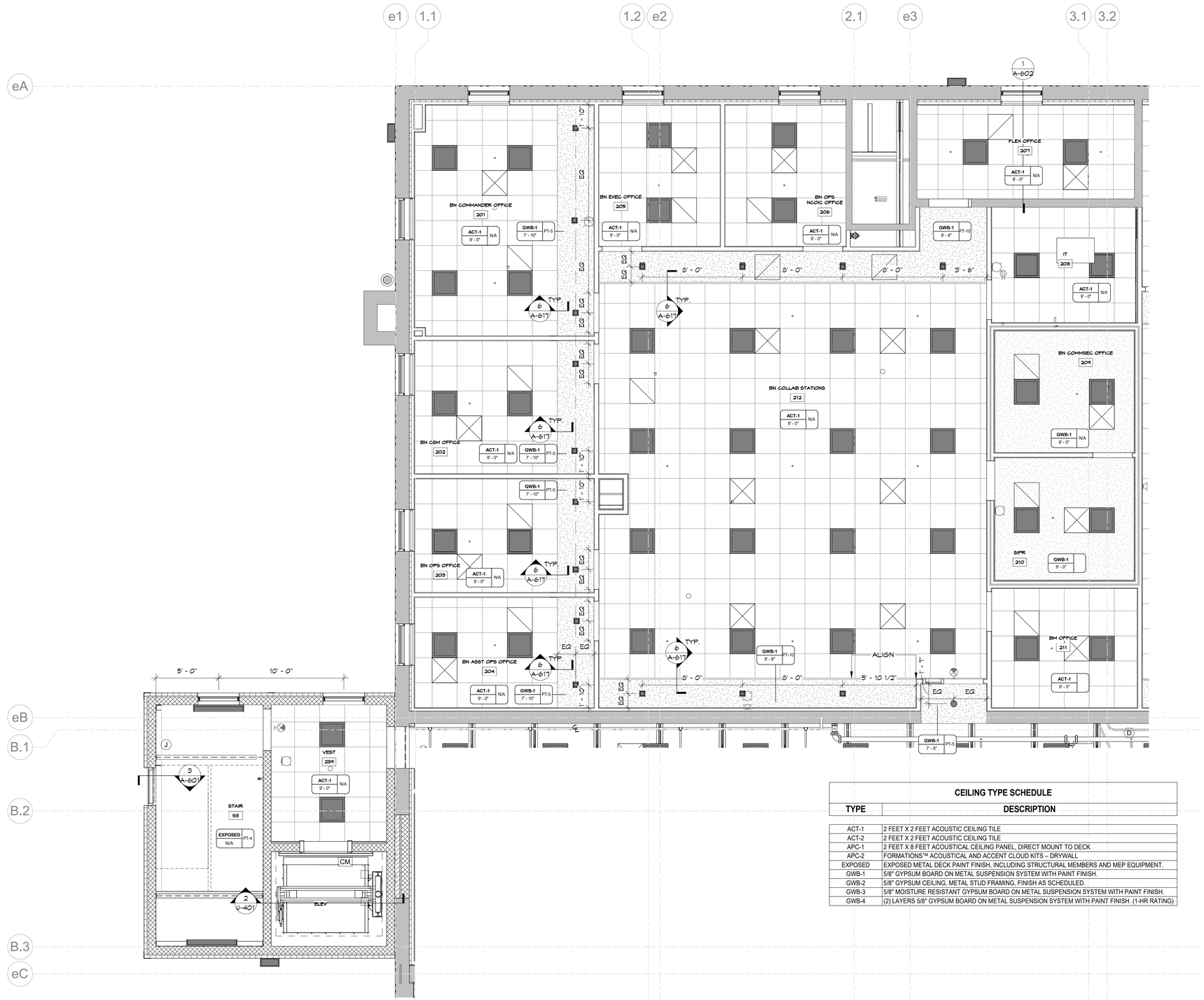
SHEET TITLE:

ENLARGED CEILING PLAN LOWER LEVEL AREA C

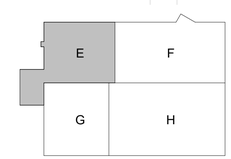
DRAWING NUMBER:

A-412

SHEET 74 OF 198



CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)



1 ENLARGED CEILING PLAN - UPPER LEVEL - AREA E

SCALE : 1/4" = 1'-0"

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REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**

DESIGNED BY: LS

DRAWN BY: LS/GBT

FIELD CHECK: JLP

APPROVED: DKA

SHEET TITLE:

ENLARGED CEILING PLAN UPPER LEVEL AREA E

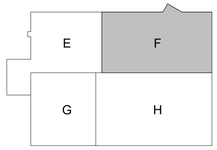
DRAWING NUMBER:

A-413

CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)

1 ENLARGED CEILING PLAN - UPPER LEVEL - AREA F

SCALE : 1/4" = 1'-0"



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DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

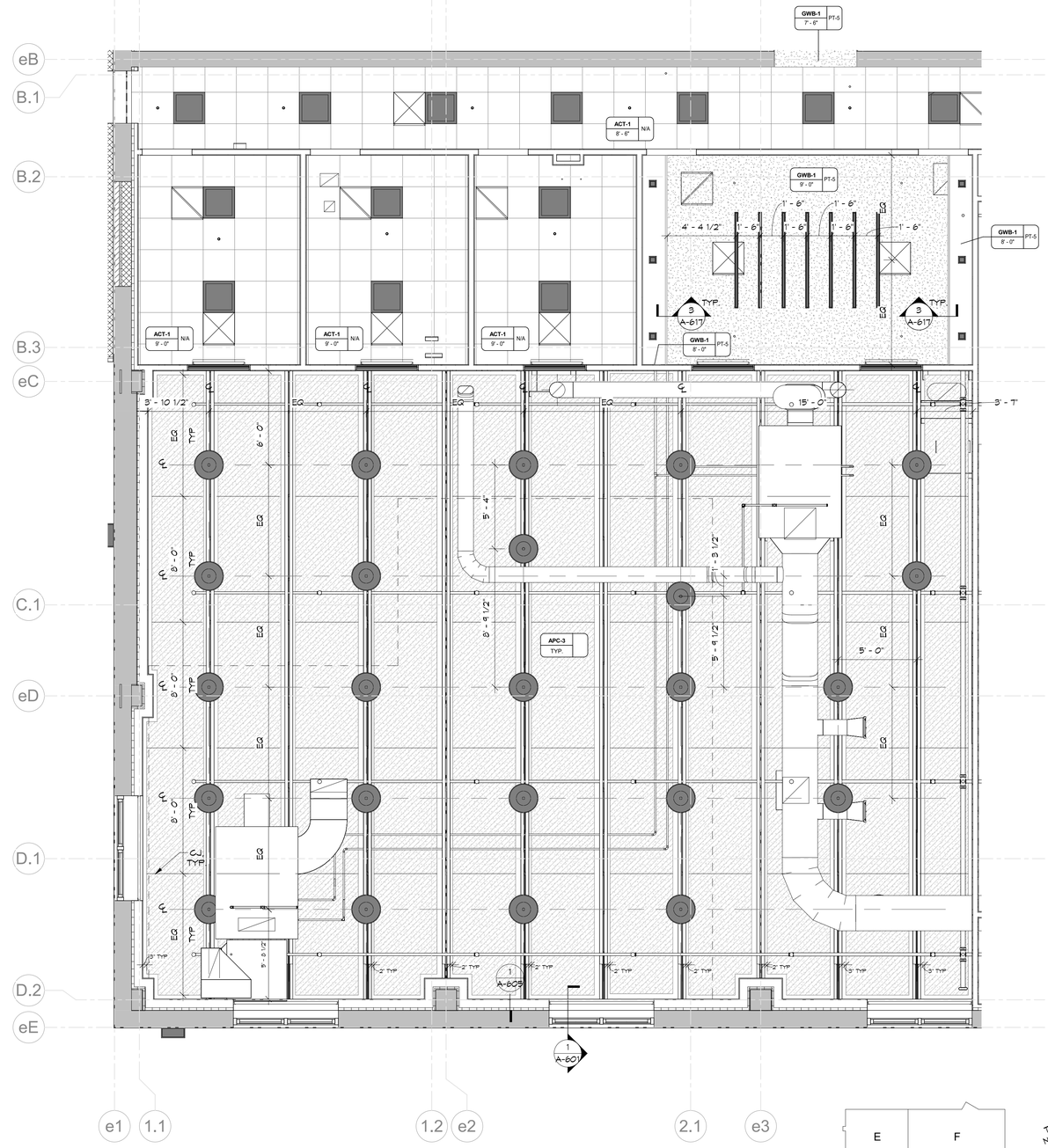
ENLARGED CEILING PLAN UPPER LEVEL AREA F

DRAWING NUMBER:

A-414

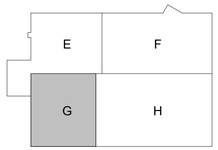
SHEET 76 OF 198

CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-4	(2) LAYERS 5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH. (1-HR RATING)



1 ENLARGED CEILING PLAN - UPPER LEVEL - AREA G

SCALE : 1/4" = 1'-0"



NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

WARNING:

THE ALTERATION OF THIS MATERIAL ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR

REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

ENLARGED CEILING PLAN UPPER LEVEL AREA G

DRAWING NUMBER:

A-415

SHEET 77 OF 198

CEILING TYPE SCHEDULE	
TYPE	DESCRIPTION
ACT-1	2 FEET X 2 FEET ACOUSTIC CEILING TILE
ACT-2	2 FEET X 2 FEET ACOUSTIC CEILING TILE
APC-1	2 FEET X 8 FEET ACOUSTICAL CEILING PANEL, DIRECT MOUNT TO DECK
APC-2	FORMATIONS™ ACOUSTICAL AND ACCENT CLOUD KITS – DRYWALL
EXPOSED	EXPOSED METAL DECK PAINT FINISH, INCLUDING STRUCTURAL MEMBERS AND MEP EQUIPMENT.
GWB-1	5/8" GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
GWB-2	5/8" GYPSUM CEILING, METAL STUD FRAMING, FINISH AS SCHEDULED.
GWB-3	5/8" MOISTURE RESISTANT GYPSUM BOARD ON METAL SUSPENSION SYSTEM WITH PAINT FINISH.
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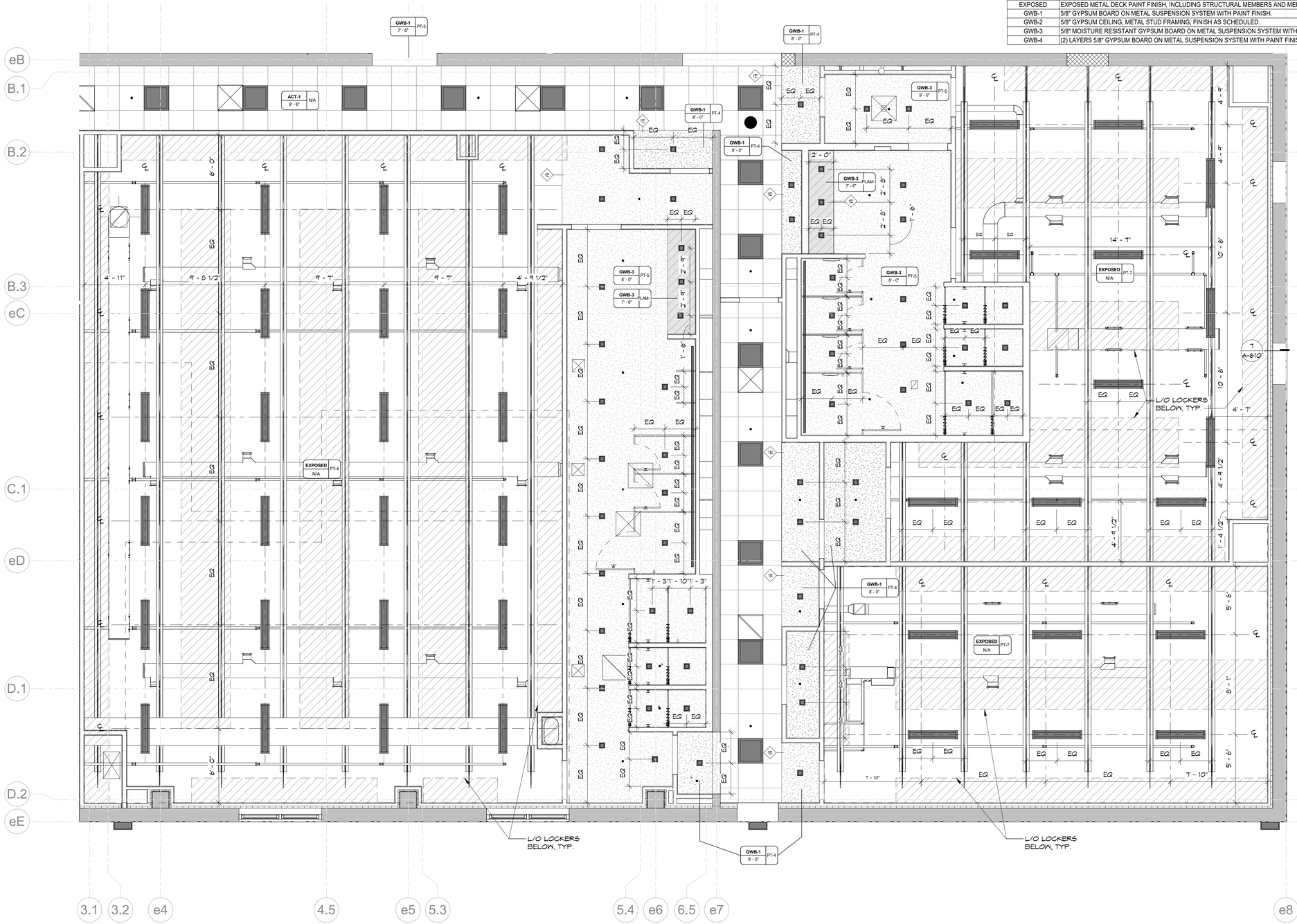
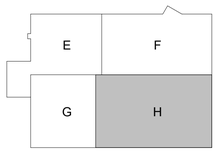


1 ENLARGED CEILING PLAN - UPPER LEVEL - AREA H

SCALE : 1/4" = 1'-0"



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MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS/GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

ENLARGED CEILING PLAN UPPER LEVEL AREA H

DRAWING NUMBER:

A-416

DOOR HARDWARE SCHEDULE:

DESCRIPTION	MODEL	FINISH	MFR	QTY
SET 1.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	32D	MCKINNEY	3
FLUSH BOLT, EXTENSION, MANUAL	555	US26D	ROCKWOOD	1
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DOOR SEAL	700ES (60" W X 84" H)	MILL	NS	1
MEETING STILE	600A (5671) (60" W X 84" H)	A	NS	1
SWEEP	200NA (50" W)	A	NS	1
THRESHOLD	61295 X 5IA (60" W)	55	NS	1
SET 2.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
FLUSH BOLT, EXTENSION, MANUAL	555	US26D	ROCKWOOD	1
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34"W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 2.00A				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
FLUSH BOLT, EXTENSION, MANUAL	555	US26D	ROCKWOOD	1
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-P10	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34"W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
ASTRAGAL	5771BLT (84" H)	BL	PEMKO	1
GASKETING	5880D21 (172" W X 84" H)	D	PEMKO	1
SET 3.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	32D	MCKINNEY	3
PUSH PAD, SVR	63-D-D1-3713T 36" W X 84" H X ETL X 624 X 848 X 41" AFF X MK	US32D	SARGENT	1
PUSH PAD, SVR	8710T 36" W X 84" H X NO TRIM X 624 X 848 X 41" AFF	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DOOR SEAL	700ES (72" W X 84" H)	MILL	NS	1
MEETING STILE	600A (5671) (72" W X 84" H)	A	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (72" W)	55	NS	1
SET 4.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	32D	MCKINNEY	3
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DOOR SEAL	700ES (36" W X 84" H)	MILL	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (36" W)	55	NS	1
SET 5.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
ELECTRIC STRIKE/MAG LOCKS	1006CLB-12/24D-630 X 2005M3	630	HES	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US32D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 6.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PLATE	70C-RKN	US32D	ROCKWOOD	1
PULL PLATE	122 X 70C	US32D	ROCKWOOD	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-UO	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US32D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 7.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US26D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 8.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
FLUSH BOLT, EXTENSION, MANUAL	555	US26D	ROCKWOOD	1
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
ELECTRIC STRIKE/MAG LOCKS	1006CLB-12/24D-630 X 2005M3	630	HES	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-UO	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
ELECTRIC POWER TRANSFER	EL-CEPT	US32D	SECURITRON	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 9.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, SVR	63-D-D1-N8013T 36" W X 84" H X ETL X 648 X 41" AFF X MK	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-UO	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US32D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 10.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3186 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, SVR	63-D-D1-N8013T 36" W X 84" H X ETL X 648 X 41" AFF X MK (36"W X 84"H)	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-P10	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34" W)	US32D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 11.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	32D	MCKINNEY	3
PUSH PAD, RIM	8810T 36" X NO TRIM X 648 (36" W)	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34"W)	US32D	ROCKWOOD	1
DOOR SEAL	700ES (36"W X 84"H)	MILL	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (36" W)	55	NS	1
SET 12.00				
HINGE - 4 1/2" STD WEIGHT (.134) HINGE	T4A114 4 1/2" X 4 1/2"	26D	MCKINNEY	3
FLUSH BOLT, EXTENSION, MANUAL	555	US26D	ROCKWOOD	1
MORTISE PASSAGE	8215 X LNYL	US26D	SARGENT	1
SURFACE, OVHD HOLDER/STOP STD DUTY	15486 (36" W)	US26D	SARGENT	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 13.00				
HINGE - 4 1/2" STD WEIGHT (.134) HINGE	T4A114 4 1/2" X 4 1/2"	26D	MCKINNEY	3
MORTISE PASSAGE	8215 X LNYL	US26D	SARGENT	1
WALL STOP	400	US26D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 15.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, RIM	8810T 36" X 84" H X ETL X 648 (36" W)	US32D	SARGENT	1
CLOSER	281-UO	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34"W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
GASKETING	5880D21 (36"W X 84"H)	D	PEMKO	1
SET 16.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	32D	MCKINNEY	3
PUSH PAD, RIM	56-63-D51-8004T 36"W X PSB X 648 X MK (36" W)	US32D	SARGENT	1
CLOSER - AUTOMATIC OPERATOR	6031	689	NORTON	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
DOOR SEAL	700ES (36"W X 84"H)	MILL	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (36" W)	55	NS	1
ACTUATOR	505	--	NORTON	1
ELECTRIC POWER TRANSFER	EL-CEPT	US32D	SECURITRON	1
POWER SUPPLY	AQD2-IR	--	SECURITRON	1

DESCRIPTION	MODEL	FINISH	MFR	QTY
SET 17.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3786 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, RIM	12-8815T 36"W X ETL X 648	US32D	SARGENT	1
ELECTRIC STRIKE/MAG LOCKS	1500-12/24D-630	630	HES	1
CLOSER - AUTOMATIC OPERATOR	6031	689	NORTON	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
ACTUATOR	505	--	NORTON	2
GASKETING	5880D21 (36"W X 84"H)	D	PEMKO	1
SET 18.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3786 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
MORTISE LOCKSET	63-D-D1-8205 X LNYL X MK	US26D	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US26D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 19.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3786 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, RIM	63-D-D1-N8004T 36"W X PSB X 648 X MK (36" W)	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
DOOR SEAL	700ES (36"W X 84"H)	MILL	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (36" W)	55	NS	1
SET 20.00				
CONTINUOUS HINGE	A110HDG083 (83"H)	C	ABH	1
PUSH/PULL SET	BF15641 X TYPE T3HD X 33"W-CTC	US32D	ROCKWOOD	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DROP PLATE	281D	EN	SARGENT	1
BLADE STOP SPACER	581-2	EN	SARGENT	1
SET 21.00				
CONTINUOUS HINGE	A110HDG083 (83"H)	C	ABH	1
CONTINUOUS HINGE	A110HDG083 X PT (83"H)	C	ABH	1
PUSH PAD, CVR MD	56-63-D61-AD8410T 36" W X 84" H X 108 X 862 X 41" AFF X MK (36"W X 84"H)	US32D	SARGENT	1
PUSH PAD, CVR MD	AD8410T 36" W X 84" H X 862 X 41" AFF	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DROP PLATE	281D	EN	SARGENT	1
SWEEP	200NA	A	NS	1
THRESHOLD	61295 X 5IA (72" W)	55	NS	1
BLADE STOP SPACER	581-2	EN	SARGENT	1
ELECTRIC POWER TRANSFER	EL-CEPT	US32D	SECURITRON	1
POWER SUPPLY	AQD2-IR	--	SECURITRON	1
SET 22.00				
CONTINUOUS HINGE	A110HDG083 (83"H)	C	ABH	1
PUSH PAD, CVR MD	AD8410T 36" W X 84" H X 862 X 41" AFF	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
DROP PLATE	281D	EN	SARGENT	1
SWEEP	200NA	A	NS	1
THRESHOLD	61295 X 5IA (72" W)	55	NS	1
BLADE STOP SPACER	581-2	EN	SARGENT	1
SET 23.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3786 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
MORTISE LOCKSET	63-D-D1-8237 X LNYL X MK	US26D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-UO	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
WALL STOP	400	US26D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 24.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3786 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, RIM	63-D-D1-8813T 36"W X ETL X 648 X MK	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
SILENCER	608-RKN	GRAY	ROCKWOOD	3
SET 25.00				
HINGE - 4 1/2" HEAVY WEIGHT (.180) HINGE	T4A3386 4 1/2" X 4 1/2" NRP	26D	MCKINNEY	3
PUSH PAD, RIM	63-D-D1-8004T 36"W X PSB X 648 X MK	US32D	SARGENT	1
CLOSER - PARALLEL ARM W/ 5TH SCREW	281-CPS	EN	SARGENT	1
KICK PLATE	K1050 X 4BE X C5K X 10"H (34 "W)	US32D	ROCKWOOD	1
DOOR SEAL	700ES (36"W X 84"H)	MILL	NS	1
SWEEP	200NA (36" W)	A	NS	1
THRESHOLD	61295 X 5IA (36" W)	55	NS	1

DOOR SCHEDULE

MARK	FRAME R.O. HEIGHT	FRAME R.O. WIDTH	FRAME TYPE	FRAME MATERIAL	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR TYPE	THRESHOLD	DOOR UNDERCUT	LABEL	HARDWARE GROUP NO.	GENERAL REMARKS
LOWER LEVEL														
101A	7' - 4 1/2"	5' - 4 1/2"	A	INSUL. HM	5' - 0"	7' - 2"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	1.00	STEEL DOOR SLAB W/POLYETHELENE CORE
102A	7' - 4 1/2"	6' - 1"	A	HM	6' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	2.00	
102B	7' - 4 1/2"	6' - 1"	B	HM	6' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	B	2A.00	
102C	7' - 4 1/2"	4' - 4 1/2"	A	INSUL. HM	4' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	4.00	STEEL DOOR SLAB W/POLYETHELENE CORE
102D	7' - 4 1/2"	5' - 4 1/2"	A	INSUL. HM	5' - 0"	7' - 2"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	9.00	STEEL DOOR SLAB W/POLYETHELENE CORE
103A	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D	2/A-600	1/2"	--	7.00	
103B	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D	2/A-600	1/2"	--	7.00 1	
104	7' - 4 1/2"	4' - 4 1/2"	A	HM	4' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	5.00	
105	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
106	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
107	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	A		1/2"	--	7.00	
108	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
109	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
110	7' - 0 1/2"	3' - 0 1/2"	S2	HM	3' - 0"	7' - 0"	1 3/4"	HM	C		1/2"	--	5.00	STOREFRONT S2
111	7' - 6 1/2"	5' - 4 1/2"	A	HM	5' - 0"	7' - 2"	1 3/4"	HM	B		1/2"	--	8.00 1	
116	7' - 4 1/2"	5' - 4 1/2"	A	HM	6' - 0"	7' - 0"	1 3/4"	HM	B		1/2"	--	8.00	
117A	7' - 1"	3' - 1"	B	HM	6' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	10.00	
117B	7' - 1"	6' - 1"	B	HM	6' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	9.00	
117C	7' - 4 1/2"	3' - 4 1/2"	A	INSUL. HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	11.00	STEEL DOOR SLAB W/POLYETHELENE CORE
117D	7' - 1"	3' - 1"	B	HM	6' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	12.00	
117E	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	13.00	
118G	14' - 0"	15' - 9"	--	STEEL	15' - 1"	15' - 7"	--	INSUL. STEEL	--	--	--	--	--	COOKSON THERMIZER MAX OR EQUAL
119	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	B	23.00	
120A	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	4.00	STEEL DOOR SLAB W/POLYETHELENE CORE
120B	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	B	7.00	
C3	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	B	15.00	
S3-1A	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	16.00	STEEL DOOR SLAB W/POLYETHELENE CORE
S4	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	B	7.00	
UPPER LEVEL														
201	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00 1	
202	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
203	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
204	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
205	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
206	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
207	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
208	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	5.00	
209	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	5.00	
210	7' - 1"	3' - 1"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D	1/A-502	1/2"	--	5.00	MIN. 45 STC SOUND ATTENUATING
211	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
212	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	19.00	
213	7' - 1"	5' - 4"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00 1	
214	7' - 1"	5' - 4"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
215	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	19.00	
216	7' - 0 1/2"	3' - 0 1/2"	S1	HM	3' - 0"	7' - 0"	1 3/4"	HM	C		1/2"	--	19.00	STOREFRONT S1
217	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00 1	
218	7' - 4 1/2"	3' - 4 1/2"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	7.00	
219A	7' - 9 1/2"	6' - 0"	D	ALUM.	6' - 0"	7' - 4"	1 3/4"	ALUM.	C	2/A-502	1/2"	--	20.00	ALUMINUM ENTRANCE ASSEMBLY
219B	7' - 9 1/2"	6' - 0"	D	ALUM.	6' - 0"	7' - 4" 1	1 3/4"	ALUM.	C	2/A-502	1/2"	--	20.00	ALUMINUM ENTRANCE ASSEMBLY
220A	7' - 9 1/2"	6' - 0"	D	ALUM.	6' - 0"	7' - 4"	1 3/4"	ALUM.	C	2/A-502	1/2"	--	21.00	ALUMINUM ENTRANCE ASSEMBLY
220B	7' - 9 1/2"	6' - 0"	D	ALUM.	6' - 0"	7' - 4"	1 3/4"	ALUM.	C	2/A-502	1/2"	--	22.00	ALUMINUM ENTRANCE ASSEMBLY
221	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	23.00	
222	7' - 1"	3' - 1"	B	PT-6	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	7.00	
223	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	7.00	
224	7' - 1"	3' - 1"	A	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	13.00	
225	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	7.00	
226	7' - 1"	5' - 4"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00 1	
227	7' - 1"	5' - 4"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
228	7' - 1"	5' - 4"	C	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
229	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	6.00	
230A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	6.00	
231A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
231B	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
232A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	6.00	
232B	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	6.00	
233	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
234A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
234B	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A	10/1-600	1/2"	--	6.00	
235A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A		1/2"	--	18.00 1	
235B	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	A		1/2"	--	18.00	
236	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
237	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
238	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	18.00	
239	7' - 4 1/2"	3' - 4 1/2"	A	INSUL. HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	24.00	STEEL DOOR SLAB W/POLYETHELENE CORE
C2A	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	6.00 1	
C2B	7' - 4 1/2"	3' - 4 1/2"	A	INSUL. HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	--	25.00	STEEL DOOR SLAB W/POLYETHELENE CORE
1 C2C	7' - 1"	3' - 1"	B	HM	3' - 0"	7' - 0"	1 3/4"	HM	D		1/2"	--	7.00	
S2	7' - 0 1/2"	3' - 0 1/2"	S3	HM	3' - 0"	7' - 0"	1 3/4"	HM	C		1/2"	--	19.00	STOREFRONT S3
S3-2	7' - 4 1/2"	3' - 4 1/2"	A	INSUL. HM	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL	D	2/A-502	1/2"	B	15.00 1	STEEL DOOR SLAB W/POLYETHELENE CORE

WINDOW SCHEDULE

MARK	QUANTITY	FRAME HEIGHT	FRAME WIDTH	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	GENERAL REMARKS
W1	2	3' - 4"	3' - 4"	ALUMINUM	70% PVDF	DARK OR CLASSIC BRONZE	SAME FRAME AS W2. PROVIDE INSULATED ALUMINUM SANDWICH SPANDREL PANELS. COLOR TO MATCH CENTRIA 977 MOSS.
W2	7	3' - 4"	3' - 4"	ALUMINUM	70% PVDF	DARK OR CLASSIC BRONZE	
W3	16	5' - 4"	3' - 4"	ALUMINUM	70% PVDF	DARK OR CLASSIC BRONZE	
W4	4	7' - 4"	6' - 8"	ALUMINUM	70% PVDF	DARK OR CLASSIC BRONZE	
W5	2	7' - 4"	6' - 8"	ALUMINUM	70% PVDF	DARK OR CLASSIC BRONZE	SAME FRAME AS W4. PROVIDE INSULATED ALUMINUM SANDWICH SPANDREL PANELS. COLOR TO MATCH CENTRIA 977 MOSS.
W6	5	4' - 8"	4' - 0"	SEE REMARKS	ANODIZING	CLEAR	FIRE RATED STEEL FRAME WINDOW W/ ANODIZED ALUMINUM CLADDING.

GLAZING NOTES:

SEE SPECIFICATIONS FOR GLAZING TYPES. 2

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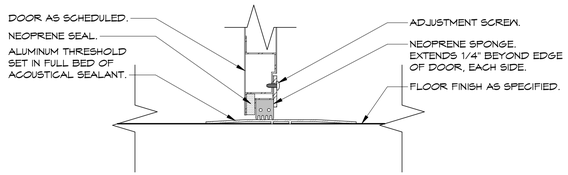
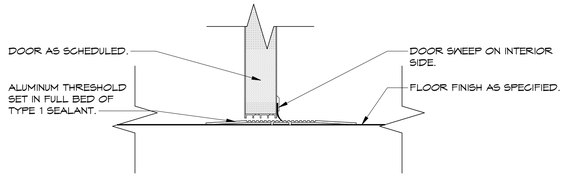
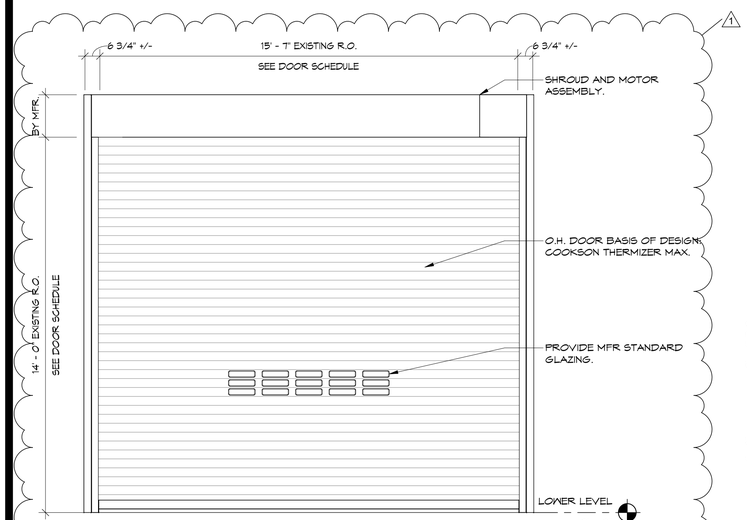
REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YOR



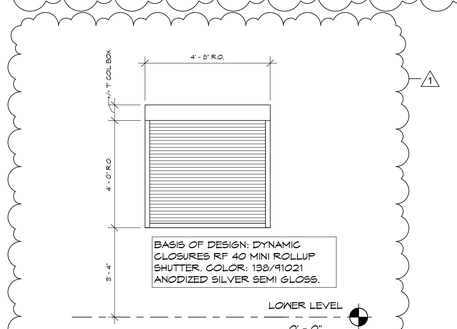
1 ACOUSTICAL THRESHOLD
SCALE : 3" = 1'-0"



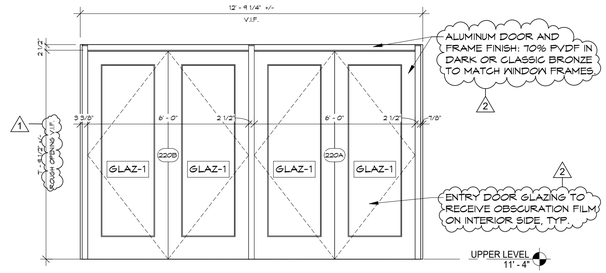
2 EXTERIOR THRESHOLD
SCALE : 3" = 1'-0"



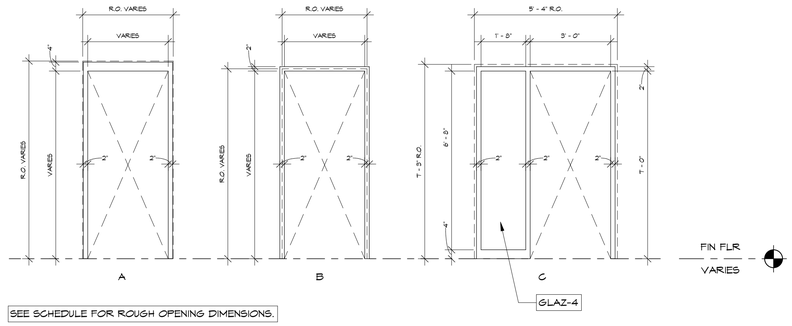
9 OVERHEAD DOOR
SCALE : 3/8" = 1'-0"



8 TRANSACTION COUNTER SHUTTER
SCALE : 3/8" = 1'-0"

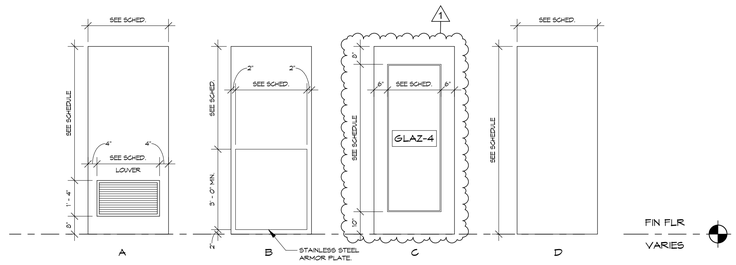


5 TYPICAL ENTRY ELEVATION
SCALE : 3/8" = 1'-0"



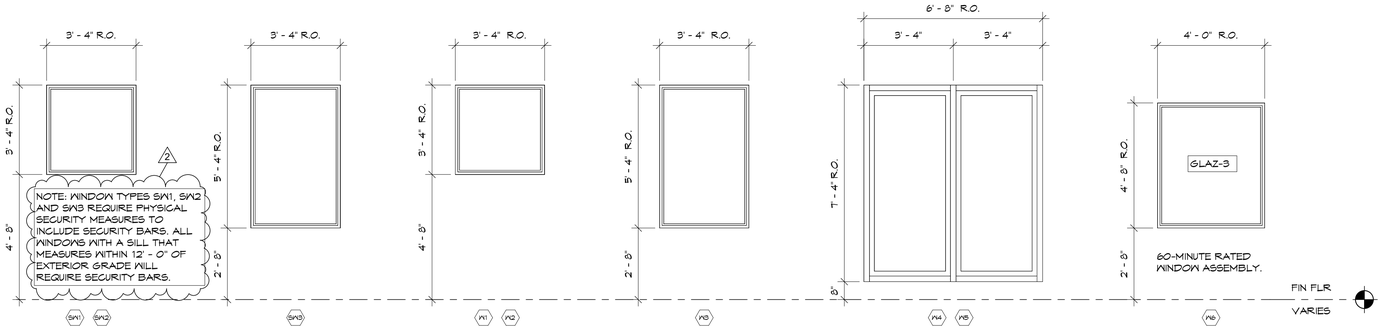
SEE SCHEDULE FOR ROUGH OPENING DIMENSIONS.

3 DOOR FRAME ELEVATIONS
SCALE : 3/8" = 1'-0"



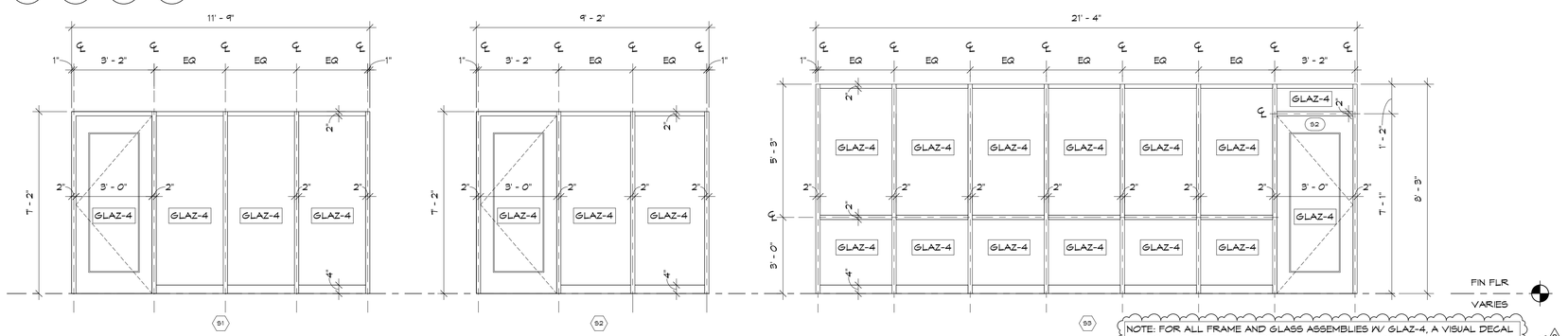
SEE SCHEDULE FOR DOOR LEAF DIMENSIONS.

4 DOOR PANEL ELEVATIONS
SCALE : 3/8" = 1'-0"



NOTE: SEE ELEVATIONS A-201, A-202 FOR EXTERIOR GLAZING CALL-OUTS.

7 WINDOW ELEVATIONS
SCALE : 3/8" = 1'-0"



6 STOREFRONT ELEVATIONS
SCALE : 3/8" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

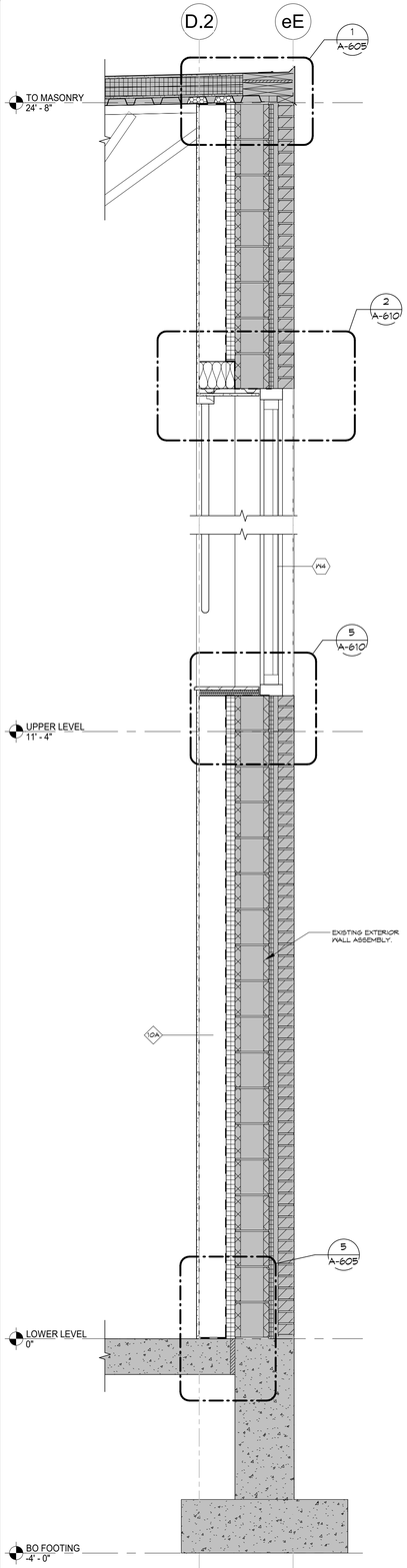
PROJECT NUMBER: **47477-C**

DESIGNED BY: GBT/JLP
DRAWN BY: GBT
FIELD CHECK: JLP
APPROVED: DKA

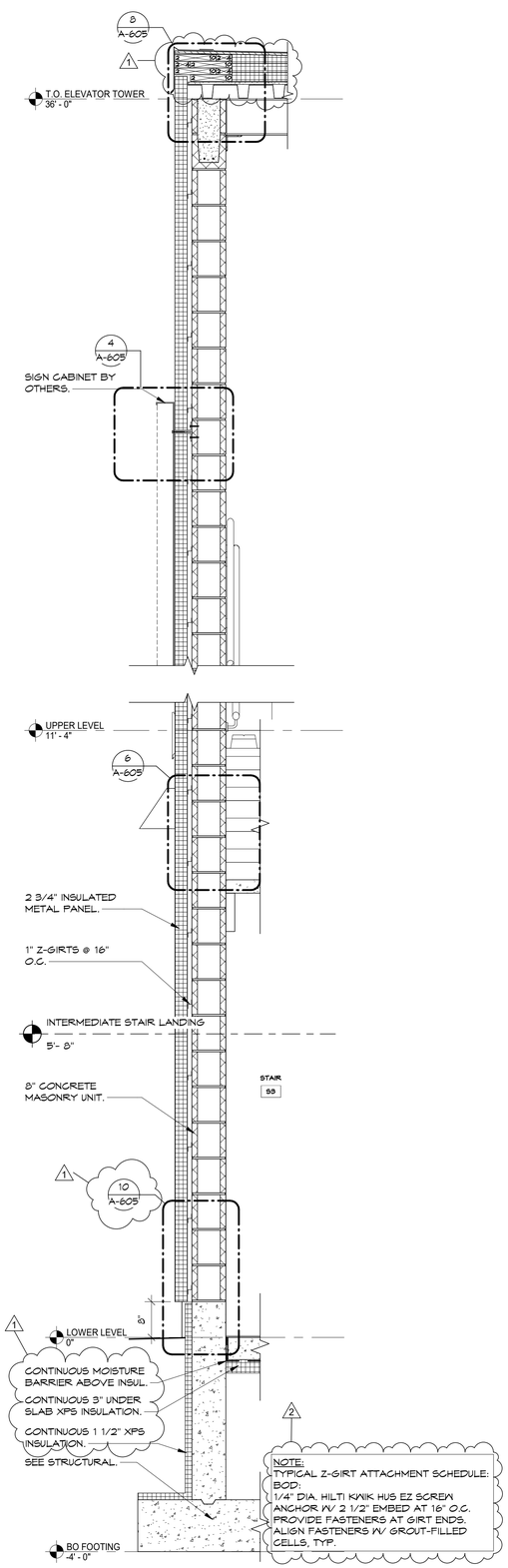
SHEET TITLE:
DOOR AND WINDOW DETAILS AND SCHEDULES

DRAWING NUMBER:
A-502

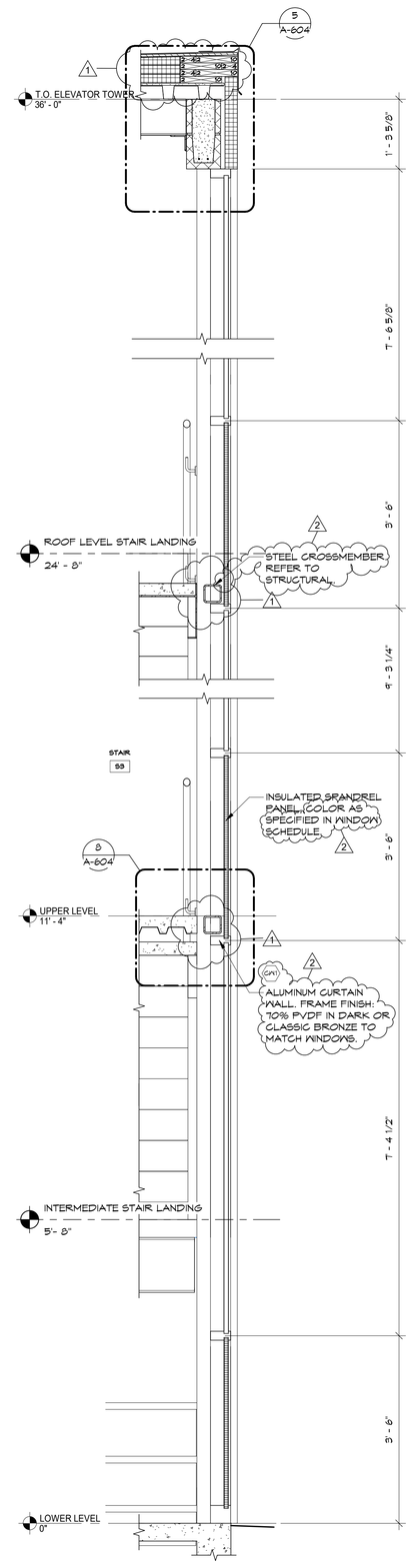
SHEET 80 OF 198



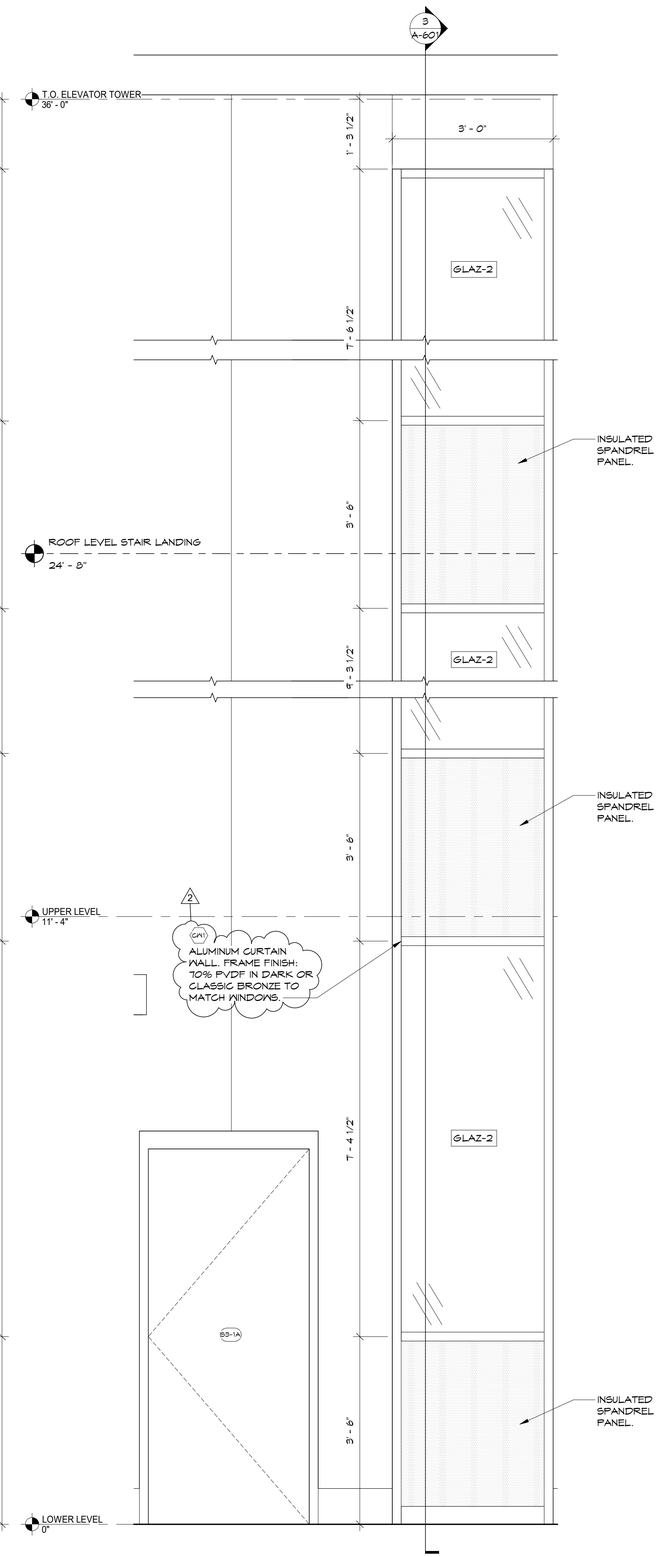
1 SECTION @ EXISTING EXT. WALL
SCALE : 3/4" = 1'-0"



2 TYPICAL ADDITION WALL SECTION
SCALE : 3/4" = 1'-0"



3 CURTAIN WALL SECTION
SCALE : 3/4" = 1'-0"



4 STAIR TOWER CURTAIN WALL ELEVATION
SCALE : 3/4" = 1'-0"

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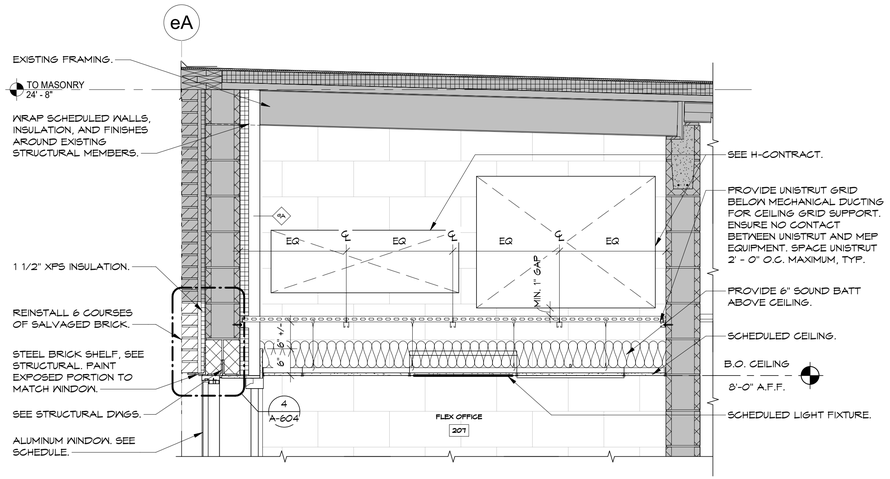
PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

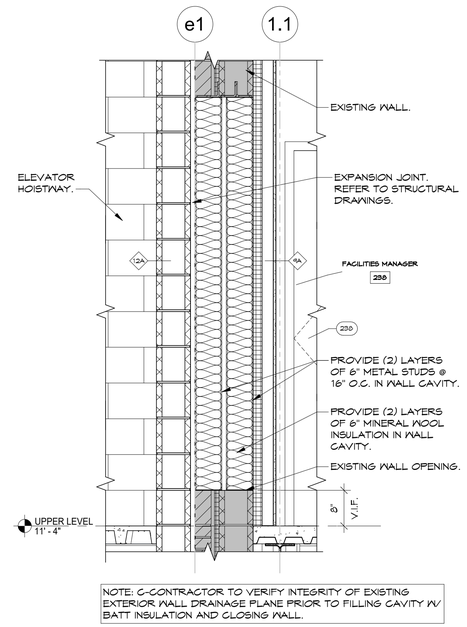
SHEET TITLE:
WALL SECTIONS

DRAWING NUMBER:
A-601

SHEET 81 OF 198

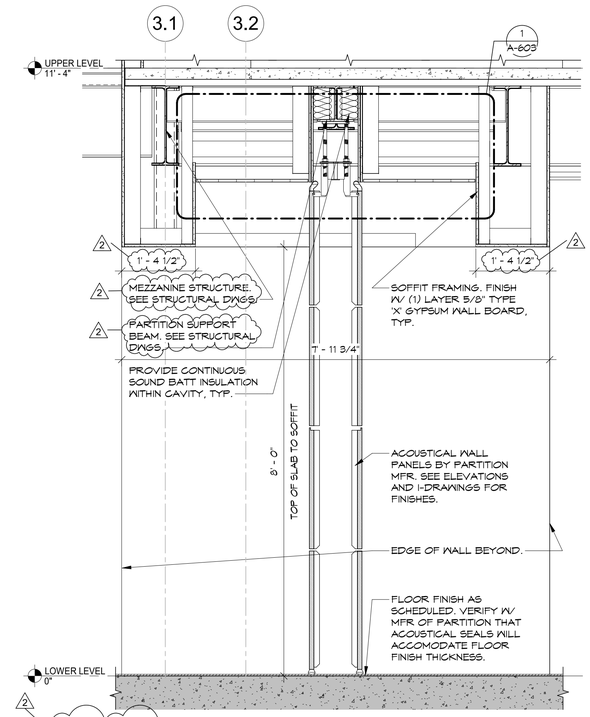


1 FLEX OFFICE 207 CEILING
SCALE : 3/4" = 1'-0"

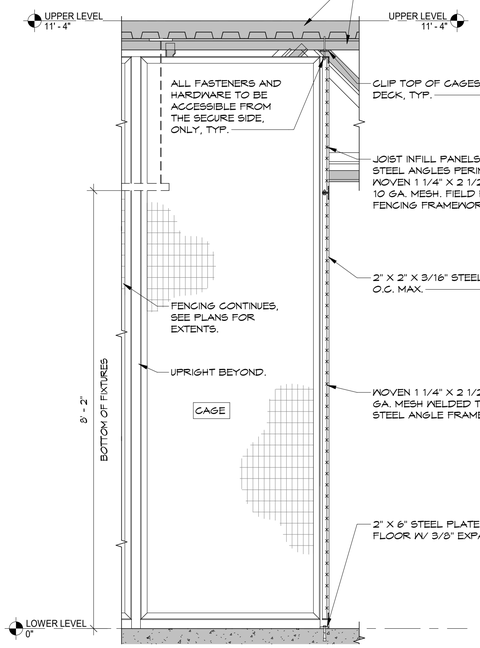


NOTE: C-CONTRACTOR TO VERIFY INTEGRITY OF EXISTING EXTERIOR WALL DRAINAGE PLANE PRIOR TO FILLING CAVITY W/ BATT INSULATION AND CLOSING WALL.

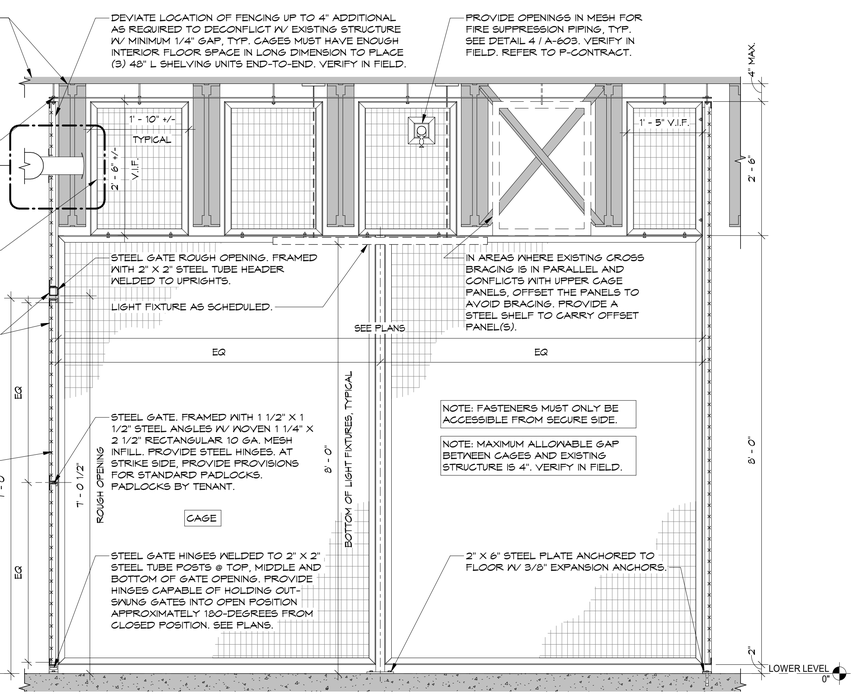
2 FACILITIES MANAGER WALL INFILL
SCALE : 3/4" = 1'-0"



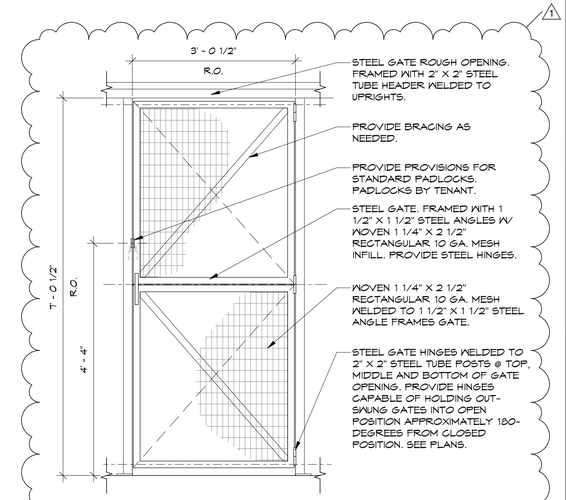
3 OPERABLE PARTITION SECTION
SCALE : 3/4" = 1'-0"



4 CAGE WALL FRAMING
SCALE : 3/4" = 1'-0"



5 TYPICAL CAGE ELEVATION
SCALE : 3/4" = 1'-0"



6 CAGE GATE ELEVATION, TYP.
SCALE : 3/4" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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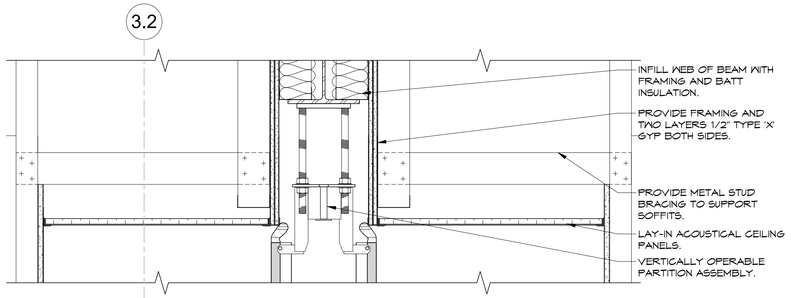
PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

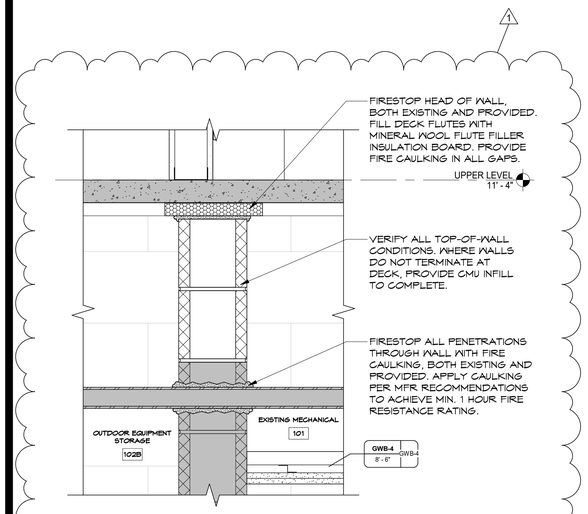
SHEET TITLE:
SECTIONS AND DETAILS

DRAWING NUMBER:
A-602

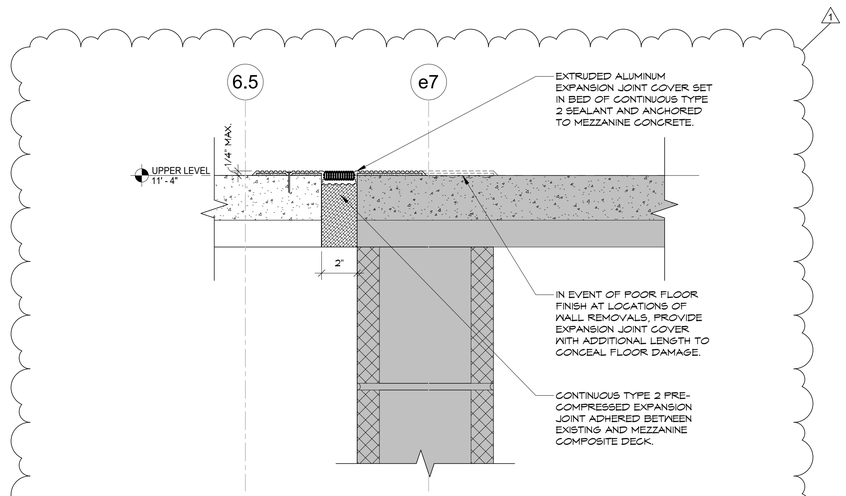
SHEET 82 OF 198



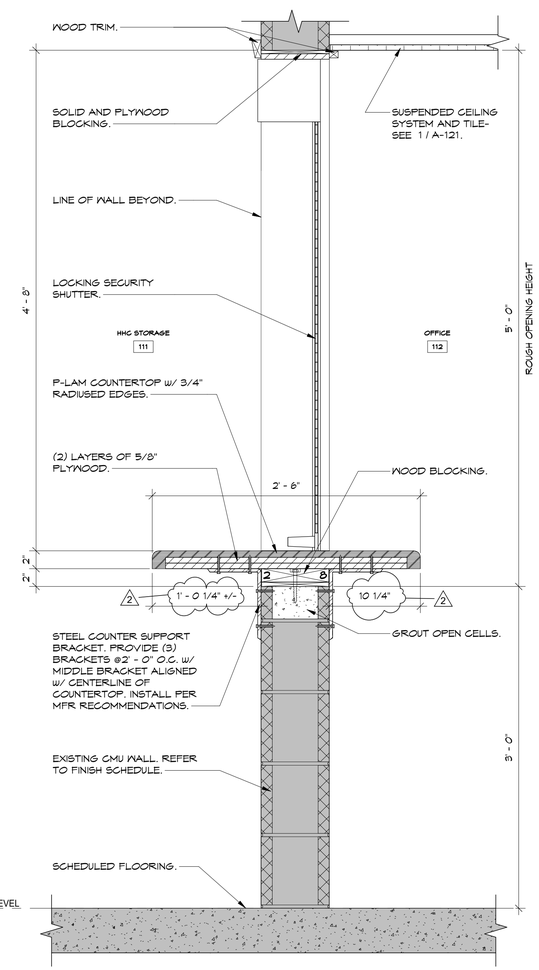
1 OPERABLE PARTITION DETAIL
SCALE : 1 1/2" = 1'-0"



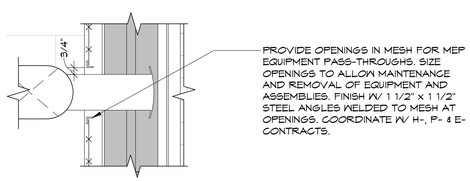
2 HEAD OF WALL RECONSTRUCTION
SCALE : 1 1/2" = 1'-0"



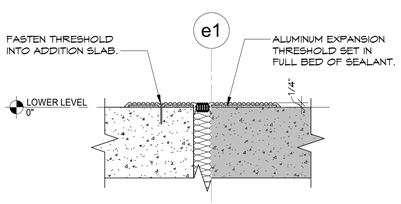
3 MEZZANINE EXPANSION JOINT COVER
SCALE : 3" = 1'-0"



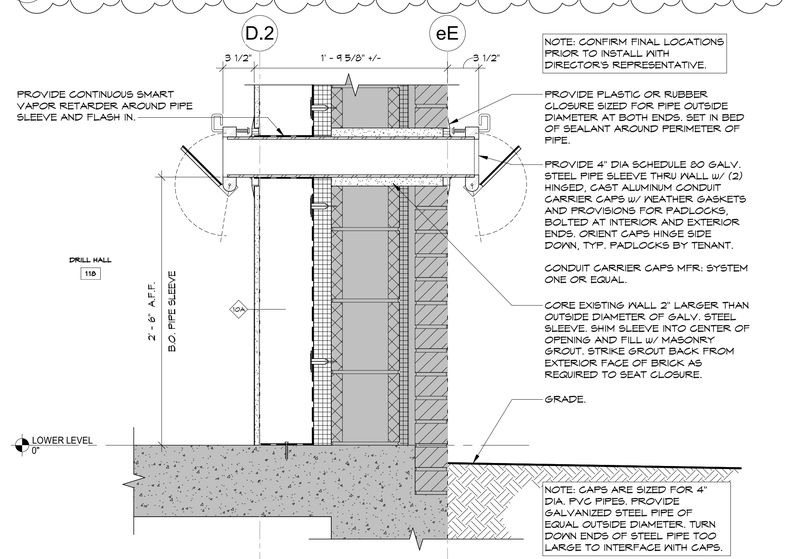
7 SECTION DETAIL - TRANSACTION WINDOW
SCALE : 1 1/2" = 1'-0"



4 TYPICAL MEP CAGE PENETRATION
SCALE : 1 1/2" = 1'-0"



5 ADDITION FLOOR EXPANSION JOINT
SCALE : 3" = 1'-0"



6 SECTION DETAIL - CABLE PASS THROUGH SLEEVE
SCALE : 1 1/2" = 1'-0"

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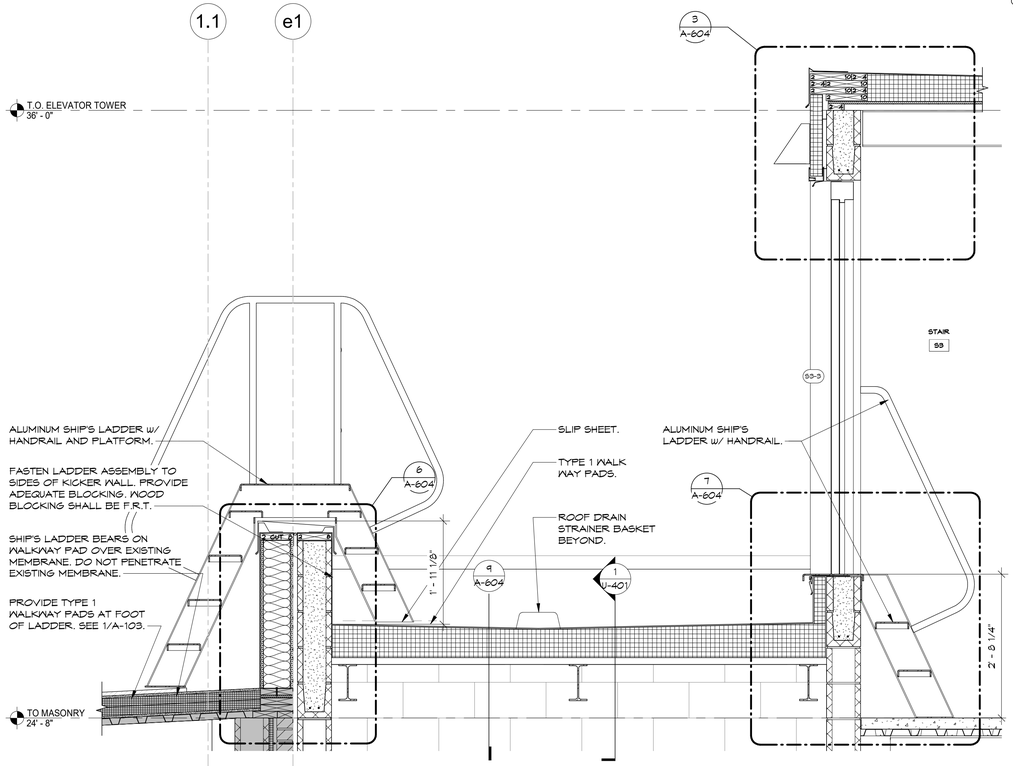
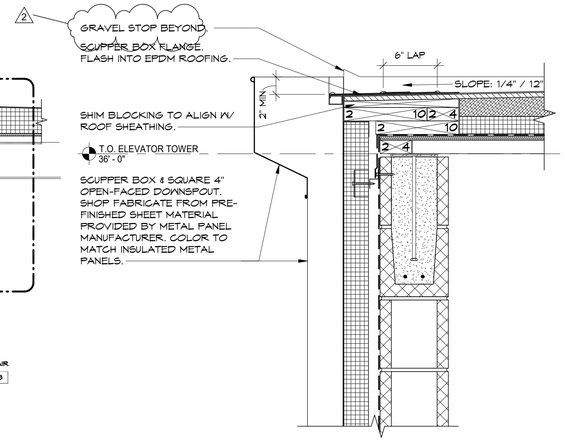
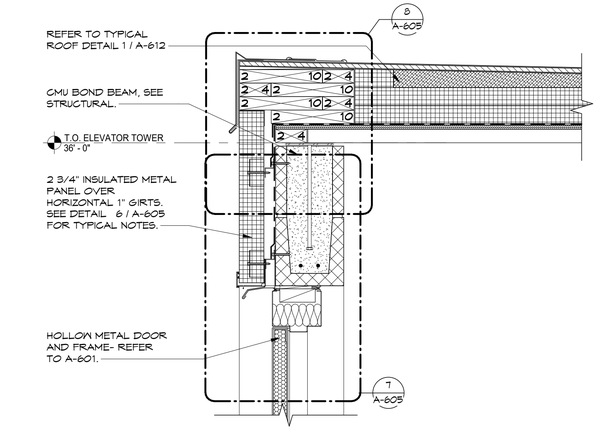
SHEET 83 OF 198



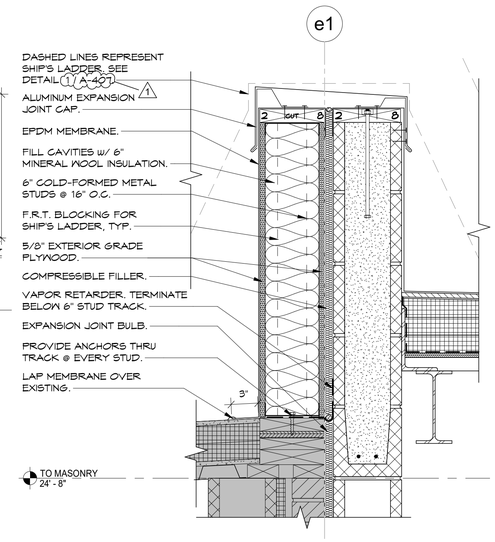
1 ROOF ACCESS SECTION
SCALE : 3/4" = 1'-0"



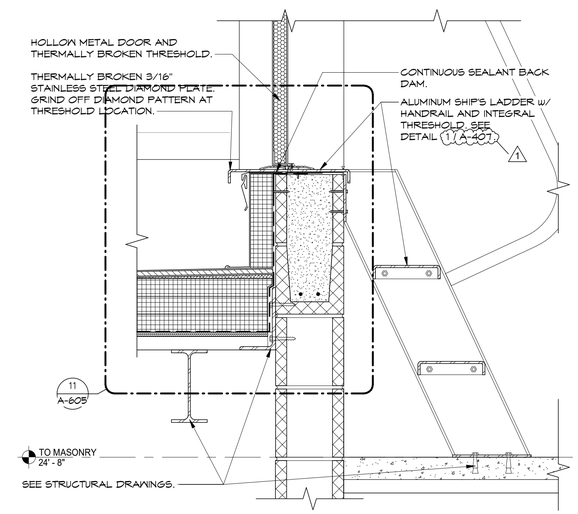
2 UPPER ROOF SCUPPER
SCALE : 1 1/2" = 1'-0"



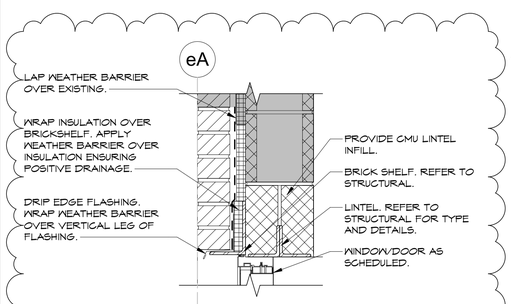
3 ROOF ACCESS DOOR HEAD
SCALE : 1 1/2" = 1'-0"



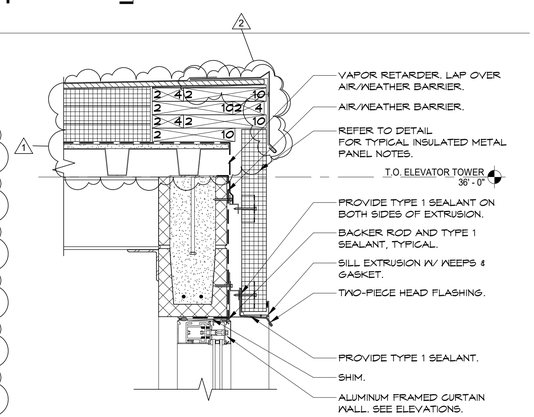
6 PARAPET EXPANSION JOINT
SCALE : 1 1/2" = 1'-0"



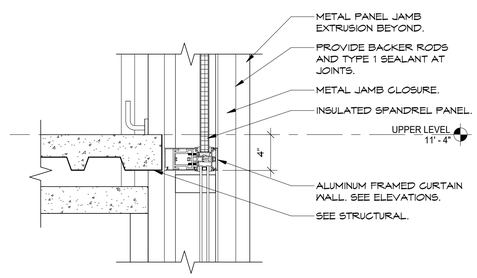
7 ROOF ACCESS THRESHOLD
SCALE : 1 1/2" = 1'-0"



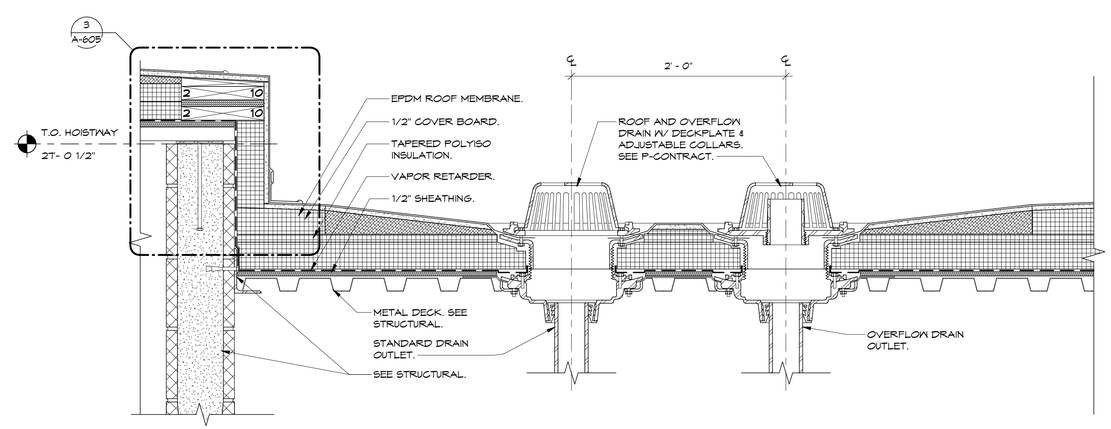
4 LINTEL DETAIL
SCALE : 1 1/2" = 1'-0"



5 CURTAIN WALL COPING
SCALE : 1 1/2" = 1'-0"



8 CURTAIN WALL DETAIL
SCALE : 1 1/2" = 1'-0"



9 SECTION THRU ROOF DRAINS
SCALE : 1 1/2" = 1'-0"

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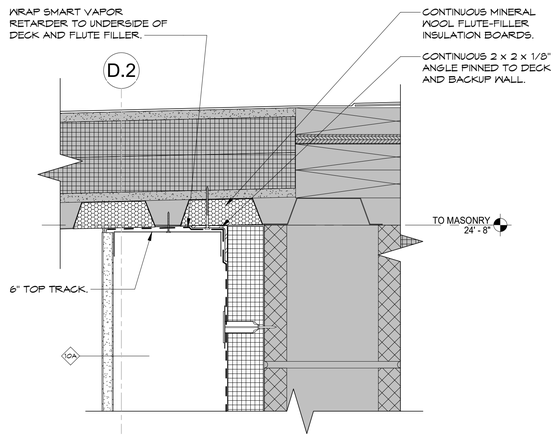
APPROVED:	DKA

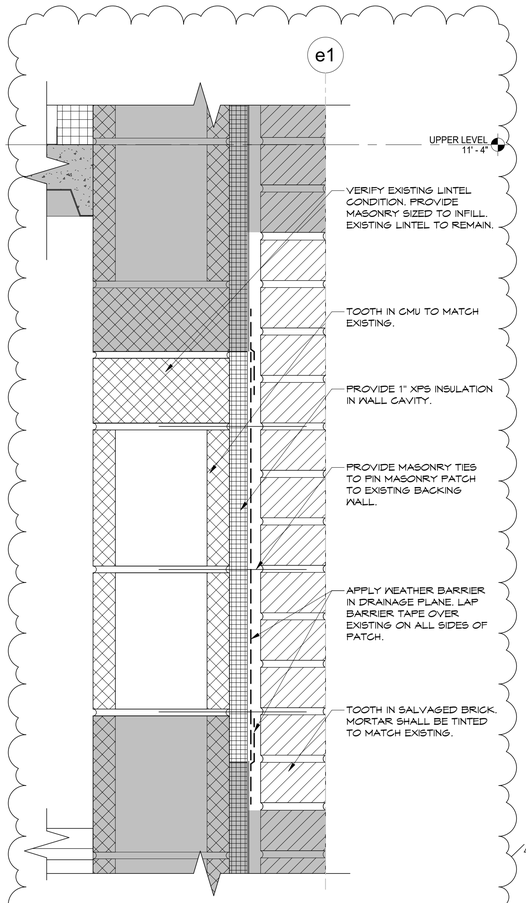
SHEET TITLE:
SECTIONS AND DETAILS

DRAWING NUMBER:
A-604

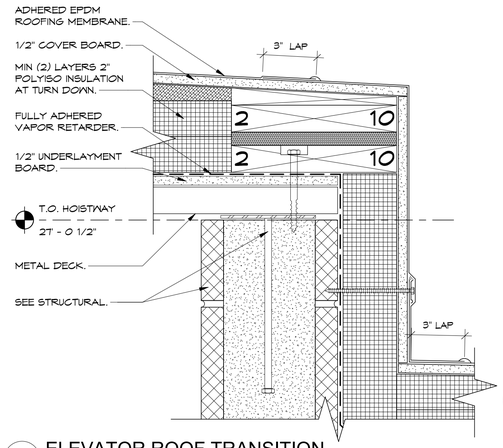
SHEET 84 OF 198



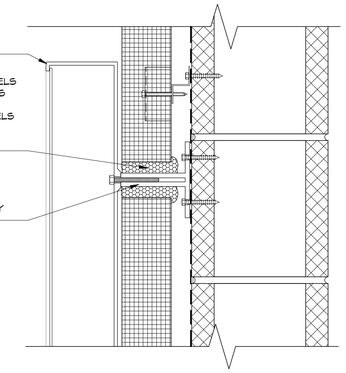
1 HEAD OF WALL VAPOR RETARDER
SCALE : 3" = 1'-0"



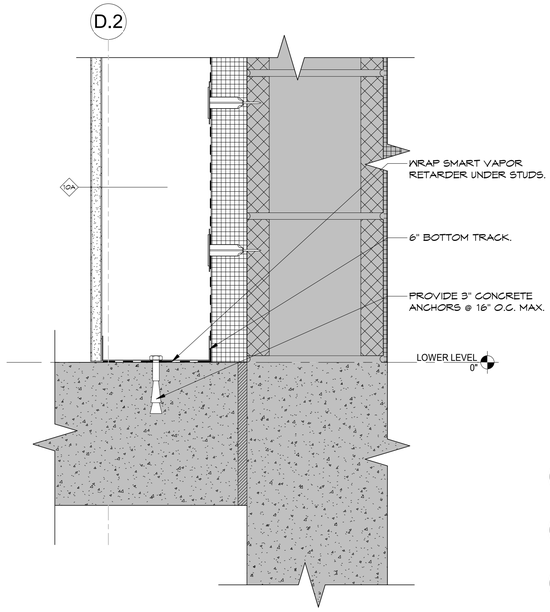
2 TYPICAL MASONRY INFILL
SCALE : 3" = 1'-0"



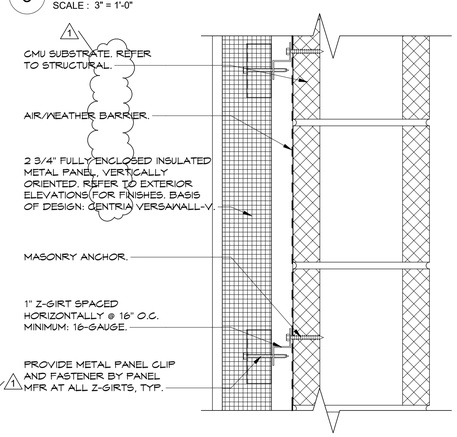
3 ELEVATOR ROOF TRANSITION
SCALE : 3" = 1'-0"



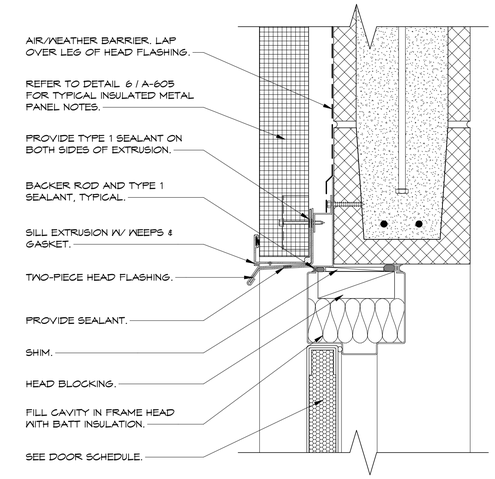
4 SIGNAGE MOUNTING THRU PANELS
SCALE : 3" = 1'-0"



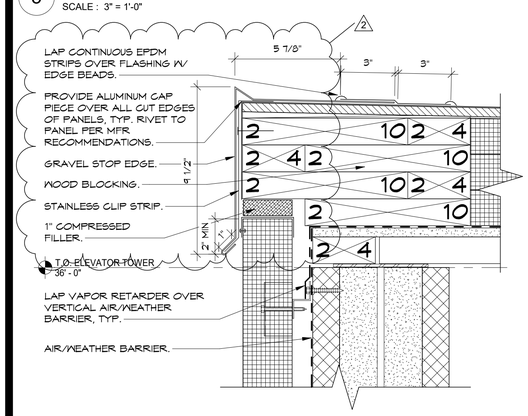
5 BASE OF WALL VAPOR RETARDER
SCALE : 3" = 1'-0"



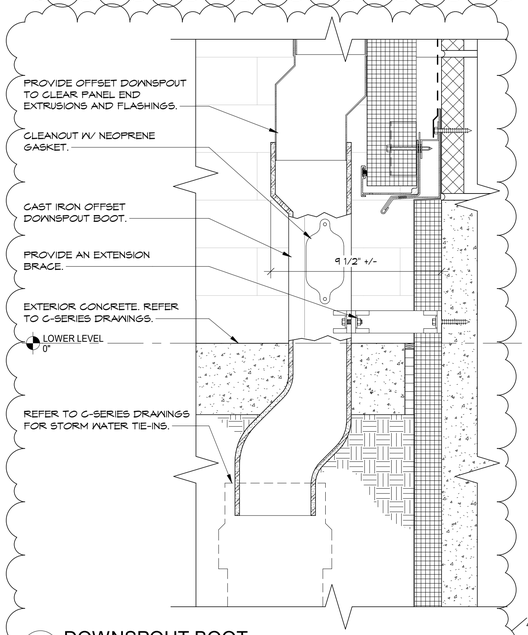
6 TYPICAL PANEL SECTION
SCALE : 3" = 1'-0"



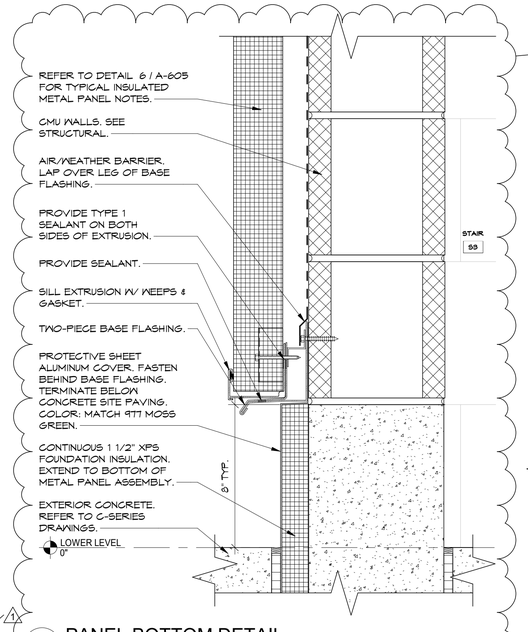
7 EXTERIOR DOOR HEAD - METAL PANEL
SCALE : 3" = 1'-0"



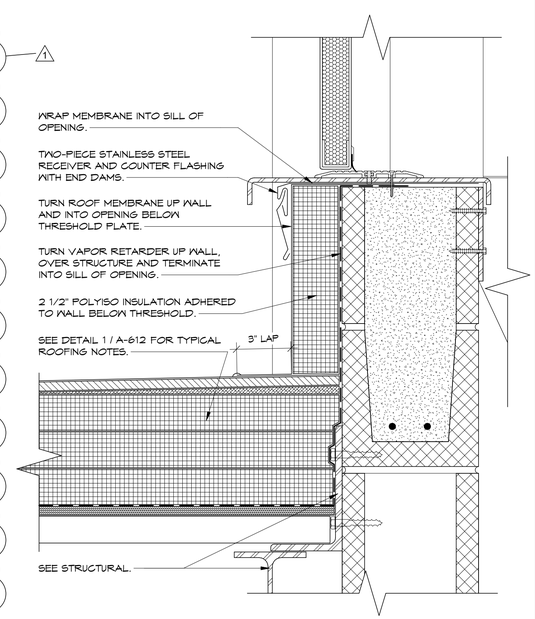
8 ROOF EDGE - METAL PANELS
SCALE : 3" = 1'-0"



9 DOWNSPOUT BOOT
SCALE : 3" = 1'-0"



10 PANEL BOTTOM DETAIL
SCALE : 3" = 1'-0"



11 EXTERIOR DOOR SILL - METAL PANELS
SCALE : 3" = 1'-0"

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APPROVED:	DKA

SHEET TITLE:
SECTIONS AND DETAILS

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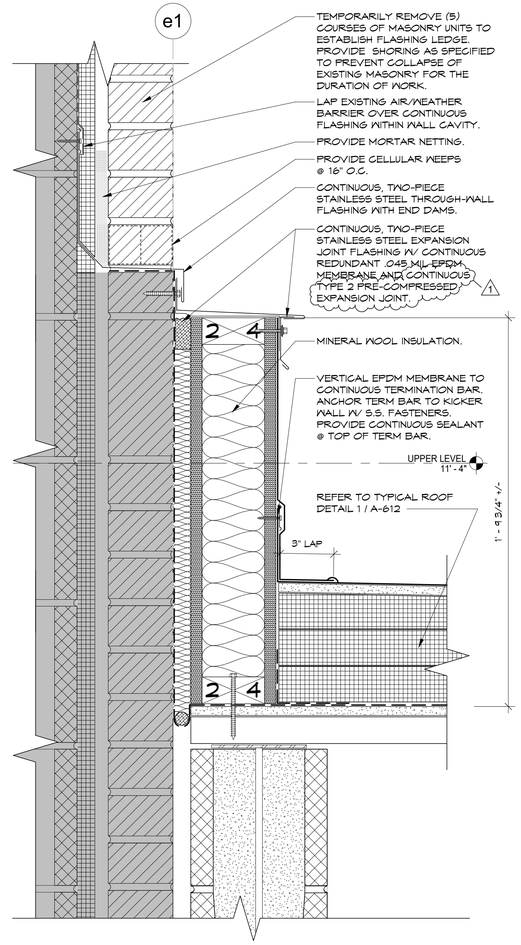
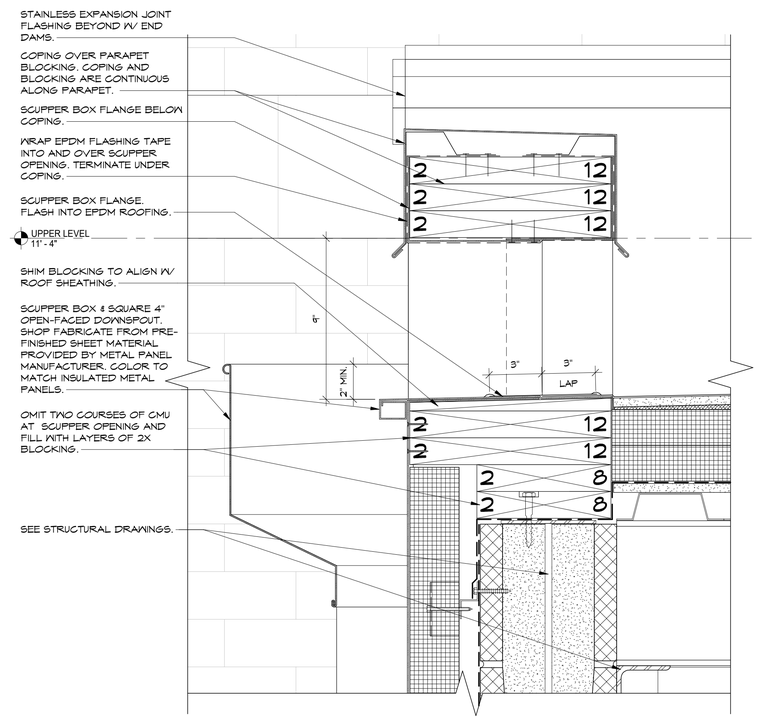
A-605

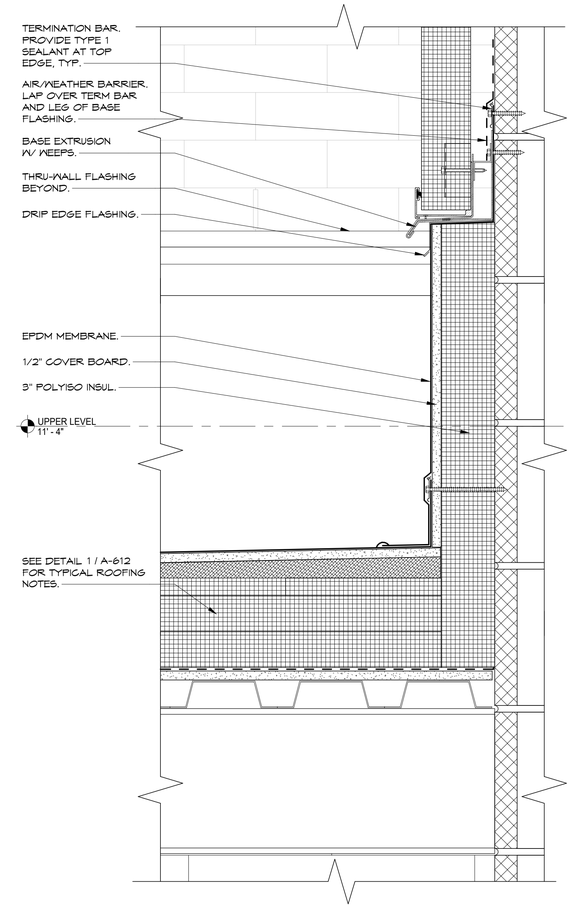
SHEET 85 OF 198



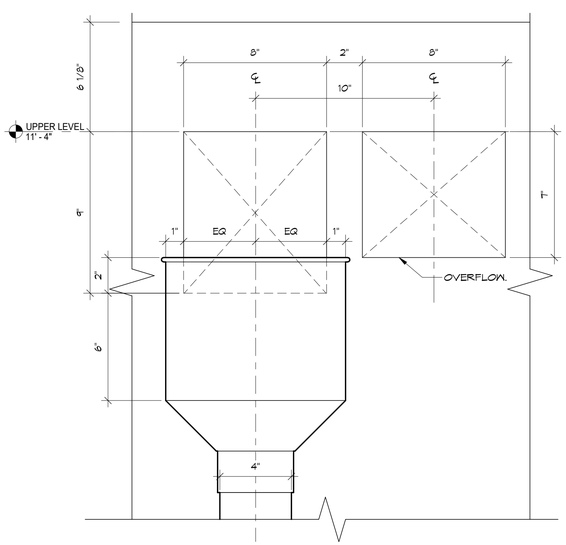
1 LOW ROOF THROUGH-WALL FLASHING DETAIL
SCALE : 3" = 1'-0"



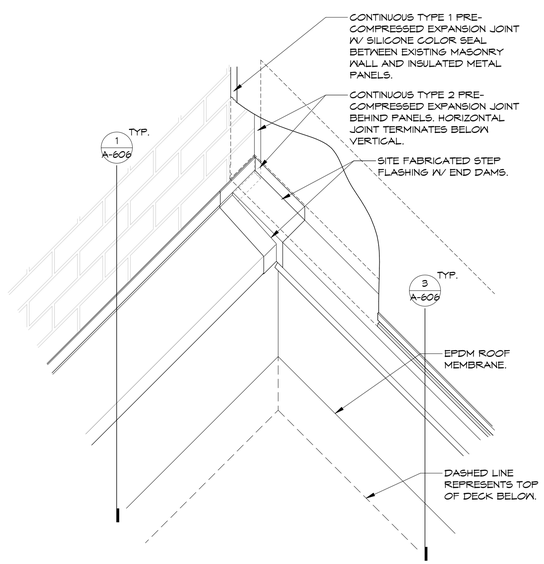
2 SECTION THRU SCUPPER
SCALE : 3" = 1'-0"



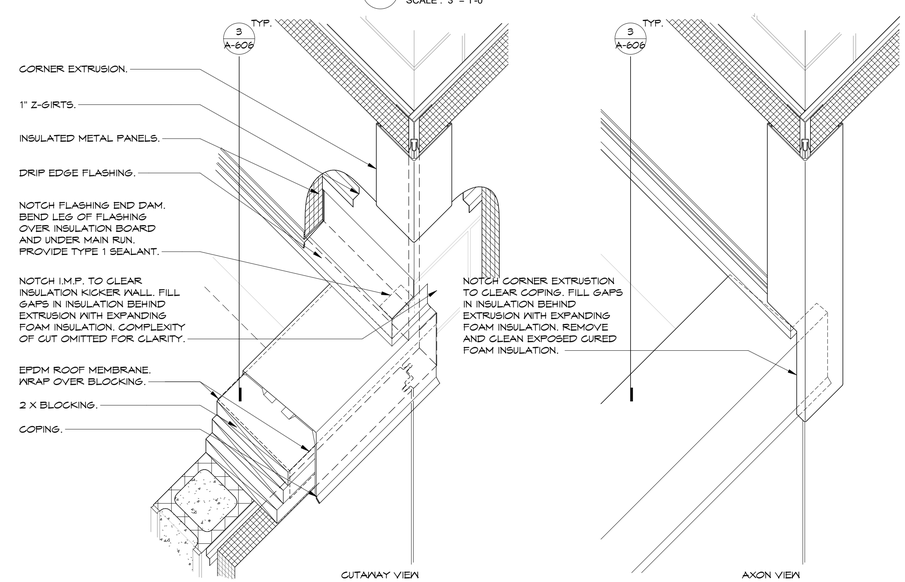
3 END PANEL DETAIL
SCALE : 3" = 1'-0"



4 TYPICAL SCUPPER ELEVATION
SCALE : 3" = 1'-0"



5 ISOMETRIC - EXP. JT. KNEE WALL TO METAL PANELS
SCALE : 1 1/2" = 1'-0"



6 ISOMETRIC - EXP. JT. KNEE WALL TO METAL PANELS
SCALE : 1 1/2" = 1'-0"

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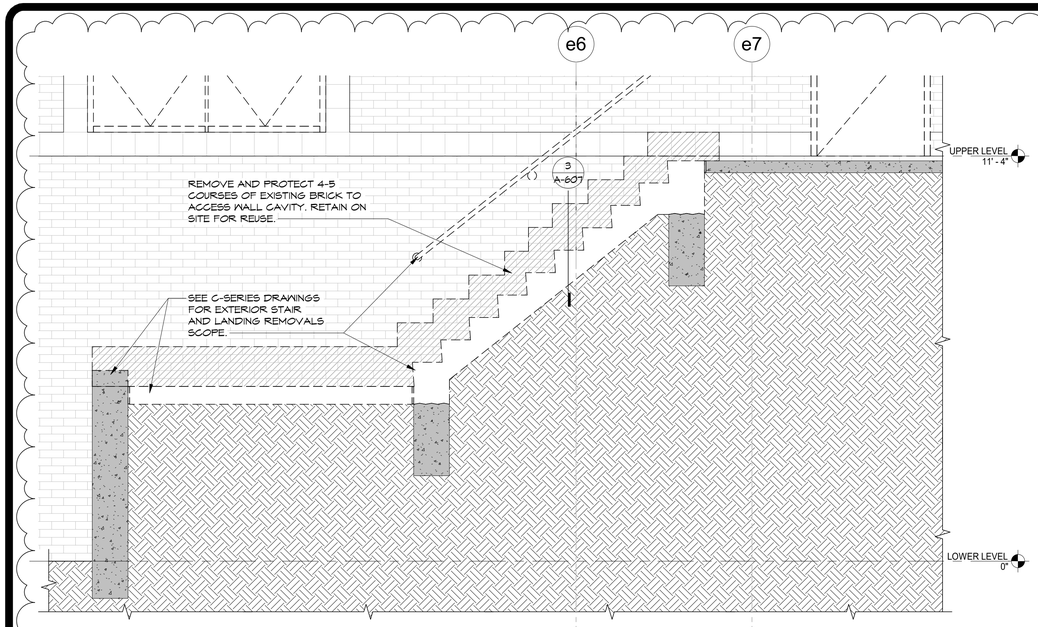
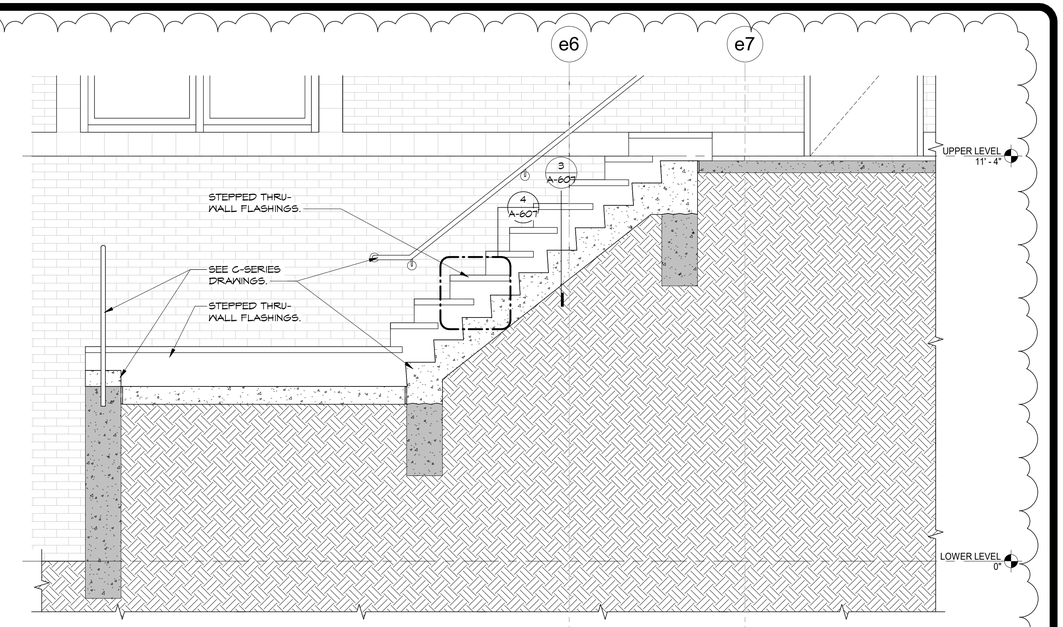
SHEET 86 OF 198



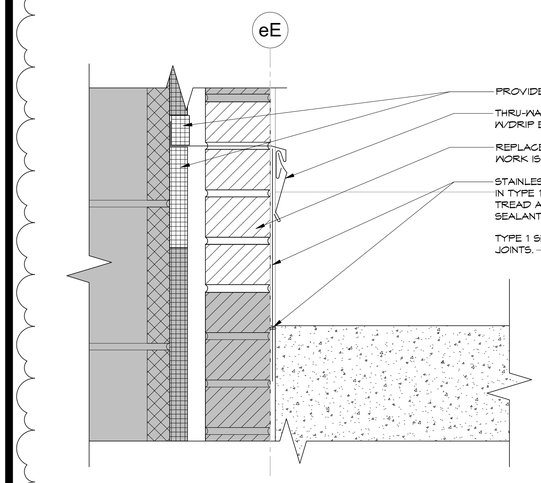
1 BRICK REMOVALS @ STAIRS FOR FLASHING PLACEMENT

SCALE : 1/2" = 1'-0"



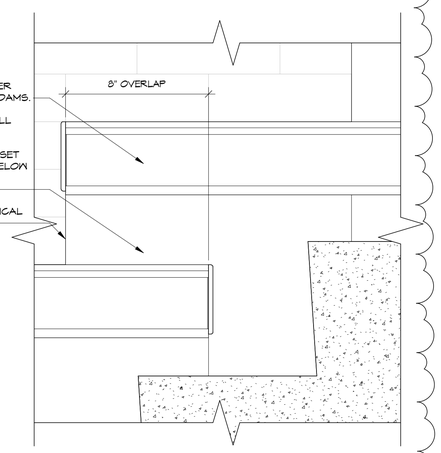
2 FLASHINGS @ STAIRS

SCALE : 1/2" = 1'-0"



3 THRU-WALL FLASHINGS @ EXT. STAIRS

SCALE : 3" = 1'-0"



4 ELEV DETAIL - FLASHING @ STAIRS

SCALE : 3" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

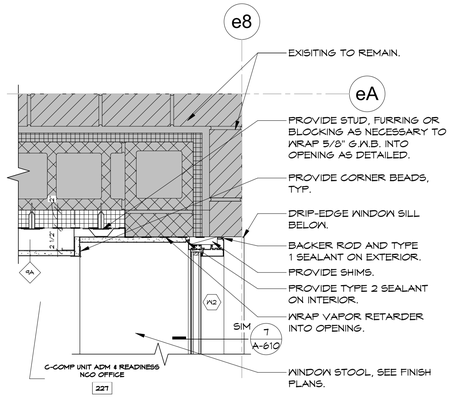
SHEET TITLE:

SECTIONS AND DETAILS

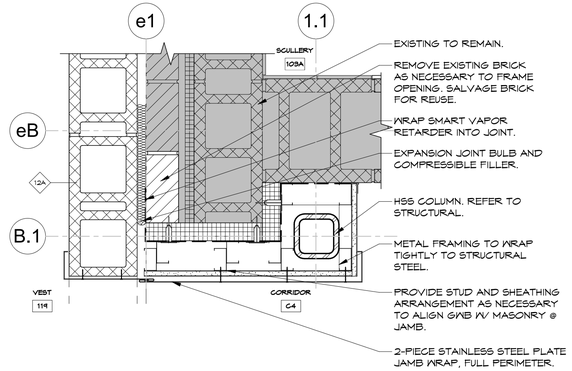
DRAWING NUMBER:

A-607

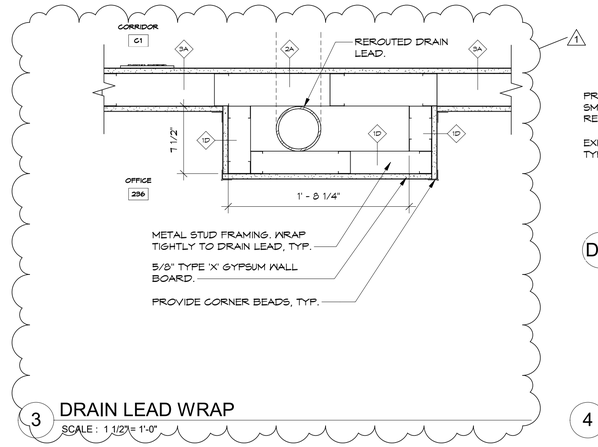
SHEET 87 OF 198



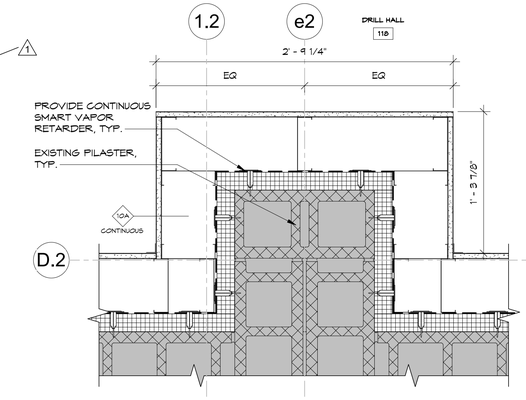
1 INTERIOR WINDOW WRAP
SCALE : 1 1/2" = 1'-0"



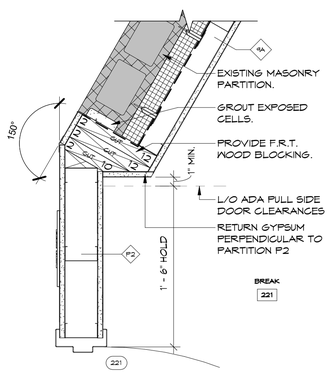
2 VESTIBULE CASED OPENING
SCALE : 1 1/2" = 1'-0"



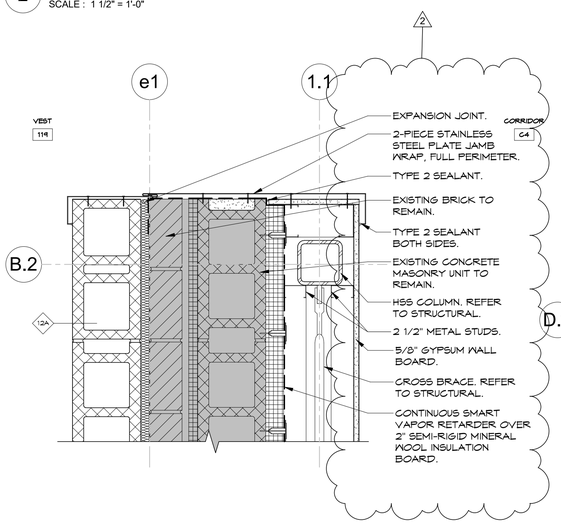
3 DRAIN LEAD WRAP
SCALE : 1 1/2" = 1'-0"



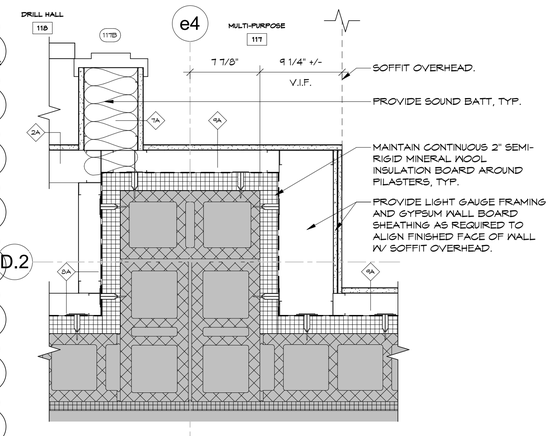
4 TYPICAL PILASTER WRAP
SCALE : 1 1/2" = 1'-0"



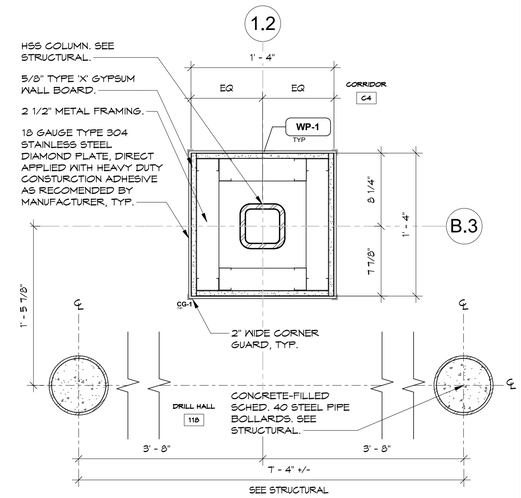
5 BREAK ROOM WALL FRAMING
SCALE : 1 1/2" = 1'-0"



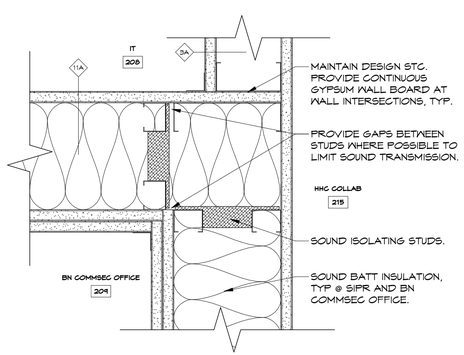
6 VESTIBULE CASED OPENING
SCALE : 1 1/2" = 1'-0"



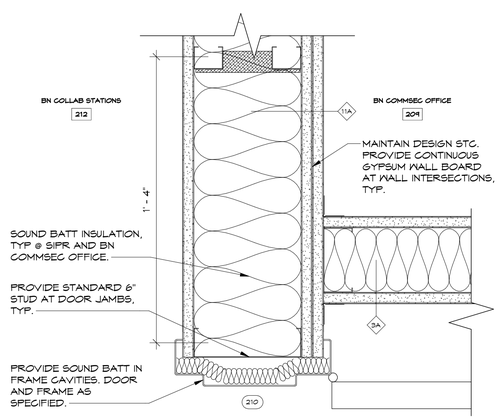
7 MULTI-PURPOSE PILASTER FRAMING
SCALE : 1 1/2" = 1'-0"



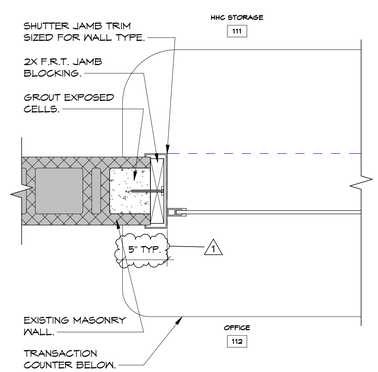
8 DRILL HALL COLUMN WRAP
SCALE : 1 1/2" = 1'-0"



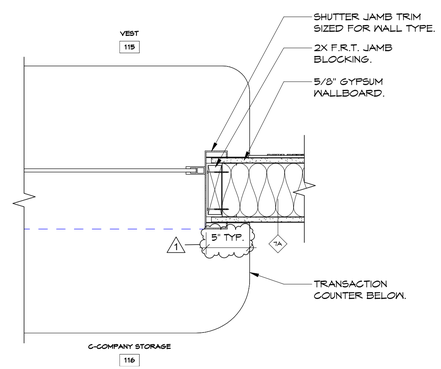
9 HIGH STC WALL INTERSECTION
SCALE : 3" = 1'-0"



10 HIGH STC WALL INTERSECTION
SCALE : 3" = 1'-0"



11 EXIST MASONRY SHUTTER JAMB
SCALE : 1 1/2" = 1'-0"



12 GYP. WALL SHUTTER JAMB
SCALE : 1 1/2" = 1'-0"

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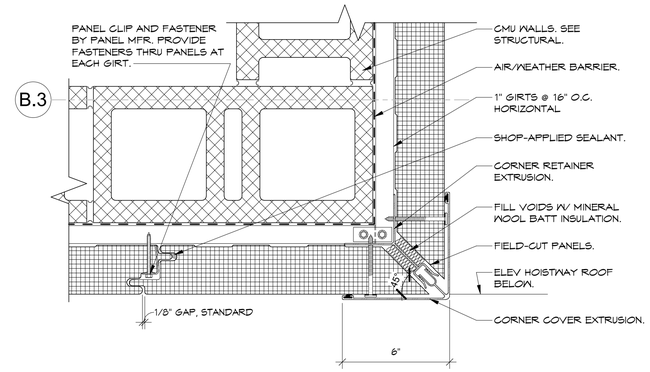
APPROVED:	DKA

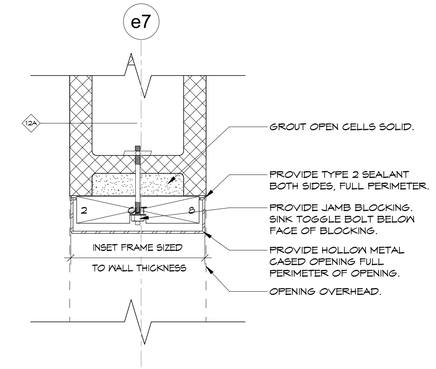
SHEET TITLE:
PLAN DETAILS

DRAWING NUMBER:
A-608

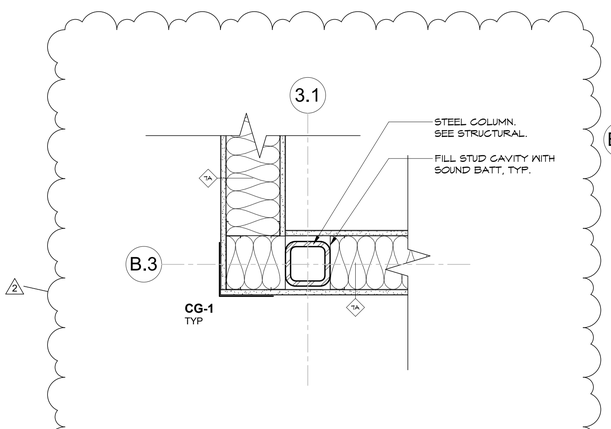
SHEET 88 OF 198



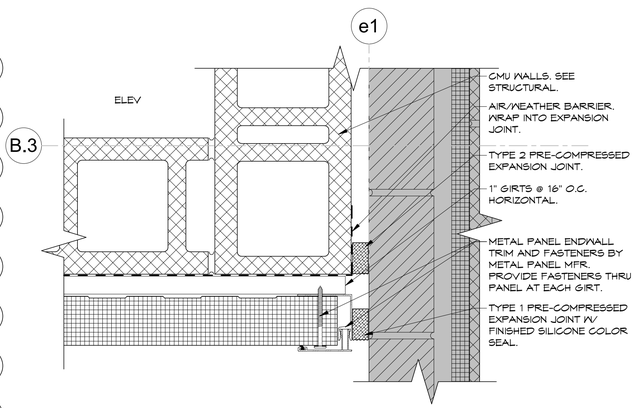
1 METAL PANEL OUTSIDE CORNER & VERTICAL JOINT
SCALE : 3" = 1'-0"



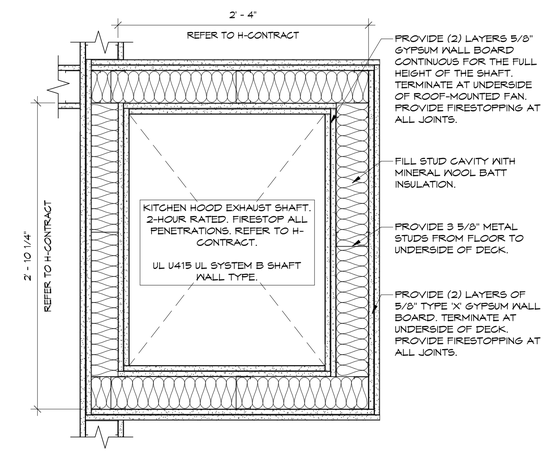
2 CASED OPENING JAMB
SCALE : 3" = 1'-0"



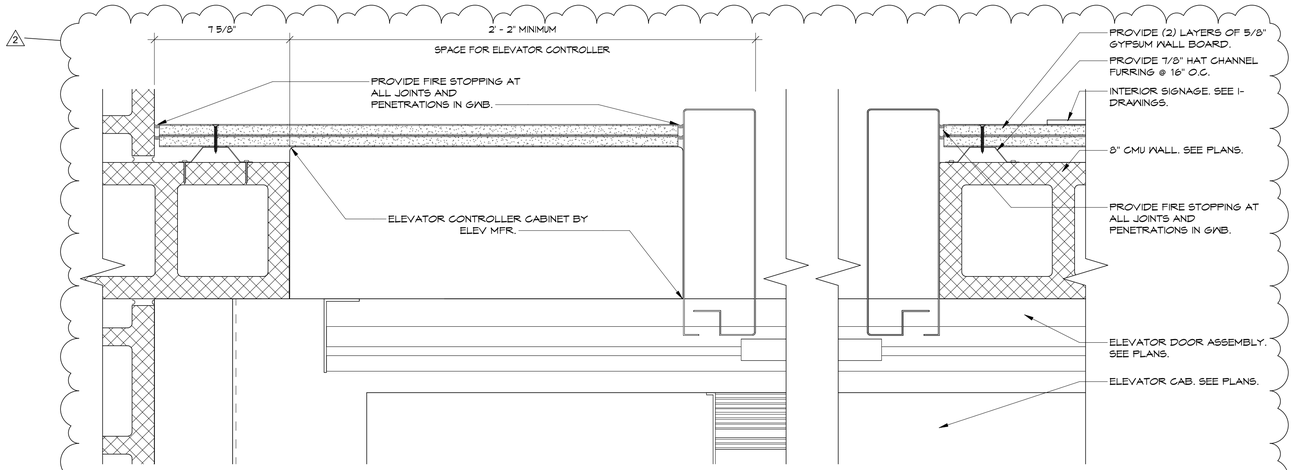
3 DRILL HALL WALL CORNER
SCALE : 1 1/2" = 1'-0"



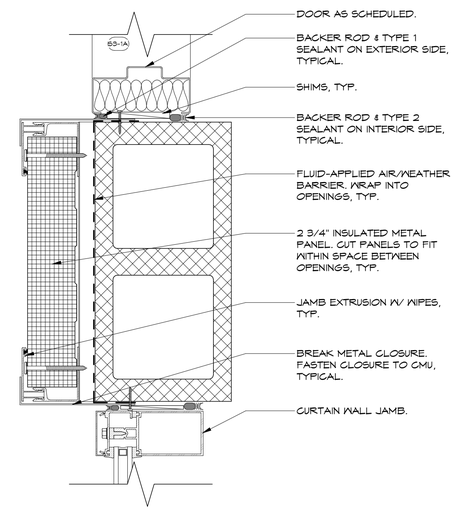
4 METAL PANEL ENDWALL CONDITION
SCALE : 3" = 1'-0"



5 RATED EXHAUST SHAFT
SCALE : 1 1/2" = 1'-0"



6 ELEVATOR CONTROLLER @ JAMB
SCALE : 3" = 1'-0"



7 PANELS BETWEEN OPENINGS
SCALE : 3" = 1'-0"

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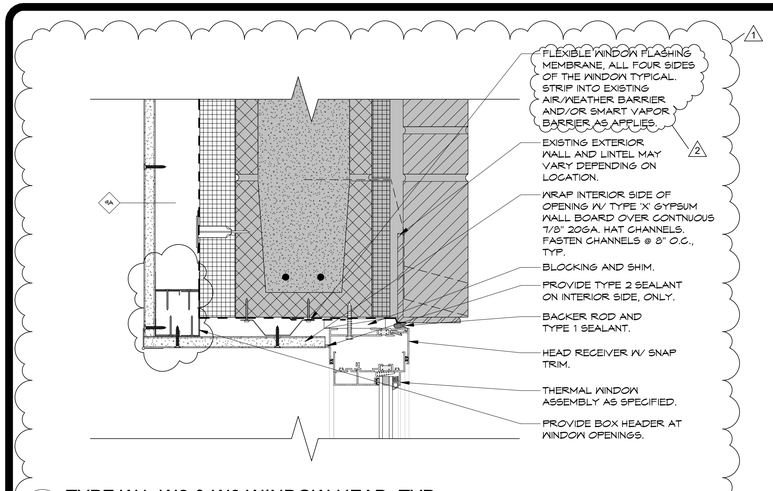
APPROVED:	DKA

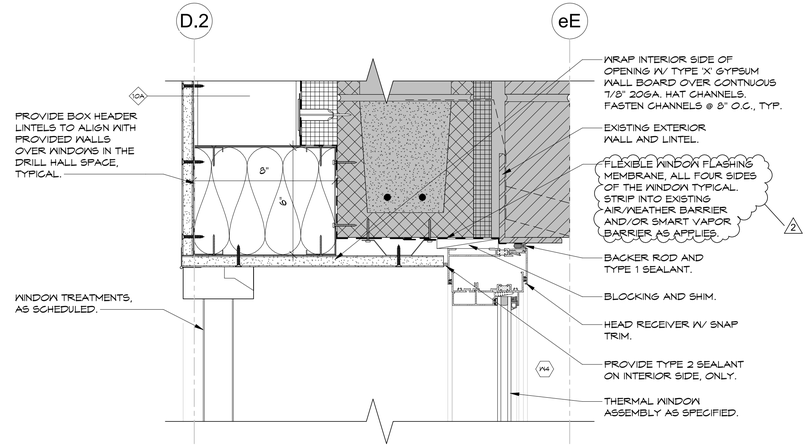
SHEET TITLE:
PLAN DETAILS

DRAWING NUMBER:
A-609

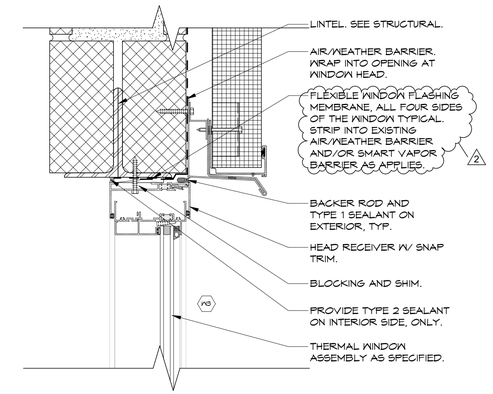
SHEET 89 OF 198



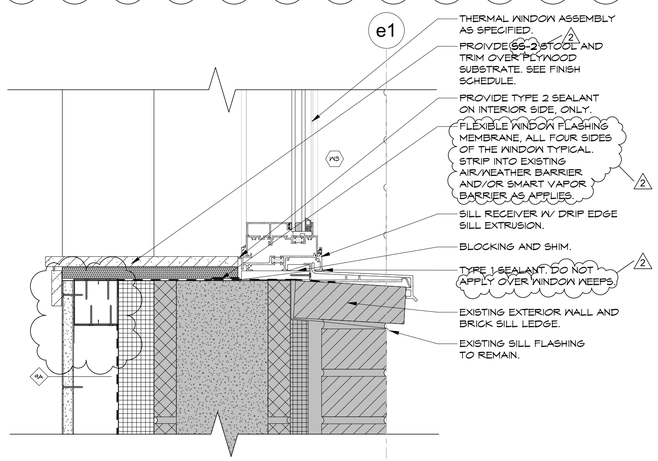
1 TYPE W1, W2 & W3 WINDOW HEAD, TYP.
SCALE : 3" = 1'-0"



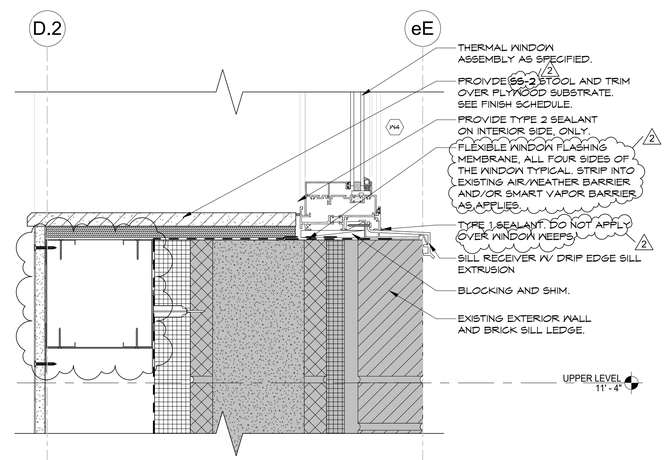
2 TYPE W4 & W5 WINDOW HEAD, TYP.
SCALE : 3" = 1'-0"



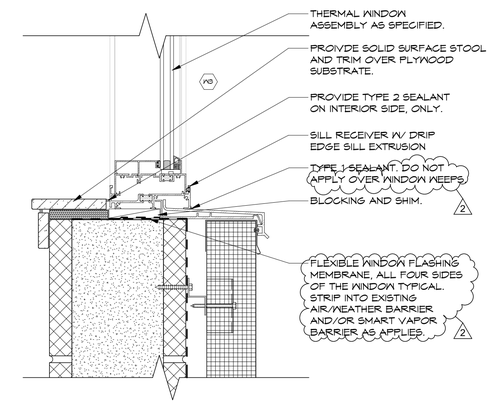
3 TYPE W3 METAL PANEL HEAD, TYP.
SCALE : 3" = 1'-0"



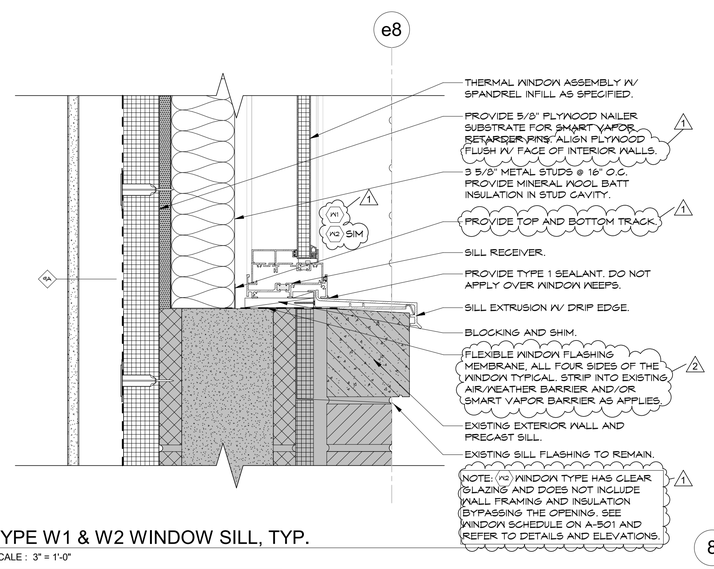
4 TYPE W3 WINDOW SILL TYP.
SCALE : 3" = 1'-0"



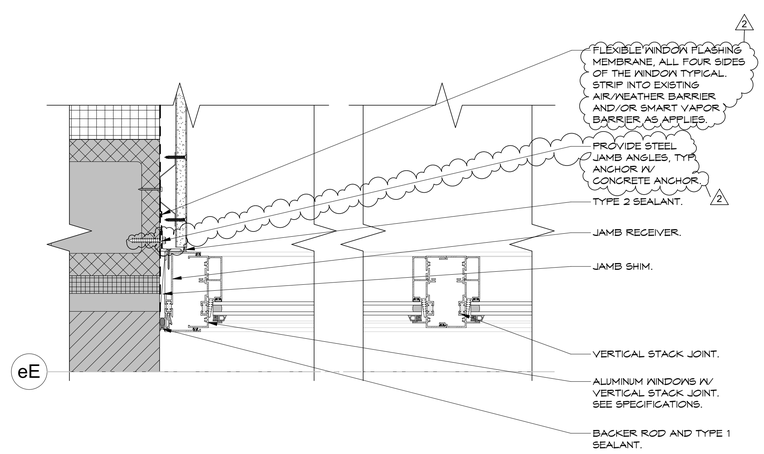
5 TYPE W4 & W5 WINDOW SILL, TYP
SCALE : 3" = 1'-0"



6 TYPE W3 METAL PANEL SILL, TYP.
SCALE : 3" = 1'-0"



7 TYPE W1 & W2 WINDOW SILL, TYP.
SCALE : 3" = 1'-0"



8 WINDOW W4 & W5 JAMB AND STACK JOINT.
SCALE : 3" = 1'-0"

NOTE: FOR ALL WINDOW INSTALLATIONS, DO NOT USE SPRAY FOAM AT WINDOW PERIMETERS. SEALING SHOULD BE COMPLETED WITH FLEXIBLE FLASHING MEMBRANES STRIPPED INTO AIR/WEATHER BARRIERS OR VAPOR RETARDERS AS INDIVIDUAL SITUATIONS REQUIRE.

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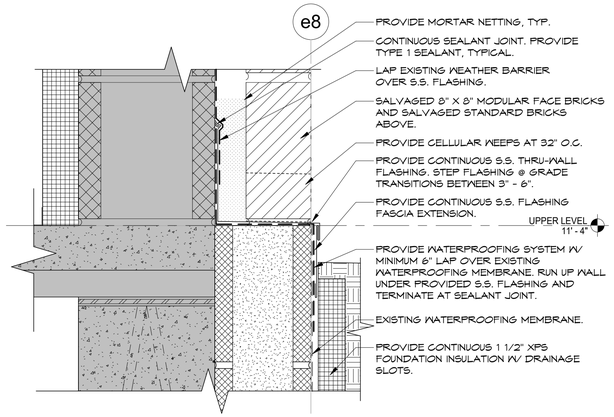
PROJECT NUMBER: 47477-C
DESIGNED BY: GBT/JLP
DRAWN BY: GBT
FIELD CHECK: JLP
APPROVED: DKA

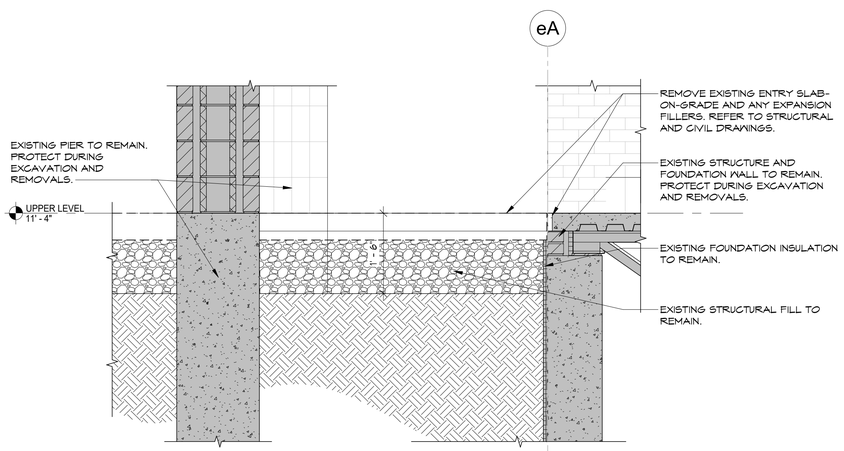
SHEET TITLE:
WINDOW DETAILS

DRAWING NUMBER:
A-610

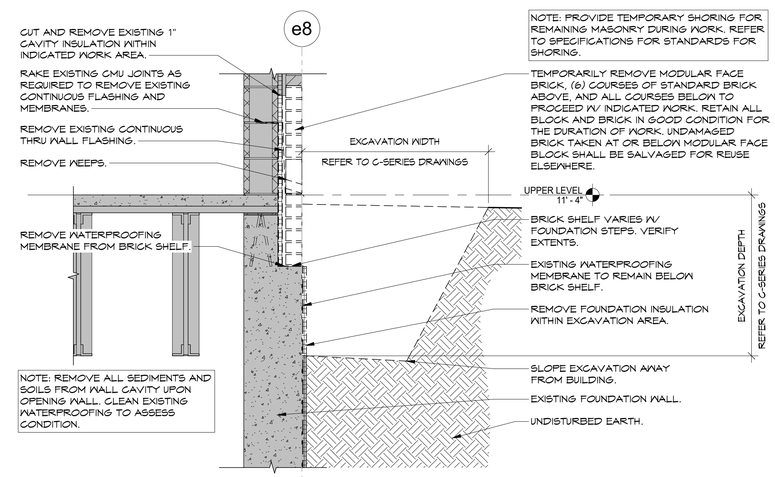
SHEET 90 OF 198



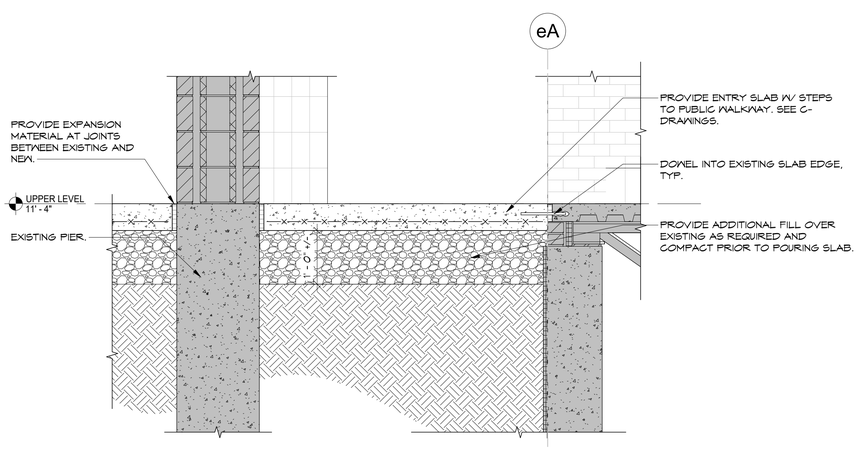
1 FOUNDATION WATERPROOFING AND FLASHING
SCALE : 3" = 1'-0"



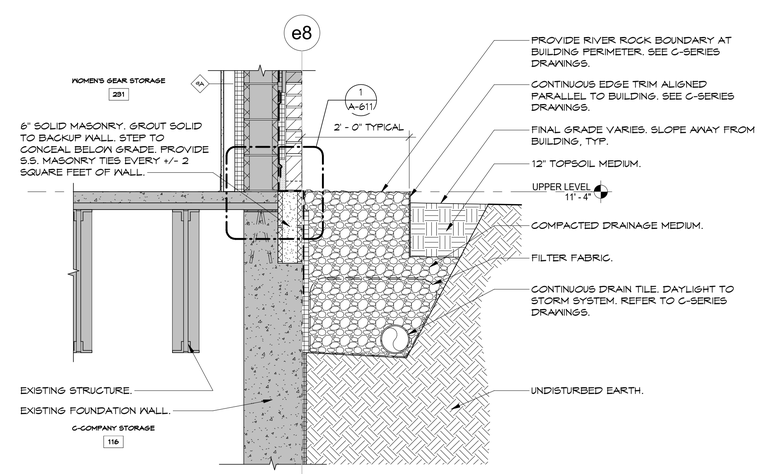
2 ENTRY SLAB REMOVALS AND EXCAVATION
SCALE : 3/4" = 1'-0"



3 REMOVALS - PARTIAL HEIGHT WATERPROOFING
SCALE : 3/4" = 1'-0"



4 ENTRY SLAB AND FOUNDATION WATERPROOFING
SCALE : 3/4" = 1'-0"



5 PARTIAL HEIGHT WATERPROOFING
SCALE : 3/4" = 1'-0"

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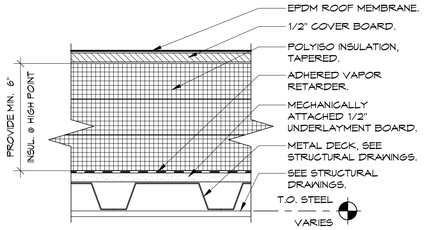
APPROVED:	DKA

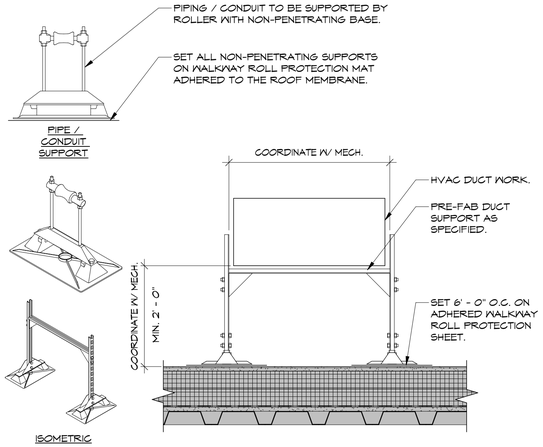
SHEET TITLE:
FOUNDATION SECTIONS AND DETAILS

DRAWING NUMBER:
A-611

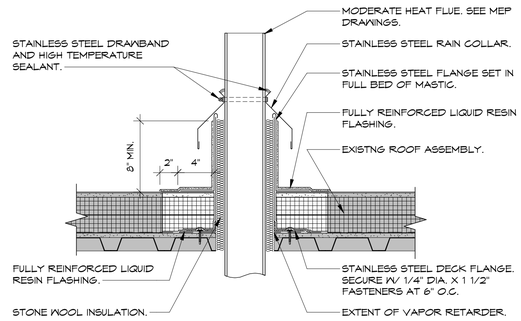
SHEET 91 OF 198



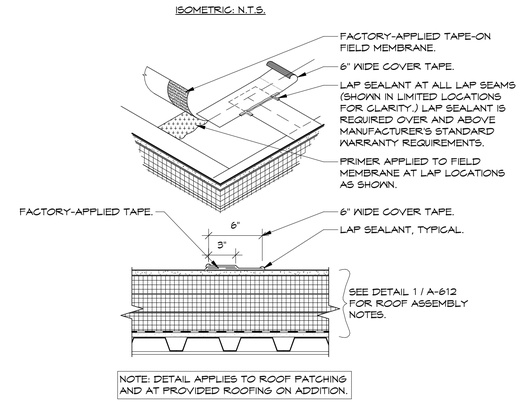
1 TYP. ROOF DETAIL
SCALE : 3" = 1'-0"



BALLASTED HVAC SUPPORT

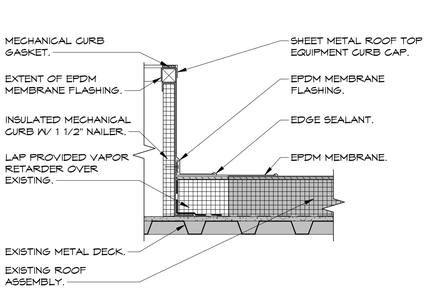


3 PLUMBING VENT DETAIL (HOT)
SCALE : 1 1/2" = 1'-0"

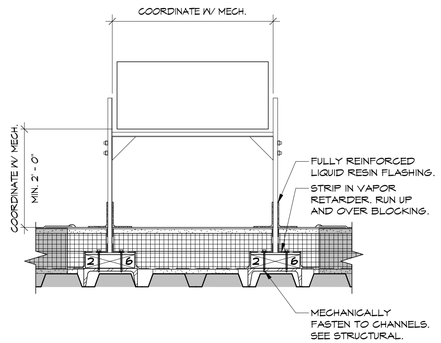


NOTE: DETAIL APPLIES TO ROOF PATCHING AND AT PROVIDED ROOFING ON ADDITION.

4 TYPICAL EPDM MEMBRANE SEAM LAP
SCALE : 1 1/2" = 1'-0"

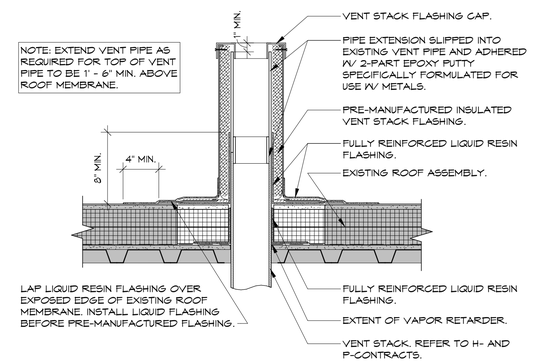


5 ROOF EQUIPMENT CURB
SCALE : 1 1/2" = 1'-0"

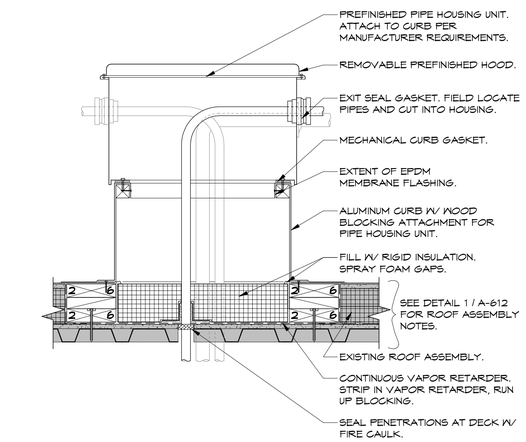


DECK-ANCHORED HVAC SUPPORT

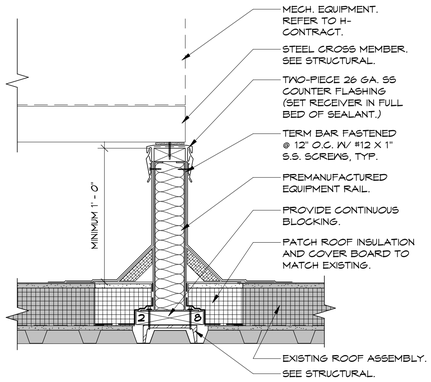
2 MECHANICAL DUCT AND CONDUIT SUPPORT DETAIL
SCALE : 1 1/2" = 1'-0"



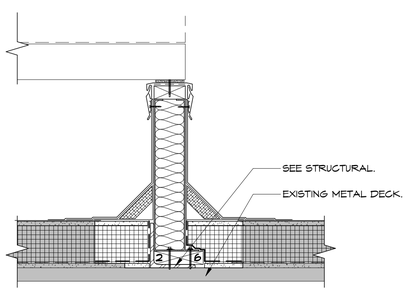
6 PLUMBING VENT DETAIL (COLD)
SCALE : 1 1/2" = 1'-0"



7 THRU-ROOF CONDUIT HOOD DETAIL (MANUF.)
SCALE : 1 1/2" = 1'-0"

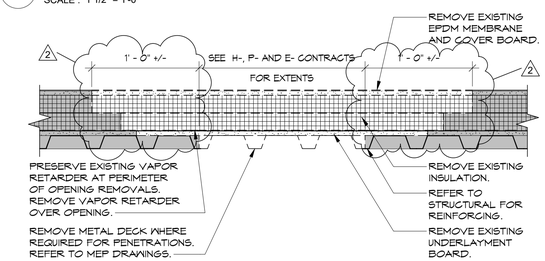


CURB FRAME INSTALLATION PARALLEL TO DECK FLUTES.



CURB FRAME INSTALLATION PERPENDICULAR TO DECK FLUTES.

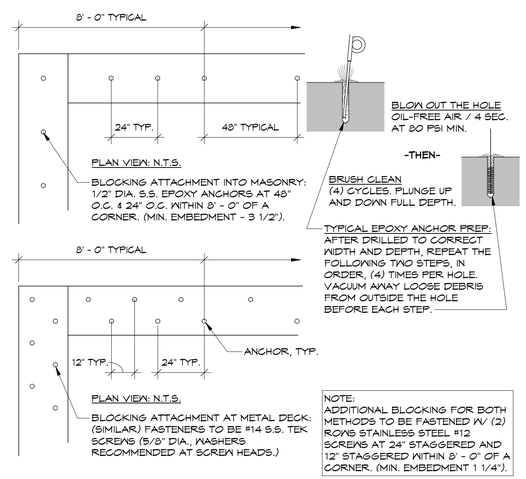
8 EQUIPMENT CURB
SCALE : 1 1/2" = 1'-0"



NOTE: FOR PLACEMENT OF EQUIPMENT CURBS, DECK WILL REMAIN.

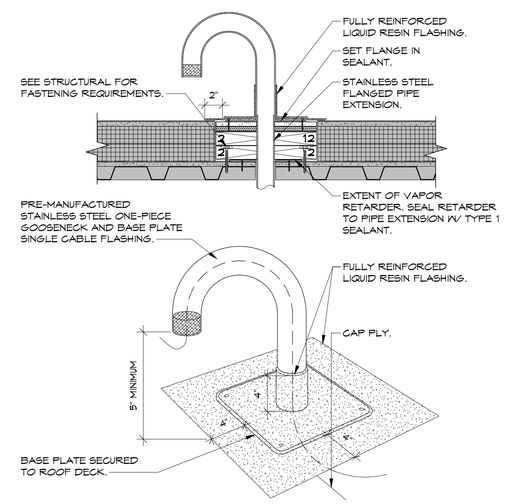
NOTE: REFER TO 5/AD-103, PHOTO 4 FOR EXISTING ROOF CUT.

9 ROOF REMOVALS, TYPICAL
SCALE : 1 1/2" = 1'-0"



NOTE:
ADDITIONAL BLOCKING FOR BOTH METHODS TO BE FASTENED W/ (2) ROWS STAINLESS STEEL #12 SCREWS AT 24" STAGGERED AND 12" STAGGERED WITHIN 8' - 0" OF A CORNER. (MIN. EMBEDMENT 1 1/4").

11 TYPICAL ROOF BLOCKING FASTENING
SCALE : 1 1/2" = 1'-0"



12 TYPICAL GOOSENECK FLASHING DETAIL
SCALE : 1 1/2" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

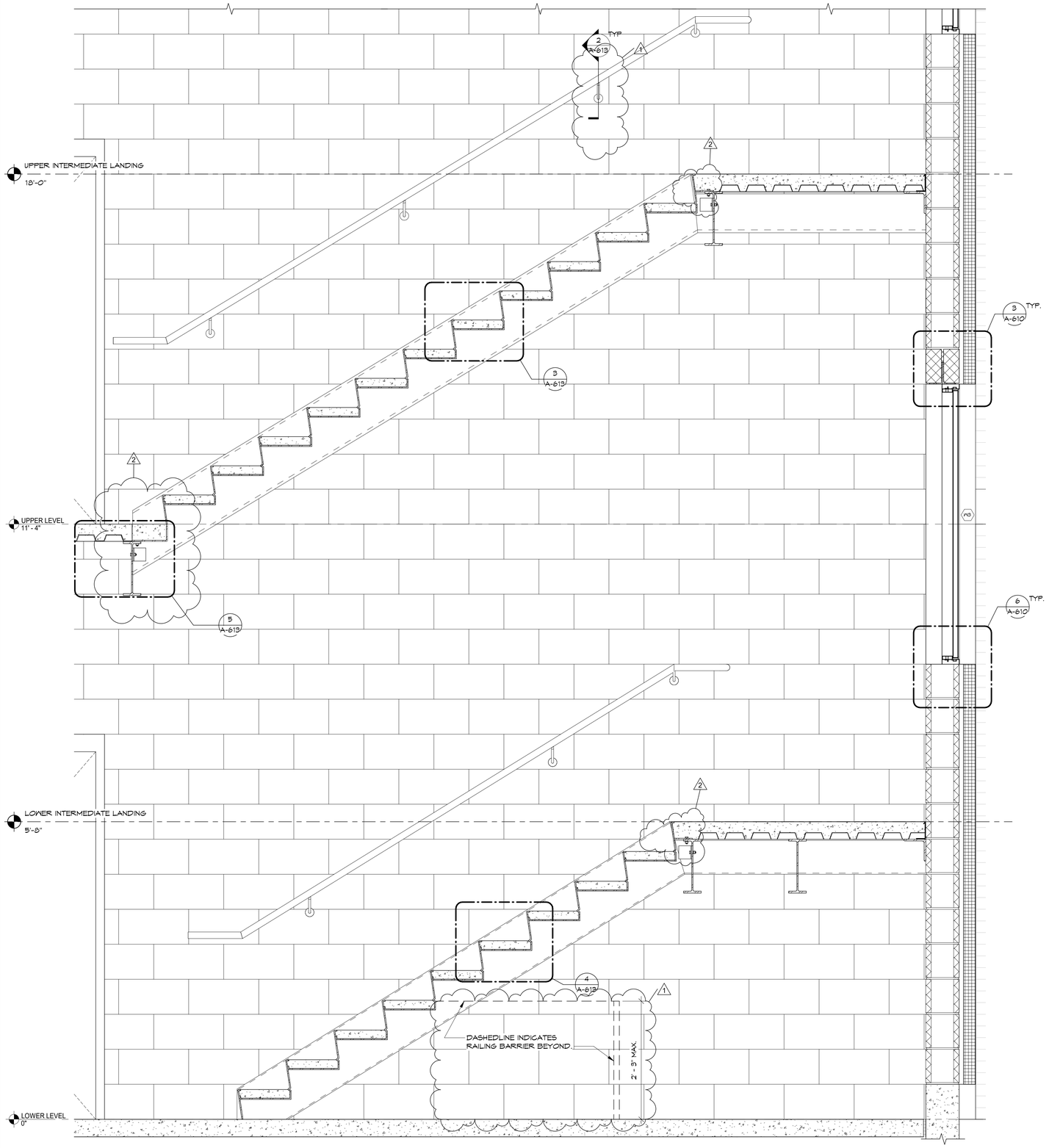
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

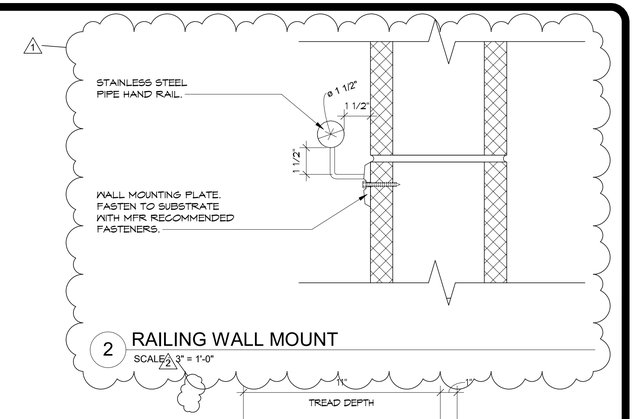
SHEET TITLE:
ROOF DETAILS

DRAWING NUMBER:
A-612

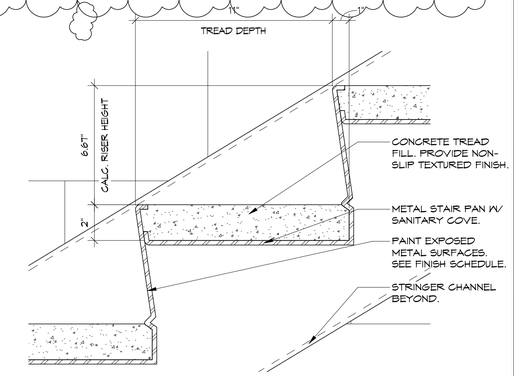
SHEET 92 OF 198



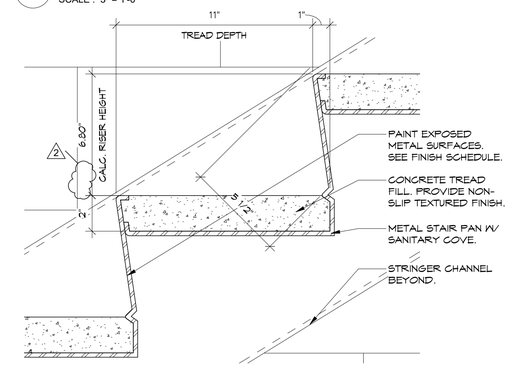
1 ADDITION STAIRS
SCALE : 1" = 1'-0"



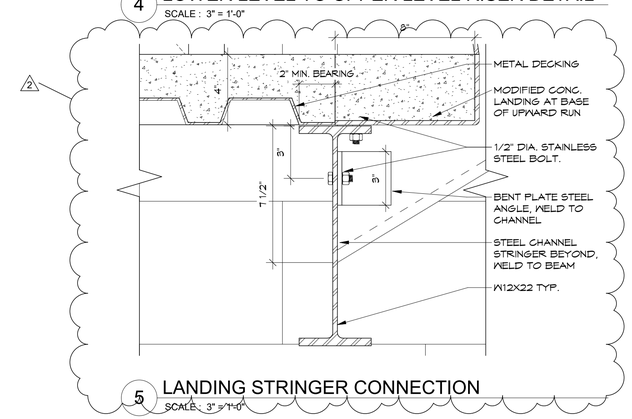
2 RAILING WALL MOUNT
SCALE : 3" = 1'-0"



3 UPPER LEVEL TO ROOF LEVEL RISER DETAIL
SCALE : 3" = 1'-0"



4 LOWER LEVEL TO UPPER LEVEL RISER DETAIL
SCALE : 3" = 1'-0"



5 LANDING STRINGER CONNECTION
SCALE : 3" = 1'-0"

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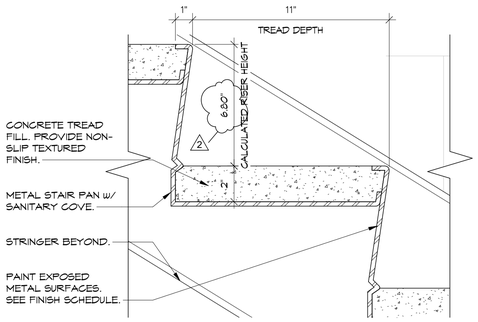
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

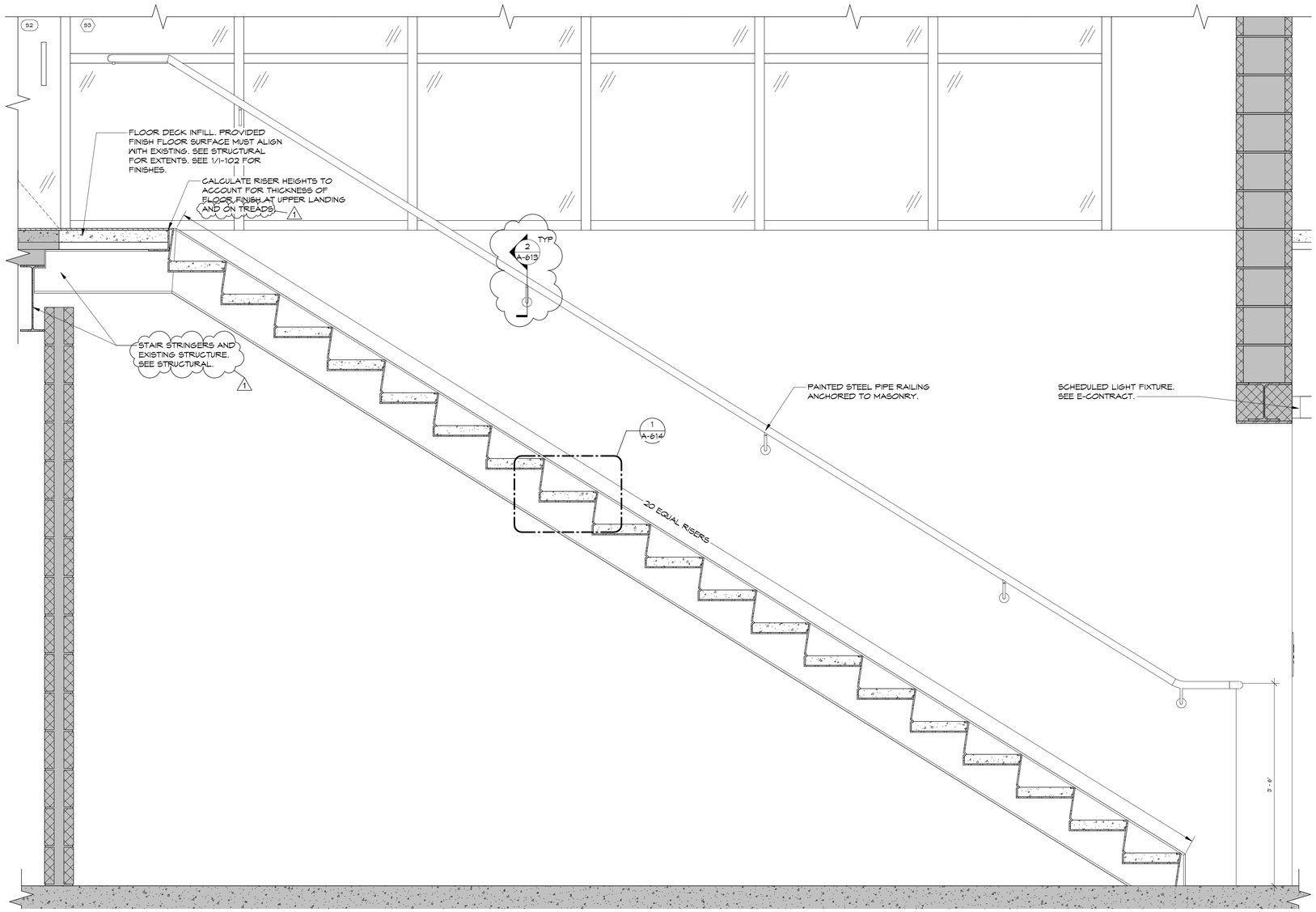
SHEET TITLE:
STAIR DETAILS – ADDITION

DRAWING NUMBER:
A-613

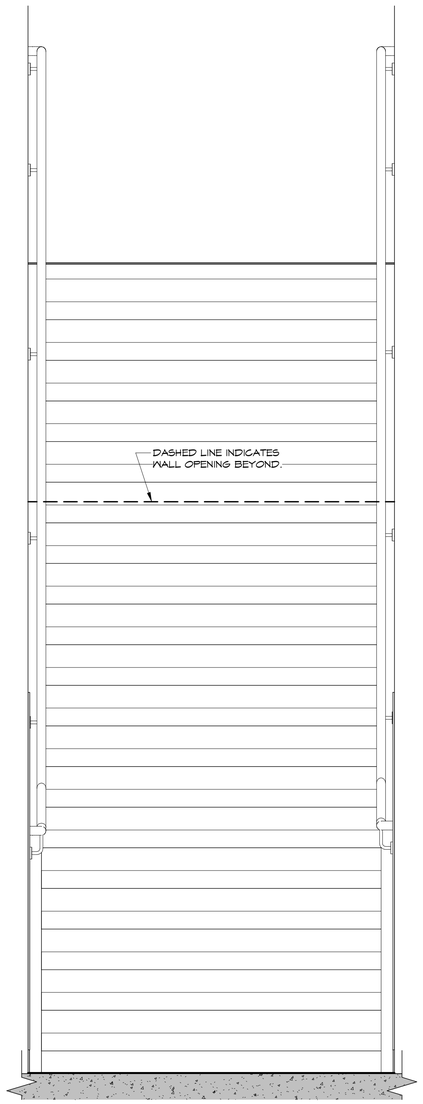
SHEET 93 OF 198



1 RISER DETAIL
SCALE : 3" = 1'-0"



2 LOBBY STAIR S2
SCALE : 1" = 1'-0"



3 LOBBY STAIR S2
SCALE : 1" = 1'-0"

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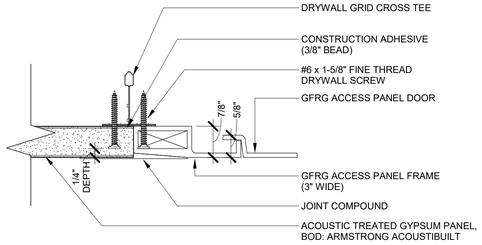
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

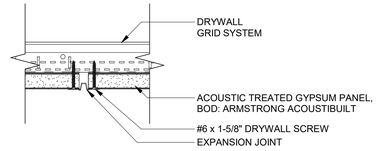
SHEET TITLE:
STAIR DETAILS – LOBBY

DRAWING NUMBER:
A-614

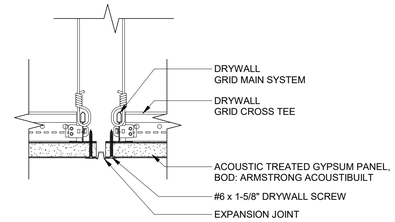
SHEET 94 OF 198



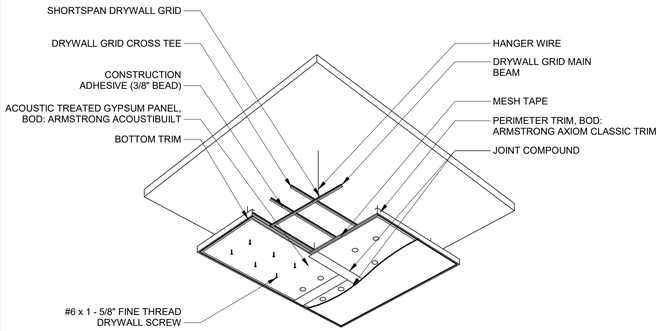
1 TYPICAL GRG SQUARE ACCESS PANEL
SCALE : 6" = 1'-0"



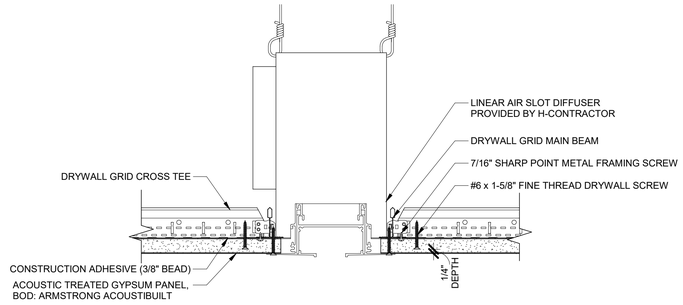
2 TYPICAL ACOUSTIC PANEL CONTROL JOINT
SCALE : 3" = 1'-0"



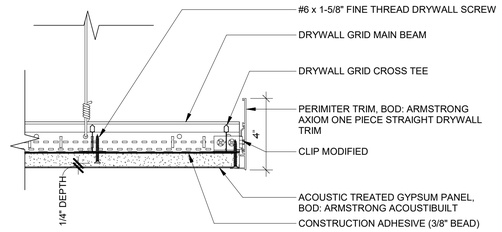
3 TYPICAL ACOUSTIC PANEL EXPANSION JOINT
SCALE : 3" = 1'-0"



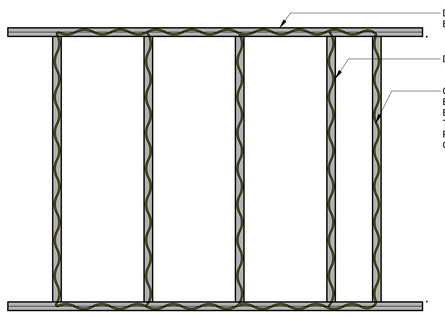
4 TYPICAL ACOUSTICAL CLOUD SYSTEM WITH PERIMETER TRIM
SCALE : 1/4" = 1'-0"



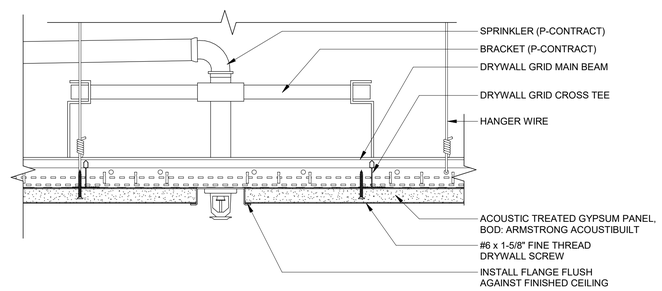
5 TYPICAL ACOUSTIC PANEL WITH TRIMLESS LINEAR HVAC
SCALE : 3" = 1'-0"



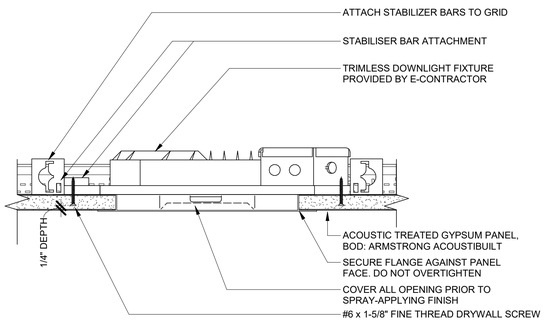
6 TYPICAL DETAIL - ACOUSTIC CLOUD PERIMETER TRIM
SCALE : 3" = 1'-0"



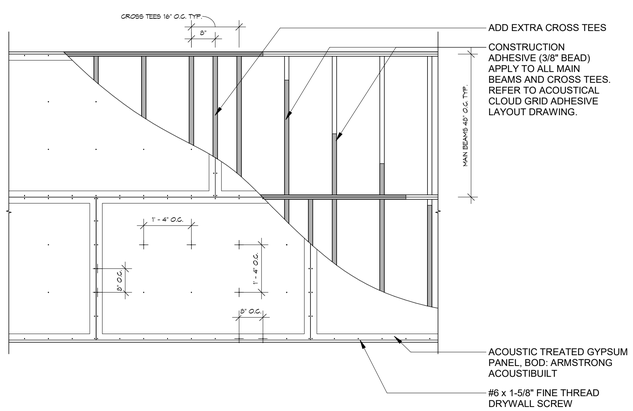
7 TYPICAL ACOUSTICAL CLOUD GRID ADHESIVE LAYOUT
SCALE : 3/4" = 1'-0"



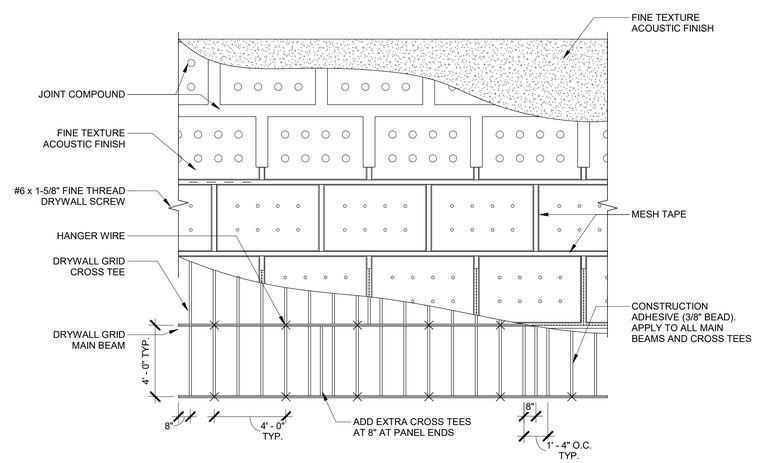
8 TYPICAL ACOUSTIC PANEL WITH SPRINKLER AND BRACKET
SCALE : 3" = 1'-0"



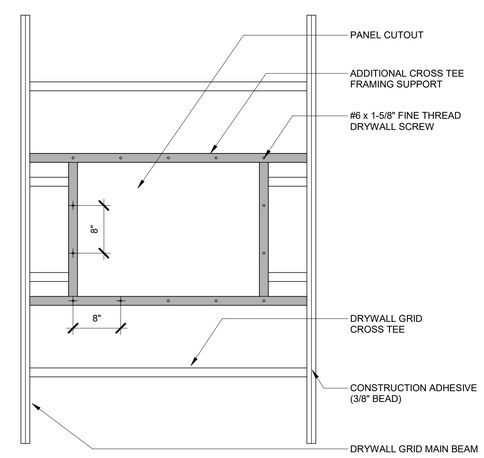
9 TYPICAL ACOUSTIC PANEL WITH TRIMLESS DOWNLIGHT FIXTURE
SCALE : 3" = 1'-0"



10 TYPICAL ACOUSTIC PANEL AND FASTENER LAYOUT
SCALE : 1/2" = 1'-0"



11 TYPICAL ACOUSTIC CLOUD SYSTEM LAYOUT
SCALE : 1/4" = 1'-0"



12 TYPICAL ACOUSTIC PANEL ATTACHMENT AT CUTOUT
SCALE : 1" = 1'-0"

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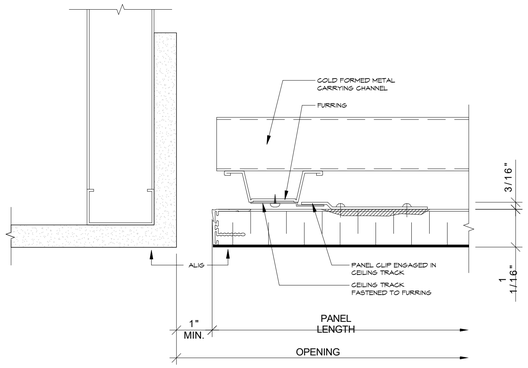
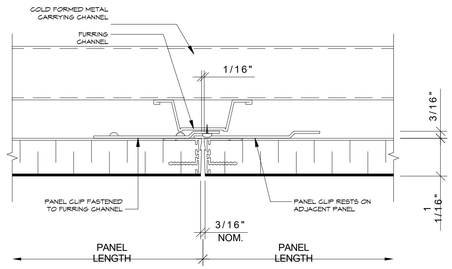
PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
ACOUSTIC CEILING CLOUD SYSTEM TYPICAL DETAILS

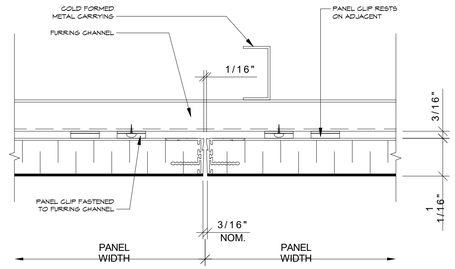
DRAWING NUMBER:
A-615



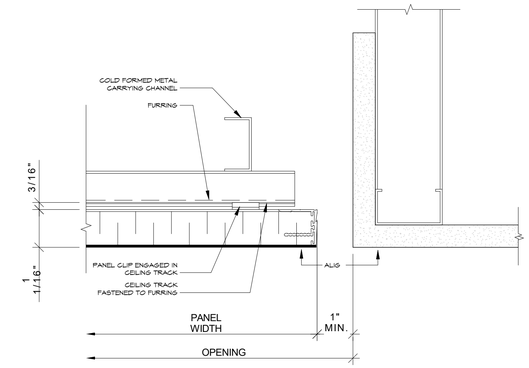
PERIMETER DETAIL



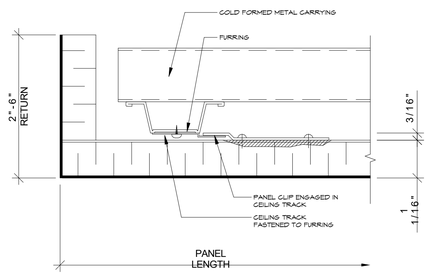
CONTROL JOINT DETAIL



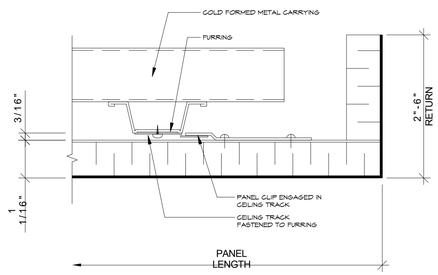
CONTROL JOINT DETAIL



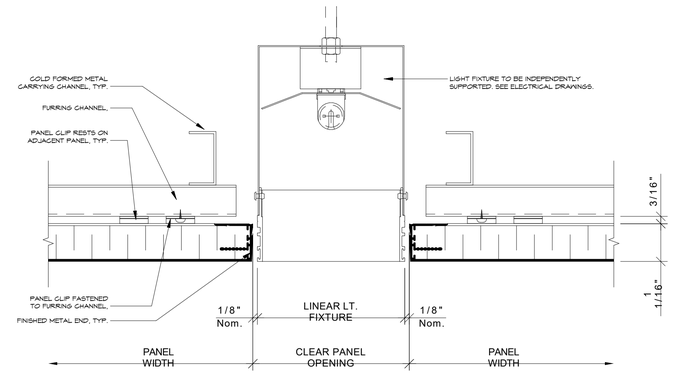
PERIMITER DETAIL



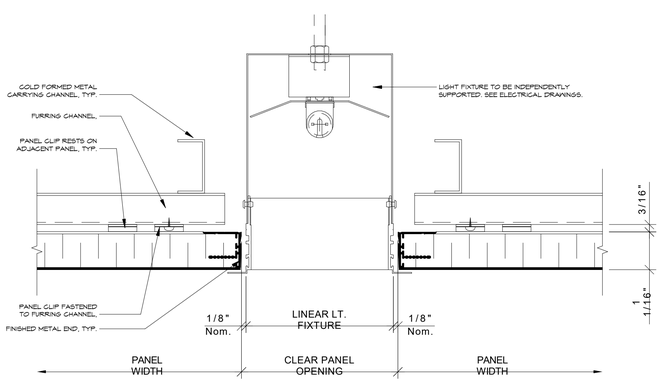
BUILT-UP RETURN



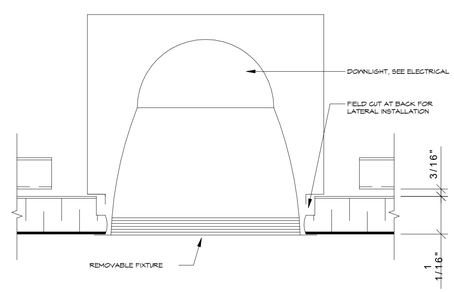
BUILT-UP RETURN



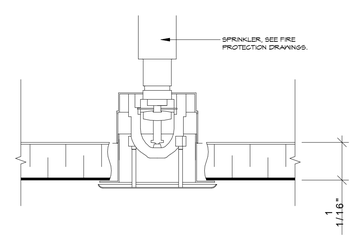
DEATIL AT CEILING SUSPENDED LINEAR LIGHT FIXTURE



DEATIL AT CEILING SUSPENDED LINEAR LIGHT FIXTURE WITH INTEGRAL FLANGE



DETAIL AT DOWN LIGHT



DETAIL AT SPRINKLER HEAD

1 ACOUSTIC CEILING PANEL (APC-1/APC-3) - TYPICAL MOUNTING DETAILS

SCALE : 6" = 1'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

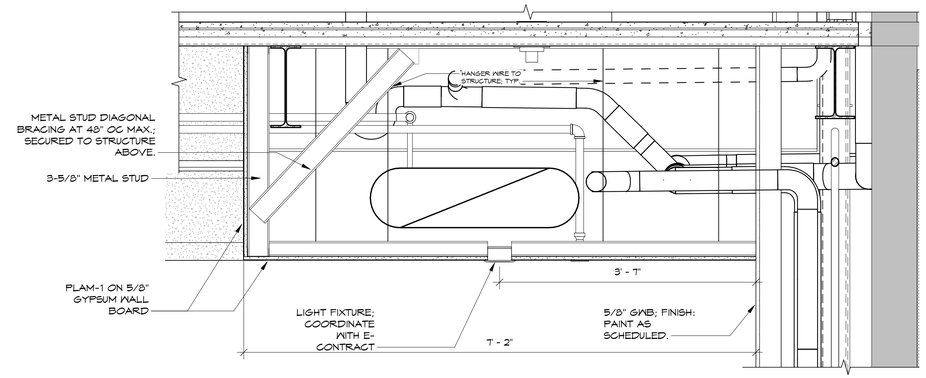
SHEET TITLE:

ACOUSTIC CEILING PANEL TYPICAL MOUNTING DETAILS

DRAWING NUMBER:

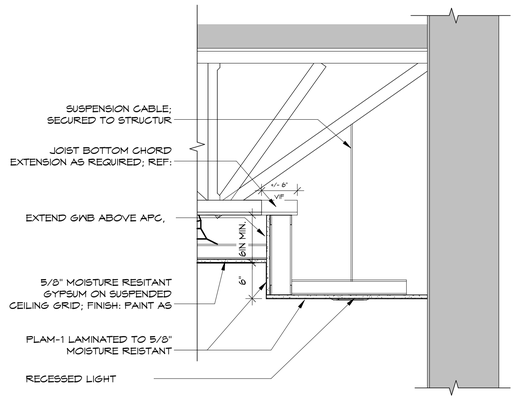
A-616

SHEET 96 OF 198



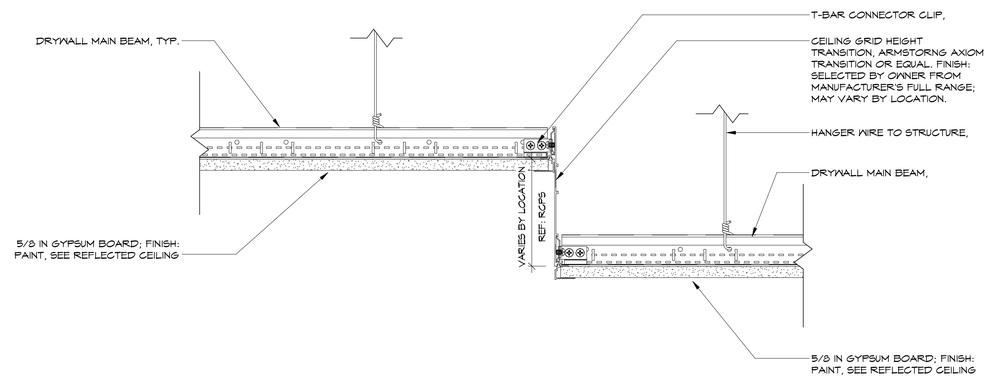
1 SECTION DETAIL AT WOOD VENEER SOFFIT

SCALE : 1" = 1'-0"



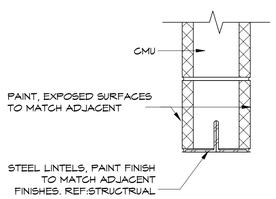
2 SECTION DETAIL AT LATRINE SOFFIT

SCALE : 1" = 1'-0"



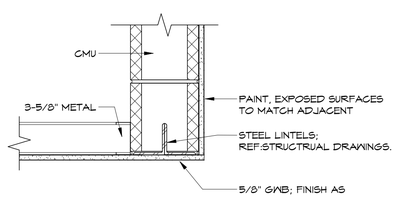
3 TYPICAL DETAIL AXIOM TRANSITION GWB TO GWB

SCALE : 3" = 1'-0"



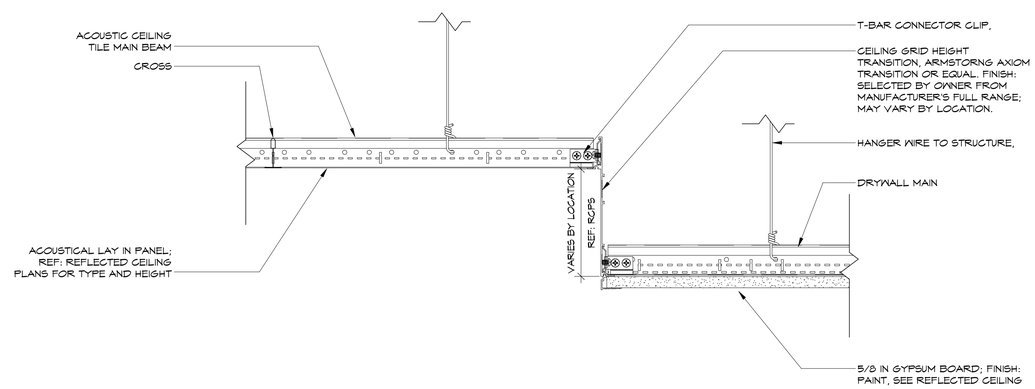
4 TYP SEC DETAIL - CMU WALL OPENING

SCALE : 1 1/2" = 1'-0"



5 TYP SEC DETAIL - CMU WALL OPENING AT GYP CEILINGS

SCALE : 1 1/2" = 1'-0"



6 TYPICAL DETAIL AXIOM TRANSITION APC TO GWB

SCALE : 3" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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2	07/20/2026	PERMIT AMENDMENT / BID SET
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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

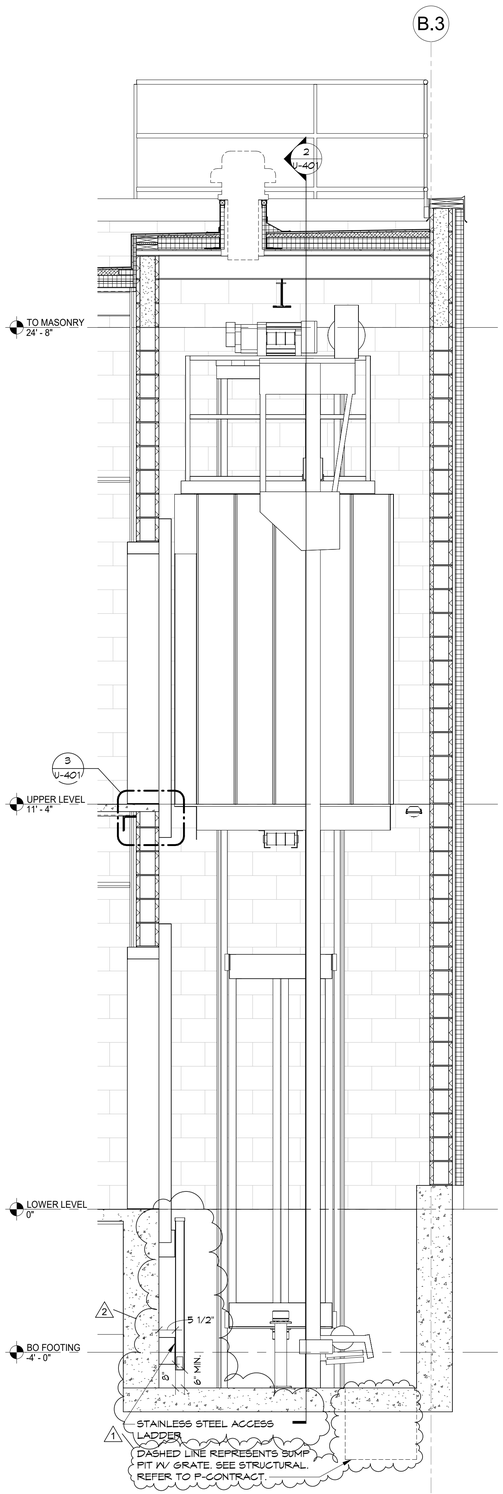
SHEET TITLE:

CEILING DETAILS

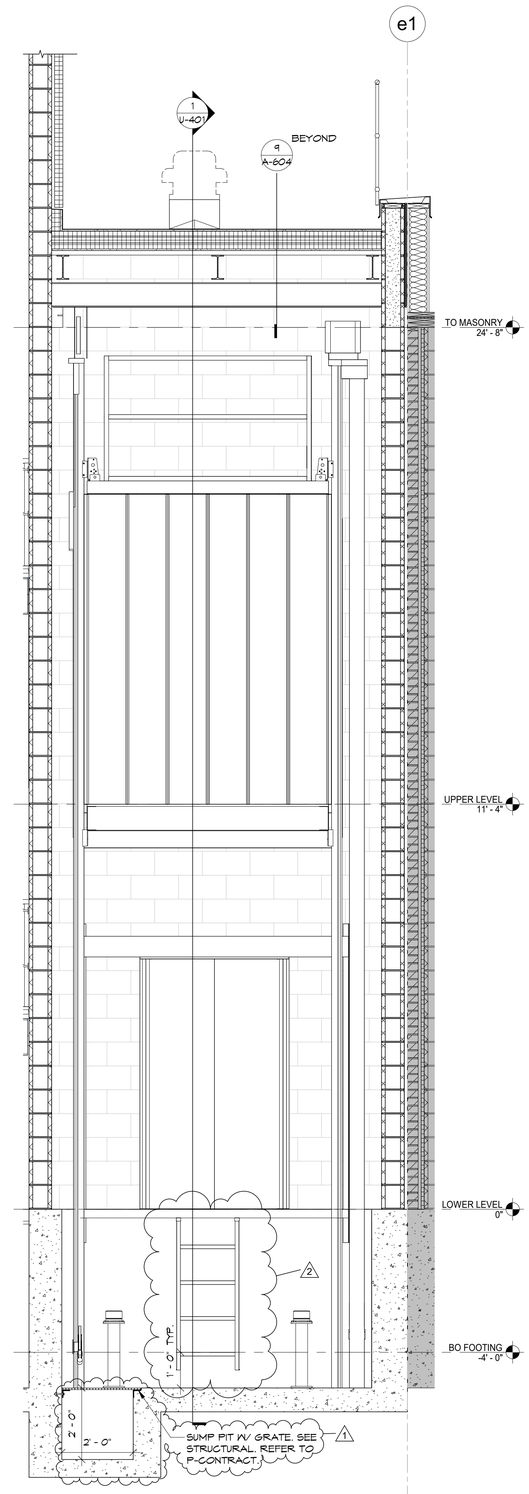
DRAWING NUMBER:

A-617

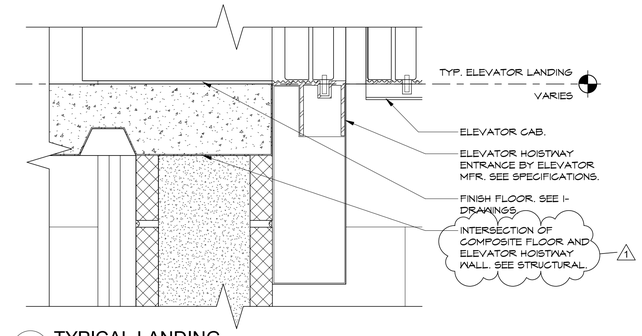
SHEET 97 OF 198



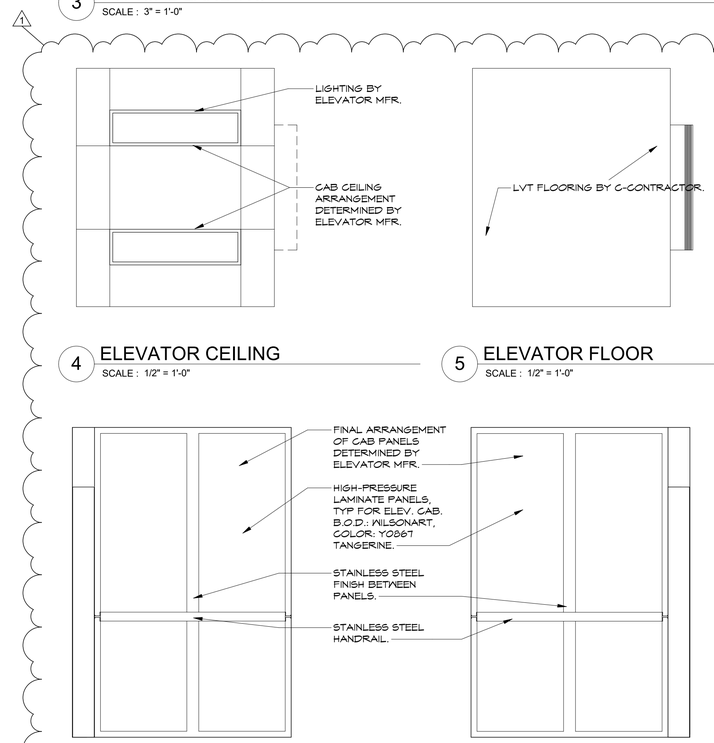
1 HOISTWAY SECTION NORTH-SOUTH
SCALE : 1/2" = 1'-0"



2 HOISTWAY SECTION EAST-WEST
SCALE : 1/2" = 1'-0"



3 TYPICAL LANDING
SCALE : 3" = 1'-0"

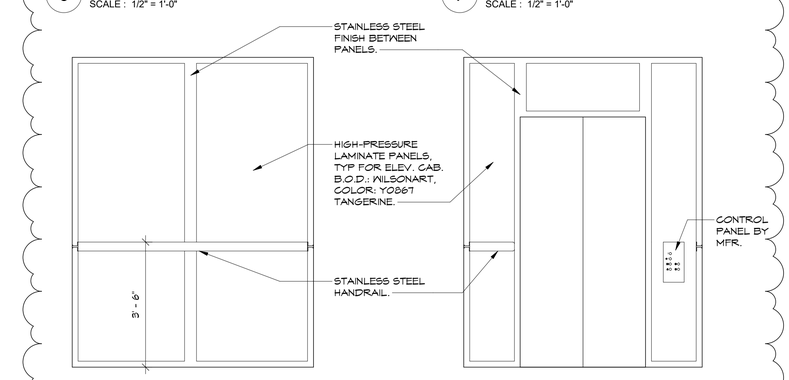


4 ELEVATOR CEILING
SCALE : 1/2" = 1'-0"

5 ELEVATOR FLOOR
SCALE : 1/2" = 1'-0"

6 EAST CAB ELEVATION
SCALE : 1/2" = 1'-0"

7 WEST CAB ELEVATION
SCALE : 1/2" = 1'-0"



8 SOUTH CAB ELEVATION
SCALE : 1/2" = 1'-0"

9 NORTH CAB ELEVATION
SCALE : 1/2" = 1'-0"

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	GBT/JLP
DRAWN BY:	GBT
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
ELEVATOR PLANS, SECTIONS, ELEVATIONS AND DETAILS

DRAWING NUMBER:
U-401

SHEET 98 OF 198

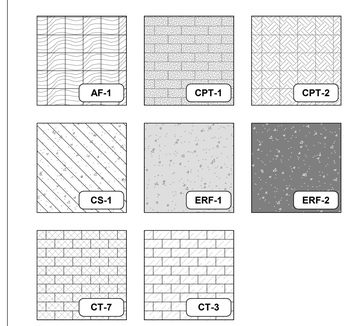
1 LOWER LEVEL FINISH PLAN

SCALE : 1/8" = 1'-0"

GENERAL FLOOR FINISH NOTES

1. **EXISTING CONDITIONS VERIFICATION:** VERIFY EXISTING FLOOR CONDITIONS, SUBSTRATES, AND DRAINAGE SYSTEMS PRIOR TO INSTALLATION. DOCUMENT ANY DISCREPANCIES OR UNDOCUMENTED CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY.
2. **SUBSTRATE PREPARATION:** ENSURE ALL SUBSTRATES ARE CLEAN, DRY, AND FREE OF CONTAMINANTS BEFORE FLOOR FINISH APPLICATION AS REQUIRED BY THE MANUFACTURER. REPAIR OR REPLACE ANY DAMAGED, UNEVEN, OR UNSTABLE SUBSTRATES PRIOR TO FLOORING INSTALLATION.
3. **DRAINAGE AND SLOPE REQUIREMENTS:** CONFIRM EXISTING FLOOR SLOPES AND DRAINAGE PATHWAYS MEET DESIGN SPECIFICATIONS. FOR NEW DRAINS, VERIFY PROPER SLOPE (MINIMUM 1-4% OR AS SPECIFIED) TO ENSURE POSITIVE DRAINAGE. EXISTING DRAINS SHOULD BE INSPECTED FOR BLOCKAGES, DAMAGE, OR IMPROPER INSTALLATION; REPORT FINDINGS.
4. **TRANSITION AND EXPANSION JOINTS:** INCORPORATE CONTROL OR EXPANSION JOINTS AT APPROPRIATE LOCATIONS TO ACCOMMODATE MOVEMENT AND PREVENT CRACKING. INDICATE LOCATIONS OF CONTROL JOINTS IN SHOP DRAWINGS. VERIFY EXISTING JOINT LOCATIONS AND CONDITIONS; MODIFY OR ADD JOINTS AS NECESSARY TO ACCOMMODATE NEW FINISHES.
5. **PROTECTIVE MEASURES DURING INSTALLATION:** PROTECT EXISTING FINISHES AND ADJACENT SURFACES FROM DAMAGE DURING FLOORING INSTALLATION. USE PROPER MASKING, BARRIERS, OR COVERINGS TO PREVENT CONTAMINATION OR DAMAGE.
6. **WATERPROOFING AND MOISTURE BARRIERS:** INSTALL WATERPROOFING OR MOISTURE BARRIERS WHERE REQUIRED, INCLUDING ALL WET AREAS OR BELOW-GRADE INSTALLATIONS. VERIFY EXISTING WATERPROOFING SYSTEMS ARE INTACT AND FUNCTIONING; REPAIR IF NECESSARY.
7. **TESTING AND INSPECTION:** CONDUCT MOISTURE TESTING, ADHESION TESTS, AND OTHER RELEVANT INSPECTIONS PRIOR TO FINAL INSTALLATION. DOCUMENT AND ADDRESS ANY DEFICIENCIES BEFORE PROCEEDING.
8. **COORDINATION WITH OTHER TRADES:** COORDINATE WITH MECHANICAL ELECTRICAL, PLUMBING CONTRACTORS, AND OTHER IMPACTED TRADES FOR INTEGRATION OF FLOOR FINISHES WITH EXISTING AND NEW FIXTURES.

FLOOR FINISH LEGEND



FINISH SYMBOLS LEGEND

CPT-10	MATERIAL TYPE TAG; REFER TO FINISH MATERIAL LEGEND
CPT-10 / ERF-1	FLOOR TRANSITION; SEE FLOOR TRANSITION DETAILS
CG-1	CORNER GUARD; REFER TO FINISH MATERIAL LEGEND

FLOOR TRANSITION LEGEND

TR-1	EXISTING (VIF) TO EPOXY RESIN
TR-2	RUBBER ATHLETIC TILE TO EPOXY RESIN
TR-3	CERAMIC/ PORCELIAN TILE TO EPOXY RESIN
TR-4	EPOXY RESIN TO EPOXY RESIN (CONTROL JOINT)
TR-5	CARPET TO SEALED CONCRETE
TR-6	CERAMIC TILE TO WALK OFF CARPET
TR-7	CERAMIC TILE TO CARPET
TR-8	CARPET TO CARPET
TR-9	CARPET TO EPOXY RESIN
TR-10	CERAMIC TILE TO EPOXY RESIN (LATRINES)

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**

DESIGNED BY: LS

DRAWN BY: LS

FIELD CHECK: JLP

APPROVED: DKA

SHEET TITLE:

LOWER LEVEL FLOOR FINISH PLAN

DRAWING NUMBER:

I-101

SHEET 99 OF 198

1 UPPER LEVEL FINISH PLAN

SCALE : 1/8" = 1'-0"

GENERAL FLOOR FINISH NOTES

1. **EXISTING CONDITIONS VERIFICATION:** VERIFY EXISTING FLOOR CONDITIONS, SUBSTRATES, AND DRAINAGE SYSTEMS PRIOR TO INSTALLATION. DOCUMENT ANY DISCREPANCIES OR UNDOCUMENTED CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY.
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4. **TRANSITION AND EXPANSION JOINTS:** INCORPORATE CONTROL OR EXPANSION JOINTS AT APPROPRIATE LOCATIONS TO ACCOMMODATE MOVEMENT AND PREVENT CRACKING. INDICATE LOCATIONS OF CONTROL JOINTS IN SHOP DRAWINGS. VERIFY EXISTING JOINT LOCATIONS AND CONDITIONS; MODIFY OR ADD JOINTS AS NECESSARY TO ACCOMMODATE NEW FINISHES.
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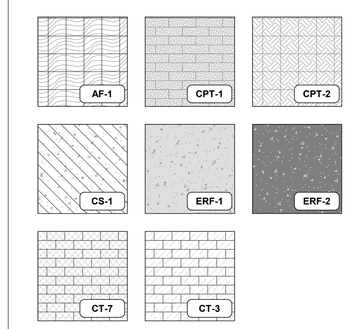
7. **TESTING AND INSPECTION:** CONDUCT MOISTURE TESTING, ADHESION TESTS, AND OTHER RELEVANT INSPECTIONS PRIOR TO FINAL INSTALLATION. DOCUMENT AND ADDRESS ANY DEFICIENCIES BEFORE PROCEEDING.
8. **COORDINATION WITH OTHER TRADES:** COORDINATE WITH MECHANICAL ELECTRICAL, PLUMBING CONTRACTORS, AND OTHER IMPACTED TRADES FOR INTEGRATION OF FLOOR FINISHES WITH EXISTING AND NEW FIXTURES.

FLOOR FINISH LEGEND



FINISH SYMBOLS LEGEND

CPT-10	MATERIAL TYPE TAG; REFER TO FINISH MATERIAL LEGEND
CPT-10 / ERF-1	FLOOR TRANSITION; SEE FLOOR TRANSITION DETAILS
CG-1	CORNER GUARD; REFER TO FINISH MATERIAL LEGEND

FLOOR TRANSITION LEGEND

TR-1	EXISTING (VIF) TO EPOXY RESIN
TR-2	RUBBER ATHLETIC TILE TO EPOXY RESIN
TR-3	CERAMIC/ PORCELIAN TILE TO EPOXY RESIN
TR-4	EPOXY RESIN TO EPOXY RESIN (CONTROL JOINT)
TR-5	CARPET TO SEALED CONCRETE
TR-6	CERAMIC TILE TO WALK OFF CARPET
TR-7	CERAMIC TILE TO CARPET
TR-8	CARPET TO CARPET
TR-9	CARPET TO EPOXY RESIN
TR-10	CERAMIC TILE TO EPOXY RESIN (LATRINES)

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK

REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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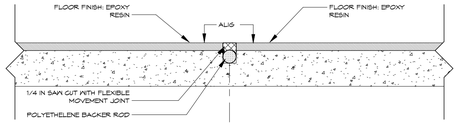
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS
FIELD CHECK:	JLP
APPROVED:	DKA

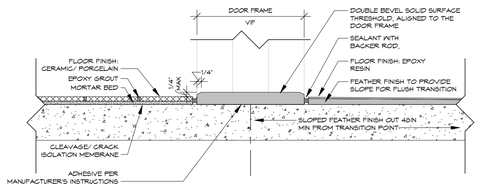
SHEET TITLE:
UPPER LEVEL FLOOR FINISH PLAN

DRAWING NUMBER:
I-102

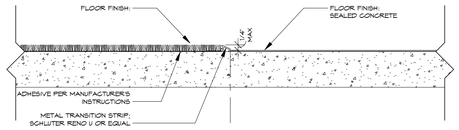
SHEET 100 OF 198



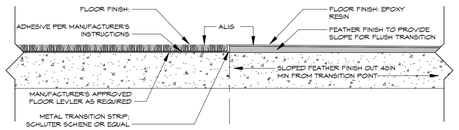
11 TR-11 EPOXY RESIN TO EPOXY RESIN (MOVEMENT JOINT)
SCALE : 3" = 1'-0"



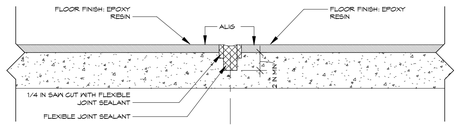
10 TR-10 CERAMIC TILE TO EPOXY RESIN (LATRINES)
SCALE : 3" = 1'-0"



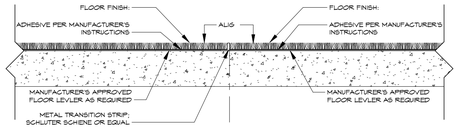
5 TR-5 CARPET TO SEALED CONCRETE
SCALE : 3" = 1'-0"



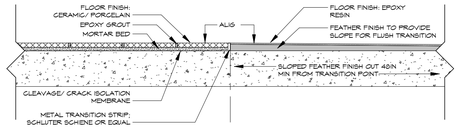
9 TR-9 CARPET TO EPOXY RESIN
SCALE : 3" = 1'-0"



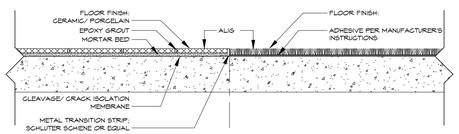
4 TR-4 EPOXY RESIN TO EPOXY RESIN (CONTROL JOINT)
SCALE : 3" = 1'-0"



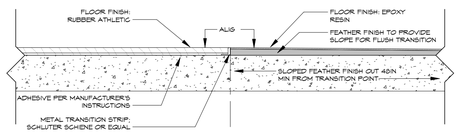
8 TR-8 CARPET TO CARPET
SCALE : 3" = 1'-0"



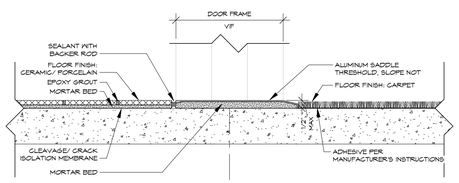
3 TR-3 CERAMIC/ PORCELAIN TILE TO EPOXY RESIN
SCALE : 3" = 1'-0"



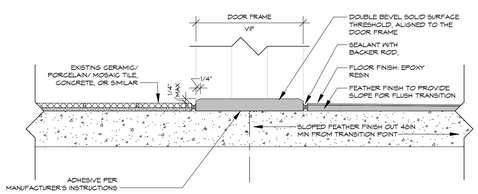
7 TR-7 CERAMIC TILE TO CARPET
SCALE : 3" = 1'-0"



1 TR-2 RUBBER ATHLETIC TILE TO EPOXY RESIN
SCALE : 3" = 1'-0"



6 TR-6 CERAMIC TILE TO WALK OFF CARPET
SCALE : 3" = 1'-0"



2 TR-1 EXISTING TO EPOXY RESIN
SCALE : 3" = 1'-0"

GENERAL FINISH AND SURFACE TREATMENT NOTES

1. **SCOPE AND INTENT:** THESE NOTES SPECIFY THE GENERAL REQUIREMENTS FOR FINISHES AND SURFACE TREATMENTS ACROSS THE PROJECT SCOPE AS OUTLINED IN THE CONTRACT DOCUMENTS. THEY ARE INTENDED TO CLARIFY EXPECTATIONS AND ENSURE CONSISTENCY THROUGHOUT THE WORK.
2. **FINISH SCHEDULE SCOPE AND LIMITATIONS:** THE PROVIDED ROOM FINISH SCHEDULE OFFERS A BROAD OVERVIEW OF DESIRED FINISHES FOR EACH SPACE AND SERVES AS A SUMMARY RATHER THAN AN EXHAUSTIVE LIST. ADDITIONAL FINISH DETAILS, SPECIFICATIONS, OR CLARIFICATIONS MAY BE PRESENT THROUGHOUT THE CONSTRUCTION DOCUMENTS. ALL SUCH INFORMATION SHOULD BE REVIEWED CAREFULLY TO ENSURE COMPREHENSIVE UNDERSTANDING OF THE FINISH SCOPE.
3. **CONSISTENCY AND MATCHING FINISHES:** ALL EXPOSED AND SEMI-EXPOSED SURFACES SHALL BE FINISHED TO MATCH ADJACENT OR SIMILAR SURFACES WITHIN THE PROJECT, EVEN IF NOT EXPLICITLY INDICATED IN THE DRAWINGS. WHEN SPECIFIC FINISHES ARE NOT DETAILED, THE FINISHES SHALL BE CONSISTENT WITH SURROUNDING SURFACES TO MAINTAIN VISUAL HARMONY.
4. **MANUFACTURER AND FINISH SELECTION:** FINISH COLORS AND TEXTURES INDICATED ARE BASED ON THE DESIGNATED MANUFACTURER (BASIS-OF-DESIGN). APPROVED SUBSTITUTIONS MUST MATCH THE ORIGINAL IN COLOR AND TEXTURE, INCLUDING CUSTOM FINISHES, AT NO ADDITIONAL COST. WHEN NO SPECIFIC COLOR OR TEXTURE IS INDICATED, SELECTIONS SHALL BE MADE FROM THE FULL RANGE OF OPTIONS AVAILABLE FROM THE DESIGNATED MANUFACTURER.
5. **SUBSTITUTIONS AND VARIATIONS:** ANY APPROVED SUBSTITUTE FINISHES SHALL MATCH THE ORIGINAL IN APPEARANCE, INCLUDING CUSTOM OPTIONS, TO ENSURE CONSISTENCY ACROSS THE PROJECT. SUBSTITUTES SHALL BE PROVIDED IN ACCORDANCE WITH THE FULL RANGE OF OPTIONS FROM BOTH THE ORIGINAL AND SUBSTITUTE MANUFACTURERS, ENSURING A SEAMLESS MATCH.
6. **SURFACE PREPARATION:** ALL SURFACES TO RECEIVE FINISHES MUST BE PREPARED IN ACCORDANCE WITH REVIEWED SUBMITTALS, MANUFACTURER INSTRUCTIONS, INDUSTRY STANDARDS, AND PROJECT SPECIFICATIONS, UNLESS DIRECTED OTHERWISE. PROPER SURFACE PREPARATION IS ESSENTIAL TO ACHIEVE THE DESIRED FINISH QUALITY AND DURABILITY.
7. **PAINTING AND FINISHING:** WALLS, DOORS, FRAMES, STRUCTURAL STEEL, EXPOSED METALS, AND OTHER SURFACES IMPACTED BY THE WORK SHOULD BE PAINTED UNLESS SPECIFICALLY NOTED OTHERWISE. SPECIFIC AREAS REQUIRING PAINTING INCLUDE: WALLS AFFECTED BY THE WORK , DOORS AND FRAMES IMPACTED BY THE SCOPE, EXPOSED OR SEMI-EXPOSED STEEL STAIRS, RAILINGS, STRUCTURAL ELEMENTS, AND MISCELLANEOUS METALS, WOODEN BACKERS, FILLERS, SPACERS, AND COMPONENTS RELATED TO EQUIPMENT OR ACCESSORIES, UNFINISHED PIPING, CONDUITS, JUNCTION BOXES, AND SIMILAR ELEMENTS, ACCESS DOORS, HVAC GRILLES, AND REGISTERS IN CONTRASTING COLORS.
8. **FINISH CONTINUITY AND EXTENSION:** FINISH MATERIALS, INCLUDING FLOORING, BASE TRIMS, AND WALL FINISHES, SHALL EXTEND INTO ADJOINING SPACES SUCH AS CLOSETS, ALCOVES, AND ANCILLARY AREAS UNLESS OTHERWISE SPECIFIED.FLOOR FINISHES SHALL CONTINUE UNDERNEATH OPEN CASEWORK, MILLWORK, AND COUNTERS FOR A SEAMLESS APPEARANCE.
9. **FLOOR FINISHES AND TRANSITIONS:** FLOOR FINISHES SHOULD TRANSITION SMOOTHLY AT DOOR THRESHOLDS, WITH THE HIGH SIDE ALIGNED AT THE FACE OF THE DOOR FRAME STOPS. FOR TRANSITIONS BETWEEN DIFFERENT MATERIALS, INSTALL THE HIGH SIDE AT THE FACE OF THE DOOR AT THE FRAME STOPS. CONFIRM TRANSITIONAL DETAILS WITH THE ARCHITECT PRIOR TO INSTALLATION.
10. **EDGE AND FINISH DETAILS:** WHEN FINISHES TERMINATE WITH AN EXPOSED EDGE, PROVIDE A PRE-FINISHED EDGE, TRIM, TRANSITION, OR OTHER ARCHITECT-APPROVED DETAIL TO ENSURE A CLEAN AND PROFESSIONAL APPEARANCE.
11. **WINDOW AND COUNTERTOP FINISHES:** ALL INSTALLED WINDOWS SHALL INCLUDE FINISHED WINDOW STOOLS IN THE COLOR SELECTED BY THE ARCHITECT UNLESS OTHERWISE SPECIFIED. COUNTERTOP FINISHES NOT SPECIFIED SHOULD BE PROVIDED IN A STANDARD COLOR SELECTED BY THE ARCHITECT, WITH SEALANTS APPLIED WHERE COUNTERTOPS MEET OTHER SURFACES AFTER PAINTING.
12. **FINISH PLACEMENT AND SPECIAL CONDITIONS:** VERIFY THE PLACEMENT OF SPECIALIZED FINISHES SUCH AS ACCENT WALLS, FEATURE PANELS, OR FINISHES IN SPACES WITH UNIQUE CONDITIONS. CONFIRM THE LOCATION OF SIGNAGE, SPECIALTY FINISHES, OR FINISHES IN SPACES WITH SPECIFIC REQUIREMENTS.
13. **HANDLING CONFLICTS AND UNSPECIFIED FINISHES:** IN CASES WHERE CONFLICTS EXIST WITHIN THE CONTRACT DOCUMENTS OR FINISHES ARE NOT SPECIFIED FOR NEW ELEMENTS, CLARIFY THE INTENDED FINISH WITH THE ARCHITECT BEFORE PROCEEDING.
14. **WALL MOUNTING AND ANCHORING REQUIREMENTS:** ALL WALL-MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO TVS, CASEWORK, MILLWORK, HARDWARE, MIRRORS, AND OTHER FIXTURES, SHALL BE SECURELY ANCHORED TO IN-WALL SUPPORTS SUCH AS METAL STRAPPING, PLYWOOD, OR LUMBER BLOCKING INSTALLED BETWEEN STUD FRAMING, UNLESS OTHERWISE NOTED. PROPER COORDINATION WITH

ABBREVIATIONS INTERIORS

ACT	ACOUSTIC CEILING TILE
AF	ATHLETIC FLOORING
AFF	ABOVE FINISHED FLOOR
BCS	BABY CHANGING STATION
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CONC	CONCRETE
COORD	COORDINATE, COORDINATION
CPT	CARPET
CS	CONCRETE SEALER
DCS	DIAPER CHANGING STATION
DF	DRINKING FOUNTAIN
DW	DISH WASHER
EHND	ELECTRIC HAND DRYER
ERF	EPOXY RESIN FLOORING
EXIST	EXISTING
FAB	FABRIC
FD	FLOOR DRAIN
FURN	FURNITURE
GB	GRAB BAR
GR	GRAPHIC
HSD	HAND SANITIZER DISPENSER
MB	MARKER BOARD
MDF	MEDIUM DENSITY FIBERBOARD
N/A	NOT APPLICABLE

ABBREVIATIONS INTERIORS

NIC	NOT IN CONTRACT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
PC	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PT	PAINT
PTD	PAPER TOWEL DISPENSER
RB	RESILIENT BASE
REF	REFRIGERATOR
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SS	SOLID SURFACE
T	TILE
TB	TILE BASE
TTD	TOILET TISSUE DISPENSER
TYP	TYPICAL
UR	URINAL
VIF	VERIFY IN FIELD
WB	WOOD BASE
WC	WALL COVERING OR WATER CLOSET
WD	WOOD
WV	WOOD VENEER

FINISH SYMBOLS LEGEND

CPT-10	MATERIAL TYPE TAG; REFER TO FINISH MATERIAL LEGEND
CPT-10 / ERF-1	FLOOR TRANSITION; SEE FLOOR TRANSITION DETAILS
CG-1	CORNER GUARD; REFER TO FINISH MATERIAL LEGEND

FLOOR TRANSITION LEGEND

TR-1	EXISTING (VIF) TO EPOXY RESIN
TR-2	RUBBER ATHLETIC TILE TO EPOXY RESIN
TR-3	CERAMIC/ PORCELIAN TILE TO EPOXY RESIN
TR-4	EPOXY RESIN TO EPOXY RESIN (CONTROL JOINT)
TR-5	CARPET TO SEALED CONCRETE
TR-6	CERAMIC TILE TO WALK OFF CARPET
TR-7	CERAMIC TILE TO CARPET
TR-8	CARPET TO CARPET
TR-9	CARPET TO EPOXY RESIN
TR-10	CERAMIC TILE TO EPOXY RESIN (LATRINES)

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REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

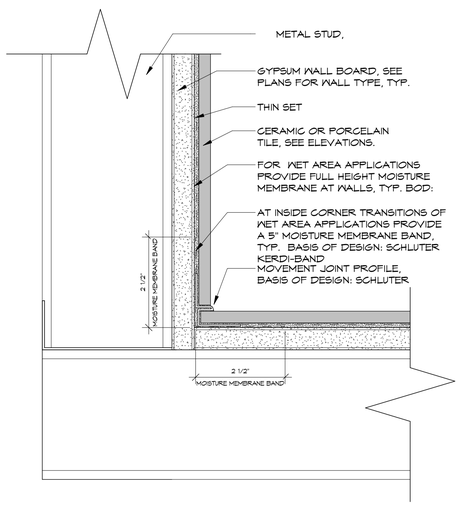
PROJECT NUMBER: **47477-C**

DESIGNED BY:	LS
DRAWN BY:	LS
FIELD CHECK:	JLP
APPROVED:	DKA

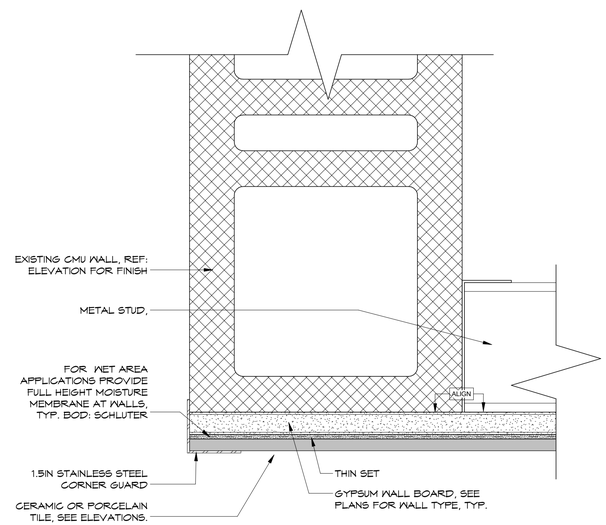
SHEET TITLE:
INTERIORS SYMBOLS, ABBREVIATIONS, DETAILS & NOTES

DRAWING NUMBER:
I-600

SHEET 101 OF 198



2 TYPICAL DETAIL - WALL TILE AT INSIDE CORNER
SCALE : 6" = 1'-0"



1 TYPICAL DETAIL - WALL TILE AT OUTSIDE CORNER TERMINATION
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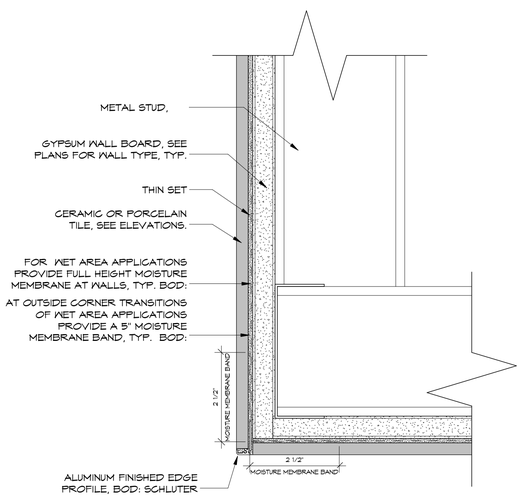

6 TYPICAL DETAIL - WALL TILE AT OUTSIDE CORNER
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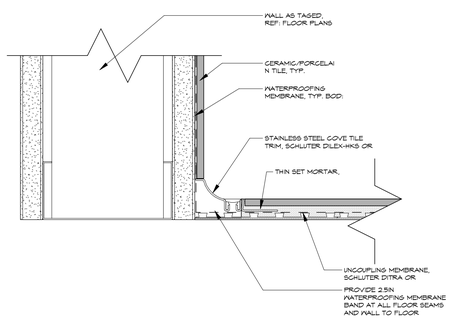
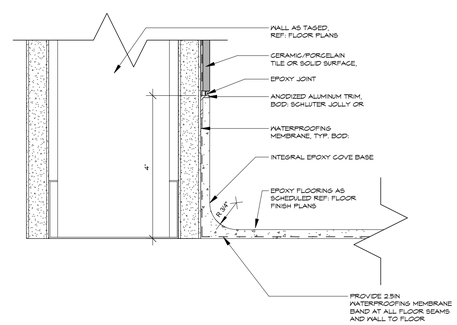
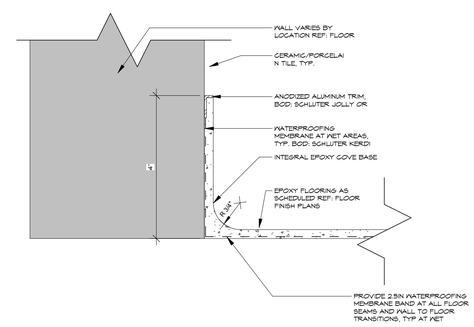


3 TYP DETAIL - WALL TO FLOOR TILE TRANSITION
SCALE : 6" = 1'-0"



4 TYP DETAIL - WALL TILE TO EPOXY COVE BASE TRANSITION
SCALE : 6" = 1'-0"



5 TYP DETAIL - EPOXY COVE BASE
SCALE : 6" = 1'-0"

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FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:
INTERIOR DETAILS

DRAWING NUMBER:
I-601

SHEET 102 OF 198

ROOM FINISH SCHEDULE

RM#	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH SOUTH	WALL FINISH EAST	WALL FINISH WEST	CEILING MATERIAL	CEILING FINISH	COMMENTS
LOWER LEVEL										
101	EXISTING MECHANICAL	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
102A	FACILITY STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
102B	OUTDOOR EQUIPMENT STORAGE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
102C	EXIT VESTIBULE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
103	EXISTING KITCHEN	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	SCOPE UNDER REVIEW BASED ON EQUIPMENT IMPACT
103A	SCULLERY	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	
103B	KIT STOR	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	
104	GENERAL STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-4	EXPOSED	PT-4	
105	VEST	CT-7	TB-3	CT-1/CT-2	CT-1/CT-2	PT-2	PT-2	GWB-3	PT-5	
106	MEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1/SS-1	CT-1/CT-2/CT-5/GT-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1, SHOWER FLOOR PANS, COORD WITH PLUMBING
107	JAN	ERF-2	ERF-2	PT-2	PT-2/SS-1	PT-2/SS-1	PT-2	GWB-3	PT-5	
108	VEST	CT-7	TB-3	CT-1/CT-2	CT-1/CT-2	PT-2	PT-2	GWB-3	PT-5	
109	WOMEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/CT-5/GT-1	CT-1/CT-2/GT-1/SS-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1/SS-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1, SHOWER FLOOR PANS, COORD WITH PLUMBING
110	FITNESS	AF-1	RB-1	PT-11/WC-2	PT-2/PT-11	PT-11/WC-2	PT-2	EXPOSED	PT-7	COORDINATE FULL LENGTH MIRRORS NORTH AND EAST WALLS. EXISTING SUBSTRATE DEPTHS VARY THROUGHOUT THIS SPACE DUE TO DIFFERING FLOOR CONDITIONS. VERIFY SUBSTRATE LEVELS IN THE FIELD UPON COMPLETION OF DEMOLITION. PROVIDE INFILL AS NECESSARY TO ACHIEVE A LEVEL SURFACE SUITABLE FOR THE SCHEDULED FLOOR FINISH, IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
111	HHC STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	
112	OFFICE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
113	EXISTING VAULT	EXIST	EXIST	PT-2	PT-2	PT-2	PT-2	EXIST	PT-5	REVIEW NEED TO PRIME ANY REMEDIATED AREAS PRIOR TO PAINTING
114	EXISTING VAULT	EXIST	EXIST	PT-2	PT-2	PT-2	PT-2	EXIST	PT-5	REVIEW NEED TO PRIME ANY REMEDIATED AREAS PRIOR TO PAINTING
115	VEST	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	
116	C-COMPANY STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	REVIEW ALTERNATE OF ACT-1 OVER DESKS
117	MULTI-PURPOSE	ERF-1	ERF-1	PT-1/PT-11	WC-3/PT-1	PT-1/PLAM-1	PT-1/PT-11	EXPOSED/APC-3	PT-5/PT-7	ACOUSTIC DOOR TO MATCH PLAM-1
118	DRILL HALL	ERF-2	ERF-2	PT-2	PT-2/WC-3	PT-2/WC-4	PT-2	EXPOSED	PT-4	ACOUSTIC DOOR TO MATCH PLAM-1, PLAN NORTH MEZZANINE WALL PT-10
119	VEST	ERF-2	ERF-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
120	ELEC	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
C4	CORRIDOR	ERF-1, ERF-2	ERF-1/ERF-2	PT-2/PT-10	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
C5	CORRIDOR	ERF-2	ERF-2	PT-2	PT-2	PT-2/CT-5	PT-2	EXPLOSED	PT-4	PT-9 BLOCK FILLER BASE
E1	ELEV									FROM MANUFACTURER'S LINE
S2	STAIR	CS-1	PT-6	-	PT-1	PT-2	PT-2	EXPOSED	PT-5/PT-7	WALL GRAPHIC WEST WALL UPPER LEVEL
S3	STAIR	CS-1	PT-6	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
S4	STAIR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
UPPER LEVEL										
201	BN COMMANDER OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 1 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATION
202	BN CSM OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATION
203	BN OPS OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/WPLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
204	BN ASST OPS OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
205	BN EXEC OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
206	BN OPSNCOIC OFFICE	CPT-1	WB-1	PT-2/WPLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
207	FLEX OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
208	IT	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
209	BN COMMSEC OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
210	SIPR	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
211	BM OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
212	BN COLLAB STATIONS	CPT-1	RB-2	PT-2	PT-1/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
213	HHC CDR & 1SG OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2PLAM-1	PT-2/PLAM-1	PT-2PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
214	HHC UNIT ADM & READINESS NCO OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
215	HHC COLLAB	CPT-1	RB-2	PT-2	PT-2/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
216	RECRUITING	CPT-1	RB-2	PT-10	WC-5	PT-2	PT-2	GWB-1	PT-5	ALL SOFFITS PT-10
217	HHC STOR	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
218	GENERAL STORAGE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
220	VESTIBULE	CPT-2	TB-2	PT-2	PT-2	EXIST	EXIST	GWB-1	PT-5	
221	BREAK	ERF-1	ERF-1	PT-2	PT-10	PT-2/CT-5	PT-2	ACT-1	-	T-6 BACKSPLASH, CABINETS PLAM-1 WITH SS-2 COUNTER
222	WELL	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
223	JAN	ERF-1	ERF-1	PT-2/SS-1	PT-2	PT-2/SS-1	PT-2	ACT-1	-	
224	COPY RM	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
225	STATE STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
226	C-COMP CDR & 1SG OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
227	C-COMP UNIT ADM & READINESS NCO OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
228	C-COMPANY COLLAB	CPT-1	RB-2	PT-2	PT-2/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
229	VEST	CT-7	TB-3	PT-2	PT-2	PT-2	PT-2	GWB-3	PT-5	
230	WOMEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1/SS-1	CT-1/CT-2/GT-1/SS-1	TC-1/CT-2/CT-5/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1 AND FLOORS TO BE PANS, COORD WITH PLUMB
231	WOMEN'S GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2/WC-7	PT-2	EXPOSED	PT-7	
232	AUX GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2/WC-8	PT-2	EXPOSED	PT-7	
233	MEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1	CT-1/CT-2/CT-5/GT-1/SS-1	CT-1/CT-2/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1/SHOWER PANS, COORD WITH PLUMB
234	MEN'S GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2/WC-9	EXPOSED	PT-4	
235	CONFERENCE	CPT-1	WB-1	PT-1	PT-1	PLAM-1	PLAM-1	GWB-1	PT-5	LEVEL 1 OFFICE FINISH, SEE TYPICAL PLAM TREATMENT ELEVATIONS
236	OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
237	OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
238	FACILITIES MANAGER	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
239	VEST	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
C1	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2A	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2/CT-5	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2B	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2C	CLOSET	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	

ROOM FINISH SCHEDULE GENERAL NOTES:

NOTE: ALL CMU WALLS SCHEDULED TO RECEIVE A PAINT FINISH MUST FIRST BE PRIMED WITH AN ACRYLIC BLOCK SURFACER (PT-9) TO PROVIDE A UNIFORM AND PROPER SURFACE PRIOR TO APPLYING THE FINAL PAINT FINISH AS SCHEDULED.

NOTE: FOR OFFICE FINISH LEVEL 1, MATCH THE FINISHES TO THOSE SHOWN IN THE SAMPLE LAYOUT OF THE ROOM BN COMMANDER OFFICE (201), REFERENCING ITS ELEVATION VIEWS.

NOTE: FOR OFFICE FINISH LEVEL 2, MATCH THE FINISHES TO THOSE SHOWN IN THE SAMPLE LAYOUT OF THE ROOM BN CSM OFFICE (202), REFERENCING ITS ELEVATION VIEWS.

FINISH MATERIAL LEGEND

TAG	MANUFACTURER	DESCRIPTION	MODEL NO. / COLLECTION	COLOR	FINISH	TYPICAL LOCATION
ACOUSTICAL CEILING						
ACT-1	USG	SANDRIFT, SHADOWLINE, ACOUSTICAL PANELS WITH USG DONN BRAND CENTRICITEE DXT 9/16" ACOUSTICAL SUSPENSION SYSTEM	808	WHITE/ FLAT WHITE		CORRIDORS, OFFICES
ACT-2	USG	KITCHEN LAY IN PANELS, 24X24		WHITE		KITCHEN
APC-1	CERTAINTEED	DECOUSTICS CLARO	DIRECT MOUNT	PT-2/PT-10	EG-SHELL	DRILL HALL COORIDOR
APC-2	ARMSTRONG	ACOUSTIBUILT SEAMLESS ACOUSTIC SYSTEM		WHITE		LOBBY, MULTIPURPOSE ROOM
APC-3	CERTAINTEED	DECOUSTICS CLARO	DIRECT MOUNT	SW 9152 LET IT RAIN		DRILL HALL (WALLS AND CEILINGS)
ATHLETIC FLOORING						
AF-1	MANNINGTON COMMERCIAL	ATHLETIC FLOOR	BURKE COLLECTION	BEIGE 824		FITNESS ROOM
CARPET						
CPT-1	MOHAWK GROUP	MILLIKEN COMMERCIAL	PLANK STYLE CARPET-TO BE SELECTED BY OWNER'S REPRESENTATIVE	COLOR TO BE SELECTED BY OWNERS REPRESENTATIVE		OFFICES, CONFERENCE
CPT-2	SHAW CONTRACT	WELCOME II	5T031	31549 CHARCOAL		VESTIBULE
CONCRETE						
CS-1	ARMORSEAL	CONCRETE SEALER	8100 HEAVY DUTY FLOOR COVERING			STORAGE/COPY ROOMS
EPOXY RESIN FLOORING						
ERF-1	STONEHARD	EPOXY RESIN FLOORING WITH INTEGRAL COVE BASE	STONTEC	DIABLO BEIGE, LARGE		CORRIDORS, STORAGE
ERF-2	STONEHARD	EPOXY RESIN FLOORING WITH INTEGRAL COVE BASE	STONTEC			DRILL HALL
EXISTING MATERIALS						
EXIST	EXISTING	EXISTING MATERIALS AS NOTED IN THE SCHEDULE				VAULTS AND MECH ROOMS
FABRIC						
FAB-1	DRAPER	MANUAL FLEXSHADE 3% OPEN MESH		COLOR MATCHING PT-2		
PAINT						
PT-1	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW9136 LULLABY	EG-SHELL	LIGHT BLUE ACCENT WALLS
PT-2	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW7003 TOQUE WHITE	EG-SHELL	TYPICAL WALL PAINT
PT-3	NOT USED					
PT-4	SHERWIN WILLIAMS	EXPOSED METAL DECK, STRUCTURE, AND DUCTWORK PAINT	PRO INDUSTRIAL MULTI SURFACE ACRYLIC	SW7006 EXTRA WHITE		EXPOSED STRUCTURAL MEMBERS AND DECK
PT-5	SHERWIN WILLIAMS	DRYWALL CEILING PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW7006 EXTRA WHITE	FLAT	
PT-6	SHERWIN WILLIAMS	METAL DOOR FRAME PAINT	K45-1150 SERIES	SW6244 NAVAL	SATIN	
PT-7	SHERWIN WILLIAMS	METAL DECK, STRUCTURE, EXPOSED DUCTWORK PAINT	PRO INDUSTRIAL MULTI SURFACE ACRYLIC	SW6243 DISTANCE	SATIN	CHARCOAL ALTERNATE
PT-8	NOT USED					
PT-9	SHERWIN WILLIAMS	LOXON MASONRY UNIT PAINT, ACRYLIC BLOCK SURFACER	LX01W0200	WHITE		AT ALL CMU WALLS SCHEDULED TO RECIEVE PAINT
PT-10	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW6243 DISTANCE	EG-SHELL	SOFFITS AND ACCENT WALLS
PT-11	SHERWIN WILLIAMS	MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS	PRO INDUSTRIAL DTM ACRYLIC	AS SELECTED BY DIRECTOR FROM MANUFACTURER'S AVAILABLE COLOR SELECTIONS	LOW SHEEN	
PT-12	SHERWIN WILLIAMS	COILING DOOR PAINT	PRO INDUSTRIAL ACRYLIC COATING	SW6244 NAVAL	SATIN	EXISTING KITCHEN COILING DOORS
PT-13	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR ACRYLIC LATEX PAINT		SW7006 EXTRA WHITE	SATIN	LATIRNE/ DAMP AREA CEILINGS
PT-14	SHERWIN WILLIAMS	VAULT DOOR PAINT		GSA GRAY (AA-D-600D)		FEDERAL STANDARD FOR VAULT DOORS
PT-15	SHERWIN WILLIAMS	VAULT SIGNAL PAINT		FED STD 12246 OR RAL 2010		FEDERAL STANDARD FOR VAULT SIGNAL ORANGE
PLASITC LAMINATES						
PLAM-1	WILSONART	WOOD LAMINATE		7937-38 RIVER CHERRY		BREAKROOM CABINETS, LATRINE VANITIES
RESILIENT BASE						
RB-1	ROPPE	RESILIENT COVE BASE		123 CHARCOAL		CARPET AND CONCRETE FLOOR AREAS
RB-2	ROPPE	RESILIENT COVE BASE	TO BE SELECTED BY OWNERS REP	TO BE SELECTED BY OWNERS REP		
SOLID SURFACE						
SS-1	WILSONART	SOLID SURFACE SURROUNDS	I573MG	FROSTY WHITE MIRAGE		SHOWER WALLS
SS-2	COSENTINO	QUARTZ COUNTERS	SILESTONE	DESERT SILVER	POLISHED	LATRINES AND BREAKROOM
TILE						
CT-1	CAESAR US	PORCELAIN TILE, 6X24	WAVESCAPE	MALIBU	MATTE	LATRINE WALLS
CT-2	CAESAR US	PORCELAIN TILE, 12X24	WAVESCAPE	MALIBU	MATTE	LATRINE WALLS
CT-7	CAESAR US	PORCELAIN FLOOR TILE, 12X24	STONEWAYS	NIGHT	MATTE	LATRINE FLOOR
CT-4	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X4	COLOR STORY WALL	0061 MATTE DESIGNER WHITE	MATTE	
CT-5	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X12	COLOR STORY WALL	0117 NAVY	GLOSS	LATRINE SINK WALLS
CT-6	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X12	COLOR STORY WALL	0077 NAVEL	GLOSS	BREAK ROOM BACKSPLASH
CT-3	STONEPEAK	PORCELAIN FLOOR TILE, 12X24	URBAN 2.0	LAVA GRAY	HONED	LOBBY AND VESTIBULE
CT-8	MATCH EXISTING	CERAMIC WALL TILE, 4X4		MATCH EXISTING		PATCH EXISTING WALL TILE AT KITCHEN
GT-1	AMERICAN OLEAN	GLASS MOSSAIC TILE, 12X12	ZEN	SERENTINA		MOSSAIC IN LATRINES
TB-1	CAESAR US	PORCELAIN FLOOR TILE BASE, 6X24 WITH SCHLUTER JOLLY	WAVESCAPE	MALIBU	MATTE	LATRINES
TB-2	CAESAR US	PORCELAIN TILE BULLNOSE BASE	STONEWAYS	NIGHT	MATTE	LATRINE VESTIBULES
TB-3	STONEPEAK	PORCELAIN TILE BULLNOSE BASE, 3X24	URBAN 2.0	LAVA GRAY	HONED	LOBBY AND VESTIBULE
WALL COVERING						
WC-1	KOROSEAL	DECORATIVE WALLCOVERING	CANOPY	LUNA C102-02		
WC-2	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	MULTI PURPOSE
WC-3	NEKOOSA	VINYL GRAPHIC	TRIFECTA	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE		DRILL HALL, LOW WALL GRAPHIC
WC-4	NEKOOSA	VINYL GRAPHIC	TRIFECTA	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE		DRILL HALL, UPPER WALL GRAPHIC
WC-5	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	RECRUITING
WC-6	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	LOBBY
WC-7	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	WOMEN'S GEAR STORAGE
WC-8	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	AUX GEAR STORAGE
WC-9	KOROSEAL	DIGITAL WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNER'S REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	MEN'S GEAR STORAGE
WALL PROTECTION						
CG-1	INPRO CORPORATION	16 GAUGE STAINLESS STEEL, 3IN x 3IN x 60IN, MECHANICALLY FASTENED		STAINLESS STEEL	CLEAR FINISH	OUTSIDE CORNERS DRILL HALLS AND GEAR STORAGE CORRIDORS
CG-2	INPRO CORPORATION	16 GAUGE STAINLESS STEEL, 1.5IN x1.5IN MECHANICALLY FASTENED		STAINLESS STEEL	CLEAR FINISH	OUTSIDE CORNERS AT MULTIPURPOSE ROOMS AND OTHER "FRONT OF HOUSE SPACES" HEIGHT VARIES BY LOCATION REFER TO ELEVATIONS
WP-1	INPRO CORPORATION	18 GAUGE TYPE 304 STAINLESS STEEL DIAMOND PLATE WALL PANELS		STAINLESS STEEL	CLEAR FINISH	DRILL HALL COLUMN WRAP
WOOD						
WB-1		SOLID WOOD WALL BASE 4" H		MATCH LAMINATE WOOD SPECIES AND TONE IN PLAM-1		OFFICES/CONFERENCE

NOTE: ALL FINISHES INDICATED IN THE FINISH LEGEND AND ROOM FINISH SCHEDULE ARE TO BE CONSIDERED AS **BASIS OF DESIGN** FOR BIDDING PURPOSES ONLY. **FINAL COLOR SELECTIONS MUST BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE DURING THE SUBMITTAL REVIEW PROCESS PRIOR TO PROCUREMENT. NO EXCEPTIONS.** PROCUREMENT SHALL NOT PROCEED UNTIL APPROVED, IN

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

re-habitat

WARNING:
THE ALTERATION OF THIS MATERIAL ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR

REGISTERED ARCHITECT DOUGLAS K. ARENZ 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-C**

DESIGNED BY: LS
DRAWN BY: LS
FIELD CHECK: JLP
APPROVED: DKA

SHEET TITLE:
FINISH SCHEDULES AND LEGEND

DRAWING NUMBER:
I-602

PANEL SIGN SCHEDULE

ROOM NO.	ROOM NAME	SIGN TYPE	QTY	SIGN COPY LINE ONE	SIGN COPY LINE TWO
E1	ELEV	G	1	1	
LOWER LEVEL					
		C	1	KITCHEN	
		H	1		
101	EXISTING MECHANICAL	C	1	MECHANICAL	
102A	FACILITY STORAGE	C	1	FACILITY STORAGE	
102B	OUTDOOR EQUIPMENT STORAGE	C	1	OUTDOOR EQUIPMENT STORAGE	
102C	EXIT VESTIBULE	C	1	OUTDOOR EQUIPMENT	
103A	SCULLERY	C	1	KITCHEN	
104	GENERAL STORAGE	C	1	GENERAL STORAGE	
105	VEST	E	1	MEN'S LATRINE	
106	MEN'S LATRINE	E	1	MEN'S LATRINE	
107	JAN	C	1	JANITOR	
108	VEST	E	1	WOMEN'S LATRINE	
109	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
110	FITNESS	C	1	FITNESS	
112	OFFICE	A	1	112	
113	EXISTING VAULT	C	1	VAULT	
114	EXISTING VAULT	C	1	VAULT	
116	C-COMPANY STORAGE	C	1	C-COMPANY STORAGE	
117	MULTI-PURPOSE	C	1		
117	MULTI-PURPOSE	C	1	MULTI-PURPOSE	
118	DRILL HALL	C	1	DRILL HALL	
120	ELEC	C	1	ELECTRICAL	
S3	STAIR	F	1	STAIR	
S4	STAIR	F	1	STAIR	
UPPER LEVEL					
		C	1	WOMEN'S GEAR STORAGE	
		E	1	MEN'S LATRINE	
201	BN COMMANDER OFFICE	A	1	201	
202	BN CSM OFFICE	A	1	202	
203	BN OPS OFFICE	A	1	203	
204	BN ASST OPS OFFICE	A	1	204	
205	BN EXEC OFFICE	A	1	205	
206	BN OPSNCOIC OFFICE	A	1	206	
207	FLEX OFFICE	A	1	207	
208	IT	C	1	IT	
209	BN COMMSEC OFFICE	A	1	209	
210	SIPR	A	1	210	
211	BM OFFICE	A	1	211	
212	BN COLLAB STATIONS	B	1	SUITE 212	
213	HHC CDR & 1SG OFFICE	A	1	213	
214	HHC UNIT ADM & READINESS NCO OFFICE	A	1	214	
215	HHC COLLAB	B	1	SUITE 215	
216	RECRUITING	B	1	SUITE 216	
217	HHC STOR	C	1	HHC STORAGE	
218	GENERAL STORAGE	C	1	GENERAL STORAGE	
221	BREAK	C	1	BREAK ROOM	
222	WELL	C	1	WELLNESS	
223	JAN	C	1	CUSTODIAL	
224	COPY RM	C	1	COPY ROOM	
225	STATE STORAGE	C	1	STATE STORAGE	
226	C-COMP CDR & 1SG OFFICE	A	1	226	
227	C-COMP UNIT ADM & READINESS NCO OFFICE	A	1	227	
228	C-COMPANY COLLAB	B	1	SUITE 228	
229	VEST	E	1	WOMEN'S LATRINE	
230	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
230	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
231	WOMEN'S GEAR STORAGE	C	1	WOMEN'S GEAR STORAGE	
232	AUX GEAR STORAGE	C	1	AUX GEAR STORAGE	
232	AUX GEAR STORAGE	C	1	AUX GEAR STORAGE	
233	MEN'S LATRINE	E	1	MEN'S LATRINE	
234	MEN'S GEAR STORAGE	C	1	MEN'S GEAR STORAGE	
235	CONFERENCE	D	1	235	CONFERENCE ROOM
235	CONFERENCE	D	1	235	CONFERENCE ROOM
236	OFFICE	A	1	236	
237	OFFICE	A	1	237	
238	FACILITIES MANAGER	A	1	238	
239	VEST	H	1		
C2B	CORRIDOR	C	1	GEAR STORAGE	
C2C	CLOSET	C	1	UTILITY	
E1	ELEV	G	1		
S3	STAIR	F	1	STAIR	

ROLLER SHADE SCHEDULE

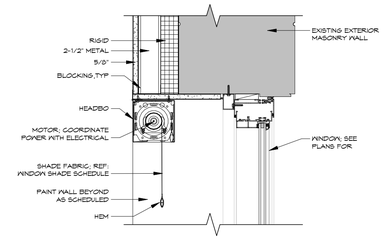
ROOM NO.	ROOM NAME	SHADE TYPE	FINISH MATERIALS: SHADE FABRIC	FINISH MATERIALS: FASCIA / HEADBOX	QTY
118	DRILL HALL	RS-1	FAB-1	PT-1	4
201	BN COMMANDER OFFICE	RS-2	FAB-1	PT-1	2
202	BN CSM OFFICE	RS-2	FAB-1	PT-1	1
203	BN OPS OFFICE	RS-2	FAB-1	PT-1	1
204	BN ASST OPS OFFICE	RS-2	FAB-1	PT-1	1
205	BN EXEC OFFICE	RS-2	FAB-1	PT-1	1
206	BN OPSNCOIC OFFICE	RS-2	FAB-1	PT-1	1
207	FLEX OFFICE	RS-2	FAB-1	PT-1	1
213	HHC CDR & 1SG OFFICE	RS-2	FAB-1	PT-1	1
214	HHC UNIT ADM & READINESS NCO OFFICE	RS-2	FAB-1	PT-1	1
216	RECRUITING	RS-2	FAB-1	PT-1	2
226	C-COMP CDR & 1SG OFFICE	RS-2	FAB-1	PT-1	1
227	C-COMP UNIT ADM & READINESS NCO OFFICE	RS-2	FAB-1	PT-1	2
228	C-COMPANY COLLAB	RS-2	FAB-1	PT-1	2
235	CONFERENCE	RS-2	FAB-1	PT-1	2
236	OFFICE	RS-2	FAB-1	PT-1	1
237	OFFICE	RS-2	FAB-1	PT-1	1
238	FACILITIES MANAGER	RS-2	FAB-1	PT-1	1

NOTES:
TYPE RS-1 SHADES ARE MOTORIZAED SINGLE ROLLER; ALL MOTORIZAED SHADE SHALL BE CONNECTED TO A DEDICATED POWER SOURCE AND INCLUDE THE NECESSARY CONTROLS. COORDINATE WITH E-CONTRACTOR.

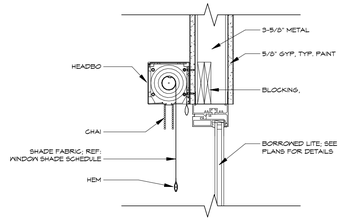
TYPE RS-2 ARE MANUAL MANUAL SINGLE ROLLER SHADES.

MOUNTING HEIGHT, SHADE LENGTHS, AND CONTROLS LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.

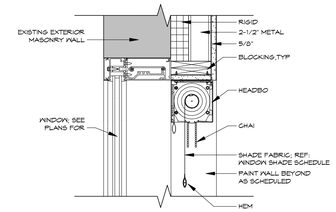
PROVIDE SUFFICIENT CLEARANCE FOR OPERATION AND MAINTENANCE SO THAT NO OBSTRUCTIONS INTERFERE WITH SHADE MOEMENT.



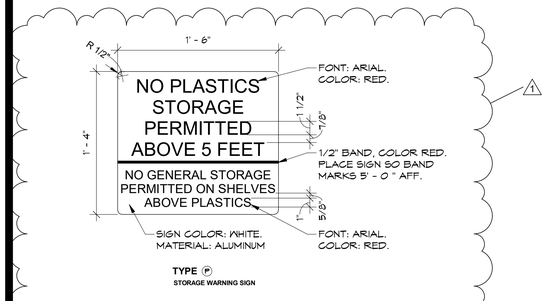
1 TYP ROLLER SHADE AT DRILL HALL EXTERIOR WINDOWS
SCALE : 1 1/2" = 1'-0"



2 TYPICAL ROLLER SHADE AT BORROWED LITES
SCALE : 1 1/2" = 1'-0"



3 TYPICAL ROLLER SHADE AT EXTERIOR WINDOWS
SCALE : 1 1/2" = 1'-0"



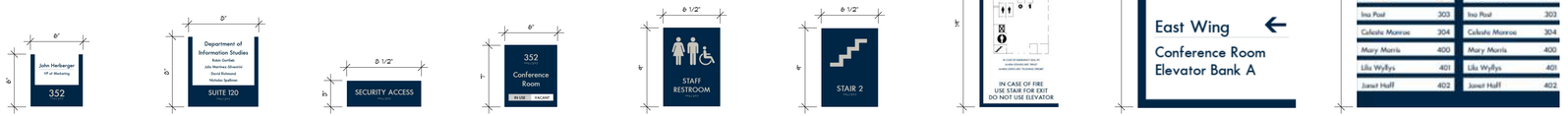
TYPE (P)
STORAGE WARNING SIGN

4 PLASTICS STORAGE SIGN
SCALE : 1 1/2" = 1'-0"

PRODUCTION DETAILS

MATERIAL: SOLID ALUMINUM
FONT: HELVETICA
FINISH ON FACE AND EDGE: BRUSHED
DEPTH: 2IN

5 3D SIGN DETAIL - LOBBY 219 - NORTHWEST
SCALE : 1/2" = 1'-0"



TYPE (A)
ROOM NUMBER WITH CLEAR INSERT
BOD: TAKEFORM VIVID H.4 (V1AH33)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

INSERT COLORS
BACKGROUND: WHITE
TEST: TWILIGHT

FONT TYPE
ADA_FUTURA

TYPE (B)
SUITE NUMBER WITH CLEAR INSERT
BOD: TAKEFORM VIVID H.8 (V1AH34)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

INSERT COLORS
BACKGROUND: WHITE
TEST: TWILIGHT

FONT TYPE
ADA_FUTURA

TYPE (C)
ROOM NAME
BOD: TAKEFORM VIVID G (V1AH13)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

FONT TYPE
ADA_FUTURA

TYPE (D)
ROOM NUMBER, NAME & SLIDER
BOD: TAKEFORM VIVID I.2 (V1AJ03)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

FONT TYPE
ADA_FUTURA

TYPE (E)
PICTOGRAM, LATRINES
BOD: TAKEFORM VIVID RR (V1AE04)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

FONT TYPE
ADA_FUTURA

TYPE (F)
PICTOGRAM, STAIRS
BOD: TAKEFORM VIVID ST (V1AE04)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

FONT TYPE
ADA_FUTURA

TYPE (G)
LEVEL WITH EMERGENCY EXIT CLEAR INSERT
BOD: TAKEFORM VIVID D (V1AB21)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

INSERT COLORS
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TEST: TWILIGHT

FONT TYPE
ADA_FUTURA

TYPE (H)
LEVEL WITH DIRECTORY CLEAR INSERT
BOD: TAKEFORM VIVID B.8 (V1AB07)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

INSERT COLORS
BACKGROUND: WHITE
TEST: TWILIGHT

FONT TYPE
ADA_FUTURA

TYPE (J)
DIRECTORY WITH CLEAR NAME INSERTS
BOD: TAKEFORM VIVID A.8 (V1AA07)

PANEL COLORS
BACKGROUND: TWILIGHT
RAISED TEXT: DOVE

INSERT COLORS
BACKGROUND: WHITE
TEST: TWILIGHT

FONT TYPE
ADA_FUTURA

LOGO
OWNER TO PROVIDE ARTWORK

6 PANEL SIGN TYPES LEGEND
SCALE : 1 1/2" = 1'-0"

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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REGISTERED ARCHITECT DOUGLAS K. ARENA 032669 STATE OF NEW YORK
REGISTRATION EXPIRES: 08/31/2028

CONTRACT:
CONSTRUCTION

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

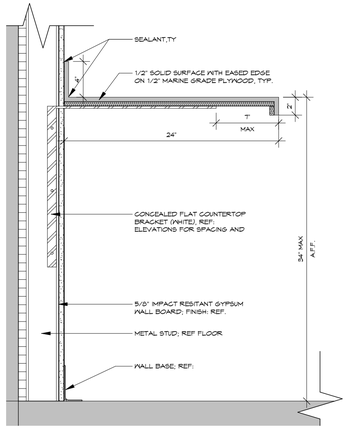
PROJECT NUMBER: **47477-C**

DESIGNED BY:	LS
DRAWN BY:	LS
FIELD CHECK:	JLP
APPROVED:	DKA

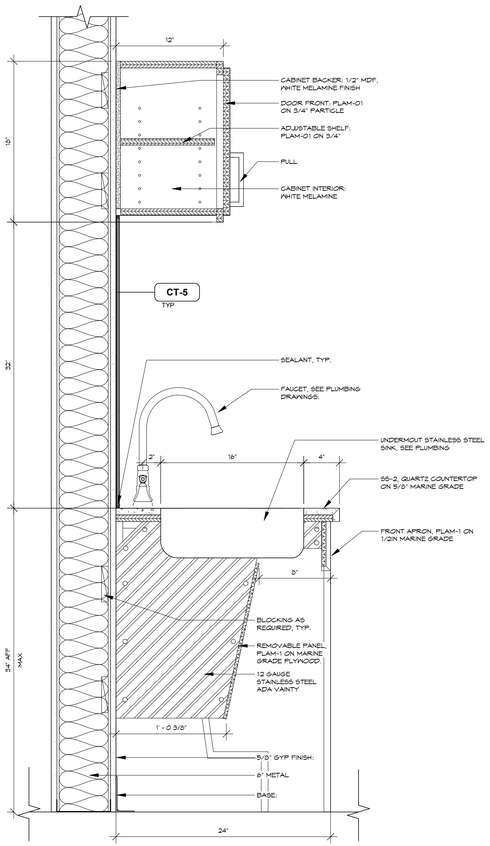
SHEET TITLE:
SIGN AND ROLLER SHADE TYPES & SCHEDULES

DRAWING NUMBER:
I-603

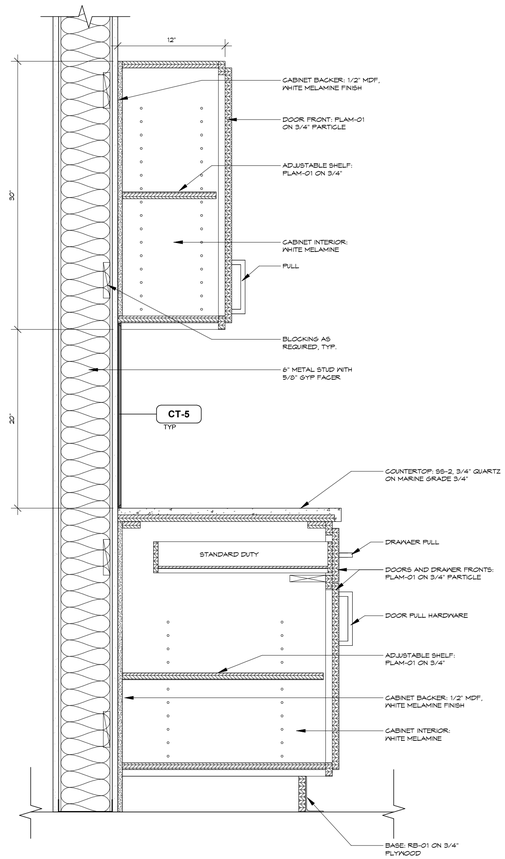
SHEET 104 OF 198



7 TYPICAL CONCEALED COUNTERTOP BRACKET
SCALE : 1 1/2" = 1'-0"



4 SECTION DETAIL AT BREAK ROOM 221 SINK
SCALE : 1 1/2" = 1'-0"



3 SECTION DETAIL AT BREAK ROOM 221 MILLWORK
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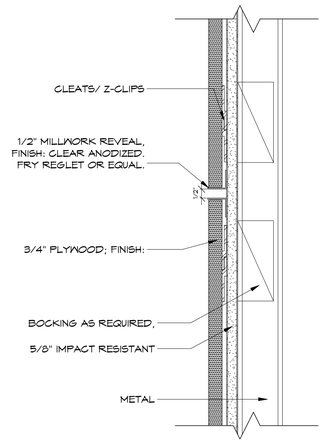
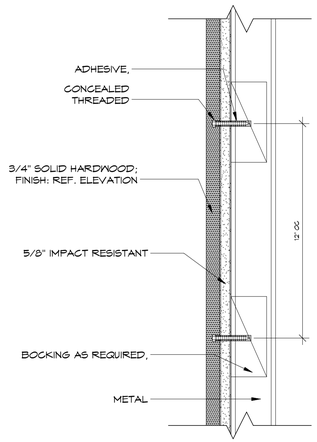
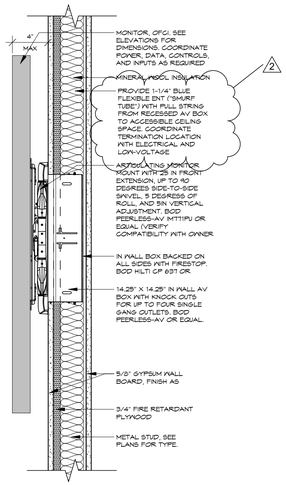


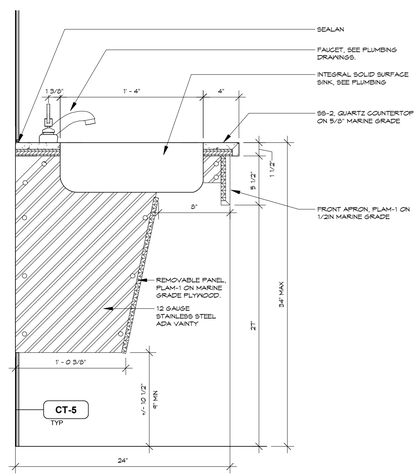
6 TYPICAL REVEAL AT PLAM WALL PANELS
SCALE : 3" = 1'-0"



5 TYPICAL WOOD TRIM AT GRAPHIC TRANSITION
SCALE : 3" = 1'-0"



2 TYPICAL WALL MOUNTED MONITOR
SCALE : 1 1/2" = 1'-0"



1 TYPICAL SINK BASE DETAIL AT LATRINES
SCALE : 1 1/2" = 1'-0"

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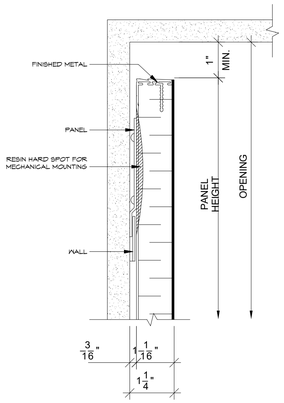
PROJECT NUMBER:	47477-C
DESIGNED BY:	LS
DRAWN BY:	LS
FIELD CHECK:	JLP
APPROVED:	DKA

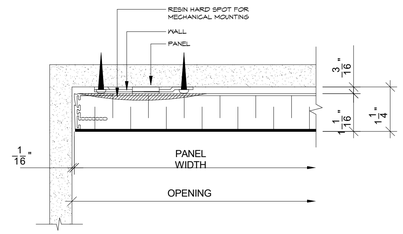
SHEET TITLE:
MILLWORK DETAILS

DRAWING NUMBER:
I-604

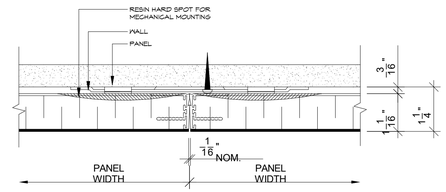
SHEET 105 OF 198



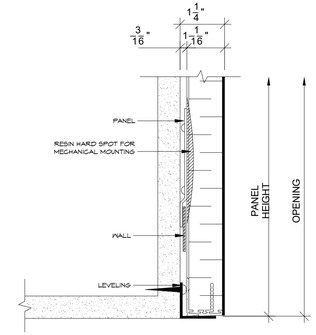
PANEL HEAD AT BULKHEAD



PANEL END AT WALL



VERTICAL BUTT JOINT



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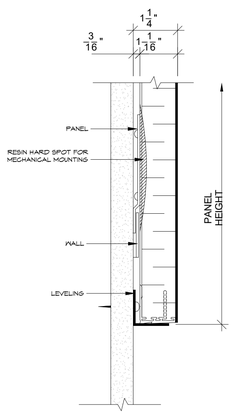

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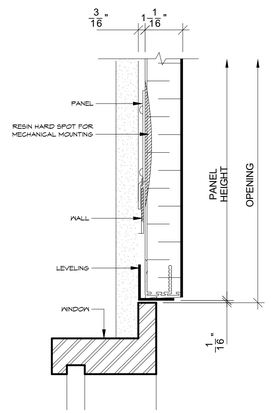
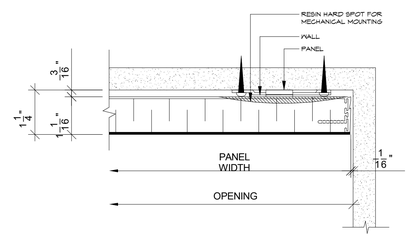
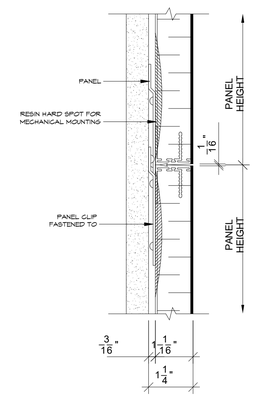


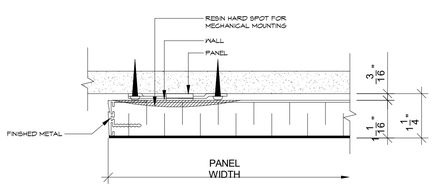
PANEL BASE AT FRAME



PANEL END AT WALL CORNER



HORIZONTAL BUTT JOINT



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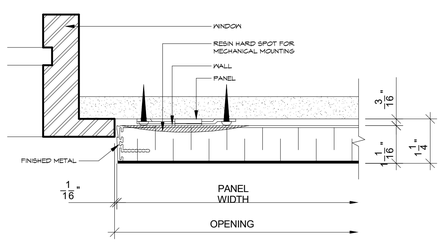

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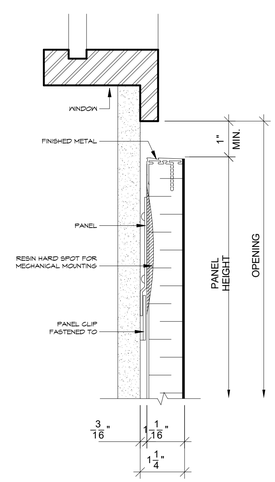

PANEL END AT WALL CORNER

1 ACOUSTIC WALL PANEL - TYPICAL MOUNTING DETAILS

SCALE : 6" = 1'-0"

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PROJECT NUMBER: **47477-C**

DESIGNED BY:	LS
DRAWN BY:	LS
FIELD CHECK:	JLP
APPROVED:	DKA

SHEET TITLE:

ACOUSTIC WALL PANEL TYPICAL MOUNTING DETAILS

DRAWING NUMBER:

I-605

MECHANICAL ABBREVIATIONS:

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AL	ACTIVE LENGTH IN FEET
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BDD	BACK DRAFT DAMPER
BG	BREAK GLASS STATION
BT	BUFFER TANK
C	CONVECTOR
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CD	CEILING DIFFUSER
CG	CEILING GRILLE
CH	CHILLER
CHWP	CHILLED WATER PUMP
COD	CLEAN OUT DOOR
CR	CEILING REGISTER
CFM	CUBIC FEET OF AIR PER MINUTE
CUH	CABINET UNIT HEATER
CP	CONDENSATE PUMP
CRP	CONDENSATE RETURN PUMP
EUH	ELECTRIC UNIT HEATER
EL	ELEVATION
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EX	EXTISTING
FD	FIRE DAMPER AND ACCESS DOOR
FSD	FIRE SMOKE DAMPER AND ACCESS DOOR
FC	FLEXIBLE CONNECTION
FTR	FIN TUBE RADIATOR
GPM	GALLONS PER MINUTE
GWT	GLYCOL WATER TANK
HAC	HEATING AIR CURTAIN
HC	HEATING COIL
HL	HEATING LOAD IN MBH
HV	HEATING AND VENTILATING UNIT
HX	HEAT EXCHANGER
KGEF	KITCHEN GENERAL EXHAUST FAN
LSD	LINEAR SLOT DIFFUSER
MBH	THOUSAND BTU'S PER HOUR
MD	MOTORIZED DAMPER
NK	NECK (AS RELATED TO DUCT & DIFFUSER)
NIC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OAD	OUTSIDE AIR DAMPER
OAI	OUTSIDE AIR INTAKE
OED	OPEN END DUCT WITH WMS
P	PUMP
PHWP	PRIMARY HOT WATER PUMP
RA	RETURN AIR
RAL	RADIATOR ACTIVE LENGTH
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
SD	SMOKE DAMPER AND ACCESS DOOR
SHWP	SECONDARY HOT WATER PUMP
SP	STATIC PRESSURE
ST	SOUND ATTENUATOR/TRAP
TEF	TOILET EXHAUST FAN
TD	TRANSFER DUCT
TO	TRANSFER OPENING
TG	WALL MOUNTED TRANSFER GRILLE
TR	TOP REGISTER
TRG	TRANSFER GRILLE
TRR	TRANSFER REGISTER
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME BOX
WMS	WIRE MESH SCREEN

MECHANICAL SYMBOL LIST:

- EXISTING WORK TO REMAIN (WORK SHOWN IN LIGHT)
- EXISTING WORK TO BE REMOVED
- NEW WORK (WORK SHOWN IN DARK)
- POINT OF DISCONNECTION
- CONNECT NEW TO EXISTING
- TS — TEMPERATURE SENSOR
- TB — BACNET THERMOSTAT
- TS H — COMBINATION TEMPERATURE SENSOR/HUMIDITY SENSOR
- T — THERMOSTAT (SPACE) DIGITAL
- T — THERMOSTAT (DUCT)
- H — HUMIDISTAT
- DP — DIFFERENTIAL PRESSURE SENSOR
- S — SWITCH
- Fz — FREEZESTAT
- SUPPLY AIR OUTLET, 4 WAY
- EXHAUST AND RETURN DIFFUSER
- SUPPLY AIR OUTLET - 3, 2 & 1 WAY THROW
- DUCT SECTION UNDER POSITIVE PRESSURE
- DUCT SECTION UNDER NEGATIVE PRESSURE
- DUCTWORK GOING UP
- DUCTWORK GOING DOWN
- SOUND LINING IN DUCT
- SD — SMOKE DAMPER WITH DUCT ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS
- SD — DUCT SMOKE DETECTOR
- F S — FIRE SMOKE DAMPER WITH DUCT ACCESS DOOR. COORDINATE WITH GC TO PROVIDE ACCESS DOORS AT ACCESSIBLE LOCATION.
- FD — FUSIBLE LINK FIRE DAMPER WITH ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS
- 18" x 12" — DUCT SIZE - FIRST SIZE INDICATES PLAN SIZE
- 18"/12" — FLAT OVAL DUCT SIZE - FIRST SIZE INDICATES PLAN SIZE
- A.D. — ACCESS DOOR IN DUCT
- SD — SMOKE DETECTOR HEAD IN DUCT WITH ACCESS DOOR
- DUCT FLEXIBLE CONNECTION
- VOLUME DAMPER
- SPIN-IN FITTING WITH VOLUME DAMPER
- R — SLOPING RISE IN DUCTWORK
- D — SLOPING DROP IN DUCTWORK
- MD — MOTORIZED DAMPER
- L — LOUVER DOOR
- U — TRANSFER AIR THRU UNDERCUT
- CO2 — CARBON DIOXIDE SENSOR
- DDC PDP CAC — DIRECT DIGITAL CONTROL PANEL
- THERMOMETER
- VAV BOX
- AS X — AIR SEPARATOR
- FTR X HL-XX MBH AL-XX FT — FIN TUBE RADIATOR
- SD-X (XXX) — SUPPLY DIFFUSER-TYPE (CFM VALUE)
- RG-X [XXX] — RETURN GRILLE (CFM VALUE)
- RR-X [XXX] — RETURN REGISTER (CFM VALUE)
- EG-X [XXX] — EXHAUST GRILLE (CFM VALUE)
- ER-X [XXX] — EXHAUST REGISTER (CFM VALUE)

MECHANICAL PIPING SYMBOL LIST:

- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- THERMOMETER
- S/R — HOT WATER SUPPLY OR RETURN RISER; RISER NUMBER
- EQUIPMENT TYPE; EQUIPMENT NUMBER
- PUMP
- STRAINER 'Y' TYPE WITH BLOWDOWN VALVE
- PIPE UP
- PIPE DOWN
- COMBINATION BALANCING & SHUT-OFF VALVE
- SHUT-OFF VALVE
- SHUT-OFF VALVE WITH CAPPED DRAIN FITTING
- THROTTLING VALVE
- CHECK VALVE
- AUTOMATIC 2-WAY CONTROL VALVE
- AUTOMATIC 3-WAY CONTROL VALVE
- ELECTRIC CONTROL VALVE
- CONTROL VALVE STATION
- EJ — PIPE EXPANSION JOINT
- UNION
- ECCENTRIC REDUCER
- BUTTERFLY VALVE
- PLUG FOR PRESSURE GAUGE & THERMOMETER CONNECTION
- MANUAL AIR VENT
- A — AUTOMATIC AIR VENT
- PRESSURE GAUGE
- PRESSURE RELIEF VALVE
- DIRT POCKET
- ARROW INDICATES DIRECTION OF FLOW
- COLD WATER MAKE UP LINE
- A — AIR LINE
- V — VENT LINE
- PD — PUMPED CONDENSATE DRAIN
- D — DRAIN LINE
- DP — DIFFERENTIAL PRESSURE TRANSMITTER
- TDV — TRIPLE DUTY VALVE
- SD — SUCTION DIFFUSER
- M — MOTORIZED VALVE
- GATE VALVE (SHUT-OFF)
- FM — FLOW METER
- FLANGE CONNECTION
- BALANCING VALVE
- DRAIN WITH AIR VENT
- STRAINER
- UNION

2

NOTE:

ALL ABBREVIATIONS AND SYMBOLS MAY NOT APPEAR ON THE DRAWINGS FOR THIS PROJECT.

GENERAL NOTES:

1. FOR SYMBOLS AND ABBREVIATIONS SEE THIS SHEET.
2. ALL HEATING LOAD CALCULATIONS AND HEATING SYSTEM DESIGN HAS BEEN CONDUCTED AS PER ASHRAE FUNDAMENTALS DATA BOOK AND NEW YORK STATE MECHANICAL CODE CHAPTER 3 SECTION MC 312.
3. CONSTRUCTION OF DUCTS AS PER SECTION MC 106.8 AND 603 OF NEW YORK STATE MECHANICAL CODE.
4. OPERATION AND MAINTANANCE OF ALL SYSTEMS AS PER 2020 NEW YORK STATE BUILDING CODE, AND AS PER 2020 NEW YORK MECHANICAL CODE.
5. ALL MECHANICAL PLANS COMPLY WITH SECTION MC 106 OF THE NEW YORK STATE 2020 MECHANICAL CODE WITH 2018 AMENDMENTS OF INTERNATIONAL MECHANICAL CODE.
6. SPACING OF HANGERS AND SUPPORTS SHALL CONFORM WITH MC 305.
7. ALL WORK SHOWN ON PLANS SHALL BE PROVIDED UNLESS INDICATED AS EXISTING.
8. ALL PIPING WILL BE TESTED IN THE PRESENCE OF AN AUTHORIZED INSPECTOR.
9. ANY EXISTING MATERIALS, PIPING, ETC. NOT INDICATED FOR REMOVAL WHICH ARE REMOVED BY THE CONTRACTOR IN ORDER TO PROVIDE WORK SHALL BE REINSTALLED BY THE CONTRACTOR. IF EXISTING WORK IS DAMAGED, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SURFACES OR FINISHES THAT ARE DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS CONTRACT SHALL BE PATCHED, REPAIRED, PAINTED OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AND PROVIDED WORK.
10. ALL WORK OF THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE FOLLOWING:
    a. NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP).
    b. DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC).
    c. NATIONAL FIRE PROTECTION AGENCY (NFPA),
    d. U.S. - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OSHA, AND US. ENVIRONMENTAL PROTECTION AGENCY (USEPA).
11. ALL WELDING, BURNING WORK SHALL BE PROPERLY VENTED AND PURGED.
12. ALL DUCTS, PIPES, CONDUIT PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE FIRE STOPPED IN APPROVED MANNER TO MAINTAIN RATING OF CONSTRUCTION.
13. CONTRACTOR IS RESPONSIBLE FOR FIREPROOFING ANY BUILDING ELEMENT AS REQUIRED BY THE NEW YORK STATE BUILDING CODE.
14. PROPERLY DISPOSE OF ALL DEBRIS REMOVED UNDER THIS CONTRACT.
15. PROVIDE ALL TEMPERATURE CONTROL DEVICES, WIRING, AND INSTALLATION. INCLUDE DEMOLITION/REMOVAL OF CONTROLS TO PERFORM WORK.
16. REFER TO C-CONTRACTOR FOR FIRESTOPPING SCOPE OF WORK.
17. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION.

BUILDING DEPARTMENT NOTES:

1. WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. WORK SHALL BE IN CONFORMANCE WITH THE 2020 CONSTRUCTION CODES (2020 NEW YORK STATE BUILDING CODE NYSBC, 2020 NEW YORK STATE MECHANICAL CODE WITH AMMENDMENTS OF THE 2018 MECHANICAL CODE , AND 2020 NEW YORK STATE FUEL GAS CODE WITH AMMENDMENTS OF THE 2018 INTERNATIONAL FUEL & GAS CODE). THE CONTRACTOR SHALL PROMPTLY NOTIFY THE AUTHORITY OF ANY PORTIONS OF THE WORK, IN THE CONTRACT DOCUMENTS THAT ARE VARIANCE WITH THE ABOVE.
2. ALL MATERIALS, ASSEMBLIES, FORMS OF CONSTRUCTION AND SERVICE EQUIPMENT REGULATED BY CODE SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
    a. THEY SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BOARD OF STANDARDS AND APPEALS.
    b. SHALL BE LISTED AND LABELED BY THE RECOGINZED AGENCY TO MEET THE REQUIRED STANDARDS.
3. MATERIALS OR ASSEMBLIES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL COMPLY WITH ONE OF THE FOLLOWING:
    a. THEY SHALL CONFORM WITH CHAPTER 7 OF THE 2020 NEW YORK SATE BUILDING CODE.
    b. THEY SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, STANDARD METHODS OF FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS BY A NATIONALLY RECOGNIZED AGENCY.
    c. THEY SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE.
4. THE CONTRACTOR'S LICENSED PROFESSIONAL IS RESPONSIBLE FOR FILING APPLICATION AND OBTAINING PERMITS FOR ANY CONSTRUCTION EQUIPMENT OR PUBLIC PROTECTIVES REQUIRED TO ENSURE SAFETY OF OPERATION AND THE PUBLIC AS PER NEW YORK STATE CONSTRUCTION CODE, CHAPTER 33, SECTION BC 3307. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING LETTER OF COMPLETETION. APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THROUGH THE AUTHORITY HAVING JURISDICTION.
5. THESE DRAWINGS HAVE BEEN PREPARED BY OR AT THE DIRECTION OF THE UNDERSIGNED AND TO THE BEST OF THE UNDERSIGNED'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT ARE IN COMPLIANCE WITH THE NEW YORK STATE BUILDING CONSTRUCTION CODES, INCLUDING THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE.
6. ALL NEW INTERIOR FINISHES SHALL BE CONSTRUCTED OF MATERIALS MEETING CHAPTER 8 FOR FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS OF THE NEW YORK STATE BUILDING CODE.

DESIGN CRITERIA FOR OFFICES & MULTIPURPOSE ROOM				
DESIGN SEASON	OUTDOOR DRY BULB	OUTDOOR WET BULB	INDOOR REL. HUM.	INDOOR DRY BULB
SUMMER	92.6' F	74.1' F	50%	74 ' F
WINTER	11.4' F		30%	68' F

DESIGN CRITERIA FOR GYM & LOCKER ROOMS				
DESIGN SEASON	OUTDOOR DRY BULB	OUTDOOR WET BULB	INDOOR REL. HUM.	INDOOR DRY BULB
SUMMER	92.6' F	74.1' F	50%	78 ' F
WINTER	11.4' F		30%	68' F

APPLICABLE CODES:	
BUILDING CODES	2020 NEW YORK STATE BUILDING CODE (NYSBC) 2020 NEW YORK STATE EXISTING BUILDING CODE (NYSEBC)
ENERGY CONSERVATION	2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE
MECHANICAL CODE:	2020 NEW YORK STATE MECHANICAL CODE WITH 2018 AMMENDMENTS OF INTERNATIONAL MECHANICAL CODE.
PLUMBING CODE:	2020 NEW YORK STATE PLUMBING CODE WITH 2018 AMMENDMENTS OF INTERNATIONAL PLUMBING CODE.
ELECTRICAL CODE:	NFPA 70 - 2020 NFPA 72 - 2020

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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UNIFORM CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS

DRAWN BY: SJ

FIELD CHECK: HS

APPROVED: HS

SHEET TITLE: HVAC SYMBOLS, ABBREVIATIONS AND NOTES

DRAWING NUMBER: M-001

ROOFTOP UNIT SCHEDULE

BASIS OF DESIGN: TRANE

UNIT NO.	SERVICE	LOCATION	TOTAL CFM	O.A. CFM	SUPPLY FAN DATA					EXHAUST FAN DATA				ENERGY RECOVERY WHEEL DATA											
														AIRFLOW (CFM) FOR BOTH COOLING AND HEATING MODES				COOLING MODE (SUMMER)			APD (IN W.G)		HEATING MODE (WINTER)			
					SUPPLY CFM PER FAN	TOTAL STATIC PRESSURE IN INCHES OF W.G.	EXTERNAL STATIC PRESSURE IN INCHES OF W.G.	BHP/HP	QUANTITY	CFM PER FAN	RETURN EXTERNAL STATIC PRESSURE IN INCHES OF W.G.	BHP/HP	QUANTITY	OA UPSTREAM OF EWR (CFM)	SA DOWNSTREAM OF EWR (CFM)	RA TO EWR (CFM)	EXHAUST FROM EWR (CFM)	E.A.T. (DB/WB)	L.A.T. (DB/WB)	TOTAL MBH	SUPPLY	EXHAUST	E.A.T. (DB/WB)	L.A.T. (DB/WB)	TOTAL MBH	WHEEL MODEL
RTU-1	AS PER DRAWINGS	ROOF	3600	2410	3600	3.76	2	3.0/5.0	1	2560	0.5	0.83/1.5	1	2560	2400	2400	2560	92.6/73.9	79.0/66.5	63.78	0.71	0.71	13.6/10.8	52.4//45.7	151.86	N/A
RTU-2	AS PER DRAWINGS	ROOF	2500	1550	2500	4.61	2	2.74/5.0	1	2165	0.5	1.02/1.5	1	2165	1950	1950	2165	92.6/73.9	79.1/66.9	49.09	0.84	0.84	13.6/10.8	52.2/44.8	118.33	N/A

CONTINUATION BELOW

BASIS OF DESIGN: TRANE

CONTINUATION ABOVE

COOLING PERFORMANCE							HEATING PERFORMANCE									FILTER		ELECTRICAL DATA				Refrigerant Charge (LBS)							
																		CIRCUIT #1											
E.A.T. DB/WB F° COIL	L.A.T. DB/WB F° COIL	TOTAL COOLING CAPACITY MBH	SENSIBLE COOLING CAPACITY MBH	EVAPORATOR No. OF ROWS/FPI	CONDENSER No. OF ROWS/FPI	AIR VEL. FPM	HEAT PUMP CAPACITY MBH (BACKUP)	E.A.T. DB F°	L.A.T. DB F°	HEATING	INPUT CAPACITY MBH	OUTPUT CAPACITY MBH	E.A.T. DB F°	L.A.T. DB F°	COIL AIR PRESSURE DROP (IN WG.)	PRE FILTER	FINAL FILTER	MCA	FLA	MFS	V/PH/HZ	CIRCUIT #1	EER (measured at AHRI conditions)	COP (measured at AHRI conditions)	DIMENSIONS (LxWxH) IN INCHES	OPERATING WEIGHT (LBS)	MODEL	REMARKS
77.3/65.1	52.0/51.9	137.4	98.2	06|14	03|12	296	103.2	62.1	82.9	GAS FURNACE	150	120	57.6	88.3	0.56	MERV-8	MERV-13	81.9	76	100	208/3/60	32.6	14.7	3.2	183x95x68	4099	OADG012C1-DAB5GAE	1-17
77.9/65.8	51.7/51.7	102.4	70.6	06|14	03|14	368	73.6	55.7	79.5	GAS FURNACE	100	80	55.7	85.2	0.46	MERV-8	MERV-13	64.4	56.9	90	208/3/60	21.3	12.2	2.7	161x52x55	2061	OABE108A3-DAB4G1KP	1-17

REMARKS:

1. UNITS TO BE INTEGRATED TO TRANE TRACER SC + BUILDING AUTOMATION SYSTEM.
2. PROVIDE DIGITAL SCROLL ON THE LEAD REFRIGERATION CIRCUIT.
3. PROVIDE FULLY PROGRAMMABLE UNIT CONTROLLER WITH WIRELESS BACnet CAPABILITY.
4. PROVIDE UNITS WITH COMPERATIVE ENTHALPY ECONOMIZER CONTROL.
5. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
6. UNIT'S WALLS, ROOF, AND FLOOR SHALL BE DOUBLE-WALL, THERMALLY BROKEN CONSTRUCTION WITH 2" R-13 INSULATION.
7. EXTERIOR CABINAL PANELS SHALL BE G-90 GALVANIZED STEEL WITH WEATHER RESISTANT BAKED ENAMEL FINISH.
8. PROVIDE ENERGY RECOVERY WHEEL, WITH ACCESS DOOR AND REMOVAL RAIL FOR WHEEL TO BE REMOVED FOR CLEANING.
9. PROVIDE 5 YEAR PARTS ONLY COMPRESSOR WARRANTY FROM THE MANUFACTURER.
10. PROVIDE 1ST YEAR LABOR WARRANTY FROM THE MANUFACTURER.
11. PROVIDE 6" CONFIGURABLE FILTER BANK WITH MERV-8 PRE-FILTERS AND MERV-13 FINAL FILTERS.
12. PROVIDE SMOKE DETECTOR.
13. FACTORY REPRESENTATIVES SHALL PROVIDE ON-SITE ASSISTANCE FOR BMS INTEGRATION.
14. FACTORY REPRESENTATIVES SHALL PROVIDE END-USER TRAINING UPON COMPLETION OF THE INSTALLATION OF EQUIPMENT.
15. FACTORY REPRESENTATIVES SHALL STARTUP AND COMMISION UPON COMPLETION OF EQUIPMENT INSTALLATIONS.
16. UNITS TO BE INSTALLED ON CURBS. H-CONTRACTOR TO FURNISH CURBS, C-CONTRACTOR TO INSTALL

CABINET UNIT HEATER SCHEDULE

BASIS OF DESIGN STELPRO

TAG NUMBER	LOCATION	MANUFACTURER	MODEL NUMBER	MAX VOLUME (CFM)	MAX HEATING BTU/HR	DIMENSIONS	ELECTRICAL DATA			NOTES
							HEATER (KW)	VOLT	PHASE	
CUH-1	STAIRCASE 1	STELPRO	CBH0281-CT	300	6825	26" X 24" X 11"	2	208	3	1
CUH-2	STAIRCASE 2	STELPRO	CBH0281-CT	300	6825	26" X 24" X 11"	2	208	3	1
CUH-3	VESTIBULE	STELPRO	CBH0281-CT	300	6825	26" X 24" X 11"	2	208	3	1
CUH-4	HHC STORAGE 111	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-5	HHC STORAGE 111	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-6	C-COMPANY STORAGE 116	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-7	C-COMPANY STORAGE 116	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-8	EXISTING KITCHEN 103	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-9	EXISTING MECHANICAL ROOM	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1
CUH-10	ELECTRICAL ROOM	STELPRO	ARUH2TCHAR	350	6825	13" X 12" X 11"	2	208	1	1

1) UNITS TO BE STANDALONE; PROVIDE UNITS WITH IN-BUILT THERMOSTAT BY OEM.

OUTDOOR UNIT SCHEDULE

BASIS OF DESIGN: TRANE

UNIT NUMBER	LOCATION	MODEL	TOTAL HEATING CAPACITY (BTU/HR)	TOTAL COOLING CAPACITY (BTU/HR)	REFRIGERANT		ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MATCHING INDOOR UNIT NO.	REMARKS
					GAS (IN.)	LIQUID (IN.)	MCA	MOCP	V/PH/HZ			
CU-2	ROOF	TUHYE1203AMM0AN	135,000	120,000	1-1/8	3/8	51	80	208/3	606	AC-1,2,3,4	1,2,3,4,5,6
CU-3	ROOF	PUZ-AK12NL	-	12,000	1/2	1/4	16	30	208/1	32	AC-5	1,2,3,4,5,6

REMARKS:
1) PROVIDE UNIT MOUNTED DISCONNECT SWITCH.
2) UNITS TO BE INSTALLED ON ROOF RAILS.
3) PROVIDE UNITS WITH NEOPRENE PADS FOR VIBRATION ISOLATION CONTROL.
4) FACTORY REPRESENTATIVES SHALL PROVIDE ON-SITE ASSISTANCE FOR BMS INTEGRATION.
5) FACTORY REPRESENTATIVES SHALL PROVIDE END-USER TRAINING UPON COMPLETION OF THE INSTALLATION OF EQUIPMENT.
6) FACTORY REPRESENTATIVES SHALL STARTUP AND COMMISION UPON COMPLETION OF EQUIPMENT INSTALLATIONS.

INDOOR UNIT SCHEDULE

BASIS OF DESIGN: TRANE

UNIT NUMBER	LOCATION	MOUNTING TYPE	MODEL	TOTAL HEATING CAPACITY (BTU/HR)	TOTAL COOLING CAPACITY (BTU/HR)	REFRIGERANT			ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MATCHING OUTDOOR UNIT NO.	REMARKS
						TYPE.	GAS (IN.)	LIQUID (IN.)	MCA	MOCP	V/PH/HZ			
AC-1	BN COLLAB STATIONS	CASSETTE	TPLFYP024EM1M0A	27,000	24,000	R-32	5/8	3/8	0.54	15	208/1/60	57	CU-2	1,2
AC-2	HHC COLLAB	CASSETTE	TPLFYP024EM1M0A	27,000	24,000	R-32	5/8	3/8	0.54	15	208/1/60	57	CU-2	1,2
AC-3	C-COMPANY COLLAB	CASSETTE	TPLFYP024EM1M0A	27,000	24,000	R-32	5/8	3/8	0.54	15	208/1/60	57	CU-2	1,2
AC-4	FITNESS	CEILING MOUNTED	TPEFYP048MA1M0A	54,000	48,000	R-32	5/8	3/8	3.38	15	208/1/60	86	CU-2	1,2,3
AC-5	IT 208	WALL MOUNTED	PKA-AL12NL	-	12,000	R-454B	1/2	1/4	Powered by Outdoor unit		208/1/60	28	CU-3	1,2

REMARKS:
1) PROVIDE TW-50 FOR INTEGRATION WITH EXISTING TRACER SC+.
2) UNITS TO BE PROVIDED WITH CONDENSATE PUMP LITTLE GIANT VCMA-20UL
3) PROVIDE SECONDARY DRAIN PAN

FANS SCHEDULE

BASIS OF DESIGN: GREENHECK

TAG NUMBER	SERVICE	LOCATION	TOTAL AIR CAPACITY CFM	QTY	TOTAL EXTERNAL S.P. IN INCHES OF W.G	MOTOR HP	BHP	FAN RPM	DRIVE	MIN CIRCUIT AMPACITY (MCA)	MAX OVERLOAD (MOCP)	VOLTS/HZ/PH	MODEL NUMBER	REMARKS
EF-1	RESTROOM (LOWER LEVEL)	ROOF	600	1	0.61	1/4	0.12	1324	DIRECT	2.6	15	208/60/1	G-099-VG	2,4,6
EF-2	JANITOR'S CLOSET	UPPER LEVEL	50	1	0.5	1/64	0.01	685	DIRECT	1.9	15	115/60/1	SP-LP0511-1	2,4
EF-3	ELEVATOR	ROOF	600	1	0.4	1/6	0.08	1638	DIRECT	1.9	15	208/60/1	G-090-VG	2,4,6
EF-4	WOMEN'S & MEN'S LATRINE	ROOF	650	1	0.5	1/4	0.04	1434	DIRECT	0.4	15	208/60/1	G-080-VG	2,4,6
EF-5	ELECTRICAL ROOM	LOWER LEVEL	100	1	0.5	0.03	0.03	1229	DIRECT	1.1	15	208/60/1	CSP-A390-BG	2,4
EF-6	KITCHEN	LOWER LEVEL	1800	1	0.5	1	0.91	3032	BELT	5.75	20	208/60/3	USF-10	1,2,3,5,6
EF-7	DRILL HALL	ROOF	1440	1	0.5	1/2	0.27	1420	DIRECT	3	15	208/60/3	GB-120-A	4,6

2

REMARKS:
1) KITCHEN EXHAUST FAN TO BE PROVIDED WITH GREASE CUP.
2) PROVIDE WITH MOTORIZED DAMPER.
3) H-CONTRACTOR TO PROVIDE FIELD INSTALLED DDC CONTROLLER.
4) ALL FRACTIONAL HP MOTORS ARE TO BE PROVIDED WITH EC MOTORS.
5) PROVIDE WITH VFD
6) H-CONTRACTOR TO FURNINSH THE ROOF CURBS, C-CONTRACTOR TO INSTALL ROOF CURBS WITH MAINTAINING EXISTING ROOF WARANTY.

VAV BOX SCHEDULE

BASIS OF DESIGN: TRANE VCWF

UNIT No.	SYSTEM	MIN. CFM (FOR REHEAT COIL)	TOTAL SUPPLY CFM	INLET DIA. IN.	NUMBER OF ROWS	HOT WATER COIL (GPM)	PRESSURE DROP ON FLUID (IN.WG.)	ELECTRICAL	HOT WATER COIL(MBH)	REMARKS
VAV-1	HVAC-1	105	460	8	2	1	0.71	208/1	12.42	1-8
VAV-2	HVAC-1	320	840	8	2	4	1.41	208/1	22.68	1-8
VAV-3	HVAC-1	40	300	5	2	0.5	0.22	208/1	8.1	1-8
VAV-4	HVAC-1	320	950	10	2	2.5	0.75	208/1	25.65	1-8
VAV-5	HVAC-1	60	380	6	2	1	0.39	208/1	10.26	1-8
VAV-6	HVAC-1	450	1100	12	2	3	1.29	208/1	29.7	1-8
VAV-7	HVAC-1	100	320	5	2	1	0.25	208/1	8.64	1-8
VAV-8	HVAC-1	320	950	10	2	2.5	0.75	208/1	25.65	1-8
VAV-9	HVAC-1	120	450	6	2	1	0.65	208/1	12.15	1-8
VAV-10	HVAC-1	120	400	6	2	1	0.46	208/1	10.8	1-8
VAV-11	HVAC-1	165	730	8	2	3	0.61	208/1	19.71	1-8
VAV-12	RTU-1	400	1875	12	2	7.5	2.63	208/1	50.62	1-8
VAV-13	RTU-1	320	1225	10	2	2.5	0.90	208/1	27	1-8
VAV-14	RTU-1	50	200	4	1	1	1.28	208/1	5.4	1-8
VAV-15	HV-2	130	660	8	2	2.5	0.42	208/1	17.82	1-8
VAV-16	HV-2	152	770	8	2	3.5	0.76	208/1	20.79	1-8
VAV-17	HV-2	270	1450	10	2	4	0.87	208/1	39.42	1-8
CAV-1	HVAC-1	650	650	8	2	3	0.68	208/1	17.5	1-8
CAV-2	RTU-1	625	625	8	2	2	0.35	208/1	16.87	1-8
CAV-3	HV-2	680	680	8	2	2.5	0.45	208/1	18.36	1-8
CAV-4	HV-2	1050	1050	10	2	3	1.08	208/1	28.35	1-8

2

REMARKS:
1) PROVIDE WITH 1" FOIL FACED INSULATION.
2) PROVIDE WITH FACTORY INSTALLED HOT WATER PIPING PACKAGE WITH 2-WAY MODULATING CONTROL VALVE.
3) PROVIDE WITH INTERNAL SOUND ATTENUATOR.
4) PROVIDE WITH FACTORY MOUNTED AND PRE-PROGRAMMED BACnet DDC CONTROLLER.
5) PROVIDE WITH FACTORY INSTALLED DAMPER ACTUATOR.
6) PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.
7) PROVIDE WITH LOW VOLTAGE WIRED ZONE TEMPERATURE SENSOR.
8) PROVIDE 50 VA 208V/24V TRANSFORMER.
9) CONTRACTOR TO SELECT THE BALANCING VALVE SIZE BASED ON THE GPM RANGE OF THE COIL NOT BASED ON THE PIPE DIAMETER.

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

SHEET TITLE: HVAC SCHEDULES SHEET NO.1

DRAWING NUMBER: M-002

EXISTING PUMP SCHEDULE

UNIT NO.	LOCATION	SYSTEM SERVED	CAPACITY		MOTOR DATA				MOTOR CONTROLLER			ELECTRICAL				ARRANGEMENTS	MAKE AND MODEL
			GPM	FT. OF HEAD	HP	RPM	EFFICIENCY	TYPE	NEMA ENCLOSURE	POLES	ACCESSORIES	VOLTS//PHASE	UNIT MCA	UNIT MOP	CONN. POINTSS		
P-1	MECHANICAL ROO...	BUILDING HEAT	105	45	2	3600	74.1	AS-PWM	12	3	HOA-XMER-PL, CONTROL CIRCUIT TRANSFORMER	208/3	14	20	1	VERTICAL IN-LINE	BELL & GOSSETT e-90 STOCK 2AAC
P-2	MECHANICAL ROO...	BUILDING HEAT	105	45	2	3600	74.1	AS-PWM	12	3	HOA-XMER-PL, CONTROL CIRCUIT TRANSFORMER	208/3	14	20	1	VERTICAL IN-LINE	BELL & GOSSETT e-90 STOCK 2AAC

REMARKS:
1. EXISTING SCHEDULE IS JUST FOR REFERENCE

AIR HANDLING UNIT SCHEDULE (EXISTING)

UNIT NO.	TOTAL SUPPLY C.F.M	MINIMUM O.A. C.F.M	SUPPLY FAN			ELECTRICAL			HOT WATER COIL						DX COOLING COIL				PHYSICAL PROPERTIES				MAKE AND MODEL
			H.P.	FAN R.P.M.	E.S.P.	VOLTS/PHASE	MCA	MOP	GPM	CAPACITY (Mbh)	E.A.T. (F)	L.A.T (F)	E.W.T (F)	L.W.T (F)	E.A.T. (F)	L.A.T (F)	TOTAL CAPACITY (Mbh)	SENS. CAPACITY (Mbh)	LENGTH	WIDTH	HEIGHT	WEIGHT LBS	
HVAC-1	7530	1200	10	2172	2	208/3	53	90	11.46	172	48	69	130	100	78.6/65.4	57.9/55.8	220.5	170.9	100.2	71	45.6	1465	TRANE-UCCAH14A

REMARKS:
1. EXISTING SCHEDULE IS JUST FOR REFERENCE
2. H-CONTRACTOR TO COORDINATE WITH EXISTING HVAC-1 MANUFACTURER (TRANE) FOR THE REPLACEMENT OF THE SUPPLY FAN AND MOTOR. REFER TO M-100 FOR ADDITIONAL INFORMATION.
3. FACTORY REPRESENTATIVES SHALL PROVIDE ON-SITE ASSISTANCE FOR BMS INTEGRATION.
4. FACTORY REPRESENTATIVES SHALL PROVIDE END-USER TRAINING UPON COMPLETION OF THE INSTALLATION OF EQUIPMENT.
5. FACTORY REPRESENTATIVES SHALL STARTUP AND COMMISION UPON COMPLETION OF EQUIPMENT INSTALLATIONS.

HEATING VENTILATOR SCHEDULE

BASIS OF DESIGN: TRANE

UNIT NO.	TOTAL SUPPLY C.F.M	MINIMUM O.A. C.F.M	SUPPLY FAN			ELECTRICAL			HOT WATER COIL						PHYSICAL PROPERTIES				MANUFACTURER
			H.P.	FAN R.P.M.	E.S.P.	VOLTS/PHASE	UNIT MCA	UNIT MOCP	GPM	CAPACITY (Mbh)	E.A.T. (F)	L.A.T (F)	E.W.T (F)	L.W.T (F)	LENGTH	WIDTH	HEIGHT	WEIGHT LBS	
HV-1	5640	1440	5	1111	1.0	208/3	28	50	16.59	248.15	55.30	95.87	130	100	95.7	63	38	1061.6	TRANE-UCCAA10A0J0LH014000000EDL00DB1CC0000B0B0
HV-2	4580	1285	5	1126	1.7	208/3	28	50	8.62	129	53.1	70	130	100	95.7	63	38	1005.3	TRANE-UCCAA10A0J0LE014000000EDL00DB1CC0000B0B0

2

REMARKS:
1. PROVIDE WITH VFD MOTOR.
2. PROVIDE WITH FUSED-DISCONNECT.
3. PROVIDE WITH FACTORY MOUNTED DDC CONTROLLER.
4. FACTORY REPRESENTATIVES SHALL PROVIDE ON-SITE ASSISTANCE FOR BMS INTEGRATION.
5. FACTORY REPRESENTATIVES SHALL PROVIDE END-USER TRAINING UPON COMPLETION OF THE INSTALLATION OF EQUIPMENT.
6. FACTORY REPRESENTATIVES SHALL STARTUP AND COMMISION UPON COMPLETION OF EQUIPMENT INSTALLATIONS.

GRILLES, REGISTER, DIFFUSERE SCHEDULE

BASIS OF DESIGN: TITUS

TAG	MODEL	NECK (NK) SIZE	PANEL OR FACE SIZE	CFM RANGE	NC (MAX.)	REMARKS
SD-1	OMNI	6	24" X 24"	200-600	28	1,2
SD-2	OMNI	8	24" X 24"	200-600	25	1,2
SD-3	OMNI	10	24" X 24"	200-600	30	1,2
RG-1	PRM	REFER TO PLANS	24" X 24"	50-750	30	1,2
RG-2	PRM	REFER TO PLANS	12"X12"	50	30	1,2
RR-1	S301FL	REFER TO PLANS	REFER TO PLANS	50-835	35	2
SR-1	S300PS	REFER TO PLANS	REFER TO PLANS	50-835	35	2
SR-2	ML-37	REFER TO PLANS	REFER TO PLANS	300	30	3

2

REMARKS:
1. PROVIDE WITH LAY-IN BORDER
2. COLOR TO BE SELECTED AND COORDINATED WITH ARCHITECT
3. THE LINEAR DIFFUSER TO BE INSTALLED IN DUCT AND TO BE MOUNTED ON THE CEILING.

ASHRAE 15 - 2019 A2L REFRIGERANT CALCULATION

Project: OGS Yonkers Armory
A&J Project #: 2442

Refrigerant Type	R-32
RCL (lb/1000ft^3)	4.8

System	CU-1
System Charge (lb)	21

SPACE	AREA (SF)	CEILING HEIGHT (FT)	ROOM VOLUME (FT^3)	TOTAL VOLUME (FT^3)	EDVC	ASHRAE 15 COMPLIANT?
BN COLLAB STATIONS (212)	1127	9	10143	10143	48.6864	YES
HHC COLLAB (215)	777	9	6993	6993	33.5664	YES
C-COMPANY COLLAB (228)	643	9	5787	5787	27.776	YES
FITNESS (110)	530	10	5300	5300	25.44	YES

Refrigerant Type	R-454B
RCL (lb/1000ft^3)	4.6

System	CU-2
System Charge (lb)	4

SPACE	AREA (SF)	CEILING HEIGHT (FT)	ROOM VOLUME (FT^3)	TOTAL VOLUME (FT^3)	EDVC	ASHRAE 15 COMPLIANT?
IT CLOSET	107	9	963	963	4.4298	YES

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H
DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

SHEET TITLE:
HVAC SCHEDULES
SHEET NO.2

DRAWING NUMBER:
M-003

YONKERS ARMORY VENTILATION INDEX CALCULATION

S.N	Room Name & Number	NYS MECHANICAL CODE																			
		Area sqft =Az	Occupancy* =Pz	Required OA CFM/Person =Rp	Required OA CFM/sqft =Ra	Exhaust CFM (Per Code)	Design Exhaust CFM	Required OA CFM =Vbz	UNIT	Effectiveness =Ez	Voz	SA (Vpz)	Zp	Ev	D	Rp*Pz	Sum(Rp*Pz)	Ra*Az	Sum(Ra*Az)	Vou	Vot
1	BN COMMANDER OFFICE 201	305	2	5	0.06	0	0	28		0.8	35	200	0.18			10		18			
2	BN CSM OFFICE 202	148	2	5	0.06	0	0	19		0.8	24	130	0.18			10		9			
3	BN OPS OFFICE 203	159	1	5	0.06	0	0	15		0.8	18	125	0.15			5		10			
4	BN ASST OPS OFFICE 204	155	1	5	0.06	0	0	14		0.8	18	125	0.14			5		9			
5	BN EXEC OFFICE 205	127	1	5	0.06	0	0	13		0.8	16	130	0.12			5		8			
6	BN OPS NCOIC OFFICE 206	129	1	5	0.06	0	0	13		0.8	16	130	0.12			5		8			
7	OFFICE 207	200	1	5	0.06	0	0	17		0.8	21	170	0.13			5		12			
8	BN COMMSEC OFFICE 209	121	1	5	0.06	0	0	12		0.8	15	100	0.15			5		7			
9	SIPR 210	123	1	5	0.06	0	0	12		0.8	15	100	0.15			5		7			
10	BM OFFICE 211	127	1	5	0.06	0	0	13		0.8	16	120	0.13			5		8			
11	BN COLLAB STATIONS 212	1154	8	5	0.06	0	0	109		0.8	137	1100	0.12			40		69			
12	HHC CDR & 1SG OFFICE 213	197	2	5	0.06	0	0	22		0.8	27	150	0.18			10		12			
13	HHC UNIT ADM & READINESS NCO OFFICE 214	193	2	5	0.06	0	0	22		0.8	27	150	0.18			10		12			
14	HHC COLLAB 215	807	6	5	0.06	0	0	78		0.8	98	950	0.10			30		48			
15	RECRUITING 216	502	4	5	0.06	0	0	50		0.8	63	370	0.17			20		30			
16	HHC STORAGE 217	100	1	5	0.06	0	0	0	HVAC-1	0.8	0	50	0.00	0.7	1.21875	5	265	6	495	818	1168
17	GENERAL STORAGE 218	140	1	5	0.06	0	0	13		0.8	17	70	0.24			5		8			
18	LOBBY 219	665	5	0	0.06	0	0	40		0.8	50	300	0.17			0		40			
19	BREAK 221	313	2	5	0.06	0	0	29		0.8	36	400	0.09			10		19			
20	WELL 222	72	1	5	0.06	0	0	9		0.8	12	60	0.19			5		4			
21	COPY ROOM 224	60	1	5	0.06	0	0	0		0.8	0	100	0.00			5		4			
22	STATE STORAGE 225	102	1	5	0.06	0	0	11		0.8	14	50	0.28			5		6			
23	C-COMP CDR & 1SG OFFICE 226	165	1	5	0.06	0	0	15		0.8	19	150	0.12			5		10			
24	C-COMP UNIT ADM & READINESS NCO OFFICE...	175	1	5	0.06	0	0	16		0.8	19	150	0.13			5		11			
25	C-COMPANY COLLAB 228	714	5	5	0.06	0	0	68		0.8	85	950	0.09			25		43			
26	CONFERENCE 235	295	2	5	0.06	0	0	28		0.8	35	400	0.09			10		18			
27	OFFICE 236	146	1	5	0.06	0	0	14		0.8	17	150	0.11			5		9			
28	OFFICE 237	147	1	5	0.06	0	0	14		0.8	17	150	0.12			5		9			
29	FACILITIES MANAGER 238	152	1	5	0.06	0	0	14		0.8	18	150	0.12			5		9			
30	CORRIDOR C1	556	4	0	0.06	0	0	33		0.8	42	350	0.12			0		33			
31	CORRIDOR C2B	259	2	0	0.06	0	0	16		0.8	19	100	0.19			0		16			
32	VEST 229 (CORRIDOR)	65	0	0	0.06	0	0	4		0.8	4.875	50	0.0975			0		4			
33	WOMENS LATRINE 230	364	3	0	0	275	275	0		0.8	0	175	0			0		0			
34	WOMENS GEAR STORAGE 231	1136	20	0	0	568	568	568		0.8	710	1000	0.71			0		0			
35	AUX GEAR STORAGE 232	754	14	5	0.06	0	0	115	RTU-1	0.8	144.05	200	0.72025	0.8	0.166666667	70	70	45	73	85	2407
36	MENS LATRINE 233	560	4	0	0	375	375	0		0.8	0	350	0			0		0			
37	MENS GEAR STORAGE 234	2208	41	0	0	1104	1104	1104		0.8	1380	1875	0.736			0		0			
38	CORRIDOR C2B	399	2	0	0.06	0	0	24		0.8	29.925	100	0.29925			0		24			
40	MULTIPURPOSE 117	2574	141	7.5	0.06	0	0	1212	RTU-2	0.8	1515	2505									1515
41	FACILITY STORAGE 102A	237.3	1	5	0.06	0	0	19		0.8	24	75	0.32			5		14			
42	OUTDOOR EQUIPMENT STORAGE 102B	238	1	5	0.06	0	0	19		0.8	24	75	0.32			5		14			
43	EXISTING KITCHEN 103	728	4	7.5	0.12	1800	0	117.36		0.8	147	900	0.16			30		87			
44	GENERAL STORAGE 104	499	2	5	0.06	0	0	40		0.8	50	150	0.33			10		30			
45	MENS LATRINE 106	255	2	0	0	225	250	0	HV-2	0.8	N/A	150	N/A			0		0			
46	WOMENS LATRINE 109	250	2	0	0	225	250	0		0.8	N/A	150	N/A	0.8	0.270833333	0	500	0	492	628	1285
47	FITNESS 110	1021	18	20	0.06	0	0	421		0.8	527	1308	0.40			360		61			
48	HHC STORAGE 111	2226	8	5	0.06	0	0	174		0.8	217	660	0.33			40		134			
49	OFFICE 112	252	2	5	0.06	0	0	25		0.8	31	110	0.29			10		15			
50	C-COMPANY STORAGE 116	2279	8	5	0.06	0	0	177		0.8	221	660	0.33			40		137			
51	JAN 107	88	0	0	0	25	0	0		0.8	N/A	25	N/A			0		0			
51	DRILL HALL 118	2334	156	7.5	0.06	0	0	1310	HV-1	1	1310	5640									1438
52	CORRIDOR C5	242	0	0	0.06	0	0	15		0.8	18										
53	CORRIDOR C4	1461	0	0	0.06	0	0	88		0.8	110										

2

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CONSULTANT

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A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS

DRAWN BY: SJ

FIELD CHECK: HS

APPROVED: HS

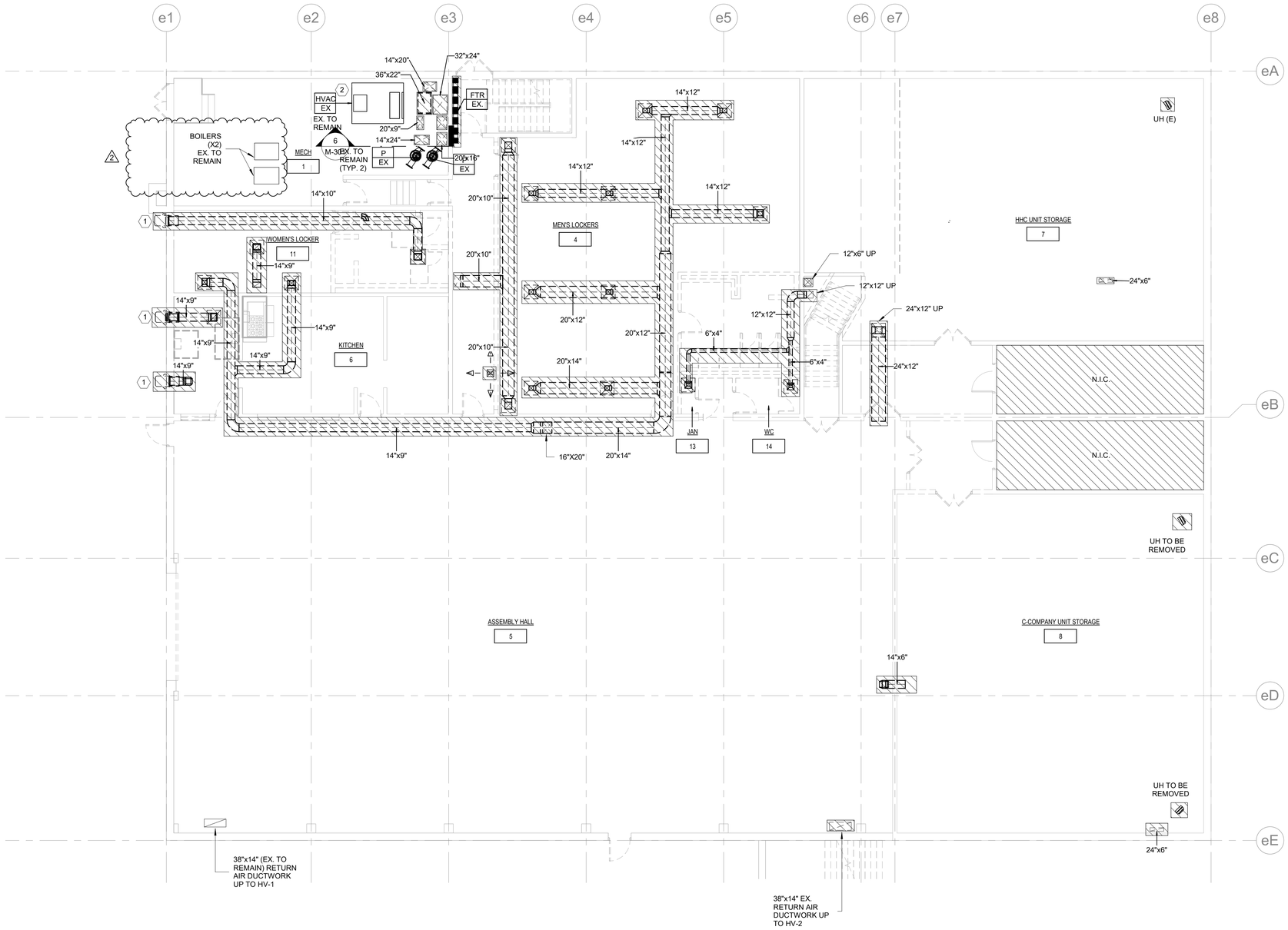
SHEET TITLE: HVAC VENTILATION SCHEDULE

DRAWING NUMBER: M-004

KEYNOTES: (X)

1. WALL MOUNTED EXHAUST FANS ARE TO BE REMOVED. WALL RENOVATION/PATCHING TO BE PROVIDED AND COORDINATED WITH C-CONTRACTOR.

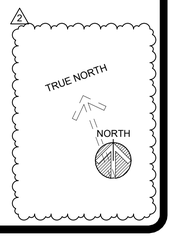
2. REMOVE ALL THE DUCTWORK TO THE UNIT. HVAC-1 TO BE PROTECTED DURING THE TIME OF DEMOLISION AND TO BE USED AGAIN AT THE EXISTING LOCATION.



D 1 / M-060 HVAC LOWER LEVEL - REMOVAL PLAN

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"



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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

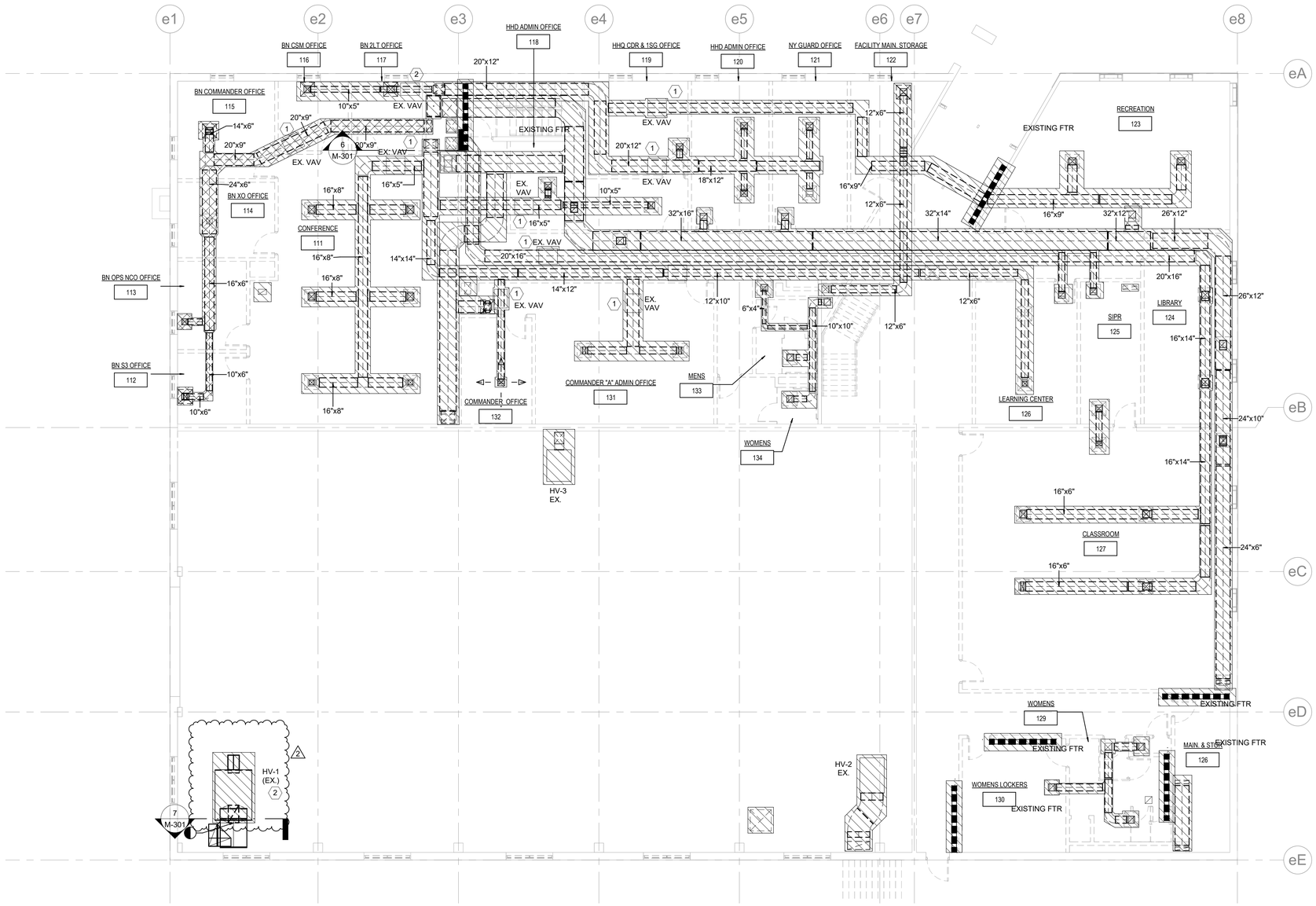
SHEET TITLE: HVAC LOWER LEVEL - REMOVAL PLAN

DRAWING NUMBER: M-060

KEYNOTES: (X)

(1) REMOVE THE EXISTING VAV BOX AND ALL THE ASSOCIATED DUCTWORK AND PIPING. RETURN EXISTING VAV BOXES TO DMNA.

(2) REMOVE EXISTING UNIT AND PROTECT THE UNIT STRUCTURAL SUPPORTS FOR THE NEW UNITS TO BE INSTALLED IN PLACE.



D 1 M-061

HVAC UPPER LEVEL - REMOVAL PLAN

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

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07/20/2026

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LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

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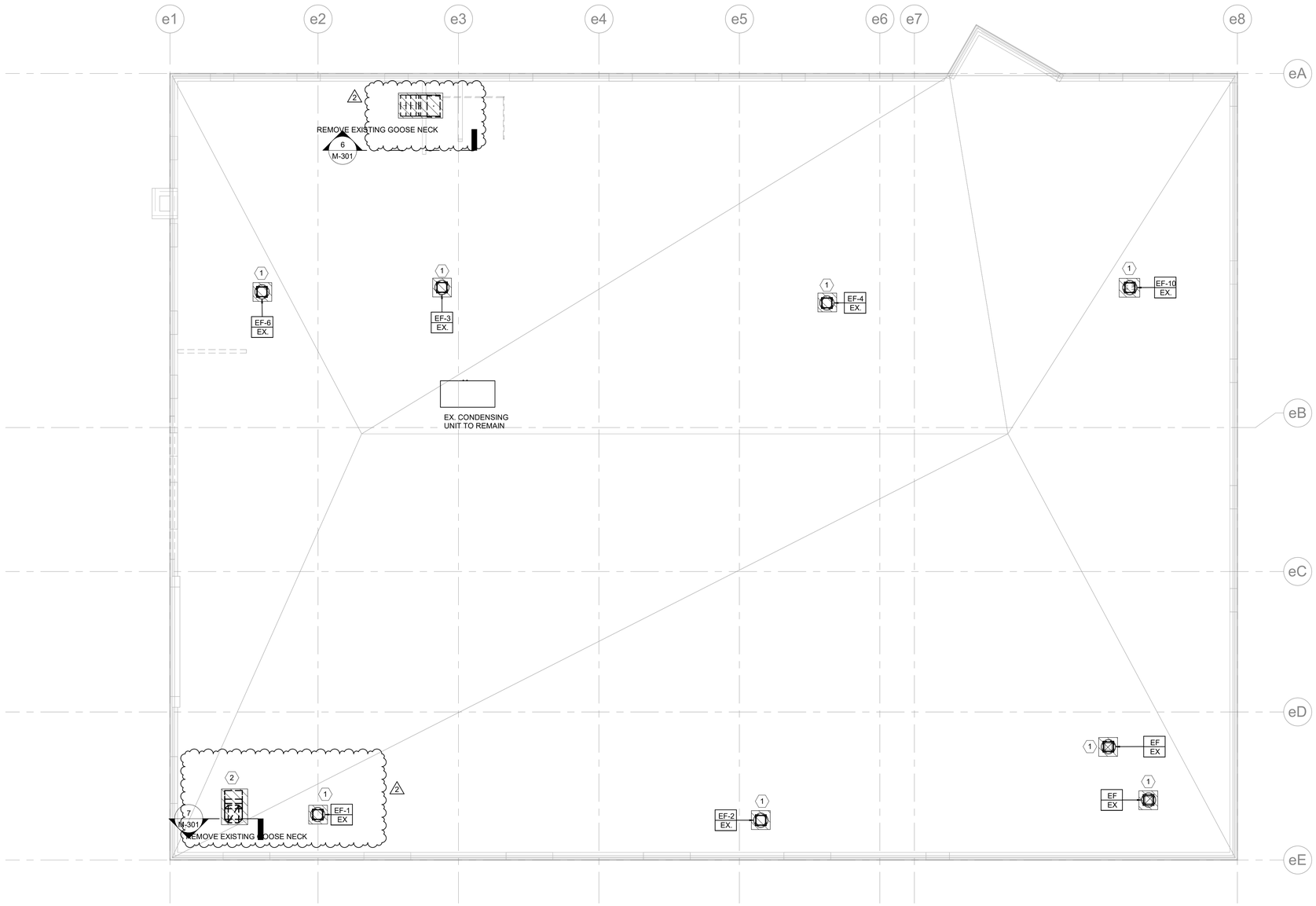
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC UPPER LEVEL - REMOVAL PLAN

DRAWING NUMBER: M-061



D 1
M-062

HVAC ROOF - REMOVAL PLAN

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. EXISTING ROOF IS UNDER WARRANTY. PENETRATIONS/MODIFICATIONS ARE TO BE PROVIDED BY THE C-CONTRACTOR, UNLESS SPECIFIED OTHERWISE. H-CONTRACTOR SHALL PROTECT THE ROOF AND ANY EXISTING EQUIPMENT TO REMAIN DURING THEIR WORK. ANY DAMAGE BY THE H-CONTRACTOR AS A RESULT OF THEIR WORK SHALL BE REPAIRED BY A CERTIFIED AND APPROVED ROOFER, AT NO EXPENSE TO THE STATE SUBJECT TO BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE.

KEYNOTES: (X)

(1) REMOVE THE EXISTING EXHAUST FAN. REFER AND COORDINATE WITH C-CONTRACTOR FOR PATCHING AND FLASHING WORK AFTER REMOVAL OF EQUIPMENT.

(2) REMOVE EXISTING PENETRATION. REFER AND COORDIANTE WITH C-CONTRACTOR FOR PATCHING AND FLASHING WORK AFTER REMOVAL OF EQUIPMENT.

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STATE OF NEW YORK
RAYMOND C. WONG
108677
LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:
HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

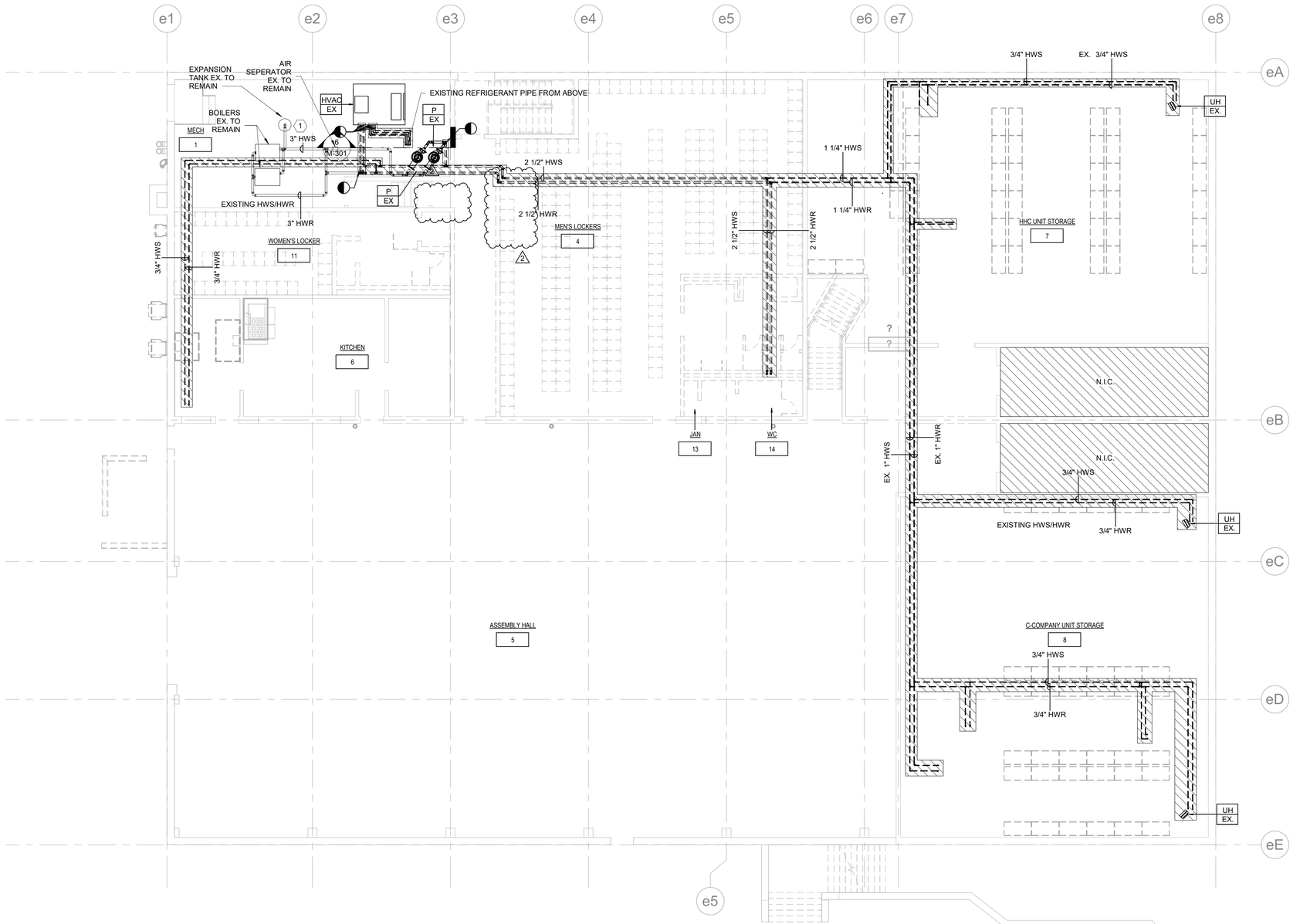
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
HVAC ROOF – REMOVAL PLAN

DRAWING NUMBER:
M-062

KEYNOTES: (X)

(1) EXISTING HOT WATER PUMPS TO REMAIN AND TO BE PROTECTED DURING THE REMOVAL WORK.

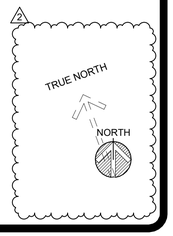


D | 1
M-063

LOWER LEVEL PIPING REMOVAL

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"



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07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

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LOCATION: STATE ARMORY
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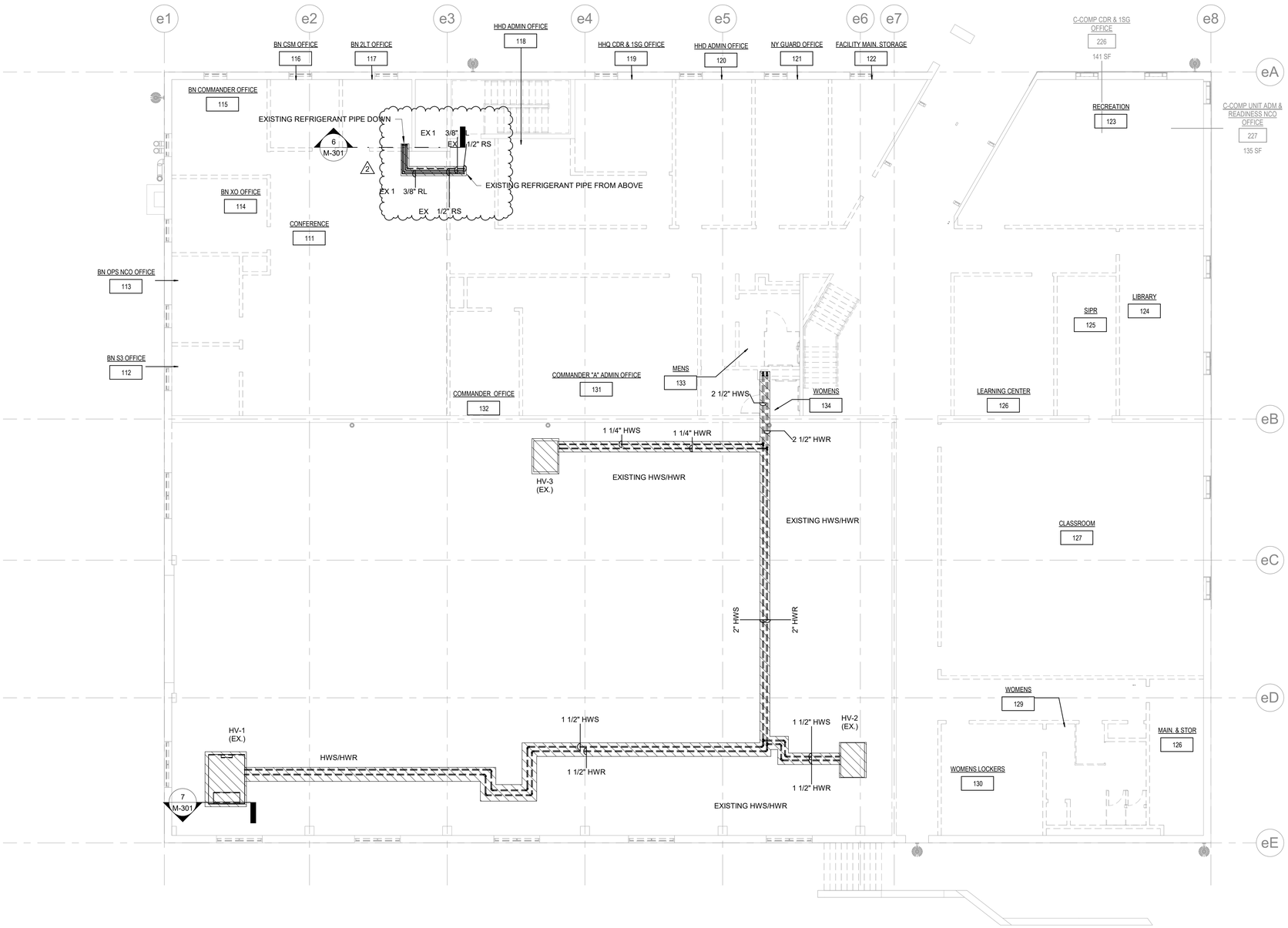
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC LOWER LEVEL PIPING PLAN – REMOVAL PLAN

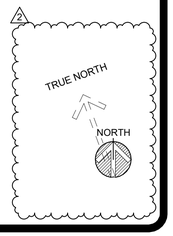
DRAWING NUMBER: M-063



D 1
M-064

UPPER LEVEL - PIPING REMOVAL

SCALE: 1/8" = 1'-0"



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CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:

HVAC

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

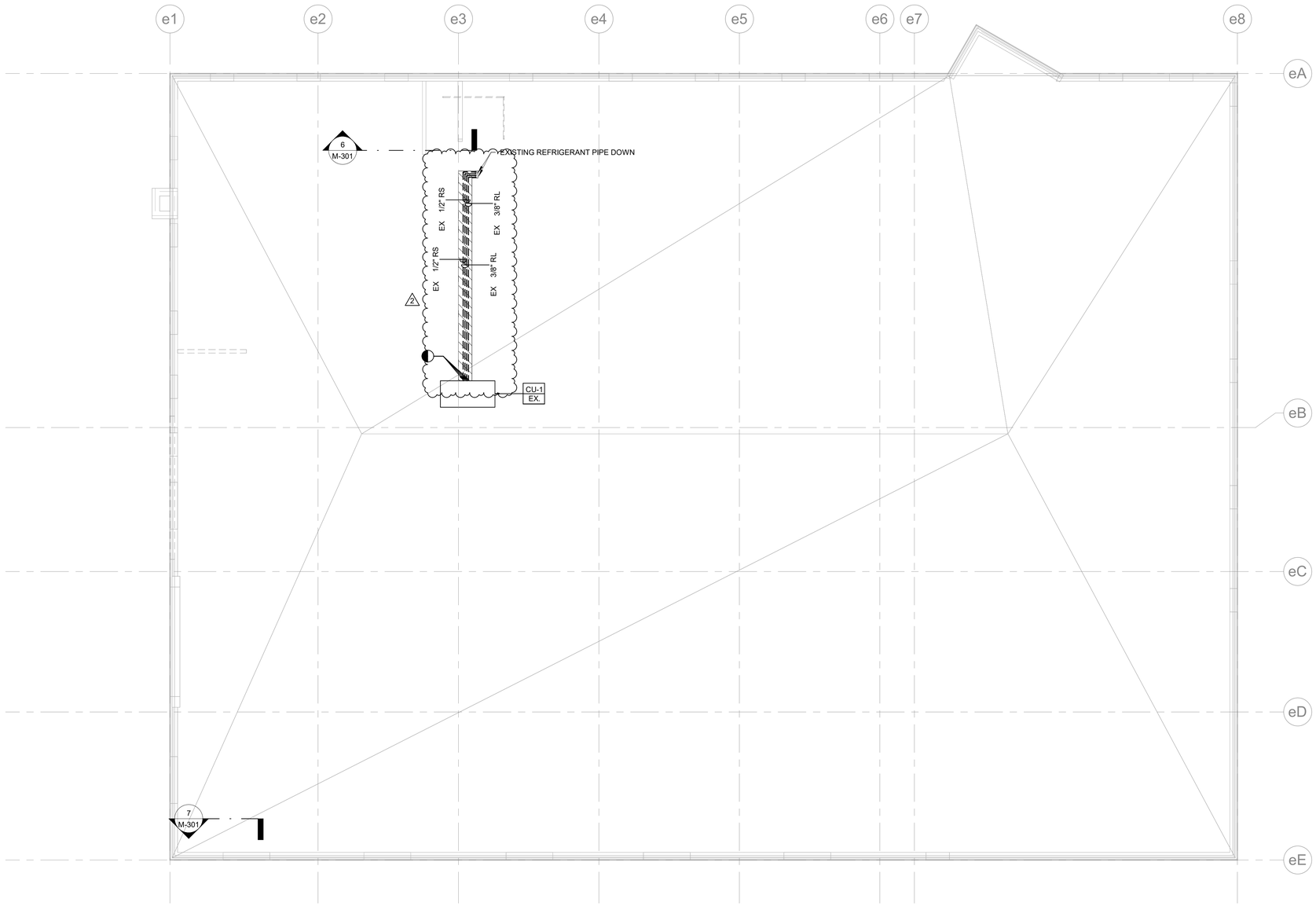
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

HVAC UPPER LEVEL PIPING PLAN – REMOVAL PLAN

DRAWING NUMBER:

M-064



D 1 M-065 HVAC ROOF - PIPING REMOVAL PLAN

SCALE: 1/8" = 1'-0"

0" 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT:

HVAC

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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	11/24/2025	PERMIT SET

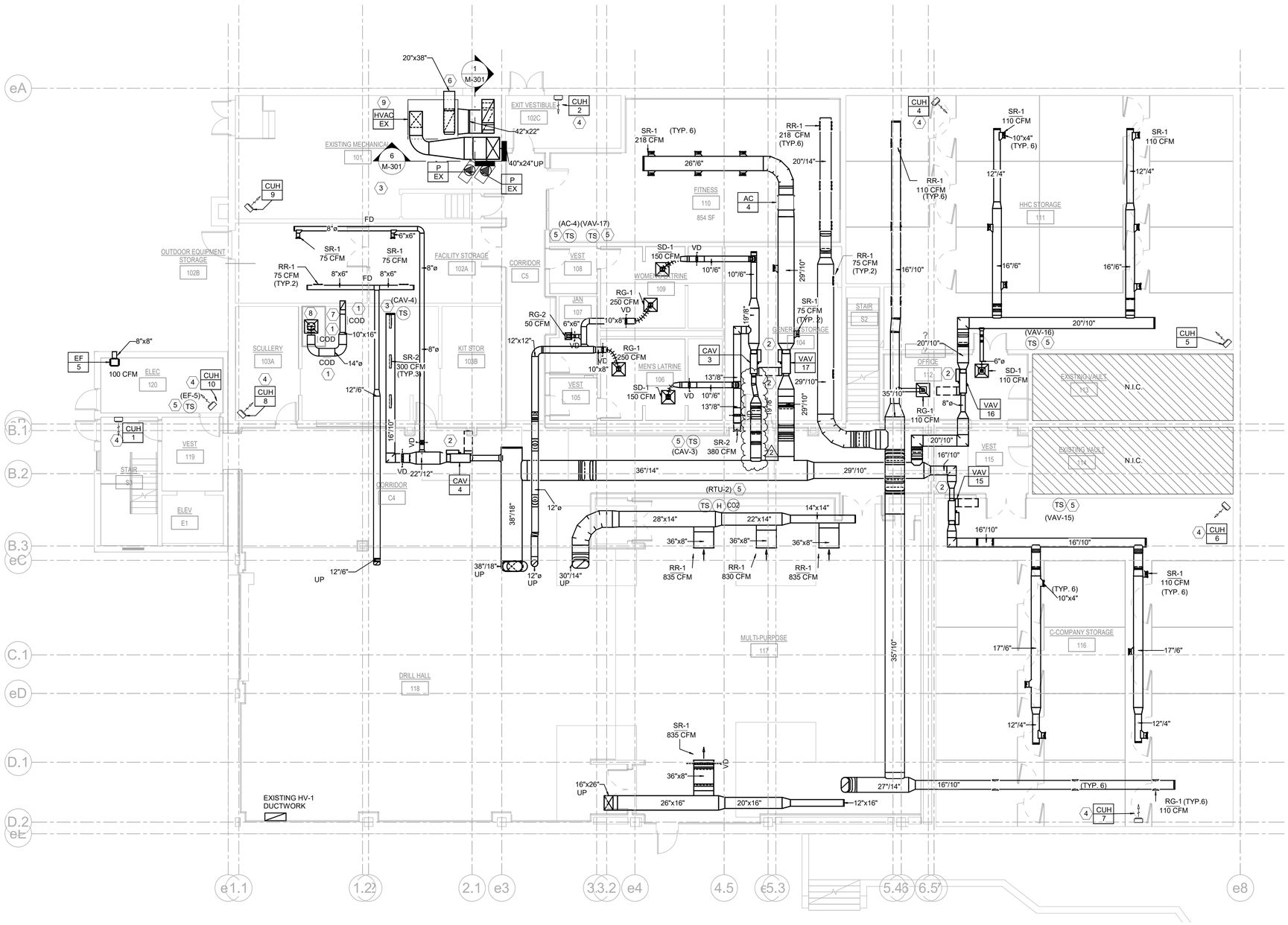
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

HVAC ROOF PIPING PLAN – REMOVAL PLAN

DRAWING NUMBER:

M-065



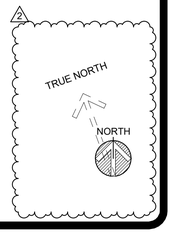
D 1
M-100
LOWER LEVEL - DUCTWORK
SCALE: 1/8" = 1'-0"
0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. ALL DUCTWORK SIZE TAGS ANNOTATIONS WITH "XX/XX" REPRESENTS DOUBLE WALL FLAT OVAL DUCTWORK. TYPICAL FOR ALL SHEETS.
2. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION.

KEYNOTES: (X)

1. PROVIDE EXHAUST DUCT WITH CLEAN-OUT. KITCHEN EXHAUST DUCT AND ASSOCIATED SUPPORTS SHALL BE INSTALLED AS PER NYS MECHANICAL CODE 2020.
2. COORDINATE SUPPLY DUCT TRANSITION WITH INLET SIZE OF VAV BOXES, REFER TO VAV SCHEDULE FOR INLET SIZES.
3. PROVIDE 1-1/2 HOUR RATED FIRE DAMPER.
4. PROVIDE ELECTRIC UNIT HEATER, COORDINATE ELEVATIONS WITH C-CONTRACT DRAWINGS.
5. PROVIDE THERMOSTAT/HUMIDISTAT, CO2 SENSORS, OR TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR (A.F.F.)
6. PROVIDE LOUVER WITH MOTORIZED DAMPER. INTERLOCK WITH EXISTING HVAC-1 FOR EXHAUST.
7. TYPE 1 GREASE DUCTWORK UP TO UPPER LEVEL. COORDINATE SHAFT DIMENSIONS WITH C- CONTRACT DRAWINGS.
8. COORDINATE EXHAUST DUCT COLLAR DIMENSIONS FOR CONNECTION. WITH EXISTING TYPE-1 GREASE HOOD.
9. H-CONTRACTOR TO COORDINATE WITH EXISTING HVAC-1 MANUFACTURER (TRANE) FOR THE REPLACEMENT OF THE SUPPLY FAN AND MOTOR. NEW FAN TO DELIVER 7530 CFM AT 4.3" OF TOTAL STATIC PRESSURE AND MINIMUM 2.0" OF EXTERNAL STATIC PRESSURE. PROVIDE NEW 10 H.P VARIABLE FREQUENCE DRIVE (VFD) MOTOR WITH VFD FOR NEW FAN.



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CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

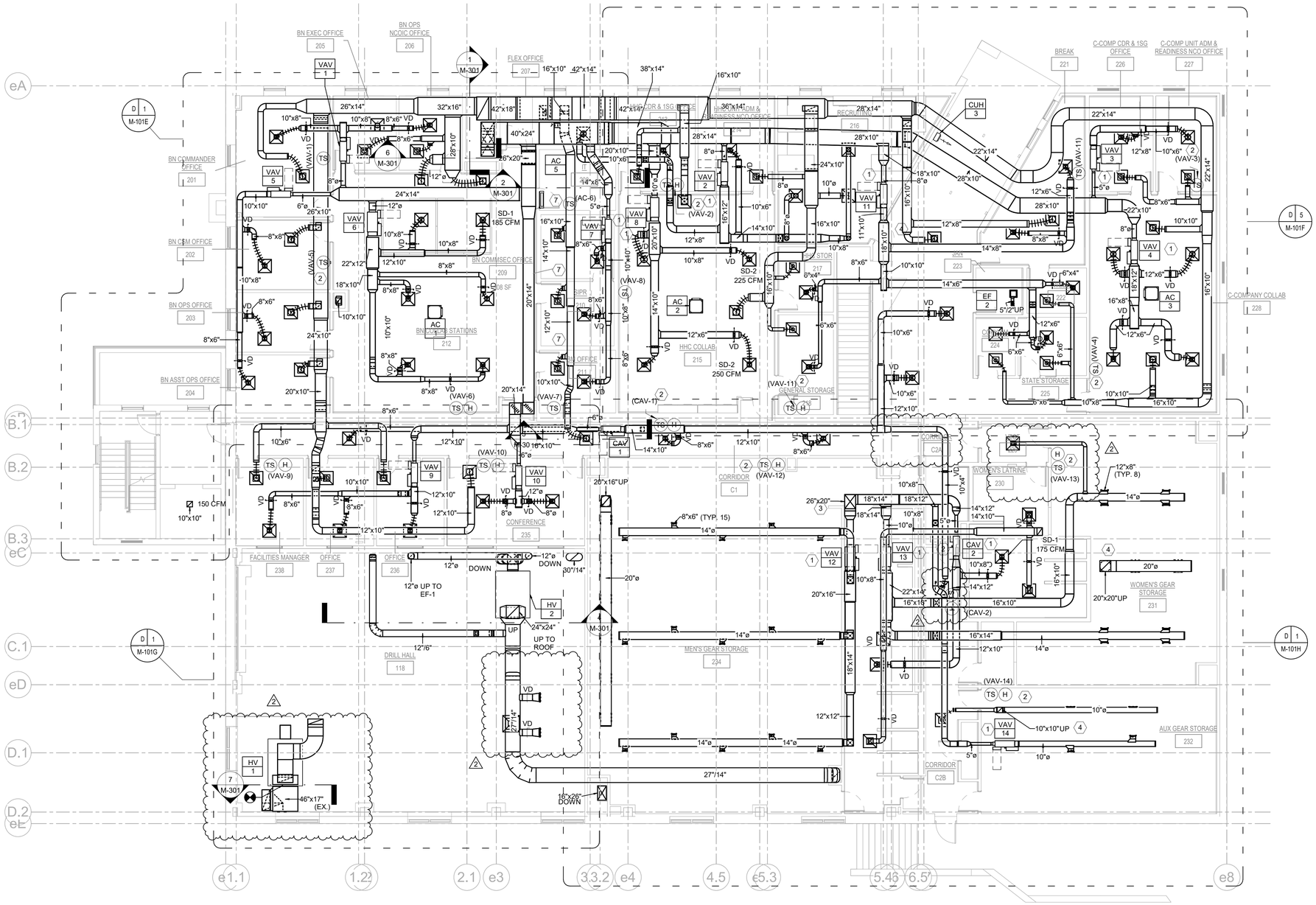
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC LOWER LEVEL DUCTWORK PLAN

DRAWING NUMBER: M-100

SHEET 117 OF 198



D 1
M-101 UPPER LEVEL - DUCTWORK
SCALE: 1/8" = 1'-0"

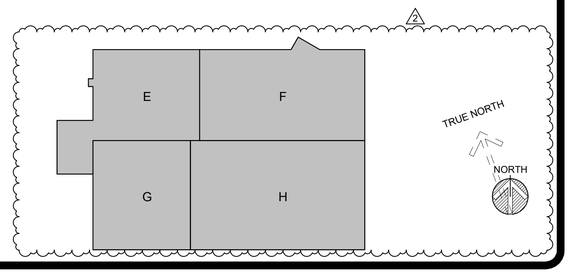
0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. PROVIDE CABLE OPERATED DAMPERS WHERE DIFFUSERS/GRILLES ARE INSTALLED WITHIN HARD GYP. BOARD CEILING.
2. ALL DUCTWORK SIZE TAGS ANNOTATIONS WITH XX/XX REPRESENTS DOUBLE WALL FLAT OVAL DUCTWORK. TYPICAL FOR ALL SHEETS.
3. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

1. COORDINATE SUPPLY DUCT TRANSITION WITH INLET SIZE OF VAV BOXES, AND PROVIDE MINIMUM OF THREE TIMES THE DUCT DIAMETER OF STRAIGHT DUCT LENGTH PRIOR TO CONNECTION OF VAV/CAV BOX. REFER TO VAV SCHEDULE FOR INLET SIZES.
2. PROVIDE A THERMOSTAT/HUMIDISTAT, CO2 SENSORS, OR TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR (A.F.F.)
3. SUPPLY DUCTWORK UP TO RTU-1
4. RETURN DUCTWORK UP TO RTU-1
5. SUPPLY DUCTWORK UP TO RTU-2
6. RETURN DUCTWORK UP TO RTU-2
7. DUCTWORK PASSING THROUGH WALLS ON SIPR AND COMSEC ROOMS AND CREATING OPENING > 96 SQ IN., REQUIRE WELDED 1/2 INCH STEEL BAR (6" O.C.) OR APPROVERD EXPANDED METAL.



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STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

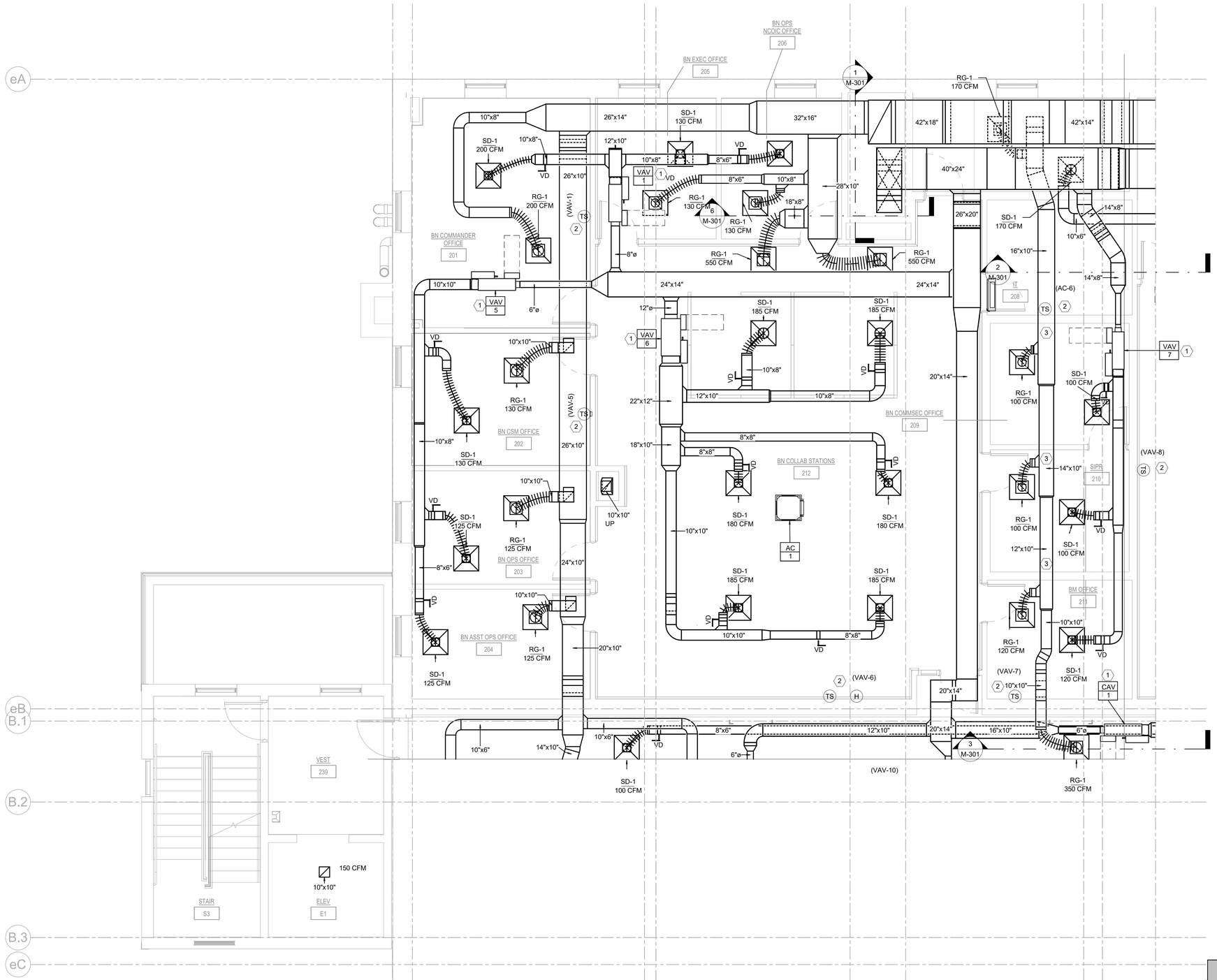
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477–H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC UPPER LEVEL DUCTWORK PLAN

DRAWING NUMBER: M–101



GENERAL NOTES:

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3. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

(1) COORDINATE SUPPLY DUCT TRANSITION WITH INLET SIZE OF VAV BOXES, AND PROVIDE MINIMUM OF THREE TIMES THE DUCT DIAMETER OF STRAIGHT DUCT LENGTH PRIOR TO CONNECTION OF VAV/CAV BOX. REFER TO VAV SCHEDULE FOR INLET SIZES.

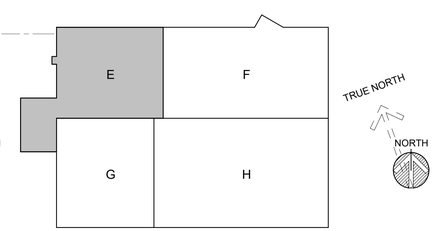
(2) PROVIDE A THERMOSTAT/HUMIDISTAT, CO2 SENSORS, OR TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR (A.F.F.)

(3) DUCTWORK PASSING THROUGH WALLS ON SIPR AND COMSEC ROOMS AND CREATING OPENING > 96 SQ IN., REQUIRE WELDED 1/2 INCH STEEL BAR (6" O.C.) OR APPROVERD EXPANDED METAL.

D 1 / M-101E UPPER LEVEL DUCTWORK PLAN E

SCALE: 1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"



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STATE OF NEW YORK · RAYMOND C. KORE · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

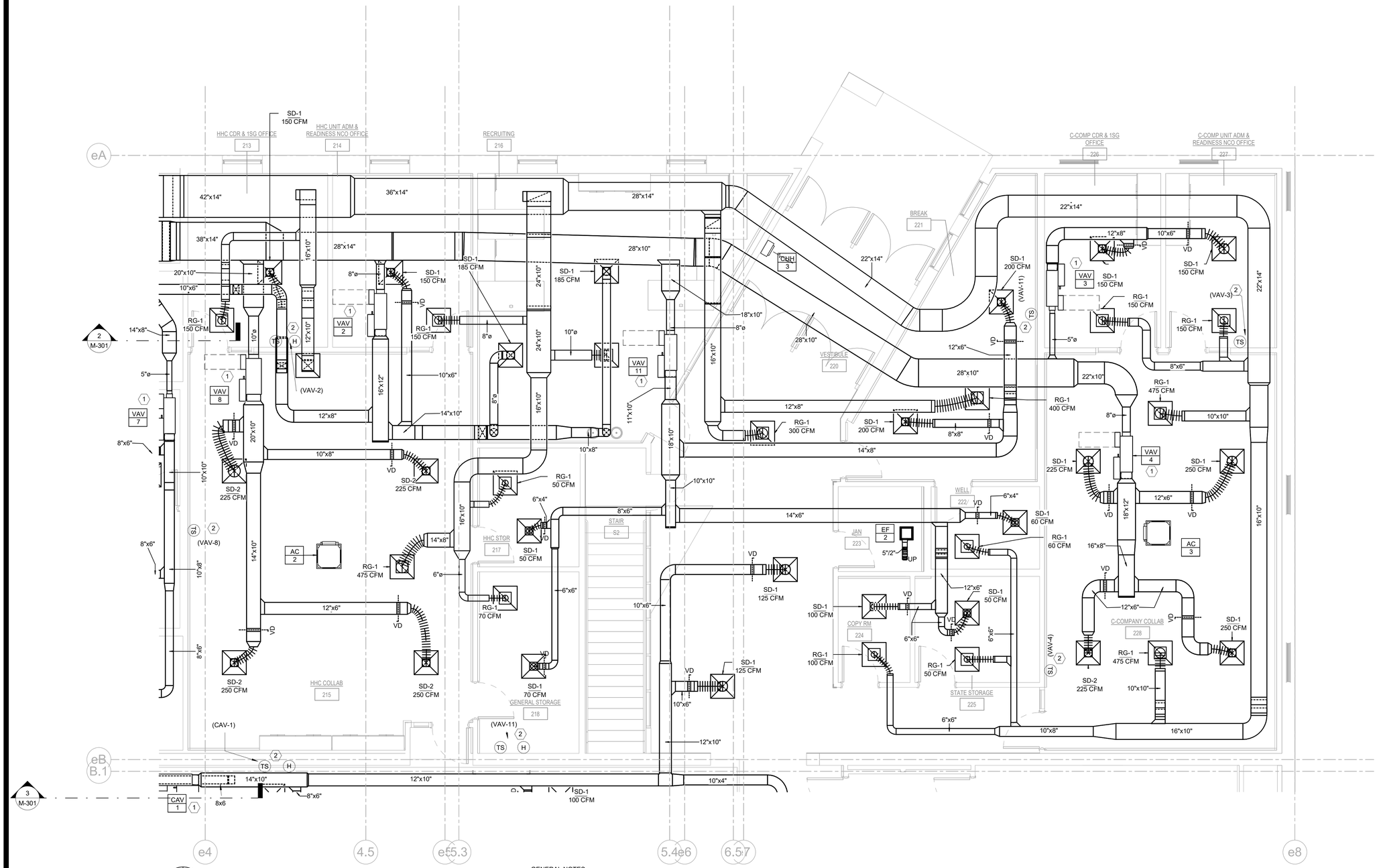
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC UPPER LEVEL DUCTWORK PLAN E

DRAWING NUMBER: M-101E



D 5
M-101F

UPPER LEVEL DUCTWORK PLAN NEW F

SCALE: 1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"

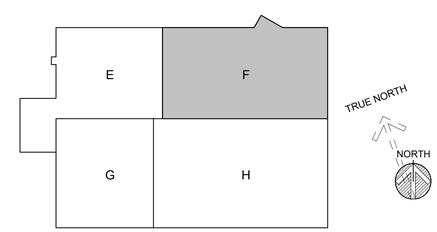
GENERAL NOTES:

1. PROVIDE CABLE OPERATED DAMPERS WHERE DIFFUSERS/GRILLES ARE INSTALLED WITHIN HARD GYP. BOARD CEILING.
2. ALL DUCTWORK SIZE TAGS ANNOTATIONS WITH XX/XX REPRESENTS DOUBLE WALL FLAT OVAL DUCTWORK. TYPICAL FOR ALL SHEETS.
3. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

(1) COORDINATE SUPPLY DUCT TRANSITION WITH INLET SIZE OF VAV BOXES, AND PROVIDE MINIMUM OF THREE TIMES THE DUCT DIAMETER OF STRAIGHT DUCT LENGTH PRIOR TO CONNECTION OF VAV/CAV BOX. REFER TO VAV SCHEDULE FOR INLET SIZES.

(2) PROVIDE A THERMOSTAT/HUMIDISTAT, CO2 SENSORS, OR TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR (A.F.F.)



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STATE OF NEW YORK · RAYMOND C. KORE · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS

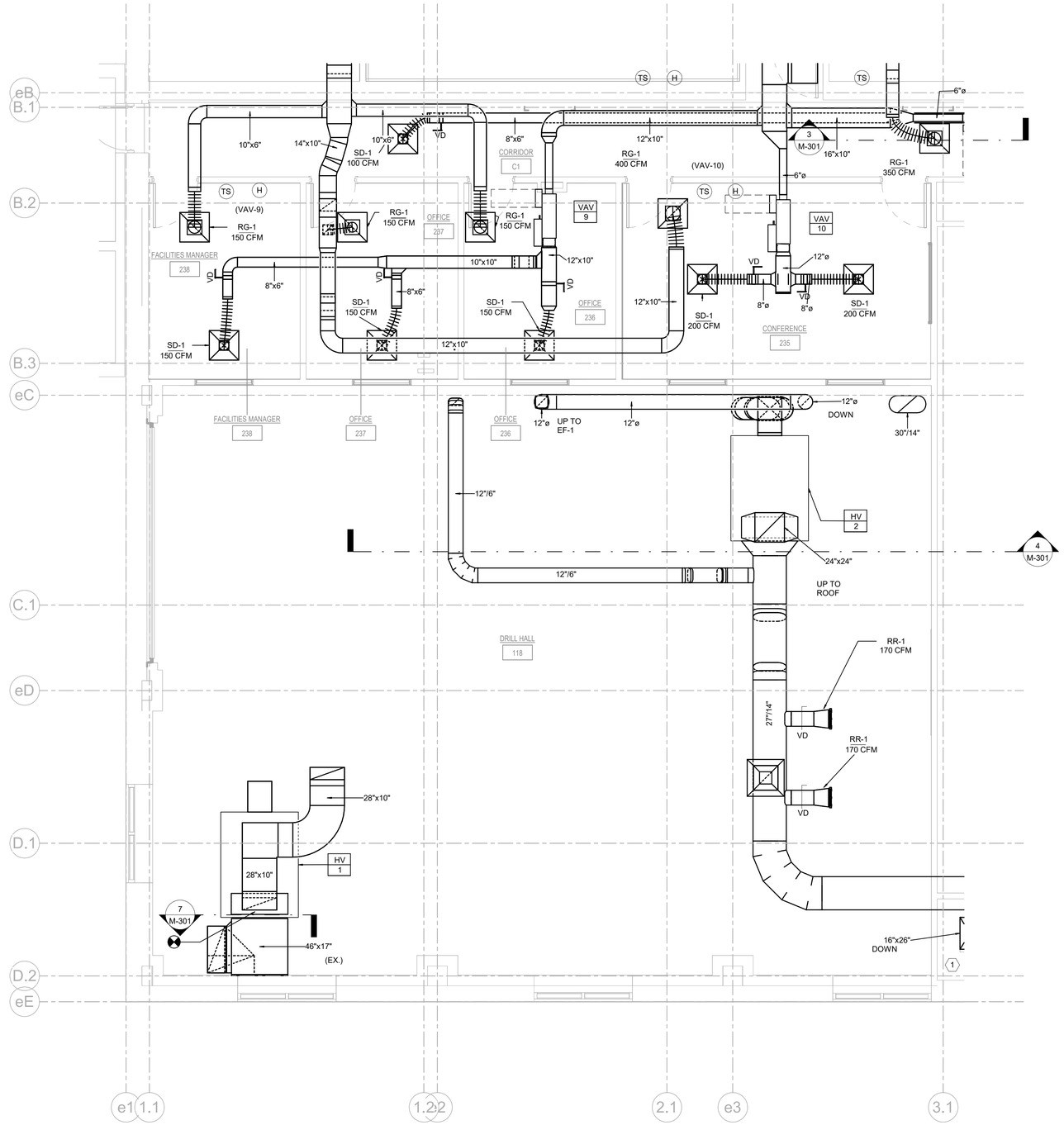
DRAWN BY: SJ

FIELD CHECK: HS

APPROVED: HS

SHEET TITLE: HVAC UPPER LEVEL DUCTWORK PLAN F

DRAWING NUMBER: M-101F



D 1
M-101G

UPPER LEVEL DUCTWORK PLAN G

SCALE: 1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"

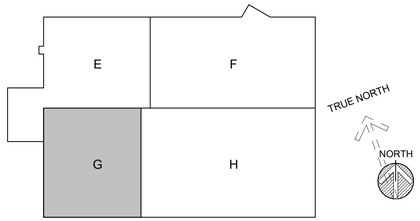
GENERAL NOTES:

1. PROVIDE CABLE OPERATED DAMPERS WHERE DIFFUSERS/GRILLES ARE INSTALLED WITHIN HARD GYP. BOARD CEILING.
2. ALL DUCTWORK SIZE TAGS ANNOTATIONS WITH XX/XX REPRESENTS DOUBLE WALL FLAT OVAL DUCTWORK. TYPICAL FOR ALL SHEETS.
3. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

(1) SUPPLY DUCTWORK UP TO RTU-2

(2) RETURN DUCTWORK UP TO RTU-2



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STATE OF NEW YORK · RAYMOND C. KORE · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:
HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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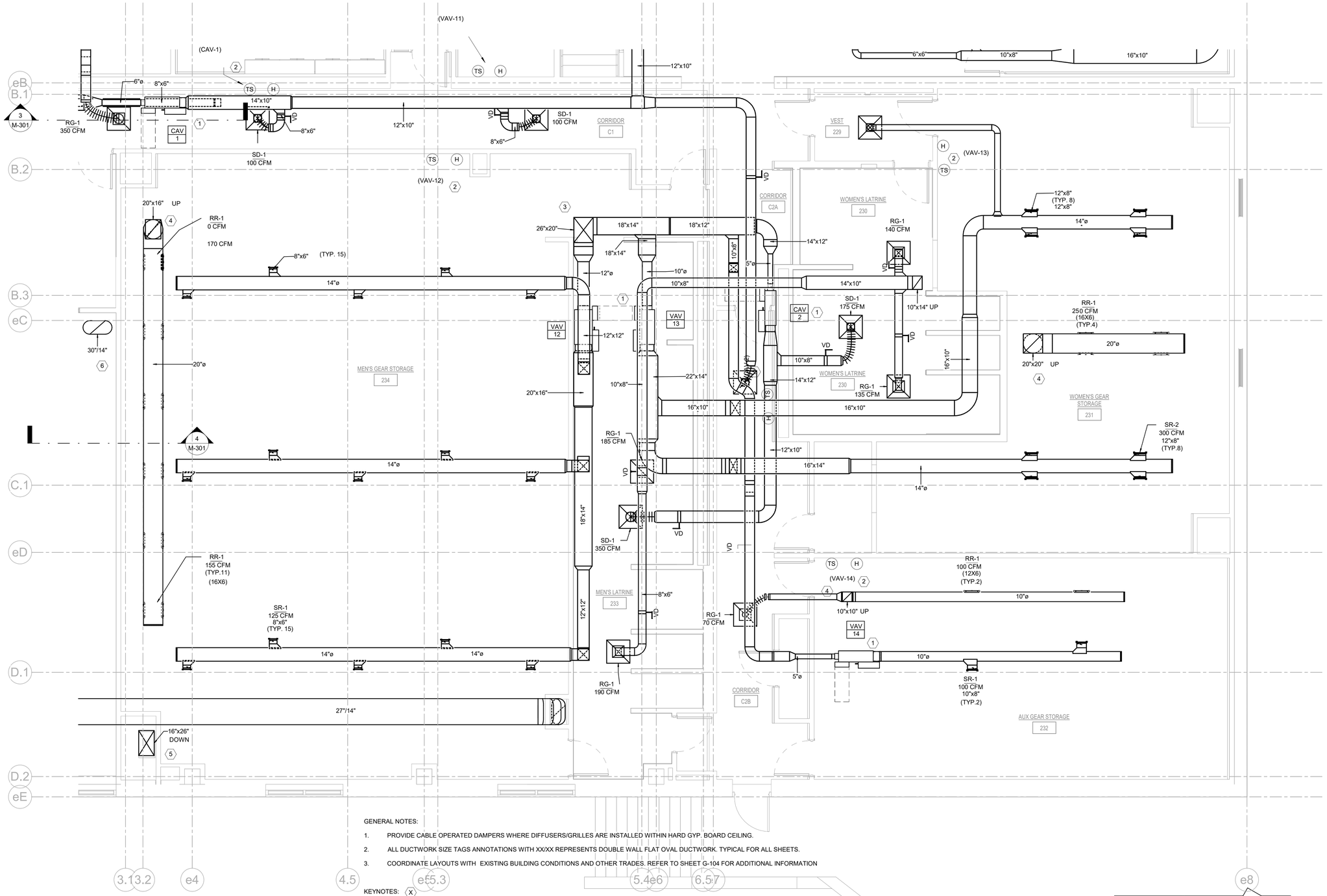
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
HVAC UPPER LEVEL DUCTWORK PLAN G

DRAWING NUMBER:
M-101G



GENERAL NOTES:

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2. ALL DUCTWORK SIZE TAGS ANNOTATIONS WITH XX/XX REPRESENTS DOUBLE WALL FLAT OVAL DUCTWORK. TYPICAL FOR ALL SHEETS.
3. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

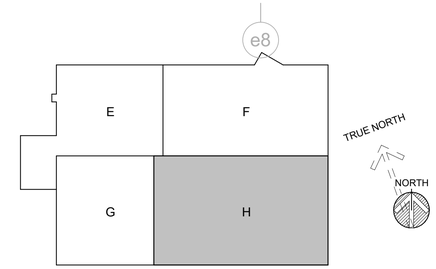
1. COORDINATE SUPPLY DUCT TRANSITION WITH INLET SIZE OF VAV BOXES, AND PROVIDE MINIMUM OF THREE TIMES THE DUCT DIAMETER OF STRAIGHT DUCT LENGTH PRIOR TO CONNECTION OF VAV/CAV BOX. REFER TO VAV SCHEDULE FOR INLET SIZES.
2. PROVIDE A THERMOSTAT/HUMIDISTAT, CO2 SENSORS, OR TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR (A.F.F.)
3. SUPPLY DUCTWORK UP TO RTU-1
4. RETURN DUCTWORK UP TO RTU-1
5. SUPPLY DUCTWORK UP TO RTU-2
6. RETURN DUCTWORK UP TO RTU-2

D 1
M-101H

UPPER LEVEL DUCTWORK PLAN H

SCALE: 1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"



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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:
HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

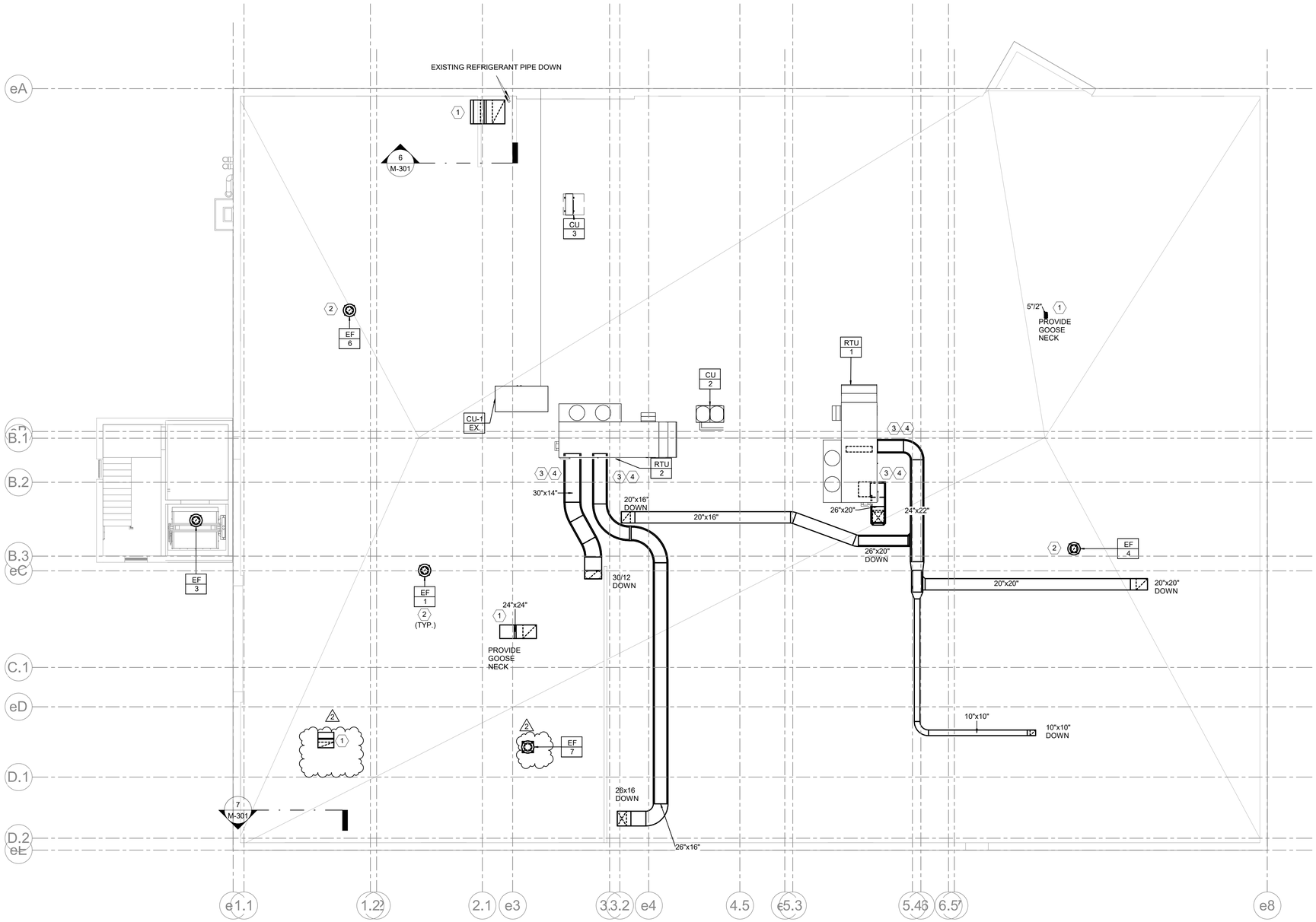
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
HVAC UPPER LEVEL DUCTWORK PLAN H

DRAWING NUMBER:
M-101H



D 1
M-102

ROOF PLAN NEW WORK

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. ALL UNITS SHALL BE INSTALLED AND MAINTAINED A MINIMUM OF AT LEAST 10'-0" DISTANCE FROM ANY EXHAUST.
2. UNITS SHALL BE INSTALLED AND ENSURED TO MAINTAIN A MINIMUM OF 10'-0" DISTANCE FROM THE EXTERIOR OF THE BUILDING.
3. EXISTING ROOF IS UNDER WARRANTY. PENETRATIONS/MODIFICATIONS ARE TO BE PROVIDED BY THE C-CONTRACTOR, UNLESS SPECIFIED OTHERWISE. H-CONTRACTOR SHALL PROTECT THE ROOF AND ANY EXISTING EQUIPMENT TO REMAIN DURING THEIR WORK. ANY DAMAGE BY THE H-CONTRACTOR AS A RESULT OF THEIR WORK SHALL BE REPAIRED BY A CERTIFIED AND APPROVED ROOFER, AT NO EXPENSE TO THE OWNER SUBJECT TO BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE.
4. ALL EXTERIOR MOUNTED DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING STRUCTURE TO RESIST WIND LOADS. H-CONTRACTOR TO PROVIDE A FULL DUCT SUPPORT SYSTEM FROM MIRO INDUSTRIES INC., MAPA PRODUCTS, OR APPROVED EQUAL; DESIGN-DELEGATED BY A NYS PROFESSIONAL ENGINEER TO MEET THE STRUCTURAL LOADS. REFER AND COORDINATE WITH THE S-SERIES CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION.
5. H-CONTRACTOR TO FURNISH THE APPROVED SUPPORTS TO THE C-CONTRACTOR FOR INSTALLATION TO THE ROOF DECK AND ROOF REPAIRS. H-CONTRACTOR TO COMPLETE INSTALLATION OF THE DUCTS AND DUCT ATTACHMENTS. REFER TO THE C-CONTRACT ROOF PLAN FOR INTENDED LAYOUT, TO BE VERIFIED BY THE H-CONTRACTOR'S DESIGN DELEGATED ENGINEER.
6. ALL DUCTS DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS
7. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

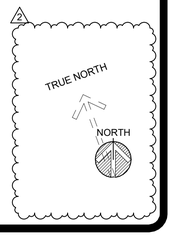
KEYNOTES: (X)

(1) PROVIDE GOOSENECK WITH FULL SIZE WIREMESH.

(2) H-CONTRACTOR TO FURNISH NEW ROOF CURBS TO THE C-CONTRACTOR FOR INSTALLATION.

(3) PROVIDE ACOUSTICAL LINING WITH METAL NOSING FOR ATLEAST 10' 0" AFTER RTU ON BOTH SUPPLY AND RETURN DUCTS.

(4) ALL THE EXPOSED HVAC DUCTWORK EXTERIOR TO THE BUILDING ENVOLOPE SHALL BE OF DOUBLE WALL CONSTRUCTION WITH MINIMUM R10 RIGID BOARD INSULATION. REFER TO D-9 ON M603 AND SPECIFICATION 230713 FOR ADDITIONAL INFORMATION.



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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

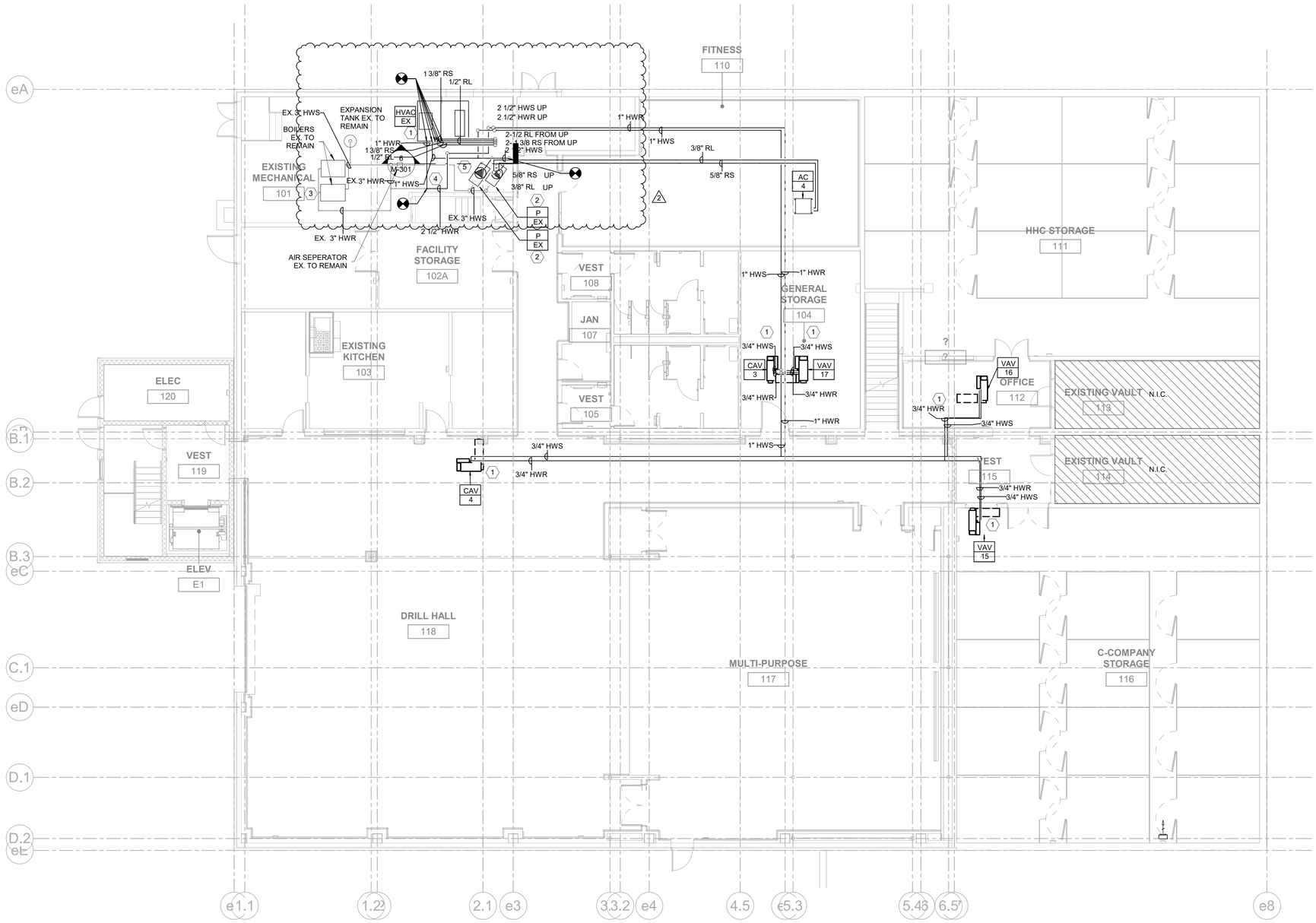
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC ROOF PLAN

DRAWING NUMBER: M-102



D/1 LOWER LEVEL PIPING
M-200 SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

(1) PROVIDE BALANCING VALVES FOR EACH COILS. BALANCING VALVE SHALL BE SELECTED BASED ON MANUFACTURER'S SELECTION CRITERA AND PRESCRIBED GPM RANGE FOR EACH COIL.

(2) EXISTING HOT WATER PUMPS TO BE REBALANCED PRIOR TO SUBSTANTIAL COMPLETION.

(3) EXISTING BOILERS AND BOILER PIPING TO REMAIN. H-CONTRACTOPR TO MAKE NEW CONNECTION AS PER THE FLOOR PLAN, AFTER PRIMARY LOOP IN SECONDARY LOOP.

(5)

(4) H-CONTRACTOR TO CONNECT THE NEW HOT WATER RETUN PIPE AT THIS LOCATION BEFORE RETURN PIPE CONNECTS TO SUPPLY IN PREIMARY LOOP.

H-CONTRACTOR TO MAKE CONNCETION TO NEW HOT WATER SUPPLY AFTER SECONDARY LOOP PUMPS.

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STATE OF NEW YORK · RAYMOND C. KORE · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC LOWER LEVEL PIPING PLAN

DRAWING NUMBER: M-200

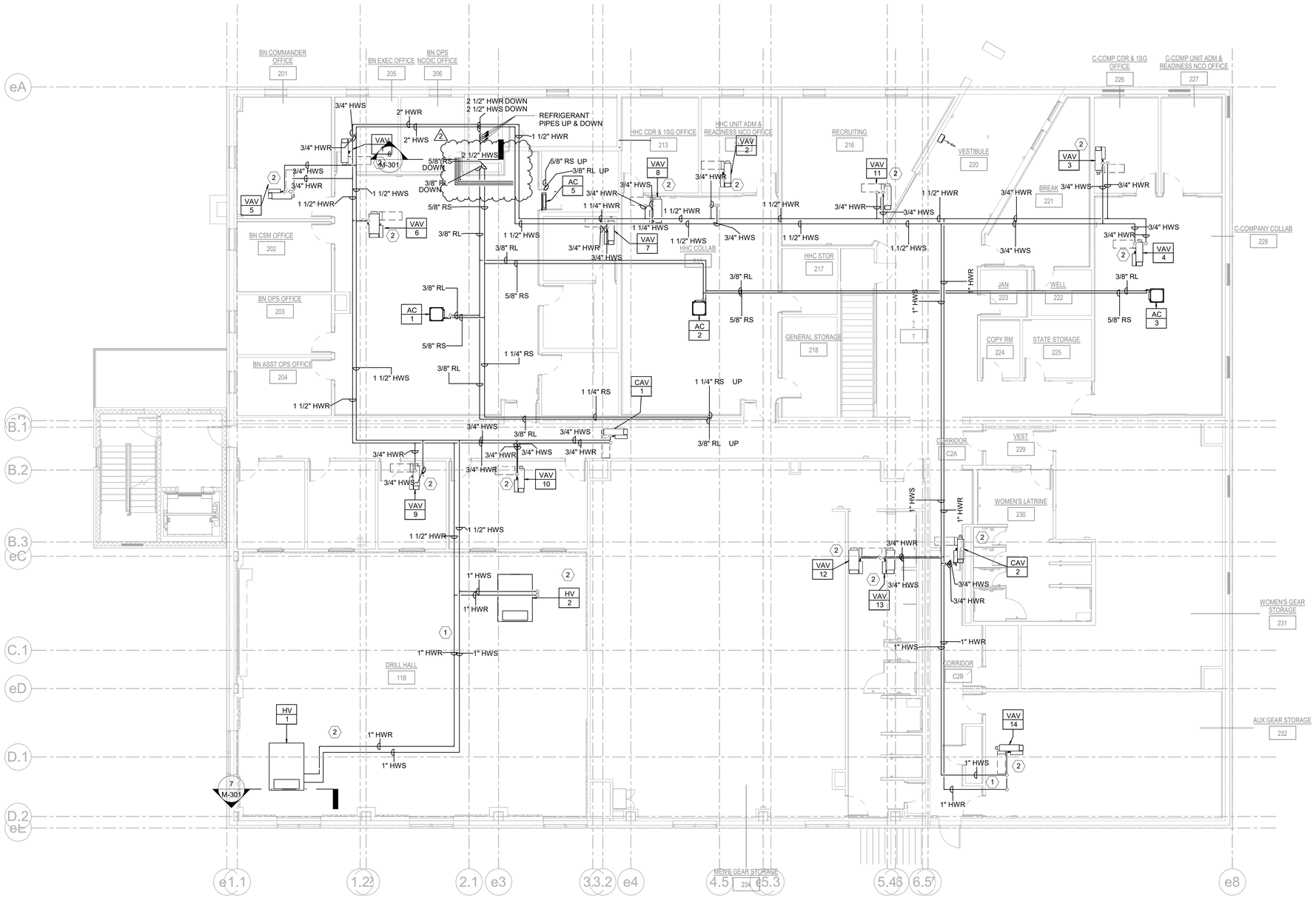
GENERAL NOTES:

1. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION

KEYNOTES: (X)

(1) PROVIDE NEW DIFFERENTIAL BYPASS VALVE. REFER TO M-402 AND M-601 FOR FURTHER DETAILS

(2) PROVIDE BALANCING VALVES FOR EACH COILS. BALANCING VALVE SHALL BE SELECTED BASED ON MANUFACTURER'S SELECTION CRITERA AND PRESCRIBED GPM RANGE FOR EACH COIL.



D 1 M-201 UPPER LEVEL PIPING
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

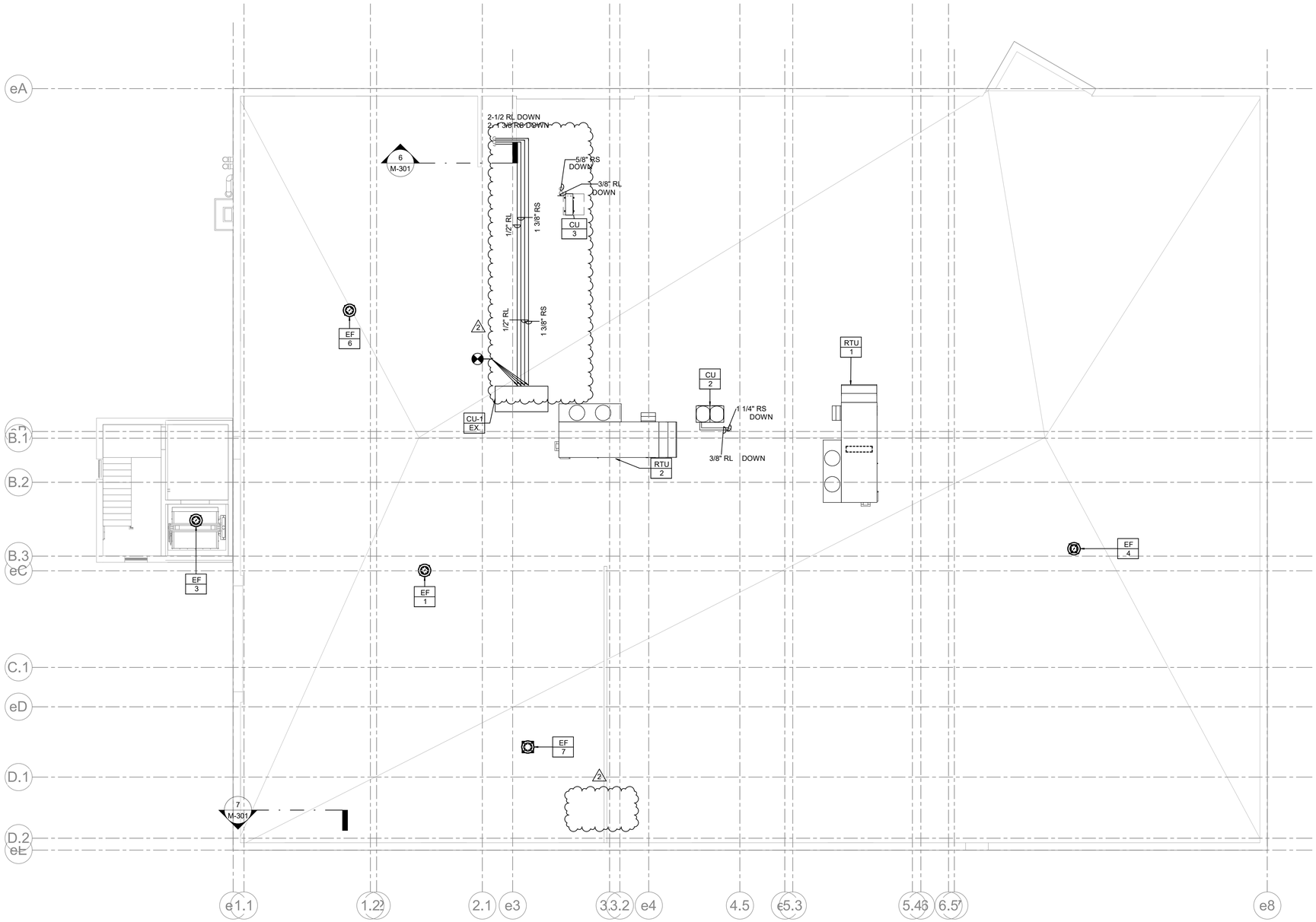
HVAC UPPER LEVEL PIPING PLAN

DRAWING NUMBER:

M-201

GENERAL NOTES:

1. COORDINATE LAYOUTS WITH EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION



D 1 M-202 ROOF PLAN PIPING NEW WORK

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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STATE OF NEW YORK · RAYMOND C. WONG · LICENSED PROFESSIONAL ENGINEER · 108677

07/20/2026

EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

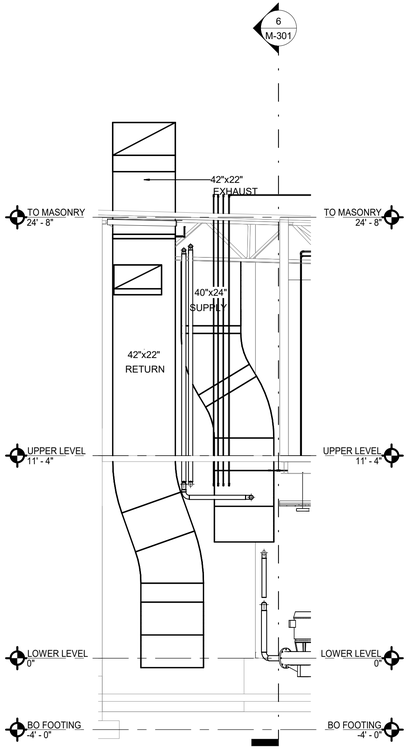
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

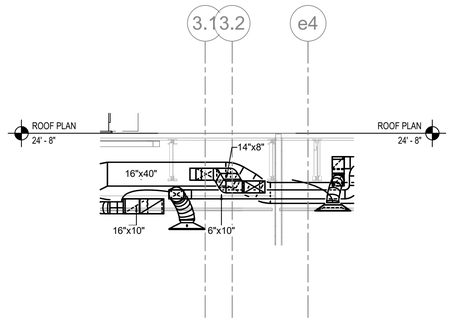
HVAC ROOF PLAN
PIPING PLAN

DRAWING NUMBER:

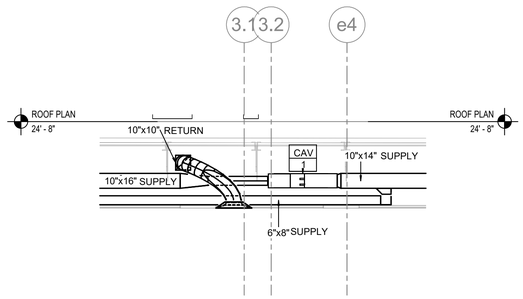
M-202



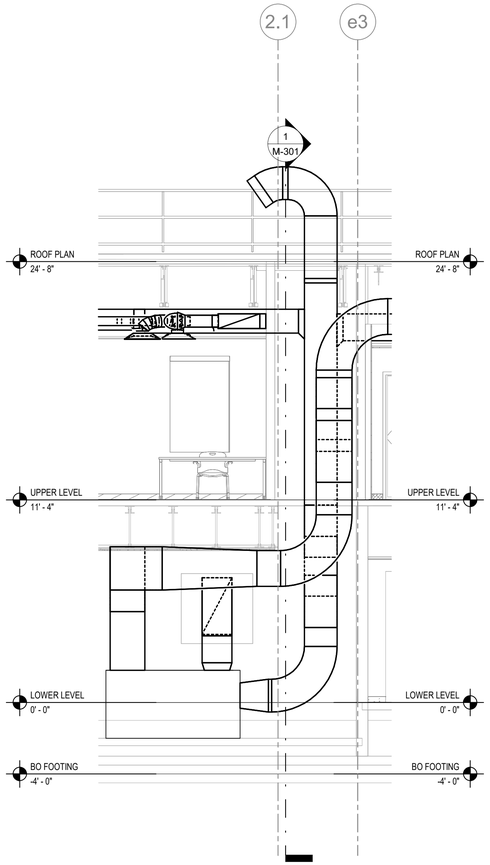
D 1 M-301 HVAC-1 Shaft Section View
SCALE: 1/4" = 1'-0"



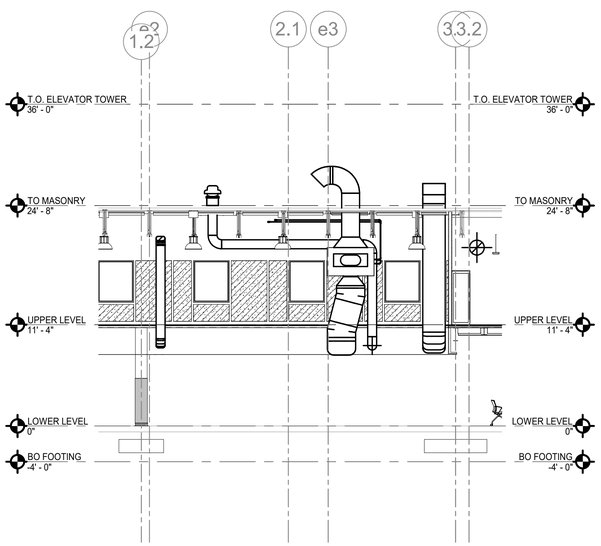
D 2 M-301 HVAC-1 Main Ductwork Section View
SCALE: 1/4" = 1'-0"



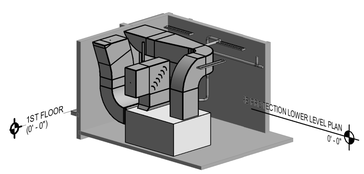
D 3 M-301 CAV 1 Section View
SCALE: 1/4" = 1'-0"



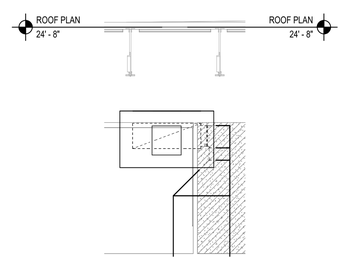
D 6 M-301 HVAC-1 MAIN DUCTWORK INLET/OUTLET
SCALE: 1/4" = 1'-0"



D 4 M-301 HV-2 AND DRILL HALL WALL VIEW
SCALE: 1/8" = 1'-0"



D 5 M-301 HVAC-1 3D View
SCALE:



D 7 M-301 HV-1 DUCTWORK
SCALE: 1/4" = 1'-0"

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bell & spina ARCHITECTS

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STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

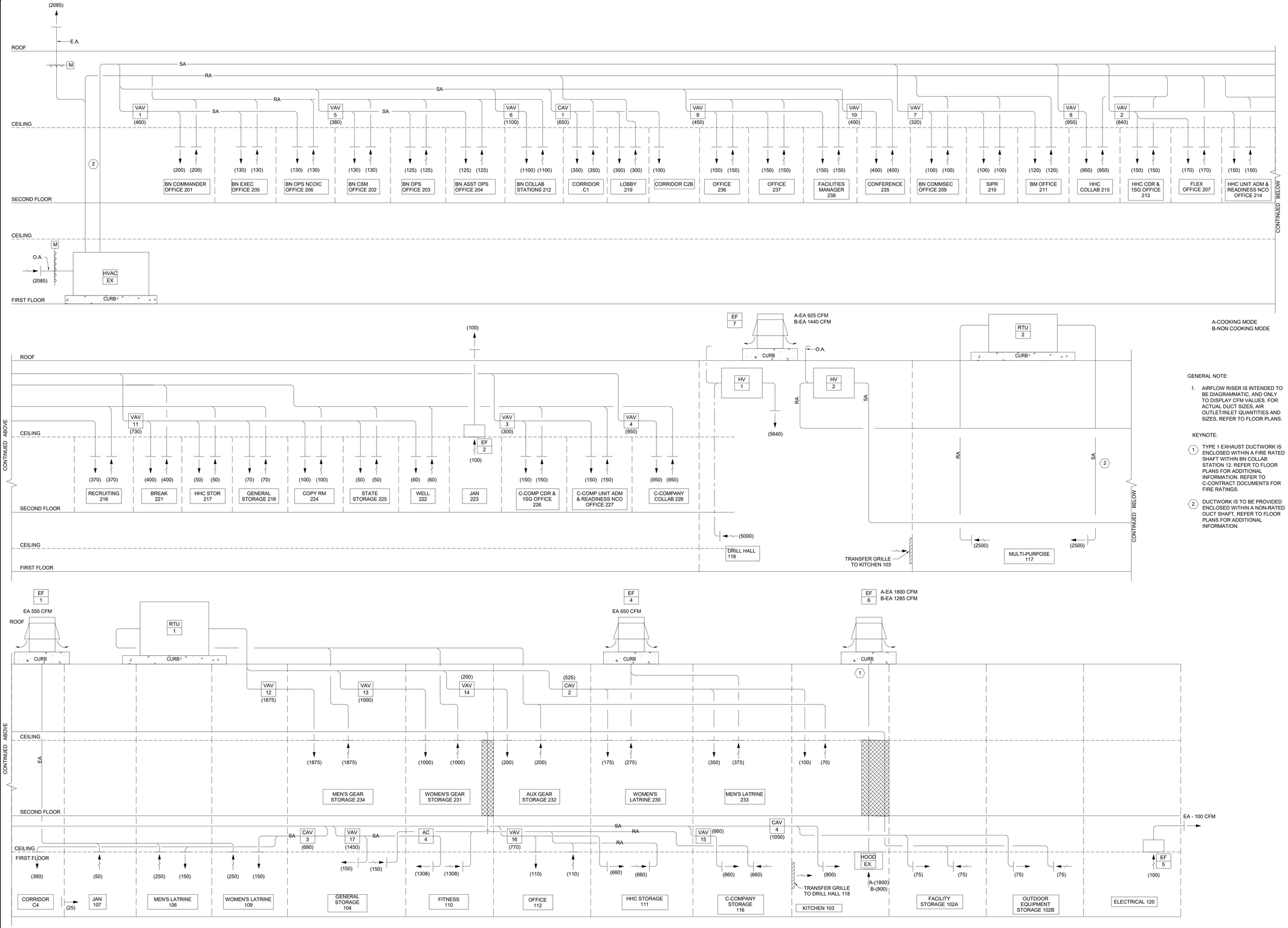
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
MECHANICAL ENLARGED PLANS

DRAWING NUMBER:
M-301



GENERAL NOTE:

1. AIRFLOW RISER IS INTENDED TO BE DIAGRAMMATIC, AND ONLY TO DISPLAY CFM VALUES. FOR ACTUAL DUCT SIZES, AIR OUTLET/INLET QUANTITIES AND SIZES, REFER TO FLOOR PLANS.

KEYNOTE:

1. TYPE 1 EXHAUST DUCTWORK IS ENCLOSED WITHIN A FIRE RATED SHAFT WITHIN BN COLLAB STATION 12. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION. REFER TO C-CONTRACT DOCUMENTS FOR FIRE RATINGS.
2. DUCTWORK IS TO BE PROVIDED ENCLOSED WITHIN A NON-RATED DUCT SHAFT. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.

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STATE OF NEW YORK · RAYMOND C. KORC · LICENSED PROFESSIONAL ENGINEER · 108677

07/20/2026
EXP. 09/30/2026

CONTRACT:

HVAC

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

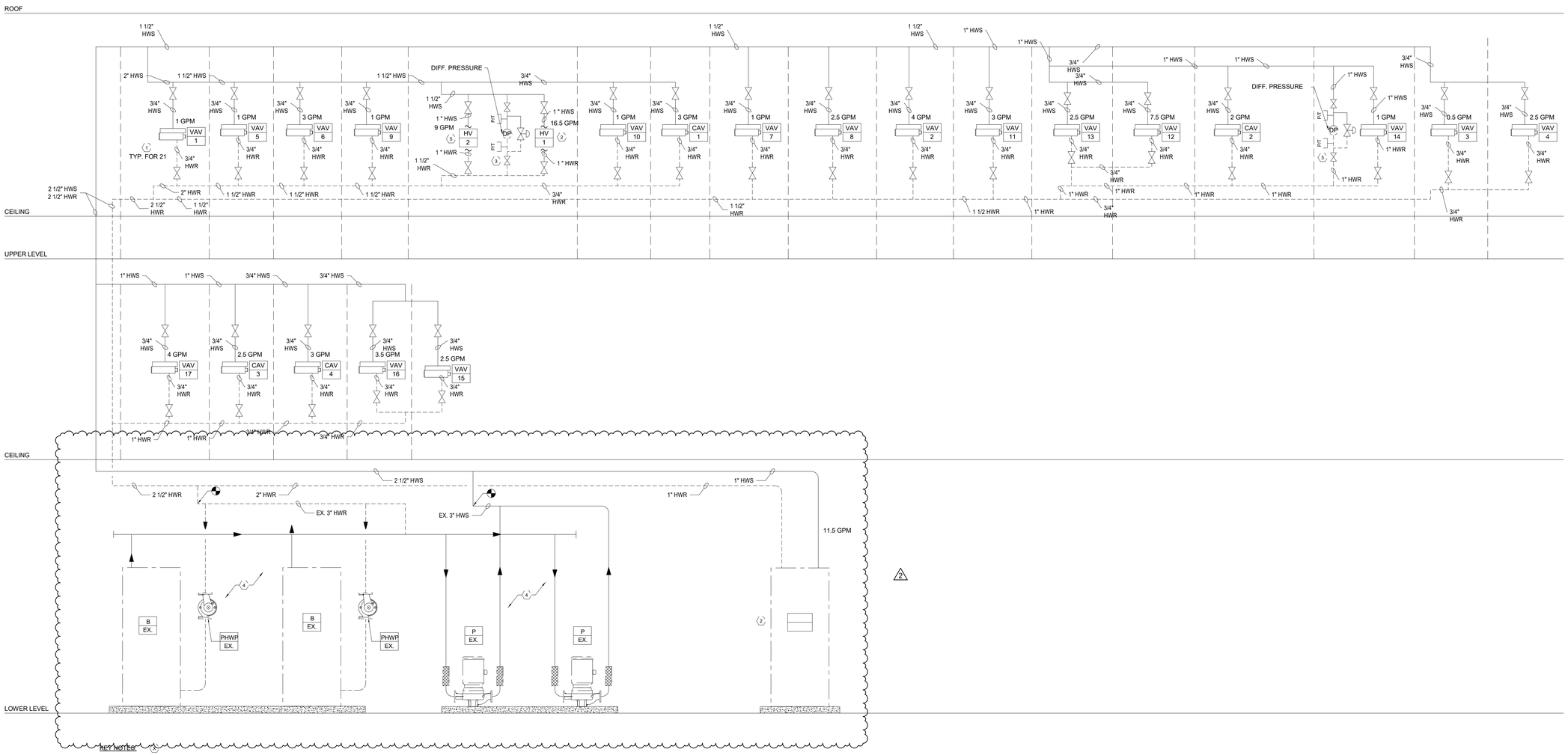
SHEET TITLE:

AIRFLOW DIAGRAM

DRAWING NUMBER:

M-401

SHEET 128 OF 198



KEY NOTES:

1. REFER TO HOT-WATER REHEAT COIL PACKAGE DETAIL 6 WITHIN M-601 CONTRACT DRAWING FOR ADDITIONAL INFORMATION.
2. CONNECT TO EXISTING HVAC-1.
3. PROVIDE NEW BYPASS VALVE AND DIFFERENTIAL PRESSURE VALVE. REFER TO DETAIL 4 ON DRAWING M-601
4. BOILER AND PUMPS ARE EXISTING TO REMAIN AND ARE SHOWN ONLY FOR SCHEMATIC PURPOSES.
5. CONNECT TO NEW HV-2 AS PER MANUFACTURER GUIDELINE AND SPECIFICATIONS.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

HOT WATER RISER DIAGRAM-1

DRAWING NUMBER:

M-402

CITY MULTI

SYSTEM SCHEMATIC DWG.

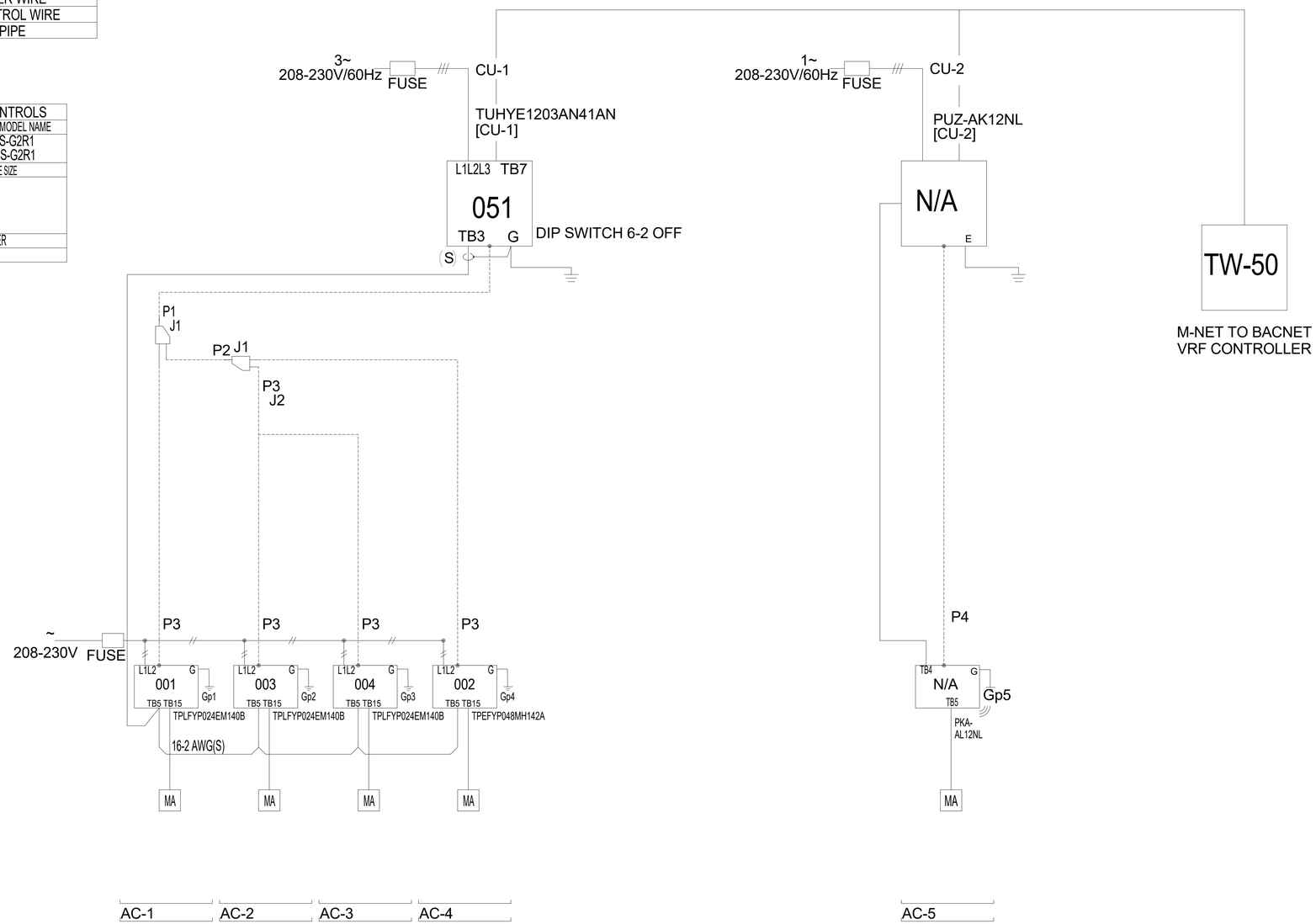
DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
—//—	POWER WIRE
———	CONTROL WIRE
- - - - - -	REF. PIPE

CONT.No		PAGE	

THIS DRAWING IS SCHEMATIC IN NATURE FOR BASIS OF DESIGN.. ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. PLEASE REFER THE AMOUNT OF PRE-CHARGE AND THE FORMULA OF CALCULATION WHICH IS MENTIONED ON THE DATA BOOK.

1.25mm^2 (16 AWG) : 1.25mm^2 (16 AWG) or more. 0.75mm^2 (20 AWG) : between 0.5mm^2 (24 AWG) and 0.75mm^2 (20 AWG).

PIPING AND CONTROLS	
SYMBOL BRANCH PIPE MODEL NAME	
J1	CMY-Y102LS-G2R1
J2	CMY-Y102SS-G2R1
SYMBOL LIQUID PIPE/GAS PIPE SIZE	
P1	3/8 / 1-1/8
P2	3/8 / 7/8
P3	3/8 / 5/8
P4	1/4 / 1/2
SYMBOL MODEL NUMBER	
MA	TAR-40MAAU



NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

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CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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UNIFORM CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

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HVAC

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
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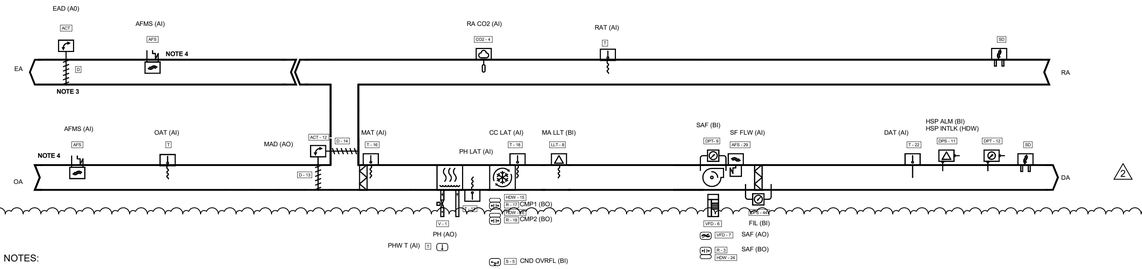
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
REFRIGERANT RISER DIAGRAM

DRAWING NUMBER:
M-405

Flow Diagram: HVAC - 1



NOTES:

1. EXISTING TRANE AIR HANDLING AND END DEVICES DEPICTED ABOVE TO REMAIN UNLESS OTHERWISE SAID BELOW.
2. H-CONTRACTOR CONTROL VENDOR SHALL REPROGRAM UNIT TO COORDINATE WITH AC - 1, 2, 3. REFER TO AC - 1, 2, 3 SEQUENCES.
3. H-CONTRACTOR CONTROL VENDORTO PROVIDE NEW MODULATING DAMPER AND ACTUATOR ALONG WITH INTERLOCK TO EXISTING HVAC- 1 DDC.
4. ATC TO PROVIDE AND INSTALL OA & EA AIR FLOW MEASURING STATIONS FOR STATUS AND VENTILATION REQUIREMENTS.

Sequence of Operation: HVAC - 1

Building Automation System Interface:
The Building Automation System (BAS) shall send the controller Occupied Bypass, Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS shall also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:
During occupied periods, the supply fan shall run continuously and the mixed air dampers shall open to maintain minimum ventilation requirements. In the cooling mode the DX coil shall stage the compressors In the heating mode the hot water valve shall modulate the supply fan shall be disabled, the DX cooling should be disabled, the heating valve should close, the outdoor air should close, and an alarm should annunciate at the BAS.

Unoccupied:
During the unoccupied periods the outside air damper shall close, and the supply fan and mechanical heating and cooling shall enable as needed to maintain a night setback setpoint which is heating 60-deg.F.(adj) and cooling 85-deg.F.(adj) to conserve energy.

Morning Warm-Up Mode:
During optimal start, if the average space temperature is below the occupied heating setpoint 68-deg.F.(adj) a morning warm-up mode shall be activated. The outside air damper shall remain closed.

Daytime Warm-Up Control:
During Occupied periods, when the space temperature is below the Daytime Warm-up Initiate setpoint, a daytime warm-up sequence shall be activated. The outside air damper shall modulate to maintain minimum ventilation requirements, and the heating shall enable to maintain the discharge air temperature heating setpoint. Daytime Warm-up shall terminate when the average space temperature reaches the Occupied heating setpoint.

Supply Fan:
The supply fan shall be on if the control is heating or cooling in the unoccupied mode. When the controller is in the occupied mode, the supply fan shall operate continuously. The supply fan speed shall be modulated to maintain the duct static pressure setpoint given and set by H-contractor hired Air Balancers as per the airflows through the diffusers. The duct static pressure setpoint shall be sent by the BAS and is reset between the minimum and maximum static pressure limits to maintain the critical zone VAV air damper in a position between 65% and 75% open. If the supply fan fails to prove status for 30 seconds (adj.), the fan shall be commanded off, the outside air damper shall close, cooling shall be disabled, all heating shall be disabled, and an alarm shall annunciate at the BAS. A manual reset shall be required to restart the fan.
A hardwired, high static pressure cut-off switch shall be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan shall be commanded off, heating shall be disabled, cooling should be disabled, and an alarm shall annunciate at the BAS. A manual reset of the high static pressure cut-off switch shall be required to restart the fan.

Exhaust Damper:
Normal Operation: New field installed exhaust damper shall modulate directly proportional to HVAC-1 outside air damper. Economizing: During economizing mode, exhaust damper shall be fully open.

Preheat Control:
When the fan is off, if the outdoor air temperature is below 40.0 deg. F (adj.) or the outdoor air temperature sensor is failed, the preheat valve shall modulate to maintain a preheat leaving coil temperature of 45.0 deg. F (adj.).
If the preheat temperature sensor fails and the mixed air temperature is below 45.0 deg. F (adj.) the preheat valve shall be 100% open (adj.). If the preheat temperature sensor fails and the mixed air temperature is above 50.0 deg. F (adj.) the preheat valve shall be commanded closed. An alarm shall annunciate at the BAS if the leaving preheat temperature sensor, the mixed air temperature sensor or the outside air temperature sensor are failed.

Mixed Air Low Limit:
The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall annunciate at the BAS and the outside air damper shall return to the minimum position.

Economizing:
The outside air (OA) temperature shall be compared with space temperature. The economizer shall enable when OA temperature is less than space temperature - 2.0 deg. F. The economizer shall disable when OA temperature is greater than space temperature.

When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall be modulated between its minimum position and 100% open to maintain the space temperature setpoint. The economizer damper shall modulate toward minimum position in the event the mixed air temperature falls below the low temperature limit setting.

Freeze Protection:
A hardwired, low limit temperature switch shall be electrically interlocked with the variable speed drive. If the low limit temperature switch is tripped 38.0 deg. F (adj.), the fan shall be commanded off and the outside air damper shall close. All valves shall be commanded open to 100% open (adjust per climate). The DX cooling shall be disabled. An alarm shall annunciate at the BAS and manual reset of the low limit temperature switch shall be required to restart the fan.

Demand Control Ventilation:
Using a return CO2 input (local sensor or network communicated value), the controller shall monitor and compare the measured return CO2 to the return CO2 concentration setpoint (adj.). When the measured return CO2 concentration reaches the setpoint (adj.), the outside air damper shall modulate open incrementally until the return air CO2 level is satisfied or the outside air damper reaches the full open position. If the measured CO2 concentration falls, the outside air damper shall modulate toward minimum outdoor air position setpoint. If the mixed air temperature drops below the mixed air low limit setpoint the CO2 sensor input is overridden and the outside air damper shall be modulated closed to maintain the mixed air temperature low limit setpoint. When the mixed air temperature rises above the mixed air low limit setpoint, CO2 operation is restored.

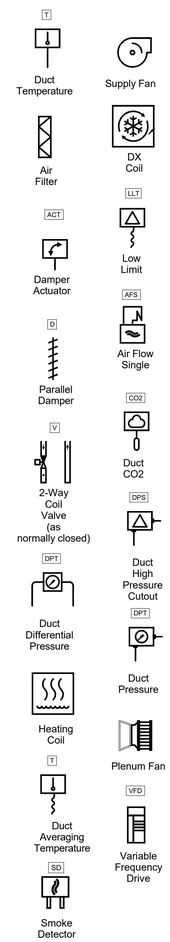
Condensate Overflow Monitoring:
If the condensate level reaches the trip point, a condensate overflow diagnostic shall annunciate at the BAS. To prevent the condensate drain pan from overflowing and causing water damage to the building the fan shall be disabled and the DX cooling shall be disabled.

Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

Smoke Detector Shut Down
The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke and an alarm shall annunciate at the BAS and an signal going back to fire alarm scontrol panel. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector and interlocked with fire alarm pannel. A manual reset of the smoke detector shall be required to restart the unit. Smoke detector needs to be connected

D 1 M-501 HVAC-1 (EX) CONTROL
SCALE: N.T.S.

Flow Diagram: LEGEND KEY



Points List: HVAC - 1

Point Name	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
	POINTS									ALARMS					
AIR CLEANING ACCESS DOOR INTERLOCK CACS INTLK							X								
AIR CLEANING ACCESS DOOR INTERLOCK UV INTLK							X								
CHANGEOVER COIL LEAVING AIR TEMPERATURE LOCAL H/C LAT	X	X								X	X			X	
COIL LEAVING AIR LOW TEMP CUTOUT ALARM LLT			X										X		
COMPRESSOR 1 COMMAND CMP1	X				X										
COMPRESSOR 2 COMMAND CMP2	X				X										
COMPRESSOR 3 COMMAND CMP3	X				X										
COMPRESSOR 4 COMMAND CMP4	X				X										
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL	X		X									X	X		
COOLING COIL LEAVING TEMPERATURE CC LAT	X	X								X	X			X	
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
ENERGY WHEEL SPEED COMMAND EW SPD	X			X											
EXHAUST AIR FLOW MEASURING STATION EAFMS		X													
FINAL FILTER STATUS FIL	X		X									X			
HIGH STATIC ALARM HSP ALM	X		X									X	X		
HIGH STATIC ALARM INTERLOCK HSP INTLK							X								
MIXED AIR DAMPER COMMAND MAD	X			X											
MIXED AIR LOW TEMPERATURE CUTOUT ALARM MA LLT			X										X		
MIXED AIR TEMPERATURE LOCAL MAT	X	X									X			X	
OUTSIDE AIR FLOW MEASURING STATION OAFMS		X													
PREHEAT LEAVING COIL TEMPERATURE LOCAL PH LAT	X	X												X	
PREHEAT OUTPUT COMMAND PH	X			X											
RETURN AIR CO2 LOCAL RA CO2	X	X								X					
RETURN AIR TEMPERATURE LOCAL RAT	X	X													
SUPPLY FAN AIR FLOW LOCAL SF FLW	X	X													
SUPPLY FAN SPEED COMMAND SAF	X			X											
SUPPLY FAN START STOP COMMAND SAF	X				X										
SUPPLY FAN STATUS SAF	X		X												
BAS COMMUNICATION STATE BAS COM						X									X
DISCHARGE AIR COOLING SETPOINT DA CL SP						X									
DISCHARGE AIR HEATING SETPOINT DA HT SP						X									
MAINTENANCE REQUIRED MNT REQ						X						X			
MIXED AIR TEMPERATURE LOW LIMIT SETPOINT MA LLT STPT						X									
OCCUPIED COOLING SETPOINT OCC CLG STPT	X					X									
OCCUPIED HEATING SETPOINT OCC HTG STPT	X					X									
SUPPLY FAN FAILURE SF FAIL	X					X						X			
UNOCCUPIED COOLING SETPOINT UNOCC CLG STPT	X					X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG STPT	X					X									
LEAVING PREHEAT WATER TEMPERATURE PHW T	X	X													
LEAVING REHEAT WATER TEMPERATURE RHW T	X	X													

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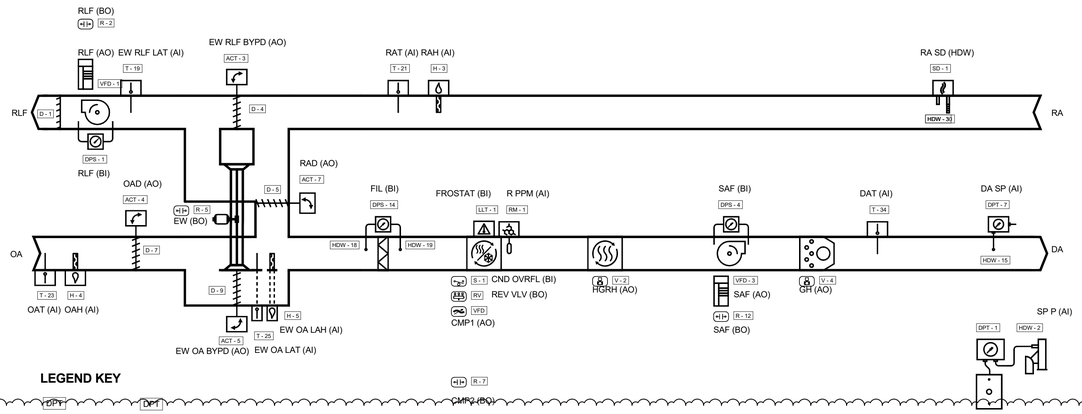
PROJECT NUMBER: 47477-H
DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

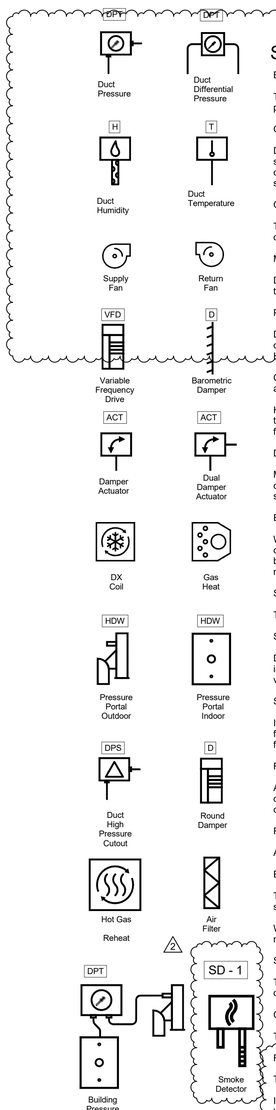
SHEET TITLE: CONTROL DIAGRAMS SHEET NO. 1

DRAWING NUMBER: M-501

Flow Diagram: RTU - 1



LEGEND KEY



Sequence of Operation: RTU - 1

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS shall also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously and the outside air damper shall be open to maintain the mininmim ventelation. The unit controller shall control the supply fan speed to maintain the supply duct static pressure setpoint (adj.) given and set by H-contractor hired Air Balancers as per the airflows through the diffusers. Upon a call for DX heating or cooling, the unit controller shall enable the variable speed compressor. If the variable speed compressor cannot satisfy the load conditions, the unit controller shall start a fixed speed compressor. The variable speed compressor shall modulate to maintain the active discharge air temperature setpoint. This process shall repeat until all of the fixed speed compressors have been started or until the load conditions can be satisfied.

Optimal Start:

The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs. RTU shall start up to 120 minutes prior to scheduled occupancy and shall automatically adjust the daily start time based on space conditions to achieve occupied temperature setpoints at the beginning of the occupied period.

Morning Warm-Up Mode:

During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode:

During optimal start, if the average space temperature is above the occupied cooling setpoint (85-deg. F.) , pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling or economizer. The outside air damper shall remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Heat/Cool Mode:

COOLING: The unit controller shall use the discharge air temperature sensor and discharge air temperature cooling setpoint to determine when to initiate requests for cooling. Discharge air setpoint shall be maintained by controlling the cooling as required.

HEATING: The unit controller shall use the discharge air temperature sensor and discharge air temperature heating setpoint to determine when to initiate requests for heating. Discharge air setpoint shall be maintained by controlling the heating to 72-deg. F. (adj.) as required. During Unoccupied Heating or Morning Warm-Up Mode, the unit heat request shall be communicated to the system VAVs prior to commencing heating operation to allow VAV units to open. The variable frequency drive shall be commanded to 100% and the heat shall be staged on and off to satisfy the zone temperature setpoint.

Dehumidification:

MULTI-CIRCUIT UNITS: On a call for dehumidification, the hot gas reheat valve in circuit 1 shall energize and the compressor(s) shall enable. When the humidity control setpoint is satisfies, the valve shall be de-energized and the compressor(s) in circuit 1 shall be disabled. If there is a call for 1st stage cooling while in the dehumidification mode, no action shall take place. If there is a call for 2nd stage cooling, the hot gas reheat valve shall be de-energized, and the unit shall revert to the cooling mode. If 2nd stage cooling is satisfied and there is still a call for dehumidification, the hot gas reheat valve shall once again be energized.

Energy Recovery Wheel Operation:

When the outside air enthalpy is higher than the return air enthalpy, the wheel shall be turned on and both outside air and relief air bypass dampers shall be closed. When the outside air enthalpy is less than the return air enthalpy and the RTU is cooling (or airside economizing), the wheel shall be turned off and both outside air and relief air bypass dampers shall be open. When the RTU is heating, the wheel shall be turned on as the first stage of heat, the outside air bypass damper shall be closed, and the relief air bypass damper shall modulate (as necessary) to maintain discharge air temperature at setpoint (adj.). If the outside air temperature drops below the frost threshold setpoint (adj.), the outside air bypass damper shall modulate to maintain the relief-side leaving temperature at setpoint.

Supply Fan:

The supply fan shall be enabled while in the occupied mode and cycled on during the unoccupied mode.

Supply Duct Static Pressure Control:

During the occupied mode the unit controller shall modulate the output to the variable frequency drive as required to maintain the supply duct static pressure setpoint of 1.5 inches of W.C. (adj.). If the supply duct static pressure falls below 1.3 inches of W.C. (adj.) the unit controller shall increase the output to the variable frequency drive to maintain setpoint. If the supply duct static pressure rises above 1.7 inches of W.C. (adj.) the unit controller shall decrease the output to the variable frequency drive to maintain setpoint. Upon a call for heating or cooling in the unoccupied mode the unit controller shall modulate the speed of the variable frequency drive to 100%.

Static Pressure High Limit:

If for any reason the supply air pressure exceeds the supply air pressure high limit, the supply fan shall shut down. The unit shall be allowed to restart three times after a 15 minute off period. If the overpressurization condition occurs on the fourth restart, the unit shall shut down and a manual reset diagnostic is displayed at the remote panel and/or the BAS system. If for any reason the supply air pressure exceeds the fixed supply air pressure limit of 3.5 inches of W.C. the supply fan shall shut down. The unit shall be allowed to restart three times. If the over pressurization condition occurs on the fourth restart, the unit shall shut down and a manual reset diagnostic is displayed at the remote panel and/or the BAS system.

Relief Air and Building Pressure Control:

A differential pressure transducer shall actively monitor the difference in pressure between the building (indoors) and outdoors. If the building pressure increases above the differential pressure setpoint, the unit controller shall open the relief air damper, turn on the relief air fan and modulate the relief air fan variable frequency drive to control building pressure to the differential pressure setpoint. If the building pressure decreases below the differential pressure setpoint, the associated controller shall deactivate the relief air fan variable frequency drive.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

Economizing:

The outside air (OA) temperature shall be compared with space temperature. The economizer shall enable when OA temperature is less than space temperature - 2.0 deg. F. The economizer shall disable when OA temperature is greater than space temperature.

When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall be modulated between its minimum position and 100% open to maintain the space temperature setpoint. The economizer damper shall modulate toward minimum position in the event the mixed air temperature falls below the low temperature limit setting.

Smoke Detector Shutdown:

The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke and an alarm shall annunciate at the BAS. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit.

Condensate Overflow Shutdown:

The unit shall shut down in response to a signal from the condensate overflow sensor. The sensor shall be interlocked to the unit cooling controller for immediate shutdown of cooling.

2

Refrigerant Mitigation Mode:

The unit controller shall monitor the factory installed leak detection system on the DX coil, when a leak is detected, an alarm shall promptly alert the BAS via BACnet Change-of-Value (COV) and mitigation shall be activated.

In occupied mode, the supply fan shall remain operational, and the compressor(s), electric heating, fuel-fired heating, electrostatic devices, and any other ignition device starters shall be disabled, and activate mechanical ventilation (as required by Section 7.6.4 of the ASRAE standard). for the duration of the mitigation process plus an additional 5 minutes.

In unoccupied mode, the supply fan shall remain operational, and the compressor(s), electric heating, fuel-fired heating, electrostatic devices, and any other ignition device starters shall be disabled, and activate mechanical ventilation as required by Section 7.6.4 of the ASRAE standard for the duration of the mitigation process plus an additional 5 minutes.

Points List: RTU - 1

Point Name	POINTS								ALARMS				
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK ALARM	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
BUILDING STATIC PRESSURE LOCAL SP P	X	X								X	X			X	
COMPRESSOR 1 MODULATION COMMAND CMP1	X			X											
COMPRESSOR 2 COMMAND CMP2	X				X										
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL	X		X									X			
COOLING OUTPUT COMMAND CLG	X			X											
DISCHARGE AIR STATIC PRESSURE LOCAL DA SP		X								X	X		X		
DISCHARGE AIR TEMPERATURE DAT	X	X												X	
DX COIL FROST STAT FROSTAT	X		X									X			
ENERGY WHEEL COMMAND EW	X				X										
ENERGY WHEEL LEAVING OUTDOOR AIR HUMIDITY EW OA LAH	X	X												X	
ENERGY WHEEL LEAVING OUTDOOR AIR TEMPERATURE EW OA LAT	X	X												X	
ENERGY WHEEL LEAVING RELIEF AIR TEMPERATURE EW RLF LAT	X	X												X	
ENERGY WHEEL RELIEF AIR BYPASS DAMPER COMMAND EW RLF BYPD	X			X											
ENERGY WHEEL OUTDOOR AIR BYPASS DAMPER COMMAND EW OA BYPD	X			X											
ENERGY WHEEL OUTDOOR AIR FILTER STATUS LOCAL EW OA FIL	X		X									X			
GAS HEAT OUTPUT COMMAND GH	X			X											
HEATING OUTPUT COMMAND HTG	X			X											
HOT GAS REHEAT VALVE COMMAND HGRH	X			X											
OUTSIDE AIR DAMPER COMMAND OAD	X			X											
OUTSIDE AIR HUMIDITY LOCAL OAH	X	X												X	
OUTSIDE AIR TEMPERATURE LOCAL OAT	X	X												X	
PRIMARY FILTER STATUS LOCAL FIL	X		X									X			
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR A R ALM A		X													
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR B R ALM B		X													
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR C R ALM C		X													
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR D R ALM D		X													
REFRIGERANT CONCENTRATION BAS R PPM				X											
REFRIGERANT HIGH SIDE PRESSURE (63HS1) R HI		X													
REFRIGERANT LOW SIDE PRESSURE (63LS) R LO		X													
DUCT REFRIGERANT MONITOR R PPM		X													
REFRIGERANT LEAK DETECTION SYSTEM INPUT R IN			X												
REFRIGERANT LEAK SENSOR COMMUNICATION STATUS SENSOR A R STS A						X									
REFRIGERANT LFL CONCENTRATION SENSOR A R PPM A		X													
REFRIGERANT LFL CONCENTRATION SENSOR B R PPM B		X													
REFRIGERANT LFL CONCENTRATION SENSOR C R PPM C		X													
REFRIGERANT LFL CONCENTRATION SENSOR D R PPM D		X													
REFRIGERANT MITIGATION ACTIVE R MGT			X												
REFRIGERANT TYPE R TYPE						X									
RELIEF AIR FAN SPEED RLF	X			X											
RELIEF AIR FAN START/STOP RLF	X				X										
RELIEF AIR FAN STATUS LOCAL RLF	X		X												
RETURN AIR DAMPER COMMAND RAD	X			X											
RETURN AIR HUMIDITY LOCAL RAH	X	X												X	
RETURN AIR SMOKE DETECTION LOCAL RA SD							X								
RETURN AIR TEMPERATURE LOCAL RAT	X	X												X	
RETURN AIR WHEEL BYPASS DAMPER COMMAND RA EW BYPD	X			X											
REVERSING VALVE REV VLV	X				X										
SUPPLY FAN SPEED SAF				X											
SUPPLY FAN START/STOP SAF	X				X										
SUPPLY FAN STATUS LOCAL SAF	X		X												
APPLICATION MODE APP MODE						X									
BAS COMMUNICATION STATE BAS COM						X									X
COMPRESSOR ENABLE CMP ENA	X					X									
COMPRESSOR LOCKOUT STATUS CMP LCK						X									
COOL OUTPUT CLG						X									
DISCHARGE AIR STATIC PRESSURE SETPOINT DA SP SPT	X					X									
FAN MODE COMMAND FAN MODE						X									
FILTER TIMER HOURS FIL HRS						X									
HEAT / COOL MODE REQUEST H/C REQ	X					X									
HEAT OUTPUT HTG						X									
OCCUPANCY OCC	X					X									
OCCUPIED COOLING SETPOINT OCC CLG SP	X					X									
SUPPLY AIR HEATING/COOLING SETPOINT SA H/C SP						X									
TIMED OVERRIDE STATUS TOV						X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP	X					X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP	X					X									

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

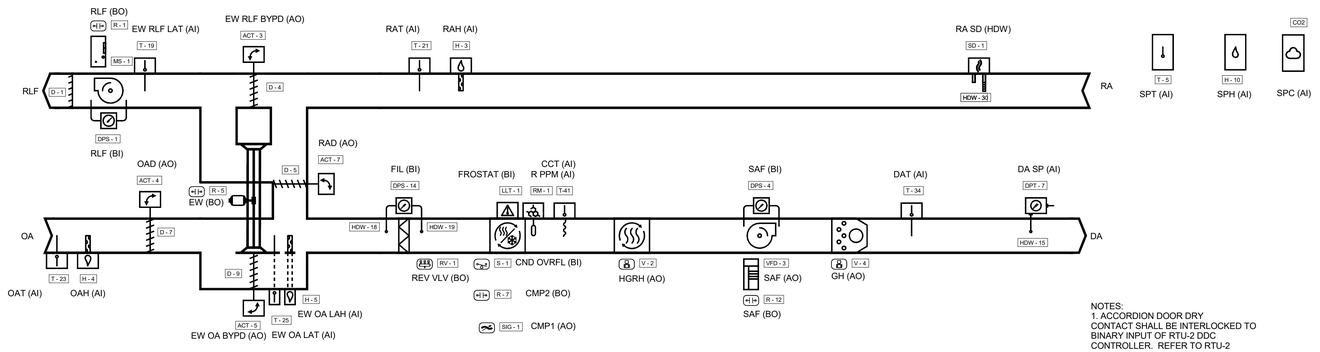
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

CONTROLS DIAGRAM
SHEET NO. 2

DRAWING NUMBER: M-502

Flow Diagram: RTU - 2



NOTES:
1. ACCORDION DOOR DRY CONTACT SHALL BE INTERLOCKED TO BINARY INPUT OF RTU-2 DDC CONTROLLER. REFER TO RTU-2 SEQUENCES FOR ACCORDION DOOR OPERATION.
2. ACCORDION DOOR DRY CONTACT SHALL BE PROVIDED OEM.

Sequence of Operation: RTU - 2

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously. Upon a call for DX heating or cooling, the unit controller shall enable the variable speed compressor. If the variable speed compressor cannot satisfy the load conditions, the unit controller shall start a fixed speed compressor. The variable speed compressor shall modulate to maintain the active space temperature setpoint. This process shall repeat until all of the fixed speed compressors have been started or until the load conditions can be satisfied. The gas heat shall be enabled and controlled to maintain the active space temperature setpoint. The discharge air temperature setpoint shall be dynamically reset based on the deviation of actual space temperature from the active space temperature setpoint.

Unoccupied:

During the unoccupied periods, the supply fan shall be disabled, the relief fan shall be disabled, the mechanical cooling shall be disabled, the mechanical heating shall be disabled, to conserve energy.

When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.) the supply fan and exhaust fan shall be commanded on, and the mechanical cooling shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the supply fan and the exhaust fan shall be commanded off, and the mechanical cooling shall be disabled.

When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan and exhaust fan shall be commanded on, and the mechanical heating shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan and exhaust fan shall be commanded off, the mechanical heating shall be disabled.

Demand Control Ventilation (DCV):
If the space CO2 level is greater than or equal to the Design Minimum CO2 Setpoint, the outdoor air damper shall open to the Design Minimum Outdoor Air Damper Setpoint. If there is a call for economizer cooling, the damper may be opened further to satisfy the cooling request.

If the space CO2 level is less than or equal to the DCV Minimum CO2 Setpoint, the outdoor air damper shall close to the DCV Minimum Outdoor Air Damper Setpoint. If there is a call for economizer cooling, the damper may be opened further to satisfy the cooling request.

If the space CO2 level is greater than the DCV Minimum CO2 Setpoint and less than the Design Minimum CO2 Setpoint, the outdoor air damper position shall be modulated proportionally to the return CO2 level relative to a target position between the DCV Minimum CO2 Setpoint and the Design Minimum CO2 Setpoint. If there is a call for economizer cooling, the damper may be opened further to satisfy the cooling request.

Accordion Door Operation:

When door is closed, RTU-2 shall operate normally.

When door is open via manual switch, if the unit is in cooling mode, the DX coil and compressors shall be disabled, and the unit shall run in fan-only mode. If the unit is in heating mode when the door is open, the unit shall maintain normal operation. Once the door is shut, the unit shall go back to normal cooling and heating operation.

Optimal Start:

The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:

During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Occupied Bypass:

The BAS shall monitor the status of the ON and CANCEL buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Heat/Cool Mode:

When the space temperature rises above the occupied cooling setpoint of 76-deg. F. (adj.) the mode shall transition to cooling. When the space temperature falls below the occupied heating setpoint of 68-deg. F. (adj.) the mode shall transition to heating. When the space temperature is above the occupied cooling setpoint or below the occupied heating setpoint the mode shall remain in its last state. If the space temperature sensor fails the mode shall remain in its last state and an alarm shall annunciate at the BAS. If the local and communicated setpoints fail the controller shall disable the supply fan and an alarm shall annunciate at the BAS.

Dehumidification:

MULTI-CIRCUIT UNITS: On a call for dehumidification, the hot gas reheat valve in circuit 1 shall energize and the compressor(s) shall enable. When the humidity control setpoint is satisfies, the valve shall be de-energized and the compressor(s) in circuit 1 shall be disabled. If there is a call for 1st stage cooling while in the dehumidification mode, no action shall take place. If there is a call for 2nd stage cooling, the hot gas reheat valve shall be de-energized, and the unit shall revert to the cooling mode. If 2nd stage cooling is satisfied and there is still a call for dehumidification, the hot gas reheat valve shall once again be energized.

Economizing:

The outside air (OA) temperature shall be compared with space temperature. The economizer shall enable when OA temperature is less than space temperature - 2.0 deg. F. The economizer shall disable when OA temperature is greater than space temperature.

When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall be modulated between its minimum position and 100% open to maintain the space temperature setpoint. The economizer damper shall modulate toward minimum position in the event the mixed air temperature falls below the low temperature limit setting.

Energy Recovery Wheel Operation:

When the outside air enthalpy is higher than the return air enthalpy, the wheel shall be turned on and both outside air and relief air bypass dampers shall be closed. When the outside air enthalpy is less than the return air enthalpy and the RTU is cooling (or airside economizing), the wheel shall be turned off and both outside air and relief air bypass dampers shall be open. When the RTU is heating, the wheel shall be turned on as the first stage of heat, the outside air bypass damper shall be closed, and the relief air bypass damper shall modulate (as necessary) to maintain discharge air temperature at setpoint (adj.). If the outside air temperature drops below the frost threshold setpoint (adj.), the outside air bypass damper shall modulate to maintain the relief-side leaving temperature at setpoint.

Supply Fan:

The unit controller shall vary the supply fan speed to optimize minimum fan speed in all cooling and heating modes.

Supply Duct Static Pressure Control:

The unit controller shall modulate the supply fan output as required to maintain the supply duct static pressure setpoint. If the supply duct static pressure falls below the supply air static setpoint + deadband, the unit controller shall increase the output to the supply fan to maintain setpoint. If the supply duct static pressure rises above the supply air static setpoint + deadband, the unit controller shall decrease the output to the supply fan to maintain setpoint.

Relief Air and Building Pressure Control:

The relief air fan shall enable when the economizer damper position is equal to or greater than the relief air fan setpoint.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

Smoke Detector Shutdown:

The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke and an alarm shall annunciate at the BAS. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit.

Condensate Overflow Shutdown:

The unit shall shut down in response to a signal from the condensate overflow sensor. The sensor shall be interlocked to the unit cooling controller for immediate shutdown of cooling.

Refrigerant Mitigation Mode:

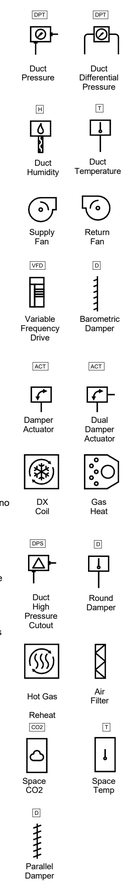
The unit controller shall monitor the leak detection system, when a leak is detected, an alarm shall promptly alert the BAS via BACnet Change-of-Value (COV) and mitigation shall be activated.

In occupied mode, the supply fan shall remain operational, and the compressor(s), electric heating, fuel-fired heating, electrostatic devices, and any other ignition device starters shall be disabled, and activate mechanical ventilation (if it's required by Section 7.6.4 of the ASRAE standard). for the duration of the mitigation process plus an additional 5 minutes.

In unoccupied mode, the supply fan shall remain operational, and the compressor(s), electric heating, fuel-fired heating, electrostatic devices, and any other ignition device starters shall be disabled, and activate mechanical ventilation (if it's required by Section 7.6.4 of the ASRAE standard). for the duration of the mitigation process plus an additional 5 minutes.

D | 1 — M-503 **RTU-2 CONTROL DIAGRAM**
SCALE: N.T.S.

LEGEND KEY



Points List: RTU - 2

Point Name	GRAPHIC	POINTS: ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	ALARMS: HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
ACCORDIAN DOOR STATUS ADS			X												
COMPRESSOR 1 MODULATION COMMAND CMP1		X			X										
COMPRESSOR 2 COMMAND CMP2		X				X									
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL		X		X									X		
COOLING OUTPUT COMMAND CLG		X			X										
DISCHARGE AIR STATIC PRESSURE LOCAL DA SP			X							X	X			X	
DISCHARGE AIR TEMPERATURE DAT		X	X												X
DX COIL FROST STAT FROSTAT		X		X									X		
ENERGY WHEEL COMMAND EW		X				X									
ENERGY WHEEL LEAVING OUTDOOR AIR HUMIDITY EW OA LAH		X	X												X
ENERGY WHEEL LEAVING OUTDOOR AIR TEMPERATURE EW OA LAT		X	X												X
ENERGY WHEEL LEAVING RELIEF AIR TEMPERATURE EW RLF LAT		X	X											X	
ENERGY WHEEL RELIEF AIR BYPASS DAMPER COMMAND EW RLF BYPD		X			X										
ENERGY WHEEL OUTDOOR AIR BYPASS DAMPER COMMAND EW OA BYPD		X			X										
ENERGY WHEEL OUTDOOR AIR FILTER STATUS LOCAL EW OA FIL		X		X									X		
GAS HEAT OUTPUT COMMAND GH		X			X										
HEATING OUTPUT COMMAND HTG		X			X										
HOT GAS REHEAT VALVE COMMAND HGRH		X			X										
OUTSIDE AIR DAMPER COMMAND OAD		X			X										
OUTSIDE AIR HUMIDITY LOCAL OAH		X	X												X
OUTSIDE AIR TEMPERATURE LOCAL OAT		X	X												X
PRIMARY FILTER STATUS LOCAL FIL		X		X									X		
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR A R ALM A			X												
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR B R ALM B			X												
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR C R ALM C			X												
REFRIGERANT LFL CONCENTRATION ALARM THRESHOLD SENSOR D R ALM D			X												
REFRIGERANT CONCENTRATION BAS R PPM					X										
REFRIGERANT HIGH SIDE PRESSURE (63HS1) R HI			X												
REFRIGERANT LOW SIDE PRESSURE (63LS) R LO			X												
DUCT REFRIGERANT MONITOR R PPM			X												
REFRIGERANT LEAK DETECTION SYSTEM INPUT R IN				X											
REFRIGERANT LEAK SENSOR COMMUNICATION STATUS SENSOR A R STS A							X								
REFRIGERANT LFL CONCENTRATION SENSOR A R PPM A			X												
REFRIGERANT LFL CONCENTRATION SENSOR B R PPM B			X												
REFRIGERANT LFL CONCENTRATION SENSOR C R PPM C			X												
REFRIGERANT LFL CONCENTRATION SENSOR D R PPM D			X												
REFRIGERANT MITIGATION ACTIVE R MGT				X											
REFRIGERANT TYPE R TYPE							X								
RELIEF AIR FAN START/STOP RLF		X				X									
RELIEF AIR FAN STATUS LOCAL RLF		X		X											
RETURN AIR DAMPER COMMAND RAD		X			X										
RETURN AIR HUMIDITY LOCAL RAH		X	X												X
RETURN AIR SMOKE DETECTION LOCAL RA SD								X							
RETURN AIR TEMPERATURE LOCAL RAT		X	X												X
RETURN AIR WHEEL BYPASS DAMPER COMMAND RA EW BYPD		X			X										
REVERSING VALVE REV VLV		X				X									
SPACE HUMIDITY LOCAL (WIRED) SPH		X	X							X					X
SPACE TEMPERATURE LOCAL (WIRED) SPT		X	X							X	X				
SUPPLY FAN SPEED SAF					X										
SUPPLY FAN START/STOP SAF		X				X									
SUPPLY FAN STATUS LOCAL SAF		X		X											
APPLICATION MODE APP MODE							X								
BAS COMMUNICATION STATE BAS COM							X								X
COMPRESSOR ENABLE CMP ENA		X					X								
COMPRESSOR LOCKOUT STATUS CMP LCK							X								
COOL OUTPUT CLG							X								
DISCHARGE AIR STATIC PRESSURE SETPOINT DA SP SPT		X					X								
FAN MODE COMMAND FAN MODE							X								
FILTER TIMER HOURS FIL HRS							X								
HEAT / COOL MODE REQUEST H/C REQ		X					X								
HEAT OUTPUT HTG							X								
OCCUPANCY OCC		X					X								
OCCUPIED COOLING SETPOINT OCC CLG SP		X					X								
SPACE TEMPERATURE SETPOINT ACTIVE SPT SP ACT		X					X								
TIMED OVERRIDE STATUS TOV							X								
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP		X					X								
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP		X					X								
COOLING COIL LEAVING TEMPERATURE CCT		X	X												
SPACE CO2 SETPOINT ACTIVE SPC		X					X								

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07/20/2026
EXP. 09/30/2026

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TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
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CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

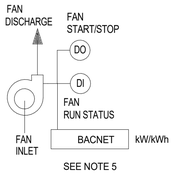
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: CONTROLS DIAGRAM SHEET NO. 3

DRAWING NUMBER: M-503



ABBREVIATIONS

DI	DIGITAL INPUT (PULSE-ACCUMULATOR)
DO	DIGITAL OUTPUT
AI	ANALOG INPUT
AO	ANALOG OUTPUT

D 1 M-504 **EXHAUST FAN CONTROLS**
SCALE: N.T.S

SEQUENCE OF OPERATION: EXHAUST FANS

The Exhaust Fan shall be controlled and monitored by the Building Management System (BMS) via BACnet communication.
SCHEDULED OPERATION
a. The EF shall operate according to a programmable weekly schedule maintained within the BMS.

b. During occupied periods, the BMS shall issue a START command to the exhaust fan.

c. During unoccupied periods, the BMS shall issue a STOP command to the exhaust fan unless overridden by an operator.

d. EF-1 shall have an autamic on/off override from HV-2. During unoccupied mode when HV-2 commands the fan to operate EF-1 shall switch on/off as needed.

e. EF-7 shall be commanded off by the BAS as a result of a contact closure from an external device . EF-7 shall coordinate with HV-1 otherwise.

f. EF-5 shall be commanded on based on temperature of the ELECTRICAL ROOM 120. When temperature rises above 80 the exhaust fan shall be modulated on till the temperature drops below 70

STATUS MONITORING
a. The fan run status shall be monitored via a status feedback point.

b. If a START command is issued and run status is not proven within 30 seconds, a Fan Failure Alarm shall be generated.
Binary Outputs (BO)

2

Exhaust Fan		Input/Output (Note 1)							Software/Firmware Features (Note 2,3)										Notes
		Sensed				Calculated			Alarms and Advisories (with...					Miscellaneous Features					
Reference No.	Point Name	Analog Input	Analog Output	Digital Input	Digital Output	String Value	Rate of Variable	Totalize Variable	Digital Alarm	Change-Of-State Alarm	High Limit Alarm	Low Limit Alarm	Runtime Limit (Hrs)	Broadcasted Point	"Direct BACnet...	Trended Value	Misc. Other	Network Variable Type	Notes
1	Fan Status			X					X	X						X		Input	4,5
2	Fan Command				X											X		Output	4
3	Fan Alarm			X					X	X						X		Input	4
4	Fan Power	X					KW								X	X		Input	4,6
5	Fan Energy	X					KWH	KWH							X	X		Input	4,6

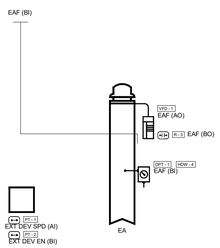
X = CONTRACTOR TO PROVIDE QUANTITY AS REQUIRED TO INCLUDE ALL INSTANCES OF THE INDICATED FEATURE. INCLUDE MULTIPE POINTS WITHIN EACH MECHANICAL SYSTEM AS NECESSARY. COORDINATE WITH EQUIPMENT VENDOR.

NOTES:
1. THE POINTS LISTED HEREIN ARE THE MINIUM POINTS REQUIRED FOR THE CONTROL AND MONITORING OF THIS EQUIMENT. THIS POINT LIST IS TYPICAL FOR EACH MECHANICAL/ELECTRICAL SYSTEM OF THIS TYPE.
2. THE H-CONTRACTOR SHALL PROVIDE ALL DIGITAL ALARM LOGIC. ALL DIGITAL ALARMS SHALL BE PART OF THE BACnet DATABASE.
3. THE CONTRACTOR WILL PROVIDE ALL TRENDING AND ANALOG ALARMING VIA THE HMI/SCADA SOFTWARE.
4. CONTRACTOR SHALL MAP POINTS TO THE BACnet DATABASE.
5. PROVIDE CURRENT SWITCHES AS REQUIRED.
6. SUPPLY VFD MOTOR CONTROL FOR SYSTEMS EQUAL TO OR OVER 5 HP. PROVIDE BACnet CONNECTION FOR MONITORING kW AND kWh.

Points List: KITCHEN FAN

Point Name	POINTS									ALARMS					
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
EXHAUST FAN SPEED COMMAND EAF				X											
EXHAUST FAN STATUS EAF	X		X												
EXTERNAL DEVICE COMMAND FAN SPEED EXT DEV SPD		X													
EXTERNAL DEVICE ENABLE FAN EXT DEV EN			X												
EXHAUST FAN START STOP COMMAND EAF	X				X										
BAS COMMUNICATION STATE BAS COM						X									

Flow Diagram: KITCHEN FAN



NOTES:
1. H-CONTRACTOR TO FIELD INSTALL DDC CONTROLLER FOR TWO MODES OF OPERATION - GENERAL EXHAUST MODE TO HV-2 AND COOKING MODE ENABLED VIA SWITCH.

Sequence of Operation: KITCHEN FAN

General Exhaust Operation:

The exhaust fan shall be commanded on by the BAS as a result of a contact closure from an external device to coordinate with HV - 2 as general exhaust which is 1285 CFM (adj.). The exhaust fan shall be modulated by the BAS as a result of a variable signal from an external device.
Kitchen fan shall have an on/off override from HV-2 for unoccupied period.

Cooking Operation:

The exhaust fan shall increase speed to 1800 CFM (adj.) and enable cooking mode as a result of a contact closure from an physical switch.

Fan Status:

The fan status shall be monitored by a differential pressure switch. If the fan is signaled to start, and status is not proven within 20 seconds (adj.), an alarm shall annunciate at the BAS.

2

D 3 M-504 **KEF CONTROLS**
SCALE: 1/8" = 1'-0"

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EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

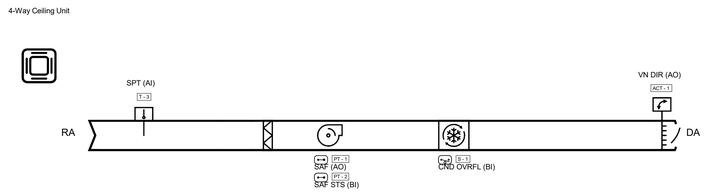
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H
DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

SHEET TITLE: CONTROLS DIAGRAM SHEET NO. 4

DRAWING NUMBER: M-504

Flow Diagram: AC - 1 - 4 (Qty. 4)



NOTES:
1. AC - 1, 2, 3 SHALL COORDINATE WITH HVAC - 1 AS A SECOND STAGE OF HEATING AND COOLING VIA BACNET/IP COMMUNICATION THROUGH TW-50 AND TRACER SYSTEM CONTROLLER.
2. AC - 4 SHALL COORDINATE WITH HV - 2 AS FIRST STAGE OF COOLING AND SECOND STAGE OF HEATING VIA BACNET/IP COMMUNICATION THROUGH TW-50 AND TRACER SYSTEM CONTROLLER.

Sequence of Operation: AC - 1 - 4 (Qty. 4)

Building Automation System Interface:

The Building Automation System (BAS) shall allow the user to monitor the status of Variable Refrigerant Flow (VRF) terminal units, outdoor units, and secondary VRF equipment, and modify control parameters of terminal units and secondary VRF equipment as necessary to maintain the desired space conditions.

If communication between the VRF equipment and the BAS is lost, the VRF system shall continue to operate using the current control parameters stored within the equipment to maintain the desired space conditions.

External Control Device:

In this specification the term 'external control device' is used to denote one or more user interface control devices that may be present in the system. The control devices that may be present are a Local Control device, VRF System Control device, or a Building Automation System. When more than one external control device is present in the control system, the last command or configuration value received by the indoor unit governs indoor unit operation.

There may be other means to provide commands and configuration parameters to the VRF system, such as hardwired control inputs. However, these are not considered the typical system control use case and the specification does not address them as written.

Zone Temperature Setpoint Control:

AC - 1, 2, 3: One zone air temperature setpoint is present. When VAVs served by HVAC - 1 cannot satisfy heating or cooling setpoints for 15 minutes (adj.), AC unit shall enable heating or cooling mode as a second stage of heat/cool and control the zone air temperature value to the Zone Temperature Setpoint value.

AC - 4: One zone air temperature setpoint is present. During cooling mode, AC-4 shall operate to satisfy cooling setpoint as the primary source of cooling; the fan shall operate in one speed at 1306 CFM (adj.). During heating mode, AC-4 shall operate in fan only mode when HV-2; the fan shall also operate in one speed at 1304 CFM (adj.).

On/Off Mode:

The terminal unit has two modes that drive the overall operation of the unit, On and Off mode.

On. The internal algorithm shall control the unit to maintain the desired zone air temperature.

Off. The internal algorithm shall NOT control the unit to maintain the desire zone air temperature. The algorithm shall control components internal to the unit to minimize energy consumption and isolate it from VRF system refrigerant circuit. The zone air temperature sensor in use shall be monitored to allow the Zone Air Temperature Value to be displayed at an External Control Device(s).

Operation Mode:

Operation mode is the primary control parameter of the indoor unit when it is in the On state. The operation mode command provided to the indoor unit from an eternal control device shall determine the base HVAC control function the indoor unit is providing. Available modes of operation are Cool, Dry, Fan, Heat, Setback, and Auto.

Cool. When the terminal unit Operation Mode is the Cool state, liquid refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The position of LEV is determined by an algorithm internal to the terminal unit. The algorithm calculates the temperature difference value between the measured zone air temperature value and the Cooling Temperature Setpoint value. When a large difference value exists, the LEV is driven open to allow more refrigerant into the evaporator coil. As the zone air temperature decreases the difference value becomes less. The algorithm shall respond and drive the LEV to more closed position reducing the amount of refrigerant entering into the evaporator coil. As the difference value approaches zero, the system stabilizes and the amount of LEV modulation is minimal.

Dry. When the terminal unit Operation Mode is the Dry state, liquid refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The goal in Dry mode is to remove water vapor from the air, not control the zone air temperature value to a zone temperature setpoint. When the terminal unit is commanded to the Dry state, an algorithm internal to the terminal unit drives the LEV to an open position. It is assumed that the position of the valve allows a sufficient amount of refrigerant to enter the coil, to cause the surface temperature of the coil fins to fall below the dew point temperature. The result is condensation that removes water vapor from the air passing through the coil.

When the zone air temperature value is greater than or equal to the Cooling Temperature Setpoint, Dry state is beneficial from both a humidity and zone temperature perspective because water vapor is being removed from the air in the zone and the difference value between the zone air temperature value and the Cooling Temperature Setpoint value is reduced.

Continued dehumidification shall cause the zone air temperature value to become less than the Cooling Temperature Setpoint, which is undesirable. To combat the effect, the algorithm calculates the temperature difference value between the zone air temperature value and Cooling Temperature Setpoint. Based on the difference value, the algorithm uses a sliding time scale method to modulate the LEV between the open position and the fully closed position for a variable length of time. It is assumed that when the LEV is in the fully closed position latent heat within the zone shall cause the zone air temperature value to increase. The method allows some dehumidification to take place without significantly lowering the air temperature in the zone below the Cooling Temperature Setpoint.

Fan. When the terminal unit Operation Mode is the Fan state, the LEV is closed and the terminal unit does not attempt regulate the air temperature in the zone. The temperature of the air in the zone may change due to latent heat within the zone. With the use of an external user interface, the speed of the fan may be modulated between the discrete states supported by the terminal unit.

Heat. When the terminal unit Operation Mode is the Heat state, hot gas refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The position of LEV is determined by an algorithm internal to the terminal unit. The algorithm calculates the temperature difference value between the measured zone air temperature value and the Heating Temperature Setpoint value. When a large difference value exists, the LEV is driven open to allow more refrigerant into the evaporator coil. As the zone air temperature increases the difference value becomes less. The algorithm shall respond and drive the LEV to more closed position reducing the amount of refrigerant entering into the evaporator coil. As the difference value approaches zero, the system stabilizes and the amount of LEV modulation is minimal.

Setback. Some terminal units may not support the Setback state. When the terminal unit Operation Mode transitions to Setback state, the LEV is driven closed and the zone air temperature is allowed to drift. The amount of drift is bounded by the Setback Cooling Temperature Setpoint and the Setback Heating Temperature Setpoint.

When the Heat Pump system mode is Cool. If the zone air temperature value is greater than the Setback Cooling Temperature Setpoint, the terminal unit shall execute the setback cool algorithm. The algorithm modulates the LEV to maintain the zone temperature to the Setback Cooling Temperature Setpoint.

When the Heat Pump system mode is Heat, cooling the zone is not possible. If the zone air temperature value is greater than the Setback Cooling Temperature Setpoint, the terminal unit shall not execute the setback cool algorithm and the LEV shall remain closed.

When the Heat Pump system mode is Heat. If the zone air temperature value is less than the Setback Heating Temperature Setpoint, the terminal unit shall execute the setback heat algorithm. The algorithm modulates the LEV to maintain the zone temperature to the Setback Heating Temperature Setpoint.

When the Heat Pump system mode is Cool, heating the zone is not possible. If the zone air temperature value is less than the Setback Heating Temperature Setpoint, the terminal unit shall not execute the setback heat algorithm and the LEV shall remain closed.

Fan Control. When the indoor unit is in the Off state, the fan is controlled to the minimum speed required to measure zone air temperature at the return air temperature sensor. This allows zone air temperature to be accurately measured while the indoor unit is in the Off state.

Upon transition from the Off state to the On state, the RPM of the fan is governed to match a manufacture specified, RPM value assigned to the each discrete fan speed state available in the unit. The number of distinct fan speed states and the fan RPM value for each state varies by manufacture and model of indoor unit. The fan speed state is controlled by one of two methods, automatic fan speed control or manual fan speed control. The choice of control method is made by a user of the system.

Upon indoor unit transition from the On state to the Off state, the fan transitions to the state described when the indoor unit is in the Off state.

Manual Fan Speed Control. A user of the system selects a desired fan speed state. The fan speed RPM shall change to match the manufacture specified RPM value and maintain the RMP value until a different fan speed state is selected or a change is made to another control parameter of the indoor unit that causes the fan to change to a different state.

Automatic Fan Speed Control. When a user of the system selects the fan speed state Auto, an algorithm internal to the indoor unit controls the selection of the fan speed state. The algorithm calculates the temperature difference value between the measured zone air temperature value and the zone temperature setpoint value in use. When a large difference value exists, the fan state selected shall have a highest fan speed RPM value. As the difference value is reduced, the algorithm shall change the fan speed in use to a state with a smaller RPM value.

Vane Direction:

The terminal unit has movable air vanes to change the direction of air flow from the unit. Three air vane control modes are available: Auto, Swing, and Manual. The external user interface is used to select the air vane position in use.

Auto. When the Operation Mode is Cool state, the air vanes modulate to direct airflow parallel to the ceiling. When the Operation Mode is Heat state, the air vanes modulate to direct airflow perpendicular to the ceiling.

Swing. Regardless of Operation Mode state, the air vanes continuously modulate between parallel and perpendicular flow to the ceiling in a periodic manner.

Manual. Regardless of Operation Mode state, the air vanes are fixed at a position. The number of individual positions available varies by manufacturer and model type. Typically, two to five fixed positions are supported.

Condensate Overflow Monitoring:

The unit shall be equipped with a condensate drain pan level sensor to protect against drain pan overflow. If the sensor detects a high condensate level in the drain pan, the control shall shut down the indoor unit before an overflow can occur and a condensate alarm diagnostic shall annunciate at the BAS.

D 1 M-505 VRF AC 1-4 CONTROLS
SCALE: N.T.S.

Points List: AC - 1 - 4 (Qty. 4)

Point Name	POINTS								ALARMS				
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL			X										X		
FAN SPEED STATUS SAF STS			X												
SPACE TEMPERATURE LOCAL SPT	X	X													
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X													
SPACE TEMPERATURE (TH1) SPT		X													
SUPPLY FAN SPEED SAF				X											
VANE DIRECTION VN DIR	X			X											
ALARM CODE ALM						X									
ALARM MESSAGE ALM MSG						X									
BAS COMMUNICATION STATE BAS COM						X									X
EXPANSION VALVE STATE XV RATE						X									
FILTER TIMER HOURS FIL HRS						X									
GAS PIPE TEMPERATURE (TH3) VAPT						X									
GAS PIPE TEMPERATURE (TH4) VAPT						X									
HEAT / COOL MODE REQUEST H/C REQ						X									
INDOOR LEV RATE LEV RATE						X									
LIQUID PIPE TEMPERATURE (TH2) LIQT						X									
OCCUPIED COOLING SETPOINT OCC CLG SP						X									
OCCUPIED HEATING SETPOINT OCC HTG SP						X									
SUBCOOL (SC) SC						X									
SUPERHEAT (SH) SH						X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP						X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP						X									

Points List: CU - 1

Point Name	POINTS								ALARMS				
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
COMPRESSOR DISCHARGE TEMPERATURE CMP DT		X													
COMPRESSOR OUTPUT(S) CMP OUT				X											
DEMAND (EMERGENCY) STOP CMP ES			X												
HIGH SIDE SATURATION TEMPERATURE HSAT TEMP		X													
INVERTER HEAT SINK TEMPERATURE IVR TEMP		X													
LOW SIDE SATURATION TEMPERATURE LSAT TEMP		X													
OUTDOOR AIR TEMPERATURE OAT		X													
OUTDOOR UNIT FAN OUTPUT(S) OFN SPD				X											
POWER 3PH BUT ONLY MEASURING ONE LEG CURRENT (PH-A) CMP PHA		X													
POWER 3PH BUT ONLY MEASURING ONE LEG CURRENT (PH-C) CMP PHC		X													
REFRIGERANT HIGH SIDE PRESSURE HPRESS		X													
REFRIGERANT LOW SIDE PRESSURE LPRESS		X													
SUCTION LINE TEMPERATURE SUC TEMP		X													
ALARM CODE ALM						X									
ALARM MESSAGE ALM MSG						X									
COMPRESSOR OPERATION STATUS CMP STS						X									
LOW AMBIENT CAPACITY CONTROL LAMB CAP						X									
OPERATING SPEED OF THE MAIN ODU CMP FQ						X									
OPERATIONAL MODE STATUS MOD STS						X									
OUTDOOR UNIT FAN STATE OFN STS						X									
POWER LINE FREQUENCY PWR FQ						X									
REVERSING VALVE POSITION REV VLV POS						X									

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

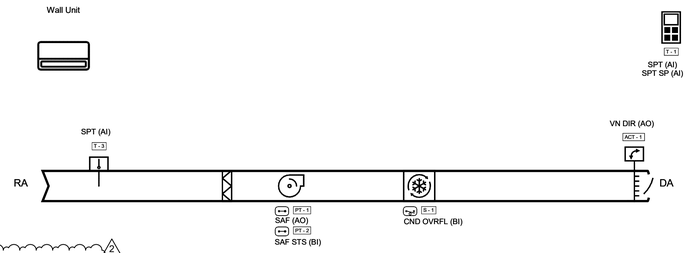
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:
CONTROLS DIAGRAM
SHEET NO. 5

DRAWING NUMBER: M-505

Flow Diagram: AC-5



2

Sequence of Operation: AC-5

2

Building Automation System Interface:

The Building Automation System (BAS) shall allow the user to monitor the status of Variable Refrigerant Flow (VRF) terminal units, outdoor units, and secondary VRF equipment, and modify control parameters of terminal units and secondary VRF equipment as necessary to maintain the desired space conditions.

If communication between the VRF equipment and the BAS is lost, the VRF system shall continue to operate using the current control parameters stored within the equipment to maintain the desired space conditions.

External Control Device:

In this specification the term 'external control device' is used to denote one or more user interface control devices that may be present in the system. The control devices that may be present are a Local Control device, VRF System Control device, or a Building Automation System. When more than one external control device is present in the control system, the last command or configuration value received by the indoor unit governs indoor unit operation.

There may be other means to provide commands and configuration parameters to the VRF system, such as hardwired control inputs. However, these are not considered the typical system control use case and the specification does not address them as written.

Zone Temperature Setpoint Control:

Single Setpoint. One zone air temperature setpoint is present. When the terminal unit is in a heating or cooling mode, it shall control the zone air temperature value to the Zone Temperature Setpoint value.

On/Off Mode:

The terminal unit has two modes that drive the overall operation of the unit, On and Off mode.

On. The internal algorithm shall control the unit to maintain the desired zone air temperature.

Off. The internal algorithm shall NOT control the unit to maintain the desire zone air temperature. The algorithm shall control components internal to the unit to minimize energy consumption and isolate it from VRF system refrigerant circuit. The zone air temperature sensor in use shall be monitored to allow the Zone Air Temperature Value to be displayed at an External Control Device(s).

Operation Mode:

Operation mode is the primary control parameter of the indoor unit when it is in the On state. The operation mode command provided to the indoor unit from an eternal control device shall determine the base HVAC control function the indoor unit is providing. Available modes of operation are Cool, Dry, Fan, Heat, Setback, and Auto.

Cool. When the terminal unit Operation Mode is the Cool state, liquid refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The position of LEV is determined by an algorithm internal to the terminal unit. The algorithm calculates the temperature difference value between the measured zone air temperature value and the Cooling Temperature Setpoint value. When a large difference value exists, the LEV is driven open to allow more refrigerant into the evaporator coil. As the zone air temperature decreases the difference value becomes less. The algorithm shall respond and drive the LEV to more closed position reducing the amount of refrigerant entering into the evaporator coil. As the difference value approaches zero, the system stabilizes and the amount of LEV modulation is minimal.

Dry. When the terminal unit Operation Mode is the Dry state, liquid refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The goal in Dry mode is to remove water vapor from the air, not control the zone air temperature value to a zone temperature setpoint. When the terminal unit is commanded to the Dry state, an algorithm internal to the terminal unit drives the LEV to an open position. It is assumed that the position of the valve allows a sufficient amount of refrigerant to enter the coil, to cause the surface temperature of the coil fins to fall below the dew point temperature. The result is condensation that removes water vapor from the air passing through the coil.

When the zone air temperature value is greater than or equal to the Cooling Temperature Setpoint, Dry state is beneficial from both a humidity and zone temperature perspective because water vapor is being removed from the air in the zone and the difference value between the zone air temperature value and the Cooling Temperature Setpoint value is reduced.

Continued dehumidification shall cause the zone air temperature value to become less than the Cooling Temperature Setpoint, which is undesirable. To combat the effect, the algorithm calculates the temperature difference value between the zone air temperature value and Cooling Temperature Setpoint. Based on the difference value, the algorithm uses a sliding time scale method to modulate the LEV between the open position and the fully closed position for a variable length of time. It is assumed that when the LEV is in the fully closed position latent heat within the zone shall cause the zone air temperature value to increase. The method allows some dehumidification to take place without significantly lowering the air temperature in the zone below the Cooling Temperature Setpoint.

Fan. When the terminal unit Operation Mode is the Fan state, the LEV is closed and the terminal unit does not attempt regulate the air temperature in the zone. The temperature of the air in the zone may change due to latent heat within the zone. With the use of an external user interface, the speed of the fan may be modulated between the discrete states supported by the terminal unit.

Heat. When the terminal unit Operation Mode is the Heat state, hot gas refrigerant is provided to the terminal unit. The amount of refrigerant entering the evaporator coil is regulated by the Linear Expansion Valve. The position of LEV is determined by an algorithm internal to the terminal unit. The algorithm calculates the temperature difference value between the measured zone air temperature value and the Heating Temperature Setpoint value. When a large difference value exists, the LEV is driven open to allow more refrigerant into the evaporator coil. As the zone air temperature increases the difference value becomes less. The algorithm shall respond and drive the LEV to more closed position reducing the amount of refrigerant entering into the evaporator coil. As the difference value approaches zero, the system stabilizes and the amount of LEV modulation is minimal.

Setback. Some terminal units may not support the Setback state. When the terminal unit Operation Mode transitions to Setback state, the LEV is driven closed and the zone air temperature is allowed to drift. The amount of drift is bounded by the Setback Cooling Temperature Setpoint and the Setback Heating Temperature Setpoint.

When the Heat Pump system mode is Cool. If the zone air temperature value is greater than the Setback Cooling Temperature Setpoint, the terminal unit shall execute the setback cool algorithm. The algorithm modulates the LEV to maintain the zone temperature to the Setback Cooling Temperature Setpoint.

When the Heat Pump system mode is Heat, cooling the zone is not possible. If the zone air temperature value is greater than the Setback Cooling Temperature Setpoint, the terminal unit shall not execute the setback cool algorithm and the LEV shall remain closed.

When the Heat Pump system mode is Heat. If the zone air temperature value is less than the Setback Heating Temperature Setpoint, the terminal unit shall execute the setback heat algorithm. The algorithm modulates the LEV to maintain the zone temperature to the Setback Heating Temperature Setpoint.

When the Heat Pump system mode is Cool, heating the zone is not possible. If the zone air temperature value is less than the Setback Heating Temperature Setpoint, the terminal unit shall not execute the setback heat algorithm and the LEV shall remain closed.

Fan Control. When the indoor unit is in the Off state, the fan is controlled to the minimum speed required to measure zone air temperature at the return air temperature sensor. This allows zone air temperature to be accurately measured while the indoor unit is in the Off state.

Upon transition from the Off state to the On state, the RPM of the fan is governed to match a manufacture specified, RPM value assigned to the each discrete fan speed state available in the unit. The number of distinct fan speed states and the fan RPM value for each state varies by manufacture and model of indoor unit. The fan speed state is controlled by one of two methods, automatic fan speed control or manual fan speed control. The choice of control method is made by a user of the system.

Points List: AC-6

Point Name	POINTS								ALARMS			
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL			X										X		
FAN SPEED STATUS SAF STS			X												
SPACE TEMPERATURE LOCAL SPT	X	X													
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X													
SPACE TEMPERATURE (TH1) SPT		X													
SUPPLY FAN SPEED SAF					X										
VANE DIRECTION VN DIR	X				X										
ALARM CODE ALM						X									
ALARM MESSAGE ALM MSG						X									
BAS COMMUNICATION STATE BAS COM						X									X
EXPANSION VALVE STATE XV RATE						X									
FILTER TIMER HOURS FIL HRS						X									
GAS PIPE TEMPERATURE (TH3) VAPT						X									
GAS PIPE TEMPERATURE (TH4) VAPT						X									
HEAT / COOL MODE REQUEST H/C REQ						X									
INDOOR LEV RATE LEV RATE						X									
LIQUID PIPE TEMPERATURE (TH2) LIQT						X									
OCCUPIED COOLING SETPOINT OCC CLG SP						X									
OCCUPIED HEATING SETPOINT OCC HTG SP						X									
SUBCOOL (SC) SC						X									
SUPERHEAT (SH) SH						X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP						X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP						X									

Points List: CU-2

Point Name	POINTS								ALARMS			
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
COMPRESSOR DISCHARGE TEMPERATURE CMP DT		X													
COMPRESSOR OUTPUT(S) CMP OUT				X											
DEMAND (EMERGENCY) STOP CMP ES			X												
HIGH SIDE SATURATION TEMPERATURE HSAT TEMP		X													
INVERTER HEAT SINK TEMPERATURE IVR TEMP		X													
LOW SIDE SATURATION TEMPERATURE LSAT TEMP		X													
OUTDOOR AIR TEMPERATURE OAT		X													
OUTDOOR UNIT FAN OUTPUT(S) OFN SPD				X											
POWER 3PH BUT ONLY MEASURING ONE LEG CURRENT (PH-A) CMP PHA		X													
POWER 3PH BUT ONLY MEASURING ONE LEG CURRENT (PH-C) CMP PHC		X													
REFRIGERANT HIGH SIDE PRESSURE HPRESS		X													
REFRIGERANT LOW SIDE PRESSURE LPRESS		X													
SUCTION LINE TEMPERATURE SUC TEMP		X													
ALARM CODE ALM						X									
ALARM MESSAGE ALM MSG						X									
COMPRESSOR OPERATION STATUS CMP STS						X									
LOW AMBIENT CAPACITY CONTROL LAMB CAP						X									
OPERATING SPEED OF THE MAIN ODU CMP FQ						X									
OPERATIONAL MODE STATUS MOD STS						X									
OUTDOOR UNIT FAN STATE OFN STS						X									
POWER LINE FREQUENCY PWR FQ						X									
REVERSING VALVE POSITION REV VLV POS						X									

Upon indoor unit transition from the On state to the Off state, the fan transitions to the state described when the indoor unit is in the Off state.

Manual Fan Speed Control. A user of the system selects a desired fan speed state. The fan speed RPM shall change to match the manufacture specified RPM value and maintain the RMP value until a different fan speed state is selected or a change is made to another control parameter of the indoor unit that causes the fan to change to a different state.

Automatic Fan Speed Control. When a user of the system selects the fan speed state Auto, an algorithm internal to the indoor unit controls the selection of the fan speed state. The algorithm calculates the temperature difference value between the measured zone air temperature value and the zone temperature setpoint value in use. When a large difference value exists, the fan state selected shall have a highest fan speed RPM value. As the difference value is reduced, the algorithm shall change the fan speed in use to a state with a smaller RPM value.

Vane Direction:

The terminal unit has movable air vanes to change the direction of air flow from the unit. Three air vane control modes are available: Auto, Swing, and Manual. The external user interface is used to select the air vane position in use.

Auto. When the Operation Mode is Cool state, the air vanes modulate to direct airflow parallel to the ceiling. When the Operation Mode is Heat state, the air vanes modulate to direct airflow perpendicular to the ceiling.

Swing. Regardless of Operation Mode state, the air vanes continuously modulate between parallel and perpendicular flow to the ceiling in a periodic manner.

Manual. Regardless of Operation Mode state, the air vanes are fixed at a position. The number of individual positions available varies by manufacturer and model type. Typically, two to five fixed positions are supported.

Condensate Overflow Monitoring:

The unit shall be equipped with a condensate drain pan level sensor to protect against drain pan overflow. If the sensor detects a high condensate level in the drain pan, the control shall shut down the indoor unit before an overflow can occur and a condensate alarm diagnostic shall annunciate at the BAS.

D 1 VRF AC 5 CONTROLS
M-506 SCALE: N.T.S.

NEW YORK STATE Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
bell & spina ARCHITECTS
A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

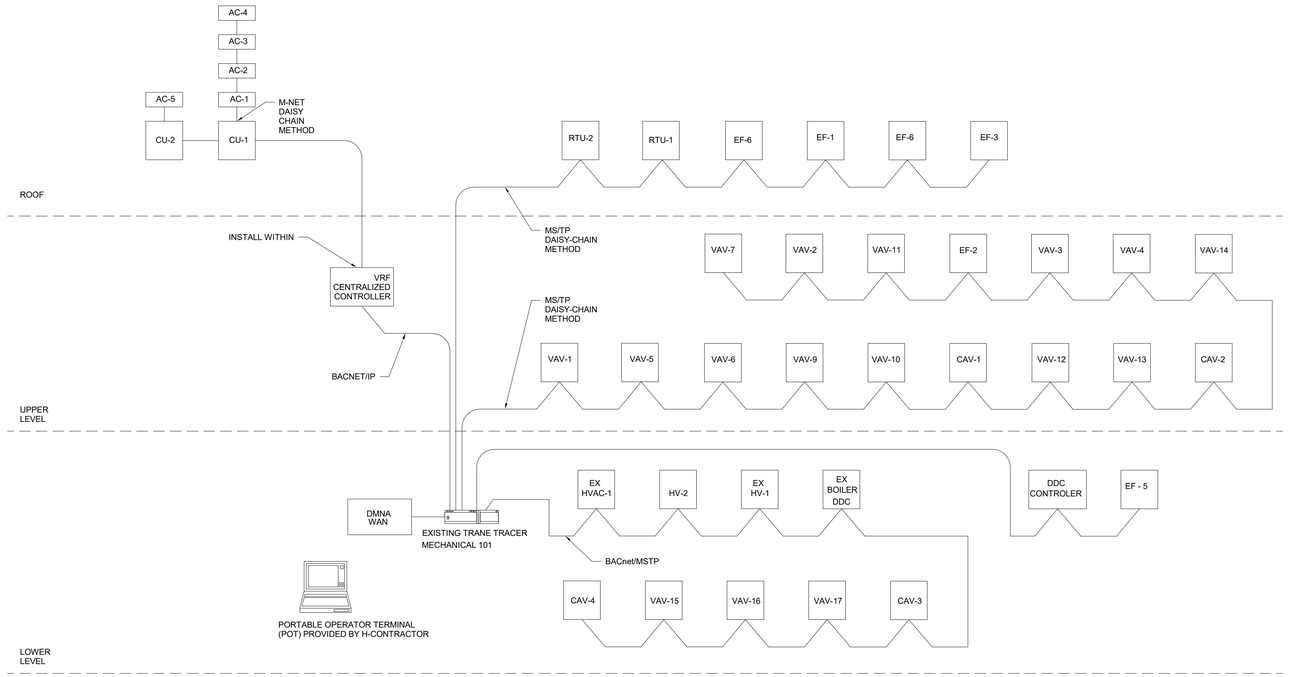
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

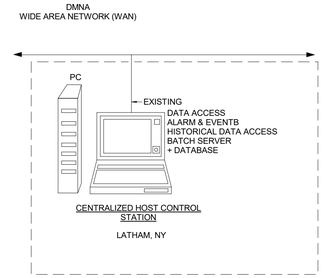
DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

SHEET TITLE: CONTROLS DIAGRAM SHEET NO. 6

DRAWING NUMBER: M-506



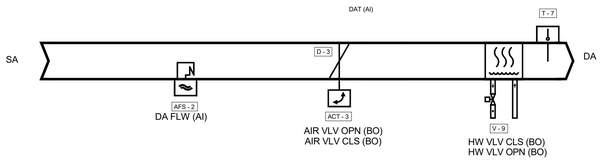
D 1 M-507 Network Riser
SCALE: N.T.S.



CONTROLS ALLOWANCE NOTE

1. AN ALLOWANCE FOR THE FOLLOWING WORK LISTED BELOW IS INCLUDED IN SPECIFICATION SECTION 012100.
   - 1.1. PROVIDE LAPTOP COMPUTER WITH A LAPTOP CARRY BAG, MOUSE, PRINTER AND SURGE PROTECTOR WITH LATEST VERSION OF TRANE BUILDING AUTOMATION INTERFACE SOFTWARE.
   - 1.2. UPDATE GRAPHICS AND PROGRAMING TO INTEGRATE WORK PROVIDED UNDER THIS PROJECT WITH THE EXISTING UNITS.
   - 1.3. PROGRAM AND SETUP THE PORTABLE OPERATOR TERMINAL.
   - 1.4. INCORPORATE CONTROLS INTO THE EXISTING FACILITY WIDE CONTROLS SYSTEM IN LATHAM.
   - 1.5. PROVIDE ONE (1), FOUR (4) HOUR TRAINING BY TRANE.
2. CONTROLS ALLOWANCE CONTACT (TRANE)
   - 2.1. EVONY A. VIERA, Cell: (862) 246-0239, E-mail: Evony.Viera@Trane.com

Flow Diagram: VAV 1-17



Sequence of Operation: VAV (Qty. 14)

OCCUPIED:

THE OCCUPANCY MODE SHALL BE COMMUNICATED OR HARDWIRED TO THE CONTROLLER VIA A BINARY INPUT. WHEN THE UNIT IS IN THE OCCUPIED MODE THE VAV SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED HEATING OR COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE VAV. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE VAV.

OCCUPIED STANDBY:

THE OCCUPANCY MODE SHALL BE COMMUNICATED OR HARDWIRED TO THE CONTROLLER VIA A BINARY INPUT, EVEN THOUGH THE BAS HAS SCHEDULED THE SPACE AS OCCUPIED. IN THE OCCUPIED STANDBY MODE, THE ACTIVE COOLING AND HEATING SETPOINTS SHALL BE RELAXED (SEE COOLING AND HEATING MODE) AND BOTH THE VENTILATION AIRFLOW AND MINIMUM AIRFLOW SETPOINTS SHALL BE LOWERED (SEE VAV SCHEDULE).

UNOCCUPIED:

NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE STORED UNOCCUPIED HEATING OR COOLING SETPOINT REGARDLESS OF THE PRESENCE OF A HARDWIRED OR COMMUNICATED SETPOINT. WHEN THE SPACE TEMPERATURE DROPS BELOW ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL MODULATE THE AIR DAMPER AND THE HOT WATER VALVE UNTIL THE ZONE TEMPERATURE RISES BACK TO 2.0 DEG. F ABOVE THE UNOCCUPIED HEATING SETPOINT. WHEN THE SPACE TEMPERATURE EXCEEDS THE ACTIVE UNOCCUPIED SETPOINT THE HOT WATER VALVE SHALL THE AIR DAMPER AND HOT WATER VALVE SHALL MODULATE FULLY CLOSED.

OCCUPIED BYPASS:

MODE USED TO TEMPORARILY PLACE THE UNIT INTO THE OCCUPIED OPERATION. TENANTS SHALL BE ABLE TO OVERRIDE THE UNOCCUPIED MODE FROM THE SPACE SENSOR. THE OVERRIDE SHALL LAST FOR A MAXIMUM OF 4 HOURS (ADJ.). THE TENANTS SHALL BE ABLE TO CANCEL THE OVERRIDE FROM THE SPACE SENSOR AT ANY TIME. DURING THE OVERRIDE THE UNIT SHALL OPERATE IN OCCUPIED MODE.

HEAT/COOL SETPOINT:

THE SPACE TEMPERATURE SETPOINT SHALL BE DETERMINED EITHER BY A LOCAL (E.G., THUMBWHEEL) SETPOINT, THE VAV DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE VAV SHALL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE VAV SHALL USE THE COMMUNICATED VALUE.

COOLING MODE:

WHEN THE UNIT IS IN COOLING MODE, THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. THE VAV SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS SHALL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.
BASED ON THE VAV CONTROLLER OCCUPANCY MODE, THE ACTIVE COOLING SETPOINT SHALL BE ONE OF THE FOLLOWING:

SETPOINT	DEFAULT VALUE
OCCUPIED COOLING SETPOINT	76.0 DEG. F
UNOCCUPIED COOLING SETPOINT	85.0 DEG. F
OCCUPIED STANDBY COOLING SETPOINT	78.0 DEG. F
OCCUPIED MIN COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE

HEATING MODE:

REHEAT SHALL ONLY BE ALLOWED WHEN THE SUPPLY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE VAV SHALL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:

SETPOINT	DEFAULT VALUE
OCCUPIED HEATING SETPOINT	68.0 DEG. F
UNOCCUPIED HEATING SETPOINT	60.0 DEG. F
OCCUPIED STANDBY HEATING SETPOINT	67.0 DEG. F
OCCUPIED MIN HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE

LOCAL REHEAT CONTROL:

REHEAT SHALL ONLY BE ALLOWED WHEN THE PRIMARY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE VAV SHALL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:

SPACE SENSOR FAILURE:

IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE VAV TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE VAV IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE VAV IS IN THE UNOCCUPIED MODE.

D 2 M-507 VAV 1-17
SCALE: N.T.S.

Points List: VAV (1-17)

Point Name	POINTS									ALARMS					
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
AIR VALVE DRIVE OPEN COMMAND AIR VLV OPN	X				X										
AIR VALVE DRIVE CLOSE COMMAND AIR VLV CLS	X				X										
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
LOCAL HEAT VALVE COMMAND CLOSE HW VLV CLS	X				X										
LOCAL HEAT VALVE COMMAND OPEN HW VLV OPN	X				X										
SPACE OCCUPANCY INPUT SP OCC	X		X												
SPACE TEMPERATURE LOCAL SPT	X	X													
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X													
SUPPLY AIRFLOW DA FLW	X	X								X	X				
BAS COMMUNICATION STATE BAS COM						X									X
DESIGN HEAT DISCHARGE AIR TEMP SETPOINT DSHG HT DAT SP						X									
MAXIMUM COOLING AIRFLOW SETPOINT MAX CLG FLW SP						X									
MINIMUM COOLING AIRFLOW SETPOINT MIN CLG FLW SP						X									
MAXIMUM HEATING AIRFLOW SETPOINT MAX HTG FLW SP						X									
MINIMUM HEATING AIRFLOW SETPOINT MIN HTG FLW SP						X									
OCCUPIED BYPASS TIMER OCC TMR	X					X									
OCCUPIED COOLING SETPOINT OCC CLG SP	X					X									
OCCUPIED HEATING SETPOINT OCC HTG SP	X					X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP	X					X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP	X					X									

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
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CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS

DRAWN BY: SJ

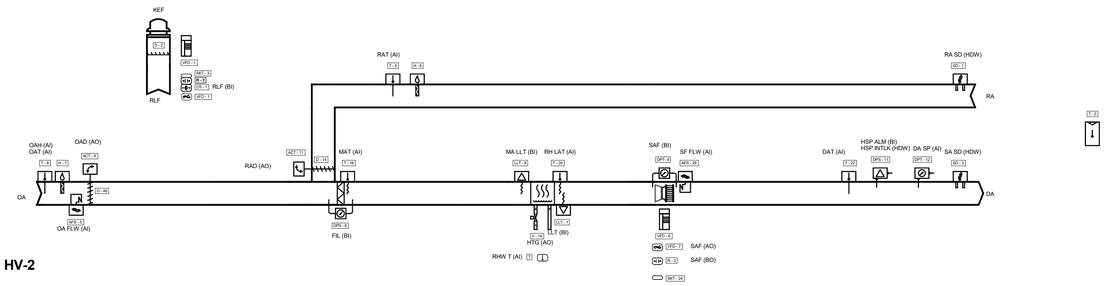
FIELD CHECK: HS

APPROVED: HS

SHEET TITLE: CONTROLS DIAGRAM SHEET NO. 7

DRAWING NUMBER: M-507

Flow Diagram: HV - 2



Sequence of Operation: HV-2

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up, Occupied/Unoccupied and Heat/Cool modes. The BAS shall also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously and the mixed air dampers shall open to maintain minimum ventilation requirements. In the heating mode the hot water valve shall modulate to control the discharge air setpoint. If the discharge air temperature sensor fails, shall fallback to control to the active space temperature setpoint and an alarm shall be annunciated at the BAS. shall fallback to control to the discharge air temperature setpoint of 70 deg F (adj.) and an alarm shall be annunciated at the BAS. If the discharge air temperature sensor fails, and the space temperature sensor fails, the supply fan shall be disabled, the heating valve should close, the outdoor air should close, and an alarm should annunciate at the BAS. In cooling mode the unit shall modulate the recirculation damper off and supply fan shall modulate the fan to maintain minimum ventelation in the area.

2 Unoccupied:

During the unoccupied periods the outside air damper shall modulate between close and open,and the supply fan and mechanical heating and cooling shall enable as needed to maintain a night setback setpoint which is heating 60-deg.F.(adj) to conserve energy.
The HV-2 unit shall command the KEF-1 and EF-1 when the outside damper is modulated on during mechanical cooling and heating is needed to maintain night setback points.

Optimal Start:

The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Occupied Bypass:

The BAS shall monitor the status of the ON and CANCEL buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Morning Warm-Up Mode:

During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Daytime Warm-Up Control:

During Occupied periods, when the space temperature is below the Daytime Warm-up Initiate setpoint, a daytime warm-up sequence shall be activated. The outside air damper shall modulate to maintain minimum ventilation requirements, and the heating shall enable to maintain the discharge air temperature heating setpoint. Daytime Warm-up shall terminate when the average space temperature reaches the Occupied heating setpoint.

Supply Fan:

The supply fan shall be switched on and off as needed if the control is heating or cooling in the unoccupied mode. When the controller is in the occupied mode, the supply fan shall operate continuously. The supply fan speed shall be modulated to maintain the duct static pressure setpoint. The duct static pressure setpoint shall be sent by the BAS and is reset between the minimum and maximum static pressure limits to maintain the critical zone VAV air damper in a position between 65% and 75% open. If the supply fan fails to prove status for 30 seconds (adj.), the fan shall remain commanded on, the outside air damper shall close, all heating shall be disabled, and an alarm shall annunciate at the BAS. Once the fan status is proven on, the alarm on the supply fan shall clear. A hardwired, high static pressure cut-off switch shall be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan shall be commanded off, heating shall be disabled, the outside air damper shall close,
and an alarm shall annunciate at the BAS. A manual reset of the high static pressure cut-off switch shall be required to restart the fan.

Kitchen Exhaust Fan

Refer to KEF sequence.

Low Limit Temperature Control:

The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 45.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall annunciate at the BAS and the outside air damper shall close.

Discharge Air Temperature Control:

The discharge air temperature setpoint shall be reset to the optimal setpoint communicated by the BAS. The Space Temperature BAS and the Space Temperature Setpoint BAS shall be communicated to the unit controller by the BAS. The discharge air temperature setpoint shall be reset based upon the deviation of the Space Temperature BAS from the Space Temperature Setpoint BAS.

The BAS shall override the reset function to the minimum discharge air temperature setpoint when:

- Outdoor dew point is higher than 60.0 deg. F (adj.)

If the discharge air temperature rises above the maximum limit, a high temperature alarm shall annunciate to the BAS. If the discharge air temperature drops below the minimum limit, a low temperature alarm shall annunciate to the BAS.

Freeze Protection:

A hardwired, low limit temperature switch shall be electrically interlocked with the variable speed drive. If the low limit temperature switch is tripped 38.0 deg. F (adj.), the fan shall be commanded off and the outside air damper shall close. All valves shall be commanded open to 100% open (adjust per climate). An alarm shall annunciate at the BAS and manual reset of the low limit temperature switch shall be required to restart the fan.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

Smoke Detector Shutdown:

The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit.

D 1 HV-2
M-508 SCALE: N.T.S.

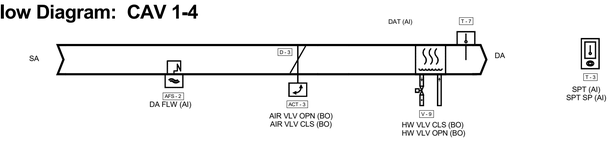
LEGEND KEY

- Duct Temperature
- Air Filter
- Damper Actuator
- Parallel Damper
- 2-Way Cov Valve (we normally closed)
- Differential Pressure
- Heating Coil
- Duct Averaging Temperature
- Motor Starter
- Plenum Fan

Points List: HV-2

Point Name	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SPT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY DIAGNOSTIC	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
COIL LEAVING AIR LOW TEMP CUTOUT ALARM LLT			X										X		
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
DISCHARGE AIR STATIC PRESSURE LOCAL DA SP	X	X								X			X	X	
ENERGY WHEEL SPEED COMMAND EW SPD	X			X											
FILTER STATUS FIL	X		X									X			
HEATING OUTPUT COMMAND HTG	X			X											
HIGH STATIC ALARM HSP ALM	X		X									X	X		
HIGH STATIC ALARM INTERLOCK HSP INTLK								X							
MIXED AIR DAMPER COMMAND MAD	X			X											
MIXED AIR LOW TEMPERATURE CUTOUT ALARM MA LLT			X										X		
MIXED AIR TEMPERATURE LOCAL MAT	X	X									X			X	
OUTDOOR AIR DAMPER COMMAND OAD	X			X											
OUTDOOR AIR FLOW OA FLW	X	X													
OUTDOOR AIR RELATIVE HUMIDITY LOCAL OAH	X	X													
OUTDOOR AIR TEMPERATURE LOCAL OAT	X	X													
REHEAT LEAVING COIL TEMPERATURE LOCAL RH LAT	X	X								X	X			X	
REHEAT OUTPUT COMMAND RHW	X			X											
RELIEF AIR FAN STATUS RLF	X		X												
RETURN AIR DAMPER COMMAND RAD	X			X											
RETURN AIR TEMPERATURE LOCAL RAT	X	X													
RETURN SMOKE DETECTOR INPUT RA SD								X							
SPACE HUMIDITY LOCAL SPH	X								X					X	
SPACE STATIC PRESSURE LOCAL SPP	X	X								X	X				
SUPPLY FAN AIR FLOW LOCAL SF FLW	X	X													
SUPPLY FAN SPEED COMMAND SAF	X			X											
SUPPLY FAN START STOP COMMAND SAF	X				X										
SUPPLY FAN STATUS SAF	X		X												
SUPPLY SMOKE DETECTOR INPUT SA SD								X							
BAS COMMUNICATION STATE BAS COM						X									X
DISCHARGE AIR COOLING SETPOINT DA CL SP						X									
DISCHARGE AIR HEATING SETPOINT DA HT SP						X									
MAINTENANCE REQUIRED MNT REQ						X						X			
MIXED AIR TEMPERATURE LOW LIMIT SETPOINT MA LLT STPT						X									
OCCUPIED HEATING SETPOINT OCC HTG STPT	X					X									
RELIEF AIR FAN FAILURE RLF FAIL	X					X						X			
SUPPLY FAN FAILURE SF FAIL	X					X						X			
UNOCCUPIED HEATING SETPOINT UNOCC HTG STPT	X					X									
LEAVING PREHEAT WATER TEMPERATURE PHW T	X	X													
LEAVING REHEAT WATER TEMPERATURE RHW T	X	X													

Flow Diagram: CAV 1-4



SEQUENCE OF OPERATION: CAV 1 - 4

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NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE STORED UNOCCUPIED HEATING OR COOLING SETPOINT REGARDLESS OF THE PRESENCE OF A HARDWIRED OR COMMUNICATED SETPOINT. WHEN THE SPACE TEMPERATURE DROPS BELOW ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL MODULATE THE AIR DAMPER AND THE HOT WATER VALVE UNTIL THE ZONE TEMPERATURE RISES BACK TO 2.0 DEG. F ABOVE THE UNOCCUPIED HEATING SETPOINT. WHEN THE SPACE TEMPERATURE EXCEEDS THE ACTIVE UNOCCUPIED SETPOINT THE HOT WATER VALVE SHALL THE AIR DAMPER AND HOT WATER VALVE SHALL MODULATE FULLY CLOSED.

OCCUPIED BYPASS:

MODE USED TO TEMPORARILY PLACE THE UNIT INTO THE OCCUPIED OPERATION. TENANTS SHALL BE ABLE TO OVERRIDE THE UNOCCUPIED MODE FROM THE SPACE SENSOR. THE OVERRIDE SHALL LAST FOR A MAXIMUM OF 4 HOURS (ADJ.). THE TENANTS SHALL BE ABLE TO CANCEL THE OVERRIDE FROM THE SPACE SENSOR AT ANY TIME. DURING THE OVERRIDE THE UNIT SHALL OPERATE IN OCCUPIED MODE.

HEAT/COOL SETPOINT:

THE SPACE TEMPERATURE SETPOINT SHALL BE DETERMINED EITHER BY A LOCAL (E.G., THUMBWHEEL) SETPOINT, THE VAV DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE VAV SHALL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE VAV SHALL USE THE COMMUNICATED VALUE.

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WHEN THE UNIT IS IN COOLING MODE, THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. THE VAV SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS SHALL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

BASED ON THE VAV CONTROLLER OCCUPANCY MODE, THE ACTIVE COOLING SETPOINT SHALL BE ONE OF THE FOLLOWING:

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OCCUPIED STANDBY COOLING SETPOINT	78.0 DEG. F
OCCUPIED MIN COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE

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REHEAT SHALL ONLY BE ALLOWED WHEN THE SUPPLY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE VAV SHALL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:

SETPOINT	DEFAULT VALUE
OCCUPIED HEATING SETPOINT	68.0 DEG. F
UNOCCUPIED HEATING SETPOINT	60.0 DEG. F
OCCUPIED STANDBY HEATING SETPOINT	67.0 DEG. F
OCCUPIED MIN HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE

LOCAL REHEAT CONTROL:

REHEAT SHALL ONLY BE ALLOWED WHEN THE PRIMARY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE VAV SHALL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:

SPACE SENSOR FAILURE:

IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE VAV TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE VAV IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE VAV IS IN THE UNOCCUPIED MODE.

D 2 CAV 1-4
M-508 SCALE: N.T.S.

Points List: CAV (1-4)

Point Name	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SPT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY DIAGNOSTIC	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
AIR VALVE DRIVE OPEN COMMAND AIR VLV OPN	X			X											
AIR VALVE DRIVE CLOSE COMMAND AIR VLV CLS	X			X											
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
LOCAL HEAT VALVE COMMAND CLOSE HW VLV CLS	X			X											
LOCAL HEAT VALVE COMMAND OPEN HW VLV OPN	X			X											
SPACE OCCUPANCY INPUT SP OCC	X		X												
SPACE TEMPERATURE LOCAL SPT	X	X													
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X													
SUPPLY AIRFLOW DA FLW	X	X								X	X				
BAS COMMUNICATION STATE BAS COM						X									X
DESIGN HEAT DISCHARGE AIR TEMP SETPOINT DSNG HT DAT SP						X									
MAXIMUM COOLING AIRFLOW SETPOINT MAX CLG FLW SP						X									
MINIMUM COOLING AIRFLOW SETPOINT MIN CLG FLW SP						X									
MAXIMUM HEATING AIRFLOW SETPOINT MAX HTG FLW SP						X									
MINIMUM HEATING AIRFLOW SETPOINT MIN HTG FLW SP						X									
OCCUPIED BYPASS TIMER OCC TMR	X					X									
OCCUPIED COOLING SETPOINT OCC CLG SP	X					X									
OCCUPIED HEATING SETPOINT OCC HTG SP	X					X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP	X					X									
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP	X					X									

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CONSULTANT

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STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-H

DESIGNED BY: SJ/HS

DRAWN BY: SJ

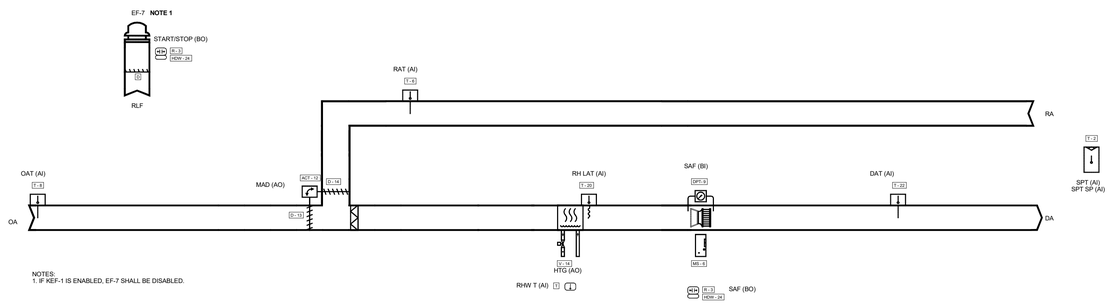
FIELD CHECK: HS

APPROVED: HS

SHEET TITLE: CONTROLS DIAGRAM SHEET NO. 8

DRAWING NUMBER: M-508

Flow Diagram: HV - 1



Sequence of Operation

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up, Occupied/Unoccupied. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously and the mixed air dampers shall open to maintain minimum ventilation requirements. In the heating mode the hot water valve shall modulate to control the active space temperature setpoint. If the space temperature sensor fails, the supply fan shall be disabled, the heating valve should close, the outdoor air should close, and an alarm should annunciate at the BAS.

Unoccupied:

During the unoccupied periods, the supply fan shall be disabled, the outside air damper shall close, the mechanical heating shall be disabled, to conserve energy. the outdoor damper shall modulate if economizing is enabled and remain closed if not economizing, When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, the outdoor damper shall remain closed, and the mechanical heating shall be enabled. When the space temperature is above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, the outdoor damper shall remain closed, and the mechanical heating shall be disabled.

Optimal Start:

The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Occupied Bypass:

The BAS shall monitor the status of the ON and CANCEL buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Heat Mode:

When the space temperature falls below the occupied heating setpoint of 68-deg. F. (adj.) the mode shall transition to heating. If the space temperature sensor fails the mode shall remain in its last state and an alarm shall annunciate at the BAS. If the local and communicated setpoints fail the controller shall disable the supply fan and an alarm shall annunciate at the BAS.

Morning Warm-Up Mode:

During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Supply Fan:

The supply fan shall be off in the unoccupied mode. The supply fan shall be on if the control is heating or cooling in the unoccupied mode. When the controller is in the occupied mode, the supply fan shall operate continuously. If the supply fan fails to prove status for 30 seconds (adj.), the fan shall be commanded off, the outside air damper shall close, all heating shall be disabled, and an alarm shall annunciate at the BAS. A manual reset shall be required to restart the fan.

External Exhaust Fan

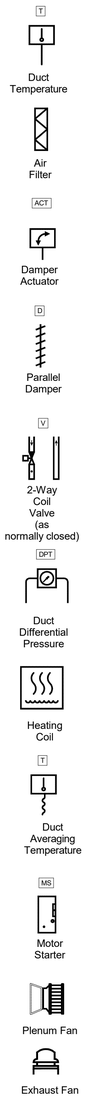
Exhaust Fan to operate at 100% 1440 CFM (ad) when HV-1 is enabled. If KEF-1 is enabled, exhaust fan shall be modulated to work at 400 CFM (adj.)

Mixed Air Low Limit:

The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall annunciate at the BAS and the outside air damper shall return to the minimum position.

D 1 M-509 HV-1 Controls
SCALE: N.T.S.

LEGEND KEY



Points List: HV - 1

Point Name	POINTS									ALARMS				
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
AIR CLEANING ACCESS DOOR INTERLOCK CACS INTLK							X								
AIR CLEANING ACCESS DOOR INTERLOCK UV INTLK							X								
CHANGEOVER COIL LEAVING AIR TEMPERATURE LOCAL H/C LAT	X	X								X	X			X	
COIL LEAVING AIR LOW TEMP CUTOUT ALARM LLT			X										X		
COMPRESSOR 1 COMMAND CMP1	X				X										
COMPRESSOR 2 COMMAND CMP2	X				X										
COMPRESSOR 3 COMMAND CMP3	X				X										
COMPRESSOR 4 COMMAND CMP4	X				X										
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL	X		X									X	X		
COOLING COIL LEAVING TEMPERATURE CC LAT	X	X								X	X			X	
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
ENERGY WHEEL SPEED COMMAND EW SPD	X			X											
EXTERNAL EXHAUST FAN EF					X										
HEATING OUTPUT COMMAND HTG	X			X											
MIXED AIR DAMPER COMMAND MAD	X			X											
OUTDOOR AIR TEMPERATURE LOCAL OAT	X	X													
REHEAT LEAVING COIL TEMPERATURE LOCAL RH LAT	X	X								X	X			X	
REHEAT OUTPUT COMMAND RH	X			X											
RETURN AIR TEMPERATURE LOCAL RAT	X	X													
SPACE TEMPERATURE LOCAL SPT	X	X								X	X			X	
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X													
SUPPLY FAN START STOP COMMAND SAF	X				X										
SUPPLY FAN STATUS SAF	X		X												
BAS COMMUNICATION STATE BAS COM						X									X
MAINTENANCE REQUIRED MNT REQ						X						X			
OCCUPIED HEATING SETPOINT OCC HTG STPT	X					X									
SUPPLY FAN FAILURE SF FAIL	X					X						X			
UNOCCUPIED HEATING SETPOINT UNOCC HTG STPT	X					X									
LEAVING PREHEAT WATER TEMPERATURE PHW T	X	X													
LEAVING REHEAT WATER TEMPERATURE RHW T	X	X													

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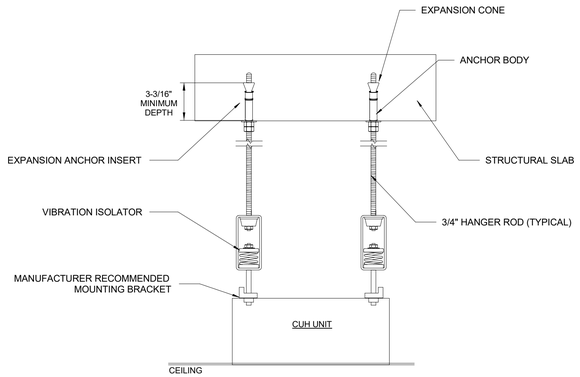
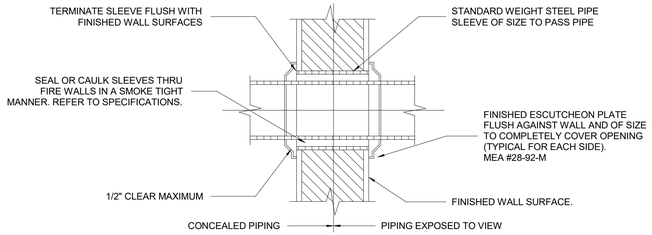
PROJECT NUMBER: 47477-H
DESIGNED BY: SJ/HS
DRAWN BY: SJ
FIELD CHECK: HS
APPROVED: HS

SHEET TITLE:
CONTROLS DIAGRAM
SHEET NO. 9

DRAWING NUMBER:
M-509



D 1 / M-601 CUH SUPPORT DETAIL
SCALE: N.T.S.



SLEEVE AND ESCUTCHEONS:

A. SLEEVES FOR PIPING THROUGH MASONRY WALL SHALL BE SCHEDULE 40, STANDARD GALVANIZED STEEL PIPE; IN FRAMED PARTITIONS SHALL BE 20 GAUGE SHEET METAL. SLEEVE SHALL HAVE A SUFFICIENT LENGTH TO BE FLUSH WITH THE FINISHED WALL SURFACES.

B. EXPOSED PIPING PASSING THROUGH WALLS, FLOORS, OR CEILINGS SHALL BE FITTED WITH CHROMIUM-PLATED CAST BRASS ESCUTCHEONS WITH FASTENING SET SCREWS.

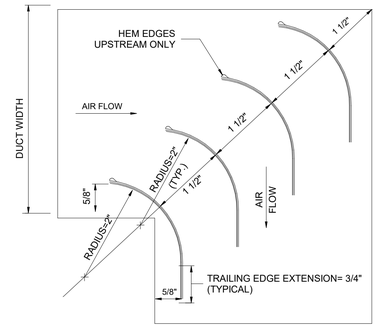
CUTTING AND PATCHING:

A. PIPING PASSING THROUGH WALLS SHALL HAVE A TRIM OPENING CUT NO GREATER THAN NECESSARY FOR THE INSTALLATION OF A SLEEVE SECURED THEREIN.

B. PIPING PASSING THROUGH CONCRETE FLOORS SHALL HAVE AN OPENING CORE DRILLED SO THAT THE SPACE BETWEEN THE OPENING AND THE PIPE SHALL NOT EXCEED 1/2".

C. ANNULAR SPACES BETWEEN PIPING AND SLEEVES OR CORE DRILLED FLOOR OPENINGS SHALL BE PACKED WITH MINERAL WOOL AND SEALED, TO RETAIN THE FIRE INTEGRITY OF THE WALLS AND FLOORS, WITH NON-HARDENING COMPOUND SIMILAR OR EQUAL TO DUXSEAL AS MANUFACTURED BY THE J.M. CLIPPER CORP.

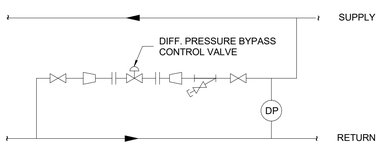
D 2 / M-601 DETAIL OF PIPE PENETRATION THRU RATED WALL SHOWN (SLAB PENETRATION)
SCALE: N.T.S.



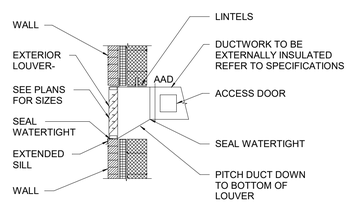
NOTES:

1. ALL TURNING VANES TO BE MADE OF 18 GAUGE GALV. SHEET METAL, 2" RADIUS, 1 1/2" SPACING ON DIAGONAL, 3/4" TRAILING EDGE, SINGLE THICKNESS, FOR DUCT VELOCITIES ABOVE 2000 FPM.
2. EDGES OF VANES SHALL BE CLEANLY SHEARED WITH NO BURRS, ETC.
3. VANES SHALL BE SECURELY WELDED TO RUNNERS, AND WELD RUNNERS TO DUCT SIDES, AS SHOWN FOR IN SMACNA MANUAL.

D 3 / M-601 ELBOW WITH TURNING VANES
SCALE: N.T.S.

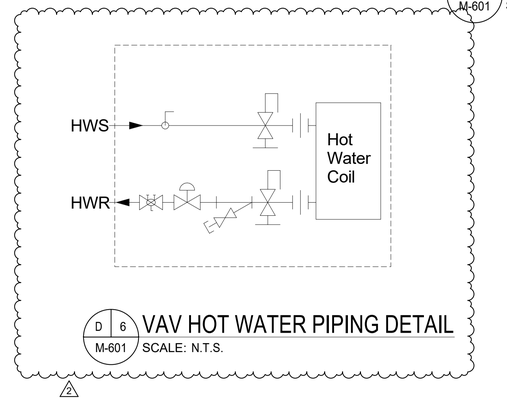


D 4 / M-601 DIFFERNETIAL PRESSURE BYPASS CONTROL VALVE DETAIL
SCALE: N.T.S.

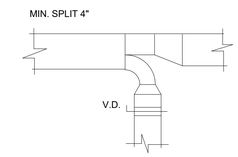


GENERAL NOTE:
H-CONTRACTOR TO COORDINATE WITH C-CONTRACTOR, C-CONTRACTOR TO PROVIDE LOUVER AND H-CONTRACTOR TO PROVIDE PLENUM BOX BEHIND.

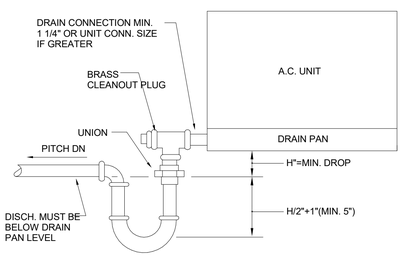
D 5 / M-601 EXTERIOR LOUVER DETAIL
SCALE: N.T.S.



D 6 / M-601 VAV HOT WATER PIPING DETAIL
SCALE: N.T.S.



D 7 / M-601 DUCT SPLIT FOR BRANCHES
SCALE: N.T.S.

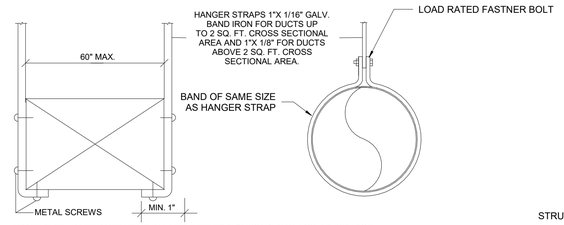


H = NEGATIVE INTERNAL STATIC + 1" PRESS. AT FAN INLET (INCH W.C.)

CONDENSATE PIPE CHART.

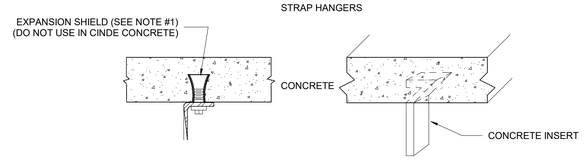
PIPE SIZE	UNIT CAPACITY	PIPE SIZE	UNIT CAPACITY
1 1/4"	6 TO 20 TONS	2"	51 TO 100 TONS
1"	UP TO 5 TONS	1 1/2"	21 TO 50 TONS

D 8 / M-601 CONDENSATE DRAIN PIPING THRU UNIT
SCALE: N.T.S.



SPACING OF HANGER STRAPS SHALL NOT EXCEED 8'-0" FOR DUCTS 4 SQ. FT. OR LESS, 6'-0" FOR DUCTS 4 SQ. FT. TO 10 SQ. FT. AND 4'-0" FOR DUCTS OVER 10 SQ. FT. OF CROSS SECTIONAL AREA.

STRAP HANGERS

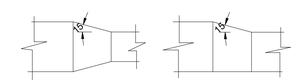


DUCT HANGERS UPPER ATTACHMENTS

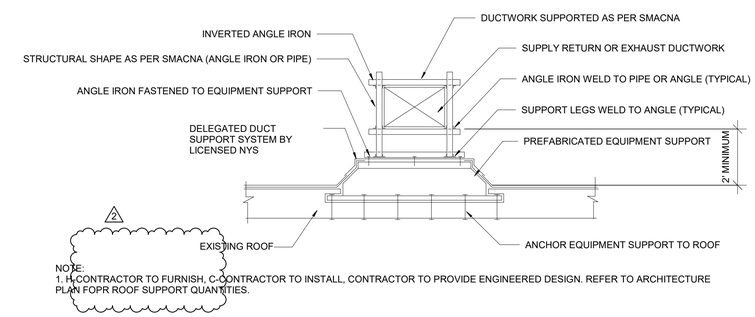
NOTE:

1. FOR N.Y.S. USE BS & A OR MEA APPROVED INSERTS.

D 9 / M-601 DUCTWORK SUPPORT DETAIL
SCALE: N.T.S.



D 10 / M-601 TRANSITIONS
SCALE: N.T.S.



NOTE:
1. H-CONTRACTOR TO FURNISH, C-CONTRACTOR TO INSTALL, CONTRACTOR TO PROVIDE ENGINEERED DESIGN. REFER TO ARCHITECTURE PLAN FOPR ROOF SUPPORT QUANTITIES.

D 11 / M-601 DUCT SUPPORT DETAIL ON ROOF
SCALE: N.T.S.

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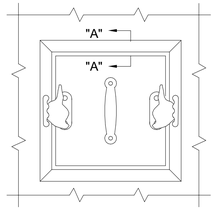
	11/24/2025	PERMIT SET

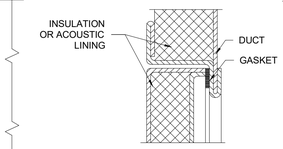
PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE: HVAC STANDARD DETAILS SHEET NO. 1

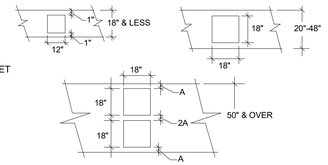
DRAWING NUMBER: M-601



ACCESS PANEL



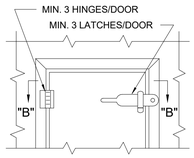
SECTION "A"-"A"



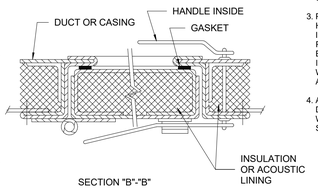
NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS
3. PROVIDE ACCESS DOORS ON AIR HANDLING UNITS AND DUCT WORK INSTALLED IN EQUIPMENT ROOMS. PROVIDE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.
4. ACCESS DOOR INSTALLED IN THE DUCT EXPOSED TO WEATHER TO BE WEATHERPROOF. ALL HARDWARE SHALL BE STAINLESS STEEL.

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY



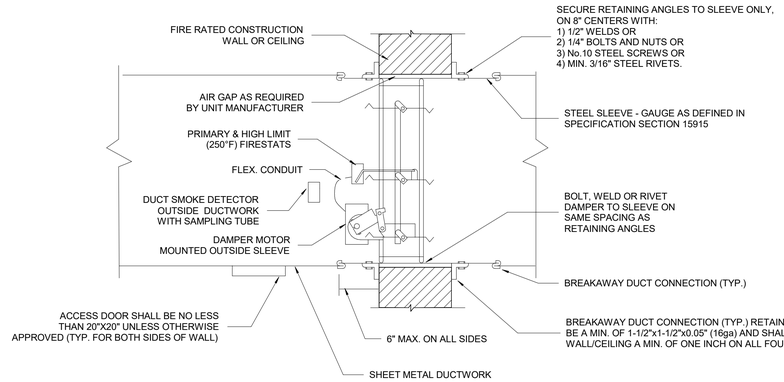
ACCESS DOOR



SECTION "B"-"B"

D 1 / M-602 ACCESS DOOR & PANEL DETAILS

SCALE: N.T.S.

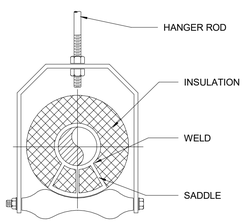


NOTES:

1. DAMPER MOTOR SHALL BE OUTSIDE OF AIR STREAM.
2. THIS DETAIL INDICATES SCOPE OF WORK ONLY. CONTRACTOR SHALL PROVIDE DUCT PENETRATIONS, INCLUDING CLEARANCES, CONSISTENT WITH UL LISTING OF THE DAMPERS.
3. MAXIMUM DISTANCE BETWEEN SMOKE DETECTORS IS 36" AND BETWEEN SMOKE DETECTOR AND WALL IS 18".

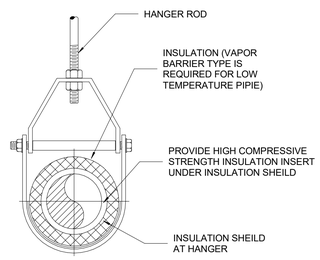
D 2 / M-602 COMBINATION FIRE AND SMOKE DAMPER DETAIL

SCALE: N.T.S.



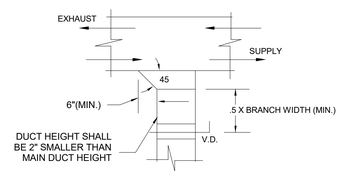
D 3 / M-602 ADJUSTABLE ROLLER HANGER DETAIL

SCALE: N.T.S.



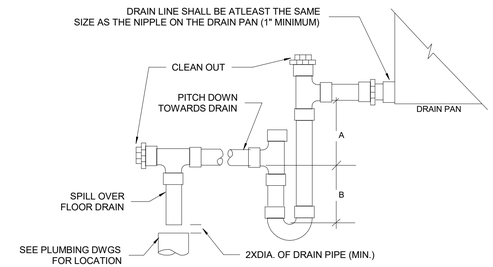
D 4 / M-602 ADJUSTABLE CLEVIS HANGER DETAIL

SCALE: N.T.S.



D 5 / M-602 BRANCH DUCT WITH HEEL

SCALE: N.T.S.

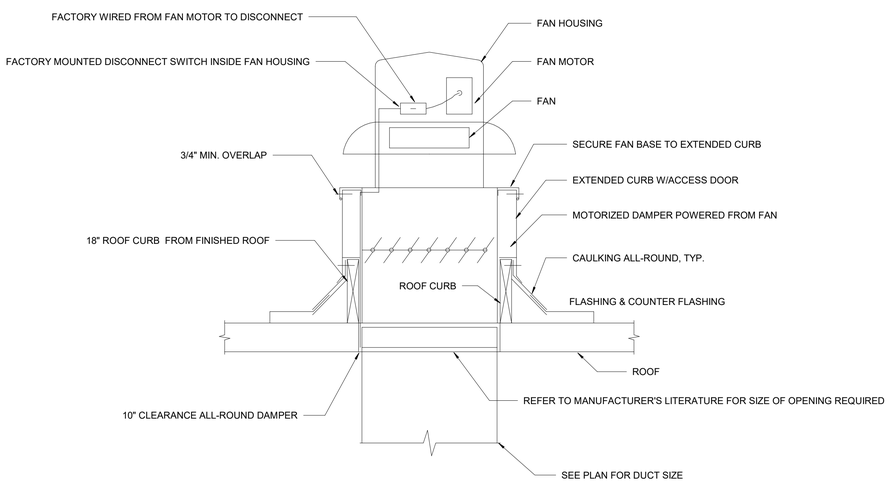


UNIT TYPE	A	B
DRAW THRU	X"	1.5X"
BLOW THRU	1"MIN	2X"

Where X=Static pressure in pan

D 6 / M-602 AIR HANDLING UNIT DRAIN TRAP DETAIL

SCALE: N.T.S.

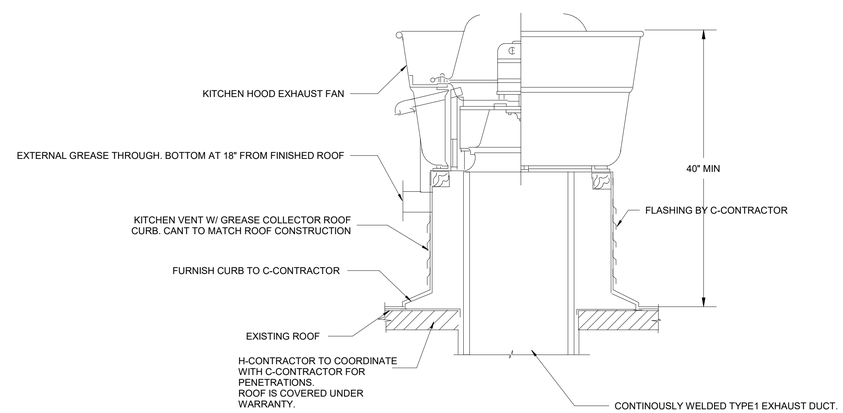


NOTE:

1. ALL ROOF MOUNTED FANS SHALL BE PROVIDED WITH INTERNAL VIBRATION ISOLATION.
2. H-CONTRACTOR TO COORDINATE WITH C-CONTRACTOR FOR PROVIDING REQUIRED OPENING AND FLASHING INSTALLATION.

D 7 / M-602 ROOF-TOP CENTRIFUGAL EXHAUST FAN

SCALE: N.T.S.



D 8 / M-602 KITCHEN HOOD EXHAUST FAN DETAIL

SCALE: N.T.S.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: HVAC

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

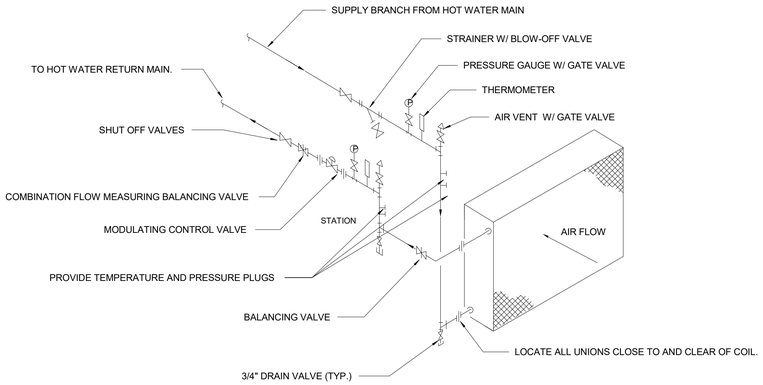
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

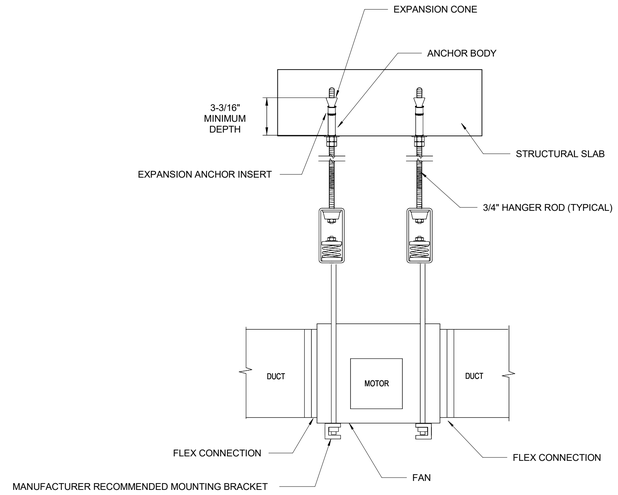
SHEET TITLE:

HVAC STANDARD DETAILS SHEET NO. 2

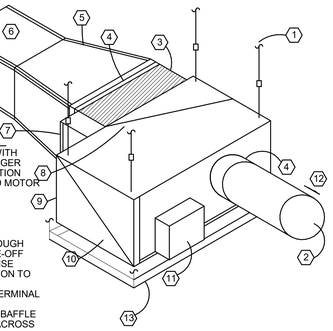
DRAWING NUMBER: M-602



D 1 / M-603 HEATING COIL CONNECTION DETAIL
SCALE: N.T.S.



D 2 / M-603 INLINE FAN INSTALLATION DETAIL
SCALE: N.T.S.



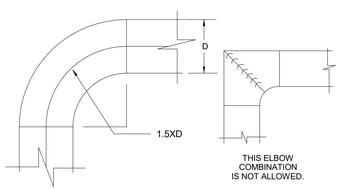
1 KEYED NOTES:

1. SUSPEND FROM STRUCTURE WITH GALVANIZED THREADED HANGER RODS. RODS TO HAVE VIBRATION ISOLATORS UNLESS FAN AND MOTOR ARE INTERNALLY ISOLATED
2. INSULATED INLET DUCT WITH MAXIMUM LENGTH OF 24"
3. HOT WATER COIL
4. FLEXIBLE DUCT CONNECTION
5. ACOUSTICAL DUCT LINER THROUGH FIRST ELBOW OR FIRST TAKE-OFF UNLESS SPECIFIED OTHERWISE
6. SPACE SUPPLY DUCT-TRANSITION TO SIZE SHOWN ON PLAN
7. ELECTRIC COIL SIDE HINGED TERMINAL BOX
8. INTERNAL TURNING VANES OR BAFFLE TO ASSURE EVEN AIRFLOW ACROSS HEATING COIL
9. FILTER FRAME
10. PLENUM AIR INLET
11. CONTROL BOX. PROVIDE 36" CLEARANCE TO SIDE. PROVIDE ACCESS PANEL IF ABOVE INACCESSIBLE CEILING
12. SHEET METAL DUCT INTO VAV BOX. MINIMUM LENGTH OF 3 TIMES INLET DUCT DIAMETER
13. PROVIDE SECONDARY DRAIN PAN WITH LEAK DETECTION.

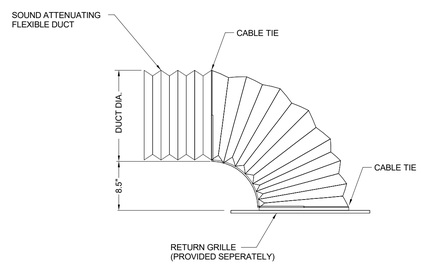
GENERAL NOTES:

A. OMIT FLEX DUCT ON DISTRIBUTION SYSTEMS THAT PENETRATE 1-HR FIRE BARRIERS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE BARRIERS.

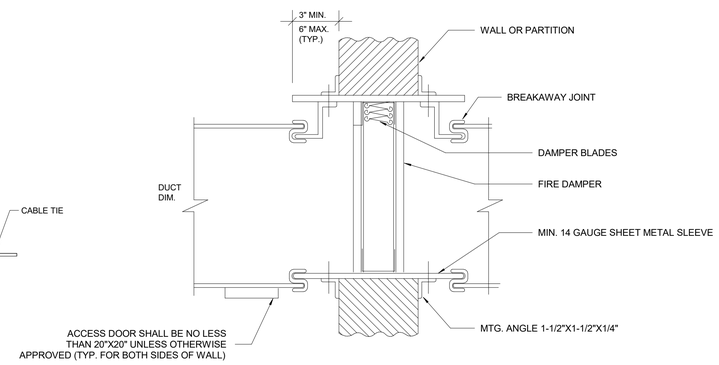
D 3 / M-603 VAV/FAN COIL UNIT MOUNTING DETAIL
SCALE: N.T.S.



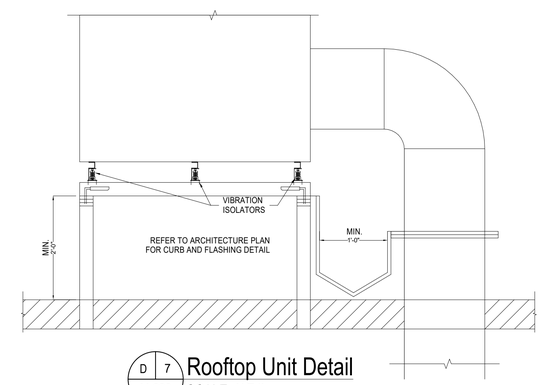
D 4 / M-603 FULL RADIUS ELBOW
SCALE: N.T.S.



D 5 / M-603 FLEXABOOT DETAIL
SCALE: N.T.S.

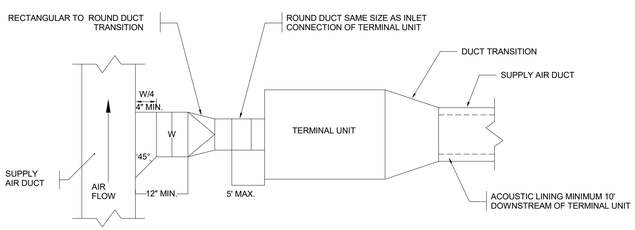


D 6 / M-603 FIRE DAMPER INSTALLATION DETAIL
SCALE: N.T.S.

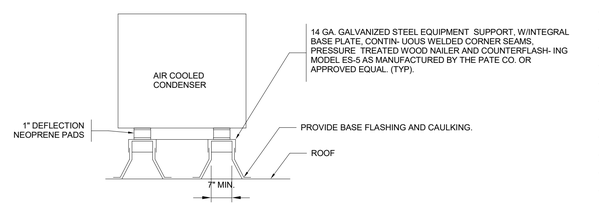


D 7 / M-603 Rooftop Unit Detail
SCALE: N.T.S.

2



D 8 / M-603 VAV TERMINAL UNIT CONNECTION DETAIL
SCALE: N.T.S.



D 9 / M-603 AIR COOLED CONDENSER UNIT DETAIL
SCALE: N.T.S.

2

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PROJECT NUMBER:	47477-H
DESIGNED BY:	SJ/HS
DRAWN BY:	SJ
FIELD CHECK:	HS
APPROVED:	HS

SHEET TITLE:

HVAC STANDARD DETAILS SHEET NO. 3

DRAWING NUMBER: M-603

ABBREVIATIONS

A	AMPERES
AC	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AV	ACID VENT
AW	ACID WASTE
BFP	BACKFLOW PREVENTER
CA	COMPRESSED AIR
CAF	COMPRESSED AIR FILTER
CC	COOLING COIL
CDA	CLEAN DRY AIR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CO	CLEAN OUT
COND.	CONDENSATE
DB	DRY BULB
DIA	DIAMETER
DIWS	DISTILLED WATER SUPPLY
DIWR	DISTILLED WATER RETURN
DN	DOWN
DT	DRIP AND TRAP
DWG	DRAWING
DFU	DRAINAGE FIXTURE UNITS
ENT	ENTERING
EQUIP	EQUIPMENT
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
°F	DEGREES FAHRENHEIT
F	FILTER
FIN	FINISHED
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FC	FLEXIBLE CONNECTION
FLR	FLOOR
FPM	FEET PER MINUTE
FT	FEET
GA	GAUGE
GAL	GALLON
GPM	GALLONS PER MINUTE
HES	HELIUM SUPPLY
HER	HELIUM RETURN
HR	HOUR
HP	HORSE POWER
HT	HEIGHT
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ
IN	INCHES
JB	JUNCTION BOX
JS	JANITOR'S SINK
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MHP	MOTOR HORSE POWER
MIN	MINIMUM
MISC	MISCELLANEOUS
NC	NORMALLY CLOSED
No.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OPNG	OPENING
P	PUMP
PCWS	PROCESS CHILLED WATER SUPPLY
PCWR	PROCESS CHILLED WATER RETURN
PD	PUMP DISCHARGE
PH	PHASE
PNEU	PNEUMATIC
PRESS	PRESSURE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PRESSURE TRANSMITTER
PV	PLUG VALVE
QUAN	QUANTITY
REL	RELIEF
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RD	ROOF DRAIN
SK	SINK
SP	STATIC PRESSURE
SS	STAINLESS STEEL
STD	STANDARD
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
TMV-1	THERMOSTATIC MIXING VALVE SCHEDULE
UON	UNLESS OTHERWISE NOTED
UN2	UTILITY NITROGEN
UG	UNDER GROUND
V	VENT
VA	VALVE
VAC	VACUUM
VB	VACUUM BREAKER
VEL	VELOCITY
VTR	VENT THRU ROOF
W	WIDTH
W/	WITH
WB	WET BULB
W/O	WITHOUT
WPD	WATER PRESSURE DROP
WFU	WATER SUPPLY FIXTURE UNITS

SYMBOLS

SANITARY OR WASTE ; SAN/W
VENT ; V
COLD WATER ; CW
HOT WATER (120 F) ; HW
HOT WATER RETURN (105° F) ; HWR
GAS ; G
PUMP DISCHARGE; PD
NEW WORK
EXISTING WORK
EXISTING TO BE REMOVED
DISCONNECTION
NEW CONNECTION TO EXISTING
FLOW-IN DIRECTION OF ARROW
OS & Y GATE VALVE
GATE VALVE
CHECK VALVE
GAS COCK
GATE VALVE & DRAIN BIBB
BALL VALVE
PLUG VALVE
HOSE BIBB; HB
BALANCING VALVE ; BV
PRESSURE RELIEF VALVE ; PRV
THERMOSTATIC MIXING VALVE
PRESSURE REGULATOR
CLEAN OUT ;CO
CAP OR PLUG
STRAINER
REDUCER/INCREASER
CLEAN OUT DECK PLATE ; C.O.D.P.
UNION
EMERGENCY GAS SHUT OFF VALVE
AQUASTAT
THERMOMETER
PRESSURE GAUGE WITH GAUGE COCK
PUMP
PIPE SLEEVE
FLOOR DRAIN ; FD
MASTER GAS CONTROL VALVE ;MGCV

REFERENCE SYMBOLS

INDICATES EQUIPMENT
INDICATES EQUIPMENT NUMBER
INDICATES SECTION NUMBER
INDICATES DRAWING NUMBER
INDICATES DETAIL NUMBER
INDICATES DRAWING NUMBER
SHEET NOTE NUMBER
PIPE CONTINUATION
REVISION NUMBER

NOTE:

ALL ABBREVIATIONS AND SYMBOLS MAY NOT APPEAR ON THE DRAWINGS FOR THIS PROJECT.

BUILDING DEPARTMENT NOTES:

ALL PLUMBING WORK SHALL MEET THE REQUIREMENTS OF THE PLUMBING CODE OF NEW YORK STATE (PC-NYS), 2020 EDITION.

1. ALL PLUMBING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH PC-NYS SECTION 308 AND TABLE 308.5.
2. ALL TESTS AND INSPECTIONS SHALL BE MADE AS DIRECTED IN PC-NYS SECTION 312.
3. MATERIALS, DESIGN AND INSTALLATION OF PLUMBING FIXTURES, FAUCETS AND FIXTURE FITTINGS SHALL BE IN ACCORDANCE WITH PC-NYS CHAPTER 4.
4. ACCESSIBLE PLUMBING FACILITIES AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH PC-NYS SECTION 404.
5. MATERIALS, DESIGN AND INSTALLATION OF WATER SUPPLY SYSTEMS SHALL BE AS OUTLINED IN PC-NYS CHAPTER 6.
6. WATER DISTRIBUTION PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN PC-NYS TABLE 605.4.
7. WATER PIPE FITTINGS SHALL CONFORM TO THE RESPECTIVE PIPE STANDARDS OR ONE OF THE STANDARDS LISTED IN PC-NYS TABLE 605.5.
8. HOT WATER SUPPLY SYSTEMS SHALL COMPLY WITH PC-NYS SECTION 607.
9. PROTECTION OF POTABLE WATER SUPPLY SHALL BE IN ACCORDANCE WITH PC-NYS SECTION 608.
10. MATERIALS, DESIGN, CONSTRUCTION AND INSTALLATION OF SANITARY DRAINAGE SYSTEMS SHALL BE AS OUTLINED IN PC-NYS CHAPTER 7.
11. SANITARY DRAINAGE AND VENT PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLES 702.1, AND 702.2. BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 702.3. PIPE FITTINGS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 702.4.
12. THE MINIMUM SLOPE OF A HORIZONTAL DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH TABLE 704.1.
13. CLEANOUTS SHALL BE SIZED, LOCATED AND INSTALLED AS SET FORTH IN PC-NYS SECTION 708.
14. DRAINAGE FIXTURE UNIT VALUES SHALL BE AS SET FORTH IN TABLE 709.1.
15. DRAINAGE SYSTEM SIZING IN ACCORDANCE WITH PC-NYS SECTION 710.
16. MATERIALS, DESIGN, CONSTRUCTION AND INSTALLATION OF VENT SYSTEMS SHALL BE IN ACCORDANCE WITH PC-NYS CHAPTER 9.
17. VENT PIPE SIZING IN ACCORDANCE WITH PC-NYS SECTION 906 AND TABLE 906.1
18. TRAP REQUIREMENTS AS SET FORTH IN PC-NYS SECTION 1002.

DIRECTOR'S REPRESENTATIVE'S SAFETY NOTES:

1. CONSTRUCTION WORK WILL BE CONFINED TO THE ITEMS AS INDICATED IN THE DRAWING.
2. CONSTRUCTION OPERATION SHALL COMPLY WITH APPLICABLE PROVISIONS OF LAW RELATING TO LEAD AND ASBESTOS.
3. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN CONFORMANCE WITH THE NYS BC CHAPTER 33 "SAFEGUARDS DURING CONSTRUCTION".
4. THE P-CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO ENSURE ALL BURNING/ WELDING OPERATIONS AND SMOKE GENERATED FROM THESE OPERATIONS DO NOT INTERFERE WITH CONSTRUCTION.
5. ALL WELDING. BURNING WORK SHALL BE PROPERLY VENTILATED AND PURGED.

PLUMBING SHOP DRAWING NOTE:

THE P-CONTRACTOR SHALL SUBMIT COORDINATED SHOP DRAWINGS OF ALL PLUMBING PIPING FOR REVIEW, THIS SHALL BE DONE BEFORE THE INSTALLATION OF ANY PIPING OR EQUIPMENT. THE SHOP DRAWING SHALL INCLUDE PIPE ROUTING, SIZES, SLOPE INVERT ELEVATIONS, ELEVATIONS, SLEEVES LOCATIONS AND SIZES. THE DRAWINGS SHALL CONTAIN ALL THE INFORMATION NECESSARY FOR THE PROPER INSTALLATION OF THE JOB. THE SHOP DRAWINGS SHALL BE COORDINATED WITH OTHER TRADES AND OR EXISTING PIPING OR EQUIPMENT THAT MIGHT AFFECT THE INSTALLATION. THE DRAWING SHALL BE SUBMITTED AT A MINIMUM 3/8" SCALE OR AT SCALE THAT IS EASILY LEGIBLE. THE DESIGN DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO BE USED AS A SHOP DRAWING THEREFORE A COPY OF THE DESIGN DRAWING IS NOT ACCEPTABLE AS A SHOP DRAWING.

PERMITS AND CERTIFICATES

OBTAIN ALL NECESSARY NOTICES, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENTS OR AUTHORITIES ASSERTING OR HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THE WORK.

ARRANGE FOR INSPECTIONS AND TESTS OF ANY OR PART OF THE WORK IF SO REQUIRED BY AUTHORITIES OR LOCAL UTILITY OR SERVICE COMPANIES HAVING JURISDICTION, AND PAY ALL CHARGES INCURRED. NOTIFY DIRECTOR'S REPRESENTATIVE AND ENGINEER 72 HOURS IN ADVANCE OF ALL INSPECTIONS.

GAS PIPING NOTES:

A. UPON COMPLETION OF INSTALLATION OF A SECTION OF A GAS SYSTEM OR OF THE ENTIRE GAS SYSTEM, AND BEFORE THE APPLIANCES ARE CONNECTED THERETO, THE ENTIRE GAS SYSTEM SHALL BE VERIFIED AS TO MATERIALS, AND TESTED AND PROVEN TIGHT BY THE CONTRACTOR, AS FOLLOWS:

1. GAS DISTRIBUTION PIPING
   a. DISTRIBUTION PRESSURES UP TO 1/2 PSIG. THE COMPLETED PIPING IS TO BE TESTED AT 3 PSIG FOR A MINIMUM OF HALF HOUR.
   b. DISTRIBUTION PRESSURES OVER 1/2 PSIG THROUGH 3 PSIG. THE COMPLETED PIPING IS TO BE TESTED AT 50 PSIG FOR A MINIMUM OF HALF HOUR.
2. GAS CONTROL, VENT AND RELIEF PIPING
   a. THE COMPLETED PIPING IS TO BE TESTED AT 3 PSIG FOR A MINIMUM OF HALF HOUR.
   b. ALL COATED OR WRAPPED PIPE SHALL BE PRESSURE TESTED AT A MINIMUM OF 90 PSIG.
   c. PURGE ALL PIPING AFTER PRESSURE TEST.
   d. PURGE ALL EQUIPMENT AFTER PIPING HAS BEEN PURGED.
   e. WHEN NEW PIPING IS CONNECTED TO EXISTING GAS PIPING, THE CONTRACTOR SHALL INSPECT EXISTING GAS PIPING CONNECTING TO THE NEW PIPING UP TO THE FIRST EXISTING GAS SHUT-OFF VALVE ON THE LINE WITH 200 PSI LOAD.

GENERAL NOTES:

1. ALL HOT WATER CIRCULATION, HOT AND COLD WATER PIPING ARE AT CEILING OR IN HUNG CEILING
2. ACCESS SHALL BE PROVIDED FOR ALL CLEANOUTS, VALVES, AND ANY OTHER EQUIPMENT OR ACCESSORIES THAT MAY REQUIRE ACCESS FOR MAINTENANCE, OR OPERATION WHICH ARE LOCATED BEHIND WALLS AND PARTITIONS OR CONCEALED IN HUNG CEILING.
3. CHECK AND VERIFY THE EXACT LOCATION OF ALL PIPE PENETRATIONS AND MAKE CERTAIN THERE ARE NO OBSTRUCTIONS AND INTERFERENCES.
4. REFER TO AND COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS, INCLUDING WORK FOR ALL UNDERGROUND PIPE SUPPORT AND OTHER RELEVANT DETAILS.
5. COORDINATE ALL UNDER SLAB PIPE LAYOUT WITH FOUNDATION PLAN.
6. REFER TO AND COORDINATE WITH ELECTRICAL DRAWING AND WORK ENSURING NO PIPE IS RUN DIRECTLY ABOVE NOR WITHIN THREE FEET OF ELECTRICAL PANELS.
7. UNDERGROUND PIPING REQUIREMENTS FOR PROTECTING THE PIPES, TRENCHING, BACK FILLING AND UNIFORM SOIL BEARING ALONG THE LENGTH OF THE PIPE SHALL BE AS PER 2020 NYS PLUMBING CODE
8. ALL PIPES PENETRATED THROUGH WALLS AND FLOORS SHALL BE PROVIDED WITH REQUIRED OPENINGS, SLEEVES, SEALS AND PACKING. COORDINATE WITH C-CONTRACTOR FOR SEALS AND PACKING OF PENETRATIONS.
10. VERIFY WITH DIRECTOR'S REPRESENTATIVE EQUIPMENT TO BE SALVAGED PRIOR TO REMOVALS WHERE APPLICABLE. STORE AND/ OR REINSTALL AS DIRECTED BY DIRECTOR'S REPRESENTATIVE.
11. P-CONTRACTOR TO REFER TO H-TRADE SPEC SECTION 231123 FOR MORE INFORMATION RELATED TO GAS PIPING SCOPE.
12. COORDINATE LAYOUTS WITH THE EXISTING BUILDING CONDITIONS AND OTHER TRADES. REFER TO SHEET G-104 FOR ADDITIONAL INFORMATION.
13. REFER TO C-CONTRACTOR FOR FIRESTOPPING SCOPE OF WORK.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING SYMBOLS, ABBREVIATIONS, AND NOTES

DRAWING NUMBER: P-001

PLUMBING FIXTURE SCHEDULE

TAG	PLUMBING FIXTURE	CONNECTION SIZE - INCHES							MOUNTING HEIGHT RIM A.F.F.	FIXTURE	FAUCET/FLUSH VALVE/TRAP PRIMER	REMARKS
		TRAP	SOIL/ WASTE	VENT	COLD WATER	COLD WATER FLUSH VALVE	HOT WATER	THERMO STATIC MIXING VALVE		BASIS OF DESIGN	BASIS OF DESIGN	
SK-1	EXAM ROOM SINK	2"	2"	2"	1/2"	-	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	Elkay ECTSR25229TBG	Elkay LK535AT08L2	1, 2
DF-1	DRINKING FOUNTAIN	2"	2"	2"	1/2"	-	-	-		Elkay LZSTL8WSLK	-	1
WC-1	WATER CLOSET FLUSHOMETER TYPE	4"	4"	2"	-	1"	-	-		ZURN Z5615-BWL	ZURN Z6000AV-HET	1
WC-1A	WATER CLOSET FLUSHOMETER TYPE ADA	4"	4"	2"	-	1"	-	-				1
UR-1	URINAL	2"	2"	2"	-	3/4"	-	-		ZURN Z5730	ZURN Z6003AV-EWS	1
UR-1A	URINAL ADA	2"	2"	2"	-	3/4"	-	-				1
LAV-1	LAVATORY	2"	2"	2"	1/2"	-	1/2"	1/2"		ZURN Z5220-PC	ZURN AQUASPEC Z81104-XL-28M-G	1, 2
LAV-1A	LAVATORY ADA	2"	2"	2"	1/2"	-	1/2"	1/2"				1, 2
WH-1	WALL HYDRANT	-	-	-	3/4"	-	3/4"	-		-	ZURN Z1344	1
SH-1	SHOWER	2"	2"	2"	1/2"	-	1/2"	1/2"		KOHLER ARCHER K-9396	KOHLER CASTIA K-TS35916-4G	1, 3
SH-1A	SHOWER ADA	2"	2"	2"	1/2"	-	1/2"	1/2"		KOHLER STONERIDGE K-44164	KOHLER AWAKEN K-26914-G-CP	1, 3
JS-1	JANITOR SINK	3"	3"	2"	3/4"	-	3/4"	3/4"		ZURN Z5850-D3	ZURN Z843M1-5H	1
FD-1	FLOOR DRAIN	3"	3"	2"	-	-	-	-		ZURN Z415B	ZURN Z-SHIELD	1

REMARKS:
1. PROVIDE ALL ACESSORIES FOR COMPLETE INSTALLATION.
2. PROVIDE THERMOSTATIC MIXING VALVE TMV-2.
3. PROVIDE THERMOSTATIC MIXING VALVE TMV-3.
4. PROVIDE ZURN Z1201-ND AND Z1201 WATER CLOSET CARRIERS AS NEEDED.
5. PROVIDE ZURN Z1222 URINAL CARRIER.
6. PROVIDE A 48" DOUBLE INTEGRAL BOWL QUARTZ SINK

EXPANSION TANK SCHEDULE

TAG	MODEL	BASIS OF DESIGN	LOCATION	SERVING	SIZE		TANK VOLUME (GAL.)	ACCEPTANCE VOLUME (GAL.)	PRESSURE		CONSTRUCTION	TANK MATERIAL	ORIENTATION	REMARKS
					DIA (IN)	LENGTH (IN)			FILL (PSI)	MAX (PSI)				
ET-1	PTA-30V	BELL & GOSSETT	MECHANICAL 1	HWH-EX.	16	25	15	10	13	80	ASME	CARBON STEEL	VERTICAL	1

REMARKS:
1. PROVIDE ASME RATED TANKS

ELEVATOR SUMP PUMP SCHEDULE

GENERAL							PERFORMANCE		MOTOR DATA				
TAG	QTY	SERVICE	LOCATION	MANUFACTURER	TYPE	MODEL	FLOW (GPM)	HEAD (FT.HD)	MOTOR (HP)	SPEED (RPM)	POWER (V/PH/HZ)	WORKING PRESSURE (PSIG)	WEIGHT (LBS)
SP-1	1	ELEVATOR SUMP	ELEVATOR PIT	WILO	SUMP KIT	2545	50	25	1.5	1750	460/3/60	-	-

BACK FLOW PREVENTOR SCHEDULE

TAG	MODEL	BASIS OF DESIGN	LOCATION	SIZE	SERVICE	TYPE	REMARKS
BFP-1	375	ZURN	MECHANICAL 1	3"	DOMESTIC WATER	RPZ	1

REMARKS:
1. PROVIDE LEAD FREE ASSEMBLY.

MIXING VALVE SCHEDULE

TAG	MODEL	BASIS OF DESIGN	LOCATION	SERVING	TEMPERATURE		TYPE	REMARKS
					INLET	SET POINT		
TMV-1	LV-985-SW-LF	LEONARD	MECHANICAL 1	HWH-EX.	140 °F	120 °F	THERMOSTATIC	1,4
TMV-2	270-LF	LEONARD	POINT OF USE	-	120 °F	90 °F	THERMOSTATIC	1,2
TMV-3	K-8304-K-NA	KOHLER	POINT OF USE	-	120 °F	110 °F	THERMOSTATIC	1,3
TMV-4	270-LF	LEONARD	POINT OF USE	-	140 °F	90 °F	THERMOSTATIC	1,2

REMARKS:
1. PROVIDE TRAINING TO OWNER'S MAINTENANCE STAFF.
2. PROVIDE ASSE 1070 RATED MIXING VALVE.
3. PROVIDE ASSE 1016 RATED MIXING VALVE.
4. PROVIDE ASSE 1017 RATED MIXING VALVE.

ROOF DRAIN SCHEDULE

TAG	TYPE	SIZE	PROJECTED ROOF AREA (SQFT)	MODEL	REMARKS
RD-1	Primary	3"	561	JR SMITH 1010-CID	1, 2
ORD-1	Secondary	3"	561	JR SMITH 1010-CID	1, 3

REMARKS:
1. ALL PLUMBING FIXTURES AND ACCESSORIES TO BE PROVIDED AS SCHEDULED OR AS APPROVED EQUAL
2. PROVIDE AND INSTALL CAST IRON STRAINER DOME
3. PROVIDE AND INSTALL 2" DAM INCLUDING CAST IRON STRAINER DOME

WATER HAMMER ARRESTOR SCHEDULE

TAG	MODEL	BASIS OF DESIGN	LOCATION	TYPE	SIZE	SERVING	BODY MATERIAL	PISTON MATERIAL	REMARKS
WHA-1	LF15M2	WATTS	AS PER DRAWINGS	PISTON	1/2" NPT	DOMESTIC HW, CW	COPPER	POLYPROPYLENE	1

REMARKS:
1. PROVIDE LEAD FREE BRASS/COPPER BODY.

PUMP SCHEDULE (BASED ON BELL & GOSSETT)

GENERAL					PERFORMANCE		MOTOR DATA					
TAG	SERVICE	LOCATION	TYPE	MODEL	FLOW (GPM)	HEAD (FT.HD)	MOTOR (HP)	SPEED (RPM)	POWER (V/PH/HZ)	WORKING PRESSURE (PSIG)	WEIGHT (LBS)	NOTES
CP-2	EX. DWH	MECHANICAL 1	INLINE	PL-36B	2	10	1/6	3300	115/1/60	150	13	1

REMARKS
1. Alternate manufacturer must meet or exceed scheduled efficiencies; and with motors at or below the scheduled horsepower

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07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

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YONKERS, NY

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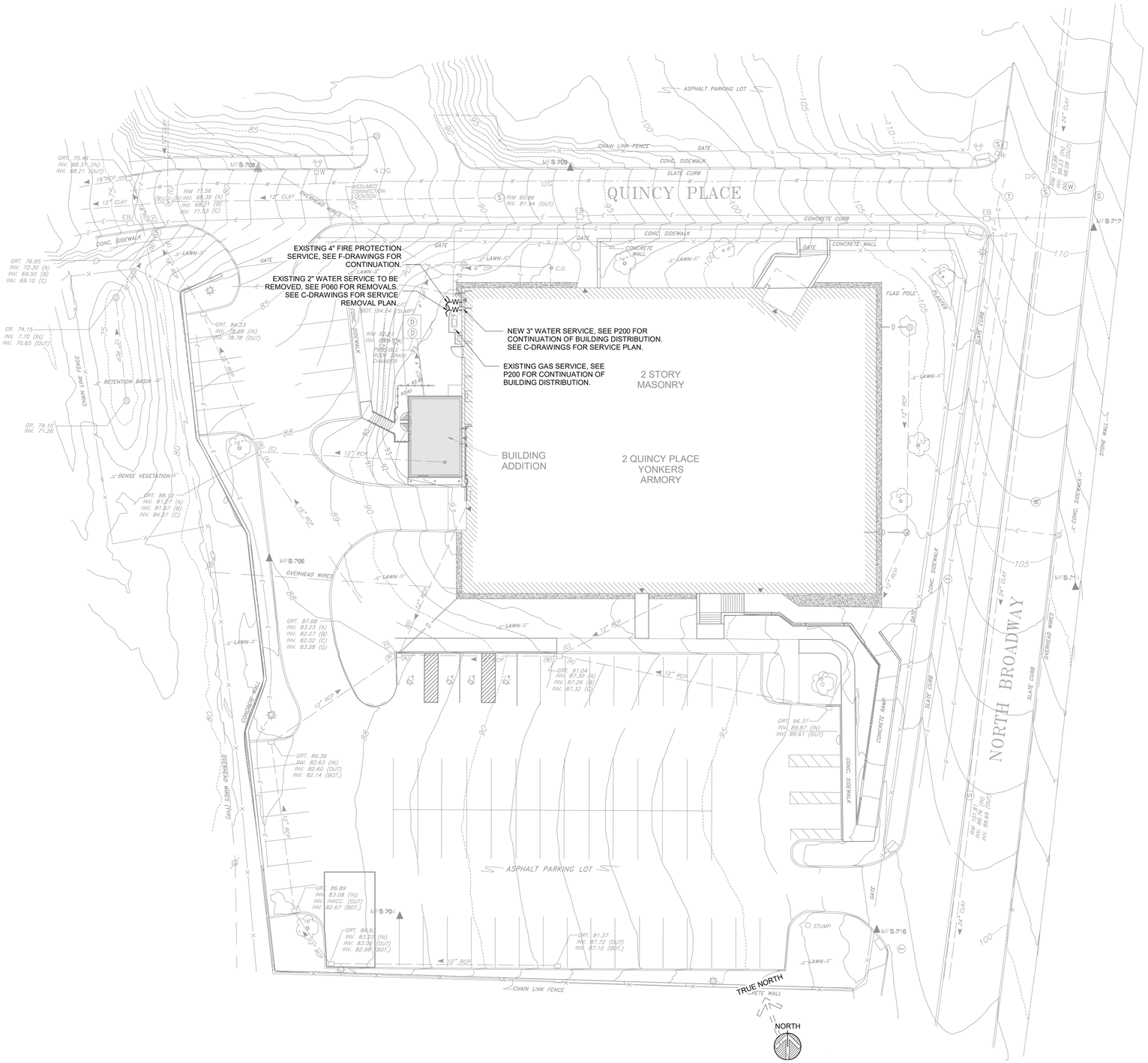
PROJECT NUMBER: 47477-P
DESIGNED BY: RR
DRAWN BY: RR
FIELD CHECK: HS/KT
APPROVED: HS

SHEET TITLE: PLUMBING SCHEDULES

DRAWING NUMBER: P-002

SHEET 144 OF 198



D 1 P-020 SITE AND SERVICE PLAN

SCALE: 1" = 20'-0"

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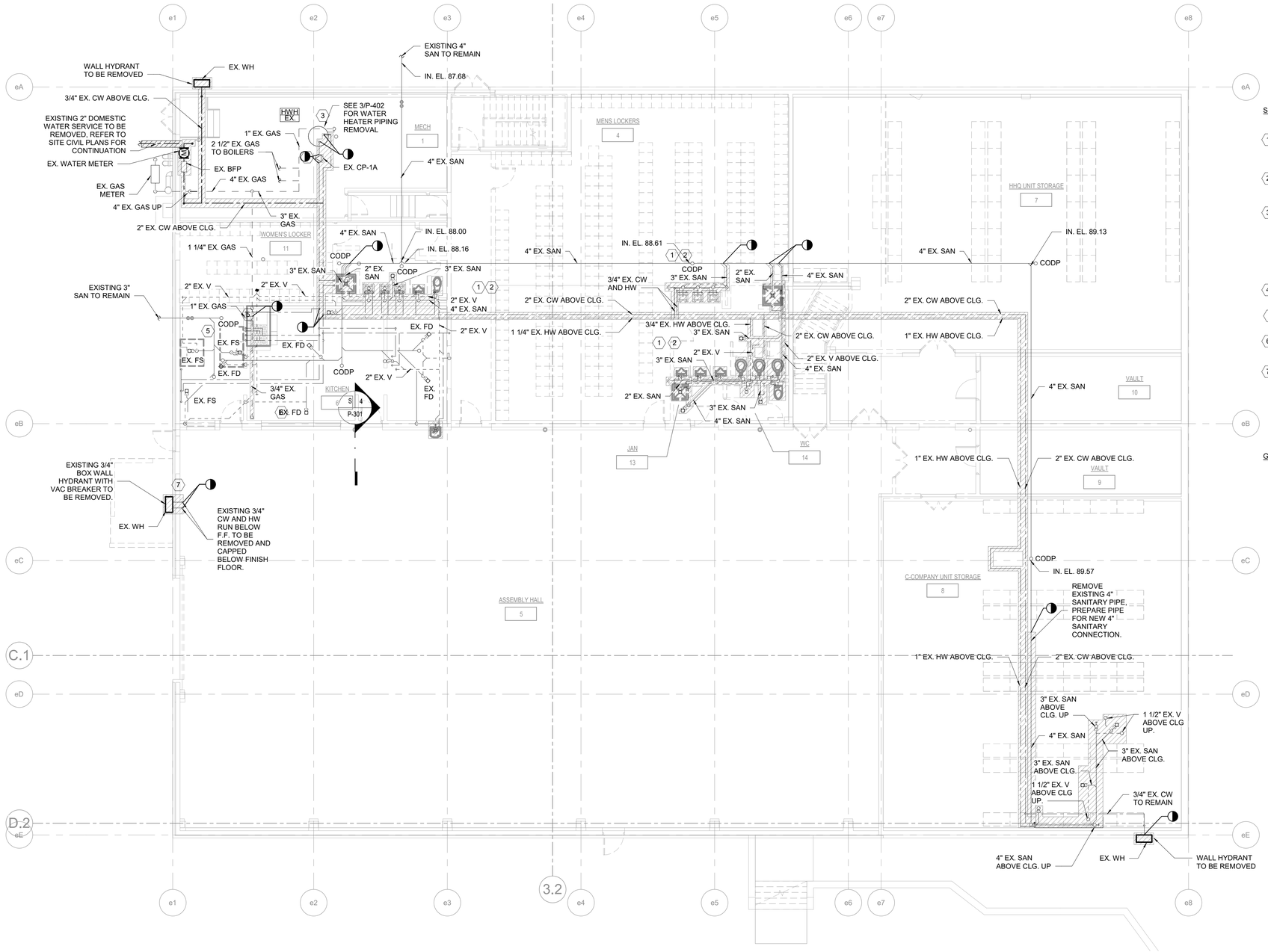
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING SITE PLAN

DRAWING NUMBER: P-020



D | 1
P-060

LOWER LEVEL - REMOVALS

SCALE: 1/8" = 1'-0"

TRUE NORTH

NORTH

SHEET NOTES:

1. CONTRACTOR TO REMOVE ALL SANITARY AND VENT PIPING THROUGHOUT THE SPACE. ENSURE ALL ASSOCIATED ACCESSOREIS PERTAINING TO THE SANITARY SYSTEM IN THE SPACE ARE REMOVED.
2. CONTRACTOR TO REMOVE ALL ACCESSOREIS USED FOR DOMESTIC WATER AND ALL ASSOCIATED PIPING, VALVES, SUPPORTS, ETC.
3. CONTRACTOR TO REMOVE ALL HOT AND COLD WATER PIPING ENTERING AND LEAVING THE EXISTING WATER HEATER. EXISTING CIRCULATOR PUMP AND HOT WATER TANK TO BE REUSED IN PROVIDED DESIGN, PROTECT AND KEEP IN SAFE STORAGE DURING REMOVAL PHASE AND CAREFULLY INSTALL DURING THE CONSTRUCTION PHASES. REFER TO P-200 FOR REINSTALLATION OF PUMP. REFER TO 3/P-402 FOR DETAILED REMOVAL PLAN.
4. REMOVE ALL DISTRIBUTION DOMESTIC WATER PIPING. REFER TO 3/P-402 FOR DETAILED REMOVAL PLAN.
5. REMOVE POINT OF USE ELECTRIC WATER HEATER FROM KITCHEN FIXTURE.
6. REMOVE HOT FOOD TABLE AND REMOVE GAS PIPING TO NEAREST BRANCH, REPLACE TEE WITH AN ELBOW TO TERMINATE REMOVED CONNECTION.
7. CORDINATE WITH C-CONTRACTOR ONCE WALL HYDRANT IS REMOVED FOR REPAIR OF EXTERIOR FACADE.

GENERAL REMOVAL NOTES:

1. COORDINATE WITH C-CONTRACTOR FOR REMOVAL OF FIXTURES.
2. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND PROVIDES GENERAL INFORMATION ON THE EXISTING BUILDING SYSTEMS. IT MAY NOT PROVIDE AND NOT BE USED TO CALCULATE THE EXACT AMOUNT OF MATERIAL OR NUMBER OF EQUIPMENT BEING REMOVED. CONTRACTOR SHALL PERFORM DETAILED WALKTHROUGH THE BUILDING AND VERIFY ITEMS ON FIELD
3. COORDINATE WITH OTHER TRADES BEFORE BEGINNING REMOVAL WORK.
4. P CONTRACTOR TO COORDINATE WITH C-CONTRACTOR FOR ALL CUTTING, PATCHING, FILLING, AND CONCRETE WORK.
5. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE, WHEN SHUTTING WATER RISER SYSTEMS. 1 WEEK IN ADVANCE NOTICE IS REQUIRED.
6. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE FOR ALL WELDING AND BURNING WORK. ALL WELDING AND BURNING WORK SHALL BE PROPERLY VENTILATED AND PURGED. PERMITS FOR HOT WORK PERFORMED SHALL BE SUBMIITTED.
7. THE CONTRACTOR TO REMOVE ALL FITTINGS. HANGERS AND VALVES ASSOCIATED WITH THE REMOVAL WORK INCLUDING INSULATION AND DISCARD IN A NEAT AND ORDERLY MANNER.
8. COORDINATE WITH C-CONTRACTOR FOR PATCHING OF ALL REMAINING SLAB OPENINGS, HOLES, AND PENETRATIONS AFTER THE REMOVAL OF EXISTING SANITARY, VENT, HOT WATER, COLD WATER, AND GAS PIPING. FILL AND REPAIR TO MATCH ALL EXISTING SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF REPAIR OR MADE IMPERFECT BY ALTERATIONS OR REMOVAL WORK AND AS REQUIRED TO PREPARE SURFACES FOR MATERIAL AND ARRANGEMENTS THAT ARE TO BE PROVIDED. REAPPLY FIRE STOPPING MATERIAL TO PATCH ANY FIRE RATED WALL OPENING AFTER PIPE AND/OR CONDUIT REMOVAL. PAINT ALL REPAIR SURFACE TO MATCH FIELD CONDITION FINISH.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
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PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING LOWER LEVEL – REMOVAL PLAN

DRAWING NUMBER: P-060

SHEET NOTES:

1. CONTRACTOR TO REMOVE ALL SANITARY AND VENT PIPING THROUGHOUT THE SPACE. ENSURE ALL ASSOCIATED ITEMS PERTAINING TO SANITARY SYSTEM IN SPACE ARE REMOVED.
2. CONTRACTOR TO REMOVE ALL ITEMS USED FOR DOMESTIC WATER AND ALL ASSOCIATED PIPING, VALVES, SUPPORTS, ETC.

D 1 / P-061 UPPER LEVEL - REMOVALS

SCALE: 1/8" = 1'-0"

TRUE NORTH

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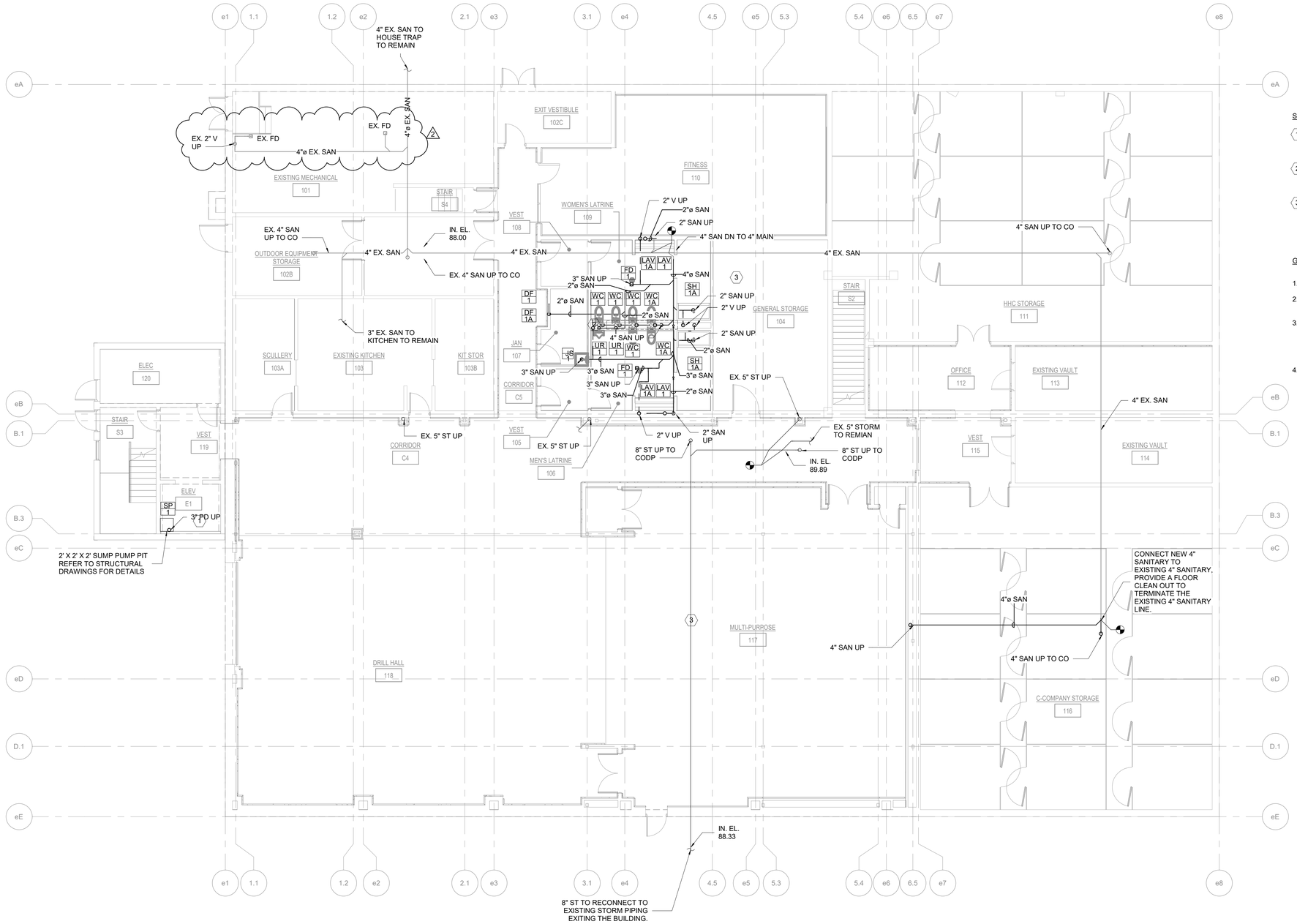
PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING UPPER LEVEL – REMOVAL PLAN

DRAWING NUMBER: P-061



SHEET NOTES:

1. PROVIDE ELEVATOR SUMP PUMP AND ALL ASSOCIATED PIPING AND ACCESSORIES. COORDINATE WITH E-CONTRACTOR FOR POWER.
2. WATER CLOSET CARRIERS ARE FLOOR MOUNTED AND PIPED ABOVE GROUND AS SHOWN AND DROPS BELOW SLAB WHERE SHOWN.
3. STORM PIPING TO BE ROUTED AS SHOWN ON DRAWING TO AVOID NEW STRUCTURAL FOOTING. STORM PIPE TO RECONNECT TO THE EXISTING STORM PIPING LEAVING THE BUILDING. ALL WORK DONE TO THE STORM PIPE MUST BE DONE WITHIN 5 FEET OF THE EXTERIOR OF THE BUILDING.

GENERAL NOTES:

1. REFER TO SCHDULE FOR SLOPE OF DRAIN PIPES.
2. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.
3. CONTRACTOR TO PROVIDE ALL PLUMBING FIXTURES, AND DOMESTIC WATER PIPING INCLUDING BUT NOT LIMITED TO COLD WATER LINES, HOT WATER LINES, HOT WATER RETURN LINES. PROVIDE ALL ASSOCIATED PIPING, VALVES, HANGERS, SUPPORTS, INSULATION, ETC.
4. CONTRACTOR TO PROVIDE ALL SANITARY AND VENT PIPING FOR PROVIDED PLUMBING FIXTURES AS REQUIRED PER LAYOUT. PROVIDE ALL ASSOCIATED ITEMS PERTAINING TO SANITARY SYSTEM SUCH AS CLEANOUTS, JOINTS, FITTINGS, HANGERS, SUPPORTS, ETC.

D 1 / P-100A LOWER LEVEL - UNDERGROUND
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH
NORTH

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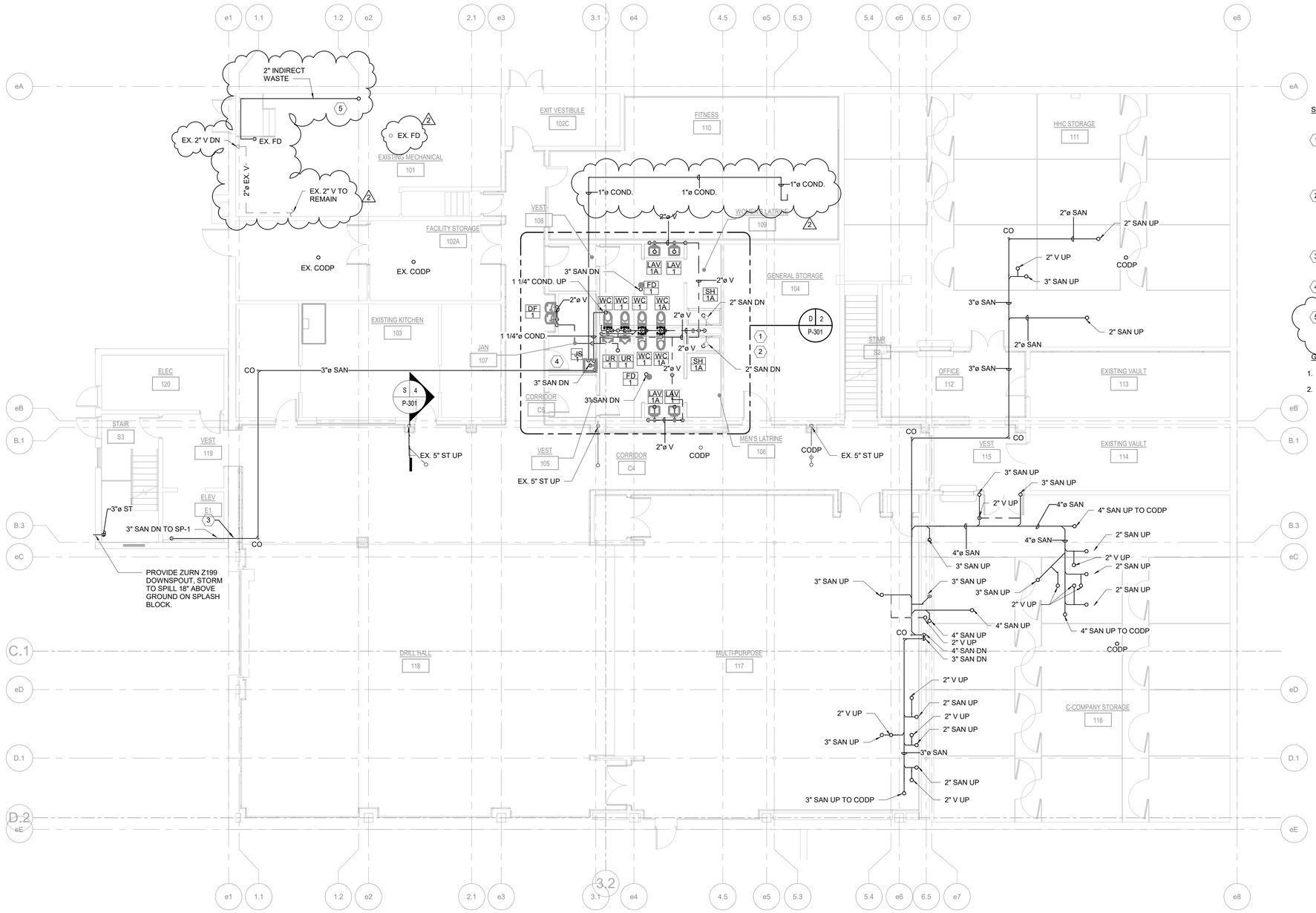
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING LOWER LEVEL PLAN – UNDERGROUND

DRAWING NUMBER: P-100A



D 1 / P-100B LOWER LEVEL - OVERHEAD

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

SHEET NOTES:

1. CONTRACTOR TO PROVIDE ALL SANITARY AND VENT PIPING FOR PROVIDED PLUMBING FIXTURES AS REQUIRED PER LAYOUT. PROVIDE ALL ASSOCIATED ITEMS PERTAINING TO SANITARY SYSTEM SUCH AS CLEANOUTS, JOINTS, FITTINGS, HANGERS, SUPPORTS, ETC.
2. CONTRACTOR TO PROVIDE ALL PLUMBING FIXTURES, AND DOMESTIC WATER PIPING INCLUDING BUT NOT LIMITED TO COLD WATER LINES, HOT WATER LINES, HOT WATER RETURN LINES. PROVIDE ALL ASSOCIATED PIPING, VALVES, HANGERS, SUPPORTS, INSULATION, ETC.
3. 3" SUMP PUMP PIPING DOWN TO SP-1, REFER TO P-100A FOR CONTINUATION.
4. PUMP DISCHARGE TO SPILL INTO JANITOR SINK WITH AN AIR GAP AS PER THE NYS PLUMBING CODE
5. NEW 2" INDIRECT WASTE DRAINAGE FROM NEW BACKFLOW PREVENTER TO EXISTING FLOOR DRAIN. INDIRECT WASTE PIPING SHALL BE ROUTED TO MINIMIZE TRIPPING HAZARD.

GENERAL NOTES:

1. REFER TO SCHDULE FOR SLOPE OF DRAIN PIPES.
2. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

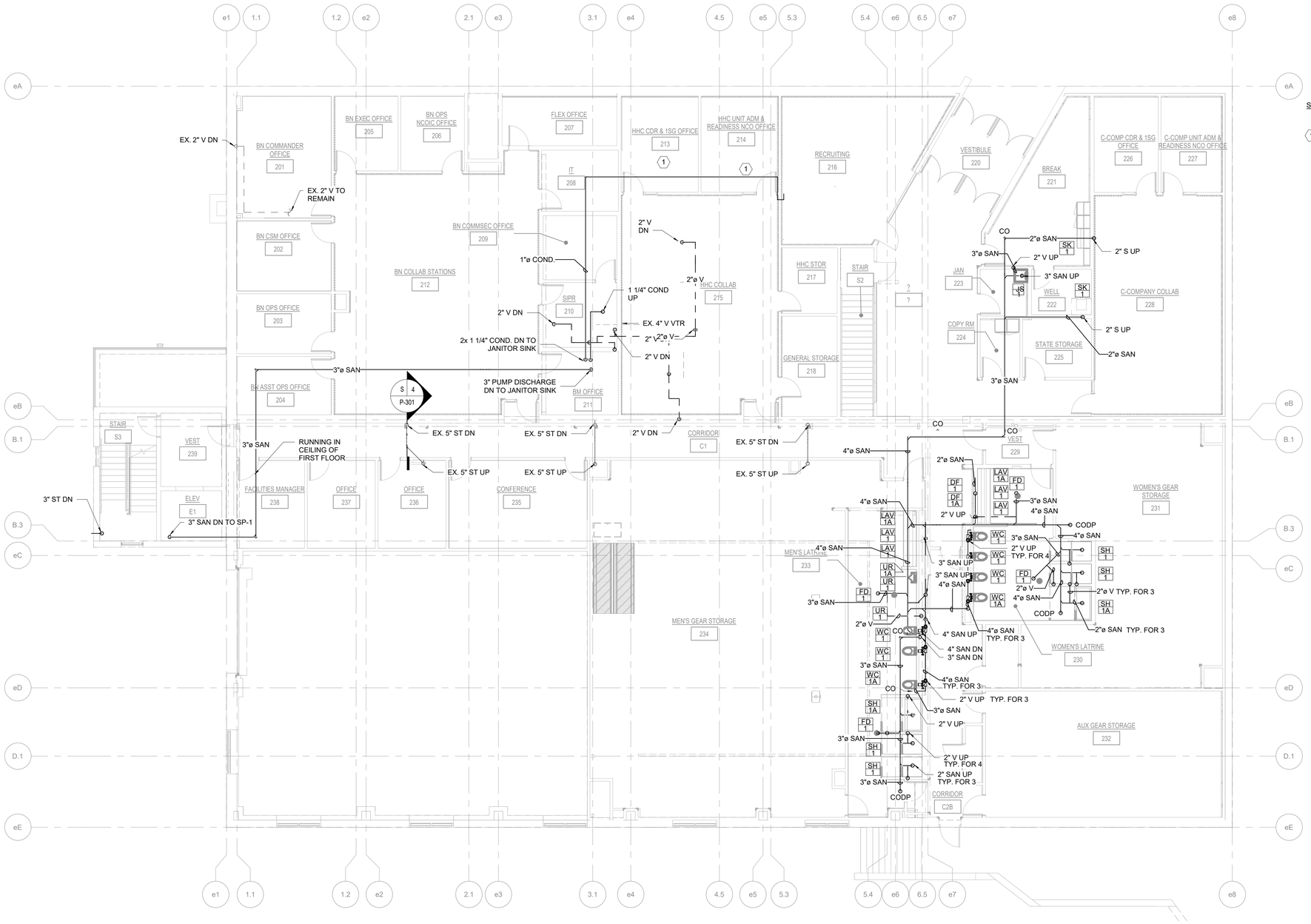
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING LOWER LEVEL PLAN – OVERHEAD PLAN

DRAWING NUMBER: P-100B

SHEET 149 OF 198



SHEET NOTES:

1. CONNECT CONDENSATE DRAIN PIPING TO MECHANICAL EQUIPMENT. COORDINATE WITH M-CONTRACTOR FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.

D 1 P-101A UPPER LEVEL - BELOW SLAB
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH
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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
PLUMBING

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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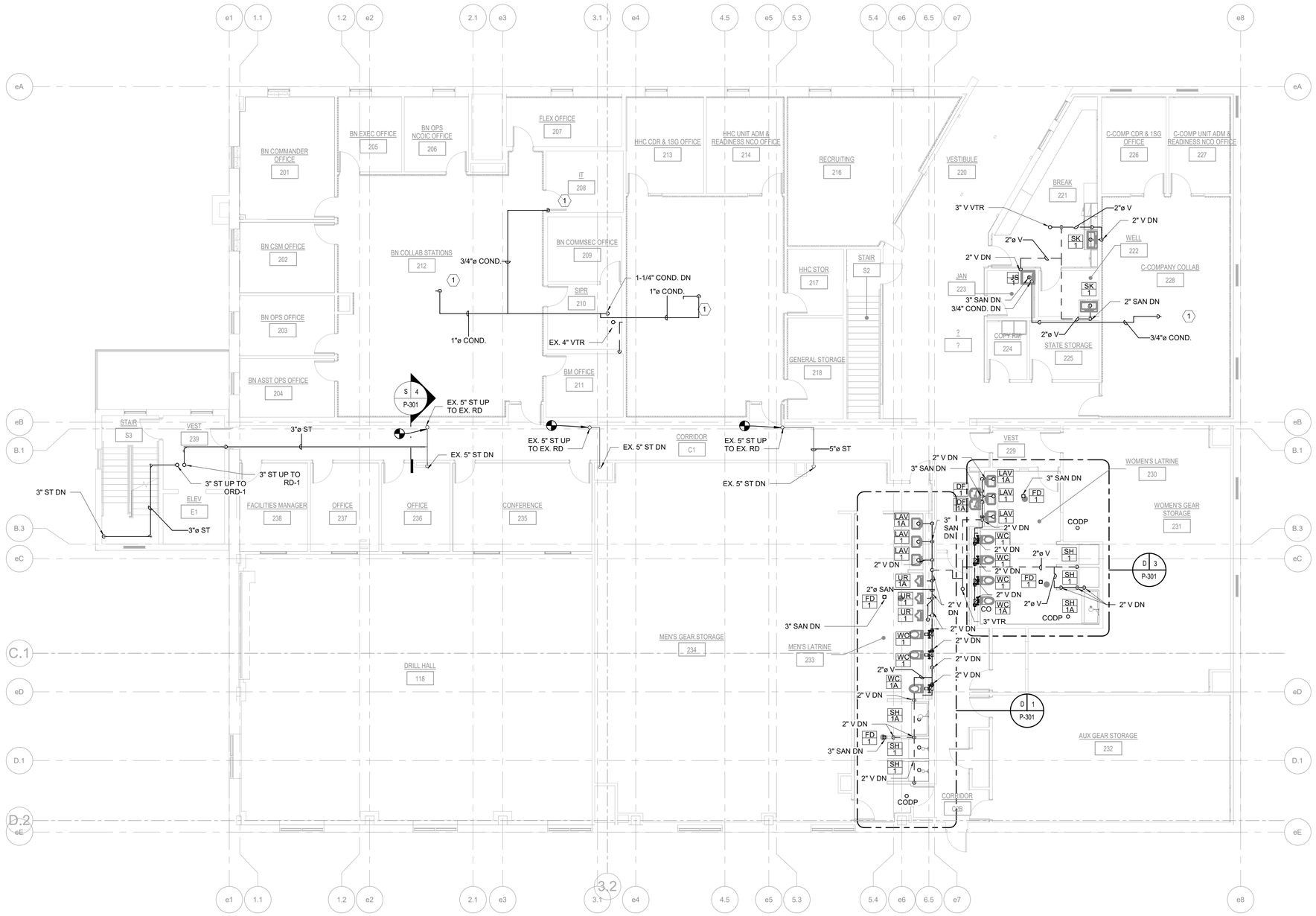
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-P

DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:
PLUMBING UPPER LEVEL PLAN – BELOW SLAB PLAN

DRAWING NUMBER:
P-101A



D 1 P-101B UPPER LEVEL - OVERHEAD

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

SHEET NOTES:

1. CONNECT CONDENSATE DRAIN PIPING TO MECHANICAL EQUIPMENT. COORDINATE WITH M-CONTRACTOR FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.

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PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING UPPER LEVEL PLAN – OVERHEAD PLAN

DRAWING NUMBER: P-101B

SHEET 151 OF 198

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

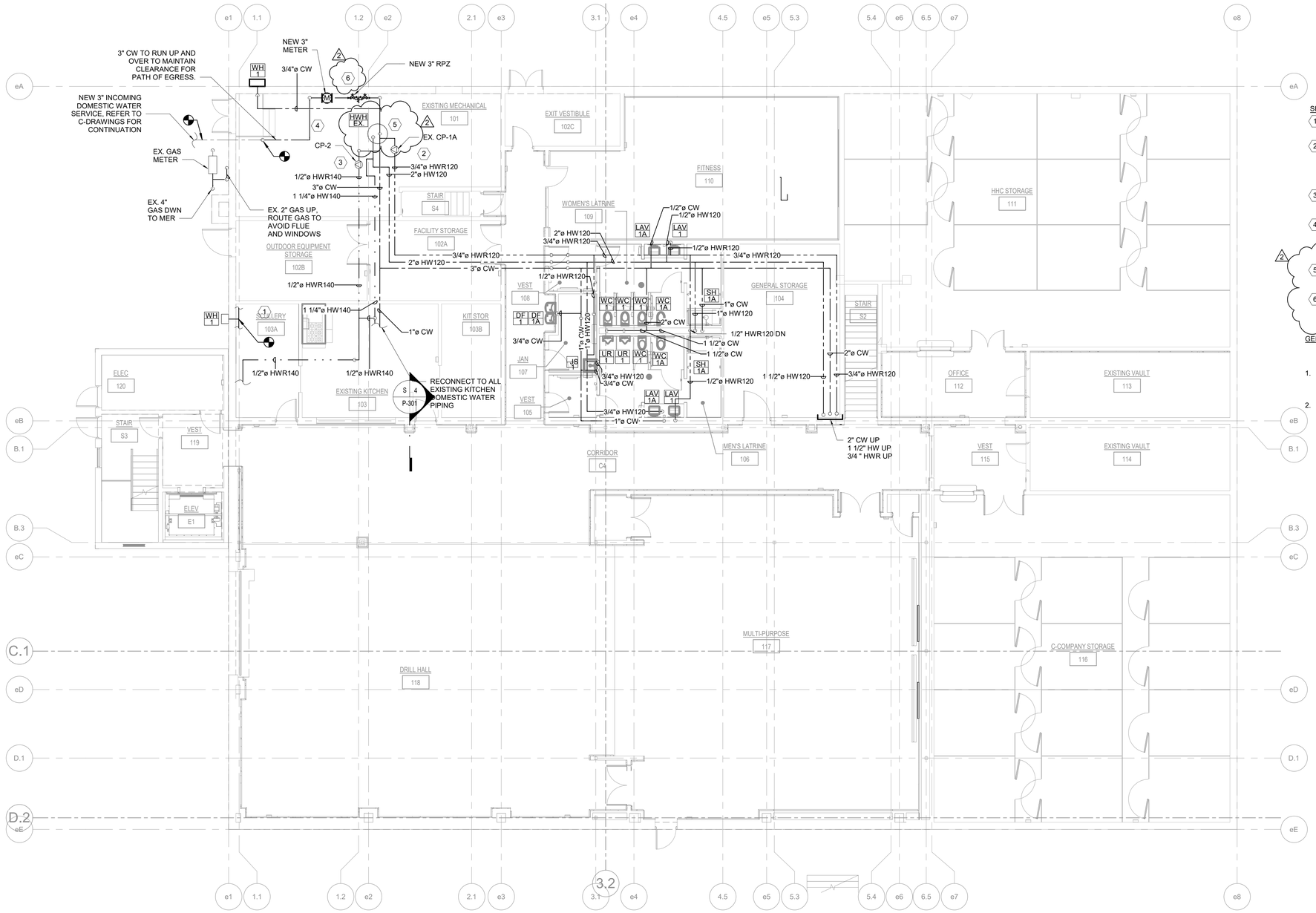
A&J Consulting Engineering Services, P.C.

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS



SHEET NOTES:

1. NEW 3/4" COLD WATER SUPPLY TAP OFF FROM EXISTING 3/4" COLD WATER LINE TO FEED NEW WALL HYDRANT WH-1
2. EXISTING CIRCULATING PUMP CP-1A TO BE RELOCATED TO THE NEW 120° HOT WATER RETURN LINE. PROVIDE ALL NECESSARY FITTINGS AND ACCESSORIES FOR A COMPLETE INSTALLATION. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR POWER.
3. NEW CIRCULATING PUMP CP-2 TO BE INSTALLED ON THE NEW DEDICATED KITCHEN 140° HOT WATER RETURN LINE.
4. BETWEEN POINT OF ENTRY AND REDUCED ZONE (RPZ) THE PIPE MUST BE STENCILED "FEED TO BACKFLOW PREVENTER, DO NOT TAP OR CONNECT TO THIS LINE" AT 5' INTERVALS. THE LETTERING SHALL BE 2", GREEN ON WHITE BACKGROUND
5. REFER TO 4/P-402 FOR WATER HEATER PIPING RISER DIAGRAM.
6. NEW 2" INDIRECT WASTE DRAINAGE FROM NEW BACKFLOW PREVENTER TO EXISTING FLOOR DRAIN. INDIRECT WASTE PIPING SHALL BE ROUTED TO MINIMIZE TRIPPING HAZARD.

GENERAL NOTES:

1. REFER TO PLUMBING PIPING SCHEDULE FOR ACCEPTABLE PIPE MATERIALS FOR NEW COLD, HOT, HOT WATER RETURN, AND GAS PIPING.
2. REFER TO PLUMBING INSULATION SCHEDULE FOR MINIMUM INSULATION THICKNESS AND RATING AS PER FLUID OPERATING TEMPERATURE.

D 1 P-200 LOWER LEVEL - DOMESTIC
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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CODE COMPLIANCE STATEMENTS

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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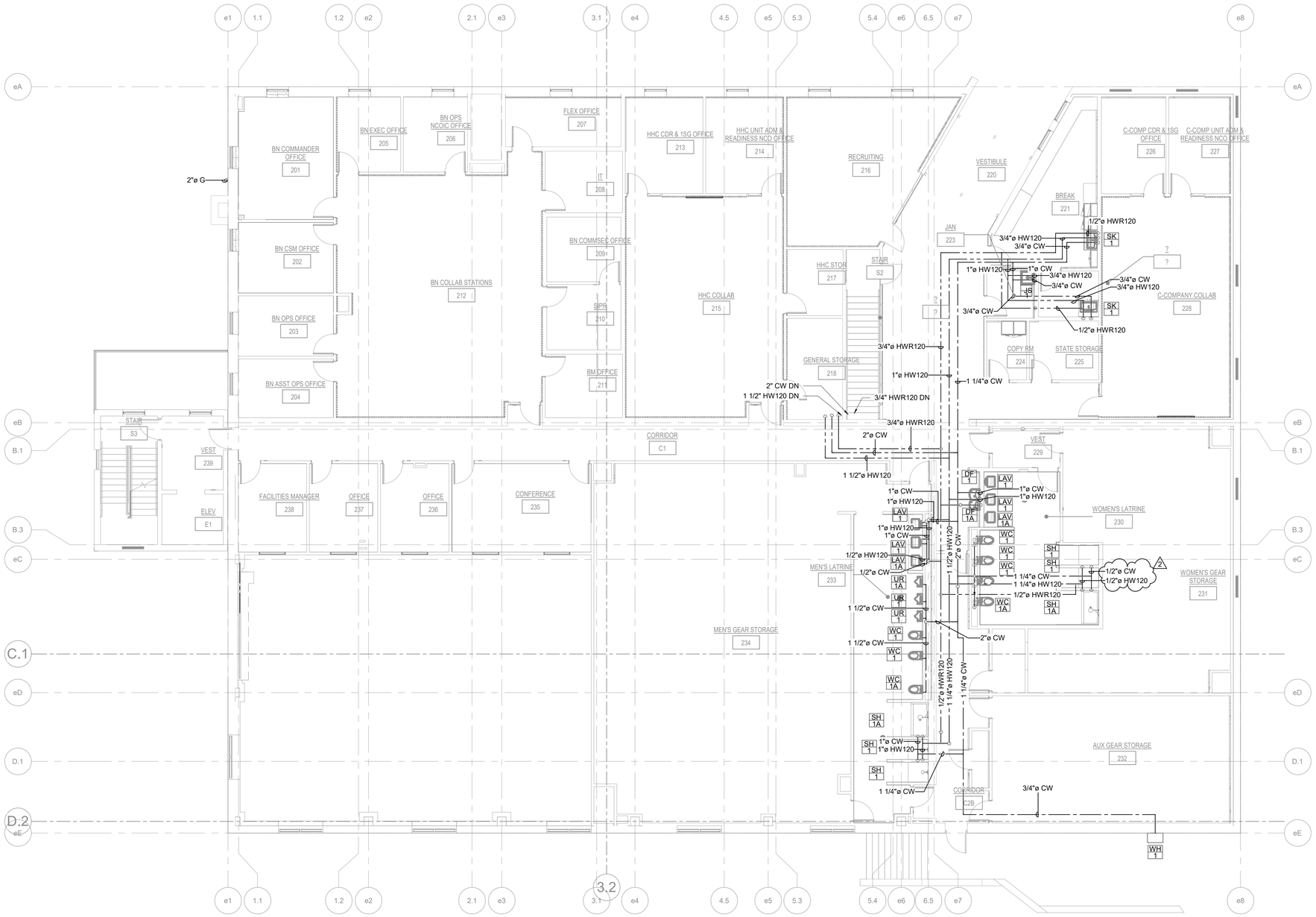
PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: PLUMBING LOWER LEVEL – DOMESTIC WATER PLAN

DRAWING NUMBER: P-200



D 1 P-201 UPPER LEVEL - DOMESTIC

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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07/20/2026
EXP. 09/30/2026

CONTRACT:

PLUMBING

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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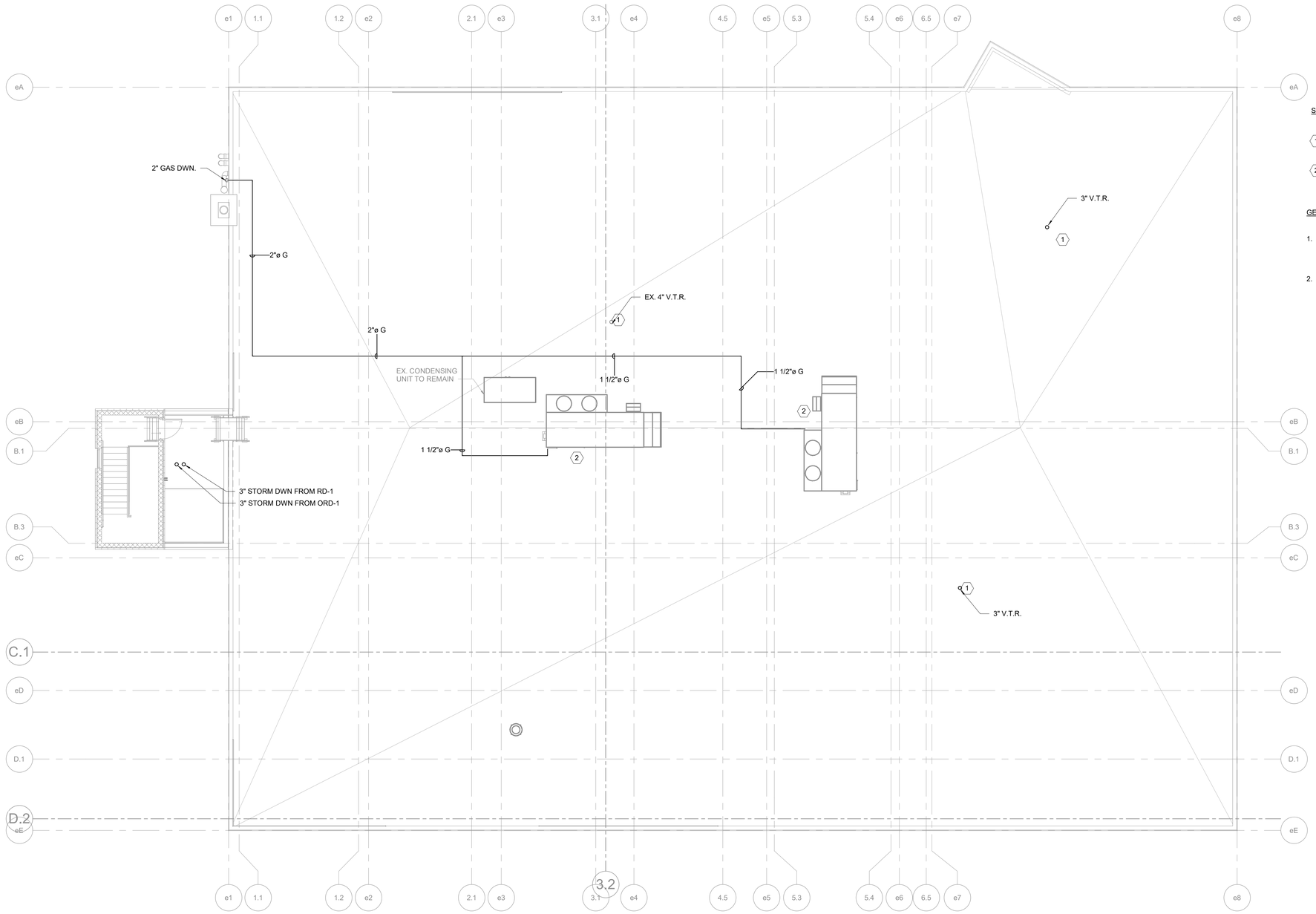
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:

PLUMBING UPPER LEVEL – DOMESTIC WATER PLAN

DRAWING NUMBER:

P-201



D 1 P-202 **ROOF PLAN**

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

SHEET NOTES:

1. ALL VENT TERMINATION POINTS TO BE 10'-0" AWAY FROM ANY AIR INTAKE
2. P-TRAPS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDENSATE TO ROOF DRAIN. PROVIDE WITH CODE REQUIRED AIR GAP.

GENERAL NOTES:

1. ALL GAS PIPING RUNNING ON EXISTING ROOF SHALL BE SUPPORTED WITH PIPING CHAIRS AND SHALL BE PAINTED YELLOW BY THE C-CONTRACTOR. COORDINATE WITH C-CONTRACTOR FOR PAINTING OF THE GAS PIPING.
2. THE EXISTING ROOF IS UNDER WARRANTY - PENETRATIONS MODIFICATIONS TO THE ROOF ASSEMBLY ARE BY THE C-CONTRACTOR. P-CONTRACTOR SHALL PROTECT THE ROOF AND EXISTING EQUIPMENT DURING THEIR WORK. ANY DAMAGE CAUSED BY THE P-CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED AND APPROVED ROOFER AT THEIR EXPENSE, SUBJECT TO APPROVED BY THE DIRECTORS REPRESENTATIVE.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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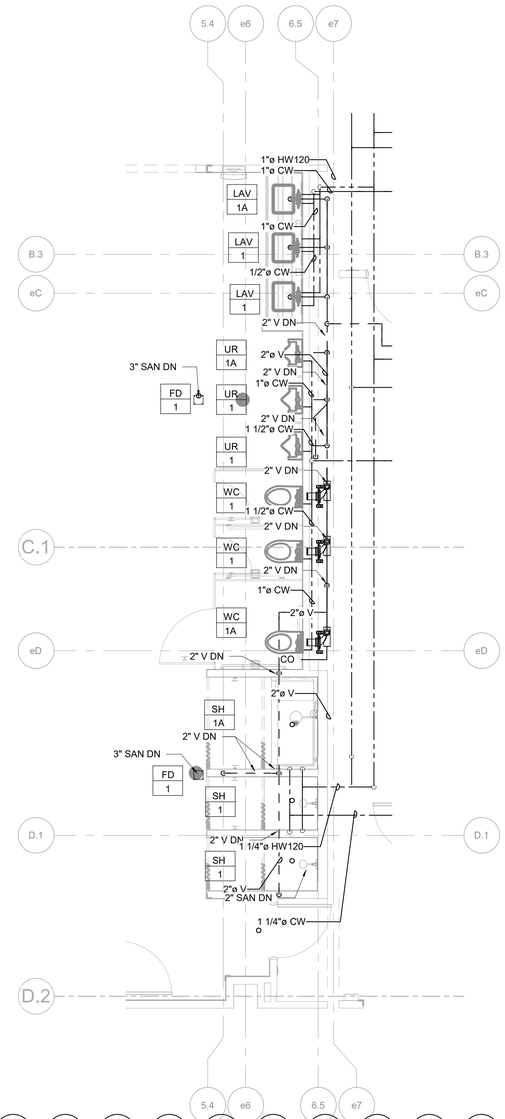
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

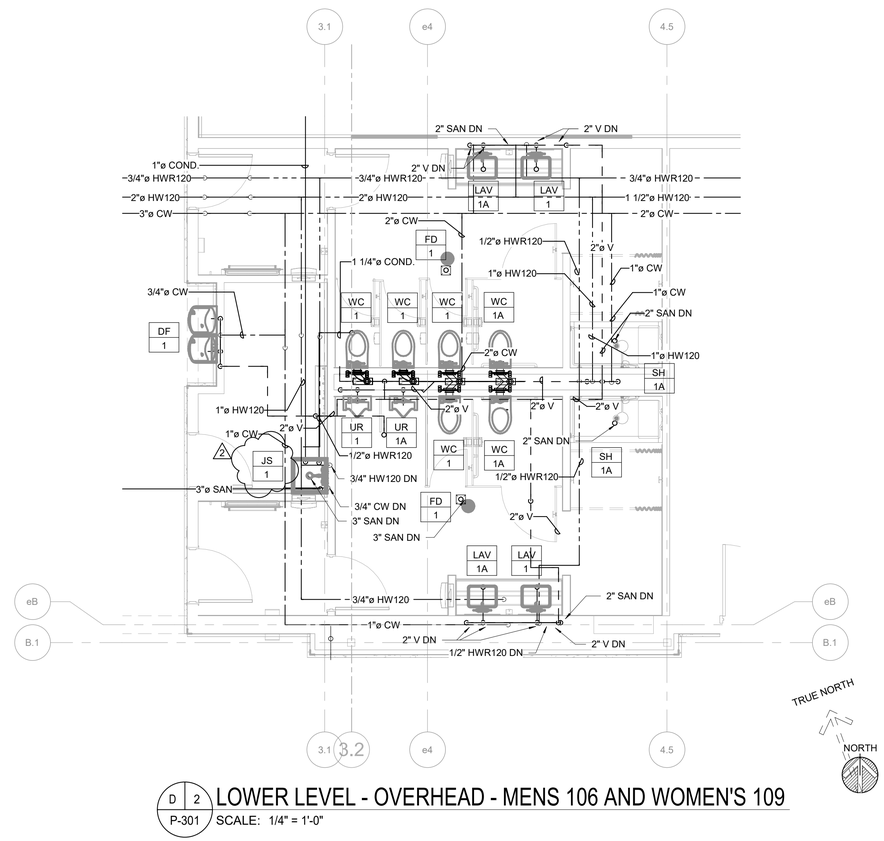
SHEET TITLE:

PLUMBING ROOF LEVEL – PIPING PLAN

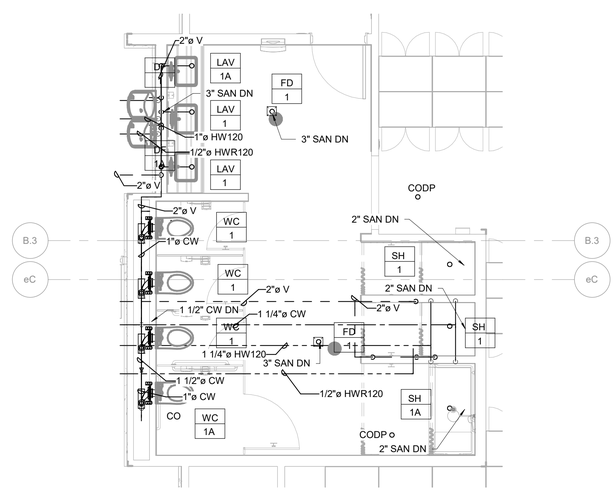
DRAWING NUMBER: P-202



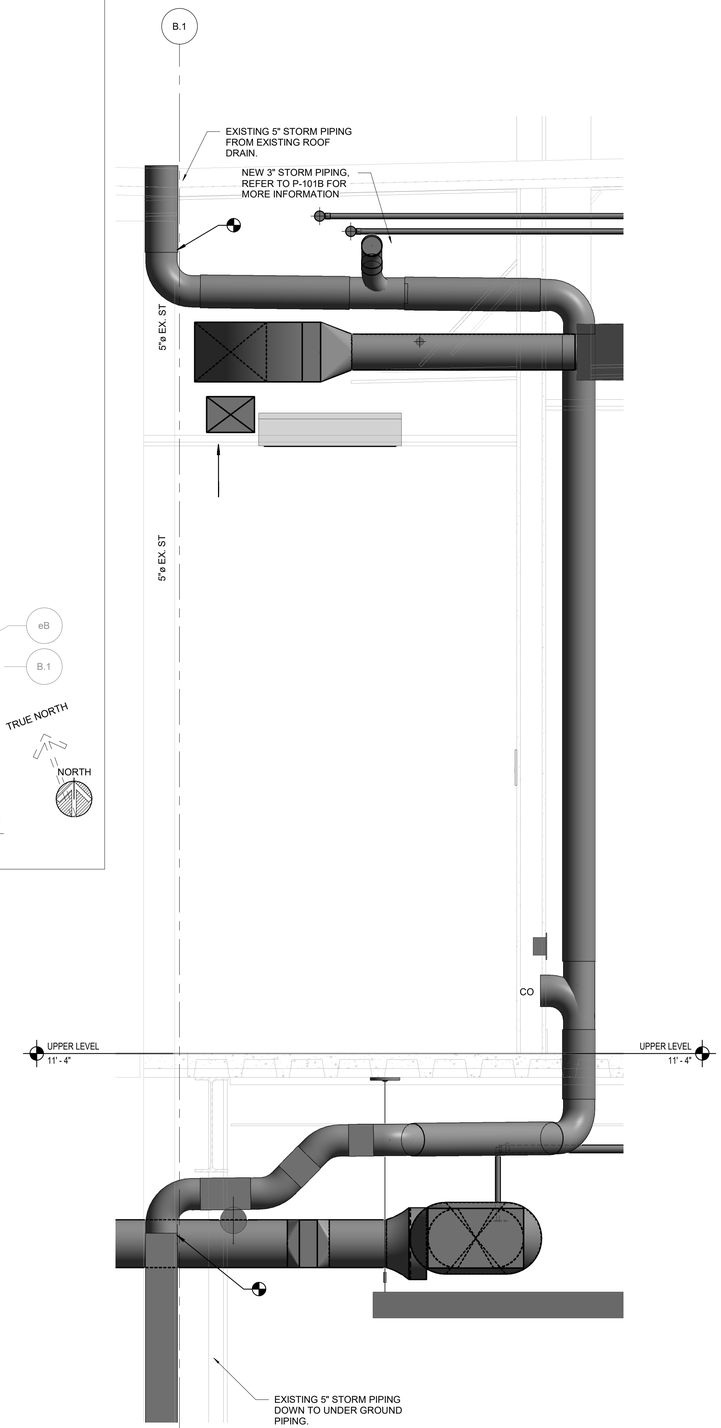
D 1 P-301 UPPER LEVEL - OVERHEAD - MEN'S RESTROOM 233
SCALE: 1/4" = 1'-0"



D 2 P-301 LOWER LEVEL - OVERHEAD - MENS 106 AND WOMEN'S 109
SCALE: 1/4" = 1'-0"



D 3 P-301 UPPER LEVEL - OVERHEAD - WOMEN'S LATRINE 230
SCALE: 1/4" = 1'-0"



D 4 P-301 EXISTING STORM PIPING CONNECTION DETAIL
SCALE: 1" = 1'-0"

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CONSULTANT

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EXP. 09/30/2026

CONTRACT: PLUMBING

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LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

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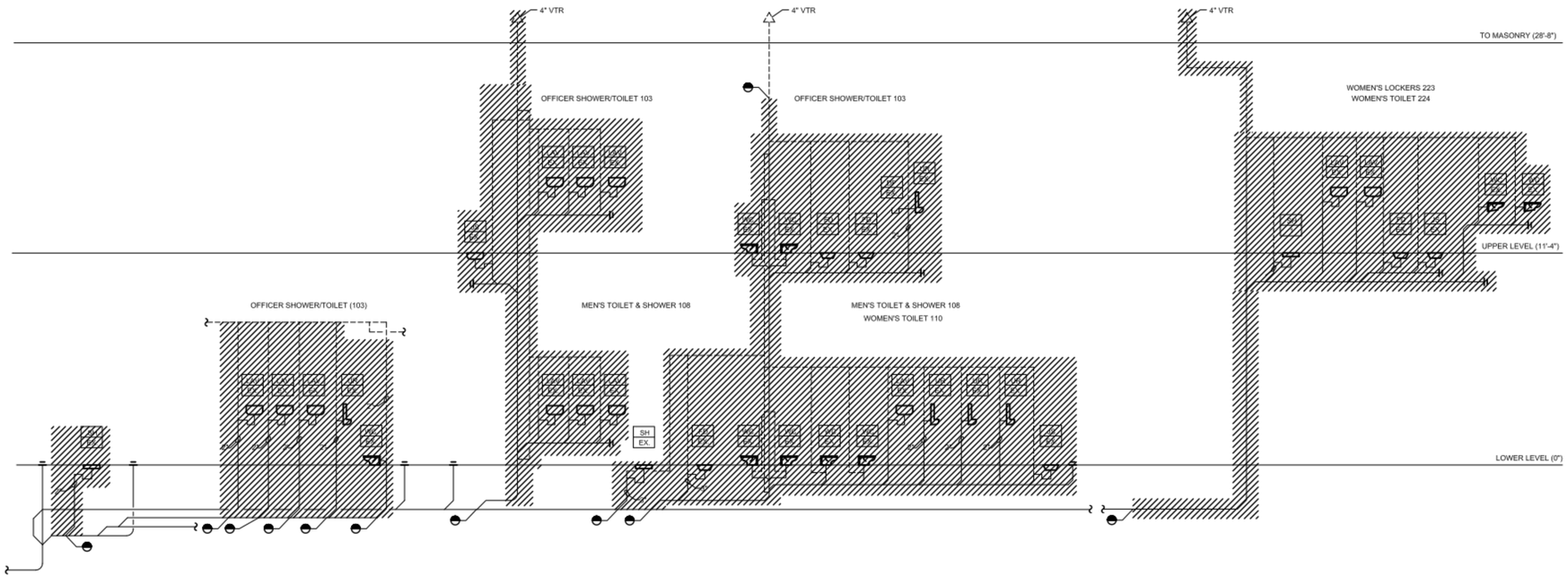
PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

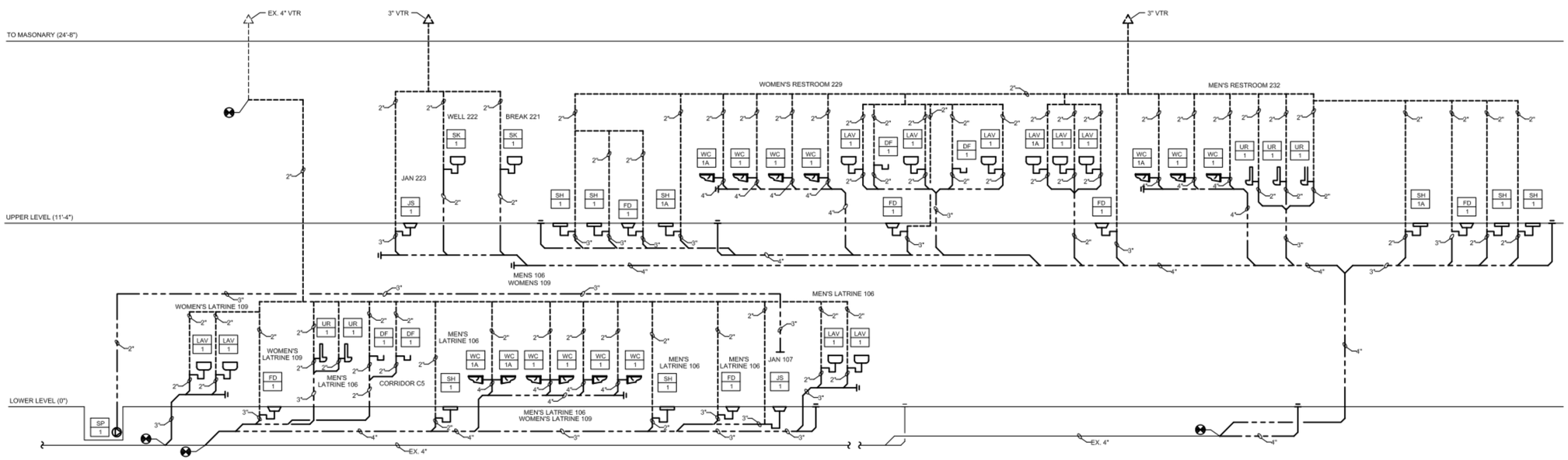
SHEET TITLE: PLUMBING ENLARGED PART PLAN SHEET No.1

DRAWING NUMBER: P-301



1 P401 SANITARY RISER – REMOVALS

N.T.S.



2 P401 SANITARY RISER – NEW WORK

N.T.S.

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CONTRACT:

PLUMBING

TITLE:

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DIVISION OF MILITARY AND NAVAL AFFAIRS

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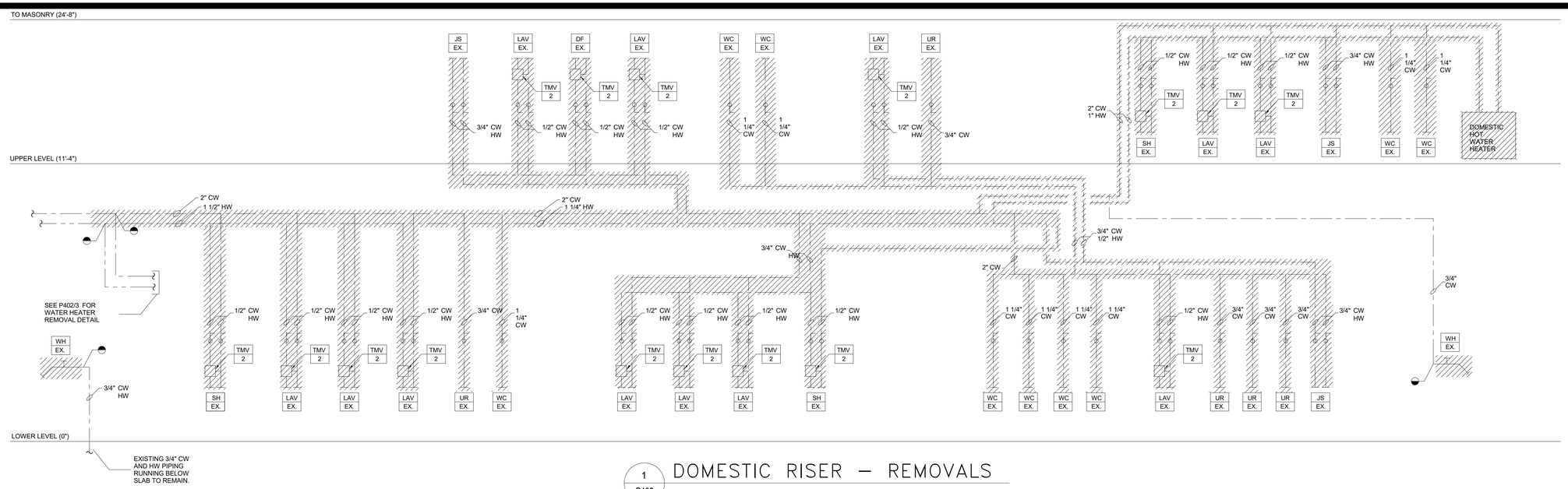
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:

SANITARY/VENT RISER DIAGRAM SHEET NO. 1

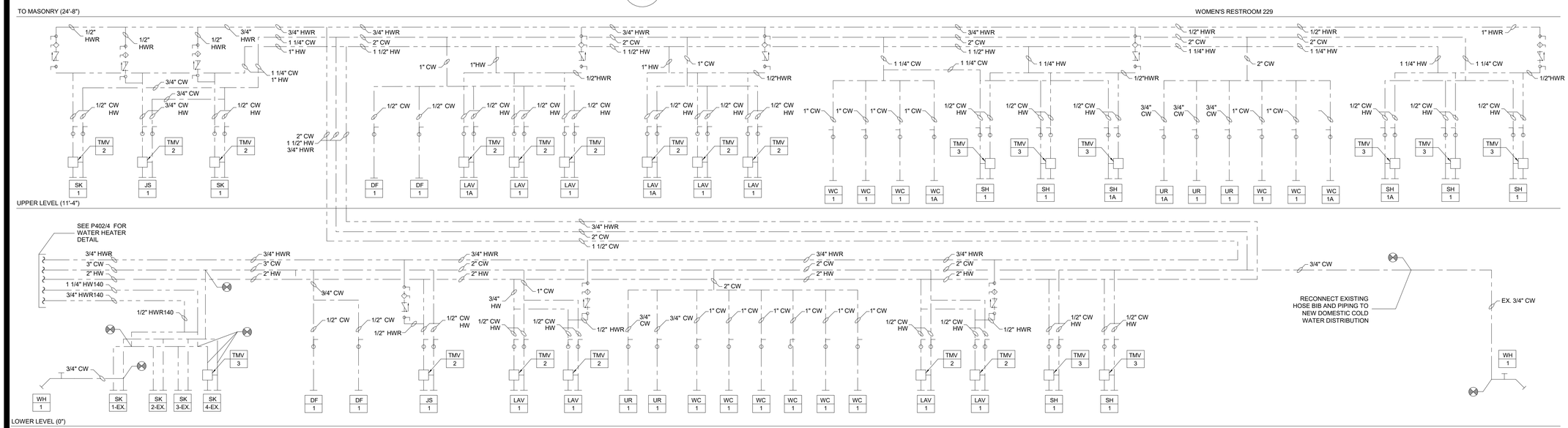
DRAWING NUMBER:

P–401



1 P402 DOMESTIC RISER – REMOVALS

N.T.S.

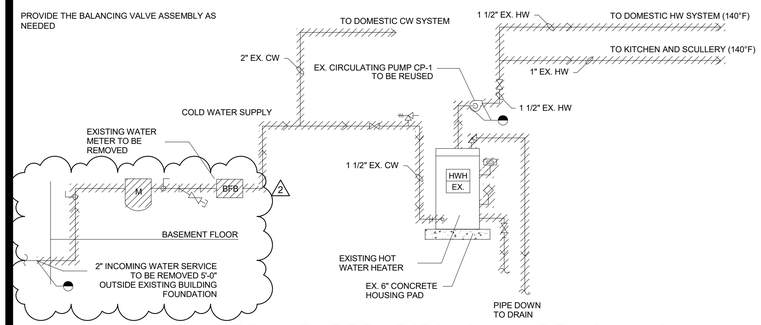


NOTE:
FIXTURES IN THE KITCHEN THAT CONSUME HOT WATER SHALL NOT BE MORE THAN 21 FEET FROM A RECIRCULATED LINE

PROVIDE THE BALANCING VALVE ASSEMBLY AS NEEDED

2 P402 DOMESTIC RISER – NEW WORK

N.T.S.

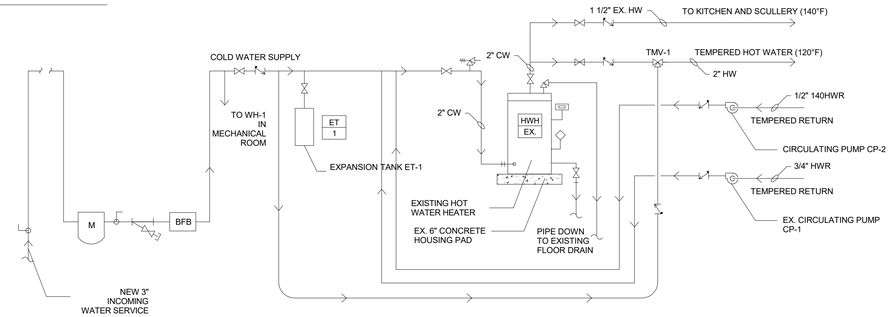


3 P402 WATER HEATER PIPING – REMOVALS

N.T.S.

LEGEND:

- DRAIN COCK
- FLOW SWITCH
- CHECK VALVE
- VACUUM RELIEF VALVE
- TEMPERATURE GAUGE
- TEMPERATURE AND PRESSURE RELIEF VALVE
- ISOLATION GATE VALVE
- AIR VENT
- THERMOSTATIC MIXING VALVE
- TANK TEMPERATURE SENSOR
- BALL VALVE



4 P402 WATER HEATER PIPING – NEW WORK

N.T.S.

NEW YORK STATE Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:

PLUMBING

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

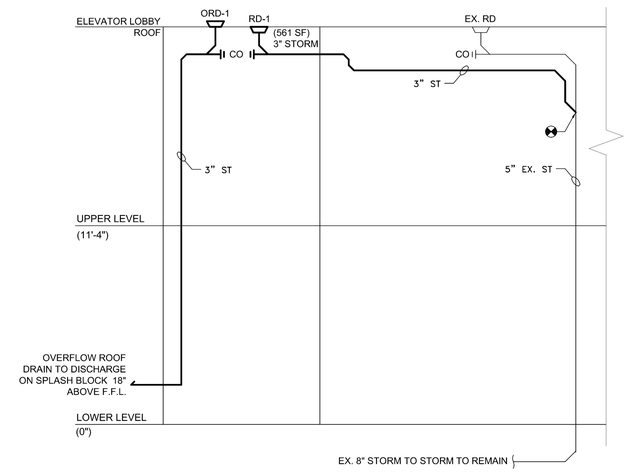
SHEET TITLE:

DOMESTIC WATER RISER DIAGRAM SHEET NO. 1

DRAWING NUMBER:

P-402

SHEET 157 OF 198



D 1 P-403 STORM WATER RISER DIAGRAM

SCALE: N.T.S.

NEW YORK STATE | Office of General Services

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PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:

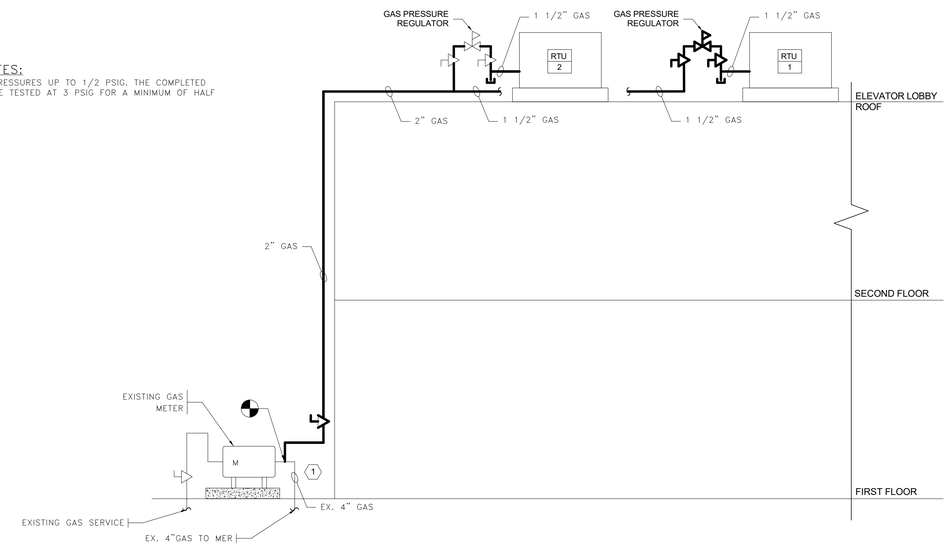
STORM RISER DIAGRAM

DRAWING NUMBER:

P-403

SHEET NOTES:

1. DISTRIBUTION PRESSURES UP TO 1/2 PSIG. THE COMPLETED PIPING IS TO BE TESTED AT 3 PSIG FOR A MINIMUM OF HALF HOUR.



1 / P404 GAS RISER DIAGRAM

N.T.S.

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CONSULTANT

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EXP. 09/30/2026

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PLUMBING

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CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

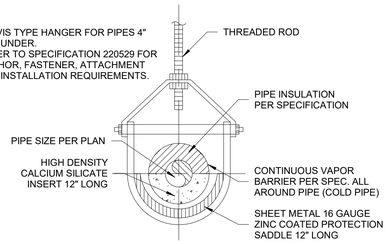
SHEET TITLE:

GAS RISER DIAGRAM

DRAWING NUMBER:

P-404

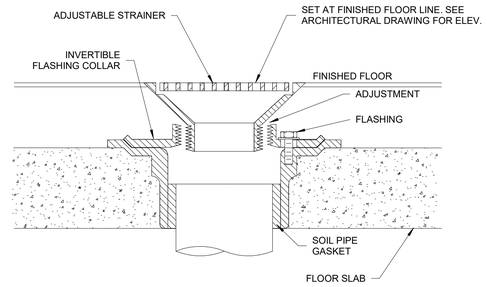
NOTES:
1. CLEVIS TYPE HANGER FOR PIPES 4" AND UNDER.
2. REFER TO SPECIFICATION 220529 FOR ANCHOR, FASTENER, ATTACHMENT AND INSTALLATION REQUIREMENTS.



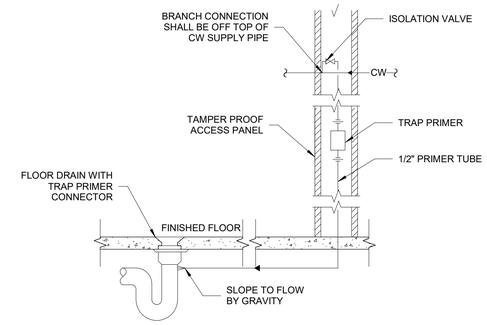
CLEVIS TYPE HANGER

FOR INSULATED PIPING LARGER THAN 1"

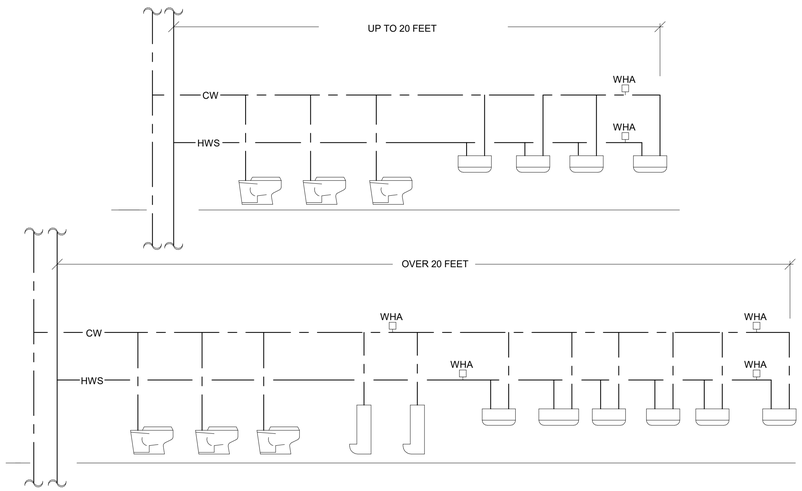
D 1 / P-501 ADJUSTABLE CLEVIS PIPE SUPPORT FOR INSULATED PIPING LARGER THAN 1"
SCALE: N.T.S.



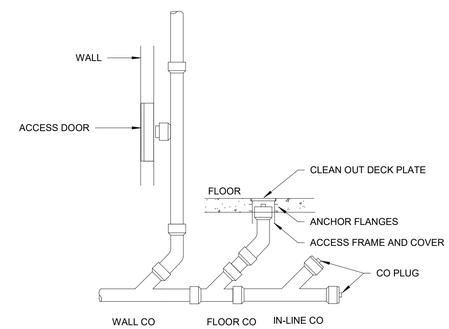
D 2 / P-501 FLOOR DRAIN
SCALE: N.T.S



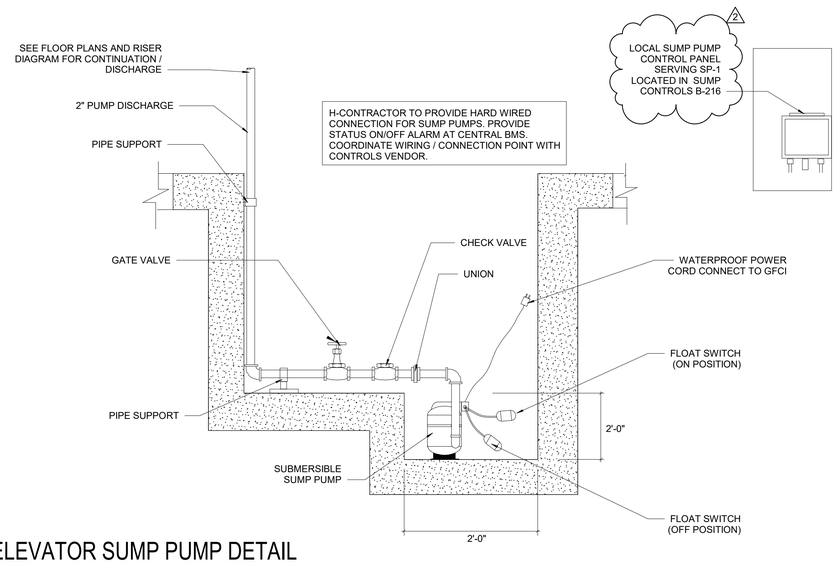
D 3 / P-501 TRAP PRIMER
SCALE: N.T.S.



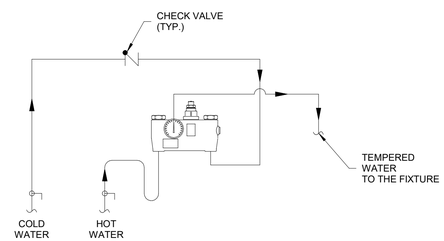
D 4 / P-501 TYPICAL WATER HAMMER ARRESTOR GENERAL PIPING DETAIL
SCALE: N.T.S.



D 5 / P-501 TYPICAL CLEAN OUT INSTALLATION
SCALE: N.T.S.



D 6 / P-501 ELEVATOR SUMP PUMP DETAIL
SCALE: N.T.S.



D 7 / P-501 DETAIL OF MASTER THERMOSTATIC MIXING
SCALE: N.T.S.

NEW YORK STATE Office of General Services
DESIGN & CONSTRUCTION

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
PLUMBING

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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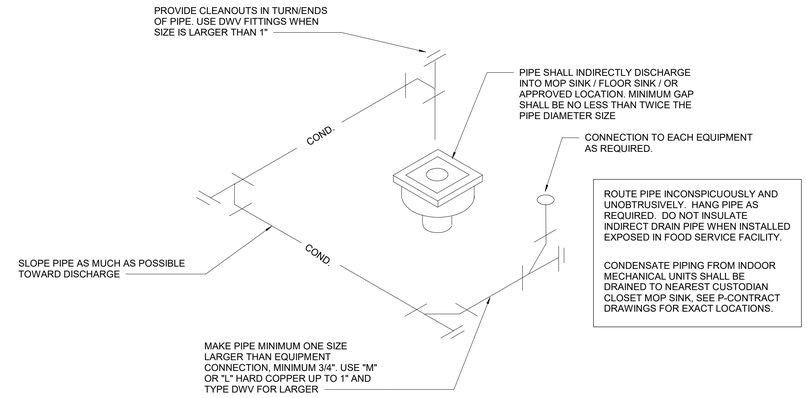
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:
P&D TYPICAL DETAILS SHEET NO. 1

DRAWING NUMBER:
P-501

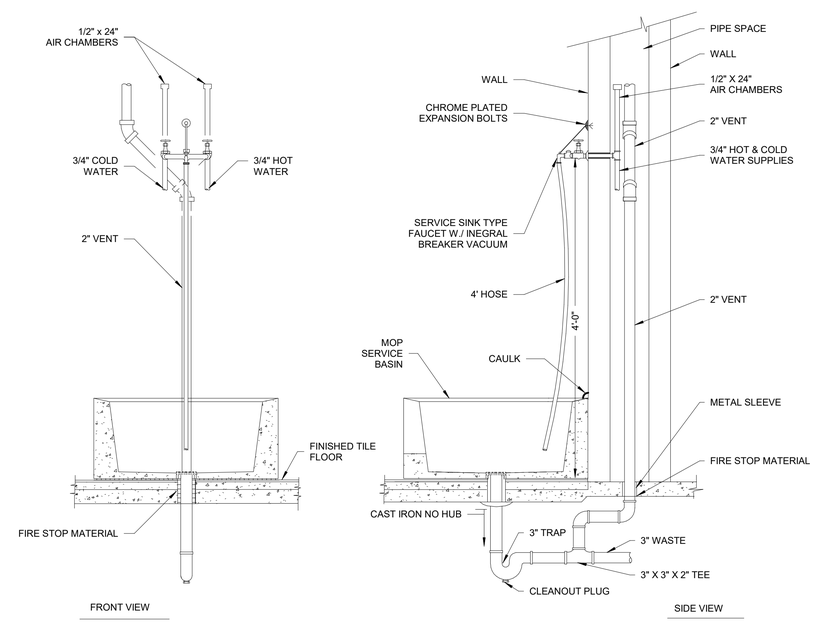


ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY.

CONDENSATE PIPING FROM INDOOR MECHANICAL UNITS SHALL BE DRAINED TO NEAREST CUSTODIAN CLOSET MOP SINK, SEE P-CONTRACT DRAWINGS FOR EXACT LOCATIONS.

D 1 / P-502 **INDIRECT / CONDENSATE DRAIN DETAIL**

SCALE: N.T.S.



D 3 / P-502 **PIPING FOR JANITOR CLOSET MOP BASIN DETAIL**

SCALE: N.T.S.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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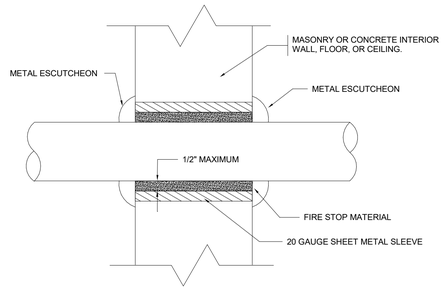
PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE: P&D TYPICAL DETAILS SHEET NO. 2

DRAWING NUMBER: P-502

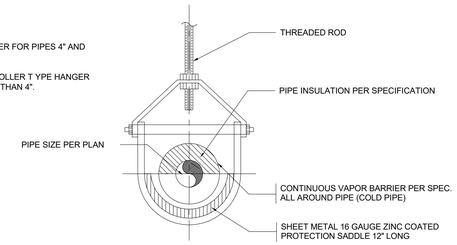


1 P5.03 PIPE PENETRATION IN INTERIOR WALL/FLOOR/CEILING

N.T.S.

NOTES:

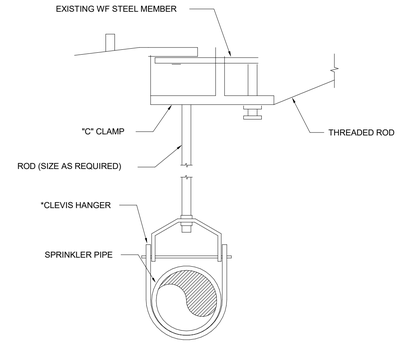
1. CLEVIS TYPE HANGER FOR PIPES 4" AND UNDER.
2. USE TWO RODS & ROLLER T YPE HANGER FOR PIPES LARGER THAN 4".



CLEVIS TYPE HANGER

2 P5.03 PIPE HANGERS FOR HOT WATER PIPING

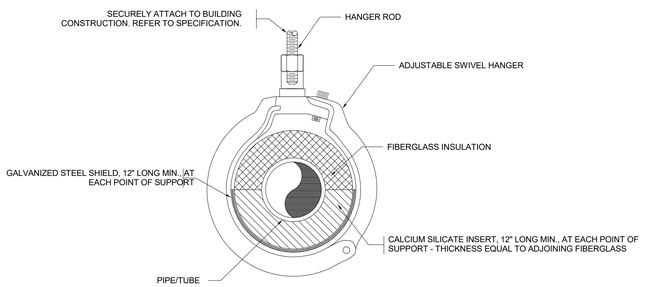
N.T.S.



* CLEVIS HANGER REQUIRED ON PIPING LARGER THAN 1" GENERAL PURPOSE HANGERS MAY BE USED ON 1" SPRINKLER PIPING ONLY.

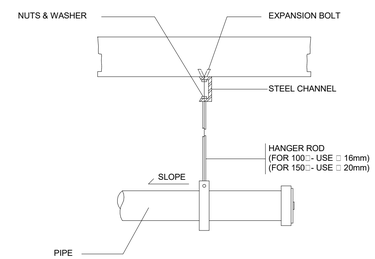
3 P5.03 TYPICAL HANGER DETAIL

N.T.S.



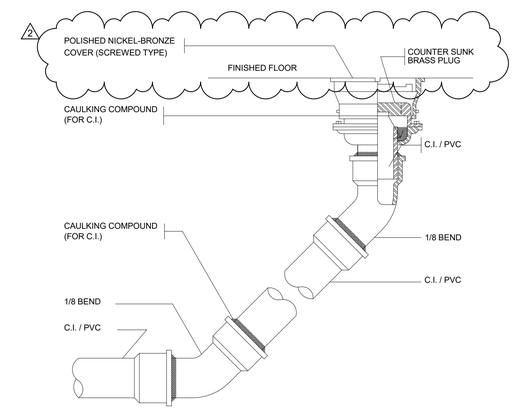
4 P5.03 ADJUSTABLE SWIVEL PIPE SUPPORT FOR INSULATED PIPING/TUBING 1" AND SMALLER

N.T.S.



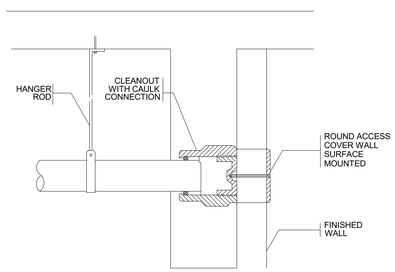
5 P503 CEILING CLEANOUT

N.T.S.



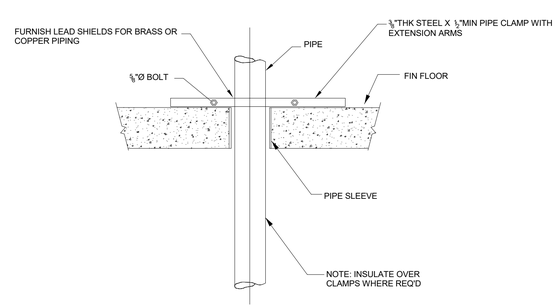
6 P503 FLOOR CLEANOUT

N.T.S.



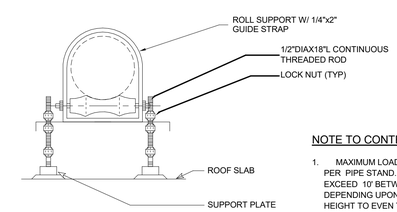
7 P503 WALL CLEANOUT

N.T.S.



8 P503 PIPE RISER SUPPORT DETAIL

N.T.S.



NOTE TO CONTRACTOR:

1. MAXIMUM LOAD WEIGHT NOT TO EXCEED 150LBS PER PIPE STAND. SPACE THE PIPESTANDS NOT TO EXCEED 10' BETWEEN SUPPORTS CENTER DEPENDING UPON THE LOAD ADJUST THE PIPESTAND HEIGHT TO EVEN THE LOAD.
2. DISTANCE OF THE ROOF FROM THE BOTTOM OF THE PIPE SHALL NOT EXCEED 12"-16" 3. SIZE OF PIPE SHALL NOT EXCEED 4"-6" IN DIAMETER.

9 P503 ROOF GAS PIPING SUPPORT

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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07/20/2026
EXP. 09/30/2026

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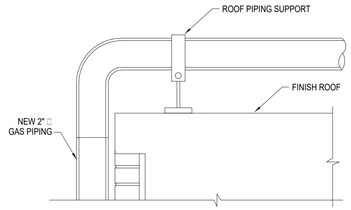
PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:

P&D TYPICAL DETAILS
SHEET NO. 3

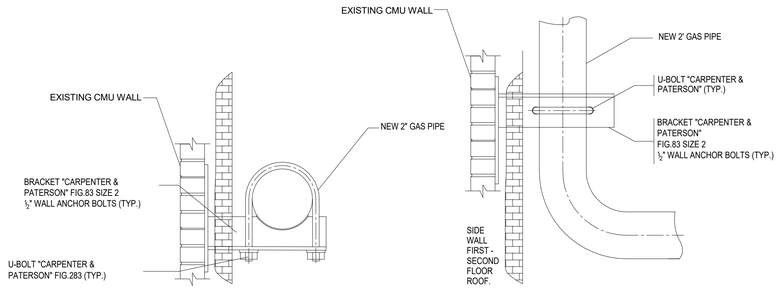
DRAWING NUMBER: P-503

SHEET 162 OF 198



1 / P-504 GAS PIPING DETAIL AT PARAPET

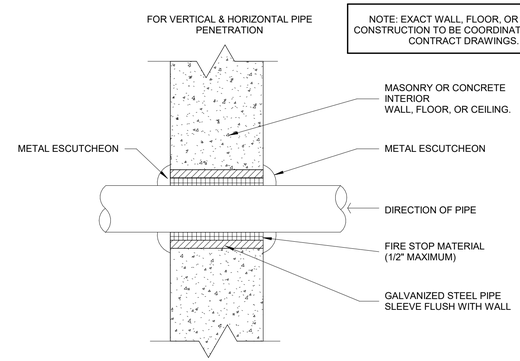
N.T.S.



2 / P504 GAS PIPING SUPPORT DETAILS FROM SIDE WALL

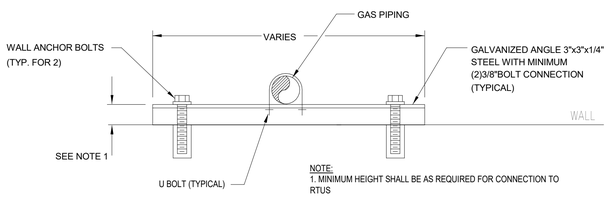
N.T.S.

NOTE: EXACT WALL, FLOOR, OR CEILING CONSTRUCTION TO BE COORDINATED WITH C-CONTRACT DRAWINGS.



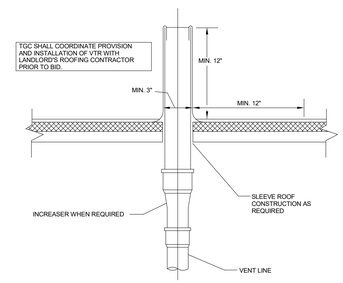
D / 7 / P-504 PIPE PENETRATION IN INTERIOR WALL / FLOOR / CEILING

SCALE: N.T.S.



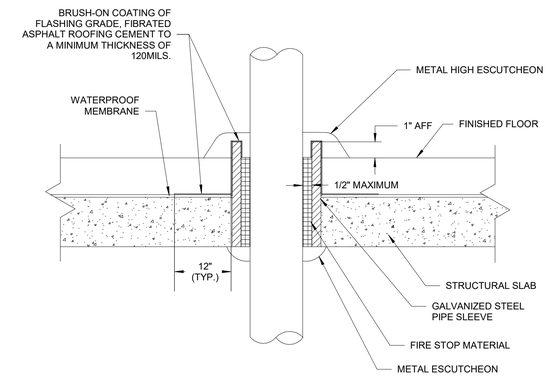
3 / P504 TYPICAL WALL PIPE SUPPORT DETAIL

NOT TO SCALE



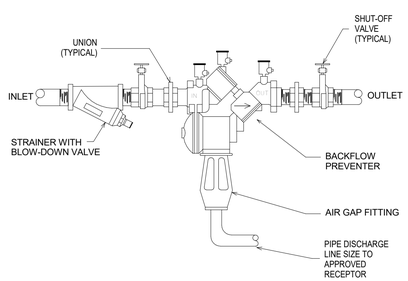
4 / P504 VENT ROOF

N.T.S.



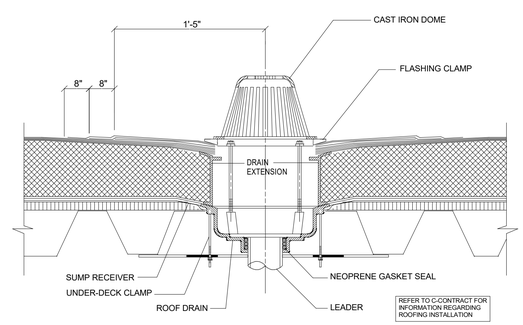
D / 8 / P-504 PIPE PENETRATION - IN WATERPROOF SLAB

SCALE: N.T.S.



5 / P504 REDUCED PRESSURE ZONE ASSEMBLY DETAIL

N.T.S.



6 / P504 DETAIL – ROOF DRAIN

NOT TO SCALE

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

CODE COMPLIANCE STATEMENTS

ENERGY CODE STATEMENT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	RR
DRAWN BY:	RR
FIELD CHECK:	HS/KT
APPROVED:	HS

SHEET TITLE:

P&D TYPICAL DETAILS
SHEET NO. 4

DRAWING NUMBER:

P-504

SHEET 163 OF 198

FIRE PROTECTION ABBREVIATIONS

ACC	ACCESS
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASSY	ASSEMBLY
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOD	BASIS OF DESIGN
BOT	BOTTOM
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION/CONNECT
CONTR	CONTRACTOR
CORR	CORRIDOR
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DEG	DEGREES
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EC	EXTENDED COVERAGE
ELEV/EL	ELEVATION
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCA	FLOOR CONTROL ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FLG	FLANGE
FLR	FLOOR
FPM	FEET PER MINUTE
FSCP	FOAM SYSTEM CONTROL PANEL
FT	FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HEF	HIGH EXPANSION FOAM
HP	HORSEPOWER/HIGH POINT
HR	HOUR
HT	HIGH TEMPERATURE
HVLS	HIGH VOLUME LOW SPEED
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IN	INCHES
IT	INTERMEDIATE TEMPERATURE
KV	KILOVOLT
KW	KILOWATTS
KWH	KILOWATT HOURS
LBS	POUNDS
LTG	LIGHTING
MAX	MAXIMUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM/MINUTE
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MTD	MOUNTED
MTG	MOUNTING
NO	NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NRS	NON-RISING STEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OS&Y	OUTSIDE SCREW & YOKE
OT	ORDINARY TEMPERATURE
PH	PHASE
PIV	POST INDICATING VALVE
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQ INCH GAUGE
QR	QUICK RESPONSE
RAD	RADIUS
REQD	REQUIRED
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE BACKFLOW...
SHT	SHEET
SPEC	SPECIFICATION
SPK	SPRINKLER
SQ	SQUARE
SR	STANDARD RESPONSE
TEMP	TEMPERATURE
TOB	TOP OF BEAM
TOD	TOP OF DECK
TOJ	TOP OF JOIST
TOS	TOP OF SLAB/TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VOL	VOLUME
W/	WITH
W/O	WITHOUT
WP	WEATHER-PROOF
XP	EXPLOSION-PROOF

FIRE PROTECTION SCOPE OF WORK

1. PROVIDE A FIRE SPRINKLER SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED BELOW, AND AS INDICATED ON THE CONTRACT DRAWINGS AND THE CONTRACT SPECIFICATIONS. THE CONTRACT DOCUMENT ESTABLISH ENGINEERING DESIGN PRECEDENCE.
2. INSTALL THE SYSTEM SO THAT IT IS COMPLIANT WITH THE APPLICABLE CODES AND STANDARDS, INCLUDING THOSE NOTED ON THIS SHEET.
   A. WHERE CONFLICTS OR DISCREPANCIES OCCUR BETWEEN CONTRACT DRAWINGS, SPECIFICATIONS, AND REFERENCED CODES AND STANDARDS, THE MOST STRINGENT REQUIREMENTS SHALL APPLY TO THE CONTRACT.
3. REMOVE EXISTING SYSTEMS WHERE INDICATED ON THESE DRAWINGS, INCLUDING ALL ANCILLARY SYSTEM COMPONENTS.
4. PROVIDE PRODUCT SUBMITTALS, SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR REVIEW AND APPROVAL IN ACCORDANCE WITH NFPA-13. REFER TO THE HYDRAULIC CALCULATIONS NOTES.
5. PROVIDE HANGING AND SUPPORT IN ACCORDANCE WITH NFPA-13. SEISMIC DESIGN CATEGORY IS B; SEISMIC BRACING IS NOT REQUIRED.
6. PROVIDE SPARE SPRINKLER CABINET, SPARE SPRINKLERS, SPRINKLER WRENCH(S) AND A LIST OF INSTALLED SPRINKLERS IN ACCORDANCE WITH NFPA-13
7. PROVIDE ACCEPTANCE TESTING OF THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA-13 REQUIREMENTS.
8. PROVIDE OPERATION AND MAINTENANCE (O&M) MANUAL UPON COMPLETION OF WORK. O&M MANUAL SHALL CONSIST OF AS-BUILT DRAWINGS, AS-BUILT HYDRAULIC CALCULATIONS, SYSTEM PRODUCT SUBMITTALS, AND INSTALLING CONTRACTOR'S QUALIFICATIONS AND CONTACT INFORMATION. AS-BUILT DRAWINGS SHALL BE AVAILABLE IN PDF AND AUTOCAD FORMATS.

APPLICABLE CODES AND STANDARDS

ALL WORK SHALL COMPLY WITH OSHA AND THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, WHICH INCLUDES AND REFERENCES THE FOLLOWING:
1. BCNYS, BUILDING CODE OF NEW YORK STATE, 2020
2. FCNYS, FIRE CODE OF NEW YORK STATE, 2020
3. EBCNYS, EXISTING BUILDING CODE OF NEW YORK STATE, 2020
4. NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016
5. NFPA 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, 2016
6. NFPA 70, NATIONAL ELECTRIC CODE, 2017
7. NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2016

ADDITIONALLY, COMPLY WITH THE FOLLOWING REQUIREMENTS DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO:
1. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
2. 2020 BCNYS, CHAPTER 33 - SAFEGUARDS DURING CONSTRUCTION
3. 2020 EBCNYS, CHAPTER 15 - CONSTRUCTION SAFEGUARDS
4. 2020 FCNYS, CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

REFER TO SPECIFICATION SECTION 014100 REGULATORY REQUIREMENTS FOR ADDITIONAL INFORMATION. DEMONSTRATE COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE SITE SPECIFIC SAFETY PLAN REQUIRED PER SPECIFICATION SECTION OF 011100.

HYDRAULIC CALCULATIONS

1. SUBMIT HYDRAULIC CALCULATIONS FOR REVIEW AND APPROVAL AS DESCRIBED IN THIS SECTION.
2. PERFORM AND WITNESS A HYDRANT FLOW TEST WHICH WILL BE USED FOR CONTRACTOR'S HYDRAULIC CALCULATIONS. FLOW TEST MUST BE PERFORMED WITHIN 12 MONTHS OF CONTRACTOR'S HYDRAULIC CALCULATIONS PER NFPA 13.
3. REFER TO FLOOR PLANS FOR OCCUPANCY HAZARD CLASSIFICATIONS OF EACH SPACE PER NFPA 13. OFFICES, CORRDIORS, RESTROOMS, AND GENERAL USE AREAS SHALL BE LIGHT HAZARD. JANITOR AND MECHANICAL SPACES SHALL BE ORDINARY HAZARD GROUP 1. STORAGE ROOMS SHALL BE ORDINARY HAZARD GROUP 2 UNLESS OTHERWISE INDICATED. AREAS LABELED AS "STORAGE" ARE DESIGNED SPECIFICALLY PER THE STORAGE NOTES ON THIS SHEET.
4. PERFORM HYDRAULIC CALCULATIONS IN ACCORDANCE WITH NFPA 13 REQUIREMENTS FOR HYDRAULICALLY DESIGNED (DENSITY/AREA METHOD) SPRINKLER SYSTEMS.
5. THE SIZE OF THE HYDRAULIC REMOTE AREA IS PERMITTED TO BE REDUCED ON WET PIPE SPRINKLER SYSTEMS PER NFPA 13 REQUIREMENTS WHERE QUICK RESPONSE SPRINKLERS ARE INSTALLED AND THE MAXIMUM CEILING HEIGHT DOES NOT EXCEED 20'-0"
6. DO NOT COMMENCE CONSTRUCTION UNTIL CONTRACTOR'S SHOP DRAWINGS AND HYDRAULIC CALCULATIONS HAVE BEEN APPROVED BY THE ENGINEER IN ACCORDANCE WITH NFPA 13.
7. PROVIDE ADDITIONAL HYDRAULIC CALCULATIONS AS REQUESTED DURING THE SUBMITTAL REVIEW AND INSTALLATION PROCESS.
8. OUTDOOR HOSE ALLOWANCES SHALL BE INCLUDED IN HYDRAULIC CALCULATIONS AT THE POINT OF CONNECTION OF THE BUILDING SPRINKLER WATER SERVICE ENTRANCE MAIN TO THE CITY WATER SUPPLY, OR AT THE LOCATION OF THE NEAREST HYDRANT, WHICHEVER IS CLOSER TO THE SPRINKLER SYSTEM RISER.

FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA

HAZARD CLASSIFICATION (REFER TO DWGS FOR LOCATIONS)	SYSTEM TYPE	DENSITY GPM/SF	DESIGN AREA SQ FT	MAXIMUM AREA PER SPRINKLER SQ FT	HOSE DEMAND GPM	NOTES
LIGHT HAZARD (LH)	WET	0.10	1500	225	100	1
ORDINARY HAZARD GROUP 1 (OH1)	WET	0.15	1500	130	250	1
ORDINARY HAZARD GROUP 2 (OH2)	WET	0.20	1500	130	250	1

NOTE 1: DESIGN AREA PERMITTED TO BE REDUCED FOR THE USE OF QUICK-RESPONSE SPRINKLERS PER NFPA 13 11.2.3.2.3.1 WHERE CEILING HEIGHTS DO NOT EXCEED 20 FT

FIRE PROTECTION GENERAL NOTES

1. INSTALLATION WORK SHALL NOT PROCEED UNTIL SUBMITTALS HAVE BEEN RECEIVED, PROCESSED AND APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND THE PROJECTS SPECIFICATIONS.
2. ALL VALVES ON THE FIRE PROTECTION SYSTEM TO BE ELECTRICALLY SUPERVISED. TYPE AND EXACT LOCATION OF FLOW, PRESSURE AND SUPERVISORY SWITCHES SHALL BE ACCOMPLISHED BETWEEN THE DIFFERENT RESPONSIBLE TRADES.
3. PROVIDE MAIN WATER FLOW MONITORING DEVICE ON THE FIRE PROTECTION SIDE OF SERVICE ENTRANCE, PRIOR TO ANY TEE OFFS FOR SYSTEM RISERS, FDC, TEST CONNECTIONS, ETC. CONTRACTOR IS RESPONSIBLE FOR THE ADDITION AND DELETION OF ALL WATER FLOW SWITCHES IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS, AS PART OF THIS CONTRACT BASED ON THE CONTRACTOR'S WORKING DRAWINGS.
4. THE BASE BUILDING "CONTRACT DRAWINGS" AND "SPECIFICATIONS" INCLUDING ALL RESPECTIVE ADDENDA AND BULLETINS SHALL FORM A PART OF THIS WORK, AND ALL WORK SHALL BE SUBJECT TO RESPECTIVE PROVISIONS THEREOF.
5. REFER TO ARCHITECTURAL DRAWINGS FOR HUNG CEILING HEIGHTS AND CONSTRUCTION. WHERE WORK BETWEEN THIS DRAWING AND C-CONTRACT WORK IS IN CONFLICT, ADVISE PRIOR TO INSTALLATION OF PIPING.
6. COORDINATE WORK WITH ALL OTHER TRADES. NOTIFY DIRECTOR'S REPRESENTATIVE TO AVOID CONFLICTS.
7. ADJUST AND/OR ADD SPRINKLERS AS REQUIRED UTILIZING ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF LIGHTS, DIFFUSERS, CABLE TRAYS, DUCTWORK, ETC.
8. LAYOUT OF SPRINKLERS AND HYDRAULICS CALCULATIONS ARE FOR AUTHORITY HAVING JURISDICTION USE ONLY. PREPARE FINAL SPRINKLER LAYOUT AND SHOP DRAWINGS INCLUDING HYDRAULIC CALCULATIONS AND OBTAIN ALL APPROVALS AS REQUIRED.
9. DO NOT INSTALL ANY SPRINKLER PIPING THAT WILL INTERFERE WITH THE MAINTENANCE/REMOVAL OF HVAC EQUIPMENT.
10. DETERMINE BEST LOCATION FOR ROUTING/RE-ROUTING ALL ASSOCIATED SPRINKLER LINES. PIPE ROUTING SHOWN SHALL BE USED WHERE POSSIBLE, AND ANY ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR PROPER INSTALLATION, COORDINATION WITH OTHER TRADES, AND/OR TO MAINTAIN PROPER CLEARANCES SHALL BE PROVIDED. VERIFY EXISTING STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND AVOID ANY/ALL OBSTRUCTIONS OR INTERFERENCES WITH FIRE PROTECTION PIPE ROUTING.
11. ALL SPRINKLERS MOUNTED IN CEILING SHALL BE LOCATED A MINIMUM OF 4" AWAY FROM ANY WALLS, CEILING HEIGHT CHANGES OR ANY OTHER VERTICAL INTERSECTING SURFACE.
12. PROVIDE SPRINKLERS ABOVE AND BELOW EXPOSED DUCTWORK OR OTHER OBSTRUCTIONS OVER 4 FEET IN WIDTH. FOR DUCTWORK LOCATED AGAINST WALLS, PROVIDE ADDITIONAL SPRINKLERS AS NEEDED IN ACCORDANCE WITH NFPA-13 REQUIREMENTS FOR OBSTRUCTIONS AGAINST WALLS. PROVIDE HEAD GUARDS WITH WATER SHIELDS FOR ALL SPRINKLERS INSTALLED BELOW EXPOSED DUCTWORK/OBSTRUCTIONS.
13. CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS TO BE DONE ONLY WITH THE WRITTEN APPROVAL OF THE DIRECTOR'S REPRESENTATIVE.
14. FIRESTOPPING ALL PENETRATIONS OF ALL FIRE-RATED CONSTRUCTION BY C-CONTRACT.
15. METHODS OF HANGING PIPES, HEADERS AND BRANCHES SHALL BE IN ACCORDANCE WITH NFPA-13.
16. ALL VALVES FOR FIRE SERVICE SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC. AND THE FACTORY MUTUAL LABORATORIES. VALVES SHALL BE FACTORY MARKED "UL" AND "FM", 175 PSI WORKING PRESSURE.
17. ALL SPRINKLER SYSTEM MONITORING DEVICES PROVIDED BY P-CONTRACTOR. WIRING AND PROGRAMMING BY E-CONTRACTOR.
18. SPRINKLERS SHALL COVER THE ENTIRE AREA OF THE ROOM INCLUDING ALCOVES. SPRAY SHALL NOT BE BLOCKED BY WALLS OR PARTITIONS.
19. MAINTAIN A MINIMUM OF 18 INCHES FROM THE BOTTOM OF THE SPRINKLER DEFLECTOR TO THE TOP OF STORAGE/FILE STORAGE.
20. ALL FIRE PROTECTION SYSTEMS ARE SHOWN SCHEMATICALLY. IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL LISTED COMPONENTS, SUCH AS PIPING, FITTINGS, VALVES, ETC. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SYSTEM PER APPLICABLE CODES.
21. PROVIDE A PERMANENTLY ATTACHED HYDRAULIC DESIGN INFORMATION SIGN STATING THE REQUIRED DESIGN CRITERIA FOR EACH HYDRAULICALLY DESIGNED SYSTEM.
22. INSPECTOR'S TEST VALVE SHALL NOT EXCEED 7 FEET ABOVE THE FINISHED FLOOR.
23. PROVIDE ADEQUATE DRAINAGE FOR THE ENTIRE SPRINKLER SYSTEM AS REQUIRED BY NFPA-13, COORDINATED WITH ALL APPLICABLE BUILDING SYSTEMS. PROVIDE LOW POINT AND AUXILIARY DRAINS FOR ALL TRAPPED PIPE PER NFPA-13 REQUIREMENTS.
24. PIPE ALL AUTO BALL DRIPS TO EXTERIOR WITH GALVANIZED PIPING.
25. ALL TAMPER AND FLOW SWITCHES TO BE PROVIDED BY P-CONTRACT. WIRING, CONDUIT, CONNECTION TO FIRE ALARM AND PROGRAMMING TO BE PROVIDED BY E-CONTRACT.
26. ALL EXPOSED FIRE PROTECTION PIPING SHALL BE FINISH PAINTED BY C-CONTRACT PER SPECIFICATION 099123, SEE G-SERIES DRAWINGS FOR LOCATIONS.

STORAGE NOTES

1. HHC STORAGE 111 AND C-COMPANY STORAGE 116 ARE USED FOR SHELF STORAGE OF CLASS I-IV AND GROUP A PLASTIC COMMODITIES. STORAGE IN THESE ROOMS DO NOT MEET THE DEFINITION OF MISCELLANEOUS STORAGE. STORAGE OF CLASS I-IV UP TO 12 FT AND GROUP A PLASTICS UP TO 5 FT IS PERMITTED USING ORDINARY HAZARD GROUP 2 CRITERIA, CLASSIFIED AS LOW-PILED STORAGE PER NFPA 13.
2. ANY STORAGE OF GROUP A PLASTICS HIGHER THAN 5 FT WOULD REQUIRE EXTRA HAZARD GROUP 2 CRITERIA. USING THE CURRENTLY AVAILABLE HYDRANT FLOW TEST DATA, EXTRA HAZARD GROUP 2 DESIGN CRITERIA CANNOT BE SUPPORTED. THEREFORE, **STORAGE OF GROUP A PLASTICS MUST BE LIMITED TO 5 FT IN HEIGHT IN THESE ROOMS. SHELVING OR FLOOR PILED STORAGE AREAS USED FOR PLASTICS MUST BE LIMITED TO 5 FT IN HEIGHT, I.E. 5 FT OF PLASTIC STORAGE WITH 7 FT OF CLASS I-IV STORAGE ABOVE DOES NOT COMPLY.**
3. ENGINEERING CONTROLS MUST BE UTILIZED BY THE FACILITY/DIRECTOR'S REPRESENTATIVE TO ENSURE STORAGE MINIMUMS ARE NOT EXCEEDED. STORAGE LIMITATIONS APPLY TO HHC STORAGE 111 AND C-COMPANY STORAGE 116, WHICH MAY UTILIZE EXTING SHELVING THAT COULD PERMIT STORAGE OF PLASTICS EXCEEDING 5 FT. DIRECTOR'S REPRESENTATIVE TO PROVIDE OWNER'S CERTIFICATE PER NFPA 13. RECOMMENDED PRACTICES TO BE EMPLOYED BY THE FACILITY INCLUDE SEGREGATION OF PLASTIC CONTAINERS TO SEPARATE AREAS AND OR SIGNAGE ON DOORS/CAGES ENTERING STORAGE AREAS WITH RAILS AT 5' AND SIGNING INDICATING STORAGE LIMITED TO 5' IF PLASTICS ARE PRESENT.

WATER SUPPLY DATA

STATIC PRESSURE	78 PSI
RESIDUAL PRESSURE	58 PSI
FLOW	500 GPM
CONDUCTED BY	CITY OF YONKERS
WITNESSED BY	NICOLAS CICCHETTI
TEST DATE	04/23/2025
TEST TIME	9 AM
LOCATION	2 QUINCY PLACE
HYDRANT NUMBERS	1990 (PRESSURE), 1125(FLOW)
HYDRANT ELEVATION	-

WITNESS A HYDRANT FLOW TEST FOR USE IN HYDRAULIC CALCULATIONS. IT IS ASSUMED HYDRANT 1990 IS SUPPLIED FROM THE SAME WATER LINE AS THE BUILDING SPRINKLER SYSTEM. DO NOT UTILIZE HYDRANT FLOW DATA FROM WARBURTON OR N BROADWAY. ALL CALCULATIONS SHALL UTILIZE THE LOWEST AVAILABLE FLOW AND PRESSURE DATA.

FIRE PROTECTION NOTES AND SYMBOLS LEGEND

- LIMIT OF REMOVAL
- CONNECT TO EXISTING
- PROVIDE FIRE PROTECTION PIPING
- ETR PROTECTION PIPING
- REMOVE FIRE PROTECTION PIPING
- PIPE UP
- PIPE DOWN
- RISER NIPPLE
- TS — TAMPER SWITCH - NC INDICATES SUPERVISED NORMALLY CLOSED
- WFS — WATER FLOW SWITCH
- REMOVE SPRINKLER. SEE SPRINKLER SCHEDULE FOR ADDITIONAL SPRINKLER SYMBOLS

AUTOMATIC SPRINKLER SCHEDULE

Symbol	Type	NPT Thread Size	K-Factor	Orientation	Temperature Rating	Response Rating	Coverage	Sprinkler Finish	Count
◉	Pendent w/ Standard Escutcheon	1/2"	5.6	Pendent	INTERMEDIATE	QUICK	Standard	Brass (FP)	15
●	Concealed Pendent	1/2"	5.6	Pendent	INTERMEDIATE	QUICK	Standard	White (FP)	157
△	Dry Horizontal Sidewall	1/2"	5.6	Horizontal Sidewall	INTERMEDIATE	QUICK	Standard	White (FP)	1
⊘	8.0 Upright	1/2"	8	Upright	INTERMEDIATE	QUICK	Standard	Brass (FP)	91
○	Upright	1/2"	5.6	Upright	INTERMEDIATE	QUICK	Standard	Brass (FP)	61

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

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STATE OF NEW YORK · NICHOLAS RAYMOND CICCHETTI · 079487 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

Reg. Exp. 7/31/2029

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

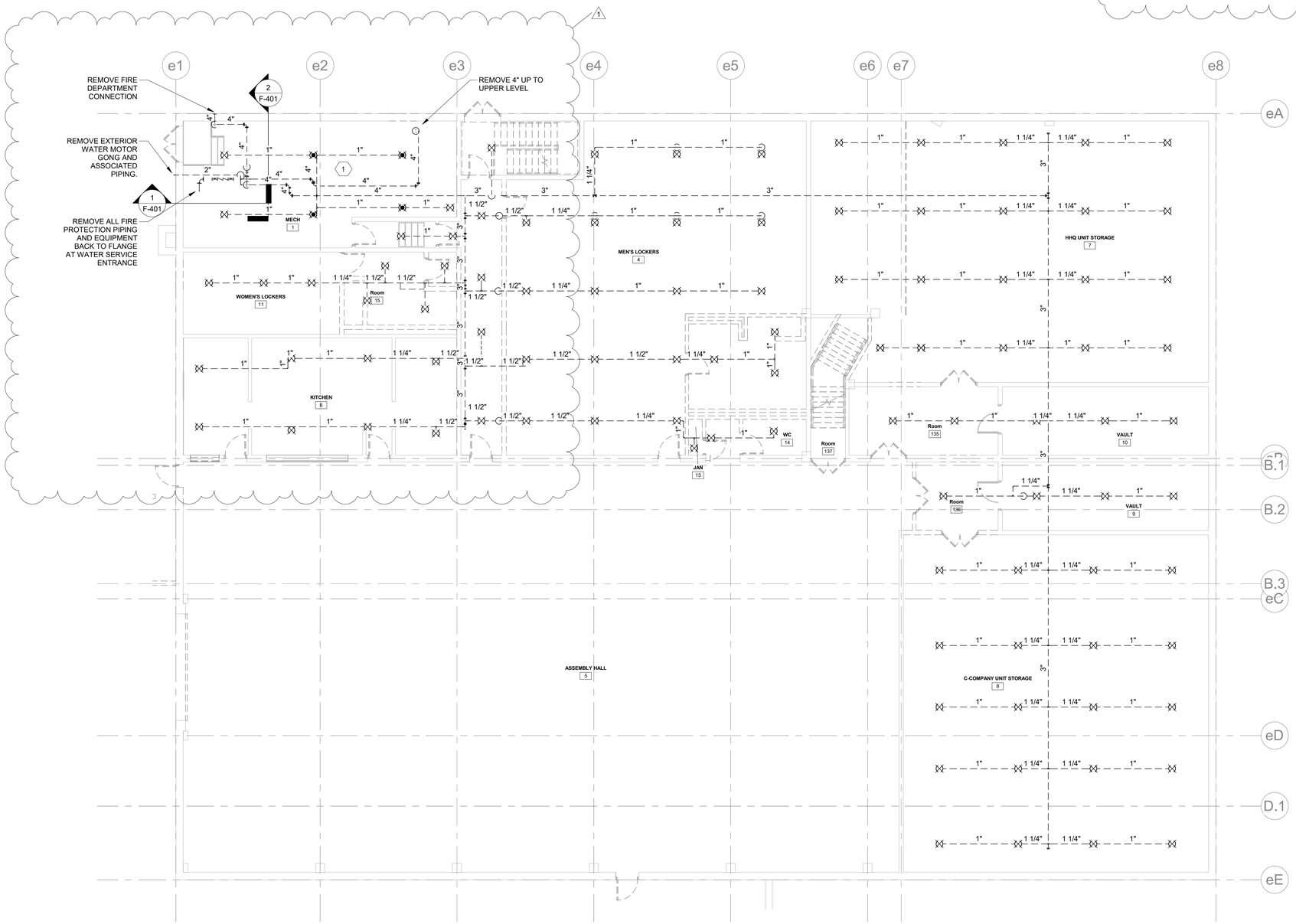
PROJECT NUMBER:	47477-P
DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

SHEET TITLE: FIRE PROTECTION NOTES AND SYMBOLS

DRAWING NUMBER: F-001

GENERAL NOTES:

1. REMOVE ALL SPRINKLER PIPING, HANGERS, SPRINKLERS AND OTHER COMPONENTS THROUGHOUT THE WORK AREA.



1 **LOWER LEVEL FIRE PROTECTION REMOVALS PLAN**
1/8" = 1'-0"

PLAN NORTH

0' 4' 8' 16' 32'

NEW YORK STATE Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

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STATE OF NEW YORK · DOUGLAS RAYMOND · 079487 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

Reg. Exp. 7/31/2029

CONTRACT:
PLUMBING

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
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DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

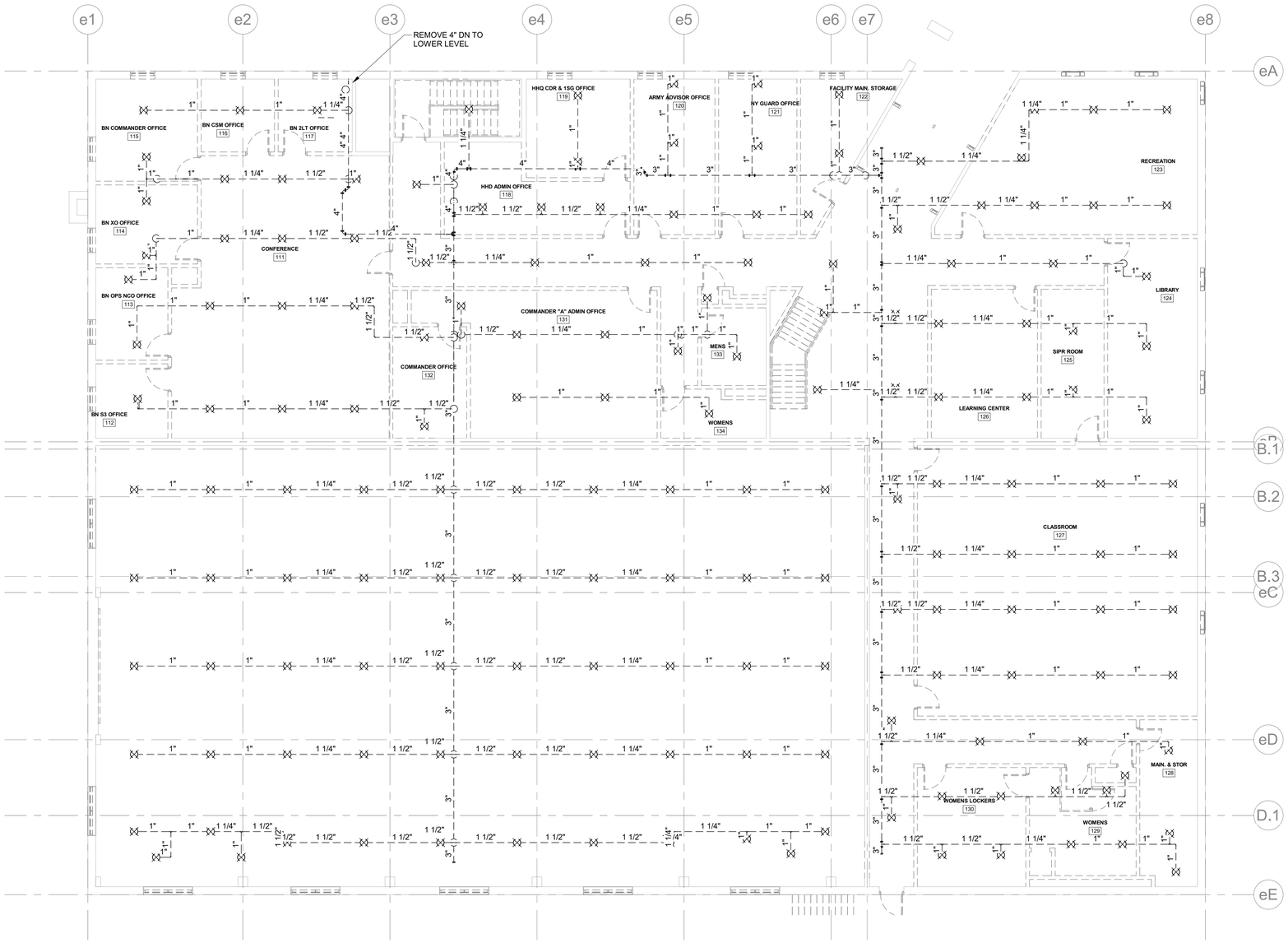
SHEET TITLE:
LOWER LEVEL FIRE PROTECTION REMOVALS PLAN

DRAWING NUMBER:
FD-101

SHEET 165 OF 198

GENERAL NOTES:

1. REMOVE ALL SPRINKLER PIPING, HANGERS, SPRINKLERS AND OTHER COMPONENTS THROUGHOUT THE WORK AREA.



1 **UPPER LEVEL FIRE PROTECTION REMOVALS PLAN**
1/8" = 1'-0"

PLAN NORTH

0' 4' 8' 16' 32'

NEW YORK STATE Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

ENERGY CODE COMPLIANCE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

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STATE OF NEW YORK · DOUGLAS RAYMOND · 079487 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

Reg. Exp. 7/31/2029

CONTRACT:
PLUMBING

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-P
DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

SHEET TITLE:
UPPER LEVEL FIRE PROTECTION REMOVALS PLAN

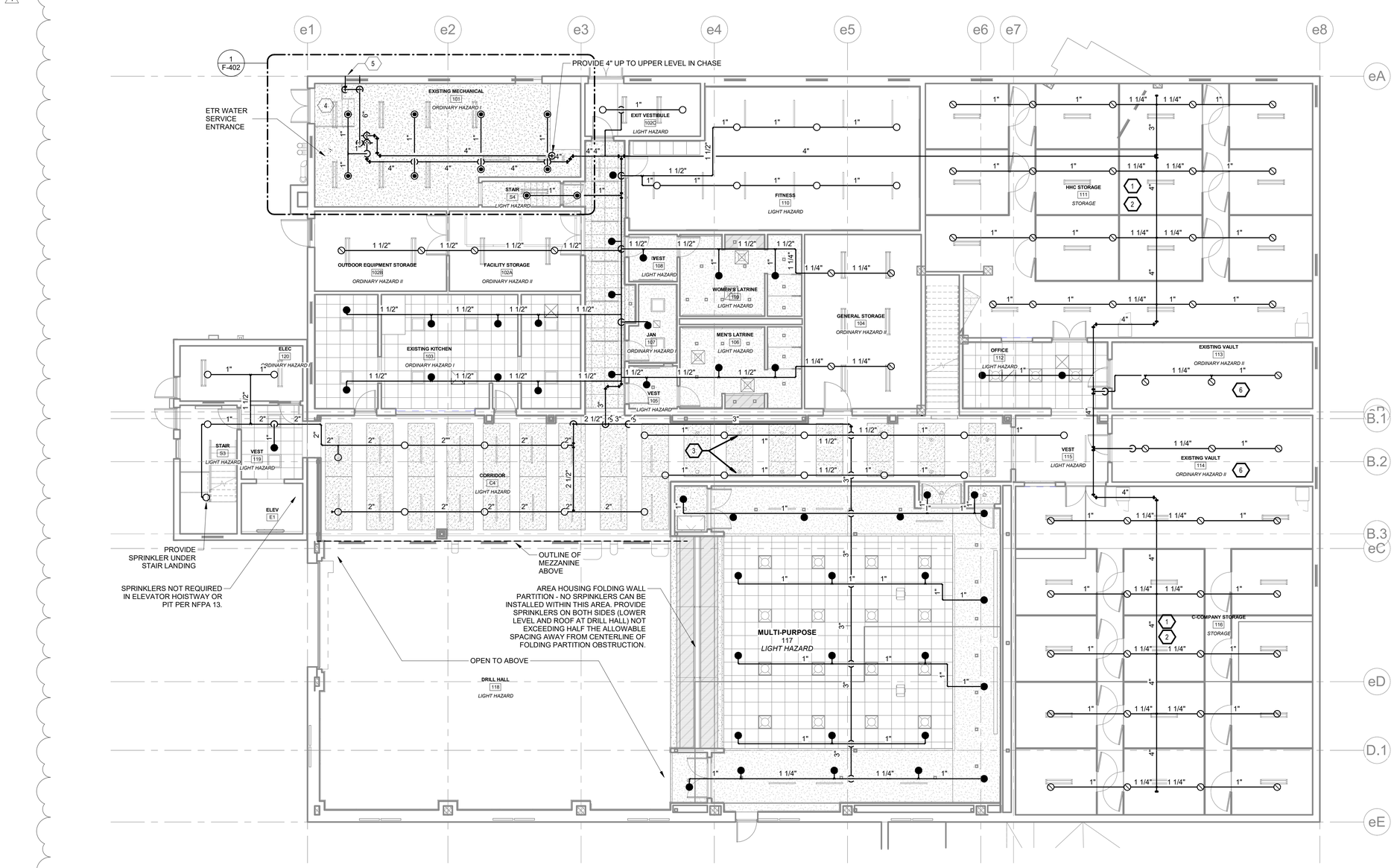
DRAWING NUMBER:
FD-102

GENERAL NOTES:

1. IN AREAS WITH OPEN CEILINGS, ENSURE SPRINKLER DEFLECTORS ARE LOCATED AT LEAST 18 INCHES ABOVE ADJACENT LIGHT FIXTURES OR COMPLY WITH NFPA 13 OBSTRUCTION RULES. COORDINATE WITH E-CONTRACT AND FINAL LIGHT FIXTURE SELECTIONS.
2. COORDINATE SPRINKLER LAYOUT WITH ALL APPLICABLE TRADES.

KEYED NOTES:

1. ALL SPRINKLER PIPING PENETRATIONS THRU SECURITY CAGES IN THIS AREA SHALL BE COORDINATED WITH CAGE MFG. COORDINATE WITH MFG BASED ON FINAL SPRINKLER SHOP DRAWING PIPING LOCATIONS.
2. STORAGE OF GROUP A PLASTIC COMMODITIES MUST BE LIMITED TO 5 FEET IN HEIGHT OR LESS IN THESE AREAS.
3. PROVIDE LINE OF SPRINKLERS ON BOTH SIDES OF CONTINUOUS DUCTWORK OBSTRUCTION.
4. STAIR LANDING IS NONCOMBUSTIBLE FIXED OBSTRUCTION LESS THAN 24" ABOVE FLOOR - SPRINKLER PROTECTION NOT REQUIRED BENEATH.
5. LOCATION OF SPRINKLER SYSTEM FIRE DEPARTMENT CONNECTION.
6. INSTALL SPRINKLER PIPING BELOW ETR CEILING.



1 LOWER LEVEL FIRE PROTECTION PLAN
1/8" = 1'-0"

PLAN NORTH

0' 4' 8' 16' 32'

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

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07/20/2026

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TITLE:
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LOCATION:
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CLIENT:
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	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-P

DESIGNED BY: S. FEENEY
DRAWN BY: J. RIOS
FIELD CHECK: S. FEENEY
APPROVED: D. NADEAU

SHEET TITLE:
LOWER LEVEL FIRE PROTECTION PLAN

DRAWING NUMBER:
F-101

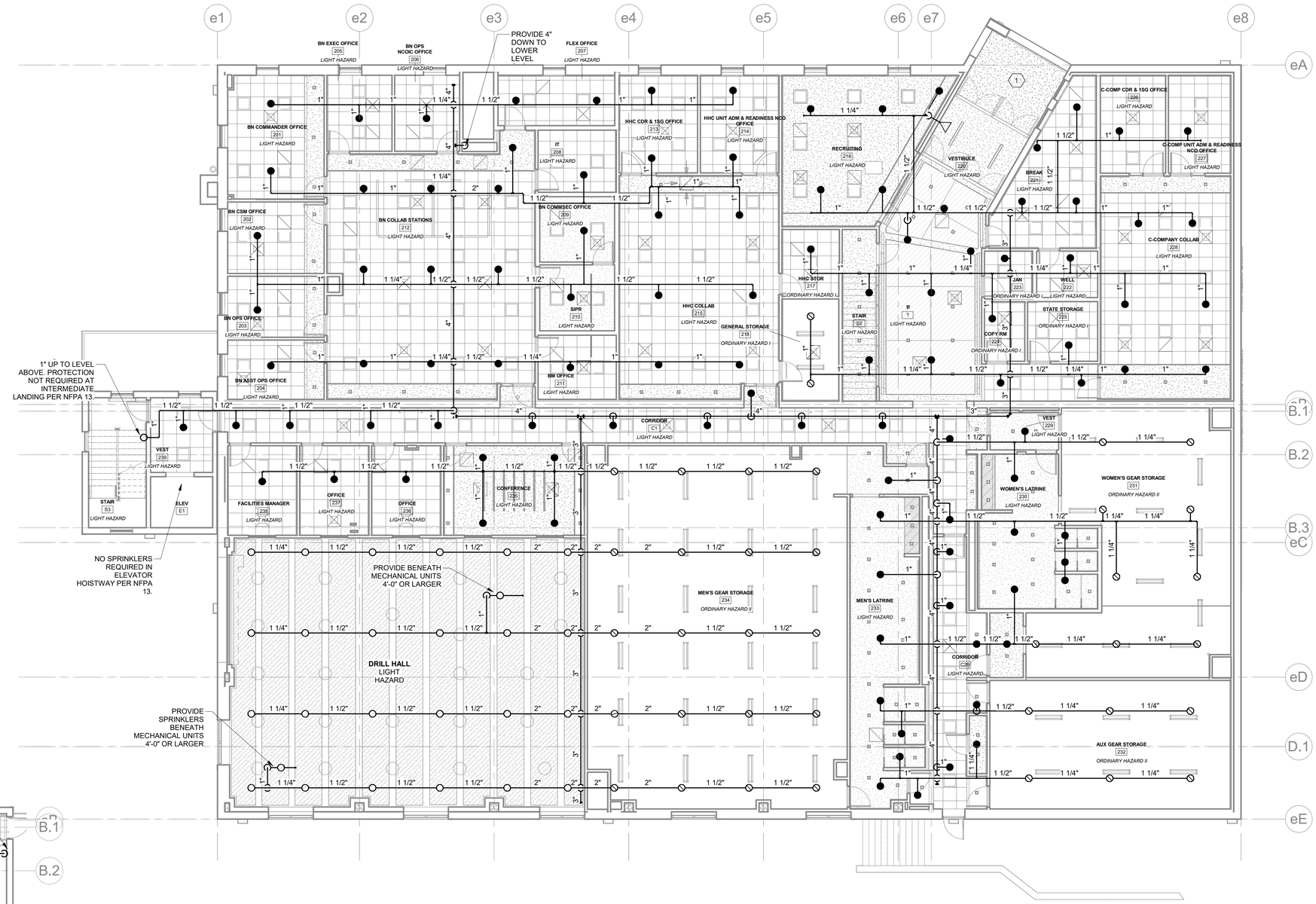
SHEET 167 OF 198

GENERAL NOTES:

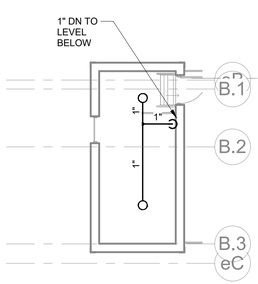
1. IN AREAS WITH OPEN CEILINGS, ENSURE SPRINKLER DEFLECTORS ARE LOCATED AT LEAST 18 INCHES ABOVE ADJACENT LIGHT FIXTURES OR COMPLY WITH NFPA 13 OBSTRUCTION RULES. COORDINATE WITH E-CONTRACT AND FINAL LIGHT FIXTURE SELECTIONS.
2. COORDINATE SPRINKLER LAYOUT WITH ALL APPLICABLE TRADES.

KEYED NOTES:

1. SPRINKLER PROTECTION NOT REQUIRED FOR NONCOMBUSTIBLE EXTERIOR OVERHANG.



1 UPPER LEVEL FIRE PROTECTION PLAN
1/8" = 1'-0"



2 STAIR S3 - ROOF LEVEL
1/8" = 1'-0"

PLAN NORTH

0' 4' 8' 16' 32'

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

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07/20/2026

Reg. Exp. 7/31/2029

CONTRACT: PLUMBING

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-P

DESIGNED BY: S. FEENEY

DRAWN BY: J. RIOS

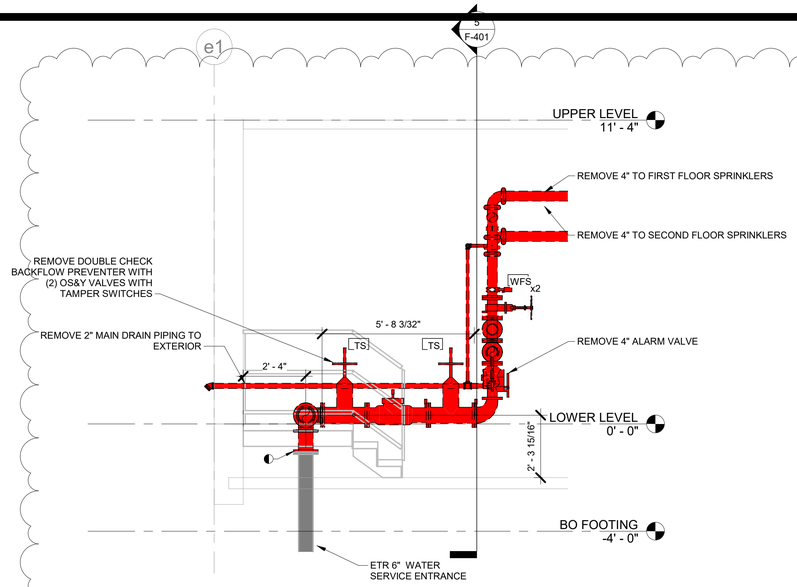
FIELD CHECK: S. FEENEY

APPROVED: D. NADEAU

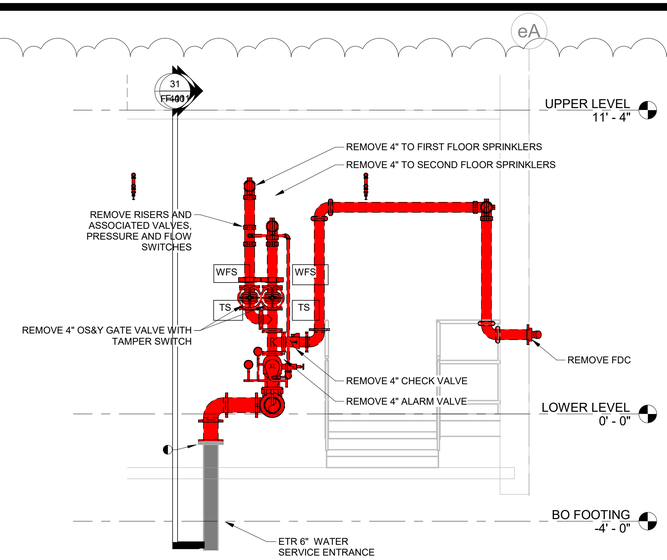
SHEET TITLE: UPPER LEVEL FIRE PROTECTION PLAN

DRAWING NUMBER: F-102

SHEET 168 OF 198

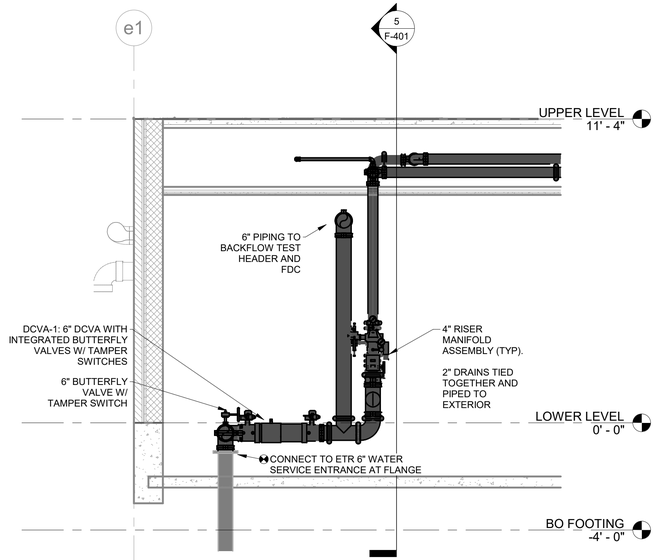


1 **FIRE PROTECTION WATER SERVICE ENTRANCE REMOVALS - SECTION**
3/8" = 1'-0"

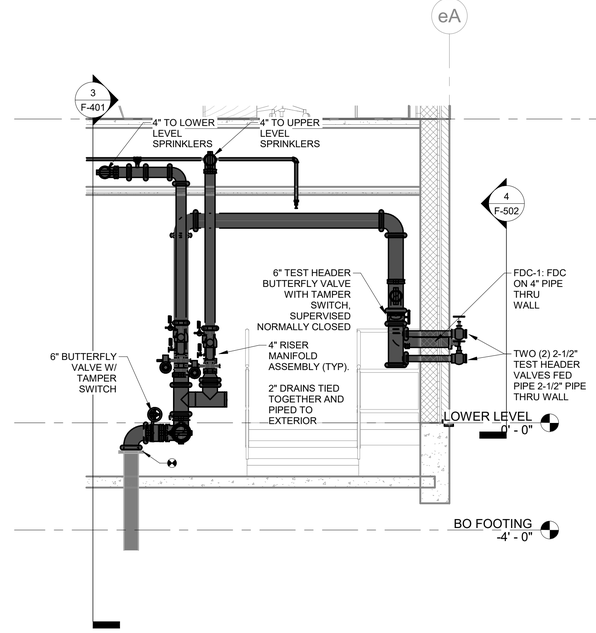


2 **FIRE PROTECTION WATER SERVICE ENTRANCE REMOVALS - SECTION 2**
3/8" = 1'-0"

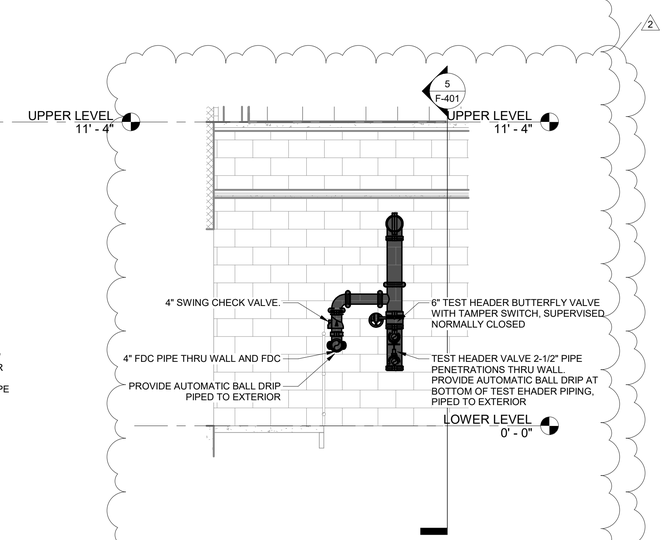
NOTES:
1. REMOVAL ALL SPRINKLER MONITORING DEVICES AS INDICATED ON THESE PLANS, INCLUDING SPRINKLER WATER FLOW, TAMPER, AND PRESSURE SWITCHES. REMOVAL OF ASSOCIATED WIRING AND CONDUIT BY E-CONTRACTOR.
2. PROVIDE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES AS INDICATED ON THESE DRAWINGS. WIRING, CONDUIT, AND PROGRAMMING AND TESTING OF FLOW AND TAMPER SWITCHES BY E-CONTRACTOR.



3 **FIRE PROTECTION RISER ELEVATION**
3/8" = 1'-0"



5 **FIRE PROTECTION RISER ELEVATION 2**
3/8" = 1'-0"



4 **FDC AND TEST HEADER ELEVATION**
3/8" = 1'-0"

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
bell & spina ARCHITECTS
RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

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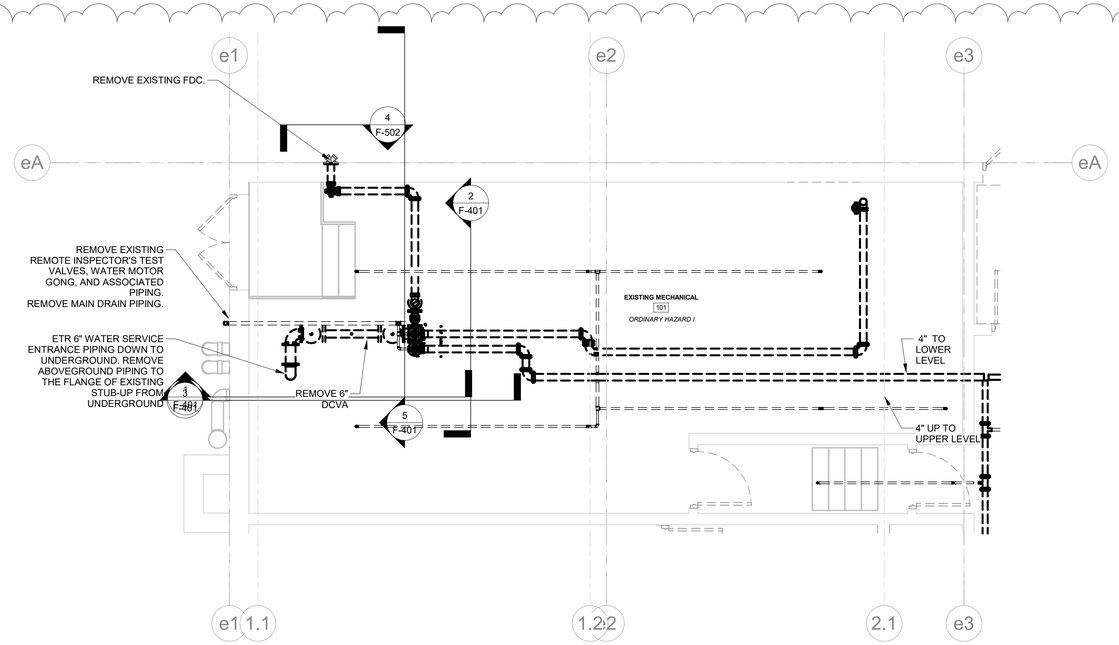
DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

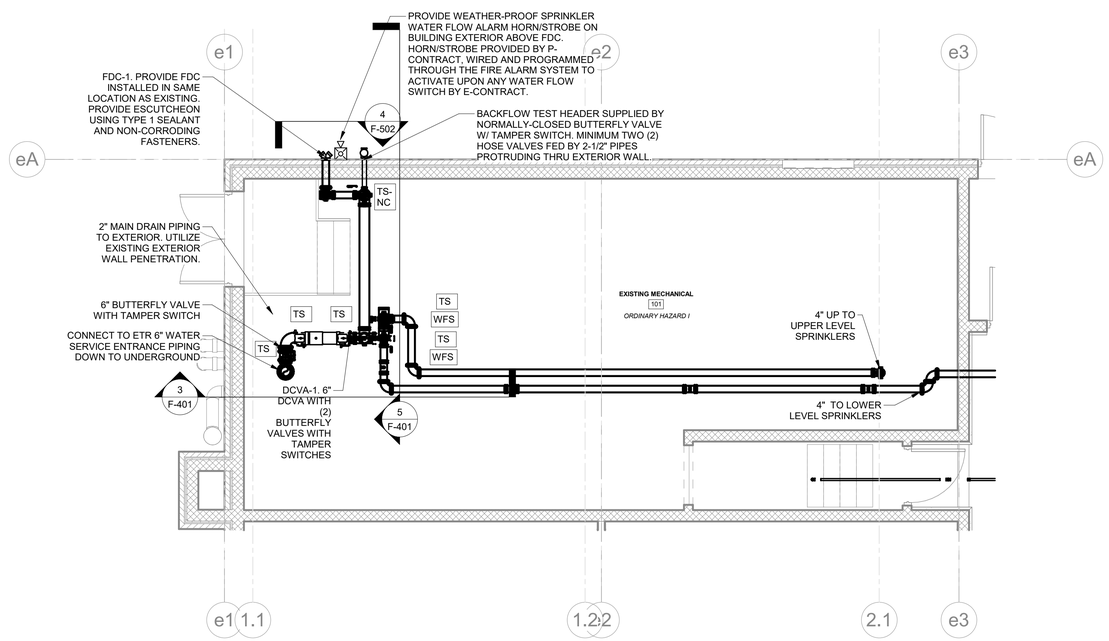
SHEET TITLE:
FIRE PROTECTION SECTION VIEW

DRAWING NUMBER:
F-401

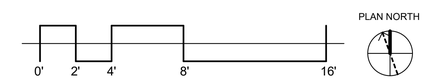
SHEET 169 OF 198



2 **FIRE WATER SERVICE ENTRANCE - ENLARGED PLAN REMOVALS**
1/4" = 1'-0"



1 **FIRE WATER SERVICE ENTRANCE - ENLARGED PLAN**
1/4" = 1'-0"



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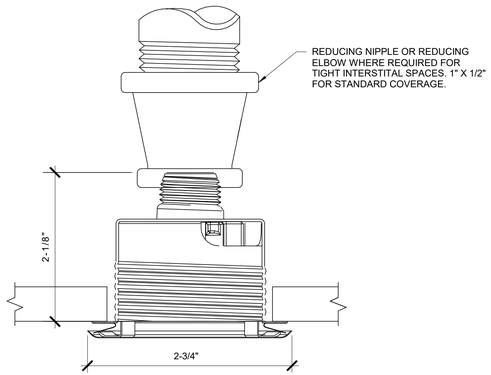
DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

SHEET TITLE:
FIRE PROTECTION ENLARGED VIEW

DRAWING NUMBER:
F-402

SHEET 170 OF 198

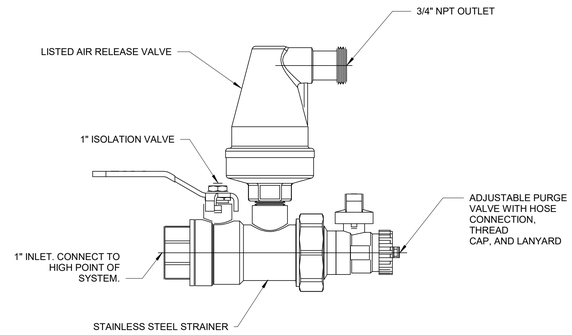


CONCEALED QR PENDENT SPRINKLERS NOTES:

1. THE BASIS OF DESIGN CONCEALED QUICK RESPONSE PENDENT SPRINKLER IS THE VIKING K5.6 MIRAGE QR CONCEALED PENDENT SPRINKLER (VK462).
2. DESIGN OF THE SPRINKLER SYSTEM IS BASED ON THE SPRINKLER DEFLECTOR LOCATION USING THE INSTALLATION SHOWN IN THIS DETAIL, AND BASED ON MANUFACTURER'S REQURIEMENTS. THE SPRINKLER DEFLECTOR SHALL EXTEND AT LEAST 13/16" BELOW THE CEILING UPON ACTIVATION.
3. FINAL INSTALLATION POSITIONING SHALL BE BASED ON CONTRACTOR'S SHOP DRAWINGS AND SELECTION.

1 CONCEALED PENDENT SPRINKLER INSTALLATION DETAIL

SCALE : NTS



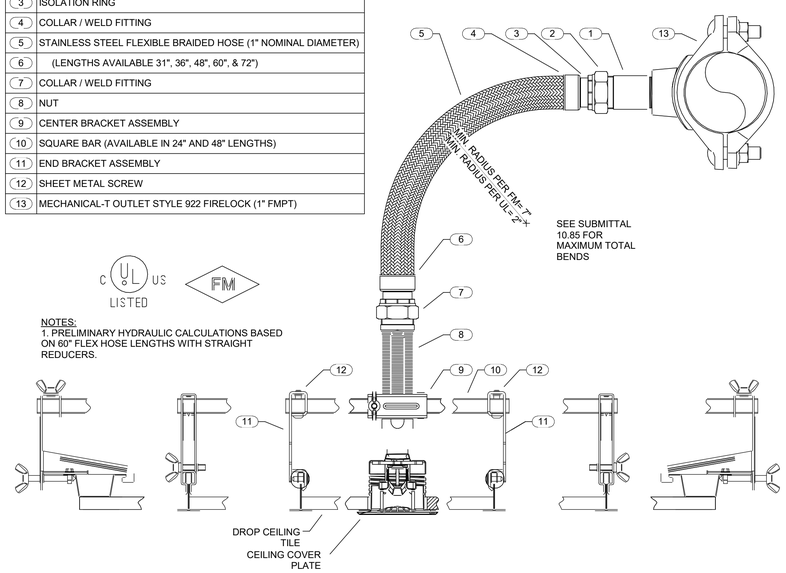
AIR VENT NOTES:

1. CONNECT TO SYSTEM IN THE FOLLOWING LOCATIONS:
   A. HIGH POINT OF EACH WET PIPE SPRINKLER SYSTEM AT THE END OF REMOTE MAIN OR BRANCH LINE.
   B. TOP OF ALL WET PIPE SUPPLY RISERS FOR RISERS SERVING MULTIPLE FLOORS OR ELEVATIONS.
2. BASIS OF DESIGN AIR VENT: AGF MANUFACTURING M7900AAV

2 WET SYSTEM AIR VENT DETAIL

SCALE : NTS

PRODUCT LEGEND	
1	INLET NIPPLE (1"MPT)
2	NUT
3	ISOLATION RING
4	COLLAR / WELD FITTING
5	STAINLESS STEEL FLEXIBLE BRAIDED HOSE (1" NOMINAL DIAMETER)
6	(LENGTHS AVAILABLE 31", 36", 48", 60", & 72")
7	COLLAR / WELD FITTING
8	NUT
9	CENTER BRACKET ASSEMBLY
10	SQUARE BAR (AVAILABLE IN 24" AND 48" LENGTHS)
11	END BRACKET ASSEMBLY
12	SHEET METAL SCREW
13	MECHANICAL-T OUTLET STYLE 922 FIRELOCK (1" FMPT)



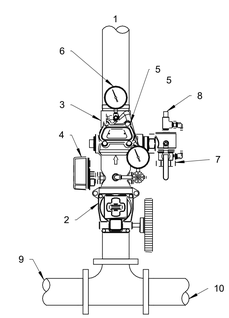
NOTES:
1. PRELIMINARY HYDRAULIC CALCULATIONS BASED ON 60" FLEX HOSE LENGTHS WITH STRAIGHT REDUCERS.

3 FLEX HEAD DETAIL

SCALE : NTS

UNIVERSAL MANIFOLD CHECK:

1. CAN BE MOUNTED IN THE HORIZONTAL OR VERTICAL UPFLOW POSITION.
2. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.
3. PIPE TEST AND DRAIN PIPING TO BUILDING EXTERIOR OR NEAREST FLOOR DRAIN CAPABLE OF DRAINING AT LEAST 40 GPM FLOW.



PRODUCT LEGEND:	
1	SPRINKLER RISER.
2	BUTTERFLY VALVE.
3	UNIVERSAL MANIFOLD WITH CHECK VALVE.
4	FLOW SWITCH.
5	CHECK VALVE.
6	PRESSURE GAUGE.
7	TEST & DRAIN VALVE.
8	ADJUSTABLE PRESSURE RELIEF VALVE.
9	FROM WATER ENTRANCE OR PREVIOUS RISER.
10	TO NEXT RISER OR CAP.

4 RISER MANIFOLD

SCALE : NTS

1

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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RAN FIRE PROTECTION ENGINEERING

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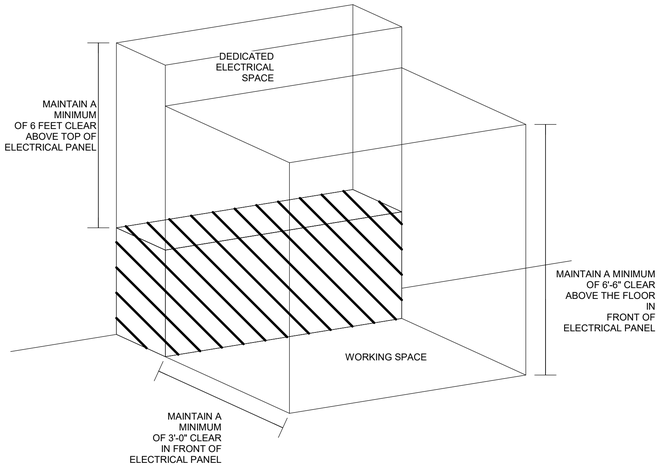
DESIGNED BY:	S. FEENEY
DRAWN BY:	J. RIOS
FIELD CHECK:	S. FEENEY
APPROVED:	D. NADEAU

SHEET TITLE: FIRE PROTECTION DETAILS

DRAWING NUMBER: F-501

SHEET 171 OF 198

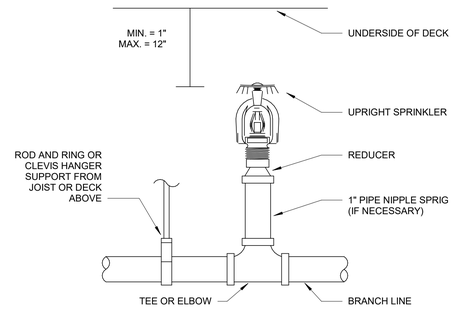


NOTES:

1. INSTALLATION OF ALL SPRINKLER PIPING AND SPRINKLERS SHALL PROVIDE REQUIRED CLEARANCES AROUND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NFPA-70.
2. A DEDICATED ELECTRICAL SPACE SHALL BE MAINTAINED FOR A MINIMUM OF 6'-0" ABOVE THE TOPS OF ELECTRICAL PANELS.
3. A DEDICATED WORKING SPACE SHALL BE MAINTAINED FOR A MINIMUM OF 3'-0" IN FRONT OF ELECTRICAL PANELS UP TO AN ELEVATION OF 6'-6" AFF.
4. SPRINKLERS AND SPRINKLER PIPING SHALL NOT BE INSTALLED IN EITHER THE DEDICATED ELECTRICAL SPACE OR THE DEDICATED WORKING SPACE.

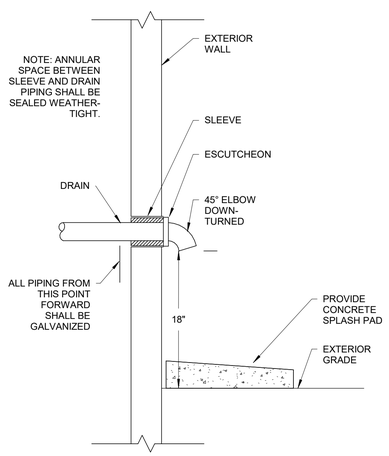
1 REQUIRED ELECTRICAL PANEL CLEARANCES

SCALE : NTS



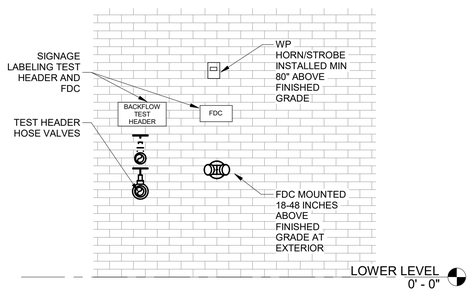
2 TYPICAL UPRIGHT SPRINKLER INSTALLATION

SCALE : NTS



3 DRAIN THROUGH WALL DETAIL

SCALE : NTS



4 FDC ELEVATION

SCALE : 1/2" = 1'-0"

FIRE PROTECTION EQUIPMENT SCHEDULE

TAG	EQUIPMENT TYPE	BASIS OF DESIGN	SIZE & DESCRIPTION
DCVA-1	DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER	AMES C200-BFG. 3 PSI DROP @ SERVICE FLOW OF 650 GPM	6" FIRE SERVICE DCVA W/ BUTTERFLY VALVES & INTEGRATED TAMPER SWITCHES
FDC-1	FIRE DEPARTMENT CONNECTION	N/A	EXPOSED, PROJECTING WALL MOUNTED SIAMESE CONNECTION WITH TWO 2.5-IN. INLETS WITH CLAPPERS AND BRASS LUGGED SWIVEL CONNECTIONS AND ROUND BRASS ESCUTCHEON PLATE. BASIS OF DESIGN HOSE THREADS - NYC CORP YONKERS THREADS, 2.5-IN. SIZE, 3-IN. OUTSIDE DIAMETER AND 8 THREADS PER INCH

NOTE:

1. BACKFLOW PREVENTER INSTALLED AT THE WATER SERVICE ENTRANCE. BACKFLOW PREVENTION DEVICE FOR FIRE PROTECTION SYSTEM ONLY.

2. OBTAIN ALL APPROVALS FOR THE COMPLETE INSTALLATION OF THE BACKFLOW PREVENTION DEVICE INCLUDING BUT NOT LIMITED TO STATE DEPARTMENT OF HEALTH APPROVAL AND CITY OF YONKERS WATER DEPARTMENT APPROVAL. UPON ISSUANCE OF APPROVAL AND INSTALLATION, PROVIDE TESTING BY A CERTIFIED TESTER AND SUBMIT TEST RESULTS AND CERTIFICATION TO APPROVING AGENT FOR ISSUANCE OF A COMPLETED WORKS APPROVAL.

3. COORDINATE BACKFLOW PREVENTION AND CROSS CONNECTION CONTROL REQUIREMENTS WITH LOCAL AHJ AND WATER DEPARTMENT.WHERE THE LOCAL AHJ AND/OR WATER DEPARTMENT REQUIRE A LEVEL OF CROSS CONNECTION CONTROL ABOVE THE DOUBLE CHECK BACKFLOW PREVENTION DEVICE SPECIFIED ON THESE DRAWINGS, PROVIDE SUCH HIGHER LEVEL OF CROSS CONNECTION CONTROL.

4. FIRE DEPARTMENT TYPE AND THREAD ARE BASIS OF DESIGN. CONFIRM WITH LOCAL FIRE DEPARTMENT PRIOR TO SUBMISSION OF FDC PRODUCT DATA.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

RAN FIRE PROTECTION ENGINEERING

CERT. OF AUTHORIZATION: 0017726

ENERGY CODE COMPLIANCE STATEMENT:

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UNIFORM CODE STATEMENT:

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STATE OF NEW YORK · DOUGLAS RAYMOND NADEAU · 079487 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

Reg. Exp. 7/31/2029

CONTRACT:

PLUMBING

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-P

DESIGNED BY: S. FEENEY

DRAWN BY: J. RIOS

FIELD CHECK: S. FEENEY

APPROVED: D. NADEAU

SHEET TITLE:

FIRE PROTECTION DETAILS

DRAWING NUMBER:

F-502

SHEET 172 OF 198

ELECTRICAL SYMBOLS

- DUPLEX RECEPTACLE, WALL RECESSED, 20A, 120V. 'GFI' INDICATES WITH FAULT CIRCUIT INTERRUPTER. 'IG' INDICATES WITH ISOLATED GROUND. 'U' INDICATES USB RECEPTACLES. 'F' INDICATES FURNITURE MOUNTED. 'SW' INDICATES CONTROLLED RECEPTACLE. 'TV' INDICATES RECESSED MOUNTED AT TV'S HEIGHT AS DICTATED BY THE DIRECTOR'S REPRESENTATIVE.
- QUADUPLEX RECEPTACLE, WALL RECESSED, 20A, 120V. 'GFI' INDICATES WITH FAULT CIRCUIT INTERRUPTER. 'IG' INDICATES WITH ISOLATED GROUND. 'U' INDICATES USB RECEPTACLES. 'F' INDICATES FURNITURE MOUNTED. 'TV' INDICATES RECESSED MOUNTED AT TV'S HEIGHT AS DICTATED BY THE DIRECTOR'S REPRESENTATIVE.
- PLUGMOLD RECEPTACLES. 6" ON CENTER.
- SIMPLEX RECEPTACLE. NEMA 16-20A.
- SPECIAL RECEPTACLE. NEMA L6-30R, 220V.
- SPECIAL RECEPTACLE. REFER TO DRAWING FOR NEMA TYPE AND CURRENT RATING.
- NEMA 16 TWIST LOCK RECEPTACLE. 208, 3 WIRE.
- QUADRUPLEX (DOUBLE DUPLEX) RECEPTACLE, 20A, 120V
- CEILING MOUNTED DUPLEX RECEPTACLE. 1P-20A, 120V
- J or J — UNIVERSAL JUNCTION BOX, CONNECT IN HUNG CEILING
- OUTLET (JUNCTION BOX) 4" SQUARE BOX MINIMUM
- S_M — MOTOR RATED SWITCH, NEMA-1 ENCLOSURE U.O.N.
- S_{R1} — RAISE AND LOWER PUSH BUTTON/KEY SWITCH CONTROLLER
- CONDUIT
- DEDICATED BRANCH CIRCUIT, HOMERUN TO PANEL
- MULTI-WIRE HOME RUN TO PANEL. ARROWS DENOTE NUMBER OF 1P-20A CIRCUITS.
- ELECTRICAL PANEL, CU BUS, BOLT-ON CIRCUIT BREAKERS AND SEPARATE CU GROUND BUS, DASHED LINES INDICATE EQUIPMENT CLEARANCE
- ELECTRICAL SWITCHBOARD, CU BUS. DASH LINES INDICATE EQUIPMENT CLEARANCE.
- 3P-30A/30AF NEMA-1 — FUSED DISCONNECT SWITCH. TEXT INDICATES NUMBER OF POLES, AMPACITY, FUSE RATING AND ENCLOSURE TYPE.
- 3P-30A NEMA-1 — NON-FUSED DISCONNECT SWITCH. TEXT INDICATES NUMBER OF POLES, AMPACITY AND ENCLOSURE TYPE.
- COMBINATION DISCONNECT SWITCH AND MOTOR STARTER, NEMA-1 U.O.N., SIZE AS REQUIRED BY MOTOR SERVED
- R — MOTOR STARTER OR CONTACTOR. SUBSCRIPT DENOTES TYPE.
- VFD — VARIABLE FREQUENCY DRIVE
- T — TRANSFORMER, RATED AS NOTED
- X — MOTOR, HORSEPOWER INSCRIBED
- CIRCUIT BREAKER
- 100AS 100AF — FUSED SWITCH, TEXT INDICATES SWITCH AND FUSE RATING
- UNFUSED SWITCH
- AUTOMATIC TRANSFER SWITCH
- M — CURRENT TRANSFORMER AND METER
- TC — TIMECLOCK
- GROUND BUS BAR
- COMBINATION POWER AND DATA FLOOR BOX WITH (1) 20A QUAD RECEPTACLE AND (1) VOICE/DATA OUTLET. PROVIDE (1) 3/4" CONDUIT TRENCHED IN SLAB FOR POWER AND (1) 1" CONDUIT FOR DATA
- DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
- FIRE-RATED COMBINATION POWER AND DATA POKE-THRU WITH 1 20A QUAD AND 1 VOICE DATA OUTLET. BASIS OF DESIGN LEGRAND EVOLUTION 6AT.

- SWITCHBOARD LINE TYPE
- EQUIPMENT TO BE REMOVED LINE TYPE.
- EXISTING EQUIPMENT TO REMAIN LINE TYPE.
- NEW EQUIPMENT/SCOPE.
- E — UNDERGROUND SERVICE CONDUCTORS IN CONDUIT.

- FSD — FIRE SMOKE DAMPER
- WALL MOUNTED DATA OUTLET. NUMERAL INDICATES NUMBER OF RJ45 JACKS. 'D' INDICATES SINGLE LAN DROP FOR DMP. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING. 'FO' INDICATES 10G SINLGE MODE FIBER OPTIC OUTLET.
- WALL MOUNTED VOICE OUTLET. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.
- VOICE/DATA OUTLET. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.
- VOICE/DATA OUTLET - CEILING MOUNTED
- DUAL LAN DROP FOR WALL MOUNTED DATA OUTLET. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.
- AV — AUDIO/VISUAL EQUIPMENT OUTLET - CEILING MOUNTED
- CR — CARD READER, SECURITY SYSTEM
- DR — DOOR RELEASE, SECURITY SYSTEM
- RAN — GENERATOR REMOTE ANNUNCIATOR
- EPO — EMERGENCY POWER SHUT-OFF BUTTON WITH COVER
- BG — BREAK GLASS STATION
- SECURITY CAMERA. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.
- P — OVERHEAD PROJECTOR
- TV — TV OUTLET. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.
- VGA — SVGA OUTLET. PROVIDE 3/4" EMPTY CONDUIT TO ACCESSIBLE CEILING.

NOTE

ALL ABBREVIATIONS AND SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

LIGHTING CONTROL SCHEDULE

TAG	BASIS OF DESIGN MAKE	BASIS OF DESIGN MODEL	DESCRIPTION	SENSOR	VOLT.	NOTES
$	N/A	N/A	20A RATED SNAP-SWITCH TO SERVE ALL LIGHTS IN SPACE.	N/A	120 /277V	-
$3	N/A	N/A	20A RATED 3-WAY-SNAP-SWITCH TO SERVE ALL LIGHTS IN SPACE.	N/A	120 /277V	-
$M	NX CONTROLS	2	LOW VOLTAGE WALL MOMENTARY CONTACT SWITCH	N/A	LOW VOLT.	-
$D	NX CONTROLS	NXSW2-ORLO	LOW VOLTAGE 5-BUTTON SCENE SWITCH WITH RAISE LOWER	N/A	LOW VOLT.	-
$1	NX CONTROLS	NXSW2-OO	LOW VOLTAGE SINGLE ZONE ON/OFF	N/A	LOW VOLT.	4
$OS	NX CONTROLS	LHRMTS1	LINE VOLTAGE WALL OCCUPANCY SENSOR	PIR	120 /277V	-
$DS	NX CONTROLS	LHRDMMTS2	LINE VOLTAGE WALL OCCUPANCY SENSOR WITH 0-10V DIMMING	PIR	120 /277V	-
PP	NX CONTROLS	NXRCFX21RD	POWER PACK/RELAY PACK 0-10V (4) CHANNEL MINIMUM	N/A	120 /277V	1,2
OS	NX CONTROLS	NXSMDT-OMNI	LOW VOLTAGE CEILING OCCUPANCY SENSORS (AUTOMATIC ON)	PIR	LOW VOLT.	1,3
VS	NX CONTROLS	NXSMDT-OMNI	LOW VOLTAGE CEILING VACANCY SENSORS (MANUAL-ON)	PIR	LOW VOLT.	1,3
DS	NX CONTROLS	-	LOW VOLTAGE DAYLIGHT HARVESTING SENSOR	N/A	LOW VOLT.	1,3
PC	NX CONTROLS	DLC-PC	LOW VOLTAGE PHOTOCELL	N/A	LOW VOLT.	1

2

LIGHTING CONTROL SCHEDULE NOTES:

1. PROVIDE CABLING BETWEEN LIGHTING CONTROL DEVICES AS REQUIRED TO PROVIDE A COMPLETE SYSTEM..
2. PROVIDE 0-10V WIRING BETWEEN POWER PACKS AND LIGHTING FIXTURES AS REQUIRED TO PROVIDE DIMMING OPERATION WHERE REQUIRED.
3. ENSURE OCCUPANCY/VACANCY SENSORS ARE PROGRAMMED TO CORRECT OPERATION MODE.
4. PROVIDE SWITCH WITH LED INDICATOR TO SHOW WHEN LIGHTING IS ON. PROVIDE LABEL INDICATING ZONE CONTROLLED.

2

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FLOOR FINISH
B.O.	BY OTHERS
C OR CDT	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
EC	ELECTRICAL CONTRACTOR
EQP	EQUIPMENT
E	EXISTING TO REMAIN
EL	ELEVATOR RECALL
ER	EXISTING TO RELOCATE
FACP	FIRE ALARM CONTROL PANEL
GND	GROUND
G	WIRE GUARD
GRD	GROUNDING
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
LV	LOW VOLTAGE
MTD	MOUNTED
NTS	NOT TO SCALE
R	REMOVE
RE	RELOCATE TO POSITION INDICATED
RL	RELOCATED POSITION
RCP	REFLECTED CEILING PLAN
SW	SWITCHED
TEL	TELEPHONE
TYP	TYPICAL
TV	TELEVISION OUTLET
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL CONSTRUCTION NOTES:

1. ALL ELECTRICAL CONNECTIONS TO MECHANICAL, AND PLUMBING EQUIPMENT SHALL OPERATE QUIETLY AND FREE OF VIBRATION.
2. "SIMILAR" OR "SIM." MEANS COMPARABLE CHARACTERISTICS TO THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CHASES, OPENINGS, HOLES, SLEEVES, DRILLING ETC. PERTAINING TO HIS WORK.
2. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
3. FURNITURE, IF SHOWN, IS FOR REFERENCE ONLY AND IS NOT IN CONTRACT, U.O.N.
4. WALL MOUNTED INITIATING AND ALARM DEVICES SHALL BE FLUSH MOUNTED IN ACCESSIBLE AND NEW PARTITIONS.
5. DUCT SMOKE DETECTORS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR & WIRED TO THE FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR. EACH DUCT SMOKE DETECTOR SHALL HAVE A REMOTE ALARM INDICATOR/TEST KEY SWITCH, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
6. COMBINATION CIRCUIT BREAKER DISCONNECT AND STARTERS ARE FURNISHED BY TRADE PROVIDING MOTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT AND INSTALLATION OF DISCONNECT/STARTERS. COORDINATE LOCATION WITH CONTRACTOR FURNISHING THE COMBINATION DISCONNECT AND STARTER.
7. REFER TO LIGHTING FIXTURE SPECIFICATIONS FOR FOR FIXTURE TYPES AND REQUIREMENTS. WIRE IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WIRING DIAGRAMS. DO NOT EXCEED MANUFACTURER'S RECOMMENDED DISTANCES.
8. REFER TO ARCHITECTURAL RCP PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES AND EXIT SIGNS. THESE DRAWINGS INDICATE CIRCUITING FOR LIGHTING FIXTURES ONLY.
9. BE RESPONSIBLE FOR REMOVAL OF THE EXISTING SERVICE CONDUCTORS AND CONDUITS, INCLUDING ALL COORDINATION REQUIRED WITH CON EDISON FOR THE SHUTDOWN OF THE EXISTING SERVICE. BE RESPONSIBLE FOR PROVIDING THE NEW SERVICE CONDUCTORS AND COORDINATING WITH CON EDISON FOR THE RECONNECTION OF THE NEW FEEDERS AND ALL REQUIRED INSPECTIONS. INSTALLATION OF NEW SERVICE CONDUCTORS MUST BE IN COMPLIANCE WITH ALL APPLICABLE CON EDISON SPECIFICATIONS. COORDINATE ALL OF THE OUTLINED SERVICE SCOPE WITH CON EDISON REPRESENTATIVE LUCIO JACINTO CASE ID: MC-833695.
10. PROVIDE ALL OF THE LINE VOLTAGE POWER WIRING FOR FIELD-MOUNTED PANELS, AND ELECTRONIC DIGITAL CONTROLLERS ASSOCIATED WITH THE BMS SYSTEM MODIFICATIONS PART OF THIS PROJECT. BE RESPONSIBLE FOR PROVIDING EMT CONDUITS FOR BMS LOW VOLTAGE WIRING NOT INSTALLED ABOVE THE CEILING OR WITHIN THE MECHANICAL ROOM. COORDINATE SIZE OF CONDUITS AND LOCATIONS WITH H-CONTRACTOR BASED ON THE FINAL LOCATIONS OF BMS CONTROLLERS.

ELECTRICAL DEMOLITION NOTES

1. PERFORM ALL REQUIRED REMOVALS OF EXISTING SYSTEMS UNDER DIVISION 26 PRIOR TO OR SIMULTANEOUSLY WITH THE COMMENCEMENT OF DEMOLITION WORK OF OTHER DIVISIONS.
2. REMOVE EXISTING WIRING, RACEWAYS, CONDUITS, AND OTHER ELECTRICAL EQUIPMENT OR APPARATUS AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.
3. REFER TO C CONTRACT'S DEMOLITION DRAWING FOR AREA AND EXTENT OF DEMOLITION, CEILING REMOVAL, WALL REMOVAL ETC. ADJACENT OCCUPIED AREAS CANNOT BE INTERRUPTED DURING NORMAL WORKING HOURS. COORDINATE AND SCHEDULE WITH DIRECTOR'S REPRESENTATIVE ALL AFTER HOUR WORK.
4. PROVIDE ALL MATERIALS, LABOR, AND INCIDENTAL WORK REQUIRED TO COMPLETE THE INSTALLATION, INCLUDING CUTTING, EXTENSIONS, CONNECTIONS, REPAIRS, AND ADAPTATIONS AS NEEDED. PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN OPERATION UNTIL PERMANENT WORK IS COMPLETED.
5. REMOVE MATERIALS THAT MAY INTERFERE WITH NEW INSTALLATIONS, AS DIRECTED.
6. OBTAIN APPROVAL OF THE DIRECTOR'S REPRESENTATIVE PRIOR TO TAKING DOWN, REMOVING OR MAKING ALTERATIONS TO EQUIPMENT.
7. DISCONNECT, REMOVE, AND/OR RELOCATE ELECTRICAL MATERIAL, EQUIPMENT, DEVICES, COMPONENTS, AND OTHER WORK NOTED AND REQUIRED BY DEMOLITION OR ALTERATIONS IN EXISTING CONSTRUCTION.
8. REMOVE ALL ABANDONED CONDUCTORS, RACEWAYS, OUTLETS & RECEPTACLES. REMOVE ALL FLOOR RECEPTACLE SERVICE FITTINGS AND VOICE/DATA FITTINGS. PROVIDE APPROVED FLUSH BLANKING FITTINGS FOR ALL REMOVED POWER AND VOICE/DATA OUTLETS. CONFIRM THE ACTUAL QUANTITY OF EXISTING FIRE RATED POKE-THRUS TO BE CAPPED. REMOVE ALL POWER WIRING BACK TO ELECTRIC PANEL BOARDS.
9. CUT AND CAP ABANDONED FLOOR RACEWAYS FLUSH WITH CONCRETE FLOOR OR BEHIND WALLS AND CEILINGS.
10. DISPOSE OF REMOVED RACEWAYS, ELECTRICAL DEVICES AND WIRING.
11. INTERRUPT ALARM AND EMERGENCY SYSTEMS ONLY WITH WRITTEN CONSENT OF THE DIRECTOR'S REPRESENTATIVE.
12. PROVIDE TEMPORARY POWER FOR LIFE SAFETY AND OTHER EQUIPMENT AS DIRECTED BY DIRECTOR'S REPRESENTATIVE WHEN POWER IS TO BE INTERRUPTED.
13. WHERE INDICATED ON THE DRAWINGS, REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES. COMPLETE WITH ASSOCIATED WIRING, CONDUIT, ETC. FROM PARTITIONS, WALLS, AND FLOORS BEING REMOVED.
14. REMOVE ALL ABANDONED WIRING AND CONDUIT BACK TO THE PANELBOARD.
15. REMOVE EXISTING LIGHTING FIXTURES AND LAMPS AS INDICATED. DISPOSITION OF REMOVED FIXTURES WILL BE AS SHOWN IN REMOVAL DRAWINGS AND C CONTRACT'S REMOVAL NOTES.
16. DISCONNECT AND REMOVE ALL CONDUIT AND WIRE FOR ALL REMOVED EQUIPMENT BACK TO PANEL BOARD.
17. INSTALL TEMPORARY LIGHT AND POWER (PIGTAILS) FOR USE THROUGHOUT REMOVAL WORK. REMOVE TEMPORARY LIGHT AND POWER AFTER WORK HAS BEEN COMPLETED.
18. COORDINATE WITH THE DIRECTORS REPRESENTATIVE AND OTHER CONTRACTORS FOR ELECTRICAL SHUTDOWNS AND NEW ELECTRICAL CONNECTIONS. COMPLETE THE WORK AS TO NOT DISTRUPT CONSTRCUTION OPERATIONS. PROVIDE TEMPORARY POWER AS REQUIRED FOR ALL TRADES AND ALL LABOR INCLUDING OVERTIME TO ACOMPLISH THE OUTLINED REMOVAL AND NEW SCOPE OF WORK.

2

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2

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY, 2 QUINCY PLACE, YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE: ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES

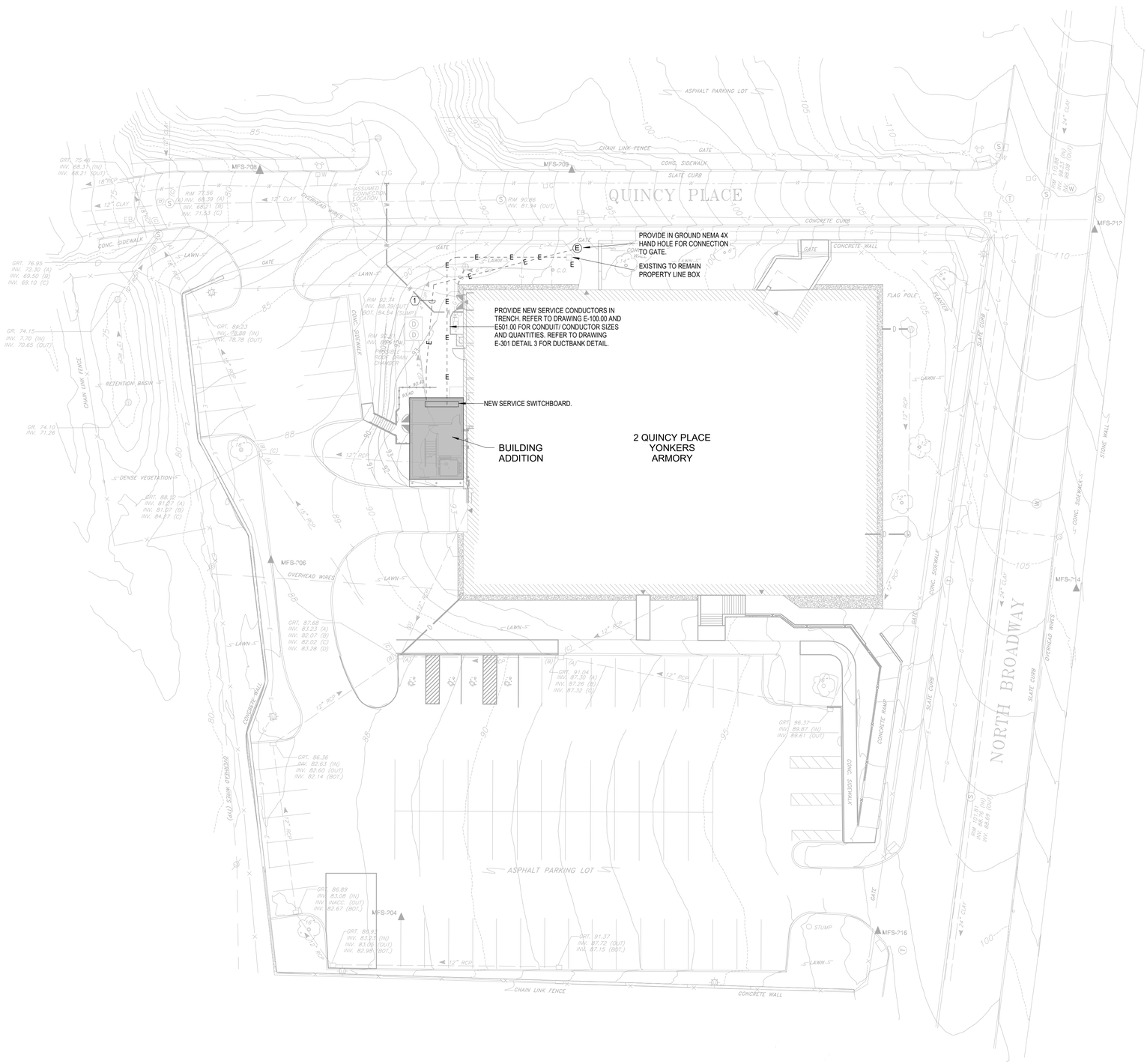
DRAWING NUMBER: E-001

GENERAL NOTES

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS & NOTES.
2. COORDINATE EXACT ROUTING AND BURIAL DEPTH OF CONDUITS SHOWN WITH CIVIL DRAWINGS AND OTHER SITE UTILITIES.
3. REFER TO E301.00 DETAIL 3 FOR SERVICE ENTRANCE CONDUIT DUCTBANK DETAIL.

KEY NOTES

(1) PROVIDE (1) ¾" CONDUIT WITH 2#12+1#12G FROM PANEL LMP CIRCUIT#54. AND (1) 1" EMPTY CONDUIT WITH PULL STRING FOR DATA IN TRENCH. PROVIDE PLASTIC BUSHINGS AND TERMINATE CONDUITS IN NEMA 4X BOX. COORDINATE EXACT TRENCH ROUTING AND DEPTH WITH OTHER UTILITIES IN THE FIELD WITH C-CONTRACTOR.



D 1 E-002 SITE AND SERVICE PLAN

SCALE: 1" = 20'-0"

0' 10'-0" 20'-0" 40'-0"

TRUE NORTH

NORTH

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · LICENSED PROFESSIONAL ENGINEER · 108677

07/20/2026

EXP. 09/30/2026

CONTRACT:

ELECTRICAL

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

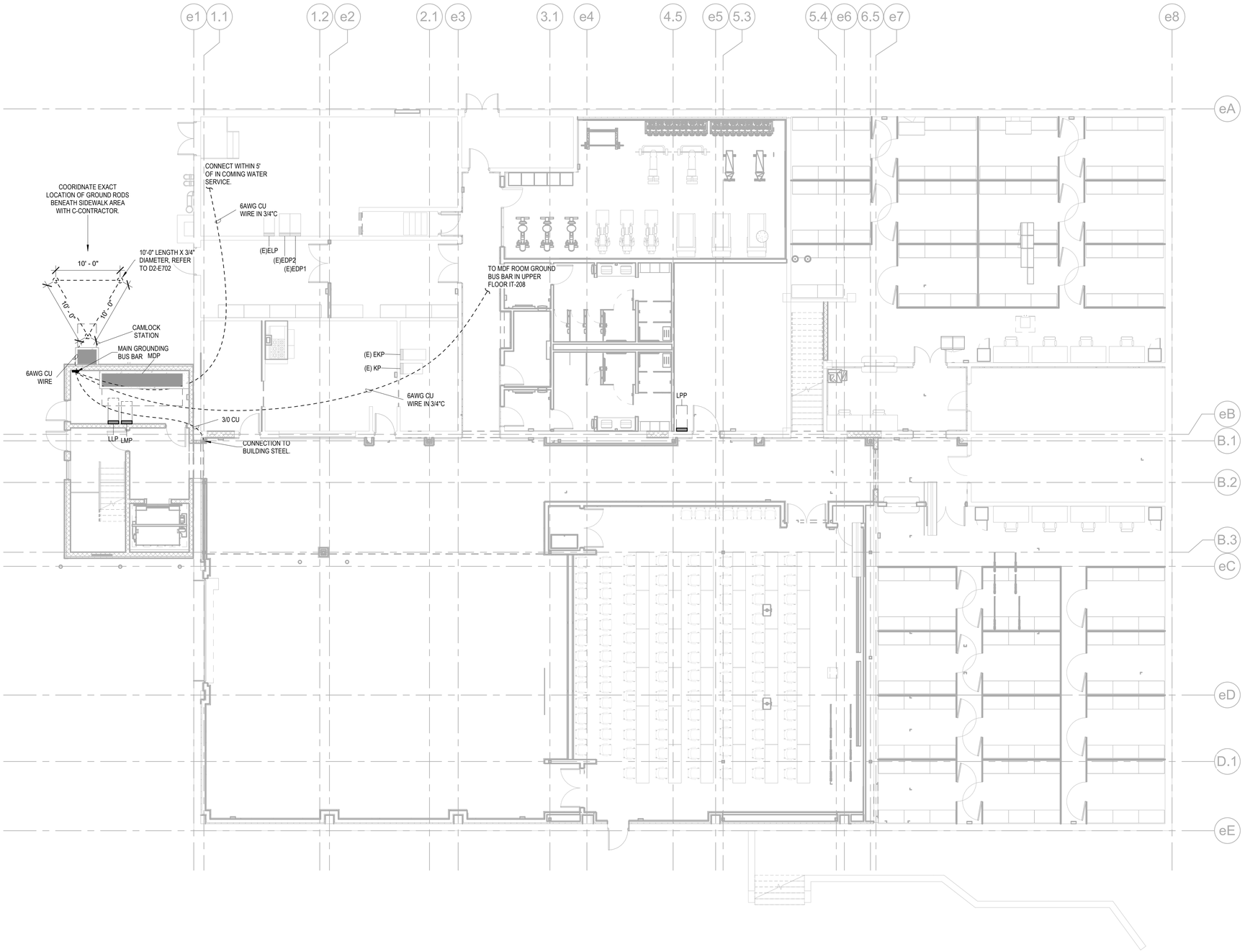
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:

SITE AND SERVICE PLAN

DRAWING NUMBER:

E-002



D | 1
E-004

LOWER LEVEL - GROUNDING PLAN

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:

ELECTRICAL

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

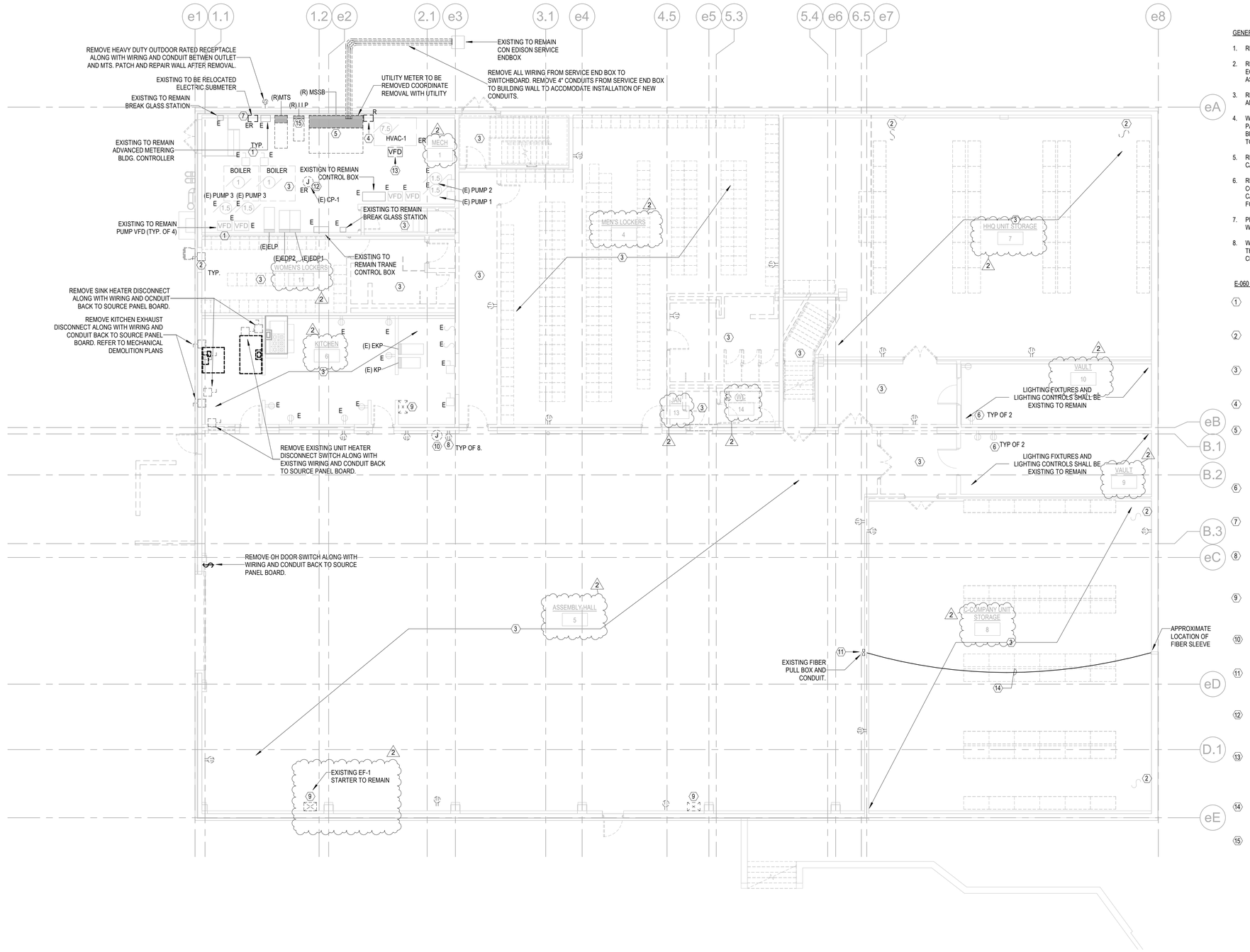
PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:

GROUNDING PLAN

DRAWING NUMBER:

E-004



D 1 E-060 LOWER LEVEL - REMOVALS

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

GENERAL NOTES

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS & NOTES.
2. REFER TO H-CONTRACT DRAWINGS FOR REMOVAL OF MECHANICAL EQUIPMENT. REMOVE ALL ELECTRICAL EQUIPMENT, CONDUITS AND WIRING ASSOCIATED WITH THE REMOVAL OF MECHANICAL EQUIPMENT.
3. REMOVE ALL EXISTING LIGHTING CONTROL DEVICES ALONG WITH CONDUITS AND WIRING, BACK TO THE SOURCE.
4. WHERE PANELBOARDS ARE CALLED OUT AS BEING REMOVED, REMOVE PANEL ENCLOSURE, BACKBOX, BUS BARS, CIRCUIT BREAKERS, INTERIORS, BRANCH CIRCUITRY, FEEDERS, WIRING, AND ASSOCIATED CONDUITS BACK TO SOURCE.
5. REMOVE ALL DATA OUTLETS, BOXES, RACEWAYS AND ASSOCIATED DATA CABLING BACK TO DATA RACK IN CONFERENCE ROOM 111.
6. REMOVE ALL SECURITY SYSTEM MAGNETIC SWITCHES , MOTION SENSORS, CONTROL/MONITORING EQUIPMENT AND ASSOCIATED LOW VOLTAGE CABLING BACK TO SOURCE. COORDINATE WITH DIRECTOR REPRESENTATIVE FOR VAULT AREAS.
7. PROTECT EXISTING EQUIPMENT FROM DUST AND DEBRIS DURING REMOVAL WORK.
8. WHERE REMOVAL BACK TO SOURCE IS INDICATED, THE SOURCE REFERS TO THE PANELBOARD, DATA RACK, OR CONTROL PANEL WHERE THE POWER CIRCUIT, DATA LINE, OR CONTROL SIGNAL ORIGINATES.

E-060 KEY NOTES

1. PROTECT POWER WIRING, CONTROL WIRING, AND DISCONNECTING MEANS TO ALL MECHANICAL EQUIPMENT THAT IS EXISTING TO REMAIN IN MECHANICAL ROOM THROUGHOUT DEMOLITION WORK.
2. REMOVE DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE. COORDINATE EXACT EXTENT OF DEMOLITION WITH MECHANICAL CONTRACTOR.
3. REMOVE ALL EXISTING LIGHT FIXUTRES AND CONTROL SWITCHES IN THE SPACE ALONG WITH BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE.
4. REMOVE UTILITY METER AND METER CTS ALONG ALL ASSOCIATED WIRING AND CONDUIT. REMOVAL SHALL BE COORDINATED WITH CON ED.
5. REMOVE MAIN SERVICE SWITCHBOARD ALONG ALL INCOMING CONDUCTORS FROM CON ED, COORDINATE REMOVAL REQUIRMENTS AND ANY NECESSARY FILLINGS WITH CON ED PRIOR TO START OF REMOVAL WORK. REMOVE ALL FEEDER CONDUCTORS FROM DISTRIBUTION SECTION TO DESIGNATED PANEL BOARDS. FEEDERS SHALL BE TERMINATE AT PANELBOARD WITH SUFFICIENT SLACK FOR RECONNECTION TO NEW SWITCHBOARD.
6. REMOVE WIRING TO OUTLETS FROM NEAREST JUNCTION BOX BACK TO PANEL. OUTLET BOX. CONDUIT WITHIN WALLS AND RECEPTACLE SHALL REMAIN FOR RE-WIRING TO NEW PANEL.
7. DISCONNECT METER CTS AND ASSOCIATED WIRING FROM THE EXISTING SWITCHBOARD. PROTECT METER FROM DAMAGE THROUGHOUT DEMOLITION WORK FOR REINSTALLATION IN THE NEW ELECTRICAL ROOM
8. REMOVE RECEPTACLE AND RECEPTACLE FACEPLATE ALONG WITH WIRING BACK TO SOURCE PANEL BOARD. RECEPTACLE BACKBOX AND CONDUIT IN WALL SHALL REMAIN FOR REUSE. REMOVE THE REMAINING CONDUIT FROM ABOVE THE CEILING TO SOURCE PANELBOARD.
9. REMOVE THE EXHAUST FAN STARTER ALONG WITH THE BRANCH CIRCUIT WIRING AND CONDUIT BETWEEN THE STARTER AND THE FAN. REMOVE WIRING AND CONDUIT FROM THE EXHAUST FAN STARTER BACK TO THE SOURCE PANELBOARD.
10. REMOVE BRANCH CIRCUIT WIRING AND CONDUIT FOR THE DRINKING FOUNTAIN BACK TO THE SOURCE PANEL BOARD. UPDATE THE EXISTING PANEL SCHEDULE TO INDICATE THE CIRCUIT AS A SPARE.
11. REMOVE AND PROTECT THE EXISTING FIBER CABLE FROM THE DATA RACK ON THE SECOND FLOOR BACK TO THE SOURCE. REMOVE EXISTING CONDUIT PULL BOX AND SUPPORTS. PATCH AND REPAIR EXISTING WALL AS NEEDED AFTER PULLBOX IS REMOVED.
12. DISCONNECT EXISTING BRANCH CRICUIT FOR CP-1 AND PULL BACK WIRING BACK TO NEAREST JUNCTION BOX. PROTECT WIRING AND CONDUIT FOR RELOCATION OF CP-1. COORDINATE EXACT RELOCATION LOCATION WITH P-CONTRACTOR.
13. REMOVE EXISTING BRANCH CIRCUIT BACK TO SOURCE PANEL BOARD ALONG WITH DISCONNECT AND VFD FOR HVAC-1. REMOVE 40A BREAKER IN PANEL EDP AND MARK AS SPACE FOR INSTALLATION OF NEW BREAKER AS PART OF NEW WORK. COORDINATE EXACT EXTENT OF REMOVAL REQUIRED WITH H-CONTRACTOR.
14. PULL BACK EXISTING FIBER ABOVE CEILING BACK TO EXTERIOR WALL WHERE IT ENTERS THE BUILDING, SUPPORT AND PROTECT CABLE ABOVE THE CEILING FOR REINSTALLATION IN CONDUIT.
15. DISCONNECT AND PROTECT EXISTING SITE LIGHTING CIRCUIT AFTER PANEL IS REMOVED. CAP AND PROTECT WIRING AND CONDUIT FOR RECONNECTION TO NEW CIRCUIT AS PART OF NEW WORK.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT:

ELECTRICAL

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

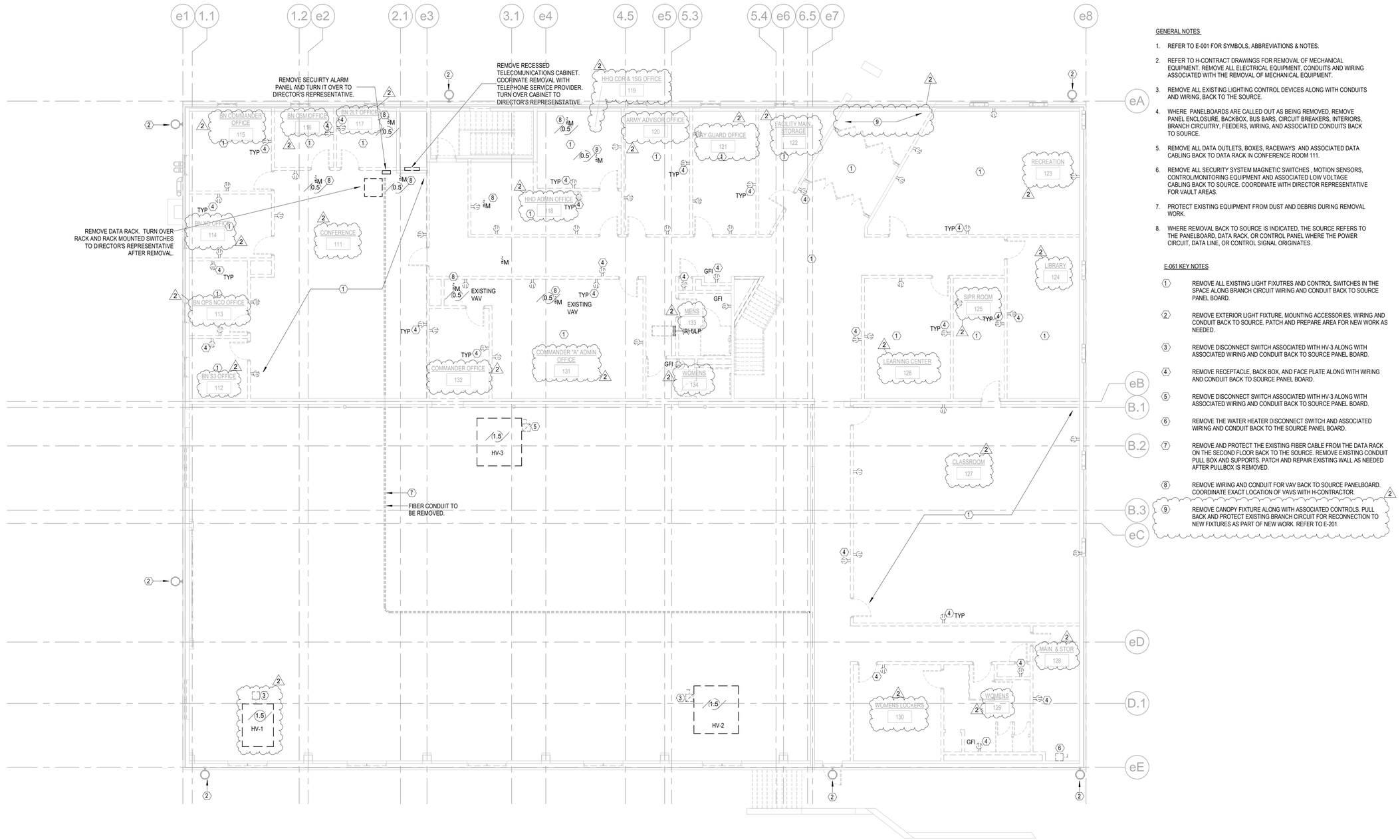
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:

LOWER LEVEL REMOVAL PLAN

DRAWING NUMBER:

E-060



D 1 / E-061 UPPER LEVEL - REMOVAL

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH

NORTH

GENERAL NOTES

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS & NOTES.
2. REFER TO H-CONTRACT DRAWINGS FOR REMOVAL OF MECHANICAL EQUIPMENT. REMOVE ALL ELECTRICAL EQUIPMENT, CONDUITS AND WIRING ASSOCIATED WITH THE REMOVAL OF MECHANICAL EQUIPMENT.
3. REMOVE ALL EXISTING LIGHTING CONTROL DEVICES ALONG WITH CONDUITS AND WIRING, BACK TO THE SOURCE.
4. WHERE PANELBOARDS ARE CALLED OUT AS BEING REMOVED, REMOVE PANEL ENCLOSURE, BACKBOX, BUS BARS, CIRCUIT BREAKERS, INTERIORS, BRANCH CIRCUITRY, FEEDERS, WIRING, AND ASSOCIATED CONDUITS BACK TO SOURCE.
5. REMOVE ALL DATA OUTLETS, BOXES, RACEWAYS AND ASSOCIATED DATA CABLING BACK TO DATA RACK IN CONFERENCE ROOM 111.
6. REMOVE ALL SECURITY SYSTEM MAGNETIC SWITCHES , MOTION SENSORS, CONTROL/MONITORING EQUIPMENT AND ASSOCIATED LOW VOLTAGE CABLING BACK TO SOURCE. COORDINATE WITH DIRECTOR REPRESENTATIVE FOR VAULT AREAS.
7. PROTECT EXISTING EQUIPMENT FROM DUST AND DEBRIS DURING REMOVAL WORK.
8. WHERE REMOVAL BACK TO SOURCE IS INDICATED, THE SOURCE REFERS TO THE PANELBOARD, DATA RACK, OR CONTROL PANEL WHERE THE POWER CIRCUIT, DATA LINE, OR CONTROL SIGNAL ORIGINATES.

E-061 KEY NOTES

1. REMOVE ALL EXISTING LIGHT FIXUTRES AND CONTROL SWITCHES IN THE SPACE ALONG BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE PANEL BOARD.
2. REMOVE EXTERIOR LIGHT FIXTURE, MOUNTING ACCESSORIES, WIRING AND CONDUIT BACK TO SOURCE. PATCH AND PREPARE AREA FOR NEW WORK AS NEEDED.
3. REMOVE DISCONNECT SWITCH ASSOCIATED WITH HV-3 ALONG WITH ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE PANEL BOARD.
4. REMOVE RECEPTACLE, BACK BOX, AND FACE PLATE ALONG WITH WIRING AND CONDUIT BACK TO SOURCE PANEL BOARD.
5. REMOVE DISCONNECT SWITCH ASSOCIATED WITH HV-3 ALONG WITH ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE PANEL BOARD.
6. REMOVE THE WATER HEATER DISCONNECT SWITCH AND ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE PANEL BOARD.
7. REMOVE AND PROTECT THE EXISTING FIBER CABLE FROM THE DATA RACK ON THE SECOND FLOOR BACK TO THE SOURCE. REMOVE EXISTING CONDUIT PULL BOX AND SUPPORTS. PATCH AND REPAIR EXISTING WALL AS NEEDED AFTER PULLBOX IS REMOVED.
8. REMOVE WIRING AND CONDUIT FOR VAV BACK TO SOURCE PANELBOARD. COORDINATE EXACT LOCATION OF VAVS WITH H-CONTRACTOR.
9. REMOVE CANOPY FIXTURE ALONG WITH ASSOCIATED CONTROLS. PULL BACK AND PROTECT EXISTING BRANCH CIRCUIT FOR RECONNECTION TO NEW FIXTURES AS PART OF NEW WORK. REFER TO E-201.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

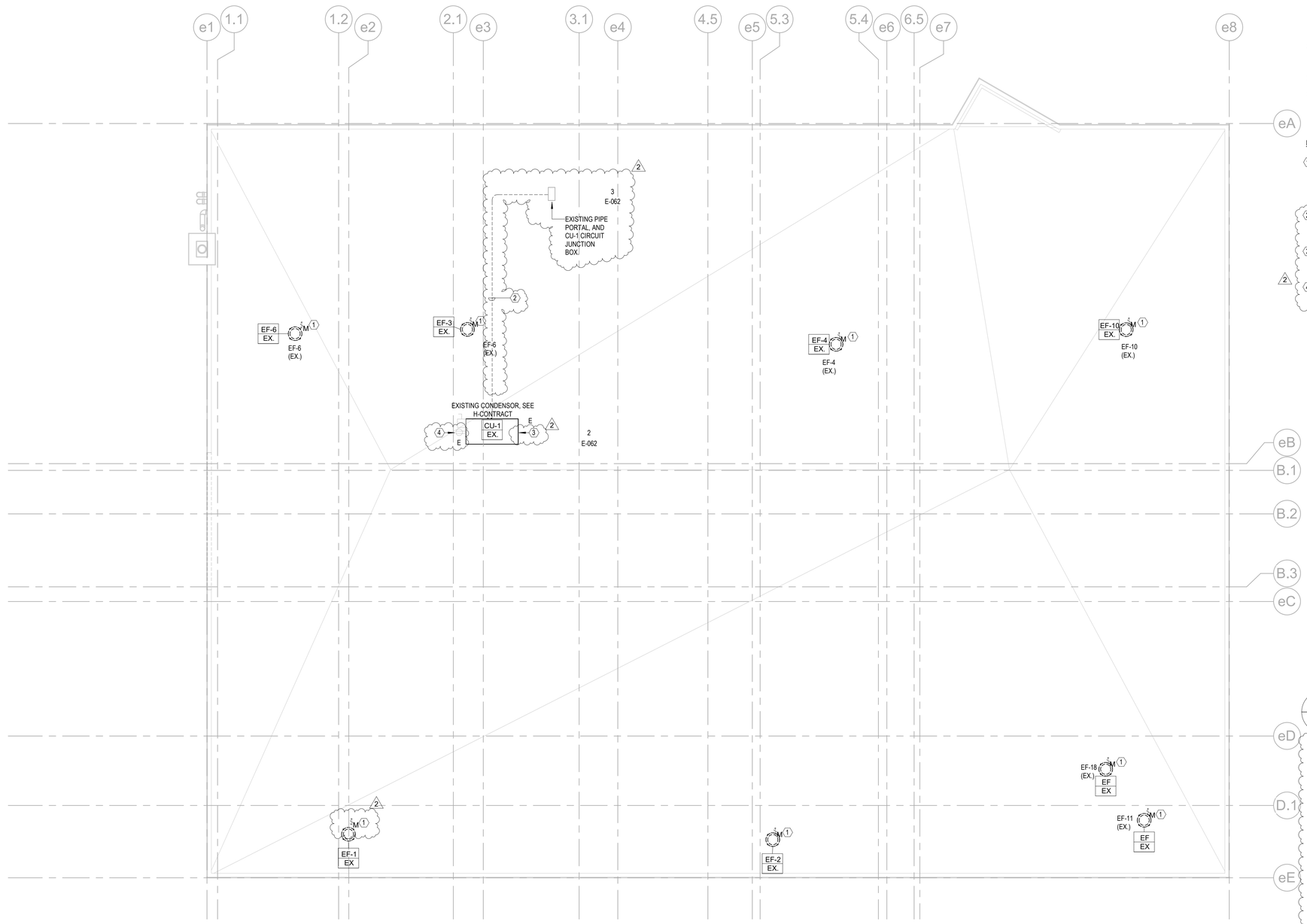
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE: UPPER LEVEL REMOVAL PLAN

DRAWING NUMBER: E-061



D 1 / E-062 ROOF PLAN REMOVALS

SCALE: 1/8" = 1'-0"

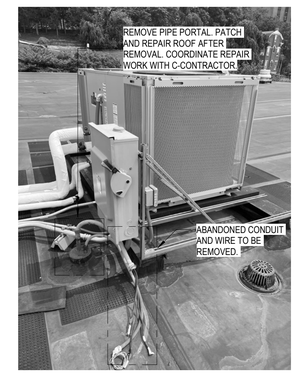
0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES

1. REFR TO E-001 FOR SYMBOLS, ABBREVIATIONS & NOTES.
2. PROTECT EXISTING EQUIPMENT FROM DUST AND DEBRIS DURING REMOVAL WORK.
3. WHERE REMOVAL BACK TO SOURCE IS INDICATED, THE SOURCE REFERS TO THE PANELBOARD, DATA RACK, OR CONTROL PANEL WHERE THE POWER CIRCUIT, DATA LINE, OR CONTROL SIGNAL ORIGINATES.

E-062 KEY NOTES

1. REMOVE EXISTING EXHAUST FAN DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO THE SOURCE PANEL BOARD. PATCH AND REPAIR ROOF PENETRATIONS AFTER REMOVAL. COORDINATE REPAIR WORK WITH C-CONTRACTOR, AND EXTENT OF REMOVAL REQUIRED FOR CONNECTION TO MECHANICAL EQUIPMENT WITH H-CONTRACTOR.
2. REMOVE EXISTING 1-1/2" CONDUIT AND WIRING FROM JUNCTION BOX AT PIPE PORTAL TO EXISTING CU-1. REMOVE ½" CONDUIT AND WIRING FROM JUNCTION BOX TO MAINTENANCE OUTLET ADJACENT TO CU-1.
3. COORDINATE REMOVAL OF COMMUNICATION WIRING FOR RTU CONTROLLER WITH H-CONTRACTOR. REMOVE EXISTING CONDUIT ROUTED ALONG ROOF FROM UNIT TO PIPE PORTAL.
4. DISCONNECT EXISTING RECEPTACLE FROM EXISTING CIRCUIT AND REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE PANELBOARD.



D 2 / E-062 EXISTING CONDUIT AND WIRE

SCALE: N.T.S.

D 3 / E-062 EXISTING CU-1 PIPE PORTAL

SCALE: N.T.S.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
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CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
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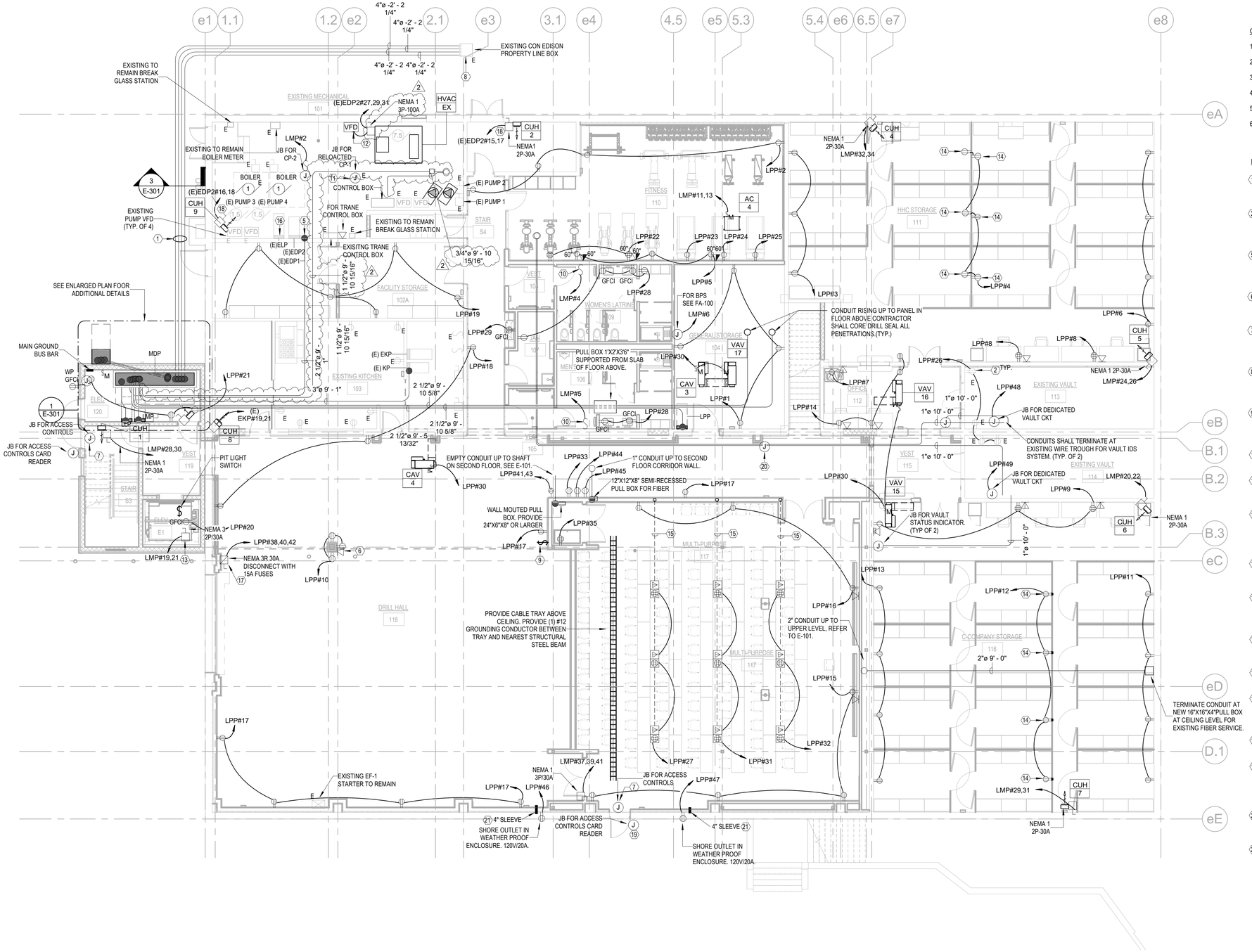
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
ROOF LEVEL REMOVAL PLAN

DRAWING NUMBER:
E-062



GENERAL NOTES:

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO E-700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E-600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E-501 FOR SINGLE LINE.
5. COORDINATE EXACT ROUTING OF CONDUITS IN THE FIELD.
6. REFER TO DETAIL SHEET E-702 DETAIL 8 FOR SWITCHED RECEPTACLE WIRING DETAIL. COORDINATE EXACT WIRING NEEDED WITH LIGHTING CONTROLS SYSTEM MANUFACTURER.

E-100 KEY NOTES

1. PROVIDE (4) 4" CONDUITS IN TRENCH AT MINIMUM 24" BELOW GRADE, FIELD COORDINATE EXACT ROUTING. REFER TO DRAWING E501.00 FOR ADDITIONAL NOTES AND E-301 DETAIL 3 FOR DUCTBANK DETAIL.
2. RECONNECT EXISTING OUTLETS TO THE LPP PANEL USING THE NOTED CIRCUIT. WHERE SPLICING INTO THE EXISTING CIRCUIT IS NOT FEASIBLE DUE TO SITE CONDITIONS, PROVIDE A HOMERUN FROM THE PANEL TO THE OUTLETS.
5. PROVIDE A 100A SHUNT TRIP BREAKER FOR ELEVATOR POWER IN PANEL (E)DP1, SPACE #1. PROVIDE CONDUIT AND WIRING FROM SHUNT TRIP BREAKER TO ELEVATOR CONTROLLER AND DISCONNECTS AS REQUIRED. SIZE WIRING PER SHUNT TRIP MANUFACTURER'S RECOMMENDATIONS.
6. PROVIDE DATA DROP FOR WIRELESS ACCESS POINT. PROVIDE NEMA 1 BOX WITH MOUNTING PLATE, AND COORDINATE EXACT MOUNTING HEIGHT WITH C CONTRACTOR.
7. PROVIDE 6"X6"X4" JUNCTION BOX ABOVE DOOR FOR LOW VOLTAGE WIRING BETWEEN CARD READER, DOOR STRIKES, AND SECURITY PANEL. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING FROM JB TO THE SECOND FLOOR IT ROOM. REFER TO E701 DETAIL 3 FOR ADDITIONAL INFORMATION.
8. PROPERTY LINE BOX SHALL BE MODIFIED AS NEEDED TO TERMINATE THE NEW SERVICE ENTRANCE CONDUCTORS. PROVIDE ANY PATCHING AND REPAIRS AS NEEDED AND COORDINATE CONDUIT TERMINATION REQUIREMENTS WITH CON EDISON SPECIFICATIONS.
9. PROVIDE A 3-BUTTON RAISE/LOWER AND OPEN/CLOSE LOW VOLTAGE SWITCH FOR CONTROL OF SHADES. PROVIDE ALL REQUIRED CONTROL WIRING RECOMMENDED BY THE MANUFACTURER BETWEEN THE SHADE SWITCH AND THE SHADE MOTORS IN 3/4" CONDUIT.
10. PROVIDE DISCONNECT SWITCH FOR HAND DRYER INSTALLED ABOVE THE CEILING. PROVIDE LABEL INDICATING "HAND DRYER DISCONNECT"
11. RECONNECT THE BRANCH CIRCUIT FOR THE CIRCULATION PUMP. SPLICE AND EXTEND EXISTING WIRING AS NEEDED. COORDINATE THE EXACT LOCATION WITH THE P-CONTRACTOR.
12. PROVIDE POWER TO HVAC-1 VIA NEW VFD PROVIDED BY H-CONTRACTOR AND INSTALLED BY E-CONTRACTOR. PROVIDE A 3 POLE 100A CIRCUIT BREAKER IN SPACE MADE AVAILABLE BY REMOVAL OF EXISTING 40A BREAKER IN EXISTING EDP PANEL. THE EXACT LOCATION IN THE FIELD AND PROVIDE MOUNTING SUPPORTS AS NEEDED.
13. PROVIDE NEMA 3R DISCONNECT FOR SUMP SP-1 AND ALL REQUIRED WIRING AND CONDUIT BETWEEN SWITCH AND PUMP CONTROLLER. INSTALL PUMP CONTROLLER, AND WIRING BETWEEN CONTROLLER AND SENSOR.
14. SUPPORT RECEPTACLE BACKBOX AND RMC CONDUIT FROM CAGE STRUCTURE. COORDINATE EXACT LOCATION WITH C-CONTRACTOR BEFORE INSTALLING RECEPTACLE. WHERE NECESSARY, PROVIDE KINDORF SUPPORTS TO SUPPORT THE RECEPTACLE AND RACEWAY.
15. PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 1" CONDUIT FOR DATA IN TRENCH FROM WALL TO FLOOR BOX. STUB UP DATA CONDUIT ABOVE THE CEILING AND PROVIDE PLASTIC BUSHINGS WITH PULL STRING.
16. SPLICE AND EXTEND EXSITING SITE LIGHTING CIRCUIT PROTECTED DURING REMOVAL WORK, AND RECONNECT IT TO AVAILABLE SPARE IN ELP.
17. INSTALL THE ROLL-UP DOOR CONTROL SWITCH AND PROVIDE ALL WIRING AND CONDUIT BETWEEN THE MOTOR DISCONNECT SWITCH AND THE ROLL-UP DOOR CONTROL SWITCH. COORDINATE ALL WIRING REQUIREMENTS WITH MANUFACTURER'S INSTALLATION PROCEDURES.
18. PROVIDE (1) 2P-20A CIRCUIT IN SPARE MADE AVAILABLE BY REMOVAL WORK IN PANEL (E)EDP2 FOR POWER TO CUH.
19. PROVIDE A WALL MOUNTED NEMA 4X BOX FOR CARD READER. CORE DRILL EXTERIOR WALL AND PROVIDE A 3/4" CONDUIT FOR WIRING BETWEEN THE CARD READER AND THE JUNCTION BOX ABOVE DOOR FRAME. PROVIDE LINK-SEAL OR OTHER EQUIVALENT SEALANT METHOD TO ENSURE A WATERTIGHT PENETRATION.
20. JB FOR CAMERA. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING AND PLASTIC BUSHINGS FROM CAMERA LOCATION TO IT ROOM ON THE SECOND FLOOR.
21. PROVIDE 4" SLEEVES CAPED ON BOTH ENDS. PROVIDE LINK-SEALS AND ENSURE WATER TIGHT PENETRATION OF EXISTING EXTERIOR WALL. COORDINATE WORK WITH C-CONTRACTOR AND OTHER TRADES.

D 1 / E-100 LOWER LEVEL

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

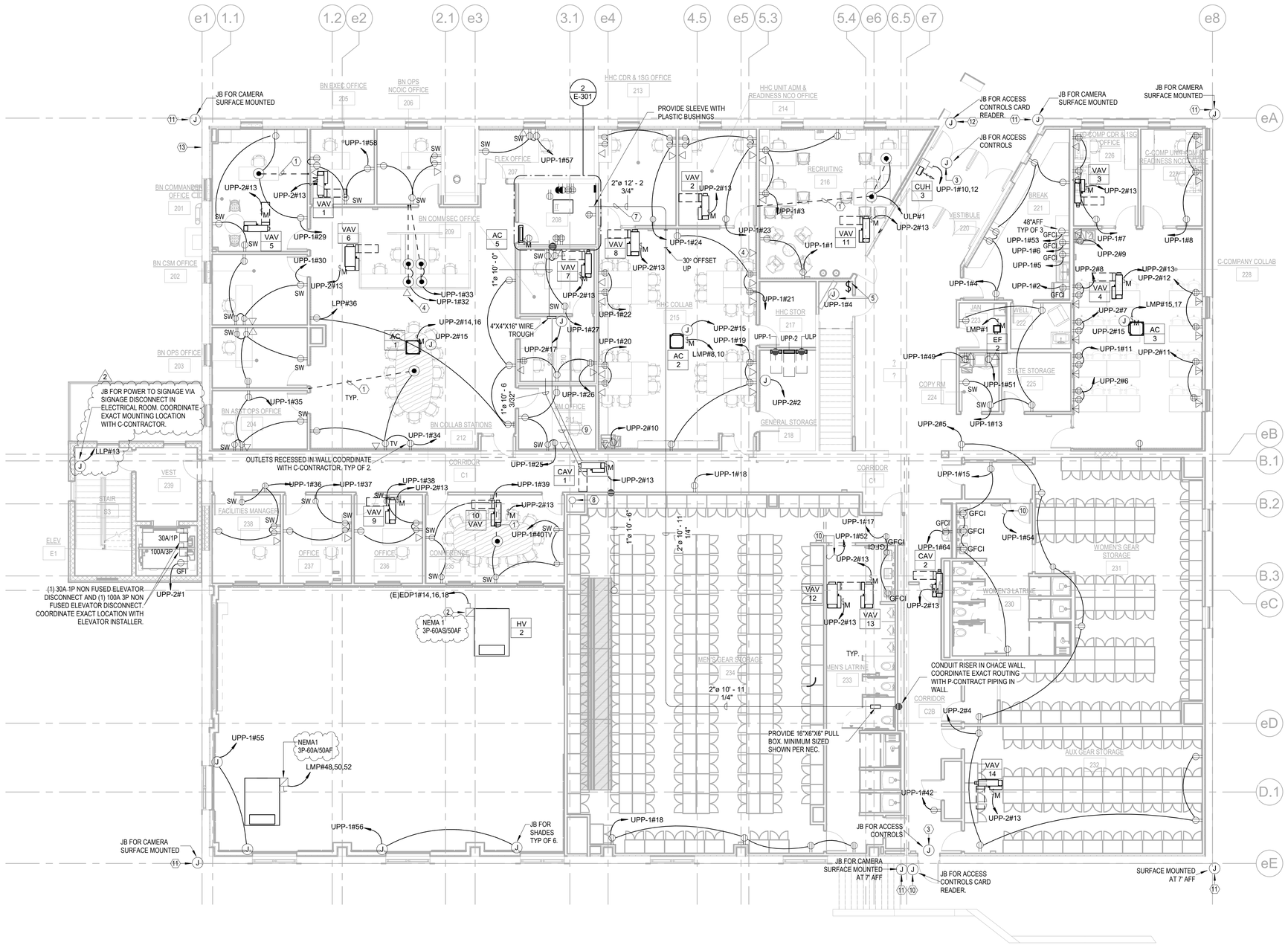
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE: LOWER LEVEL POWER PLAN

DRAWING NUMBER: E-100



D 1 UPPER LEVEL
E-101 SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO E-700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E-600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E-501 FOR SINGLE LINE.
5. COORDINATE EXACT ROUTING OF CONDUITS IN THE FIELD.
6. REFER TO DETAIL SHEET E-702 DETAIL 8 FOR SWITCHED RECEPTACLE WIRING DETAIL. COORDINATE EXACT WIRING NEEDED WITH LIGHTING CONTROLS SYSTEM MANUFACTURER.

E-101 KEY NOTES

1. PROVIDE ONE (1) 3/4" CONDUIT FOR POWER AND ONE (1) 1" EMPTY CONDUIT WITH PULL STRING FOR DATA, ROUTED IN THE SPACE ABOVE THE CEILING OF THE FLOOR BELOW. TERMINATE DATA CONDUIT ABOVE CEILING WITH PLASTIC BUSHING.
2. PROVIDE A 3-POLE 50A BREAKER IN SPACE MADE AVAILABLE BY THE REMOVAL OF EXISTING 20A BREAKER FOR HV-2 IN PANEL (E)EDP1. PROVIDE POWER VIA A STARTER PROVIDED BY H-CONTRACTOR AND INSTALLED BY E-CONTRACTOR.
3. PROVIDE 6"X6"X4" JUNCTION BOX ABOVE DOOR FOR LOW VOLTAGE WIRING BETWEEN CARD READER, DOOR STRIKES, AND SECURITY PANEL. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING FROM JB TO THE SECOND FLOOR IT ROOM. REFER TO E701 DETAIL 3 FOR ADDITIONAL INFORMATION.
4. PROVIDE DATA DROP FOR WIRELESS ACCESS POINT. PROVIDE NEMA 1 BOX WITH MOUNTING PLATE, AND COORDINATE EXACT MOUNTING HEIGHT WITH C CONTRACTOR.
5. PROVIDE JB ABOVE THE CEILING AND A WALL-MOUNTED ON/OFF TOGGLE SWITCH FOR DISPLAY LIGHTING.
7. SPLICE AND EXTEND EXISTING FIBER CABLE AS NEEDED TO ALLOW FOR RELOCATION TO NEW IDF ROOM. COORDINATE SPLICING REQUIREMENTS/METHODS ALLOWED WITH THE SERVICE PROVIDED BEFORE PERFORMING THE WORK.
8. CONDUIT UP TO ROOF CAPPED FOR FUTURE USE. PROVIDE PLASTIC BUSHINGS AND PULL STRING. REFER TO ARCHITECT ROOF PENETRATION DETAILS, AND COORDINATE PENETRATION WITH C-CONTRACTOR.
9. SPLICE AND EXTEND EXISTING FIBER CABLE AS NEEDED TO ALLOW FOR RELOCATION TO NEW IDF ROOM. COORDINATE SPLICING REQUIREMENTS/METHODS ALLOWED WITH THE SERVICE PROVIDED BEFORE PERFORMING THE WORK.
10. PROVIDE A WALL MOUNTED NEMA 4X BOX FOR CARD READER. CORE DRILL EXTERIOR WALL AND PROVIDE A 3/4" CONDUIT FOR WIRING BETWEEN THE CARD READER AND THE JUNCTION BOX ABOVE DOOR FRAME. PROVIDE LINK-SEAL OR OTHER EQUIVALENT SEALANT METHOD TO ENSURE A WATERTIGHT PENETRATION.
11. PROVIDE A 3/4" CONDUIT FOR CAMERA WIRING FROM EXTERIOR JUNCTION BOX TO IT ROOM 208. PROVIDE LINK SEAL FOR WATERTIGHT PENETRATION OF EXTERIOR WALL. COORDINATE WORK WITH C-CONTRACTOR.
12. PROVIDE A WALL-MOUNTED NEMA 4X BOX FOR CARD READER AND VIDEO INTERCOM. CORE DRILL EXTERIOR WALL INTO ROOM 216 AND PROVIDE A 3/4" CONDUIT FOR WIRING BETWEEN THE INTERCOM/CARD READER AND THE JUNCTION BOX ABOVE DOOR FRAME. PROVIDE LINK-SEAL OR OTHER EQUIVALENT SEALANT METHOD TO ENSURE A WATERTIGHT PENETRATION.
13. PULL BACK AND PROTECT THE EXISTING CAT-6 CABLE ENTERING THE BUILDING AT OFFICE 201 FOR EXISTING EXTERIOR CAMERA. TURN OVER THE CAT-6 CABLE TO THE DIRECTOR'S REPRESENTATIVE AND PROVIDE A SLEEVE FOR THE EXISTING PENETRATION AS NEEDED.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

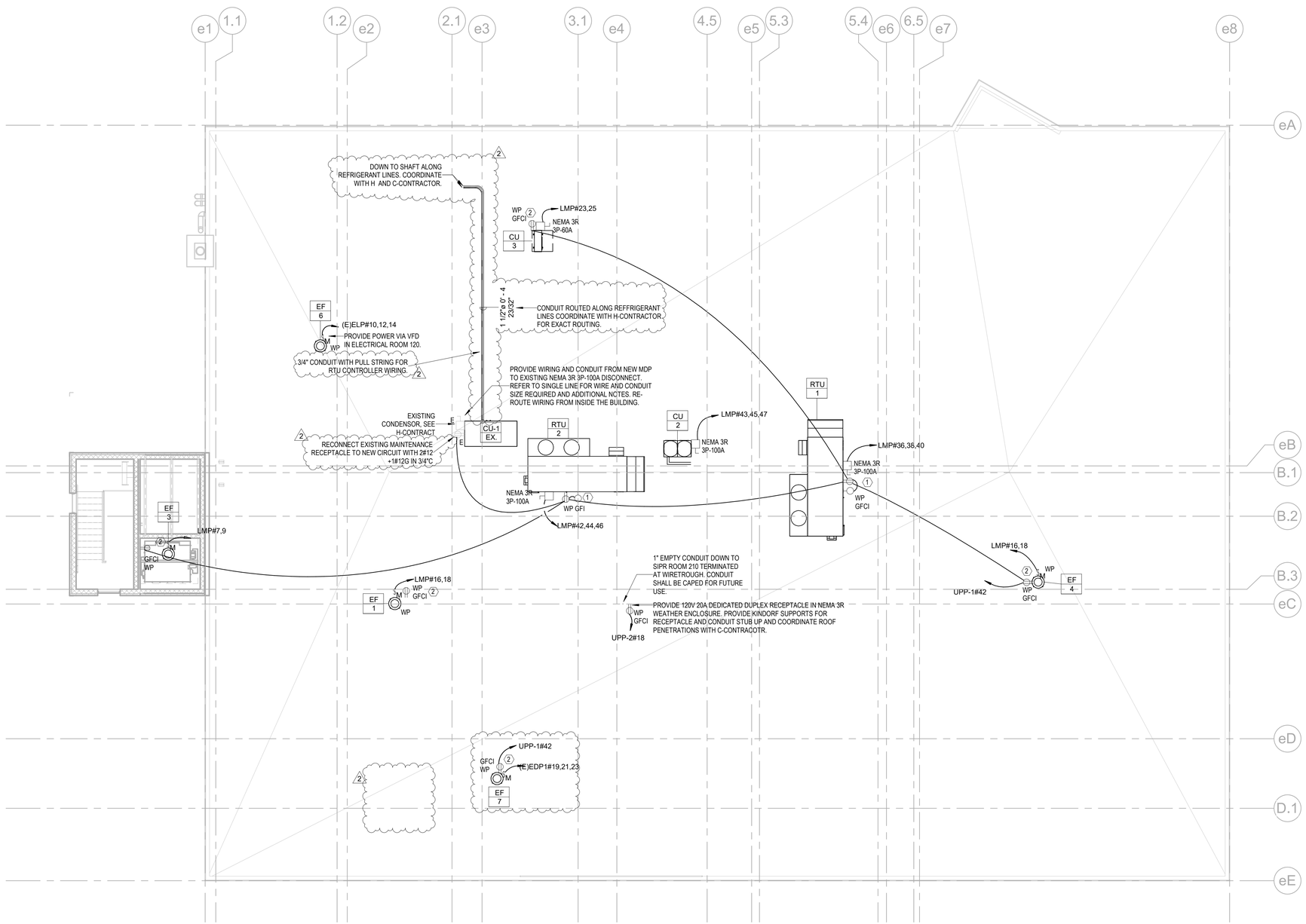
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
UPPER LEVEL POWER PLAN

DRAWING NUMBER:
E-101

SHEET 180 OF 198



D 1 E-102 ROOF PLAN

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO E-700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E-600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E-501 FOR SINGLE LINE.
5. DISCONNECTS FOR MECHANICAL EQUIPMENT ARE PROVIDED BY H-CONTRACTOR AND INSTALLED/WIRED BY E-CONTRACTOR UNLESS OTHERWISE NOTED.
6. COORDINATE ROOF PENETRATIONS FOR POWER TO ALL MECHANICAL EQUIPMENT AND MAINTENACE RECEPTACLES/LIGHTS WITH C-CONTRACTOR AND H-CONTRACTOR.
7. EXISTING ROOF IS UNDER WARRANTY. PROTECT THE ROOF AND EXISTING EQUIPMENT WHILE PERFORMING ALL OF THE SCOPE OF WORK AFFECTING THE ROOF. OBTAIN AND PAY FOR THE SERVICES OF A CERTIFIED AND APPROVED ROOFER TO REPAIR ANY DAMAGE TO THE WARRANTIED ROOF, SUBJECT TO APPROVAL BY THE DIRECTOR'S REPRESENTATIVE.

E-102 KEY NOTES

1. PROVIDE VAPORPROOF LIGHT FIXTURE WITH GUARD, REFER TO E701 DETAIL 2 FOR FIXTURE MODEL AND MOUNTING DETAIL.
2. PROVIDE SLOTTED METAL SUPPORTS FOR MOUNTING MAINTENANCE OUTLETS. PATCH, PAINT, AND REPAIR EXISTING ROOF AREAS WHER SUPPORTS ARE INSTALLED.

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DESIGN & CONSTRUCTION

CONSULTANT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026

EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

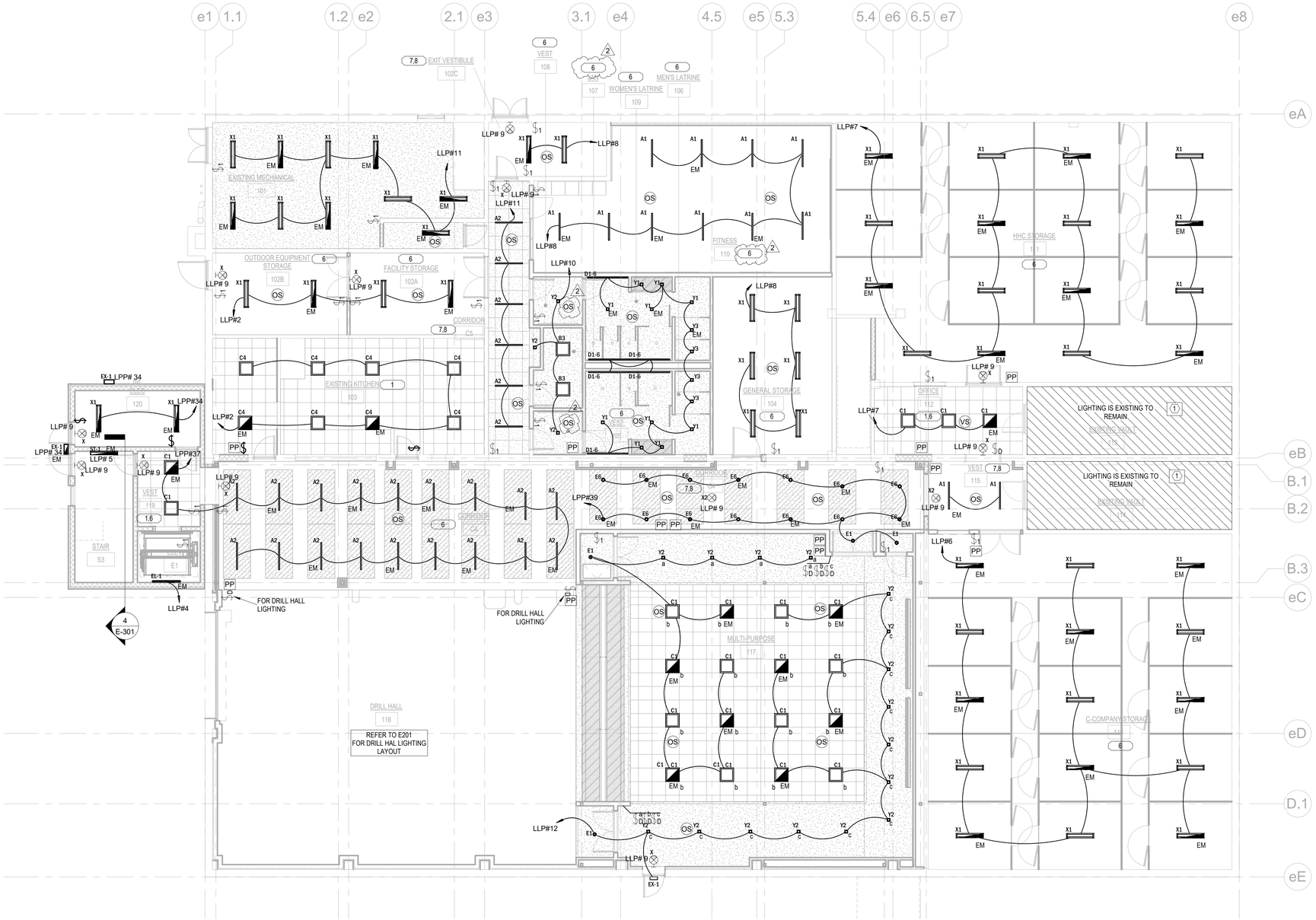
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE: ROOF POWER PLAN

DRAWING NUMBER: **E-102**



D 1
E-200
LOWER LEVEL
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

GENERAL NOTES:

1. REFER TO E001.00 FOR SYMBOLS, ABBREVIATIONS, NOTES AND LIGHTING CONTROL SCHEDULE.
2. REFER TO E700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E502.00 FOR LIGHTING FIXTURE SCHEDULE.

E-200 KEY NOTES

1. RECONNECT EXISTING FIXTURES TO PANE ELP CIRCUIT #4 WITH 2#12+1#12G IN 3/4" CONDUIT.

LIGHTING CONTROL SEQUENCE OF OPERATION

X.X.X.X	REQUIRED CONTROL OPERATION	DESCRIPTION
1	RESTRICTED TO MANUAL ON	NONE OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON.
2	BILEVEL LIGHTING CONTROL	CONTROL GENERAL LIGHTING TO PROVIDE CONTINUOUS DIMMING, AS WELL AS FULL-ON AND FULL-OFF OPERATION.
3	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR PRIMARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN PRIMARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
4	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SECONDARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN SECONDARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. USE PHOTOCONTROLS THAT ARE INDEPENDENT FROM THOSE IN PRIMARY SIDELIGHTED AREAS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
5	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOPLIGHTING	CONTROL GENERAL LIGHTING IN PRIMARY TOPLIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
6	AUTOMATIC FULL OFF	AUTOMATICALLY SHUT OFF ALL LIGHTING FIXTURES WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
7	PARTIAL OFF	AUTOMATICALLY DIMM FIXTURES TO 50% WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
8	SCHEDULED SHUTOFF	ALL LIGHTING IN THE SPACE SHALL BE AUTOMATICALLY SHUT OFF DURING PERIODS WHEN THE SPACE IS SCHEDULED TO BE UNOCCUPIED.
N/A	20A SNAP SWITCH TO SERVE ROOM.	PROVIDE 20A 1P SNAP SWITCH TO ENABLE LIGHTING CONTROL FUNCTIONALITY WITHIN THE SPACE.

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ENERGY CODE COMPLIANCE STATEMENT:

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07/20/2026
EXP. 09/30/2026

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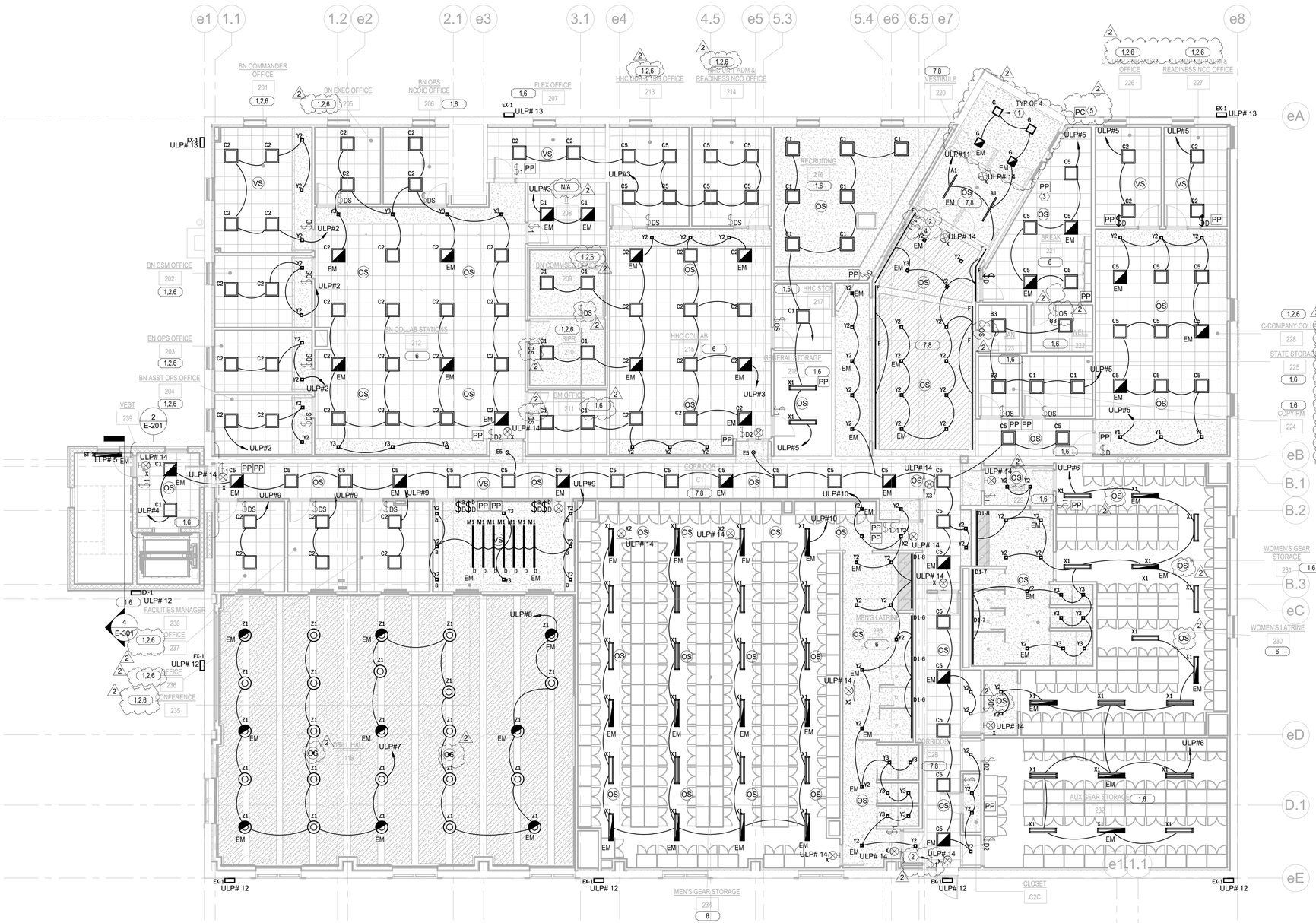
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
LOWER LEVEL LIGHTING PLAN

DRAWING NUMBER:
E-200



GENERAL NOTES:

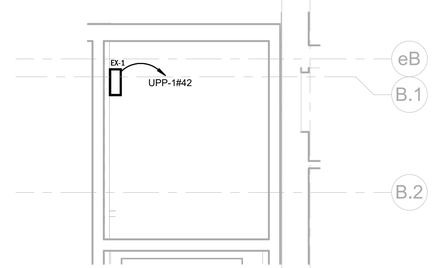
1. REFER TO E001.00 FOR SYMBOLS, ABBREVIATIONS, NOTES AND LIGHTING CONTROL SCHEDULE.
2. REFER TO E700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E502.00 FOR LIGHTING FIXTURE SCHEDULE.

E-201 KEY NOTES

1. RE-UTILIZE EXISTING PATHWAYS (CONDUIT AND WIRING) PROTECTED FROM REMOVAL SCOPE TO PROVIDE POWER TO NEW CANOPY FIXTURES FROM NEW CIRCUIT. SPLICE AND EXTEND CIRCUIT AS NEEDED ABOVE ACCESSIBLE CEILING TO CONNECT NEW FIXTURES. PATCH AND REPAIR CANOPY CEILING AS REQUIRED AFTER WORK IS FINALIZED.
2. RE-UTILIZE EXISTING PATHWAYS (CONDUIT AND WIRING) PROTECTED FROM REMOVAL SCOPE TO PROVIDE POWER TO NEW CANOPY FIXTURES FROM NEW CIRCUIT. SPLICE AND EXTEND CIRCUIT AS NEEDED ABOVE ACCESSIBLE CEILING TO CONNECT NEW FIXTURES. PATCH AND REPAIR CANOPY CEILING AS REQUIRED AFTER WORK IS FINALIZED.
3. PROVIDE POWER PACK ABOVE CEILING FOR CONTROL OF TYPE G FIXTURES AND INTERCONNECT WITH THE PHOTOCELL ON ROOF.
4. PROVIDE ON/OFF SWITCH FOR MANUAL OVERRRIDE OF TYPE G CANOPY FIXTURES.
5. PROVIDE PHOTOCELL INSTALLED ON THE ROOF FACING NORTH. PROVIDE ALL REQUIRED WIRING AND PROGRAMMING TO INTERCONNECT TO WITH THE ASSOCIATED ROOM CONTROLLER.

D 1 / E-201 UPPER LEVEL
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"



D 2 / E-201 ROOF - BULKHEAD EXTERIOR LIGHTING
SCALE: 1/4" = 1'-0"

LIGHTING CONTROL SEQUENCE OF OPERATION

(X.X.X.X)	REQUIRED CONTROL OPERATION	DESCRIPTION
1	RESTRICTED TO MANUAL ON	NONE OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON.
2	BILEVEL LIGHTING CONTROL	CONTROL GENERAL LIGHTING TO PROVIDE CONTINUOUS DIMMING, AS WELL AS FULL-ON AND FULL-OFF OPERATION.
3	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR PRIMARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN PRIMARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
4	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SECONDARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN SECONDARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. USE PHOTOCONTROLS THAT ARE INDEPENDENT FROM THOSE IN PRIMARY SIDELIGHTED AREAS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
5	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOPLIGHTING	CONTROL GENERAL LIGHTING IN PRIMARY TOPLIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
6	AUTOMATIC FULL OFF	AUTOMATICALLY SHUT OFF ALL LIGHTING FIXTURES WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
7	PARTIAL OFF	AUTOMATICALLY DIMM FIXTURES TO 50% WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
8	SCHEDULED SHUTOFF	ALL LIGHTING IN THE SPACE SHALL BE AUTOMATICALLY SHUT OFF DURING PERIODS WHEN THE SPACE IS SCHEDULED TO BE UNOCCUPIED.
N/A	20A SNAP SWITCH TO SERVE ROOM.	PROVIDE 20A 1P SNAP SWITCH TO ENABLE LIGHTING CONTROL FUNCTIONALITY WITHIN THE SPACE.

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STATE OF NEW YORK · RAYMOND C. VOGT · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
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LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

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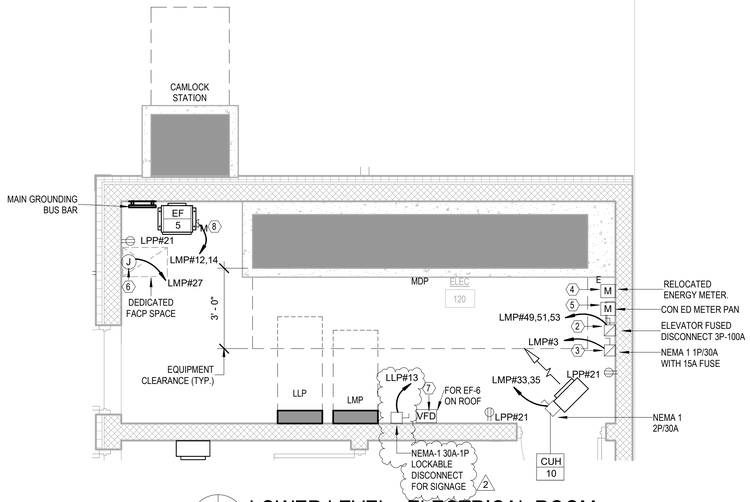
PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

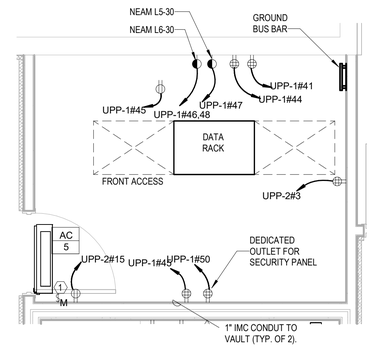
SHEET TITLE:
UPPER LEVEL LIGHTING PLAN

DRAWING NUMBER:
E-201



D 1 / E-301 LOWER LEVEL - ELECTRICAL ROOM
SCALE: 3/8" = 1'-0"

0' 1'-4" 2'-8" 5'-4"

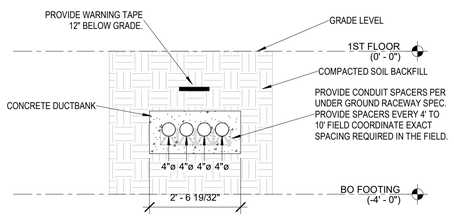


D 2 / E-301 UPPER LEVEL - IT-208
SCALE: 3/8" = 1'-0"

0' 1'-4" 2'-8" 5'-4"

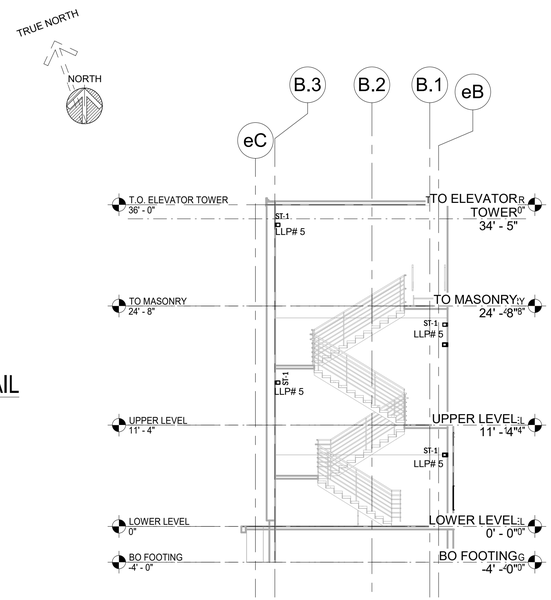
E-301 KEY NOTES

1. PROVIDE POWER TO INDOOR UNIT FROM OUTDOOR UNIT WITH 2#12+1#12G IN 3/4" CONDUIT. ROUTE POWER WIRING ALONG REFRIGERANT LINES. COORDINATE ROUTING WITH H-CONTRACTOR.
2. PROVIDE ONE (1) 100A, 3-POLE, LOCKABLE DISCONNECT WITH 100A FUSES. INCLUDE AUXILIARY DRY CONTACTS FOR CONNECTION TO THE ELEVATOR CONTROLLER.
3. PROVIDE ONE (1) 30A, SINGLE-POLE, LOCKABLE DISCONNECT WITH A 15A FUSE. INCLUDE AUXILIARY DRY CONTACTS FOR CONNECTION TO THE ELEVATOR CONTROLLER.
4. PROVIDE WIRING BETWEEN SUBMETERING CTS IN THE NEW SWITCHBOARD AND RELOCATED METER IN 3/4" CONDUIT. RECONNECT GAS METER PULSE REGISTER TO THE RELOCATED ELECTRICAL METER IN THE NEW ELECTRICAL ROOM WITH 18/2 WIRE IN ½" CONDUIT. PROVIDE NEW RS-485 WIRES BETWEEN THE METER AND THE EXISTING ADVANCED METERING CONTROLLER IN THE BOILER ROOM.
5. INSTALL METER PER CON ED STANDARDS. PROVIDE 1" CONDUIT WITH (10)#10 WIRES BETWEEN METER AND CT CABINET.
6. PROVIDE 1P/20A LOCKABLE BREAKER.
7. PROVIDE 1HP 16A RATED MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION FOR EF-5. PROVIDE STARTER WITH PILOT LIGHT IN NEMA 1 ENCLOSURE. BASIS OF DESIGN IS SCHNEIDER TYPE FG2P.
8. PROVIDE 1HP 16A RATED MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION FOR EF-5. PROVIDE STARTER WITH PILOT LIGHT IN NEMA 1 ENCLOSURE.



D 3 / E-301 UNDERGROUND SERVICE ENTRANCE CONDUIT DETAIL
SCALE: 1/2" = 1'-0"

0' 1'-0" 2'-0" 4'-0"



D 4 / E-301 STAIR LIGHTING SECTION
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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DESIGN & CONSTRUCTION

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07/20/2026
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TITLE:
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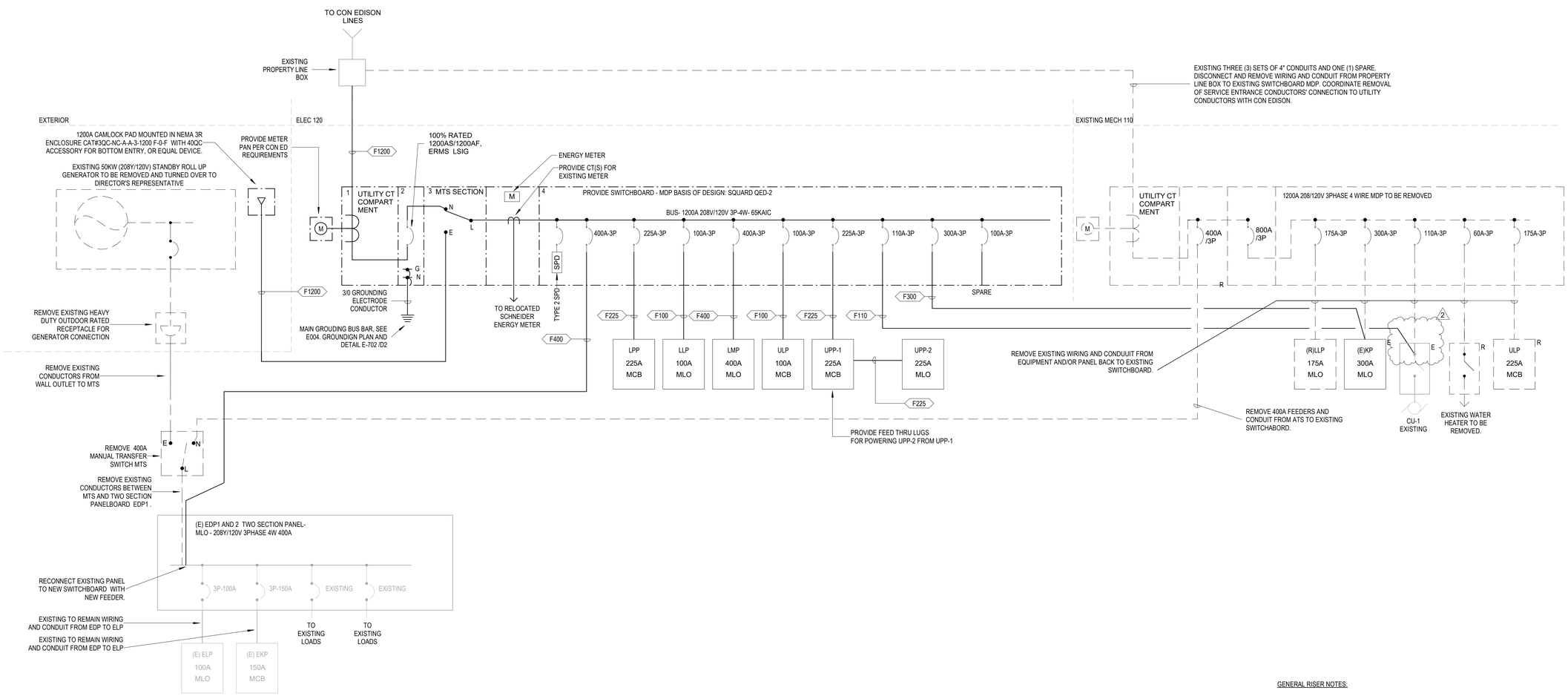
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
ENLARGED PLANS

DRAWING NUMBER:
E-301

SHEET 184 OF 198



FEEDER SCHEDULE	
TAG	WIRE & CONDUIT SIZE
F100	4#1 + 1#8 G IN 1 1/2"C
F110	4#1 + 1#6 G IN 1 1/2"C
F225	4#4/0 + 1#4 G IN 2 1/2"C
F300	350 KCMIL + 1#4 G IN 3"C
F400	(4)600 KCMIL + 1#3 G IN 4"C
F1200	3 SETS OF 4-500KCMIL IN 3 4"C +1 SPARE 4"C

GENERAL RISER NOTES:

1. REFER TO E001.00 FOR LINE TYPE AND SYMBOLS USED IN RISER DIAGRAM.
2. "R" INDICATES EQUIPMENT TO BE REMOVED.
3. "E" INDICATES EQUIPMENT EXISTING TO REMAIN.
4. REFER TO E702 DETAIL 6 FOR NEW SWITCHBOARD ELEVATION DETAIL.

2

D 1 E-501

POWER SYSTEM SINGLE LINE - FULL BUILDING BACKUP

SCALE: N.T.S.

SWITCHBOARD: MDP

LOCATION: ELEC 120 **VOLTAGE:** 120/208 Wye **A.I.C. RATING:** 65K
FED FROM: **PHASES:** 3 **BUS RATING:** 1200 A
MOUNTING: PAD **ENCLOSURE:** NEMA 1 **OCP RATING:** 1200 A

CKT	CIRCUIT DESCRIPTION	POLES	OCP	FEEDER SIZE	VA	NOTES
1	(E)EDP1+(E)EDP2	3	400 A	SEE SINGLE LINE	106192 VA	
2	LPP	3	225 A	SEE SINGE LINE	38700 VA	
3	LLP	3	100 A	SEE SINGE LINE	6642 VA	
4	LMP	3	400 A	SEE SINGE LINE	122819 VA	
5	ULP	3	100 A	SEE SINGLE LINE	11880 VA	
6	UPP-1 &UPP-2	3	225 A	SEE SINGE LINE	60612 VA	
7	EXISTING CU-1	3	100 A	EXISTING	19800 VA	
8	(E) KP	3	300 A	SEE SINGLE LINE	29800 VA	
9	Spare	1	100 A	--	0 VA	
10	Spare	1	100 A	--	0 VA	
				TOTAL DEMANDED LOAD :	367145 VA	
				TOTAL DEMANDED AMPS:	1019 A	
				TOTAL CONNECTED LOAD:	396361 VA	
				TOTAL CONNECTED AMPS:	1100 A	

PANEL LIST

PANEL NAME	BUSSING	MAINS TYPE	MAINS	MOUNTING	KAIC	LOCATION
(E)ELP	100A	MLO	100 A	SURFACE	22K	EXISTING MECHANICAL 101
(E)EDP2	400A	MLO	100 A	SURFACE	22K	EXISTING MECHANICAL 101
(E)EDP1	400A	MLO	100 A	SURFACE	22K	EXISTING MECHANICAL 101
(E) EKP	200A	MLO	100 A	SURFACE	22K	KIT STOR 103B
(E) KP	400A	MLO	400 A	SURFACE	22K	KIT STOR 103B
MDP	1200A	MCB	1200 A	PAD	65K	ELEC 120
LPP	400 A	MCB	225 A	SURFACE	22	GENERAL STORAGE 104
LLP	200A	MLO	100 A	SURFACE	22	ELEC 120
LMP	400A	MLO	400 A	SURFACE	22	ELEC 120
UPP-1	400A	MCB	225 A	SURFACE	22	GENERAL STORAGE 218
ULP	125A	MCB	100 A	SURFACE	22	GENERAL STORAGE 218
CAMLOCK STATION	1200A	MLO	1200 A	PAD	65	EXTERIOR
UPP-2	225A	MLO	225 A	SURFACE	22K	GENERAL STORAGE 218

PROVIDE OVER-CURRENT PROTECTION DEVICE SHORT-CIRCUIT, COORDINATION AND ARC FLASH STUDIES ON ALL THE ELECTRICAL EQUIPMENT INDICATED ON THIS DRAWING TO THE ENGINEER PRIOR TO RECEIVING FINAL APPROVAL OF THE DRAWINGS AND/OR PRIOR TO RELEASE OF EQUIPMENT DRAWINGS FOR MANUFACTURING. SUBMIT COPY OF SWITCHBOARD SHOP DRAWING TO THE UTILITY FOR APPROVAL.

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DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

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DRAWN BY: DA
FIELD CHECK: RW/HS
APPROVED: RW/HS

SHEET TITLE:
POWER SYSTEM SINGLE LINE

DRAWING NUMBER:
E-501

LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	DESCRIPTION	CATALOG #	LUMEN PACKAGE	VOLTAGE	WATTAGE	REMARKS
A1	PRUDENTIAL LIGHTING	2" WIDE 4FT LONG PENDANT LINEAR MO DIRECT LO INDIRECT	BPRO2-LIN-LED-35K-MOBTW-LOSCW- DM01	4030 lm	120 V	31 VA	1,2
A2	PRUDENTIAL LIGHTING	2" WIDE 4FT LONG PENDANT LINEAR LO DIRECT LO INDIRECT	BPRO2-LED35-LOBTW-LOSCW-DM01	4030 lm	120 V	31 VA	1,2
B3	ELITE	2X2 LED FLAT PANEL	22-FPL1-LED-3000L-DIM10-MVOLT-35K-85	31991 lm	120 V	33 VA	1
C1	ELITE	2X2 RECESSED LED SOFT LIGHT - 4000 LUMENS	22-OVHP-LED-4000L-DIM10-MVOLT-35K-85	4089 lm	120 V	33 VA	1
C2	ELITE	2X2 RECESSED LED SOFT LIGHT - 5000 LUMENS	22-OVHP-LED-5000L-DIM10-MVOLT-35K-85	5015 lm	120 V	41 VA	1
C4	ELITE	2X2 RECESSED LED KITCHEN LIGHT - 5000 LUMENS	22-FPL2-BL-LED-5000L-DIM10-MVOLT-36K-85	5028 lm	120 V	53 VA	1
C5	ELITE	2X2 RECESSED LED SOFT LIGHT - 3400 LUMENS	22-OVHP-LED-3400L-DIM10-MVOLT-35K-85	3771 lm	120 V	30 VA	1
D1-6	PRUDENTIAL LIGHTING	6FT RECESSED LINEAR PFL DISTRIBUTION	BPRO2REC -FLSH-LED35-MO-PFL-6FTRUN	3600 lm	120 V	30 VA	1,3
D1-7	PRUDENTIAL LIGHTING	7FT RECESSED LINEAR PFL DISTRIBUTION	BPRO2REC -FLSH-LED35-MO-PFL-7FTRUN	4200 lm	120 V	30 VA	1,3
D1-8	PRUDENTIAL LIGHTING	8FT RECESSED LINEAR PFL DISTRIBUTION	BPRO2-REC-FLUSH-LED35K-MOPFL-8FTRUN	4800 lm	120 V	30 VA	1,3
E1	ELITE LIGHTING	4" HIGH LUMEN DOWNLIGHT	HH4-LED-2000L-DIM10-MVOLT-WD-35K-90-HH4-4501-CL-WH	2054 lm	120 V	25 VA	1
E5	ELITE LIGHTING	4" HIGH LUMEN DOWNLIGHT	HH4-LED-900L-DIM10-MVOLT-MD-35K-90-HH4-4501-CL-WH	961 lm	120 V	12 VA	1
E6	ELITE LIGHTING - MAXI LUME	6" SUSPENDED MOUNT ARCHITECTURAL LED CYLINDER	SCH6-LED-SM-2000L-DIM10-MVOLT-VW-WD-35K-90-HH6-6501-CL-WH	2102 lm	120 V	18 VA	1,2
2 E1	ACUITY BRANDS	VAPORT TIGHT LED STRIP LIGHT FOR ELEVATOR PIT	CSVT L48 5000LM MVOLT 40K 80CRI	4946 lm	120 V	42 VA	1
EX-1	LUMECON	FULL CUTOFF EXTERIOR WALL PACK	BLS-FCW-45-1-40	6431 lm	120 V	45 VA	1,2,5
F	MICROLUX	FULLY ENCASED FLEXIBLE TAPE LED - COVE LIGHT	MLUX-30-24-3000K	1380 lm	120 V	<varies>	7,8
2 G	ELITE	9" SQUARE LED SURFACE MOUNT WE LOCATION RATED.	RL995-1200L-DIMTR-120-30-90-WH	1325 lm	120 V	19 VA	1,2
M1	ELITE	SUSPENDED LINEAR - DIRECT	OMLS-D-STANZA-SOFT-1-S-6FT-1HEIGHT-D500L-DF-DIM10-MVOLT-35K-85-COLOR	2297 lm	120 V	32 VA	1
ST-1	ELITE	4FT LED WITH WALL/CEILING BRACKET	4-OW1B-LED-6000L-DIM10-MVOLT-40K-85-OSM3D-DDW-50	5949 lm	120 V	50 VA	1,4
X	SIGNIFY -CLORIDE	WALL MOUNTED EXIT SIGN WITH BATTERY BACKUP,	44RLU1R		120 V	20 VA	6
X1	ELITE	4FT SUSPENDED/SURFACE LED	4-OER-LED-3000L-4000L-5000L-DIM10-35K-40K-50K-85(5000L)	4030 lm	120 V	31 VA	1
X2	SIGNIFY -CLORIDE	CEILING MOUNTED EXIT SIGNS WITH BATTERY BACKUP.	44RLU1R		120 V	5 VA	6
X3	SIGNIFY - CLORIDE	CEILING MOUNTED EXIT SIGNS DUAL FACE	44RLU2R		120 V	5 VA	6
Y1	ELITE	4" SQUARE DOWNLIGHT 2000LM	HH4SQ-LED-2000L-DIM10-MVOLT-MD-35K-90-LED-4614-CL-WH	2004 lm	120 V	22 VA	1
Y2	ELITE	4" SQUARE DOWNLIGHT 1500LM	HH4SQ-LED-1500L-DIM10-MVOLT-MD-35K-90-LED-4614-CL-WH	1484 lm	120 V	18 VA	1
Y3	ELITE	4" SQUARE DOWNLIGHT 1100LM - WET LOCATION RATED.	RL476-LED-850L-DIM10-120-347-35K-90-WH	940 lm	120 V	24 VA	1
Z1	PHILIPS DAY - BRITE - PHILIPS CFI	16 INCH DIA HGH BAY WITH LENS	RBX10L840-UNV-WT-ARR16S/ 16FL	11611 lm	120 V	87 VA	1

SCHEDULE REMARKS

1. PROVIDE EMERGENCY BATTERY BACKUP OPTION FOR FIXTURES LABELED "EM" ON PLAN.
2. COORDINATE ALL FIXTURE FINISHES AND CEILING MOUNTING HARDWARE REQUIRED WITH ARCHITECT.
3. COORDINATE EXACT FIXTURE LENGTHS REQUIRED WITH ARCHITECT CEILING PLANS. PROVIDE ALL REQUIRED HARDWARE TO PROVIDE SPECIFIED LINEAR FIXTURE RUNS. PROVIDE SHOP DRAWING INDICATING THE FINAL FIXTURE LENGTH.
4. PROVIDE INTEGRAL OCCUPANCY SENSOR FOR STAIR FIXTURE. PROGRAM OCCUPANCY SENSOR TO DIMM STAIR FIXTURES TO 50% LUMEN OUTPUT WHEN NO OCCUPANCY IS DETECTED AFTER 15 MUNUTES.
5. PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL.
6. PROVIDE EXIT SIGN WITH EM BATTERY BACKUP OPTION. COORDINATE MOUNTING HARDWARE, MOUNTING TYPE, AND NUMBER OF FACES WITH FLOOR PLANS.
2 7. PROVIDE SHOP DRAWING INDICATING EXACT FIXTURE LENGTHS. PROVIDE POWER SUPPLY CAT#PZM-ADPT-DRJ-96-24 AND FIELD COORDINATE EXACT LOCATION ABOVE ACCESSIBLE CEILINGS. PROVIDE MOUNTING CHANNEL CAT# MLUX-CHAN-3B AND PROVIDE ALL REQUIRED MOUNTING ACCESSORIES FOR A COMPLETE INSTALLATION.
8. FIXTURE WATTAGE IS 4.4VA/FT

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

bell & spina ARCHITECTS

A&J Consulting Engineering Services, P.C.

ENERGY CODE COMPLIANCE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

WARNING:

THE ALTERATION OF THIS MATERIAL ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR

STATE OF NEW YORK · RAYMOND C. KONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY: DA
DRAWN BY: DA
FIELD CHECK: RW/HS
APPROVED: RW/HS

SHEET TITLE:
LIGHTING FIXTURE SCHEDULE

DRAWING NUMBER:
E-502

PANELBOARD: LLP

LOCATION: ELEC 120 | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22
FED FROM: MDP | PHASES: 3 | BUS RATING 200A
MOUNTING TYPE: SURFACE | WIRE#: 4 | ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	FACP	2#12+1#12G IN 3/4"C	20 A	1	500	542					1	20 A	2#12+1#12G IN 3/4"C	LTG- 102B,102A	2
3	LTG - MULTI PURPOSE 117	2#10+1#10G IN 3/4"C	20 A	1			359	42			1	20 A	2#12+1#12G IN 3/4"C	LTG ELEVATOR PIT	4
5	LTG - STAIR	2#12+1#12G IN 3/4"C	20 A	1					202	471	1	20 A	2#12+1#12G IN 3/4"C	LTG-111,116	6
7	LTG,112	2#10+1#10G IN 3/4"C	20 A	1	598	565					1	20 A	2#12+1#12G IN 3/4"C	LTG FITNESS 110, STORAGE...	8
9	EXIT SIGNS FIRST FL	2#12+1#12G IN 3/4"C	20 A	1			230	616			1	20 A	2#12+1#12G IN 3/4"C	LTG - RM 0109,106, 108	10
11	LTG - RM 102B , 102A	2#12+1#12G IN 3/4"C	20 A	1					502	541	1	20 A	2#12+1#12G IN 3/4"C	LTG - RM 117	12
13	Lighting		20 A	1	1,500										14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
				TOTAL VA:	3692 VA		1240 VA		1711 VA						
				TOTAL AMPS:	31 A		10 A		15 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
HVAC	500 VA	100.00%	500 VA	TOTAL CONN. VA:	6642 VA
Lighting - Dwelling Unit	50 VA	100.00%	50 VA	TOTAL CONN. AMPS:	18 A
Other	1766 VA	100.00%	1766 VA	TOTAL DEMAND VA:	6642 VA
Lighting	4332 VA	100.00%	4332 VA	TOTAL EST. DEMAND AMPS:	18 A

PANELBOARD: (E)EDP1

LOCATION: EXISTING MECHANICAL 101 | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22K
FED FROM: MDP | PHASES: 3 | BUS RATING 400A
MOUNTING TYPE: SURFACE | WIRE#: 4 | ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1						6,000									2
3								8,000			3	150 A	EXISTING	(E) EKP	4
5										7,000					6
7					552	0									8
9	EXISTING PUMP 1	--	15 A	3			552	0			3	20 A	--	Spare	10
11									552	0					12
13					552	3,360									14
15	EXISTING BOILER	--	15 A	3			552	3,360			3	50 A	4#6+1#10G IN 1"C	HV-2	16
17									552	3,360					18
19					360										20
21	EF-7	3#12+1#12G IN 3/4"C	15 A	3			360								22
23									360						24
				TOTAL VA:	34564 VA		35564 VA		36064 VA						
				TOTAL AMPS:	288 A		298 A		302 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
HVAC	10080 VA	100.00%	10080 VA	TOTAL CONN. VA:	106192 VA
Heating	25080 VA	100.00%	25080 VA	TOTAL CONN. AMPS:	295 A
Spare	68872 VA	100.00%	68872 VA	TOTAL DEMAND VA:	106192 VA
MOTORS	2160 VA	100.00%	2160 VA	TOTAL EST. DEMAND AMPS:	295 A

PANELBOARD: (E)EDP2

LOCATION: EXISTING MECHANICAL 101 | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22K
FED FROM: (E)EDP1 | PHASES: 3 | BUS RATING 400A
MOUNTING TYPE: SURFACE | WIRE#: 4 | ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	SPACE	--	20 A	1	0	--					1	--	--	SPACE	2
3							1,920	1,920							4
5	EXISTING	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	6
7					1,920	1,920									8
9							1,920	1,920							10
11	EXISTING LOAD	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	12
13					1,920	1,920									14
15	CUH-2	2#10+1#10G IN 3/4"C	20 A	2			1,000	1,000			2	20 A	2#12+1#12G IN 3/4"C	CUH-9	16
17									1,000	1,000					18
19															20
21							1,920	1,920							22
23	EXISTING LOAD	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	24
25					1,920	1,920									26
27							6,360	2,860							28
29	HVAC-1	3#3+1#8G IN 1 1/4"C	90 A	3					6,360	4,360	3	100 A	EXISTING	(E)ELP	30
31					6,360	5,860									32
				TOTAL VA:	23740 VA		22740 VA		24240 VA						
				TOTAL AMPS:	199 A		190 A		203 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Heating	23080 VA	100.00%	23080 VA	TOTAL CONN. VA:	70720 VA
Spare	46560 VA	100.00%	46560 VA	TOTAL CONN. AMPS:	196 A
MOTORS	1080 VA	100.00%	1080 VA	TOTAL DEMAND VA:	70720 VA
				TOTAL EST. DEMAND AMPS:	196 A

PANELBOARD: (E) EKP

LOCATION: KIT STOR 103B | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22K
FED FROM: (E)EDP1 | PHASES: 3 | MCB RATING: 100 A
MOUNTING TYPE: SURFACE | WIRE#: 4 | BUS RATING: 200A
ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	SPACE	--	--	1	--	--					1	--	--	SPACE	2
3	SPARE	--	20 A	1			1,000	1,000			1	20 A	--	SPARE	4
5	SPARE	--	20 A	1					1,000	1,000	1	20 A	--	SPARE	6
7	HOT FOOD COUNTER REC	--	20 A	1	1,000	1,000					1	20 A	--	FROZEN FOOD CABINET	8
9	SPARE	--	20 A	1			1,000	1,000			2	20 A	--	RAPID REFRIGERATOR	10
11	REFRIGERATOR 220V	--	20 A	2					1,000	1,000					12
13					1,000	2,000									14
15	RAPID THAW REFRIGERATOR	--	20 A	2			1,000	2,000			3	60 A	--	COFFEE MAKER	16
17									1,000	2,000					18
19	UH-8	2#12+1#12G IN 3/4"C	20 A	2	1,000										20
21							1,000								22
23															24
				TOTAL VA:	6000 VA		8000 VA		7000 VA						
				TOTAL AMPS:	50 A		68 A		60 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Heating	2000 VA	100.00%	2000 VA	TOTAL CONN. VA:	21000 VA
Spare	19000 VA	100.00%	19000 VA	TOTAL CONN. AMPS:	58 A
				TOTAL DEMAND VA:	21000 VA
				TOTAL EST. DEMAND AMPS:	58 A

PANELBOARD: LPP

LOCATION: GENERAL STORAGE 104 | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22
FED FROM: MDP | PHASES: 3 | MCB RATING: 225 A
MOUNTING TYPE: SURFACE | WIRE#: 4 | BUS RATING: 400 A
ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	REC- RM104	2#12+1#12G, 3/4"C	20 A	1	720	720					1	20 A	2#12+1#12G, 3/4"C	REC - FITNESS110+S4	2
3	REC- RM111- SEC1	2#12+1#12G, 3/4"C	20 A	1			540	1,080			1	20 A	2#12+1#12G, 3/4"C	REC- RM111	4
5	Receptacle		20 A	1					540	720	1	20 A	2#12+1#12G, 3/4"C	REC- RM111	6
7	REC- PRINTER OFFC.112	2#12+1#12G, 3/4"C	20 A	1	180	720					1	20 A	2#12+1#12G, 3/4"C	REC- RM111- QUAD	8
9	REC- RM116- QUAD	2#12+1#12G, 3/4"C	20 A	1			900	540			1	20 A		Receptacle	10
11	REC- RM116- SEC1	2#12+1#12G, 3/4"C	20 A	1					720	720	1	20 A	2#12+1#12G, 3/4"C	REC- RM116- SEC2	12
13	REC- RM116- SEC3	2#12+1#12G, 3/4"C	20 A	1	720	720					1	20 A	2#12+1#12G, 3/4"C	REC- RM112	14
15	REC- RM117- SEC1	2#12+1#12G, 3/4"C	20 A	1			720	540			1	20 A	2#12+1#12G, 3/4"C	REC- RM117-	16
17	REC- RM118- SEC1	2#12+1#12G, 3/4"C	20 A	1					1,080	540	1	20 A	2#12+1#12G, 3/4"C	REC- RM118- SEC2+S4	18
19	REC- RM102	2#12+1#12G, 3/4"C	20 A	1	1,080	180					1	20 A	2#12+1#12G, 3/4"C	REC- ELEVATOR- GFCI-...	20
21	REC- RM120- ELEC- ROOM	2#12+1#12G, 3/4"C	20 A	1			720	720			1	20 A	2#12+1#12G, 3/4"C	REC- FITNESS110	22
23	REC- FITNESS110	2#12+1#12G, 3/4"C	20 A	1					180	180	1	20 A	2#12+1#12G, 3/4"C	REC- FITNESS110	24
25	REC-FITNESS110	2#12+1#12G, 3/4"C	20 A	1	180	720					1	20 A	2#12+1#12G, 3/4"C	REC- ROOM113- EXIST/VAULT	26
27	REC- FB RM 117	2#10+1#10G IN 3/4"C	20 A	1			1,080	1,080			1	20 A	2#12+1#12G, 3/4"C	REC - RESTROOMS 109, 106	28
29	DRINKING FAUNT.	2#12+1#12G, 3/4"C	20 A	1					360	75	1	20 A	2#12+1#12G IN 3/4"C	LOWER FLOOR VAV(S)	30
31	REC-FB RM 117	2#10+1#10G IN 3/4"C	20 A	1	1,080	1,080					1	20 A	2#10+1#10G IN 3/4"C	REC- FB RM 117	32
33	EQMNT DEDICATED CKT	2#12+1#12G IN 3/4"C	20 A	1			1,000	152			1	20 A	2#12+1#12G IN 3/4"C	LTG- ELEC 1202, EXTERIOR...	34
35	REC- RM 117 AV EQUIPMNT	2#12+1#12G IN 3/4"C	20 A	1					360	720	1	20 A	2#12+1#12G, 3/4"C	REC - RM 212	36
37	LTG - CORRIDOR	2#12+1#12G IN 3/4"C	20 A	1	629	1,125									38
39	LTG-CORRIDOR C4B	2#12+1#12G IN 3/4"C	20 A	1			360	1,125			3	15 A	3#12+1#12G IN 3/4"C	OVER HEAD DOOR DRILL HALL	40
41	NEMA-L6 DRILL HALL REC	2#10+1#10G IN 3/4"C	30 A	2					2,496	1,125					42
43					2,496	1,000					1	20 A	2#12+1#12G IN 3/4"C	EQMNT DEDICATED CKT	44
45	EQMNT DEDICATED CKT	2#12+1#12G IN 3/4"C	20 A	1			1,000	1,000			1	20 A	2#10+1#10G IN 3/4"C	EQMNT DEDICATED CKT	46
47	EQMNT DEDICATED CKT	2#10+1#10G IN 3/4"C	20 A	1					1,000	1,000	1	20 A	2#10+1#10G IN 3/4"C	DEDICATED VAULT CKT2	48
49	DEDICATED VAULT CKT	2#10+1#10G IN 3/4"C	20 A	1	1,000										50
51															52
53															54
55															56
57															58
59															60
61															62
63															64
				TOTAL VA:	14349 VA		12535 VA		11816 VA						
				TOTAL AMPS:	121 A		105 A		98 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Equipment	8727 VA	100.00%	8727 VA	TOTAL CONN. VA:	38700 VA
HVAC	2000 VA	100.00%	2000 VA	TOTAL CONN. AMPS:	107 A
Lighting - Dwelling Unit	50 VA	100.00%	50 VA	TOTAL DEMAND VA:	30310 VA
Other	75 VA	100.00%	75 VA	TOTAL EST. DEMAND AMPS:	84 A
Receptacle	26780 VA	68.67%	18390 VA		
Lighting	1078 VA	100.00%	1078 VA		

PANELBOARD: LMP

LOCATION: ELEC 120 | VOLTAGE: 120/208 Wye | A.I.C. RATING: 22
FED FROM: MDP | PHASES: 3 | BUS RATING 400A
MOUNTING TYPE: SURFACE | WIRE#: 4 | ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	EF-2 (JANITOR CLOSET)	2#12+12#12G IN 3/4"C	15 A	1	60	500					1	15 A	2#12+1#12G IN 3/4"C	CP-2	2
3	ELEVATOR LIGHTING	2#12+1#12G, 3/4"C	20 A	1			1,000	1,500			1	20 A	2#10+1#10G IN 3/4"C	HAND DRYER RM 109	4
5	HAND DRYER RM 106	2#10+1#10G IN 3/4"C	20 A	1					1,500	500	1	20 A	2#12+1#12G IN 3/4"C	FIRE ALARM BPS	6
7	EF-3	2#12+1#12G IN 3/4"C	15 A	2	42	57					2	15 A	2#12+12#12G IN 3/4"C	AC-2	8
9							42	57							10
11	AC-4,AC5	2#12+12#12G IN 3/4"C	15 A	2					58	250	2	15 A	2#12+1#12G IN 3/4"C	EF-5	12
13					58	250									14
15	AC-3	2#12+12#12G IN 3/4"C	15 A	2			58	312			2	15 A	2#12+1#12G, 3/4"C	EF-1,4	16
17									58	312					18
19	SUMP PUMP SP-1	2#12+1#12G IN 3/4"C	20 A	2	1,485	1,000					2	20 A	2#8+1#8G IN 1"C	CUH-6	20
21							1,485	1,000							22
23	CU-2	2#8+1#8G IN 1"C	30 A	2					1,560	1,000	2	20 A	2#10+1#10G IN 3/4"C	CUH-5	24
25					1,560	1,000									26
27	FACP	2#12+1#12G IN 3/4"C	20 A	1			500	1,000			2	20 A	2#10+1#10G IN 3/4"C	CUH-1	28
29	CUH-7	2#8+1#8G IN 1"C	20 A	2					1,000	1,000					30
31					1,000	1,000					2	20 A	2#10+1#10G IN 3/4"C	CUH-3	32
33	CUH-10	2#12+1#12G IN 3/4"C	20 A	2			1,000	1,000							34
35									1,000	4,275					36
37	FOLDING PARTITION	3#10+1#10G IN 3/4"C	20 A	3	1,667	4,275					3	100 A	4#1+1#8G IN 1-1/2"C	RTU-1	38
39							1,667	4,275							40
41									1,667	7,728					42
43	CU-1	4#4+1#8G IN 1-1/4"C	80 A	3	6,600	7,728					3	90 A	4#3+1#8G IN 1 1/4"C	RTU-2	44
45							6,600	7,728							46
47									6,600	3,360					48
49					8,910	3,360					3	50 A	4#6+1#10G IN 1"C	HV-1	50
51	ELEVATOR POWER	3#1+1#8G IN 1 1/2"C	100 A	3			8,910	3,360							52
53									8,910	0	1	20 A	--	GATE POWER	54
				TOTAL VA:	40550 VA		41492 VA		40777 VA						
				TOTAL AMPS:	338 A		346 A		340 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Elevator	26730 VA	100.00%	26730 VA	TOTAL CONN. VA:	122819 VA
Equipment	5000 VA	100.00%	5000 VA	TOTAL CONN. AMPS:	341 A
HVAC	74479 VA	100.00%	74479 VA	TOTAL DEMAND VA:	122819 VA
Heating	15000 VA	100.00%	15000 VA	TOTAL EST. DEMAND AMPS:	341 A
Other	403 VA	100.00%	403 VA		
MOTORS	1207 VA	100.00%	1207 VA		

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY: DA
DRAWN BY: DA
FIELD CHECK: RW/HS
APPROVED: RW/HS

SHEET TITLE:
PANEL SCHEDULES

DRAWING NUMBER:
E-601

PANELBOARD: (E)ELP

LOCATION: EXISTING MECHANICAL 101 | **VOLTAGE:** 120/208 Wye | **A.I.C. RATING:** 22K
FED FROM: (E)EDP2 | **PHASES:** 3 | **BUS RATING** 100A
MOUNTING TYPE: SURFACE | **WIRE#:** 4 | **ENCLOSURE:** Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1						500					1	20 A	--	EXISTING LTG, CORR & MECH	2
3	EXISTING LTG CKT	--	20 A	1			500	500			1	20 A	--	EXISTING LTG, VAULTS	4
5	EXISTING LTG CKT	--	20 A	1					500	1,000	1	20 A	--	EXISTING LTG, SITE	6
7	Spare	--	20 A	1	0	0					1	20 A	--	Spare	8
9	Spare	--	20 A	1			0	360			3	15 A	3#12+1#12G IN 3/4"C	EF-6	10
11	Spare	--	20 A	1					0	360					12
13	Spare	--	20 A	1	0	360									14
15	Spare	--	20 A	1			0	0			1	20 A	--	Spare	16
17	Spare	--	20 A	1					0	0	1	20 A	--	Spare	18
19	Spare	--	20 A	1	0	0					1	20 A	--	Spare	20
21	EXISTING LOAD	--	20 A	1			1,000	0			1	20 A	--	Spare	22
23	EXISTING LOAD	--	20 A	1					1,000	1,000	1	20 A	--	EXISTING GFI OUTLETS ROOF	24
25	EXISTING LOAD	--	20 A	1	1,000	1,000					1	20 A	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 A	1			1,000	1,000			1	20 A	--	EXISTING LOAD	28
29	EXISTING TEMP CNTRL PNL	--	20 A	1					1,000	1,000	1	20 A	--	EXISTING LOAD	30
				TOTAL VA:	2860 VA		4360 VA		5860 VA						
				TOTAL AMPS:	24 A		38 A		51 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Spare	12000 VA	100.00%	12000 VA	**TOTAL CONN. VA:**	13080 VA
MOTORS	1080 VA	100.00%	1080 VA	**TOTAL CONN. AMPS:**	36 A
				TOTAL DEMAND VA:	13080 VA
				TOTAL EST. DEMAND AMPS:	36 A

PANELBOARD: ULP

LOCATION: GENERAL STORAGE 218 | **VOLTAGE:** 120/208 Wye | **A.I.C. RATING:** 22
FED FROM: MDP | **PHASES:** 3 | **MCB RATING:** 100 A
MOUNTING TYPE: SURFACE | **WIRE#:** 4 | **BUS RATING:** 125A
ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	REC- 216	2#12+1#12G, 3/4"C	20 A	1	720	1,545					1	20 A	2#12+1#12G, 3/4"C	LTG - BN COLLAB/OFFICES	2
3	LTG-RM...	2#12+1#12G IN 3/4"C	20 A	1			1,185	924			1	20 A	2#10+1#10G IN 3/4"C	LTG - CORRIDOR	4
5	LTG - RM 218,217,216 AND 22...	2#10+1#10G IN 3/4"C	20 A	1					1,197	946	1	20 A	2#10+1#10G IN 3/4"C	LTG-RM 232,230,231	6
7	LTG - DRILL HALL	2#10+1#10G IN 3/4"C	20 A	1	1,038	1,125					1	20 A	2#10+1#10G IN 3/4"C	LTG- DRILL HALL	8
9	LTG- RM 238,237,235	2#10+1#10G IN 3/4"C	20 A	1			617	1,266			1	20 A	2#10+1#10G IN 3/4"C	LTG- MENS GEAR STRG 234	10
11	LTG - LOBBY	2#10+1#10G IN 3/4"C	20 A	1					731	268	1	20 A	2#10+1#10G IN 3/4"C	LTG - EXTERIOR SOUTH	12
13	LTG - EXTERIOR WEST,...	2#10+1#10G IN 3/4"C	20 A	1	134	285					1	20 A	2#12+1#12G IN 3/4"C	EXIT SIGNS FIRST SF	14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
				TOTAL VA:	4814 VA		3960 VA		3115 VA						
				TOTAL AMPS:	41 A		34 A		26 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Other	2666 VA	100.00%	2666 VA	**TOTAL CONN. VA:**	11880 VA
Lighting	8525 VA	100.00%	8525 VA	**TOTAL CONN. AMPS:**	33 A
Power	720 VA	100.00%	720 VA	**TOTAL DEMAND VA:**	11880 VA
				TOTAL EST. DEMAND AMPS:	33 A

PANELBOARD: UPP-2

LOCATION: GENERAL STORAGE 218 | **VOLTAGE:** 120/208 Wye | **A.I.C. RATING:** 22K
FED FROM: UPP-1 | **PHASES:** 3 | **BUS RATING** 225A
MOUNTING TYPE: SURFACE | **WIRE#:** 4 | **ENCLOSURE:** Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	REC-ELEVATOR SHAFT GFCI	2#12+1#12G IN 3/4"C	20 A	1	180	500					1	20 A	2#12+1#12G IN 3/4"C	FIRE ALARM BPS #2	2
3	REC- IT ROOM	2#12+1#12G IN 3/4"C	20 A	1			360	720			1	20 A	2#12+1#12G IN 3/4"C	REC-RM232	4
5	REC-RM231+LOBBY219	2#12+1#12G IN 3/4"C	20 A	1					900	900	1	20 A	2#12+1#12G IN 3/4"C	REC-RM228	6
7	REC-RM228	2#12+1#12G IN 3/4"C	20 A	1	720	720					1	20 A	2#12+1#12G IN 3/4"C	REC-RM228	8
9	REC- COPIER 228	2#12+1#12G IN 3/4"C	20 A	1			1,000	1,000			1	20 A	2#12+1#12G IN 3/4"C	REC- COPIER 215	10
11	REC-RM 228	2#12+1#12G IN 3/4"C	20 A	1					720	720	1	20 A	2#12+1#12G IN 3/4"C	REC-RM 228	12
13	VAV (UPPER LEVEL)	2#12+12#12G IN 3/4"C	20 A	1	240	58					2	15 A	2#12+1#12G IN 3/4"C	AC-1	14
15	AC-5, AC-3, AC 1CP	2#12+1#12G IN 3/4"C	20 A	1			480	58							16
17	DEDICATED CKT SIPR	2#12+1#12G IN 3/4"C	20 A	1					500	1,000	1	20 A	2#12+1#12G IN 3/4"C	ROOF SIGNAL EQMT	18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
				TOTAL VA:	2418 VA		3618 VA		4740 VA						
				TOTAL AMPS:	20 A		32 A		41 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Equipment	2000 VA	100.00%	2000 VA	**TOTAL CONN. VA:**	10775 VA
HVAC	1300 VA	100.00%	1300 VA	**TOTAL CONN. AMPS:**	30 A
Other	355 VA	100.00%	355 VA	**TOTAL DEMAND VA:**	10775 VA
Receptacle	7120 VA	100.00%	7120 VA	**TOTAL EST. DEMAND AMPS:**	30 A

PANELBOARD: UPP-1

LOCATION: GENERAL STORAGE 218 | **VOLTAGE:** 120/208 Wye | **A.I.C. RATING:** 22
FED FROM: MDP | **PHASES:** 3 | **MCB RATING:** 225 A
MOUNTING TYPE: SURFACE | **WIRE#:** 4 | **BUS RATING:** 400A
ENCLOSURE: Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	REC- RM216	2#12+1#12G, 3/4"C	20 A	1	360	1,000					1	20 A	2#12+1#12G, 3/4"C	REC- FRIDGE	2
3	REC- RM216	2#12+1#12G, 3/4"C	20 A	1			900	1,400			1	20 A	2#12+1#12G, 3/4"C	REC- RM221 + DISPLAY LTG	4
5	GFCI- RM221	2#12+1#12G, 3/4"C	20 A	1					1,000	1,000	1	20 A	2#12+1#12G, 3/4"C	GFCI- RM221	6
7	REC-RM226	2#12+1#12G, 3/4"C	20 A	1	900	900					1	20 A	2#12+1#12G, 3/4"C	REC-RM227	8
9								1,000			2	20 A	2#12+1#12G IN 3/4"C	CUH-3	10
11	REC-RM228	2#12+1#12G, 3/4"C	20 A	1					720	1,000					12
13	REC-RM222/223/224/225	2#12+1#12G, 3/4"C	20 A	1	900										14
15	GFCI-ROOM230	2#12+1#12G, 3/4"C	20 A	1			900								16
17	GFCI-ROOM233+C2	2#12+1#12G, 3/4"C	20 A	1					540	900	1	20 A	2#12+1#12G, 3/4"C	REC-RM234	18
19	REC-RM215	2#12+1#12G, 3/4"C	20 A	1	900	720					1	20 A	2#12+1#12G, 3/4"C	REC-RM215	20
21	REC-RM215	2#12+1#12G, 3/4"C	20 A	1			900	720			1	20 A	2#12+1#12G, 3/4"C	REC-RM215	22
23	REC- 214	2#12+1#12G, 3/4"C	20 A	1					900	900	1	20 A	2#12+1#12G, 3/4"C	REC-RM213	24
25	REC-RM211	2#12+1#12G, 3/4"C	20 A	1	720	900					1	20 A	2#12+1#12G, 3/4"C	REC-RM210+RM212	26
27	REC-RM209+RM212+RM208	2#12+1#12G, 3/4"C	20 A	1			540	720			1	20 A	2#12+1#12G, 3/4"C	REC-RM207+RM206+RM205	28
29	REC-RM205+RM201	2#12+1#12G, 3/4"C	20 A	1					1,080	720	1	20 A	2#12+1#12G, 3/4"C	REC-RM201+RM202	30
31	REC-RM203-RM212	2#12+1#12G, 3/4"C	20 A	1	720	720					1	20 A	2#12+1#12G, 3/4"C	REC-RM212 "FLOOR OUTLETS"	32
33	REC-RM212 "FLOOR OUTLETS"	2#12+1#12G, 3/4"C	20 A	1			720	900			1	20 A	2#12+1#12G, 3/4"C	REC-RM212 "FLOOR OUTLETS"	34
35	REC - 204	2#12+1#12G, 3/4"C	20 A	1					720	900	1	20 A	2#12+1#12G, 3/4"C	REC-RM238+C1	36
37	REC-RM237	2#12+1#12G, 3/4"C	20 A	1	720	720					1	20 A	2#12+1#12G, 3/4"C	REC- RM 236	38
39	REC-RM235	2#12+1#12G, 3/4"C	20 A	1			540	900			1	20 A	2#12+1#12G, 3/4"C	REC-RM236 "FLOOR OUTLETS"	40
41	REC- DATA RACK	2#10+1#10G IN 3/4"C	20 A	1					360	1,665	1	20 A	2#12+1#12G, 3/4"C	REC-ROOF+LTG	42
43						360					1	20 A	2#10+1#10G IN 3/4"C	REC DATA RACK	44
45	REC- IT - 208	2#12+1#12G, 3/4"C	20 A	1			540	2,496			2	20 A	2#10+1#10G IN 3/4"C	L6-30 RACK RECEPTACLE	46
47	L5-30 RACK RECEPTACLE	2#8+1#10G IN 1"C	20 A	1					2,880	2,496					48
49	REC-RM224	2#10+1#10G IN 3/4"C	20 A	1	1,000	360					1	20 A	2#12+1#12G, 3/4"C	REC- IT	50
51	REC- COPIER	2#10+1#10G IN 3/4"C	20 A	1			180	1,500			1	20 A	2#10+1#10G IN 3/4"C	HAND DRYER RM 233	52
53	REC-BREAK 221	2#10+1#10G IN 3/4"C	20 A	1					180	1,500	1	20 A	2#10+1#10G IN 3/4"C	HAND DRYER RM 230	54
55	DRILL HALL SHADES	2#12+1#12G IN 3/4"C	15 A	1	1,000	1,000					1	20 A	2#12+1#12G, 3/4"C	DRILL HALL SHADES	56
57	REC- RM 207	2#12+1#12G IN 3/4"C	20 A	1			540	720			1	20 A	2#12+1#12G, 3/4"C	REC- RM 205	58
59															60
61															62
63								360			1	20 A	2#12+1#12G, 3/4"C	DRINKING FAUNT.	64
65															66
				TOTAL VA:	16318 VA		20094 VA		24201 VA						
				TOTAL AMPS:	136 A		172 A		207 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Equipment	6240 VA	100.00%	6240 VA	**TOTAL CONN. VA:**	60612 VA
HVAC	1300 VA	100.00%	1300 VA	**TOTAL CONN. AMPS:**	168 A
Heating	5000 VA	100.00%	5000 VA	**TOTAL DEMAND VA:**	44786 VA
Other	355 VA	100.00%	355 VA	**TOTAL EST. DEMAND AMPS:**	124 A
Receptacle	41652 VA	62.00%	25826 VA		
Lighting	545 VA	100.00%	545 VA		
Power	5520 VA	100.00%	5520 VA		

PANELBOARD: (E) KP

LOCATION: KIT STOR 103B | **VOLTAGE:** 120/208 Wye | **A.I.C. RATING:** 22K
FED FROM: MDP | **PHASES:** 3 | **BUS RATING** 400A
MOUNTING TYPE: SURFACE | **WIRE#:** 4 | **ENCLOSURE:** Type 1

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	SPACE	--	--	1	--	--					1	--	--	(E)SPACE	2
3	SPACE	--	--	1			--	0			1	20 A	--	SPARE	4
5	SPARE	--	20 A	1					0	1,920	1	20 A	--	(E)ICE MACHINE	6
7	SPARE	--	20 A	1	0	1,920					1	20 A	--	(E)FOOD WARMER	8
9	SPARE	--	20 A	1			0	1,920			1	20 A	--	(E)REC- COLD FOOD...	10
11	Spare	--	20 A	1					1,920	1,920	1	20 A	--	(E)KITCHEN GFI	12
13	KITCHEN GFCI OUTLETS	--	20 A	1	1,920	0					1	20 A	--	SPARE	14
15	LIGHTING OVER SYUPPLY RM	--	20 A	1			1,000	0			3	15 A	--	SPARE	16
17	SPARE	--	40 A	2					0	0					18
19					0	0									20
21	SPARE	--	40 A	3			0	0			3	60 A	--	SPARE	22
23									0	0					24
25					0	0									26
27	GARBAGE DISPOSAL	--	30 A	3			2,880	2,880			3	30 A	--	Spare	28
29									2,880	2,880					30
31					2,880	2,880									32
				TOTAL VA:	9600 VA		8680 VA		11520 VA						
				TOTAL AMPS:	81 A		72 A		97 A						

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	EST. DEMAND	TOTALS	
Spare	29800 VA	100.00%	29800 VA	**TOTAL CONN. VA:**	29800 VA
				TOTAL CONN. AMPS:	83 A
				TOTAL DEMAND VA:	29800 VA
				TOTAL EST. DEMAND AMPS:	83 A

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

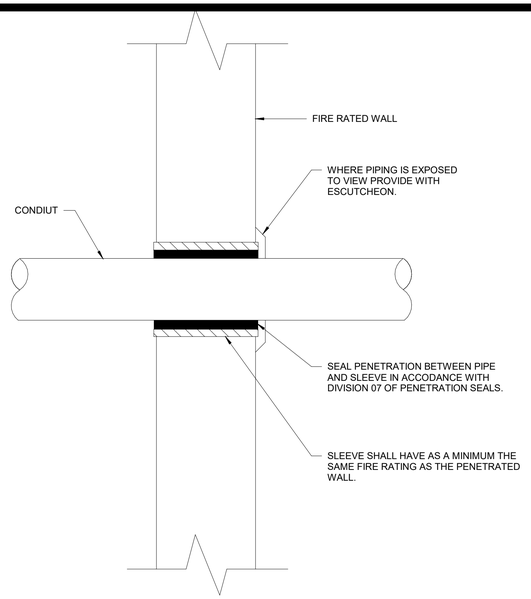
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

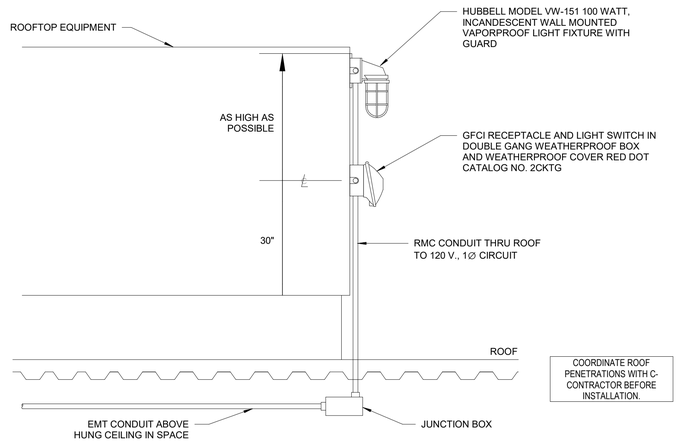
PROJECT NUMBER: **47477-E**
DESIGNED BY: DA
DRAWN BY: DA
FIELD CHECK: RW/HS
APPROVED: RW/HS

SHEET TITLE:
PANEL SCHEDULES

DRAWING NUMBER:
E-602

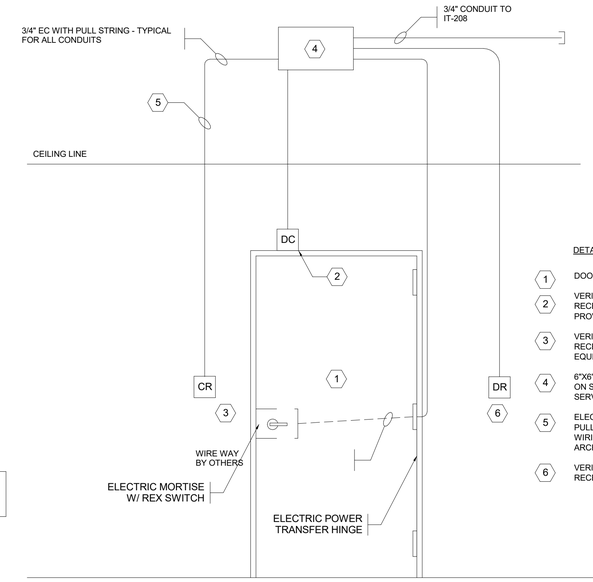


D 1 / E-701 FIRE RATED CONDUIT PENETRATION
SCALE: N.T.S.



COORDINATE ROOF PENETRATIONS WITH C-CONTRACTOR BEFORE INSTALLATION.

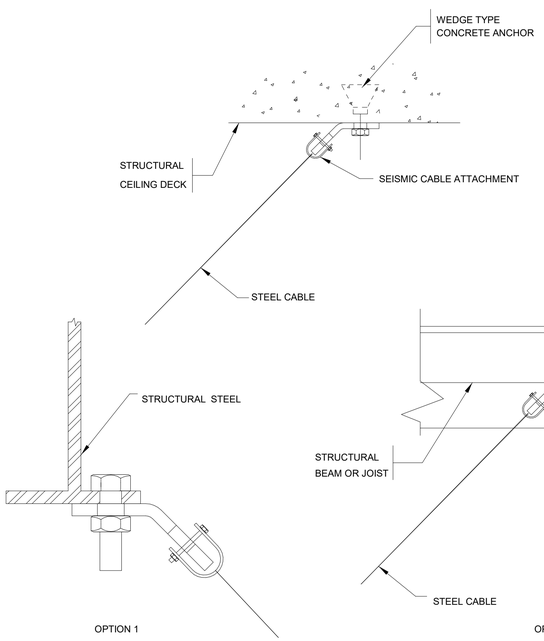
D 2 / E-701 LIGHT AND RECEPTACLE AT ROOFTOP EQUIPMENT
SCALE: N.T.S.



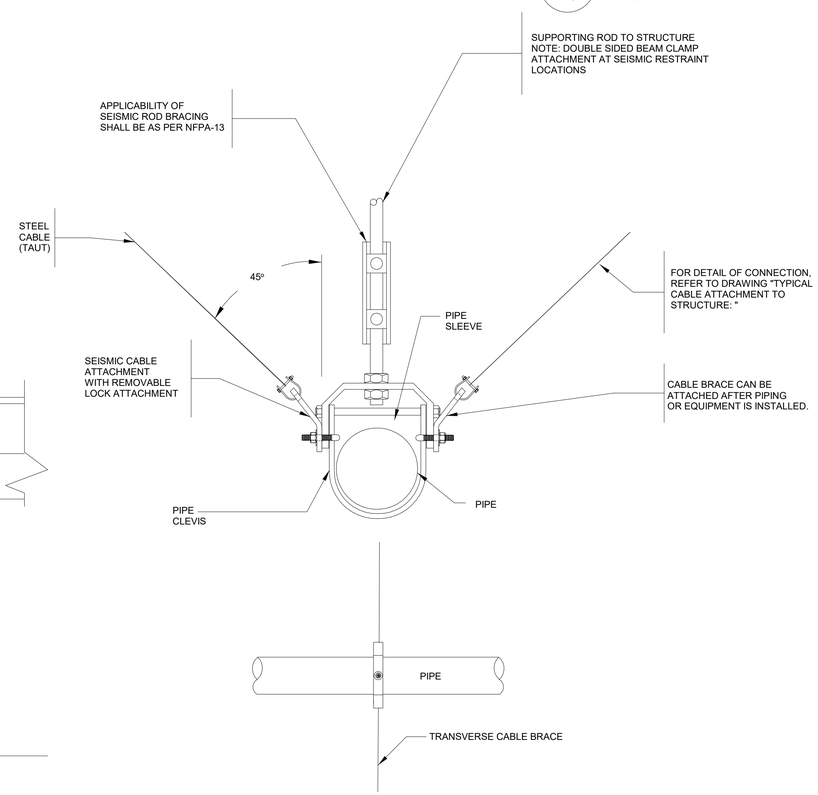
DETAIL NOTES:

1. DOOR HARDWARE BY C- CONTRACTOR.
2. VERIFY WITH ARCHITECT PRIOR TO PROVIDING GANG RECESSED BACK BOX FOR DOOR CONTACT PROVIDED AND INSTALLED BY DOOR MANUFACTURER.
3. VERIFY WITH ARCHITECT PRIOR TO PROVIDING GANG RECESSED BACK BOX FOR CARD READER EQUIPMENT.
4. 6"X6"X4" BREAK OUT BOX JUNCTION BOX MOUNTED ON SECURE SIDE IN AN AREA ACCESSIBLE FOR SERVICE.
5. ELECTRICAL CONTRACTOR TO PROVIDING 3/4"C WITH PULL STRING TO DOOR FRAME FOR CARD READER WIRING. VERIFY WITH DOOR MANUFACTURER AND ARCHITECT PRIOR TO INSTALL.
6. VERIFY WITH ARCHITECT PRIOR TO PROVIDING GANG RECESSED BACK BOX FOR DOOR RELEASE.

D 3 / E-701 SINGLE DOOR CARD READER TYPICAL DETAIL
SCALE: N.T.S



D 4 / E-701 TYPICAL CABLE OR UNISTRUTS ATTACHEMENT TO STRUCTURE
SCALE: N.T.S.



PLAN VIEW OF BRACE

NOTE: 1. SLACK CABLE 1/2" IN CENTER IF ISOLATED.

D 5 / E-701 TYPICAL TRANSVERSE CABLE BRACE FOR CLEVIS HUNG PIPING AND CONDUIT
SCALE: N.T.S.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

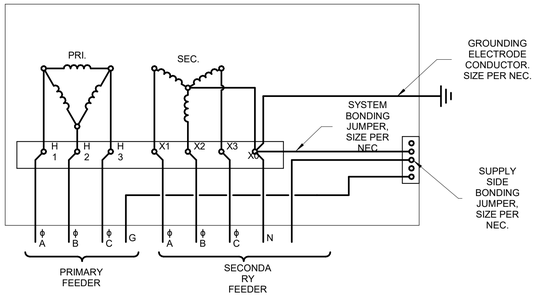
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

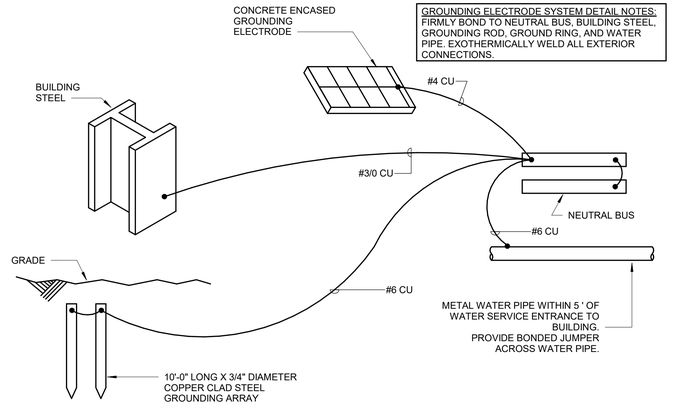
PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
ELECTRICAL TYPICAL DETAIL SHEET NO. 1

DRAWING NUMBER:
E-701

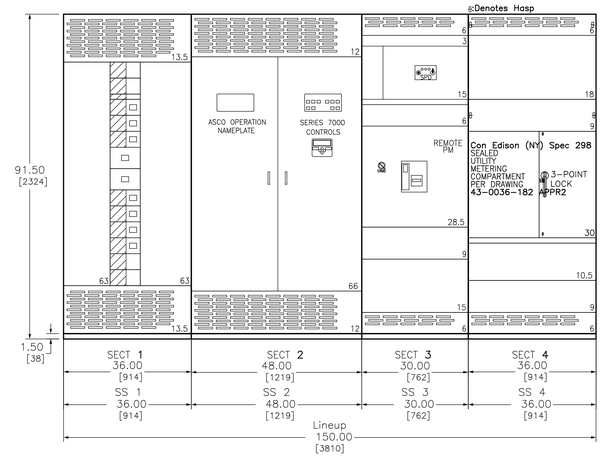


D 1 / E-702 DRY TYPE TRANSFORMER - TYPICAL CONNECTION DETAIL
SCALE: N.T.S.

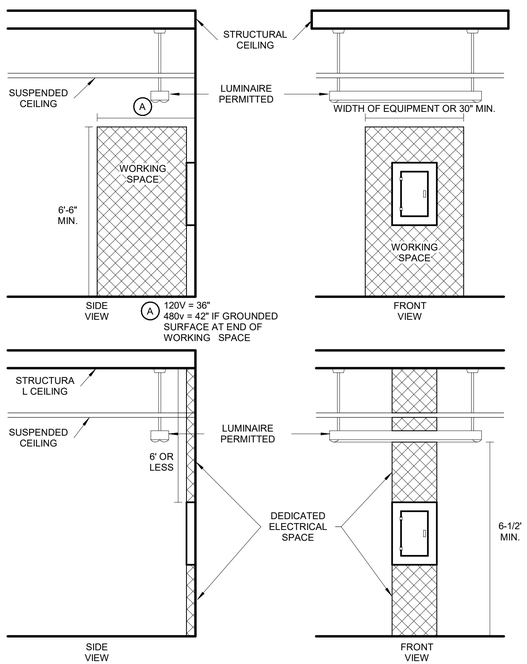


GROUNDING ELECTRODE SYSTEM DETAIL NOTES:
FIRMLY BOND TO NEUTRAL BUS, BUILDING STEEL, GROUNDING ROD, GROUND RING, AND WATER PIPE. EXOTHERMICALLY WELD ALL EXTERIOR CONNECTIONS.

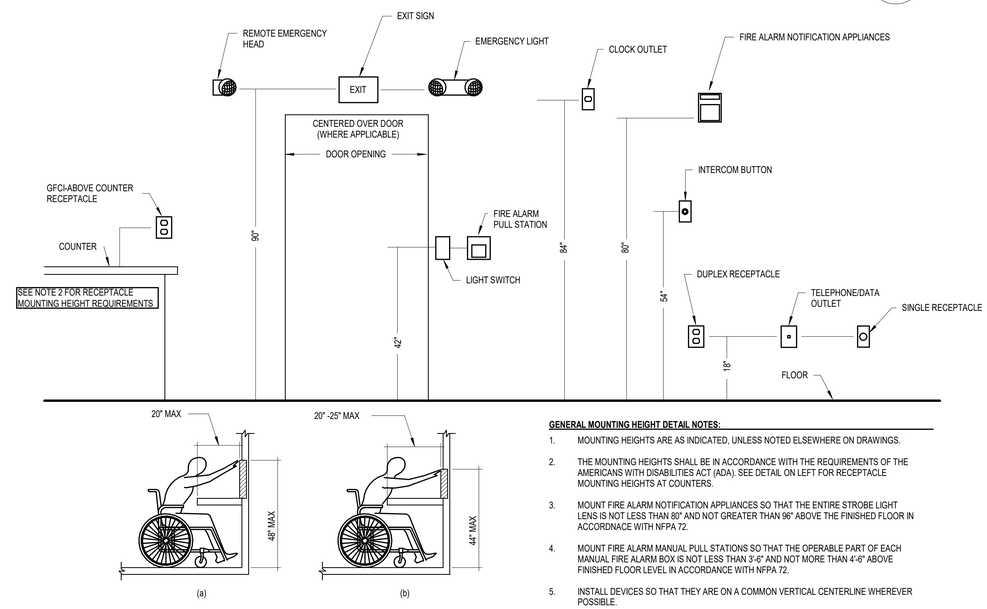
D 2 / E-702 GROUNDING ELECTRODE SYSTEM DETAIL
SCALE: N.T.S.



D 3 / E-702 SWITCHBOARD ELEVATION
SCALE: N.T.S.



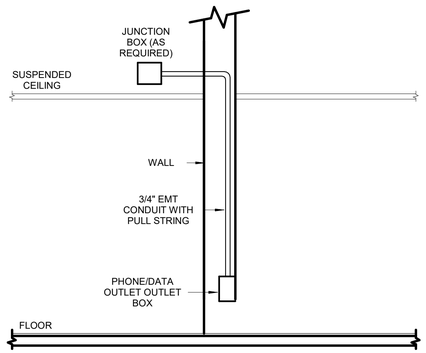
D 4 / E-702 ELECTRICAL PANEL CLEARANCE DETAIL
SCALE: N.T.S.



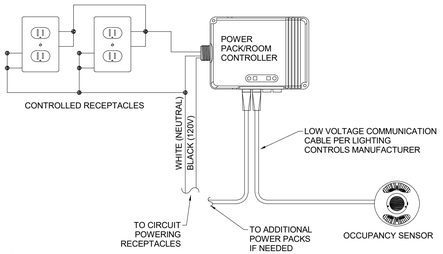
GENERAL MOUNTING HEIGHT DETAIL NOTES:

1. MOUNTING HEIGHTS ARE AS INDICATED, UNLESS NOTED ELSEWHERE ON DRAWINGS.
2. THE MOUNTING HEIGHTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). SEE DETAIL ON LEFT FOR RECEPTACLE MOUNTING HEIGHTS AT COUNTERS.
3. MOUNT FIRE ALARM NOTIFICATION APPLIANCES SO THAT THE ENTIRE STROBE LIGHT LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR IN ACCORDNACE WITH NFPA 72.
4. MOUNT FIRE ALARM MANUAL PULL STATIONS SO THAT THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX IS NOT LESS THAN 3'-6" AND NOT MORE THAN 4'-6" ABOVE FINISHED FLOOR LEVEL IN ACCORDANCE WITH NFPA 72.
5. INSTALL DEVICES SO THAT THEY ARE ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.

D 5 / E-702 GENERAL MOUNTING HEIGHT DETAIL
SCALE: N.T.S.



D 6 / E-702 EMPTY CONDUIT FOR DATA OUTLET DETAIL
SCALE: N.T.S.



D 8 / E-702 SWITCHED RECEPTACLE TYPICAL DETAIL
SCALE: N.T.S.

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY: DA
DRAWN BY: DA
FIELD CHECK: RW/HS
APPROVED: RW/HS

SHEET TITLE: ELECTRICAL TYPICAL DETAIL SHEET NO. 2

DRAWING NUMBER: **E-702**

SHEET 190 OF 198

SYMBOL	DESCRIPTION
F	MANUAL PULL STATION
	HORN STROBE
	STROBE
	CEILING MOUNTED STROBE
	CEILING MOUNTED HORN STROBE
CO	CARBON MONOXIDE DETECTOR
S	SMOKE DETECTOR CEILING MOUNT(PHOTOELECTRIC TYPE)
D	DUCT SMOKE DETECTOR (PHOTOELECTRIC TYPE)
H	HEAT DETECTOR.
DH	DOOR HOLDER
FAA	FIRE ALARM ANUNCIATOR
FARA	FIRE ALARM REMOTE ANUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
EGCP	FIRE ALARM EMERGENCY GENERATOR SUPERVISION DEVICES AND REMOTE CONTROL PANEL
PSCP	STAIRWELL PRESURAZATION SYSTEM CONTROL PANEL
ESPA	EMERGENCY AND STANDBY POWER ANUNCIATOR PANEL
ARCR	AREA OF REFUGE EMERGENCY COMUNICATION SYSTEM REMOTE UNIT
ARCM	AREA OF REFUGE EMERGENCY COMUNICATION SYSTEM MASTER UNIT
FAPR	FIRE ALARM PRINTER
TS	TAMPER SWITCH
FS	FLOW SWITCH
CM	CONTROL MODULE
MM	MONITOR MODULE
KB	EMERGENCY KNOXBOX LOCATION
ANSL	ANSUL SYSTEM
PS	PRESURE SWITCH 2
———	NEW WORK
– – – –	REMOVAL WORK

ABBREBIATION	DESCRIPTION
A	AMPERES
AFF	ABOVE FLOOR FINISH
C OR CDT	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
EC	ELECTRICAL CONTRACTOR
EQP	EQUIPMENT
E	EXISTING
EL	ELEVATOR RECALL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
ER	EXISTING TO REMAIN
FACP	FIRE ALARM CONTROL PANEL
GND	GROUND
G	WIRE GUARD
GRD	GROUNDING
KV	KILOVOLTS
KVA	KILOVOLTS AMPERES
KW	KILOWATTS
LTG	LIGHTING
MTD	MOUNTED
NTS	NOT TO SCALE
R	REMOVE
RE	RELOCATE TO POSITION INDICATED
RL	RELOCATE TO POSITION
TEL	TELEPHONE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
WP	WEATHER PROTECTED
XFMR	TRANSFORMER

NOTE:

ALL ABBREVIATIONS AND SYMBOLS MAY NOT APPEAR ON THE DRAWINGS FOR THIS PROJECT.

FIRE ALARM NOTES:

1. "SIMILAR" OR "SIM." MEANS COMPARABLE CHARACTERISTICS TO THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN.
2. FOR ALL CHASES, OPENINGS, HOLES, SLEEVES, DRILLING ETC FOR FIRE ALARM WORK ARE PROVIDED UNDER THIS CONTRACT.
3. SUBMIT SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT AND DEVICES.
4. FLEXIBLE STEEL CONDUITS MAY BE USED ABOVE HUNG CEILING AND IN WALLS IN LENGTHS AS REQUIRED. ALL METAL CONDUIT SHALL BE GALVANIZED ELECTRIC METALLIC TUBING WITH SET-SCREW FITTINGS.
5. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
6. FURNITURE, IF SHOWN, IS FOR REFERENCE ONLY AND IS NOT IN CONTACT, UNLESS OTHERWISE NOTED.
7. ALL EXISTING AND NEW FLOOR OR WALL PENETRATIONS FOR CONDUITS SHALL BE FULLY PACKED AND SEALED IN ACCORDANCE WITH THE APPLICABLE BUILDING AND FIRE CODES.
8. PROVIDE UNDERWRITERS LABORATORIES, INC. (UL) LABELED DEVICES THROUGHOUT.
9. DO NOT INSTALL CONDUIT IN FLOORS THAT ARE IN CONTACT WITH THE EARTH UNLESS SPECIFICALLY DIRECTED TO DO SO.
10. FIRE ALARM WIRING ABOVE CEILINGS MUST BE APPROVED FOR PLENUM USE. INSTALL WIRING IN EXPOSED AREAS (STORAGE, MECHANICAL/ELECTRICAL ROOMS/ETC.) IN CONDUIT AND PAINT THE CONDUIT AND BOXES RED PRIOR TO INSTALLATION. INSTALL WIRING ON FINISHED EXPOSED SURFACES (IN LOBBIES, CORRIDORS, OFFICES ETC.) IN SURFACE METAL RACEWAY AS APPROVED BY THE DIRECTOR'S REPRESENTATIVE.
11. PROVIDE SURFACE TYPE PULL AND JUNCTION BOXES IN UNFINISHED AREAS AND FLUSH TYPE IN FINISHED AREAS, UNLESS OTHERWISE NOTED. LOCATE JUNCTION AND PULL BOXES APPROXIMATELY WHERE INDICATED ON PLAN TO SUIT CONDUIT ENTRANCE. BUT IN ALL CASES, LOCATE TO AVOID INTERFERENCE WITH EQUIPMENT FROM OTHER TRADES AND LOCATE SO THAT COVERS ARE READILY ACCESSIBLE.
12. SURVEY FIELD CONDITIONS AND VERIFY THAT WORK IS FEASIBLE AS SHOWN. VERIFY LOCATION OF OUTLETS IN RELATION TO STRUCTURAL AND OTHER ELEMENTS AS REQUIRED. NOTIFY DIRECTOR'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
13. RISER DIAGRAM IS A GENERALIZED REPRESENTATION OF THE FIRE ALARM SYSTEM AND IS INTENDED ONLY TO REPRESENT THE OVERALL SYSTEM ARCHITECTURE. IT IS NOT A WIRING DIAGRAM. PROVIDE A DETAILED SYSTEM LAYOUT AND DESIGN, INCLUDING ALL DEVICE LOCATIONS, BOOSTER PANELS, CONTROL AND MONITORING MODULES, AND BATTERY CALCULATIONS THAT COMPLY WITH THE REQUIREMENTS OF NFPA72.
14. INDIVIDUALLY WIRE DEVICES TO THE FACP AS RECOMMENDED BY THE FACP MANUFACTURER. INSTALL FIRE ALARM WIRING CONTINUOUS WITHOUT SPLICES.
15. PROVIDE BOOSTER PANEL(S)/POWER MODULE(S), SIGNAL LINE CIRCUIT (ADDRESS) EXPANSION MODULES OR INTERFACES, AND ANY OTHER REQUIRED FIRE ALARM SYSTEM EXPANSION COMPONENTS THAT ARE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE CODES.

2

ENERGY CODE COMPLIANCE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

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DESIGN & CONSTRUCTION

CONSULTANT

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STATE OF NEW YORK · RAYMOND C. WONG · 108677 · LICENSED PROFESSIONAL ENGINEER

07/20/2026
EXP. 09/30/2026

CONTRACT:

ELECTRICAL

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

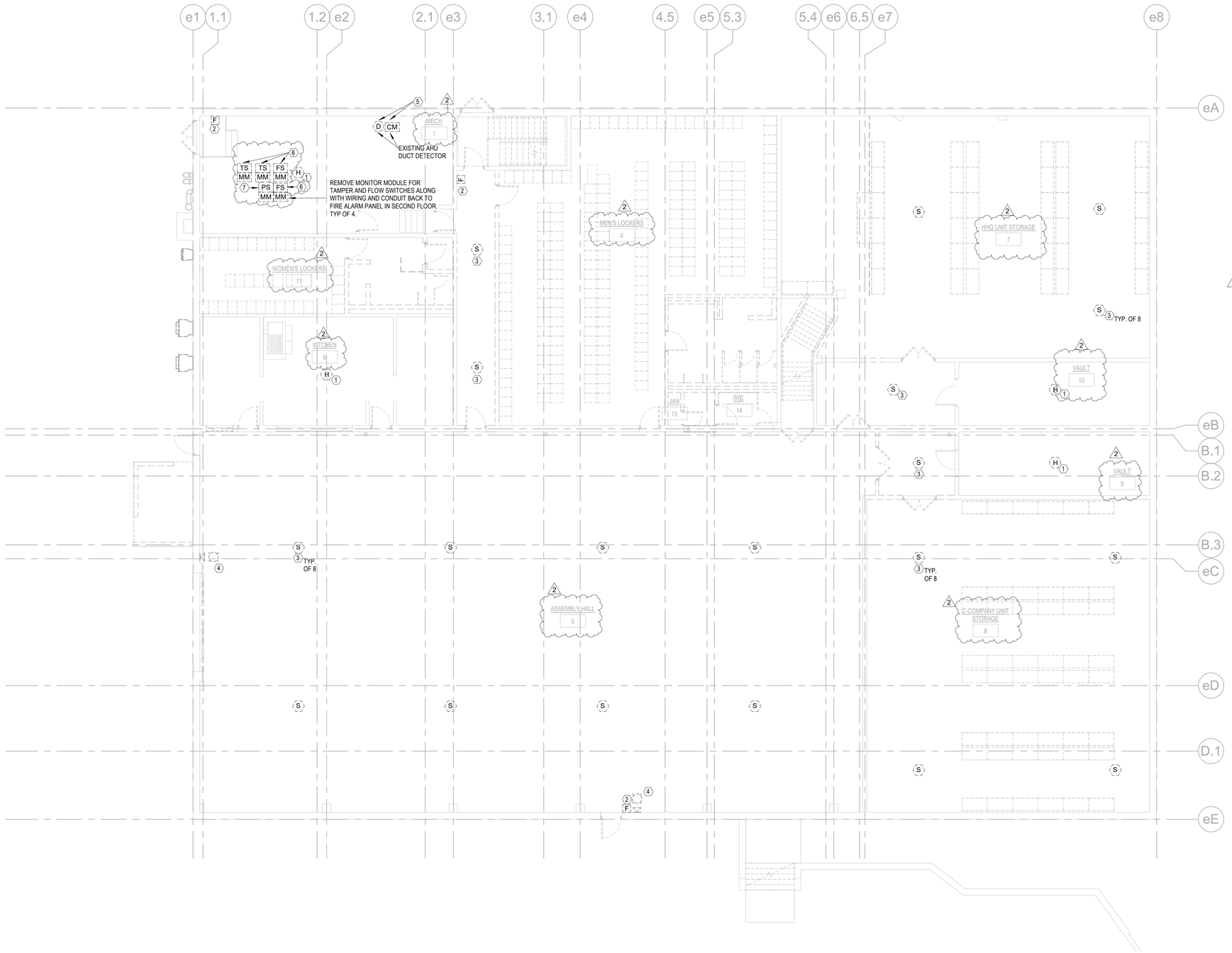
PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:

FIRE ALARM SYMBOLS, ABBREVIATIONS AND NOTES

DRAWING NUMBER:

FA-001



GENERAL NOTES:

1. REFER TO FA-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO FA-202 FOR FIRE ALARM RISER DIAGRAM.
3. REFER TO FA-202 FOR SEQUENCE OF OPERATIONS FIRE ALARM SYSTEM.
4. REFER TO FA-401 SERIES FOR TPICAL DETAILS.
5. WHERE REMOVAL OF FIRE ALARM DEVICES IS INDICATED, REMOVE ALL BACK BOXES, WIRING, AND CONDUIT BACK TO MAIN FIRE ALARM PANEL LOCATED IN SECOND FLOOR.

FA-60 KEY NOTES

1. REMOVE HEAT DETECTOR, MOUNTING BASE, WIRING AND RACEWAY BACK TO FIRE ALARM CONTROL PANEL.
2. REMOVE PULL STATION, MOUNTING BACKBOX, WIRING AND RACEWAY BACK TO FIRE ALARM CONTROL PANEL.
3. REMOVE SMOKE DETECTOR, MOUNTING BASE, WIRING AND RACEWAY BACK TO FIRE ALARM CONTROL PANEL.
4. REMOVE HORN/STROBE, BACKBOX, WIRING AND CONDUIT BACK TO FIRE ALARM PANEL.
5. REMOVE CONTROL MODULE AND DUCT DETECTOR ASSOCIATED WITH EXISTING AHU IN MECHANICAL ROOM. COORDINATE REMOVAL WORK WITH H-CONTRACTOR.
6. REMOVE THE LOW-VOLTAGE ELECTRICAL CONNECTION BETWEEN THE MONITOR MODULE AND FLOW/TAMPER SWITCHES. COORDINATE REMOVAL WITH P-CONTRACTOR.
7. REMOVE THE LOW-VOLTAGE ELECTRICAL CONNECTION BETWEEN THE MONITOR MODULE PRESSURE SWITCH. COORDINATE REMOVAL WITH P-CONTRACTOR.

D 1 LOWER LEVEL - FIRE ALARM REMOVAL
FA-060 SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH
NORTH

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EXP. 09/30/2026

CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
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2	07/20/2026	PERMIT AMENDMENT/BID SET
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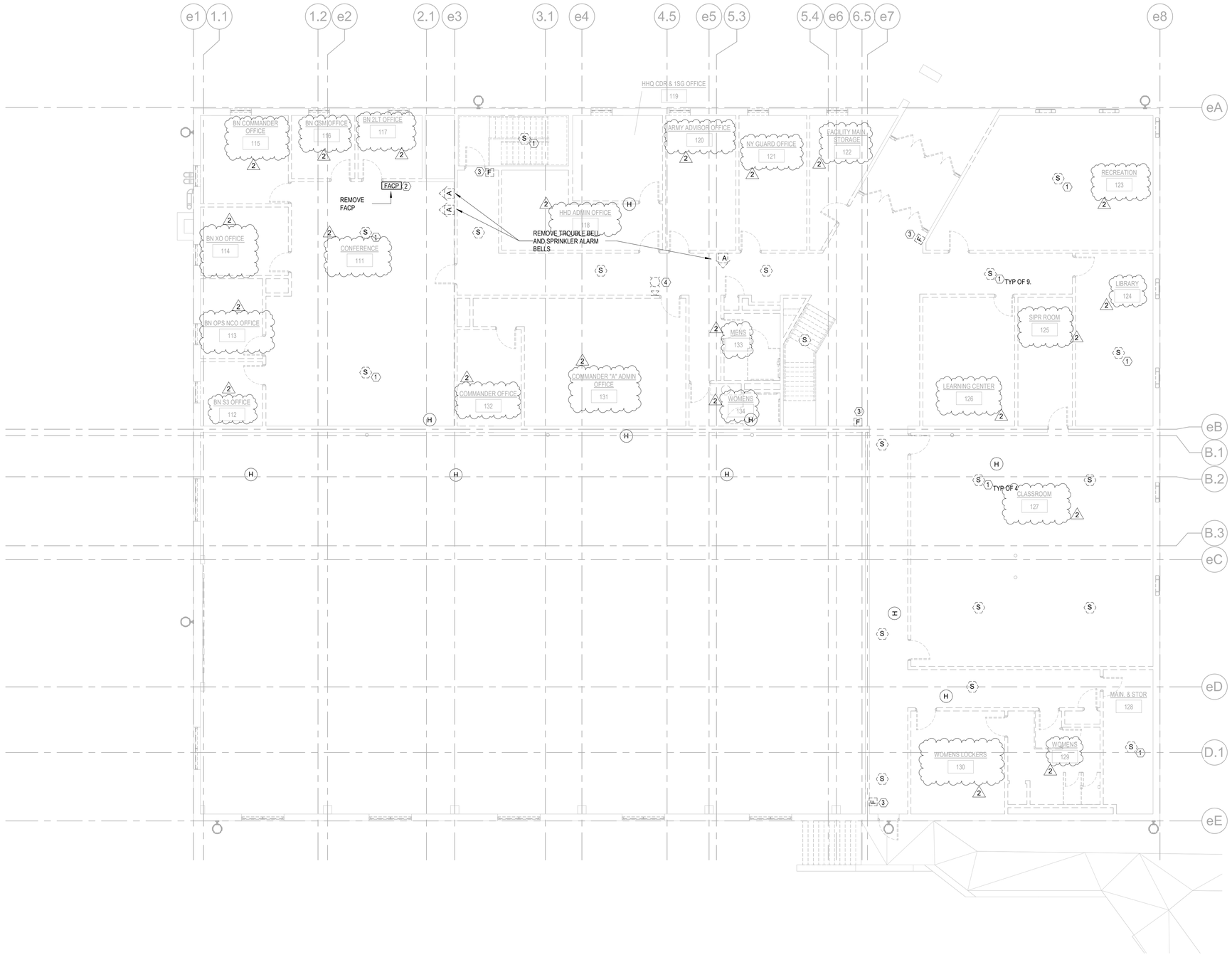
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
FIRE ALARM LOWER LEVEL REMOVAL PLAN

DRAWING NUMBER:
FA-060



GENERAL NOTES:

1. REFER TO FA-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO FA-202 FOR FIRE ALARM RISER DIAGRAM.
3. REFER TO FA-202 FOR SEQUENCE OF OPERATIONS FIRE ALARM SYSTEM.
4. REFER TO FA-401 SERIES FOR TPICAL DETAILS.
5. REMOVE ALL FIRE ALARM DEVICES, BACK BOXES, WIRING, AND CONDUIT BACK TO MAIN FIRE ALARM PANEL LOCATED IN SECOND FLOOR.

FA-61 KEY NOTES

1. REMOVE SMOKE DETECTOR, MOUNTING BASE, WIRING AND RACEWAY BACK TO FIRE ALARM CONTROL PANEL.
2. REMOVE FIRE ALARM PANEL, MOUNTING SUPPORTS, AND LINE VOLTAGE WIRING AND CONDUIT TO SOURCE PANELBOARD. COORDINATE REMOVAL OF EXISTING TELECOMMUNICATION CONNECTION FOR DIAL OUT WITH SYSTEM MONITORING COMPANY AND DIRECTOR'S REPRESENTATIVE.
3. REMOVE PULL STATION, MOUNTING BACKBOX, WIRING AND RACEWAY BACK TO FIRE ALARM CONTROL PANEL.
4. REMOVE HORN/STROBE, BACKBOX, WIRING AND CONDUIT BACK TO FIRE ALARM PANEL.

D 1 / FA-061 UPPER LEVEL - FIRE ALARM REMOVAL

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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EXP. 09/30/2026

CONTRACT:

ELECTRICAL

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

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	11/24/2025	PERMIT SET

PROJECT NUMBER: **47477-E**

DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

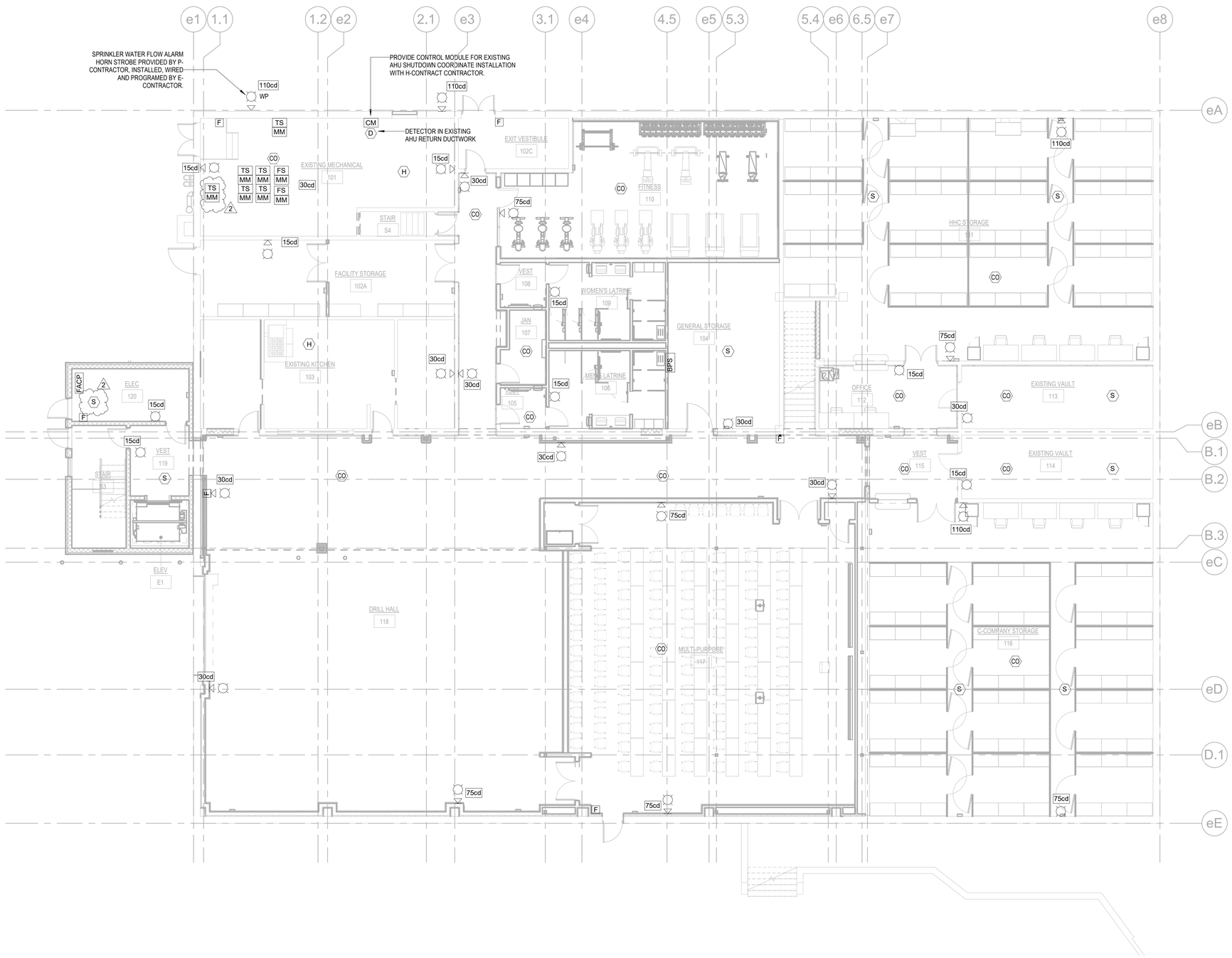
SHEET TITLE:

FIRE ALARM UPPER LEVEL REMOVAL PLAN

DRAWING NUMBER:

FA-061

SHEET 193 OF 198



GENERAL NOTES:

1. REFER TO FA001.00 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER FA202.00 FOR FIRE ALARM RISER DIAGRAM.
3. REFER TO FA202.00 FOR SEQUENCE OF OPERATIONS FIRE ALARM SYSTEM.
4. REFER TO FA401.00 SERIES FOR TPICAL DETAILS..

D 1 / FA-100 LOWER LEVEL - FIRE ALARM

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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07/20/2026

EXP. 09/30/2026

CONTRACT: ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY 2 QUINCY PLACE YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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PROJECT NUMBER: **47477-E**

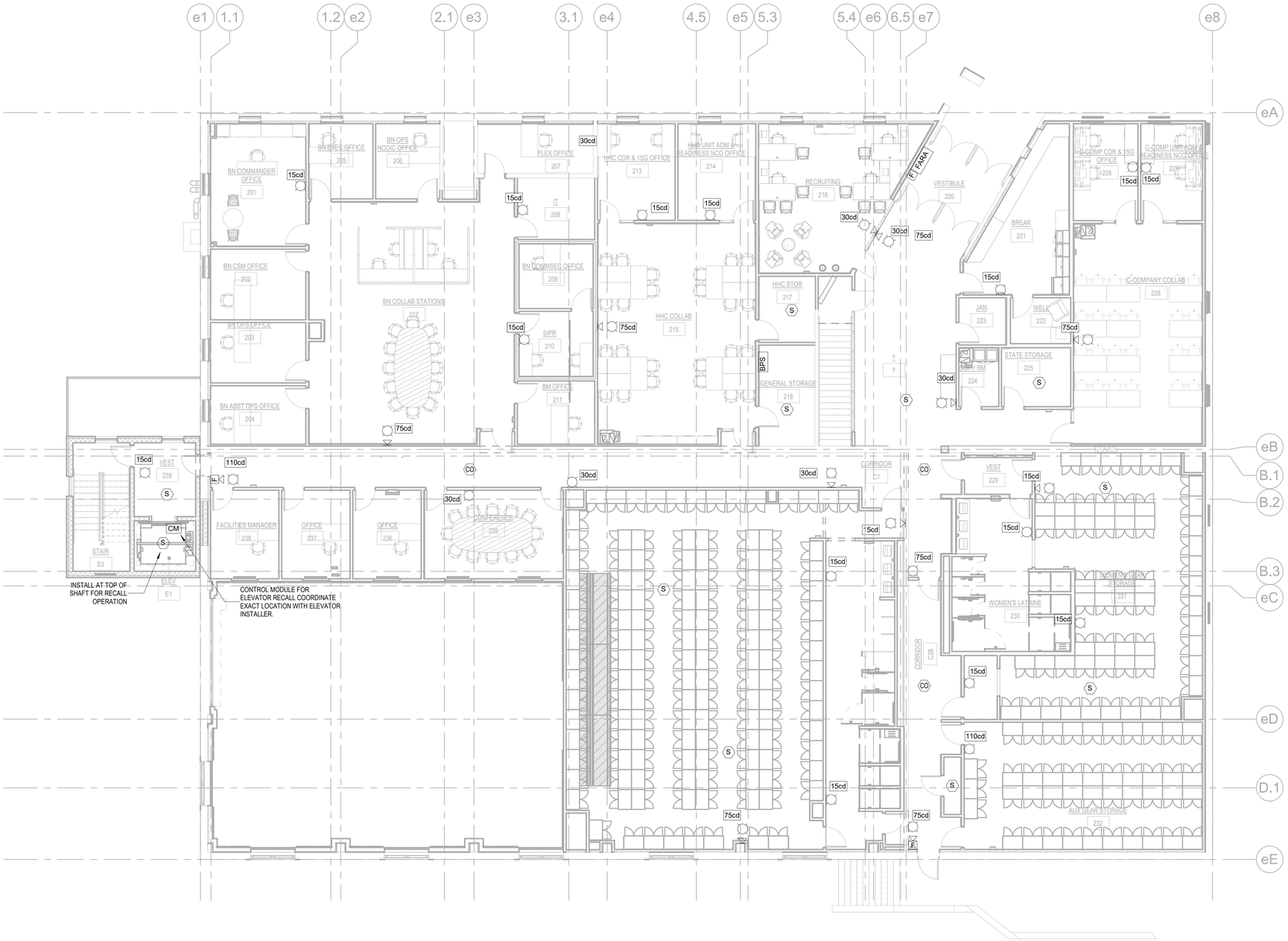
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE: FIRE ALARM LOWER LEVEL PLAN

DRAWING NUMBER: **FA-100**

GENERAL NOTES:

1. REFER TO FA001.00 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER FA202.00 FOR FIRE ALARM RISER DIAGRAM.
3. REFER TO FA202.00 FOR SEQUENCE OF OPERATIONS FIRE ALARM SYSTEM.
4. REFER TO FA401.00 SERIES FOR TPICAL DETAILS..



D | 1
FA-101

UPPER LEVEL - FIRE ALARM

SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

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CONTRACT:
ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

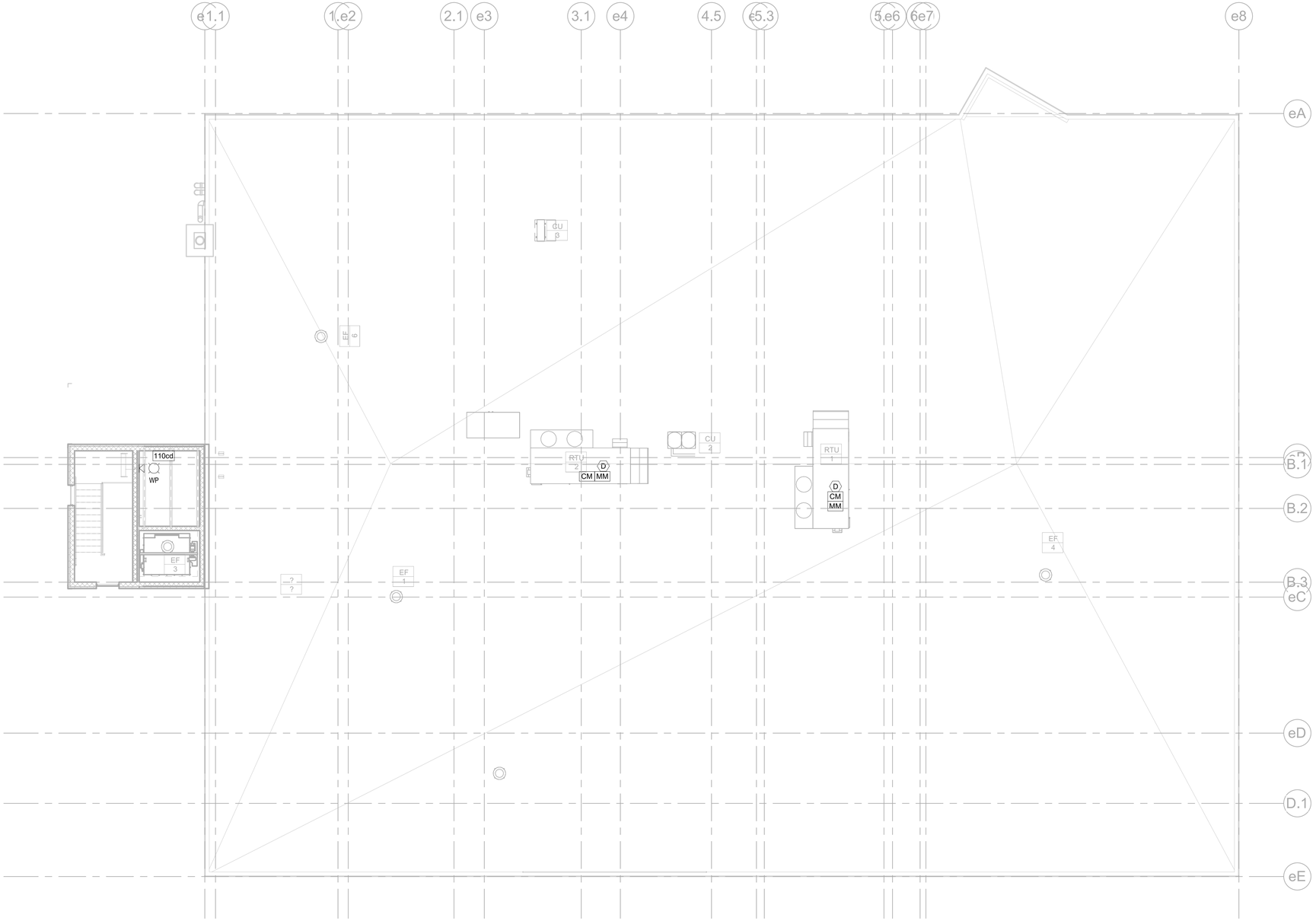
MARK	DATE	DESCRIPTION
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:	47477-E
DESIGNED BY:	DA
DRAWN BY:	DA
FIELD CHECK:	RW/HS
APPROVED:	RW/HS

SHEET TITLE:
UPPER LEVEL FIRE ALARM PLAN

DRAWING NUMBER:
FA-101

SHEET 195 OF 198



GENERAL NOTES:

1. REFER TO FA001.00 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER FA202.00 FOR FIRE ALARM RISER DIAGRAM.
3. REFER TO FA202.00 FOR SEQUENCE OF OPERATIONS FIRE ALARM SYSTEM.
4. REFER TO FA401.00 SERIES FOR TPICAL DETAILS..

D 1
FA-102
ROOF PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"

TRUE NORTH
NORTH

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

bell & spina
ARCHITECTS

A&J Consulting
Engineering Services, P.C.

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STATE OF NEW YORK
RAYMOND C. WONG
108677
LICENSED PROFESSIONAL ENGINEER
07/20/2026
EXP. 09/30/2026

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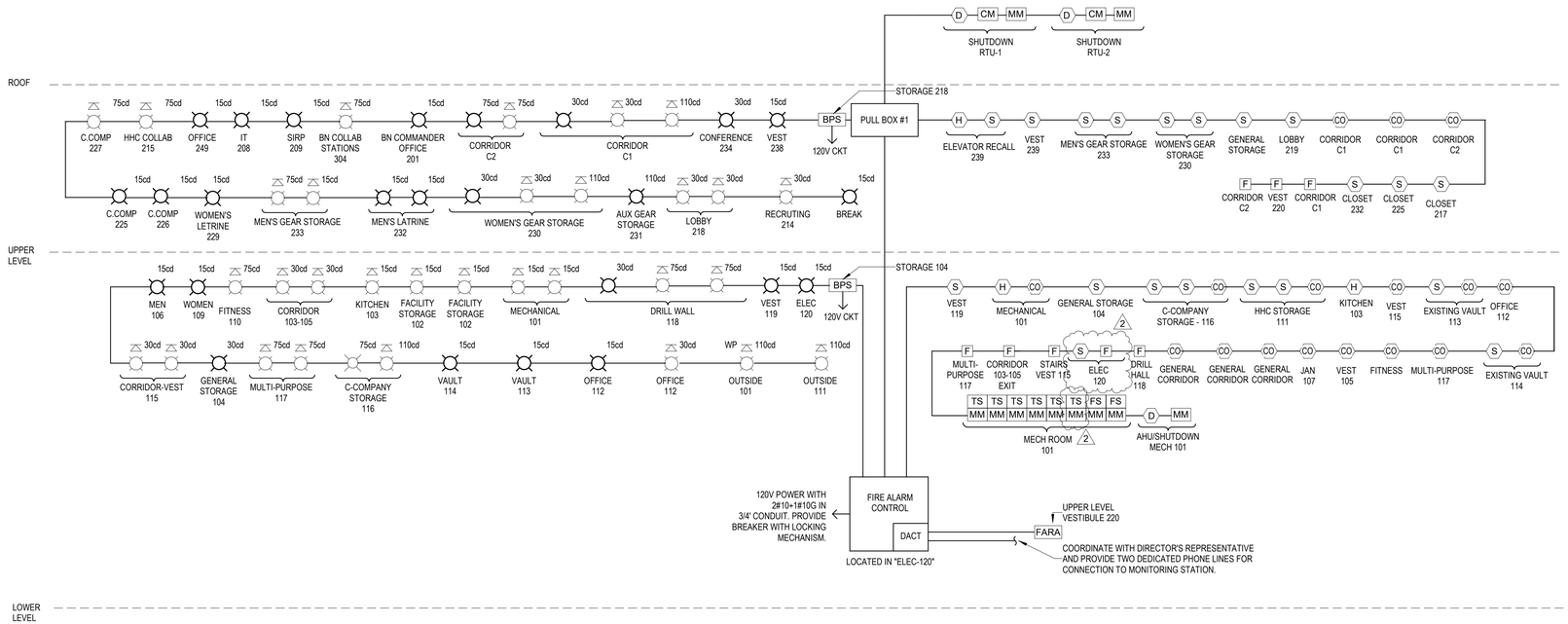
APPROVED:	RW/HS

SHEET TITLE:
FIRE ALARM ROOF PLAN

DRAWING NUMBER:
FA-102



D 1 FA-201

FIRE ALARM RISER

SCALE: N.T.S.

SYSTEM OUTPUTS

	CONTROL UNIT ANNUNCIATION								NOTIFICATION								REQUIRED FIRE SAFETY CONTROL								SUPPLEMENTAL					
SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE / VISUAL ALARM SIGNAL	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE FLOOR EVACUATION SIGNALS	ACTIVATES REMOTE ANNUNCIATOR PANEL	ACTIVATES DAMPER GROUP LED MODULE STATUS LIGHT AT FACP	TRANSMIT CO ALARM TO CENTRAL MONITORING STATION AT MAIN FIRE CONTROL PANEL	DISPLAY EVENT AT FACP AND FARA	PRINT CHANGE OF STATUS AT AT SYSTEM PRINTER FAPR	TRANSMIT MANUAL ALARM TO CENTRAL MONITORING STATION	TRANSMIT SPRINKLER ALARM	TRANSMIT AUTOMATIC ALARM MONITORING STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL MONITORING STATION	ACTIVATES LOCAL TEMPRAL 4 ON CO DETECTOR	SHUTDOWN BOILER / NON-ELECTRIC WATER HEATERS	SHUTDOWN ALL FANS ABOVE 2000 CFM AND CLOSE ALL FIRE SMOKE DAMPERS	CLOSES FIRE SMOKE DAMPERS	RECAL ELEVATOR TO MAIN LOBBY	ACTIVATE MOTORIZED DAMPER IN ELEVATOR HOUSTWAY AND DUCT SHAFT	RESTART FANS IN A STAGERED MANNER	SHUTDOWN FUEL SUPPLY TO BOILER ROOM	RELEASE MAGNETICALLY HELD OPEN DOORS	DISPLAY 'GENERATOR FAILURE' ON FACP	DISPLAY 'GENERATOR RUNNING' ON FACP	DISPLAY 'LOW FUEL' ON FACP	SHUTDWON FUEL SUPPLY TO GENERATOR		
1 MANUAL FIRE ALARM PULL STATION	X	X		X	X				X	X	X																			1
2 AREA SMOKE DETECTORS	X	X		X	X				X	X			X								X									2
3 HEAT DETECTORS	X	X		X	X				X	X			X						X	X					X					3
4 HEAT DETECTORS BOILER ROOM	X	X		X	X				X	X			X				X	X	X	X										4
5 SMOKE DETECTOR AT TOP OF ELEVATOR	X	X		X	X				X	X			X						X	X	X									5
6 SMOKE DETECTOR OF ELEVATOR LOBBY	X	X		X	X				X	X			X						X	X	X									6
7 DUCT SMOEK DETECTORS	X	X		X	X				X	X			X						X	X										7
8 FLOW SWITCH	X	X		X	X				X	X		X	X						X	X	X									8
9 TAMPER SWITCH					X		X		X	X					X															9
10 FIRE ALARM AC POWER FAILURE			X		X				X	X				X																10
11 FIRE ALARM SYSTEM LOW BATTERY			X		X				X	X				X																11
12 OPEN / SHORT CIRCUIT			X		X				X	X				X																12
13 GROUND FAULT			X		X				X	X				X																13
14 DAMPER FAILURE TO OPEN STATUS					X	X	X		X	X					X															14
15 CO DETECTOR								X	X	X						X														15
16 CO DETECTOR MECHANICAL ROOM								X	X	X						X	X								X					16
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A1			

D 2 FA-201

FA SEQUENCE OF OPERATIONS

SCALE: N.T.S

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DESIGN & CONSTRUCTION

CONSULTANT

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APPROVED:	RW/HS

SHEET TITLE:
FIRE ALARM RISER DIAGRAM

DRAWING NUMBER:
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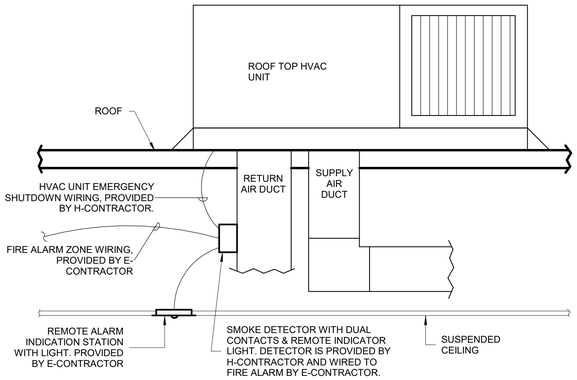
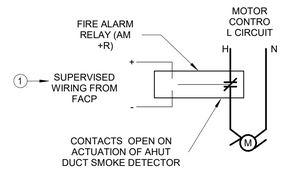


D 1 / FA-401 DUCT MOUNTED SMOKE DETECTOR DETAIL (TYPICAL)
SCALE: NTS

1 DO NOT USE AXILIARY CONTACT FROM SMOKE DETECTOR FOR AHU SHUTDOWN.



D 3 / FA-401 RTU SHUT DOWN WIRING
SCALE: N.T.S.

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APPROVED:	RW/HS

SHEET TITLE:
FIRE ALARM TYPICAL DETAILS

DRAWING NUMBER:
FA-401