

**NEW YORK CITY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER SUPPLY
 DIVISION OF INFRASTRUCTURE DESIGN & CONSTRUCTION**

**CONTRACT NO. CRO-557G
 TOWN OF MOUNT PLEASANT, NY**

**WATERFOWL
 MANAGEMENT
 PROGRAM BUILDING
 AND PAVING**

**CONFORMED
 JULY 2023**



KEY PLAN



LOCATION PLAN

CONFORMED SET
7/21/2023
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING AT KENSICO CAMPUS MOUNT PLEASANT, NY

SHEET NO.	DRAWING NO.	TITLE	SHEET NO.	DRAWING NO.	TITLE	SHEET NO.	DRAWING NO.	TITLE
	<u>GENERAL</u>			<u>STRUCTURAL</u>			<u>ARCHITECTURAL</u>	
1	G1-000	COVER	30	S0-001	GENERAL STRUCTURAL NOTES	71	A1-511	FINISH SCHEDULE, SIGNAGE AND DETAILS
2	G1-001	SHEET INDEX	31	S0-002	STRUCTURAL STANDARD DETAILS - SHEET 1	72	A1-512	FURNITURE PLAN
	<u>CIVIL</u>		32	S0-003	STRUCTURAL STANDARD DETAILS - SHEET 2	73	A1-513	ENLARGED FURNITURE PLANS & SCHEDULES
			33	S1-100	BOTTOM PLAN	74	A1-514	ENLARGED FURNITURE PLANS & SCHEDULES
			34	S1-101	BOTTOM CHORD PLAN	75	A1-515	ENLARGED FURNITURE PLANS & SCHEDULES
			35	S1-102	TOP CHORD PLAN			
3	C0-010	GENERAL NOTES, LEGENDS AND ABBREVIATIONS	36	S1-200	STEEL ELEVATIONS			
4	C0-011	OVERALL EXISTING CONDITIONS PLAN	37	S1-201	STEEL ELEVATIONS			
5	C1-100	EXISTING CONDITIONS PLAN	38	S1-202	SECTIONS			
6	C1-101	SOIL EROSION AND SEDIMENT CONTROL PLAN FOR PAVEMENT	39	S1-300	SCHEDULES AND DETAILS		<u>SECURITY</u>	
7	C1-102	SOIL EROSION AND SEDIMENT CONTROL PLAN (WATERFOWL OPERATIONS BUILDING)	40	S1-301	DETAILS			
			41	S1-302	DETAILS	76	SC1-100	PLAN
8	C1-103	DEMOLITION AND REMOVALS PLAN (WATERFOWL OPERATIONS BUILDING)		<u>ARCHITECTURAL</u>		77	SC1-101	RISER DIAGRAM
9	C1-104	RELOCATION PLAN (WATERFOWL OPERATIONS BUILDING)				78	SC1-102	CCTV FOV PLAN
10	C1-105	UTILITY PLAN	42	A0-001	GENERAL NOTES AND SYMBOLS	79	SC1-103	PANEL LAYOUTS
11	C1-106	UTILITY PLAN (WATERFOWL OPERATIONS BUILDING)	43	A0-002	ACCESSIBILITY DETAILS	80	SC1-104	DETAILS
12	C1-107	FINAL DRAINAGE PLAN (WATERFOWL OPERATIONS BUILDING)	44	A0-003	CODE ANALYSIS			
13	C1-108	FINAL GRADING PLAN (WATERFOWL OPERATIONS BUILDING)	45	A1-101	FLOOR PLAN			
14	C1-109	FINAL SITE PLAN (WATERFOWL OPERATIONS BUILDING)	46	A1-102	ROOF PLAN			
15	C1-110	PAVING STAGING PLAN	47	A1-103	REFLECTED CEILING PLAN			
16	C1-111	PAVEMENT DEMOLITION PLAN	48	A1-104	FINISH PLAN			
17	C1-112	FINAL PAVEMENT SITE PLAN	49	A1-201	EXTERIOR ELEVATIONS			
18	C1-113	FINAL GRADING PLAN	50	A1-202	EXTERIOR ELEVATIONS			
19	C1-114	DETAILS - 1	51	A1-301	BUILDING SECTIONS			
20	C1-115	DETAILS - 2	52	A1-302	BUILDING SECTIONS			
21	C1-116	DETAILS - 3	53	A1-303	WALL SECTIONS			
22	C1-117	DETAILS - 4	54	A1-304	WALL SECTIONS			
23	C1-118	DETAILS - 5	55	A1-305	SECTION DETAILS			
24	C1-119	DETAILS - 6	56	A1-306	SECTION DETAILS			
25	C1-120	DETAILS - 7	57	A1-307	FIBER CEMENT PANEL DETAILS			
	<u>LANDSCAPE</u>		58	A1-401	ENLARGED TOILET ROOM PLANS AND ELEVATIONS			
			59	A1-402	ENLARGED KITCHEN PLAN, ELEVATION, AND DETAILS			
			60	A1-403	ENLARGED PLANS AND ELEVATIONS			
			61	A1-501	PLAN DETAILS			
			62	A1-502	GYPSUM CEILING DETAILS			
			63	A1-503	METAL CEILING DETAILS			
			64	A1-504	ROOF DETAILS			
			65	A1-505	STAIR AND PORCH DETAILS			
			66	A1-506	PARTITION TYPES			
26	L0-001	GENERAL NOTES, SYMBOLS AND ABBREVIATIONS	67	A1-507	DOOR SCHEDULE AND DETAILS			
27	L1-100	PLAN	68	A1-508	STOREFRONT DETAILS			
28	L1-301	DETAILS SHEET 1	69	A1-509	STOREFRONT DETAILS			
29	L1-302	DETAILS SHEET 2	70	A1-510	INTERIOR WINDOWS AND CLERESTORY ELEVATIONS & DETAILS			

CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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	CHECKED BY: E. BARBOE	DESIGN LEAD: EDWARD BARBOE, P.E.		PORTFOLIO MANAGER MARK DELBALZO, P.E.				SCALE:
								SHEET NO: 2 OF No. 80
A 7/23 CONFORMED CR								DRAWING NO. G1-001
NO. DATE REVISIONS/DESCRIPTION APPR'D								

Autodesk DocuSign/09/09/2024 CA-T-423 WOC-02A Waterfowl Mgmt Program/09/09/2024 G_VFB.rvt 7/17/2023 9:00:28 AM

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

LEGEND

EXISTING	
	CHAINLINK FENCE
	STOCKADE FENCE
	SPLIT RAIL FENCE
	BOTTOM OF CURB LINE
	TAX LOT LINE
	OVERHEAD UTILITY LINES
	SEWER LINE (OF RECORD)
	STORM DRAIN LINE
	WATER LINE (OF RECORD)
	WATER LINE (TONE OUT)
	GAS LINE (TONE OUT)
	BUILDING
	SAW CUT LINE
	LIMIT OF WORK
	ELEVATION
	TOP OF CURB ELEVATION
	BOTTOM OF CURB ELEVATION

SEE INDIVIDUAL SHEETS FOR PROPOSED LEGEND ITEMS.

ABBREVIATIONS

ABANDONED	ABDN.
AHEAD	AH
AMERICAN SOCIETY FOR TESTING AND MATERIALS	ASTM
AS ORDER BY THE ENGINEER	AOBE
ASPHALT	ASPH.
BACK	BK
BASE LINE	B.L.
BITUMINOUS	BIT.
BUILDING	BLDG.
BLOCK	BLK.
BOTTOM OF CURB	BC
BOTTOM OF WALL	BW
BOTTOM OF SIDEWALK ELEVATION	BS
BRICK	BRK.
CATCH BASIN	CB.
CENTER LINE	C.L.
CENTER TO CENTER	C-C
CHAIN LINK FENCE	C.L.F.
CLEARANCE	CL.
CONCRETE	CONC.
CONCRETE SIDEWALK	C.S.W.
CONCRETE CURB	C.C.
DIAMETER	DIA.
DRAWING	DWG
DROP CURB	D.C.
DRYWELL	DW.
EAST	E
EDGE OF PAVEMENT	E.O.P.
ELEVATION	ELEV
ELECTRIC PULL BOX	EPB
EXISTING	EXIST.
FEET	FT
FIELD INLET	FI.
FRAME	FR.
GAS VALVE	GV
GROUND ELEVATION	GRD
HIGH-DENSITY POLYETHYLENE	HDPE
HORIZONTAL	HORZ
INCH	IN
INVERT ELEVATION	INV.
LINEAR FEET	LF
LINEAR	LIN
LONG	LG
MANHOLE	MH
MAXIMUM	MAX.
MINIMUM	MIN.
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION	NYCDEP
NORTH	N
NOT TO SCALE	N.T.S.
ON CENTER	O.C.
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	OSHA
PAVEMENT	PAVT.
POUNDS	LB
POUNDS PER SQUARE INCH	PSI
RADIUS	R
RECYCLED CONCRETE AGGREGATE	RCA
REINFORCED CONCRETE PIPE	RCP
RIM ELEVATION	RIM.
ROADWAY	RDWY.
STONE UNDERDRAIN	S
SANITARY	SAN
SEWER	SWR.
SPECIFICATIONS	SPECS.
SQUARE	SQ
STANDARD	STD.
STORM WATER	ST.W.
TOP OF CURB	TC
TOP OF WALL	TW
TYPICAL	TYP.
UNKNOWN PULL BOXES	UPB
VACANT	VAC.
VARIABLES	VAR
VERIFY IN FIELD	VIF
VERTICAL	VERT
WATER VALVE	WV
WELDED WIRE FABRIC	WWF
WELDED WIRE MESH	WWM

GENERAL NOTES

- DENOLITION AND REMOVALS / SITE CLEARING INCLUDES BUT IS NOT LIMITED TO THE REMOVAL OF SIDEWALK, CURB, PAVEMENT, DRIVEWAYS, PIPE, MANHOLES, AND OTHER SUBSURFACE STRUCTURES, TREES, BRUSH, ROOTS, DEBRIS, VEGETATION, EXISTING LIGHTS AND POLES AND ALL OTHER ITEMS REQUIRED TO CONSTRUCT THE PROJECT AND/OR AS SHOWN IN THE PLANS. SEE SPECIFICATION SECTION 02222 AND 02230 FOR REQUIREMENTS.
- DENOLITION AND REMOVALS AND EXCAVATION INCLUDES BUT IS NOT LIMITED TO EXCAVATION REQUIRED FOR SOIL RESTORATIONS, NEW MANHOLES, INLETS, OR DRAINAGE PIPES. ALL VOIDS CREATED BY THE REMOVAL OF EXISTING STORM DRAINS AND SUBSURFACE STRUCTURES SHALL BE BACKFILLED WITH SUITABLE EXCAVATION MATERIAL AS DIRECTED BY THE ENGINEER. IF NO SUITABLE EXCAVATION IS AVAILABLE IN THE OPINION OF ENGINEER, THE CONTRACTOR SHALL PROVIDE SATISFACTORY SOIL MATERIAL MEETING THE REQUIREMENTS OF THE SPECIFICATIONS FOR USE AS BACKFILL. ALL EXCAVATION SHALL COMPLY WITH OSHA REQUIREMENTS. EXPLOSIVES SHALL NOT BE ALLOWED FOR ROCK EXCAVATION. SEE SPECIFICATIONS SECTION 02222 AND 02316 FOR FULL REQUIREMENTS
- LOCATIONS OF EXISTING UTILITIES AND SEWERS SHOWN ON THE PLANS WERE DETERMINED BY STANDARD SURVEYING METHODS, AVAILABLE RECORDS AND THROUGH SOLICITATION OF THE RESPECTIVE UTILITY OWNERS. THE INFORMATION FOR THE EXACT LOCATION OF THESE UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR CORRECT. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT AND VERIFYING ALL EXISTING CONDITIONS IN THE FIELD.
- EXISTING DIMENSIONS, OFFSETS, INVERTS, RADII, ETC. SHALL BE VERIFIED IN THE FIELD PRIOR TO ANY CONSTRUCTION ACTIVITY. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION. ALL NOTIFICATIONS SHALL BE IN WRITING.
- ALL GRADING SHALL BE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL CAREFULLY DETERMINE ACTUAL GRADING LIMITS BEFORE BEGINNING DEMOLITION AND SITE CLEARING OPERATIONS. CARE SHALL BE TAKEN TO RETAIN EXISTING NATURAL GROWTH AND PREVENT DAMAGE TO TREES OUTSIDE THE PROJECT LIMITS. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL AREAS DISTURBED BY THE CONTRACTOR WITHOUT AUTHORIZATION BY THE ENGINEER SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE.
- WHERE CONSTRUCTION CROSSES OR IS ADJACENT TO AN EXISTING ELECTRIC, GAS, COMMUNICATIONS, OR OTHER UTILITY LINE, THE CONTRACTOR SHALL CAREFULLY HAND EXCAVATE TO LOCATE, MARK AND PROTECT THE UTILITY LINE AGAINST DISTURBANCE OR DAMAGE BY PROVIDING ADEQUATE SUPPORT AND PROTECTION AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL REPAIR ANY ELECTRIC POWER INTERRUPTION IMMEDIATELY, AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF TREES AND OTHER PLANTINGS WITH THE DRAINAGE, INCLUDING UNDERGROUND DRAINAGE.
- THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED. AS DETERMINED BY THE ENGINEER, ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. NO WORK SHALL BE PERFORMED ON OTHER PROPERTIES AND BUILDINGS WITHOUT THE PROPER AUTHORIZATION.
- CONTRACTOR SHALL EXERCISE CARE TO MINIMIZE CLEARING. SPECIFIC TREES AND ITEMS TO BE CLEARED MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS FROM LOCAL, STATE AND FEDERAL AGENCIES, AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
- THE CONTRACTOR SHALL PROTECT EXISTING SURVEYING AND PROPERTY LINE MONUMENTATION. ANY EXISTING SURVEYING AND PROPERTY LINE MONUMENTATION THAT IS DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- BEFORE PLANNING OR PROCEEDING WITH ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY THE "CALL BEFORE YOU DIG" NUMBER AT 811 A MINIMUM OF FIVE WORKING DAYS PRIOR TO ANY EXCAVATION OPERATIONS.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION AND IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK, IF REQUIRED, IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENTATION CONTROL PLANS AND DETAILS.
- CONTRACTOR SHALL GRADE ALL AREAS ON THE SITE TO MAINTAIN POSITIVE DRAINAGE.
- ALL CONFINED SPACE ENTRIES SHALL BE MADE IN STRICT ACCORDANCE WITH OSHA REGULATIONS REGARDING CONFINED SPACE ENTRY.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NYSDOT AND LOCAL SPECIFICATIONS, AS THEY MAY APPLY.
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICLE ACCESS TO THE SITE AT ALL TIMES IN A MANNER ACCEPTABLE TO THE ENGINEER.
- CONTRACTOR SHALL TAKE GREAT CARE TO MAINTAIN A SAFE AND SECURE WORK AREA AT ALL TIMES THROUGH THE USE OF BARRICADES AND SAFETY FENCE.
- THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS AS SET FORTH IN THE PERMITS ISSUED BY THE REGULATORY AGENCIES, IF ANY.
- PROVIDE SPECIAL INSPECTIONS AS FOLLOWS AS PER TOWN OF MOUNT PLEASANT BUILDING DEPARTMENT REQUIREMENTS, SPECIFICATIONS AND INSTRUCTIONS:
- HORIZONTAL DATUM IS NAD-83 NEW YORK EAST ZONE 3101. VERTICAL DATUM IS NAVD 88, EXPRESSED IN US FEET.
- THE CONTRACTOR SHALL DO TEST PIT FOR UTILITY CONFLICTS PRIOR TO CONSTRUCTION ACTIVITIES.
- KENSICO RESERVOIR IS RECOGNIZED AS A REGULATED WATERCOURSE BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND A REGULATED WETLAND BY THE TOWN OF MOUNT PLEASANT. BOTH ENTITIES REQUIRE A 50 FOOT BUFFER FOR ALL CONSTRUCTION ACTIVITIES NEAR THE MAXIMUM RESERVOIR ELEVATION OF 357 FEET. THE CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION ACTIVITIES WITHIN 50 FEET OF THE 357 FOOT CONTOUR WITHOUT EXPLICIT DIRECTION FROM THE ENGINEER.

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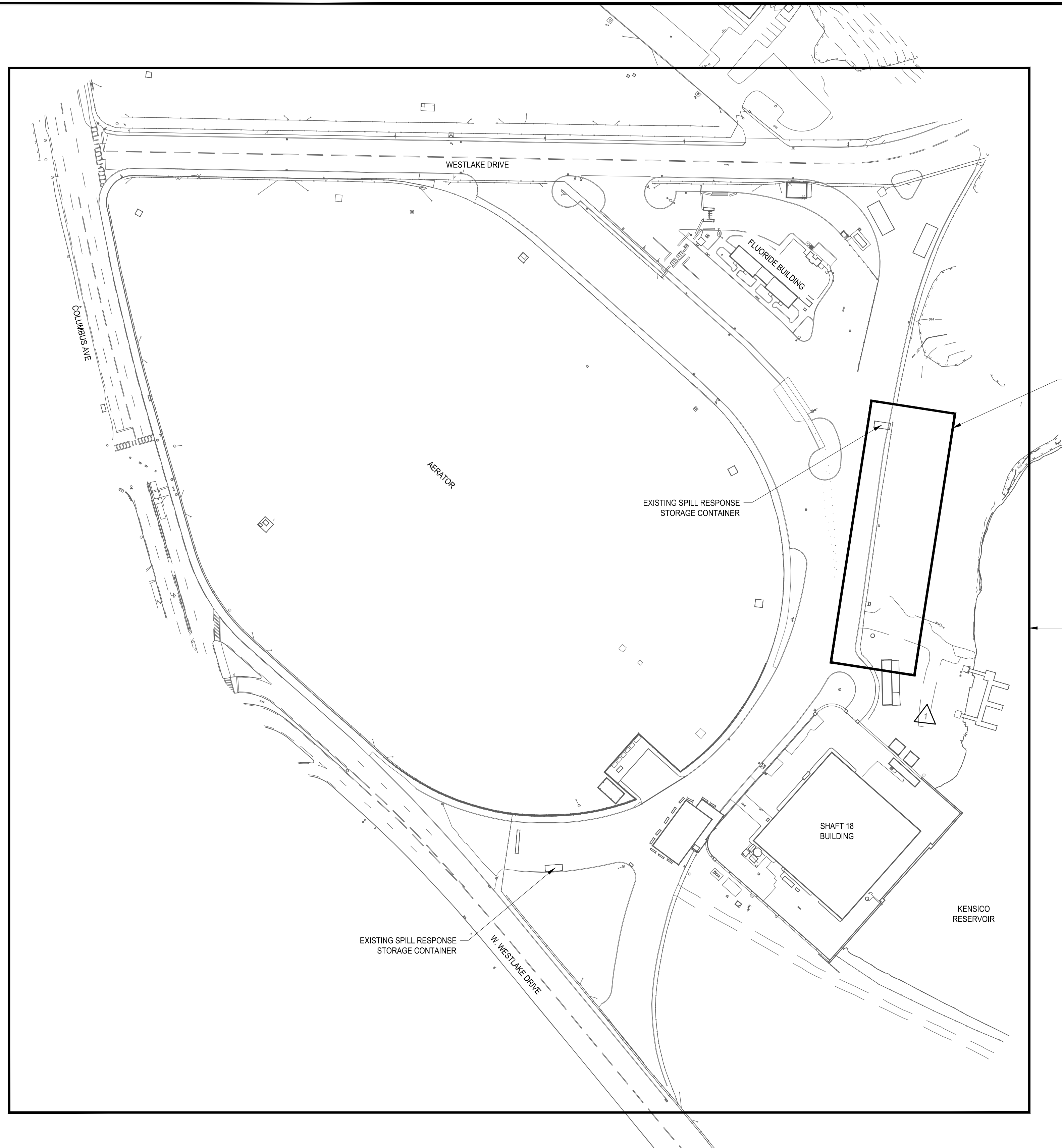
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CONFORMED SET	IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023
GENERAL NOTES, LEGENDS, AND ABBREVIATIONS	SCALE: NA
	SHEET NO: 3 OF No. 80
	DRAWING NO. C0-010



WORK AREA FOR WATERFOWL MANAGEMENT BUILDING

WORK AREA FOR PAVING AND UTILITY WORK

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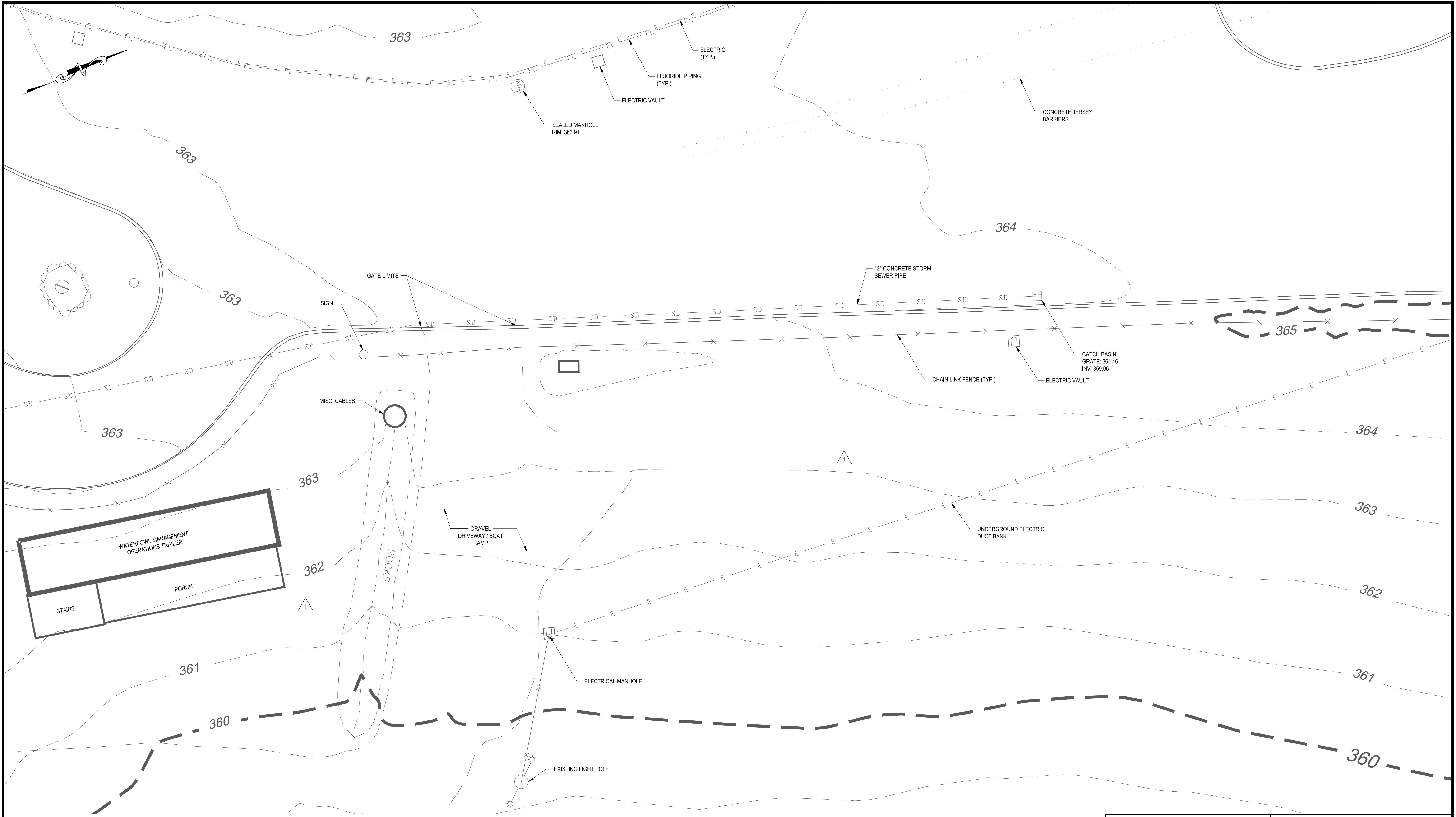
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CONFORMED SET	 <small>IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY</small>	<small>DATE: JANUARY 2023</small> <small>SCALE: 1" = 80'</small> <small>SHEET NO: 4 OF No. 80</small> <small>DRAWING NO. C0-011</small>
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK		
OVERALL EXISTING CONDITIONS PLAN		

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ACCOUNTABLE MANAGER
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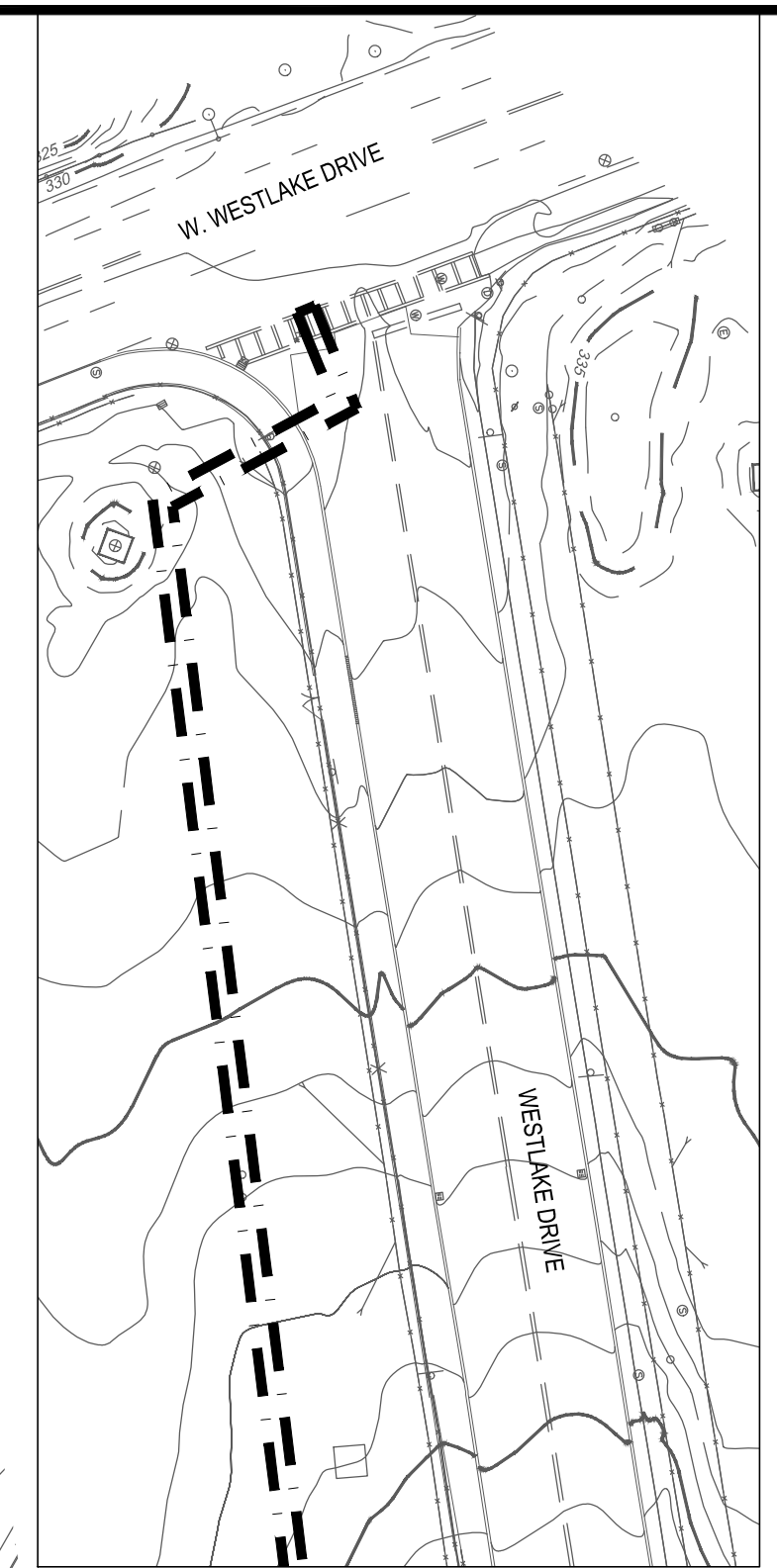
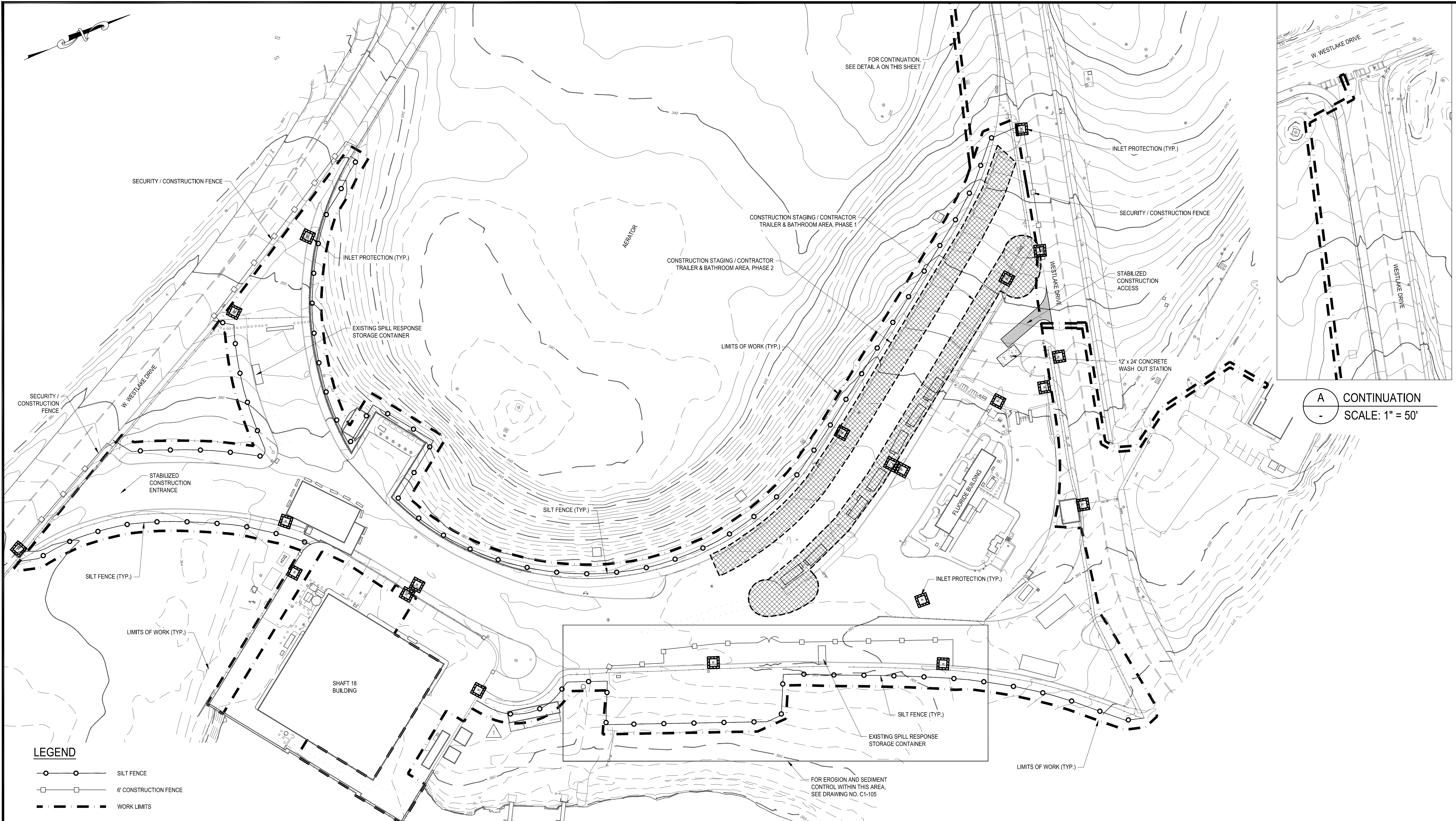
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK EXISTING CONDITIONS PLAN		

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A CONTINUATION
 - SCALE: 1" = 50'

LEGEND

- SILT FENCE
- 6' CONSTRUCTION FENCE
- WORK LIMITS
- STABILIZED CONSTRUCTION ENTRANCE
- INLET PROTECTION

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CONFORMED SET

0 50' 100'
 IF SHEET IS LESS THAN 22" X 34"
 IT IS A REDUCED PRINT.
 SCALE ACCORDINGLY

WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
 MOUNT PLEASANT, NEW YORK
 SOIL EROSION AND SEDIMENT CONTROL PLAN FOR PAVEMENT
 DATE: JANUARY 2023
 SCALE: 1" = 50'
 SHEET NO: 6 OF No. 80
 DRAWING NO. C1-101

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR
1	JAN 23	ADDENDUM NO. 1	CR


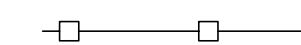

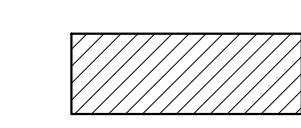


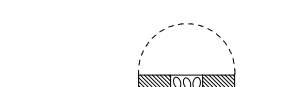
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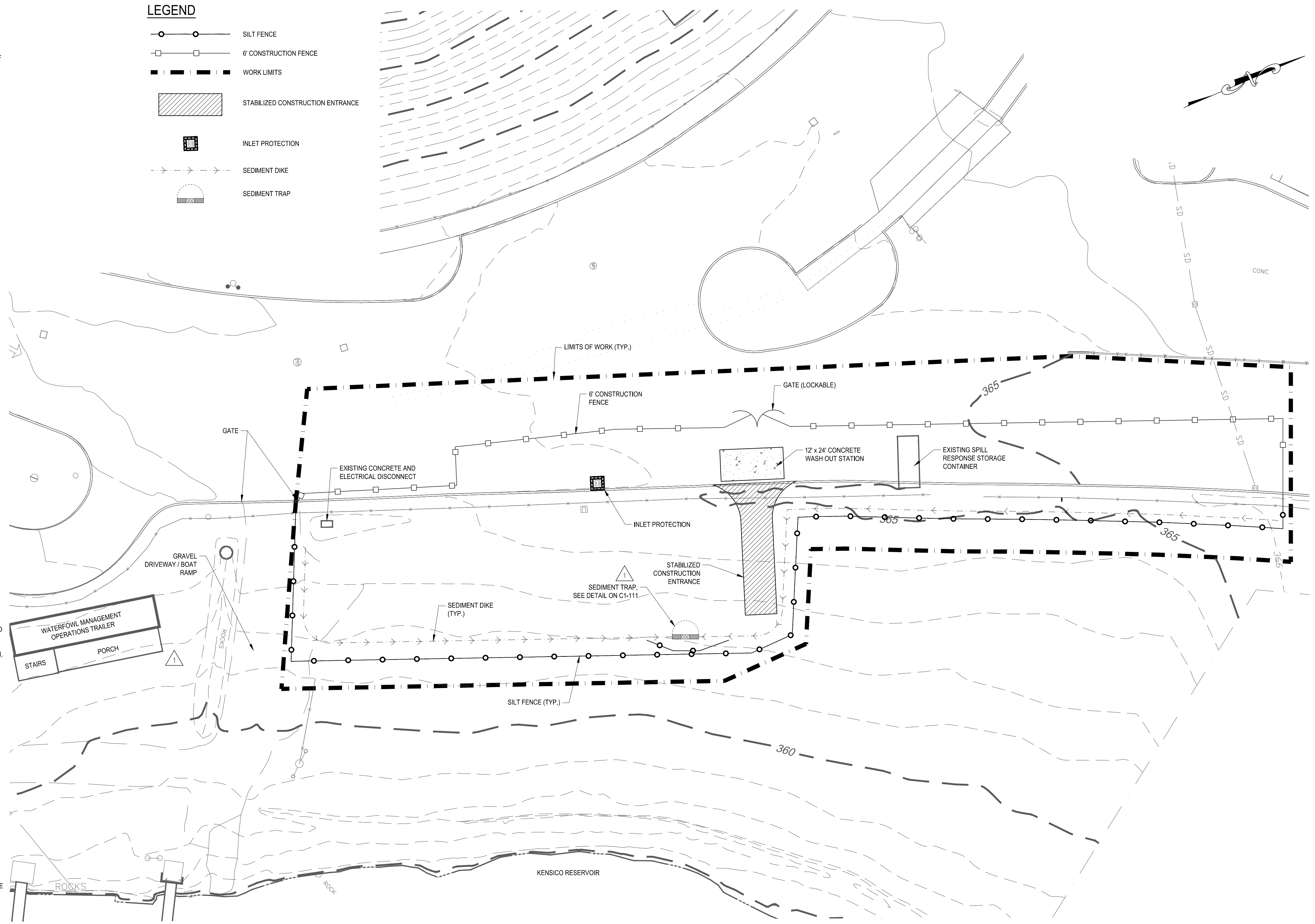
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SOIL EROSION & SEDIMENT CONTROL NOTES:

1. DUE TO CONSTRUCTION AND DEMOLITION PHASE REQUIRED BY THIS CONTRACT, IT IS ANTICIPATED THAT THE LOCATION AND NATURE OF EROSION AND SEDIMENT CONTROL MEASURES WILL BE ADJUSTED AS REQUIRED TO REFLECT THE CURRENT PHASE OF WORK. THE CONSTRUCTION SCHEDULE ADOPTED BY THE CONTRACTOR WILL IMPACT ON THE PLACEMENT AND NEED FOR SPECIFIC DEVICES REQUIRED FOR THE CONTROL OF EROSION. THE LOCATION AND EXTENT OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REVISED AT EACH PHASE OF CONSTRUCTION THAT RESULTS IN A CHANGE OF EITHER THE QUANTITY OR DIRECTION OF THE SURFACE RUNOFF FROM THE CONSTRUCTION AREAS.
2. NO CONSTRUCTION OR LAND DISTURBANCE ACTIVITY MAY BEGIN UNTIL ALL PERIMETER EROSION CONTROL MEASURES HAVE BEEN INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS. MEASURES SHALL INCLUDE BUT NOT LIMITED TO TEMPORARY DIVERSION SWALES, SILT FENCING, CATCH BASIN PROTECTION AND STABILIZED CONSTRUCTION ENTRANCE. IF CLEARING IS REQUIRED FOR INSTALLATION OF A PARTICULAR MEASURE, ALL MEASURES NOT REQUIRING CLEARING SHALL BE INSTALLED FIRST. CLEARING OF THE NECESSARY LAND FOR INSTALLATION OF THE PARTICULAR MEASURE MAY THEN PROCEED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY LAND CLEARING OR CONSTRUCTION ACTIVITY.
4. CLEARING AND PAVEMENT DEMOLITION SHALL BE LIMITED AS MUCH AS POSSIBLE TO AREAS REQUIRED FOR CURRENT CONSTRUCTION ACTIVITIES. MASS CLEARING, GRADING AND PAVEMENT DEMOLITION SHALL BE AVOIDED.
5. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S) BY INSTALLING AND MAINTAINING A STABILIZED CONSTRUCTION ENTRANCE AND BY WASHING ALL VEHICLES WHEELS IN A SAFE DISPOSAL AREA. ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) SHALL BE REMOVED IMMEDIATELY. PROPER PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) ARE REMOVED SO THAT THEY DO NOT ENTER CATCH BASINS, STORM SEWERS, COMBINED SEWERS OR ROADSIDE SWALES.
6. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED FOLLOWING EVERY RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK.
7. CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY AS REQUIRED TO MAINTAIN PERFORMANCE OF MEASURE. REMOVED SEDIMENTS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO ENSURE FURTHER SEDIMENT TRANSPORT DOES NOT OCCUR.
8. THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THIS REQUIREMENT DOES NOT APPLY IN THE FOLLOWING INSTANCES:
 - A. THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN SEVEN (7) DAYS, TEMPORARY STABILIZATION MEASURES NEED NOT BE INITIATED ON THAT PORTION OF THE SITE.
9. ALL AREAS SHALL BE FERTILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS, AND RE-SEEDED AS NECESSARY TO ESTABLISH AND MAINTAIN A VIGOROUS DENSE VEGETATIVE COVER.
10. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" 2016, OR LATEST EDITION AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
11. THE CONTRACTOR SHALL TEMPORARILY REMOVE AND REPLACE REQUIRED SECTION OF FENCE DURING PROXIMITY EXCAVATION.
12. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL PROTECTION AGAINST SILT ACCUMULATION ON EXISTING DRAINAGE.
13. THE CONTRACTOR SHALL PROVIDE ADJUSTABLE CATCH BASIN DRAIN INSERTS ON THE AFFECTED CATCH BASIN SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER.
14. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
15. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
16. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
17. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
18. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
19. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
20. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
21. FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
22. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
23. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
24. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR DEWATERING OR OTHER APPROVED METHOD.
26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
27. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF NYSDEC STANDARDS AND SPECIFICATIONS.
28. KENSICO RESERVOIR IS RECOGNIZED AS A REGULATED WATERCOURSE BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND A REGULATED WETLAND BY THE TOWN OF MOUNT PLEASANT. BOTH ENTITIES REQUIRE A 50 FOOT BUFFER FOR ALL CONSTRUCTION ACTIVITIES NEAR THE MAXIMUM RESERVOIR ELEVATION OF 357 FEET. THE CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION ACTIVITIES WITHIN 50 FEET OF THE 357 FOOT CONTOUR WITHOUT EXPLICIT DIRECTION FROM THE ENGINEER.

LEGEND

-  SILT FENCE
-  6' CONSTRUCTION FENCE
-  WORK LIMITS
-  STABILIZED CONSTRUCTION ENTRANCE
-  INLET PROTECTION
-  SEDIMENT DIKE
-  SEDIMENT TRAP



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6901 JERICHO TURNPIKE, SUITE 216
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DRAWN BY:
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DESIGN LEAD:
R. GEDEON

Hazen

NYC
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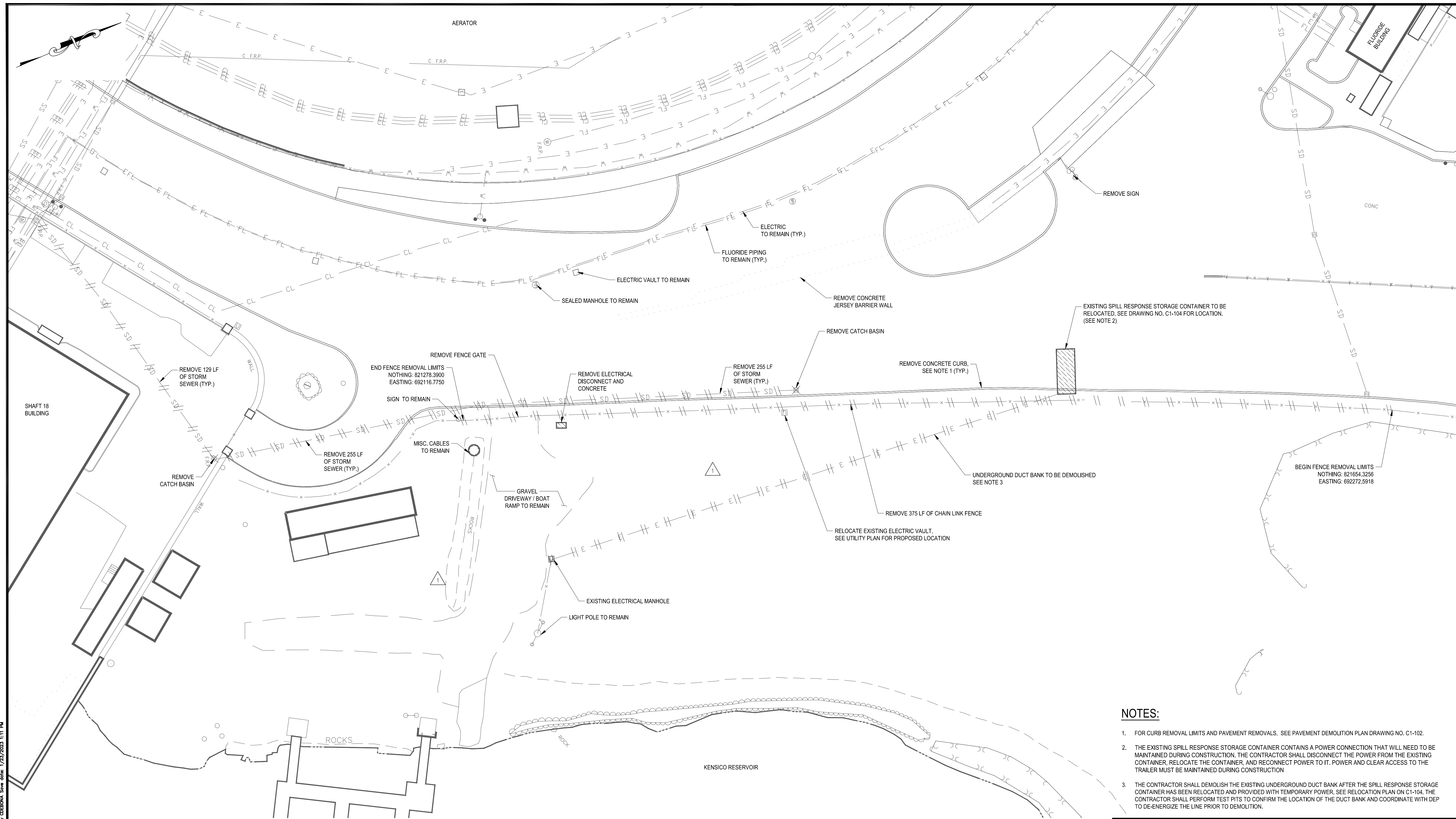
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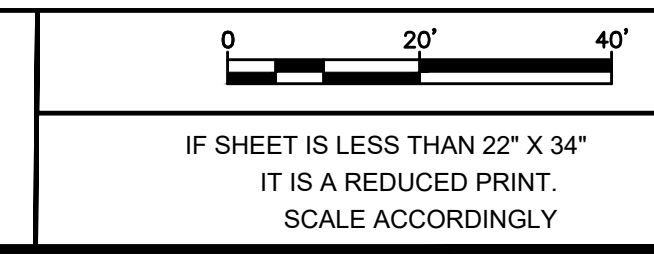
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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
SOIL EROSION AND SEDIMENT CONTROL PLAN
(WATERFOWL OPERATIONS BUILDING)

DATE: JANUARY 2023
SCALE: 1" = 20'
SHEET NO:
7 OF No. 80
DRAWING NO.
C1-102



- NOTES:**
- FOR CURB REMOVAL LIMITS AND PAVEMENT REMOVALS, SEE PAVEMENT DEMOLITION PLAN DRAWING NO. C1-102.
 - THE EXISTING SPILL RESPONSE STORAGE CONTAINER CONTAINS A POWER CONNECTION THAT WILL NEED TO BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL DISCONNECT THE POWER FROM THE EXISTING CONTAINER, RELOCATE THE CONTAINER, AND RECONNECT POWER TO IT. POWER AND CLEAR ACCESS TO THE TRAILER MUST BE MAINTAINED DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL DEMOLISH THE EXISTING UNDERGROUND DUCT BANK AFTER THE SPILL RESPONSE STORAGE CONTAINER HAS BEEN RELOCATED AND PROVIDED WITH TEMPORARY POWER, SEE RELOCATION PLAN ON C1-104. THE CONTRACTOR SHALL PERFORM TEST PITS TO CONFIRM THE LOCATION OF THE DUCT BANK AND COORDINATE WITH DEP TO DE-ENERGIZE THE LINE PRIOR TO DEMOLITION.



CONFORMED SET	DATE: JANUARY 2023
	SCALE: 1" = 20'
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	SHEET NO: 8 OF No. 80
	DRAWING NO. C1-103

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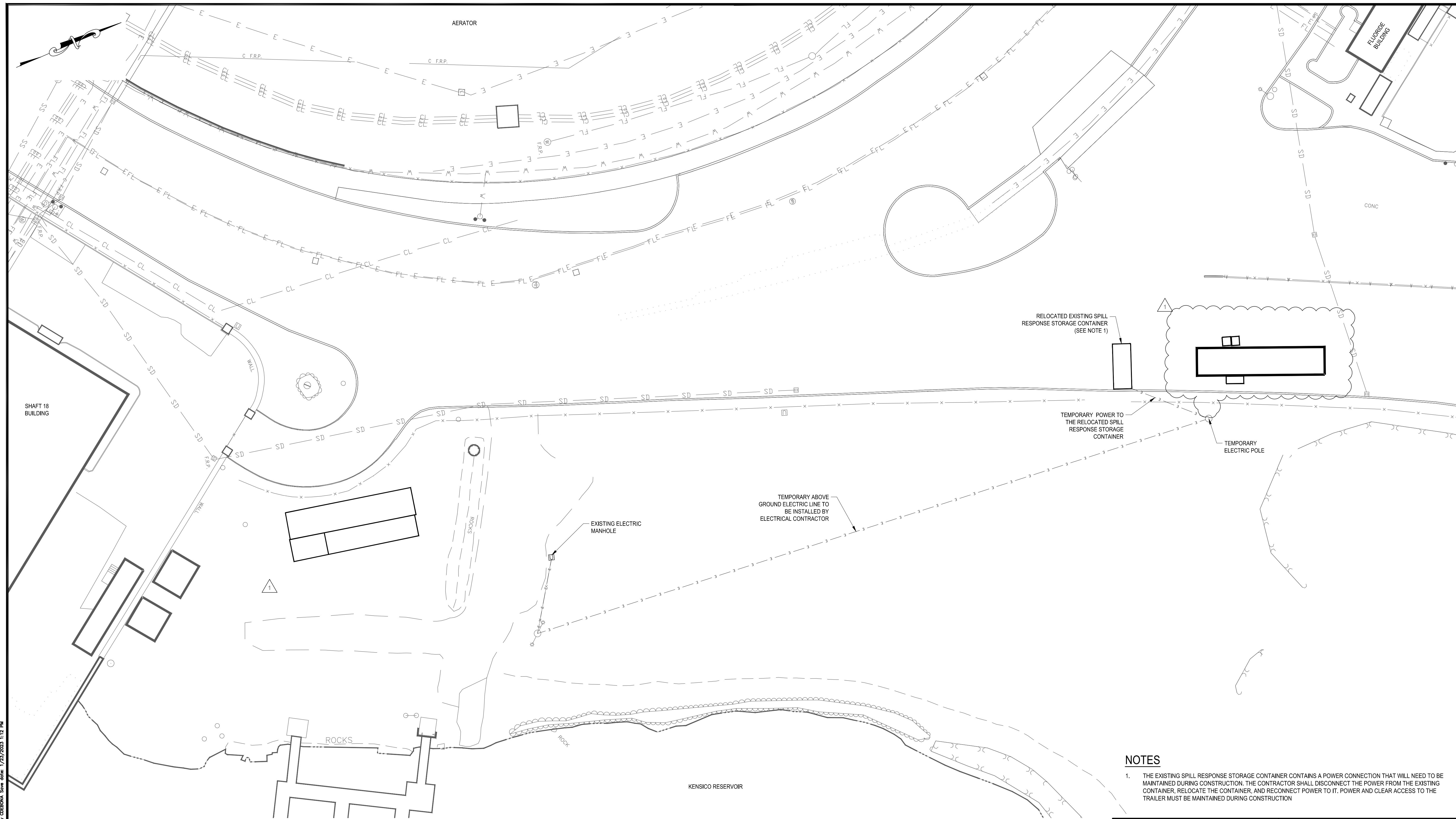
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1	JAN 23	ADDENDUM NO. 1	CR

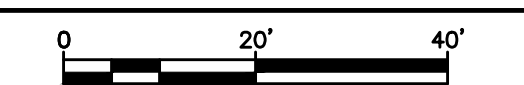
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NOTES

1. THE EXISTING SPILL RESPONSE STORAGE CONTAINER CONTAINS A POWER CONNECTION THAT WILL NEED TO BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL DISCONNECT THE POWER FROM THE EXISTING CONTAINER, RELOCATE THE CONTAINER, AND RECONNECT POWER TO IT. POWER AND CLEAR ACCESS TO THE TRAILER MUST BE MAINTAINED DURING CONSTRUCTION



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	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	SCALE: 1" = 20' SHEET NO: 9 OF No. 80
RELOCATION PLAN (WATERFOWL OPERATIONS BUILDING)		DRAWING NO. C1-104

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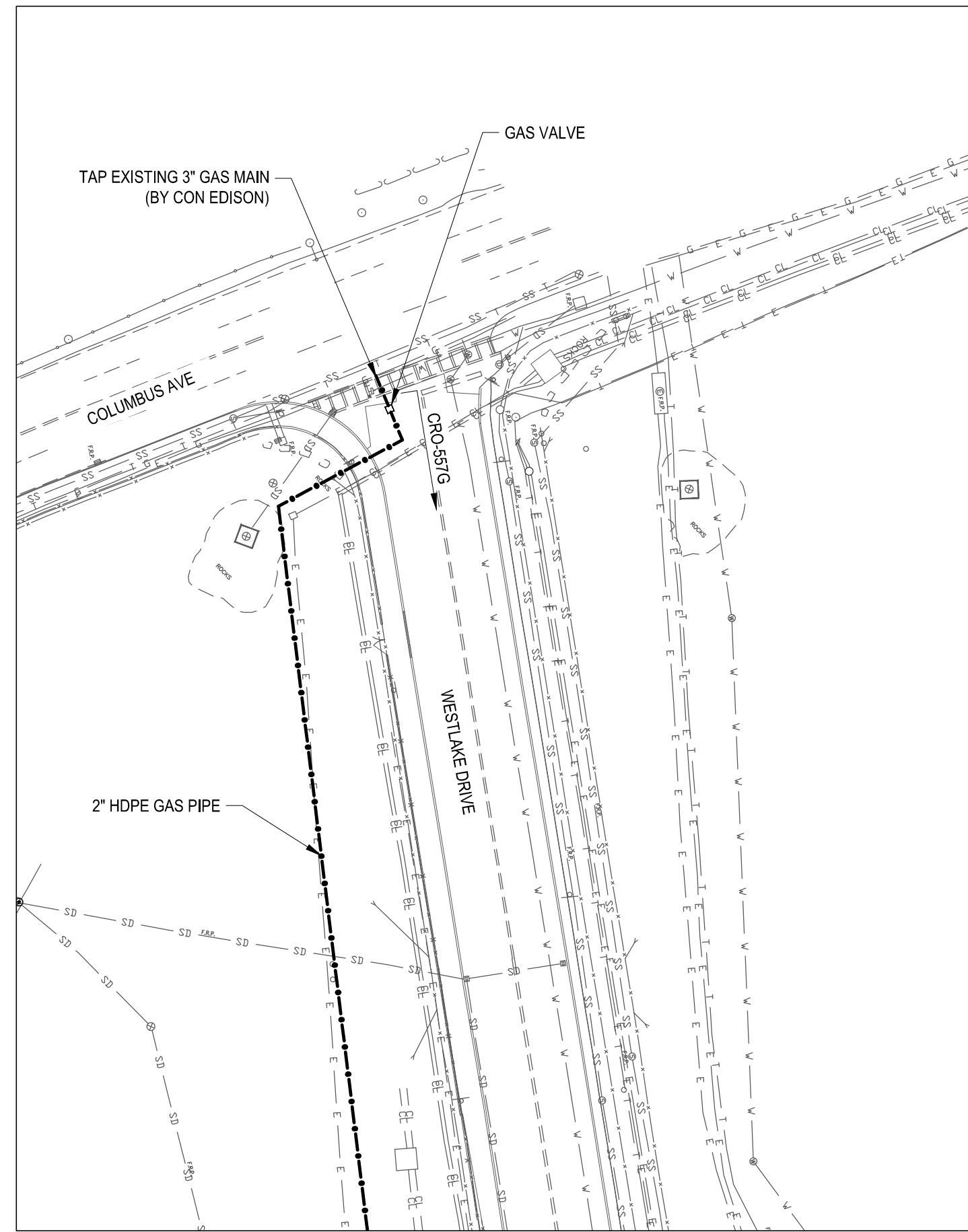
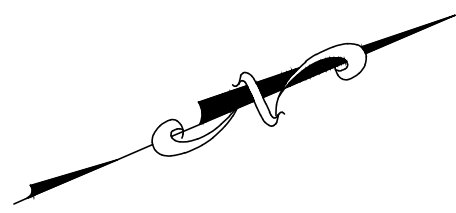
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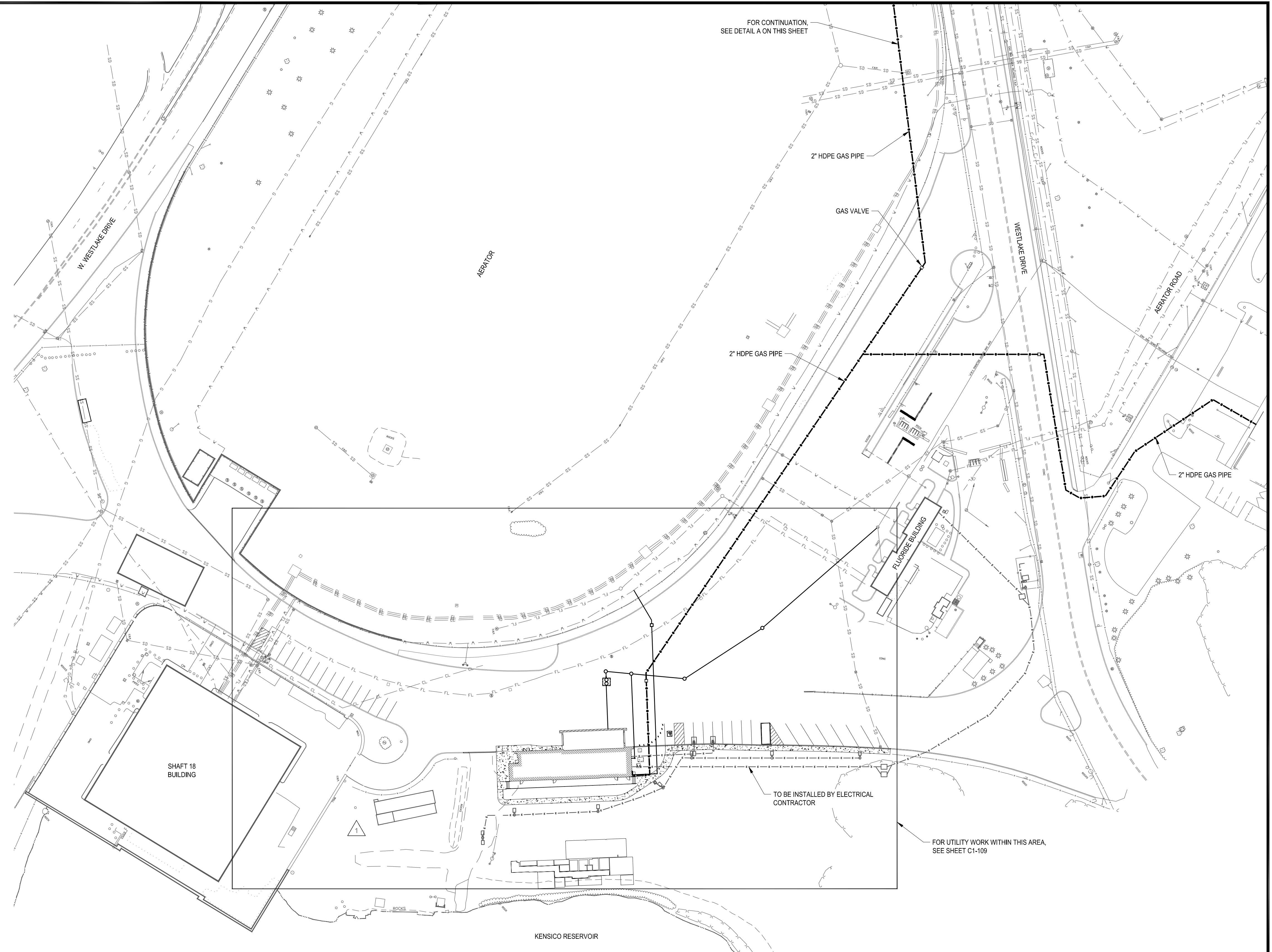
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A GAS MAIN CONNECTION
SCALE: 1" = 50'

LEGEND

- GAS PIPE
- WATER PIPE
- ELECTRICAL CONDUIT
- SANITARY PIPE
- SANITARY MANHOLE
- ELECTRIC BOX



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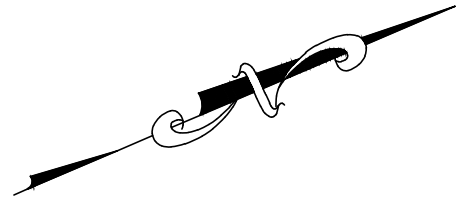
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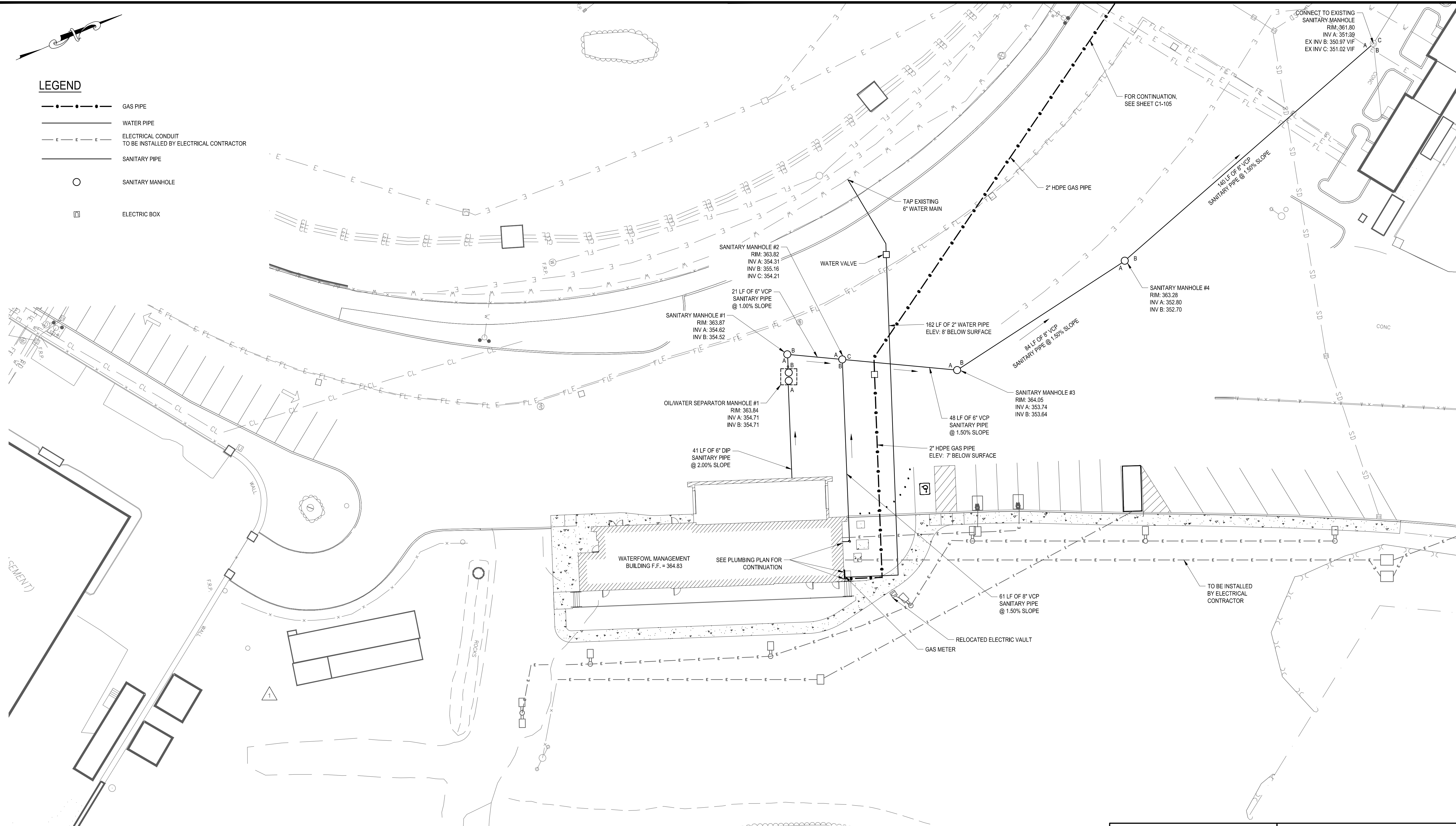
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023
UTILITY PLAN	SCALE: 1" = 50'
	SHEET NO: 10 OF No. 80
	DRAWING NO. C1-105

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LEGEND

- GAS PIPE
- — — — — WATER PIPE
- E — E — E — E — ELECTRICAL CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR
- — — — — SANITARY PIPE
- SANITARY MANHOLE
- ELECTRIC BOX



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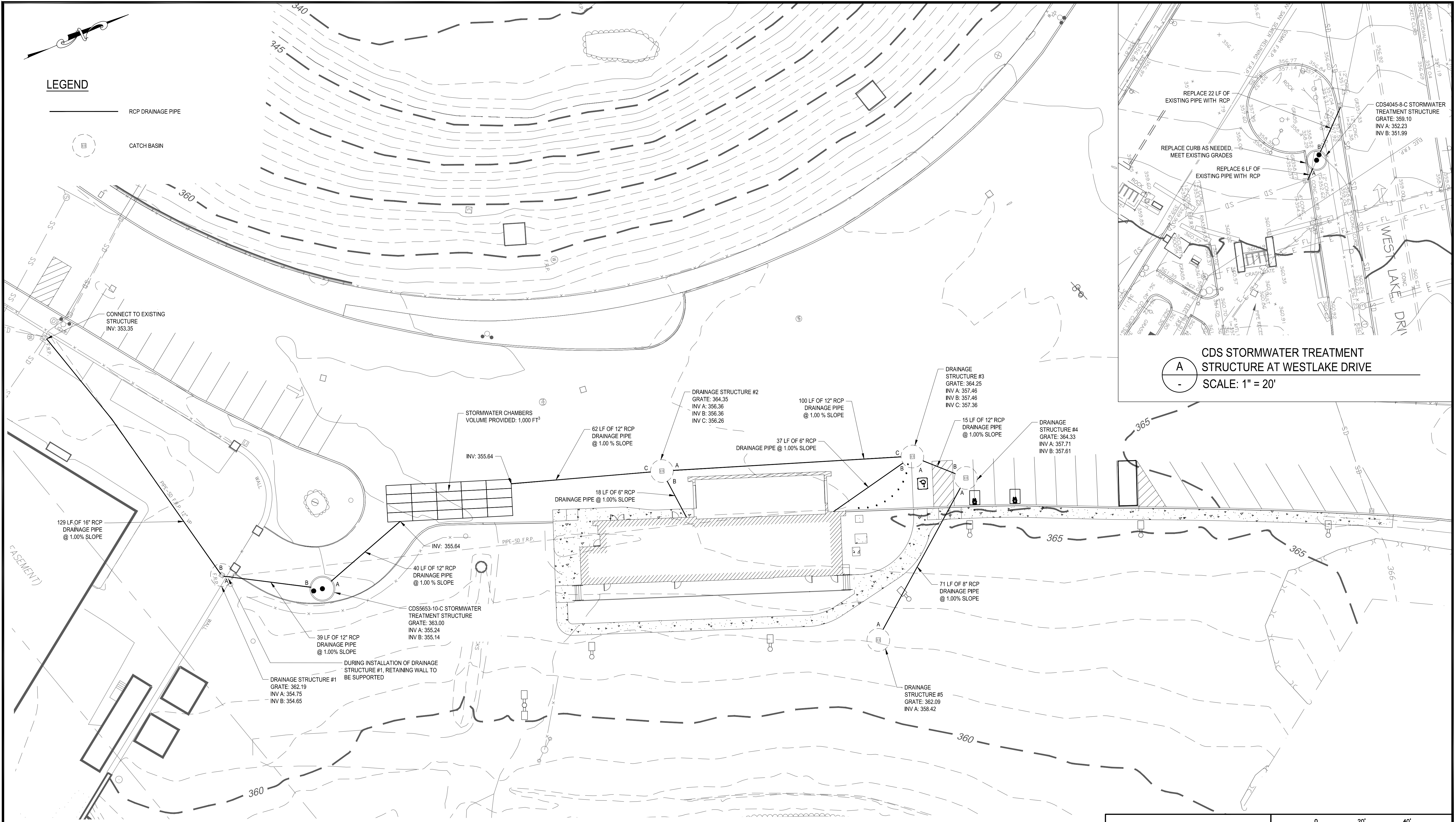
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK UTILITY PLAN (WATERFOWL OPERATIONS BUILDING)		

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LEGEND

-  RCP DRAINAGE PIPE
-  CATCH BASIN



A CDS STORMWATER TREATMENT STRUCTURE AT WESTLAKE DRIVE
SCALE: 1" = 20'

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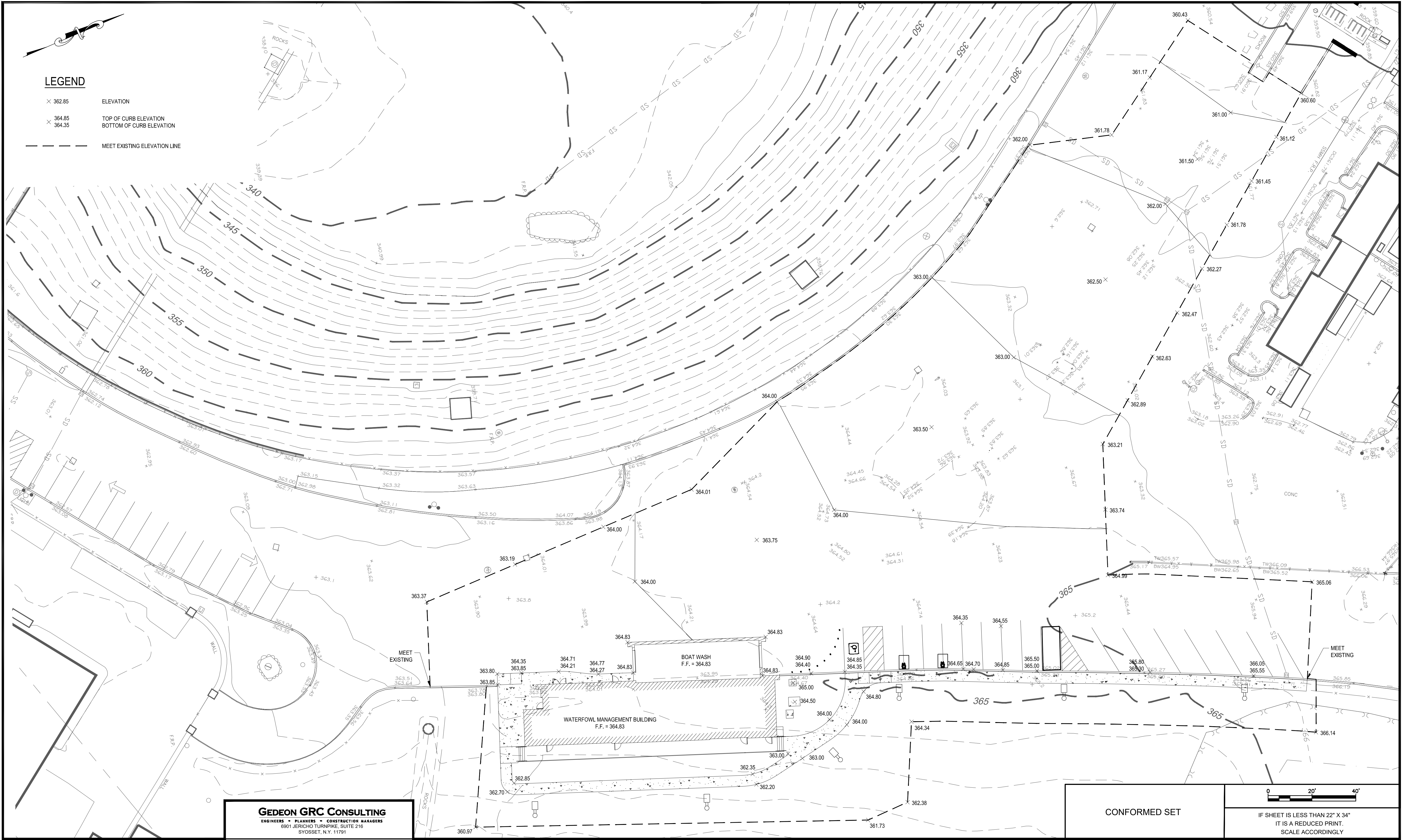
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK

FINAL DRAINAGE PLAN
(WATERFOWL OPERATIONS BUILDING)

DATE: JANUARY 2023
SCALE: 1" = 20'
SHEET NO: 12 OF No. 80
DRAWING NO. C1-107

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LEGEND

× 362.85	ELEVATION
× 364.85	TOP OF CURB ELEVATION
× 364.35	BOTTOM OF CURB ELEVATION
---	MEET EXISTING ELEVATION LINE

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 MARK DELBALZO, P.E.

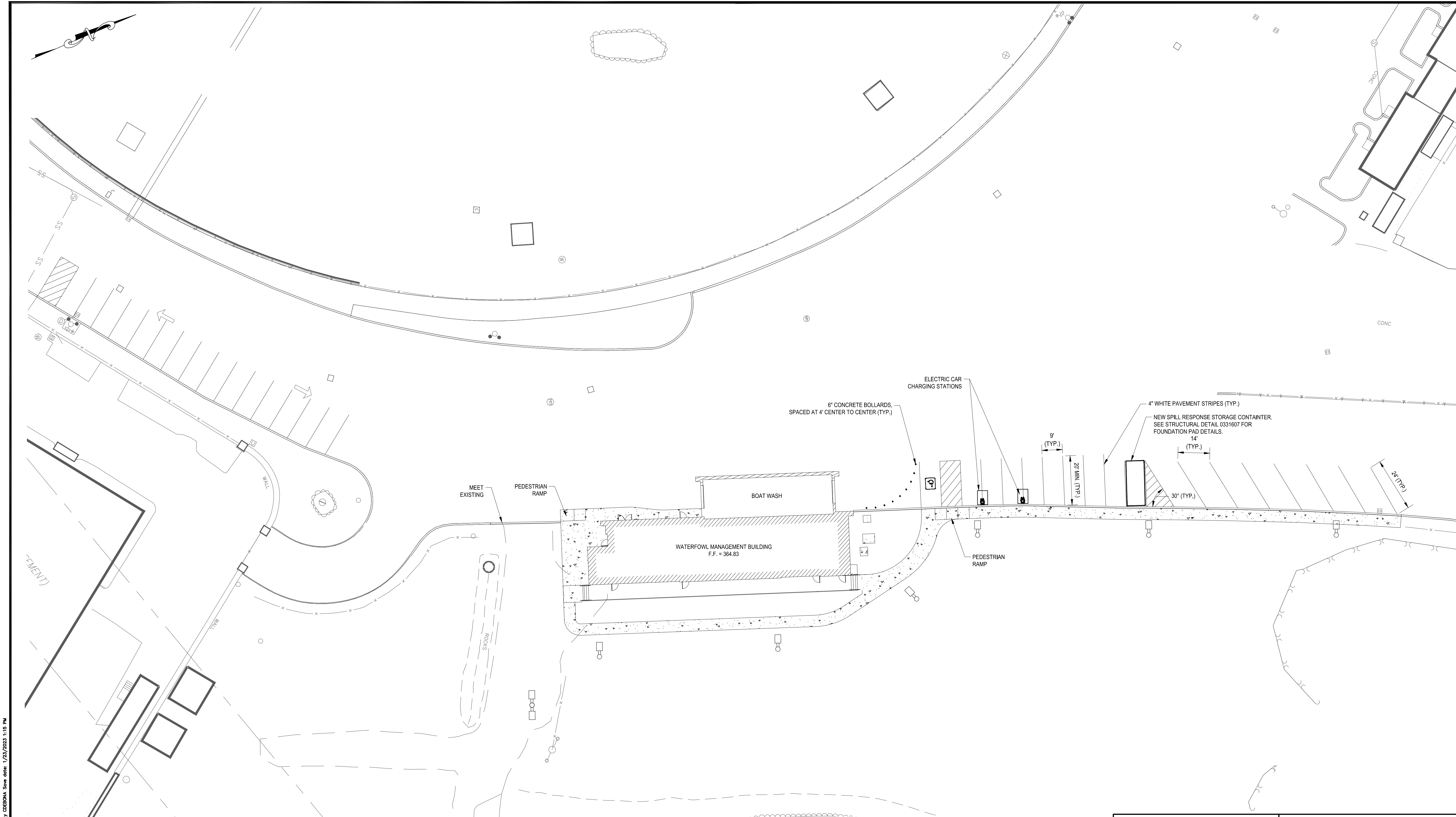
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FINAL GRADING PLAN (WATERFOWL OPERATIONS BUILDING)	
DATE: JANUARY 2023 SCALE: 1" = 20' SHEET NO: 13 OF No. 80 DRAWING NO. C1-108	

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ACCOUNTABLE MANAGER
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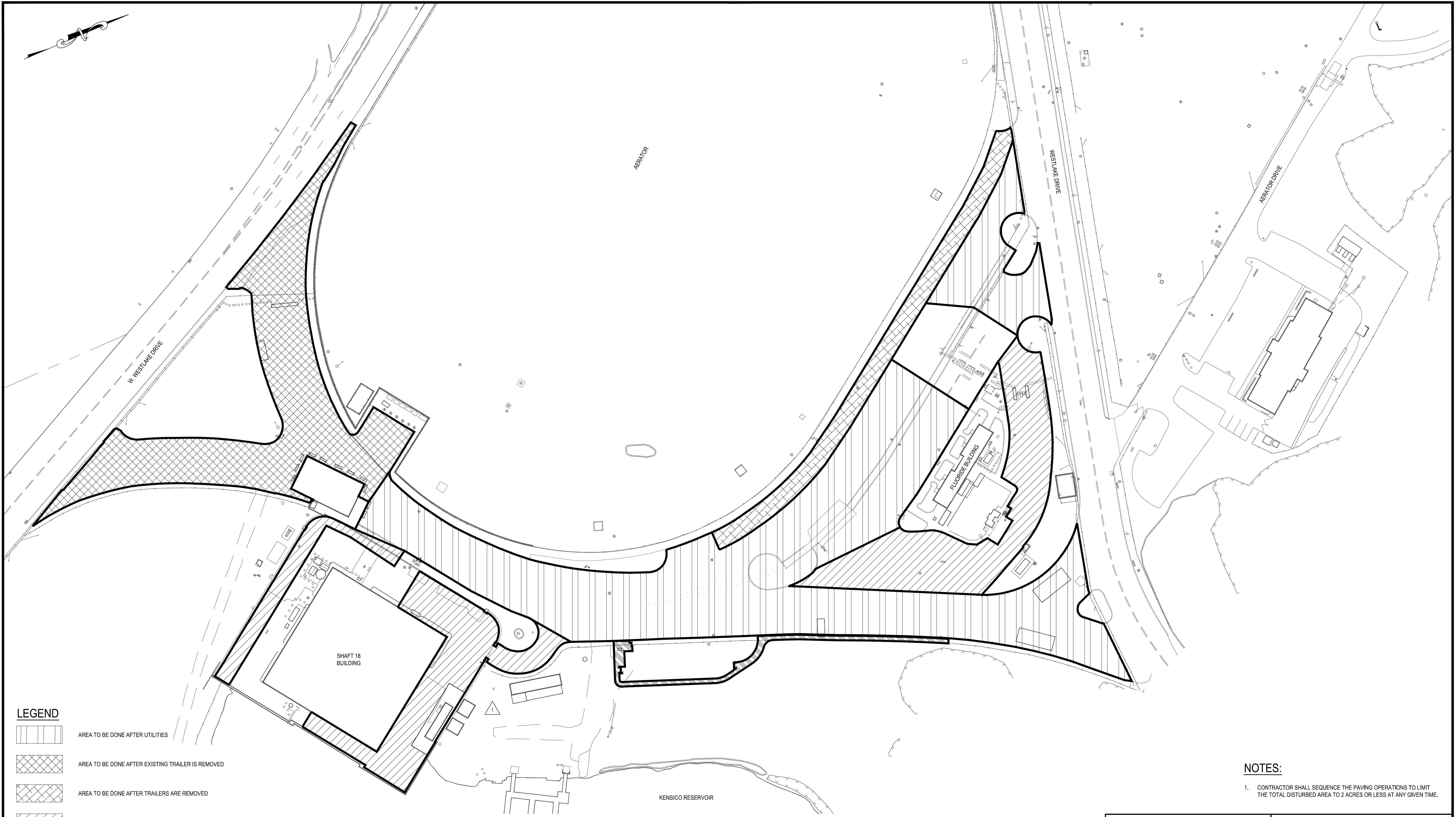
PROJECT MANAGER
 MARK DELBALZO, P.E.

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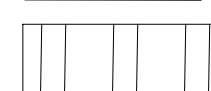

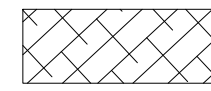


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CONFORMED SET	 <small>IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY</small>	<small>DATE: JANUARY 2023 SCALE: 1" = 20' SHEET NO: 14 OF No. 80 DRAWING NO. C1-109</small>
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK FINAL SITE PLAN (WATERFOWL OPERATIONS BUILDING)		

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

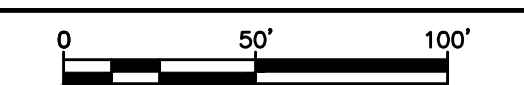


LEGEND

-  AREA TO BE DONE AFTER UTILITIES
-  AREA TO BE DONE AFTER EXISTING TRAILER IS REMOVED
-  AREA TO BE DONE AFTER TRAILERS ARE REMOVED
-  AREA TO BE DONE AT ANY TIME AFTER COMPLETION OF DEL-260
-  AREA TO BE DONE AT ANY TIME AFTER COMPLETION OF WATERFOWL BUILDING

NOTES:

1. CONTRACTOR SHALL SEQUENCE THE PAVING OPERATIONS TO LIMIT THE TOTAL DISTURBED AREA TO 2 ACRES OR LESS AT ANY GIVEN TIME.



CONFORMED SET	IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY	DATE: JANUARY 2023
	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	SCALE: 1" = 50' SHEET NO: 15 OF No. 80
PAVING STAGING PLAN		DRAWING NO. C1-110

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SYOSSET, N.Y. 11791

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CHECKED BY: J. LAPADULA	DESIGN LEAD: R. GEDEON

Hazen



ACCOUNTABLE MANAGER
JOSE NIEVES

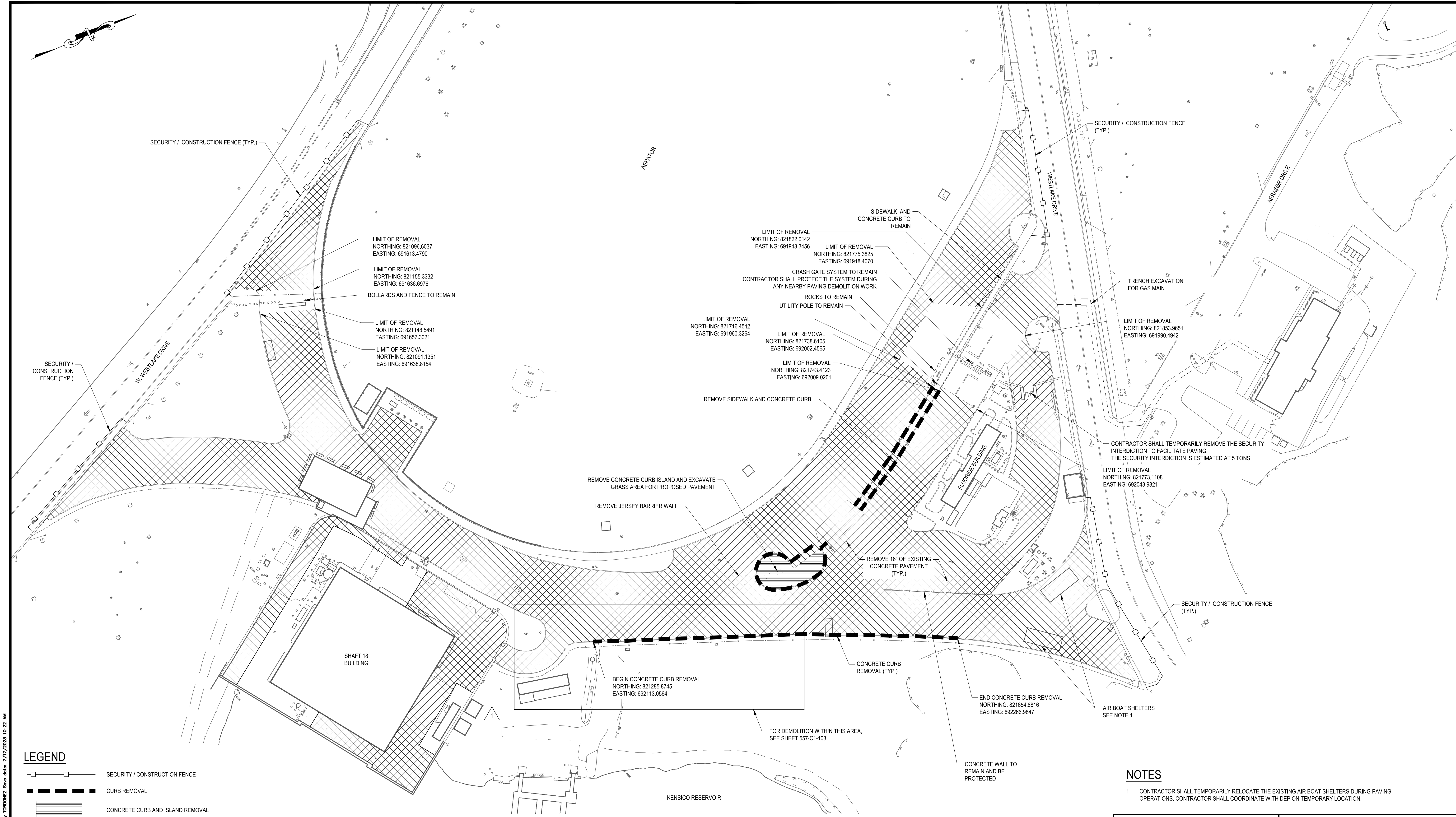
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LEGEND

	SECURITY / CONSTRUCTION FENCE (TYP.)
	CURB REMOVAL
	CONCRETE CURB AND ISLAND REMOVAL
	PAVEMENT REMOVAL

NOTES

- CONTRACTOR SHALL TEMPORARILY RELOCATE THE EXISTING AIR BOAT SHELTERS DURING PAVING OPERATIONS. CONTRACTOR SHALL COORDINATE WITH DEP ON TEMPORARY LOCATION.

CONFORMED SET

0 50' 100'

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR
1	JAN 23	ADDENDUM NO. 1	CR

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DESIGN LEAD:
R. GEDEON

Hazen

NYP
Environmental Protection

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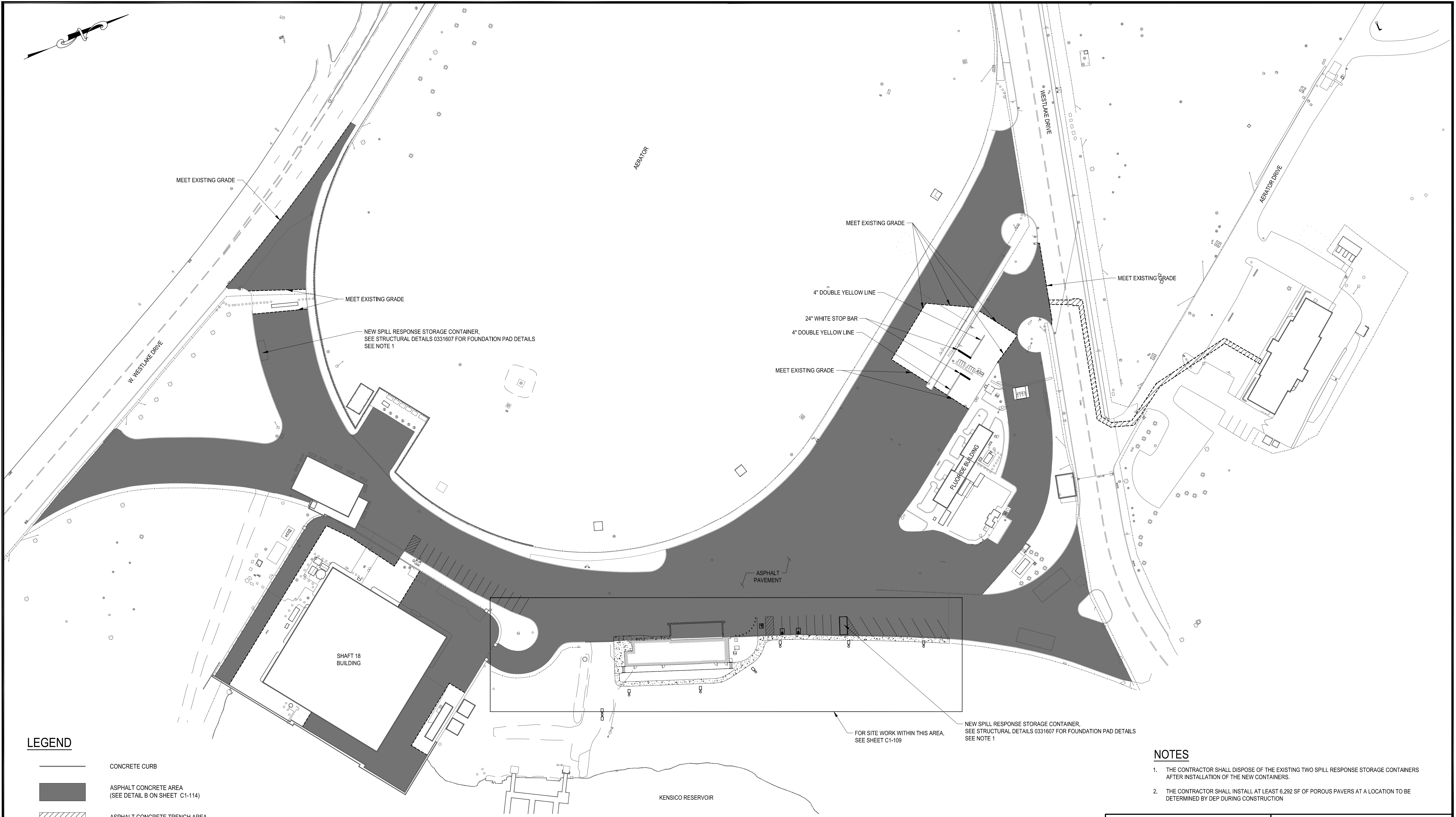
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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK



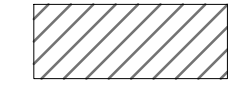
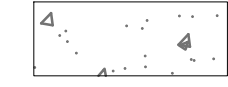
PAVEMENT DEMOLITION PLAN

DATE: JANUARY 2023
SCALE: 1" = 50'
SHEET NO:
16 OF No. 80
DRAWING NO.
C1-111

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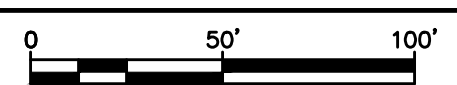


LEGEND

-  CONCRETE CURB
-  ASPHALT CONCRETE AREA
(SEE DETAIL B ON SHEET C1-114)
-  ASPHALT CONCRETE TRENCH AREA
(SEE DETAIL F ON SHEET C1-114)
-  CONCRETE SIDEWALK

NOTES

1. THE CONTRACTOR SHALL DISPOSE OF THE EXISTING TWO SPILL RESPONSE STORAGE CONTAINERS AFTER INSTALLATION OF THE NEW CONTAINERS.
2. THE CONTRACTOR SHALL INSTALL AT LEAST 6,292 SF OF POROUS PAVERS AT A LOCATION TO BE DETERMINED BY DEP DURING CONSTRUCTION



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CHECKED BY: J. LAPADULA	DESIGN LEAD: R. GEDEON



ACCOUNTABLE MANAGER JOSE NIEVES
PROJECT MANAGER MARK DELBALZO, P.E.

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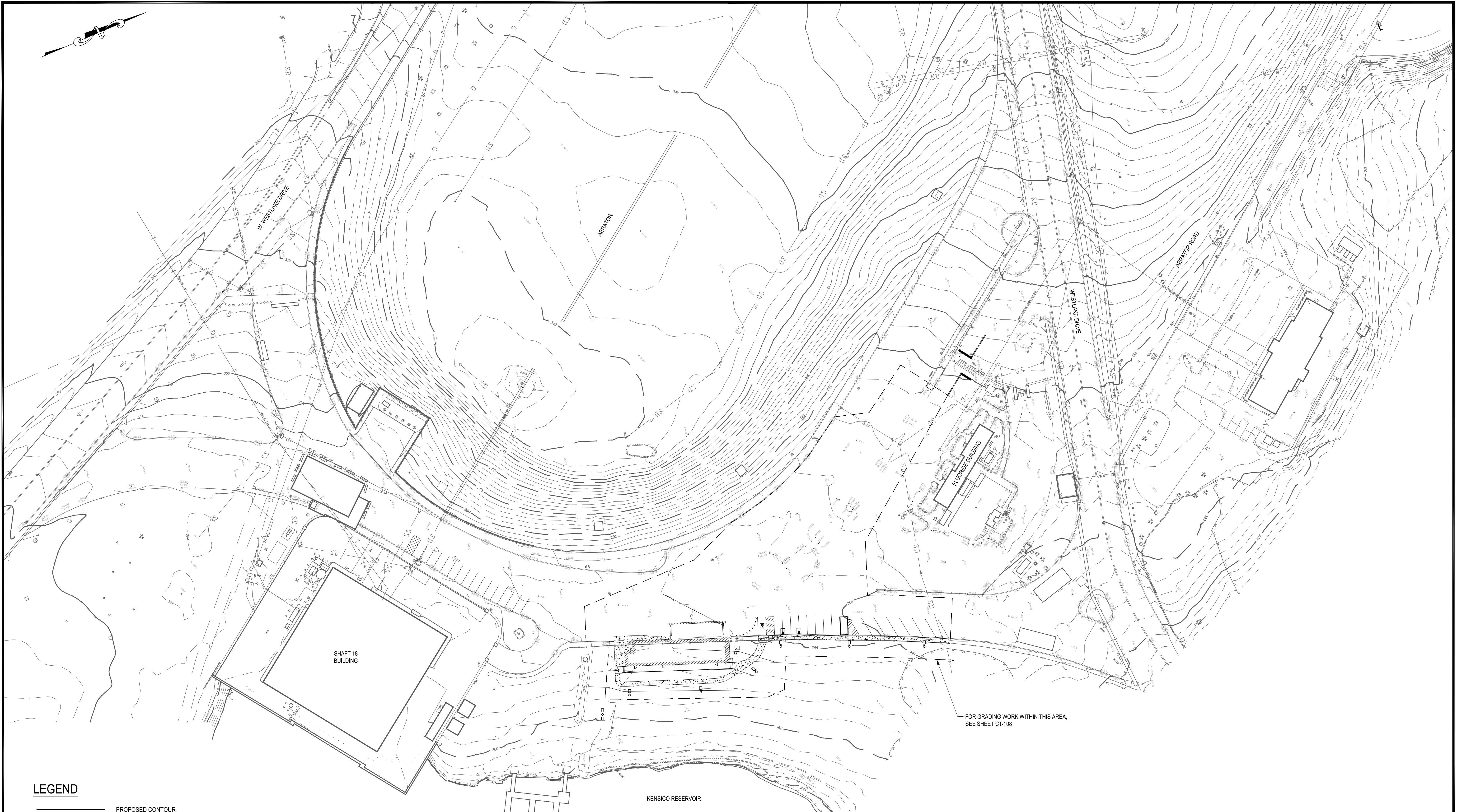
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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK

FINAL PAVEMENT SITE PLAN

DATE: JANUARY 2023
SCALE: 1" = 50'
SHEET NO: 17 OF No. 80
DRAWING NO. C1-112

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LEGEND

- PROPOSED CONTOUR
- - - EXISTING MAJOR CONTOUR
- - - EXISTING MINOR CONTOUR

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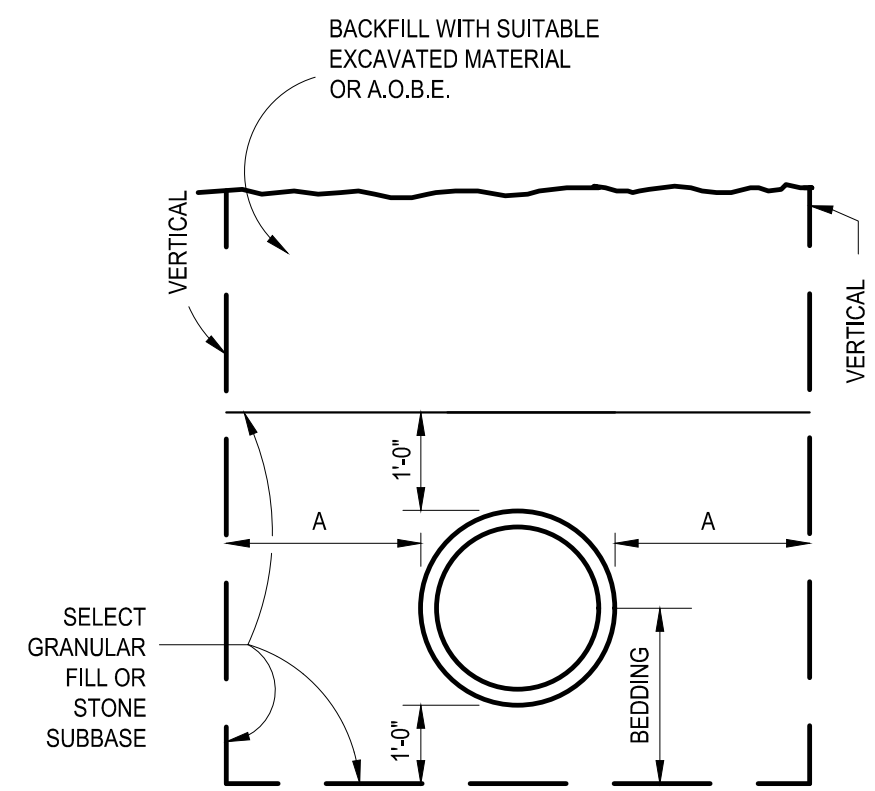
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	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK FINAL GRADING PLAN
DATE: JANUARY 2023 SCALE: 1" = 50' SHEET NO: 18 OF No. 80 DRAWING NO. C1-113	

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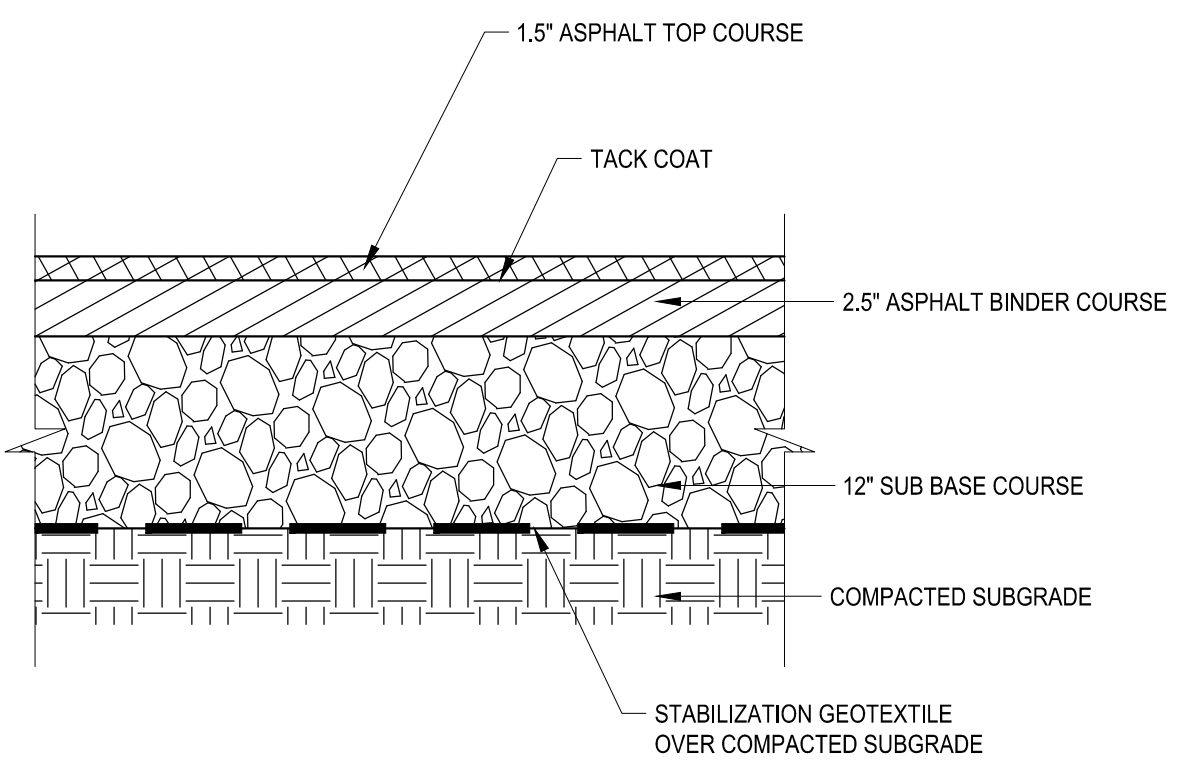


CONTINUE TO LAY BACK TRENCH WALL IN ACCORDANCE WITH OSHA REQUIREMENTS

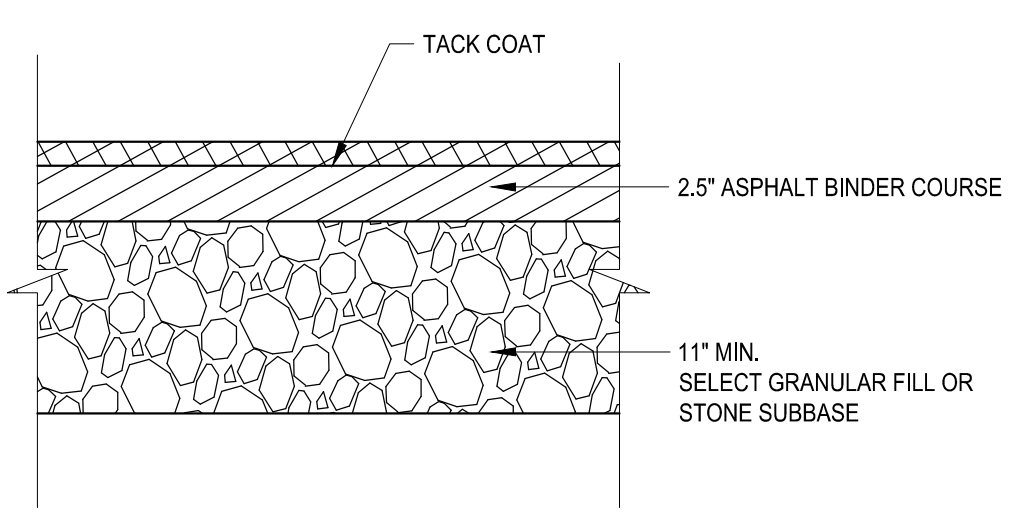
PIPE DIAMETER "D"	MAX "A"
2" TO 15"	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
18" & LARGER	15"

NOTE: MAXIMUM TRENCH WIDTH "W" TAKEN AT 2' ABOVE CROWN OF PIPE

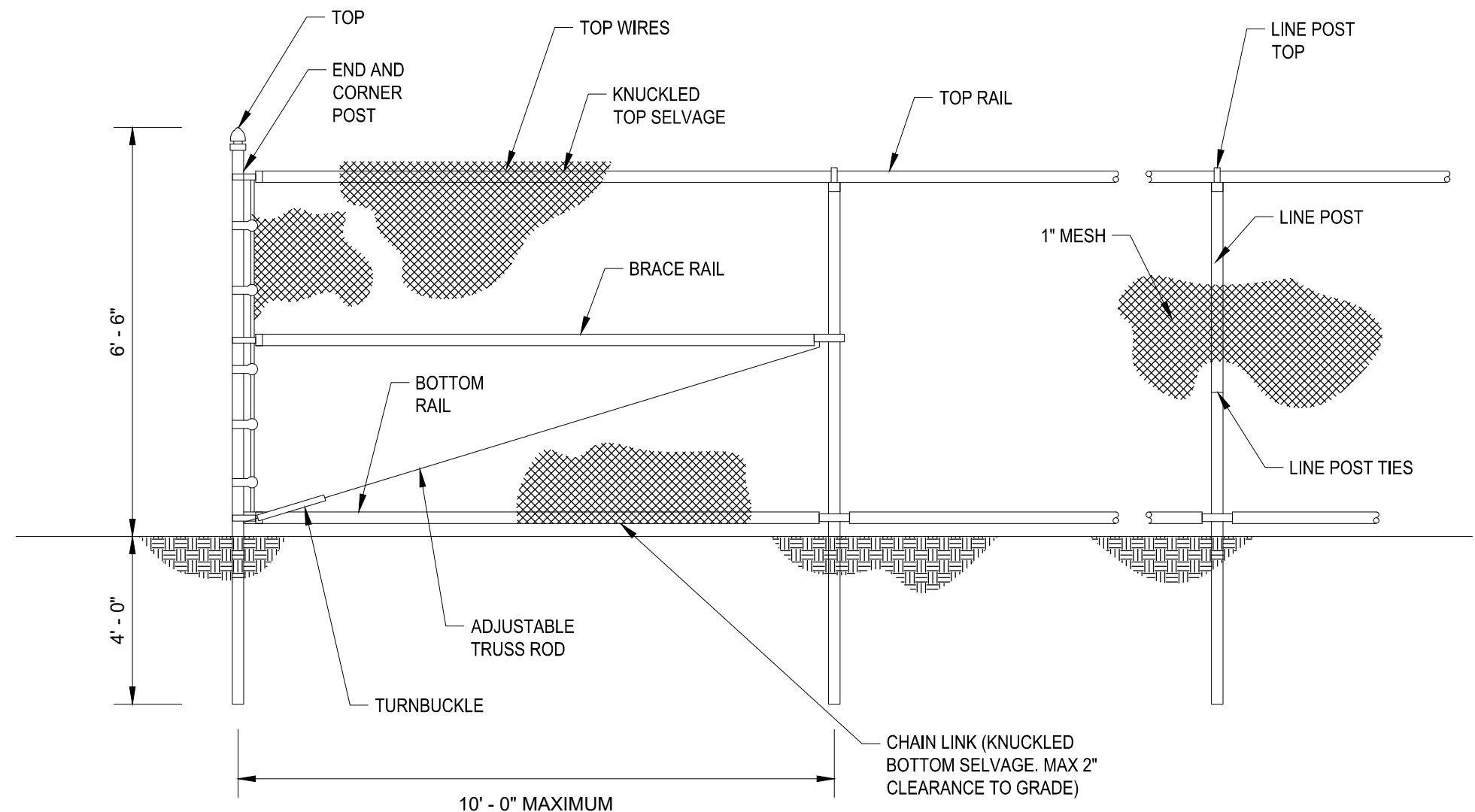
A TRENCH DETAIL
- NOT TO SCALE



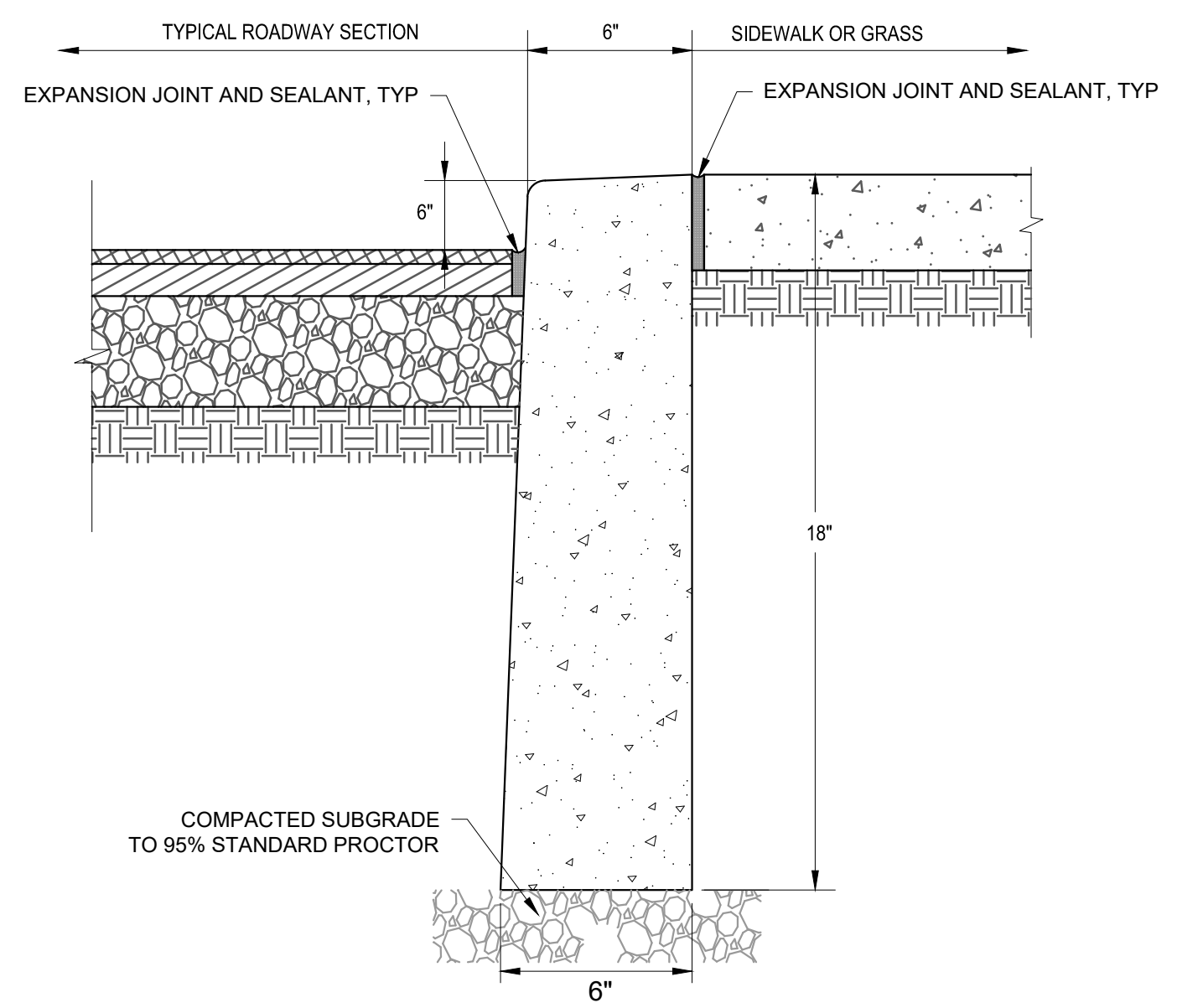
B ASPHALT PAVEMENT SECTION
- NOT TO SCALE



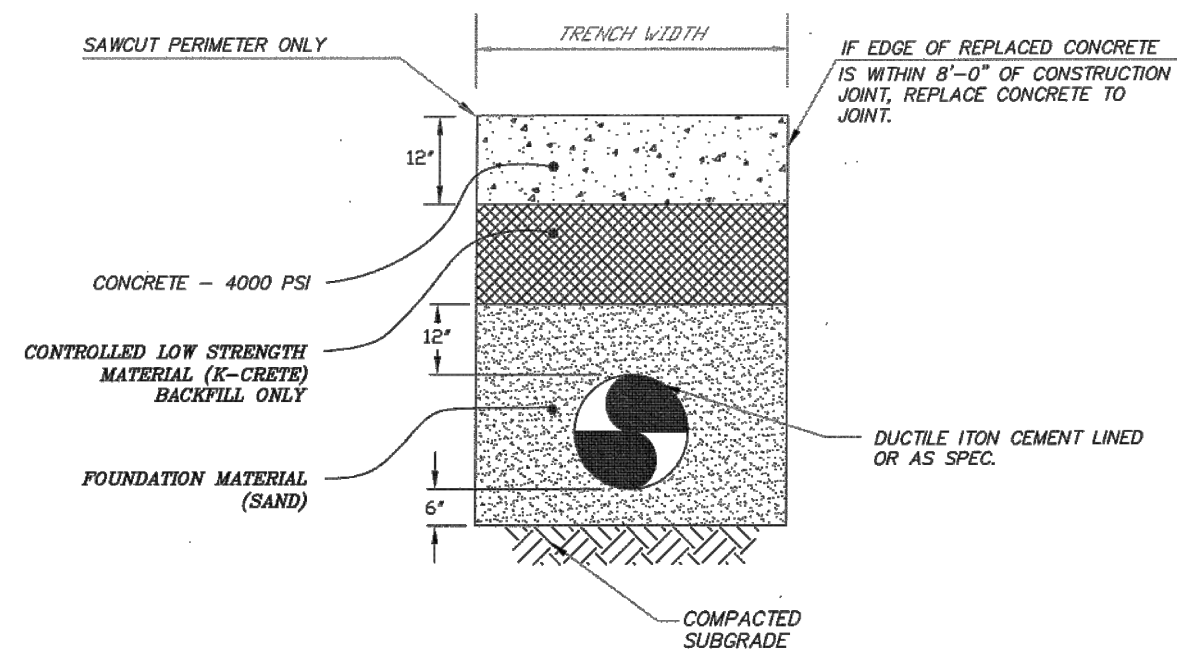
C ASPHALT PAVEMENT SECTION FOR TRENCH
- NOT TO SCALE



D CONSTRUCTION / SECURITY FENCE
- NOT TO SCALE

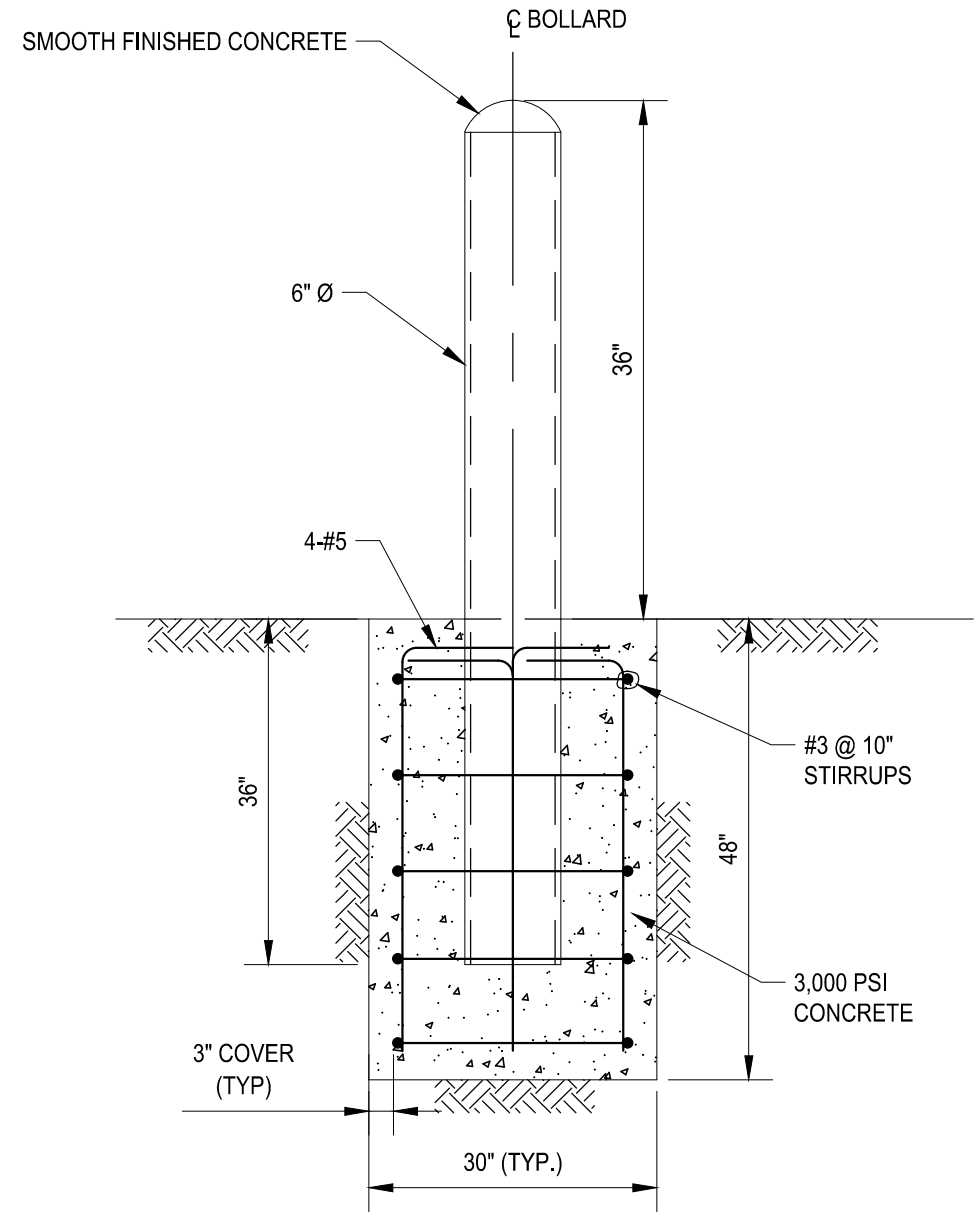


E CONCRETE CURB
- NOT TO SCALE

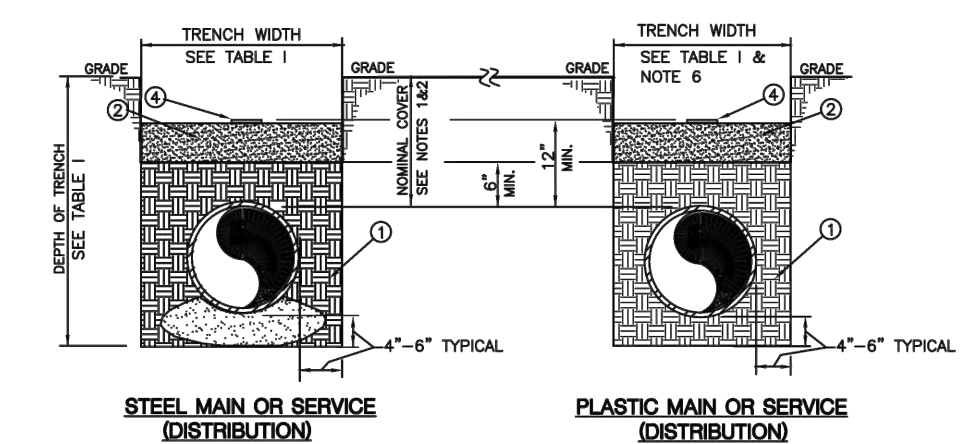


1. TEMPORARY PAVEMENT REPLACEMENT WILL BE ALLOWED ONLY WHEN ASPHALT PLANTS ARE NOT IN OPERATION. WHEN TEMP. PAVEMENT IS USED, CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND UPKEEP OF SAID PATCH UNTIL PERMANENT PATCH IS INSTALLED.
2. UPON THE AVAILABILITY OF ASPHALT, THE CONTRACTOR SHALL EXCAVATE THE "K-CRETE" BACKFILL TO THE ORDERED DEPTH AND REPLACE WITH 4000 PSI CONCRETE AND THE REQUIRED 2" THICK ASPHALT TO THE LIMITS AND SPECIFICATIONS AS SHOWN.
3. STEEL PLATES OF ADEQUATE SIZE SHALL BE PLACED OVER ALL TRENCHES UNTIL THE 4000 PSI CONCRETE PLUG IS DESIGNED PASSABLE.
4. STEEL PLATES SHALL BE PINNED AS REQUIRED TO PREVENT MOVEMENT. DURING WINTER ALL STEEL PLATES SHALL BE RECESSED.

F PERMANENT CONCRETE PAVEMENT
- NOT TO SCALE



G CONCRETE BOLLARD
- NOT TO SCALE



SIZE OF MAIN SERVICE	TRENCH WIDTH (MAIN)	TRENCH DEPTH (MAIN)	TRENCH DEPTH (SERVICE)
1"	6'-10"	3'-6"	2'-6"
1 1/2"	6'-10"	3'-6"	2'-6"
2"	7'-0"	3'-6"	2'-6"
3"	7'-0"	3'-6"	2'-6"
4"	7'-0"	3'-6"	2'-6"
6"	7'-0"	3'-6"	2'-6"
8"	7'-0"	3'-6"	2'-6"
10"	7'-0"	3'-6"	2'-6"
12"	7'-0"	3'-6"	2'-6"
16"	7'-0"	3'-6"	2'-6"
20"	7'-0"	3'-6"	2'-6"
24"	7'-0"	3'-6"	2'-6"
30"	7'-0"	3'-6"	2'-6"
36"	7'-0"	3'-6"	2'-6"

ITEM NO.	DESCRIPTION	SPEC. OR DIV. NO.	CLASS & STOCK NO.
1	2" SAND CLEARLY RECYCLED BACKFILL	EQ-898	
2	3" SAND CLEARLY RECYCLED BACKFILL	EQ-898	
3	4" SAND CLEARLY RECYCLED BACKFILL	EQ-898	
4	WARRANTY BURIED TUBING	ASTM C133	008-0075
5	WARRANTY BURIED TUBING	ASTM C133	008-0075
6	STEEL PROTECTIVE COVER	EQ-4789-C	

- NOTES:
1. DISTRIBUTION MAINS SHOULD BE INSTALLED WITH A MINIMUM 3'-0" COVER SO AS TO ALLOW A MINIMUM COVER OF 2'-0" ON THE SERVICE PIPING.
 2. FOR DISTRIBUTION MAINS OR SERVICES, STEEL PROTECTIVE PLATES ARE REQUIRED WHEN THE COVER IS LESS THAN 2'-0". (SEE SPECS. G-800, G-810, AND DWG. EQ-878-C)
 3. FOR TRANSMISSION MAINS, STEEL PROTECTIVE PLATES ARE REQUIRED FOR ALL NEW INSTALLATIONS REGARDLESS OF COVER AND IF FEASIBLE, WHENEVER AN EXISTING TRANSMISSION MAIN IS EXPOSED. (SEE SPECS. G-801, G-1183, AND DWG. EQ-878-C)
 4. ENSURE PROPER CLEARANCES ARE MAINTAINED BETWEEN GAS FACILITIES AND OTHER FACILITIES OR STRUCTURES. (SEE CI-920-1 AND DWG. EQ-5570-C)
 5. WHEN SHEETING IS USED, THE "TRENCH WIDTH" DIMENSION IN TABLE 1 SHALL BE MEASURED FROM THE INSIDE OF THE SHEETING.
 6. WHEN INSTALLING COILED PLASTIC PIPE, THE TRENCH WIDTH MAY BE LESS THAN SHOWN ON TABLE 1.
 7. FOR STEEL MAINS AND SERVICES, INSTALL SANDBAGS AT 10' INTERVALS.
 8. ALL REPLACEMENT DIRECT BURIED COPPER TUBING AND PLASTIC TUBING SERVICES IN 1" OR 1 1/2" CTS SIZES SHALL HAVE A PROTECTIVE SLEEVE INSTALLED. (SEE G-810)
 9. SEE G-8200 FOR MINIMUM SIZES OF NEW DIRECT BURIED PLASTIC, STEEL, AND COPPER SERVICES OF VARIOUS PRESSURES.

H TRENCH EXCAVATION FOR GAS MAINS & SERVICE UP TO 360 PSIG
- NOT TO SCALE

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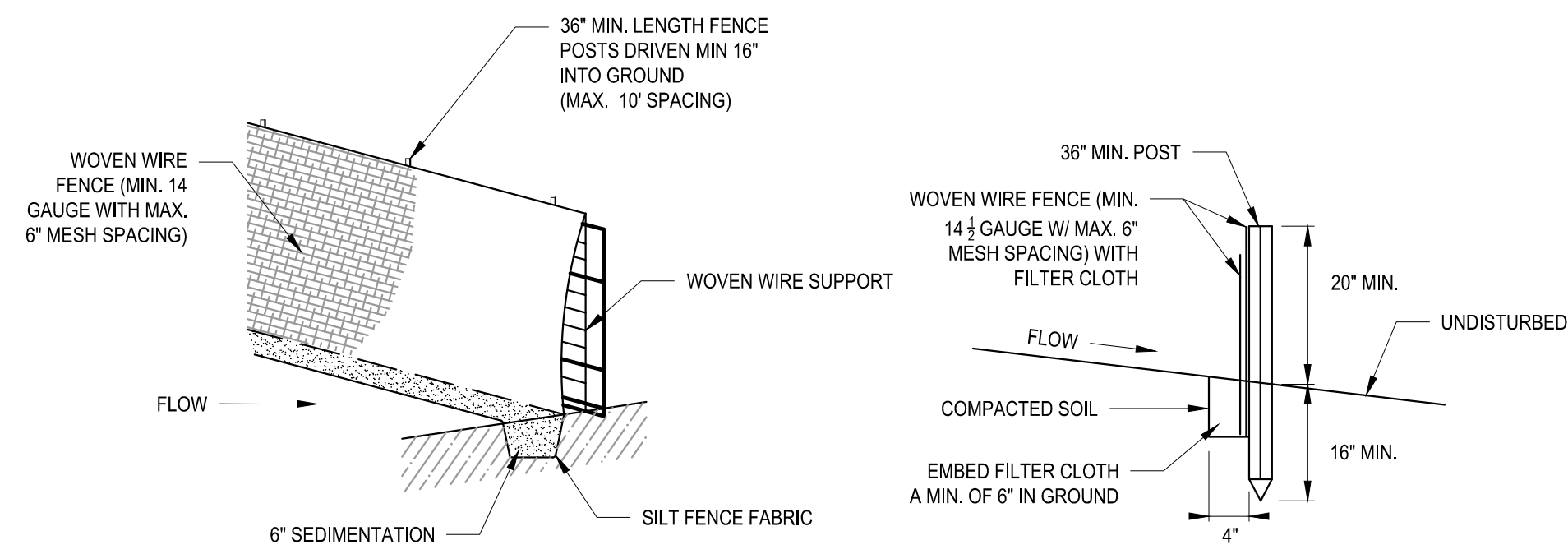
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK

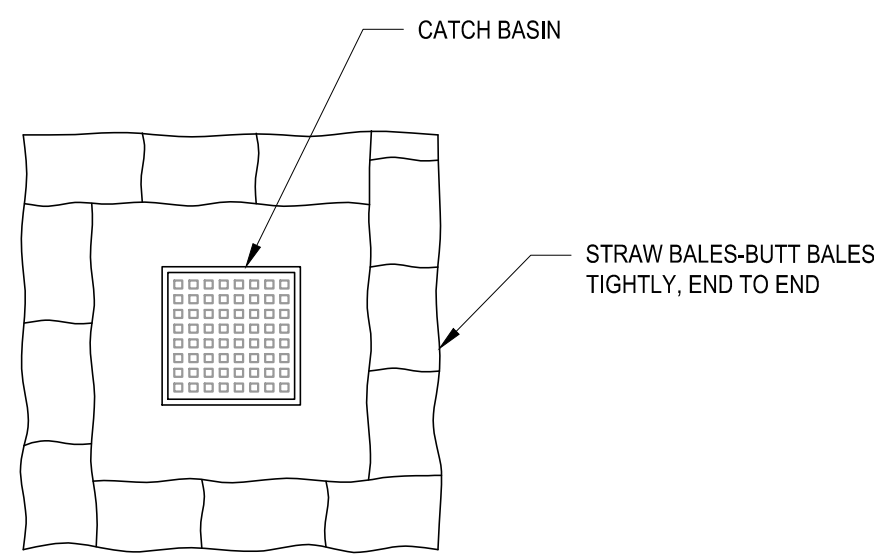
DATE: JANUARY 2023
SCALE: N.T.S.
SHEET NO. 19 OF No. 80
DRAWING NO. C1-114



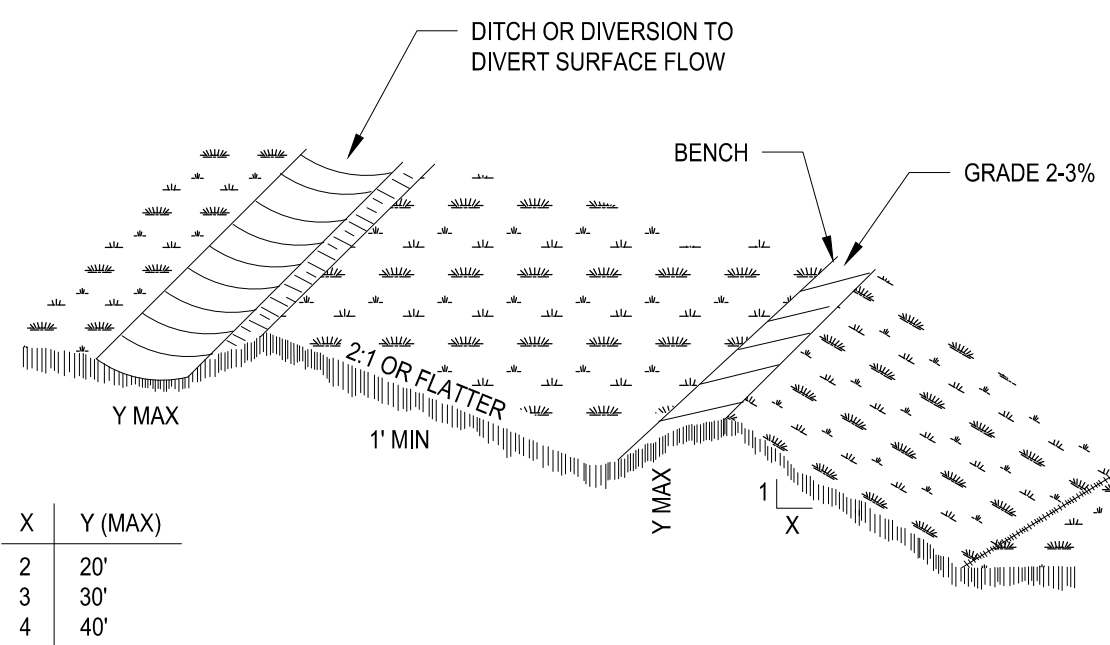
GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT
2. THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH SHALL BE A MINIMUM OF 6" DEEP AND 3" - 4" WIDE TO ALLOW FOR THE SILT FENCE TO BE LAID IN THE GROUND AND BACKFILLED.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST AND TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.
5. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED, AS ORDERED BY THE CONSTRUCTION MANAGER.
6. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. SEDIMENT TRAPPED BY THIS PRACTICE SHALL BE LEGALLY DISPOSED OF IN AN APPROVED SITE IN A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6" AND LEGALLY DISPOSED OF IN AN APPROVED SOIL SITE OR AS IN NOTE 7 ABOVE.

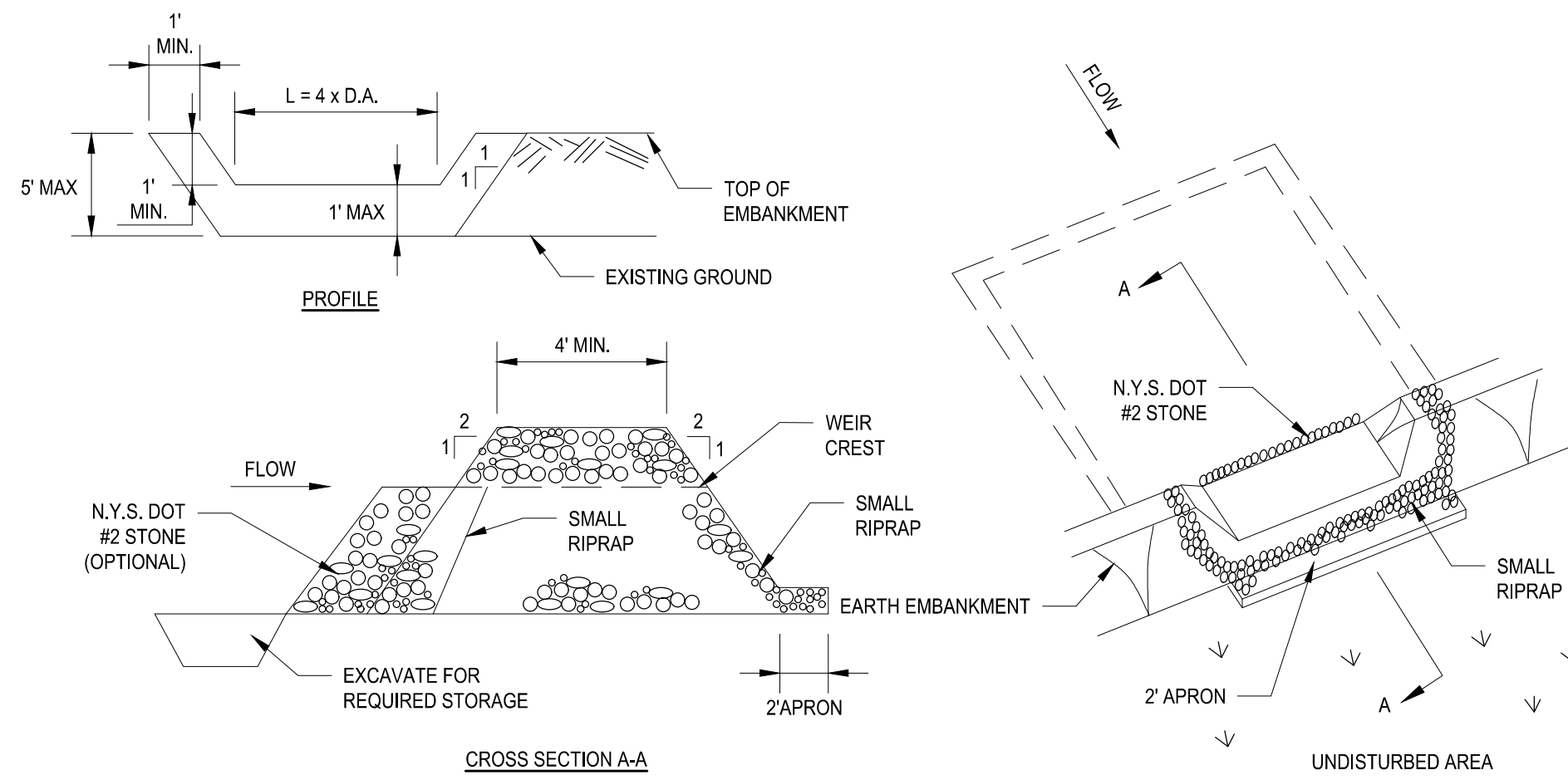
A SILT FENCE
- NOT TO SCALE



D INLET PROTECTION
- NOT TO SCALE



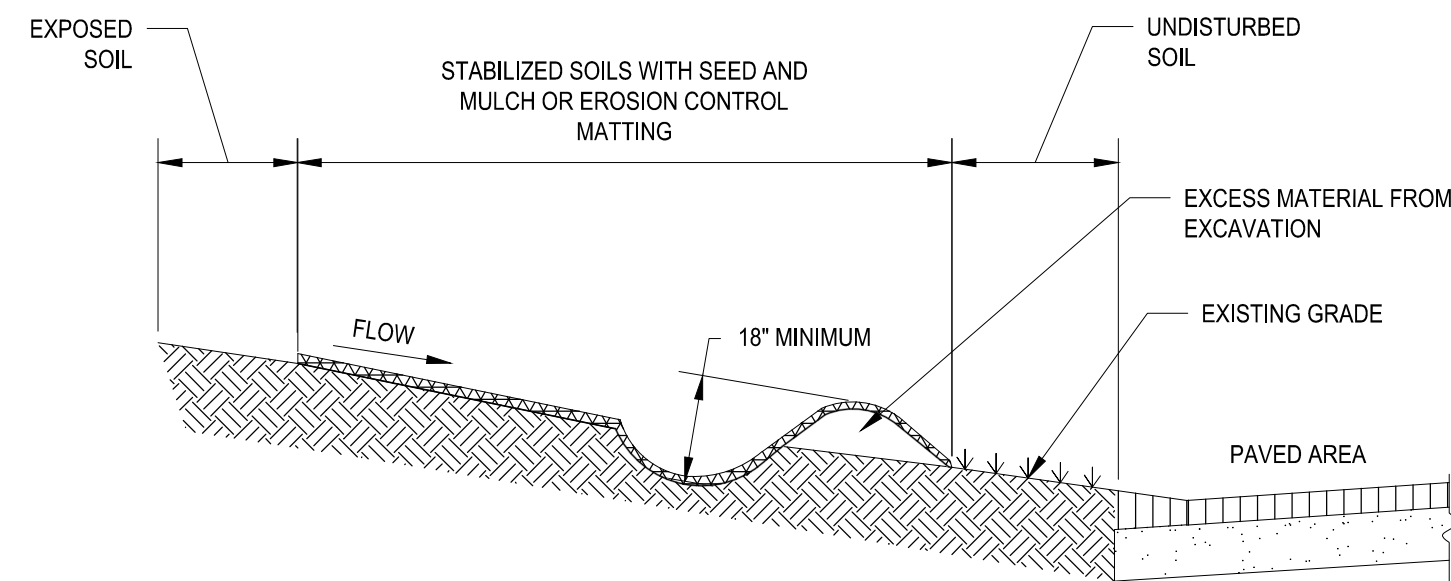
E LANDGRADING
- NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. MAXIMUM DRAINAGE AREA 5 ACRES

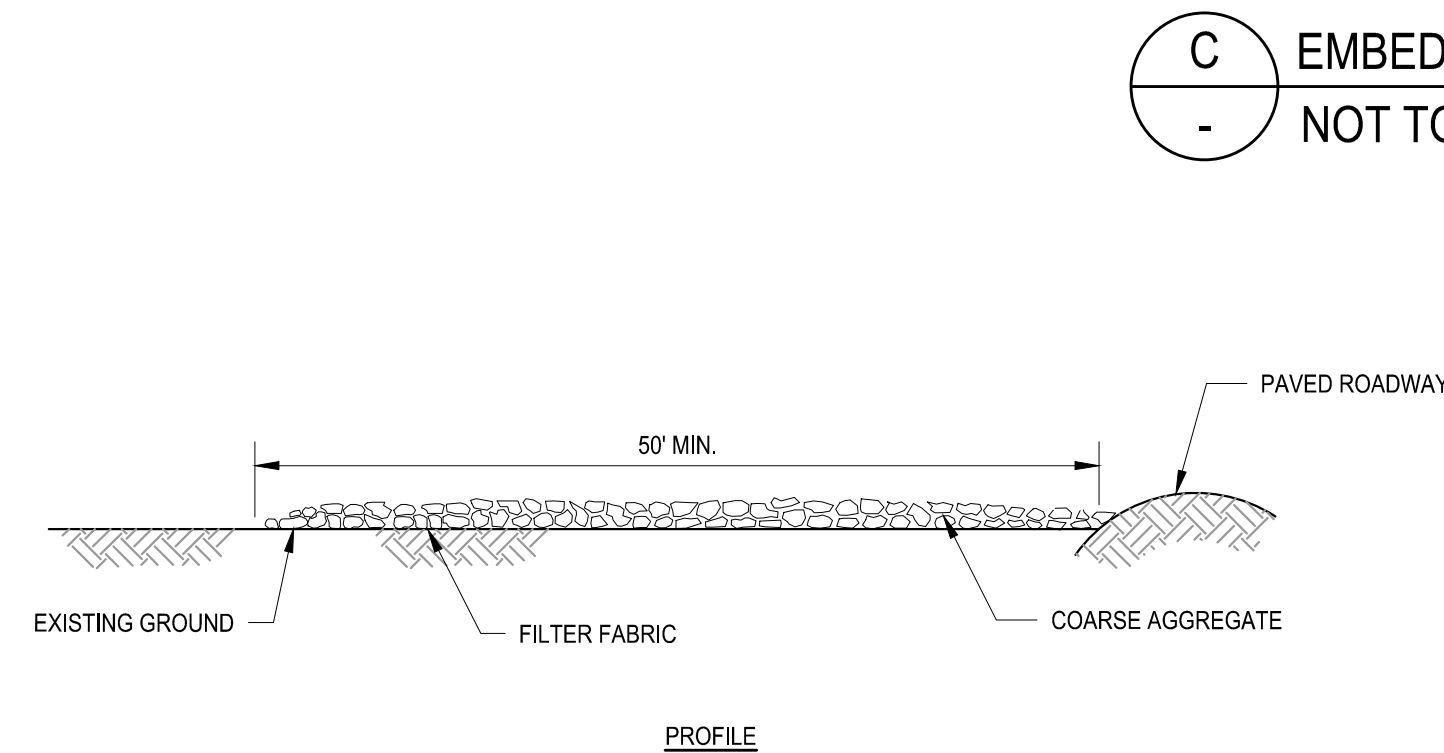
B STONE OUTLET SEDIMENT TRAP
- NOT TO SCALE



CONSTRUCTION NOTES

1. ALL EARTH FILL SHALL BE PLACED ON A STRIPPED FOUNDATION, CONTAIN NO STUMPS OR WOODY MATERIAL, AND BE COMPACTED WITH THE WEIGHT OF THE EXCAVATOR BUCKET.
2. THE SYSTEM SHALL BE USED WITH A MINIMUM 5 FOOT VEGETATED BUFFER ON THE DOWN SLOPE TOE OF THE DIKE OR AN ARTIFICIAL BUFFER OF EROSION CONTROL MATTING.
3. THE ENDS OF THE DIKE SYSTEM SHALL TERMINATE WITH A 90 DEGREE RETURN OF NYS DOT #1A CRUSHED STONE TO FILTER ANY EXCESS FLOW.
4. THE EARTHEN DIKE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION USING AN ANNUAL RYE GRASS MIXTURE AT A RATE OF 1 LB. PER 1,000 SQUARE FEET.

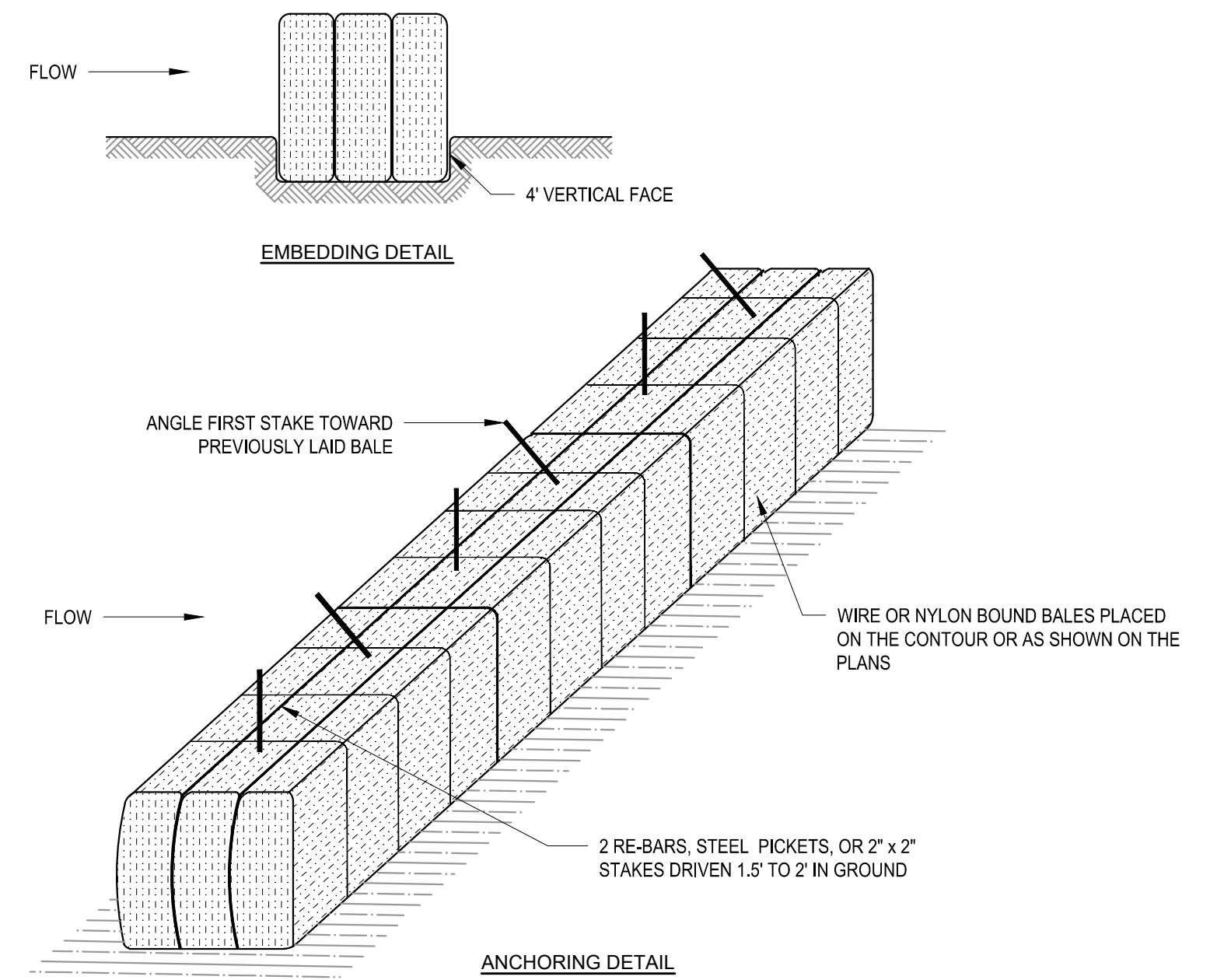
F SEDIMENT DIKE
- NOT TO SCALE



GENERAL NOTES

1. THE STONE SIZE WILL CONSIST OF COARSE AGGREGATE IN ACCORDANCE WITH THE SPECIFICATIONS. THE MATERIAL SHALL BE PLACED WITH A THICKNESS NOT LESS THAN 8", WILL NOT BE LESS THAN THE WIDTH OF THE INGRESS, AND NOT LESS THAN 60" IN LENGTH.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED BY THE CONTRACTOR IMMEDIATELY.

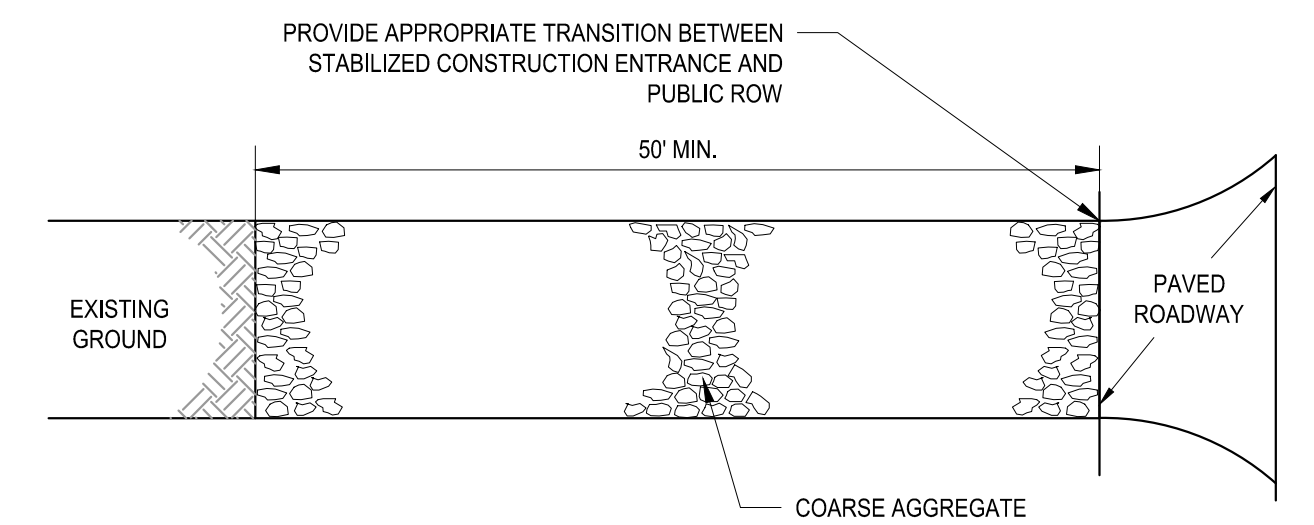
G STABILIZED CONSTRUCTION ENTRANCE
- NOT TO SCALE



GENERAL NOTES

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
6. ACCUMULATED SILT SHALL BE REMOVED AND LEGALLY DISPOSED OF WHEN IT REACHES A DEPTH OF 6 INCHES.
7. CONTRACTOR SHALL REPLACE HAY BALE AND DIKE EVERY THREE (3) MONTHS.

C EMBEDDING DETAIL
- NOT TO SCALE



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK		DATE: JANUARY 2023	
DETAILS - 2		SCALE: N.T.S	
		SHEET NO: 20 OF No. 80	
		DRAWING NO. C1-115	

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CHECKED BY: J. LAPADULA	DESIGN LEAD: R. GEDEON

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D

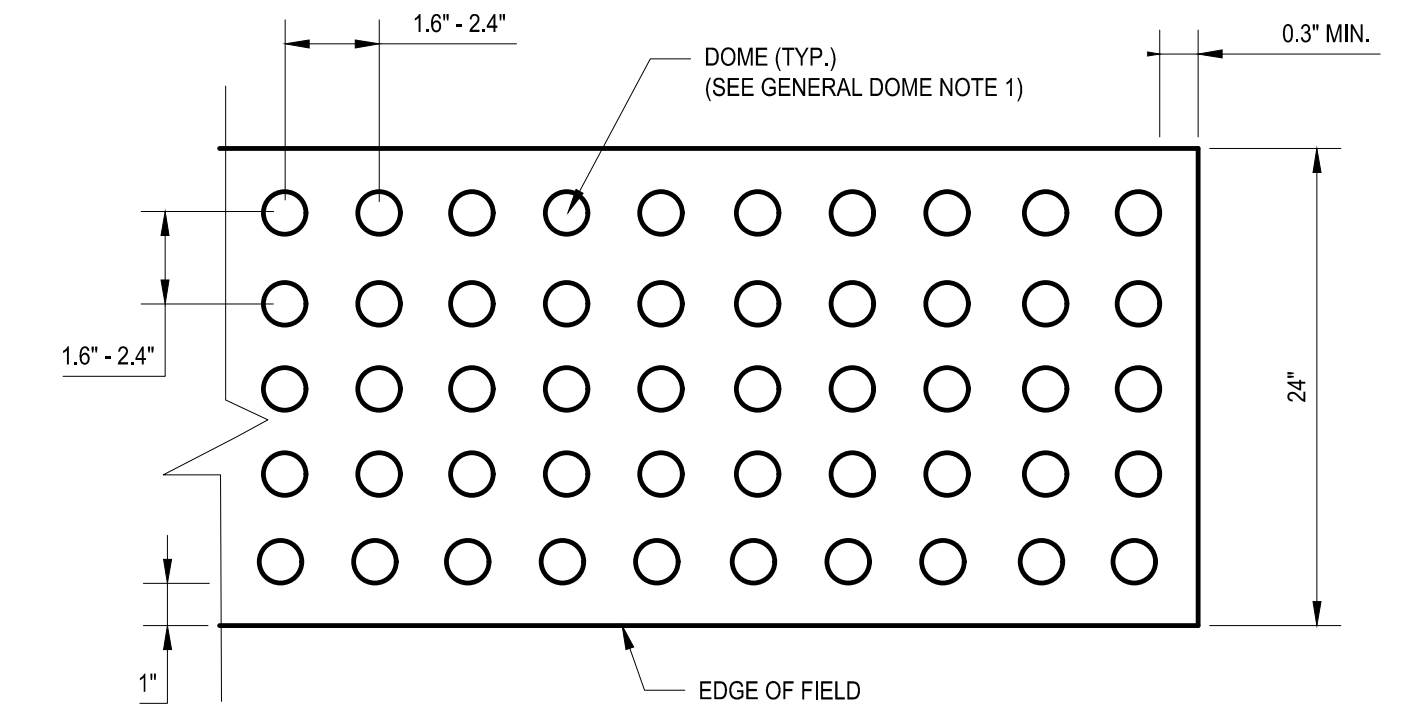
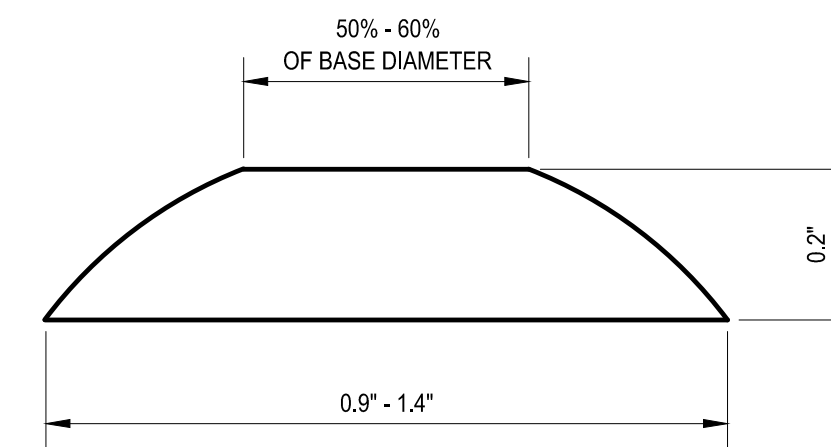
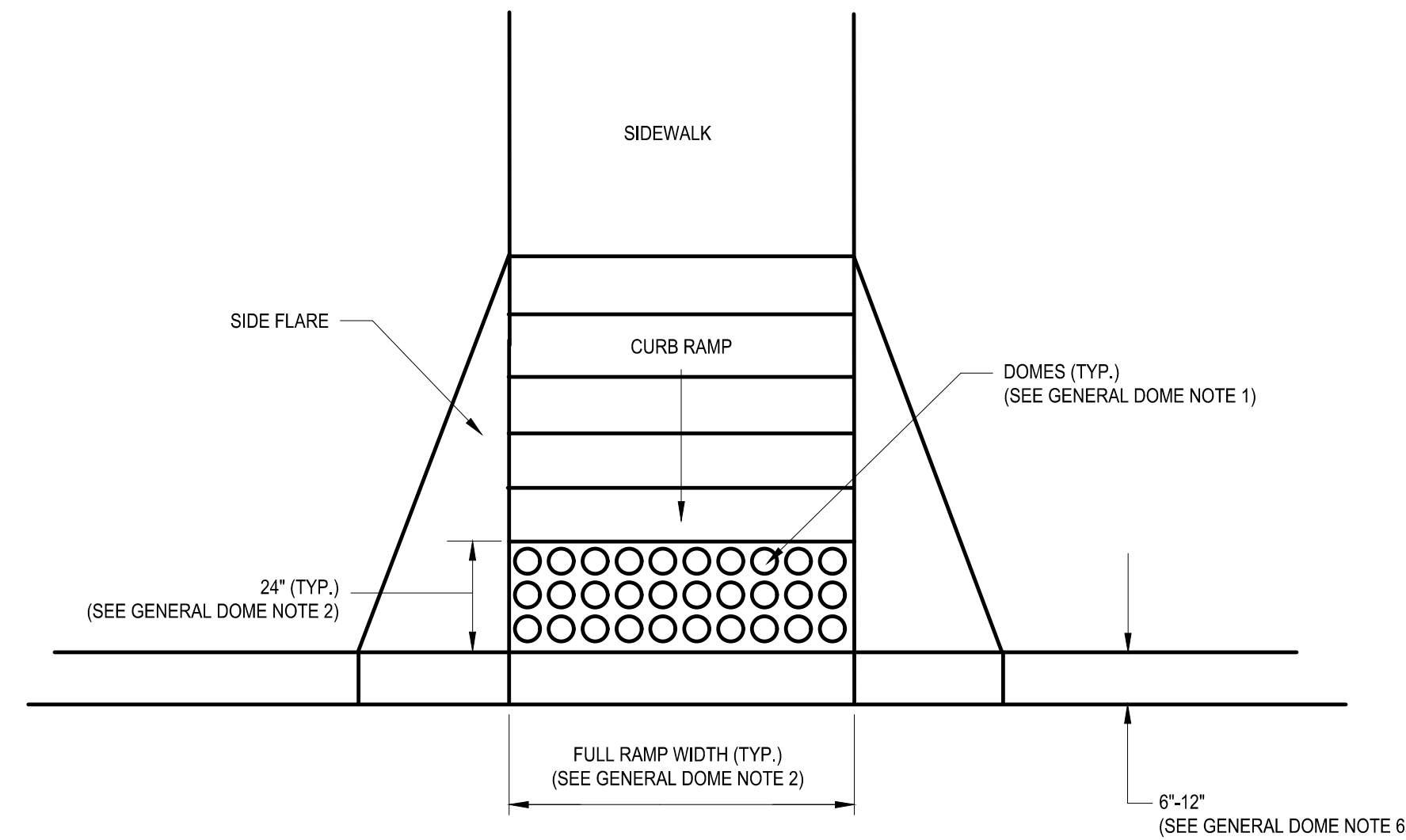
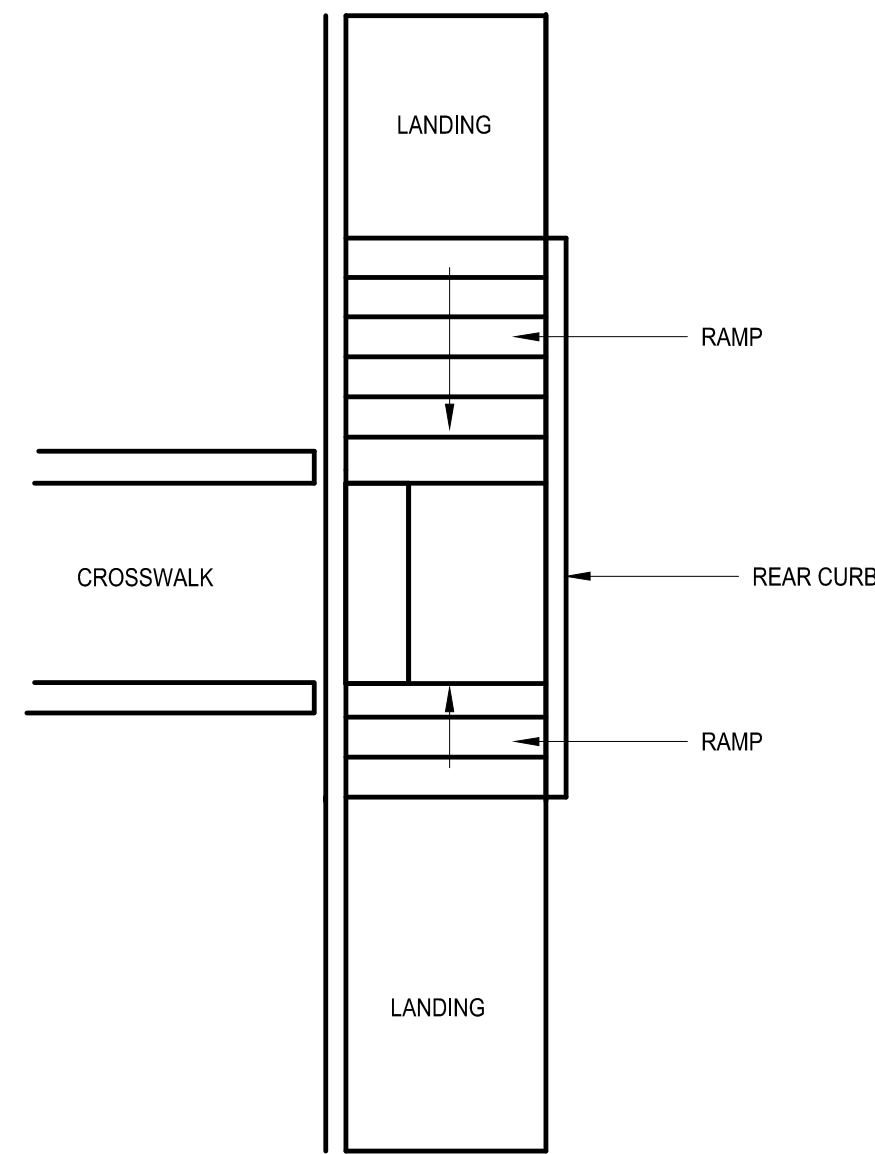
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Environmental Protection

ACCOUNTABLE MANAGER
JOSE NIEVES

PROJECT MANAGER
MARK DELBALZO, P.E.

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GENERAL NOTES

SEE NYSDOT DETAIL CURB RAMP CONFIGURATION: TYPE 9 MID BLOCK CROSSING

A CURB RAMP
- NOT TO SCALE

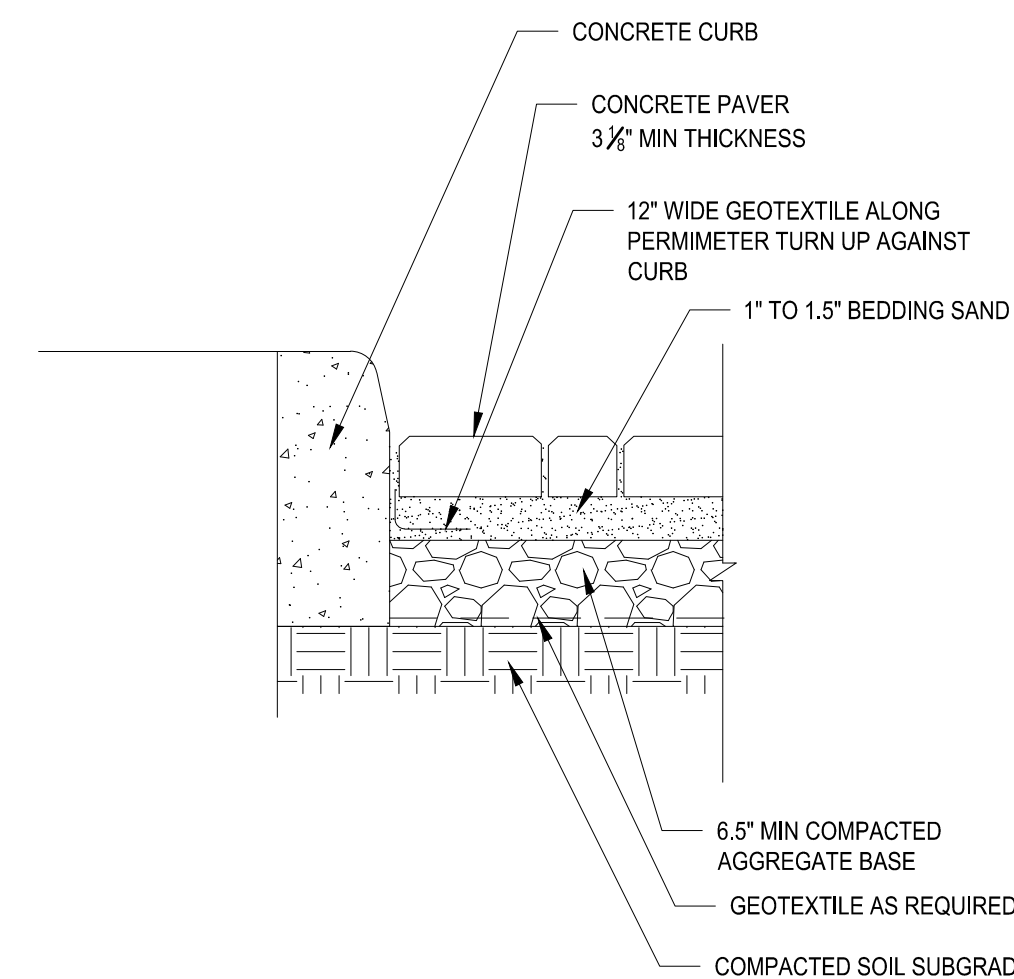
B DETECTABLE WARNING AT CURB RAMP
- NOT TO SCALE

C DOME SECTION
- NOT TO SCALE

D DOME SPACING
- NOT TO SCALE

GENERAL DOME NOTES

- THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
- THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.
- THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
- WHERE DOMES ARE ARRAYED RADially THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
- THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
- DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OR ON CURB RAMP TYPE 1 AT LEAST ONE CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 6" TO 8.9" FROM THE FRONT OF THE CURB OR THE EDGE (12" WHERE TRAVERSABLE CURB IS USED).
- THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 5.9' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.



E CONCRETE PAVER
- NOT TO SCALE

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CHECKED BY: J. LAPADULA	DESIGN LEAD: R. GEDEON

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NO.	DATE
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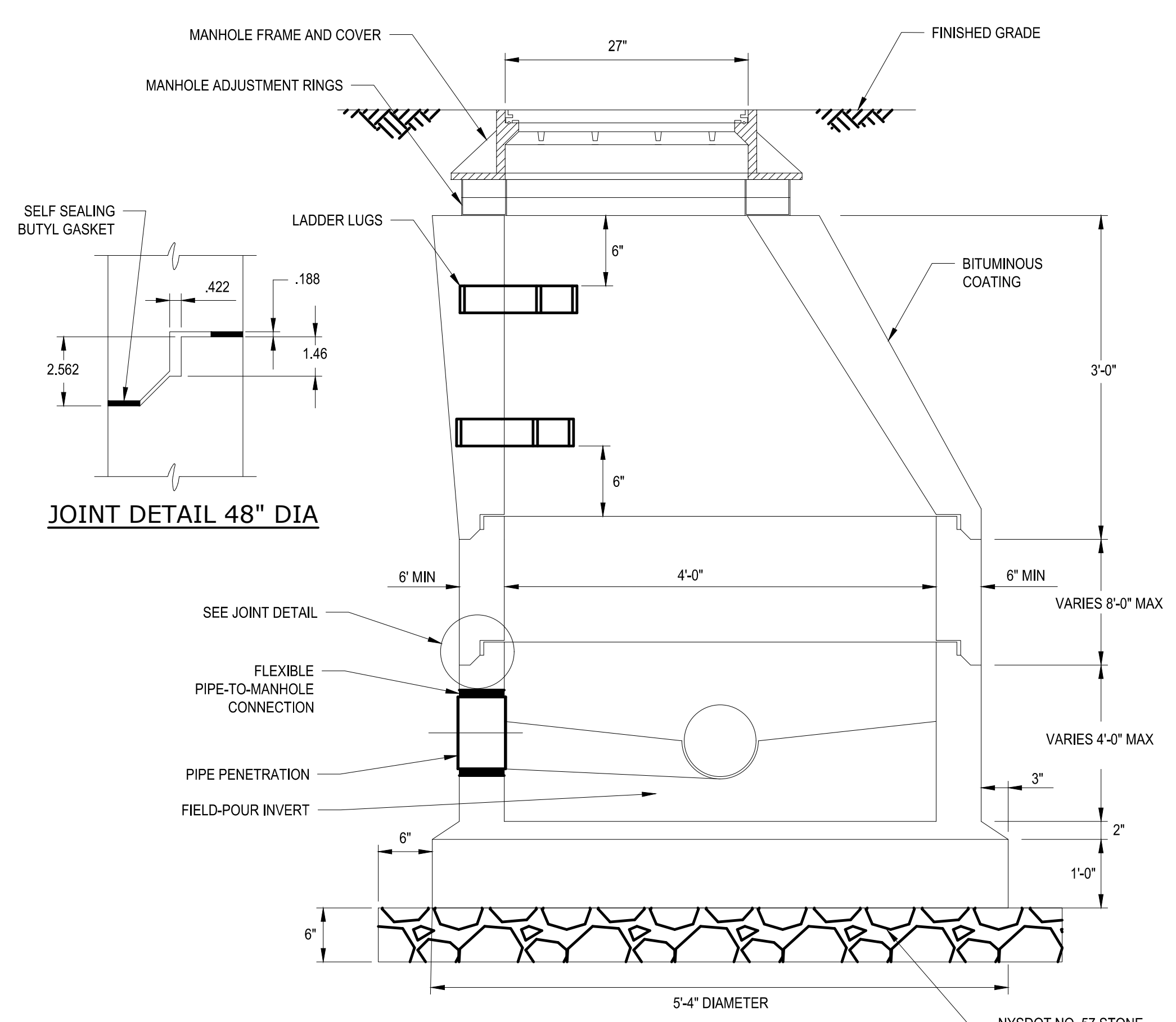
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PROJECT MANAGER MARK DELBALZO, P.E.

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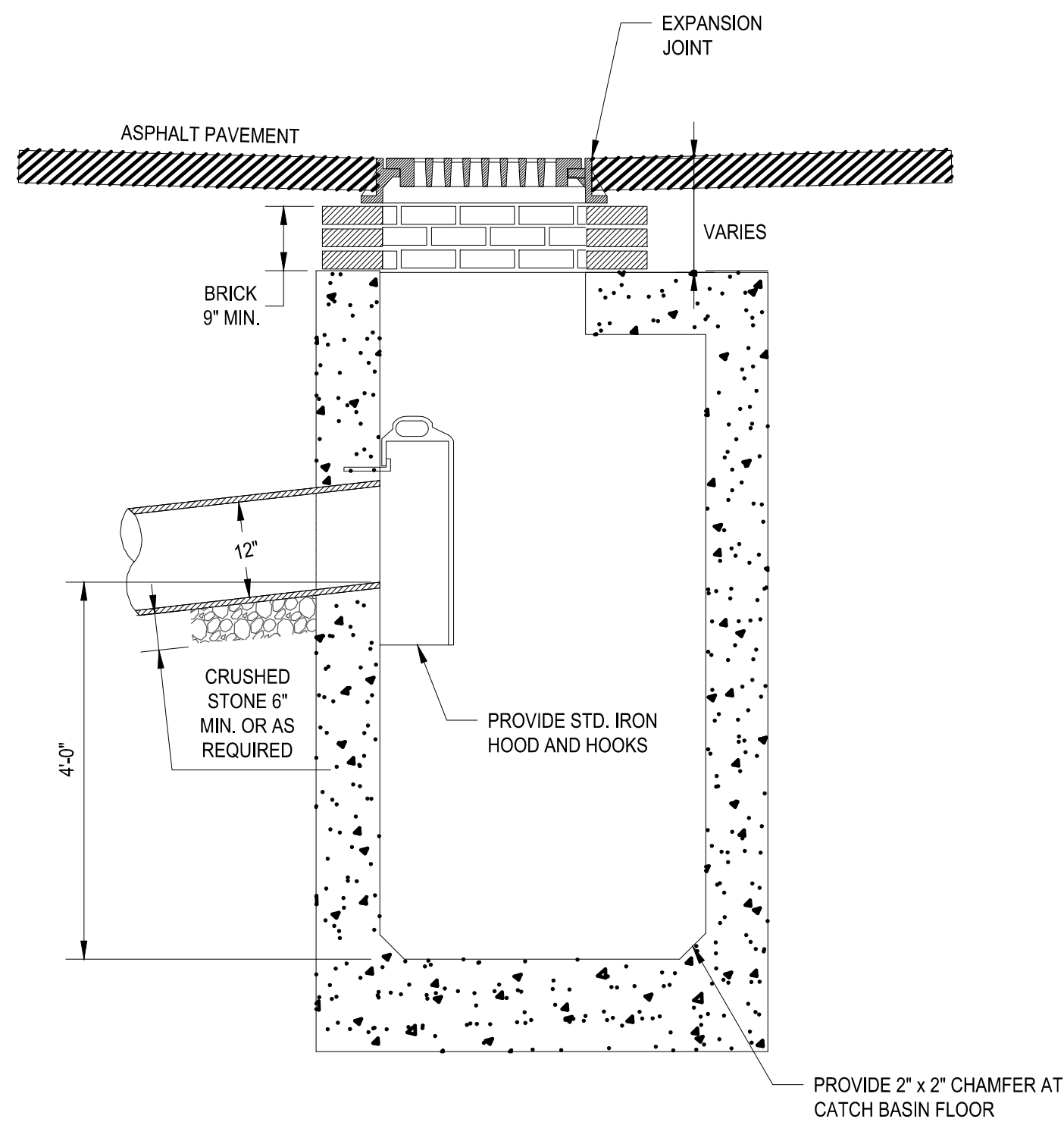
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	
DETAILS - 3	
DATE: JANUARY 2023	SCALE: N.T.S.
SHEET NO: 21 OF No. 80	DRAWING NO. C1-116

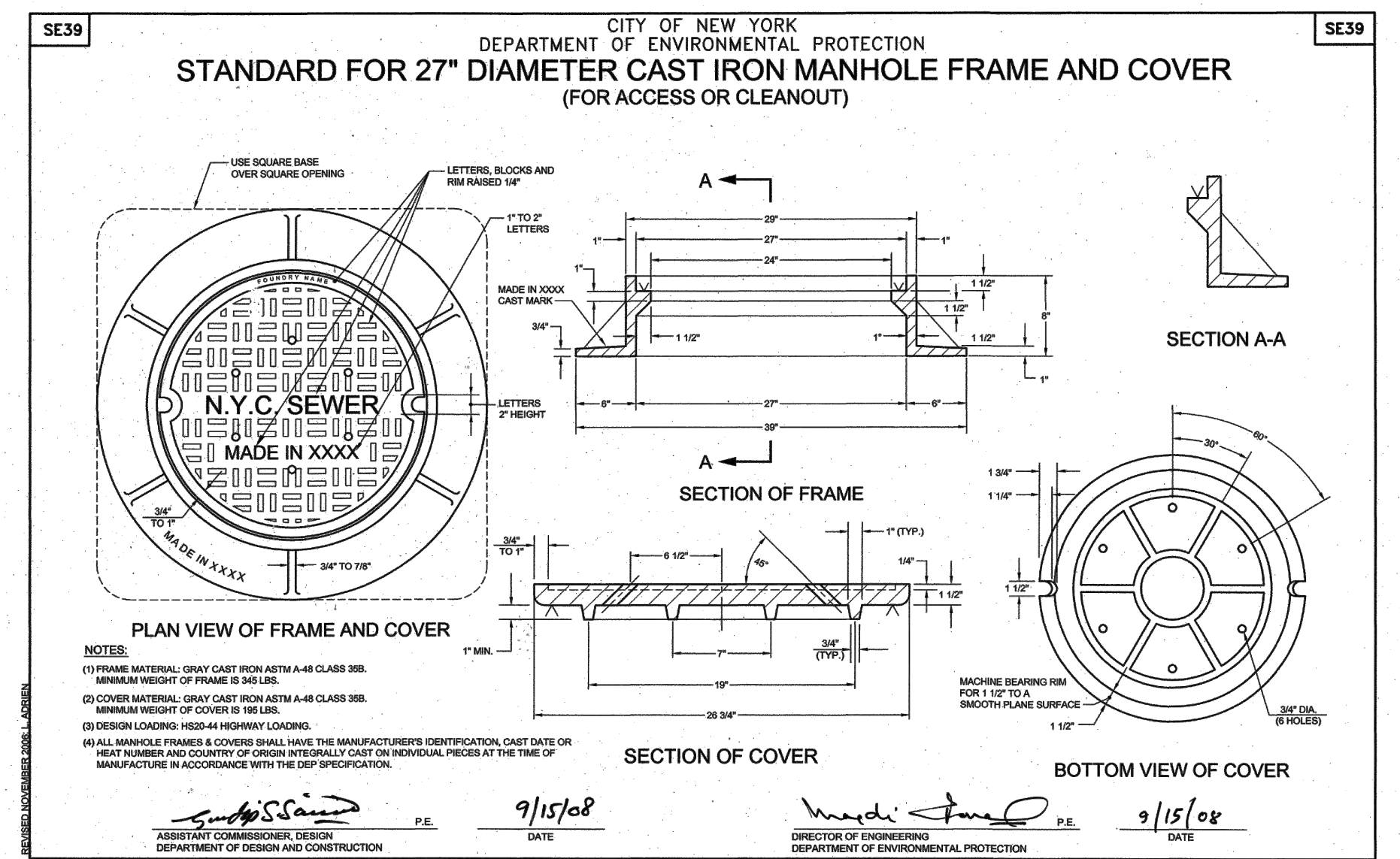


- NOTES
1. REINFORCING SHALL COMPLY WITH DEP SEWER DESIGN STANDARDS SE28A, STANDARD FOR 4'0\"/>
 - 2. RISER SECTIONS SHALL COMPLY WITH ASTM C478-12, STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
 - 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 - 4. PRECAST CONCRETE MANHOLES GREATER THAN 4'-0\"/>

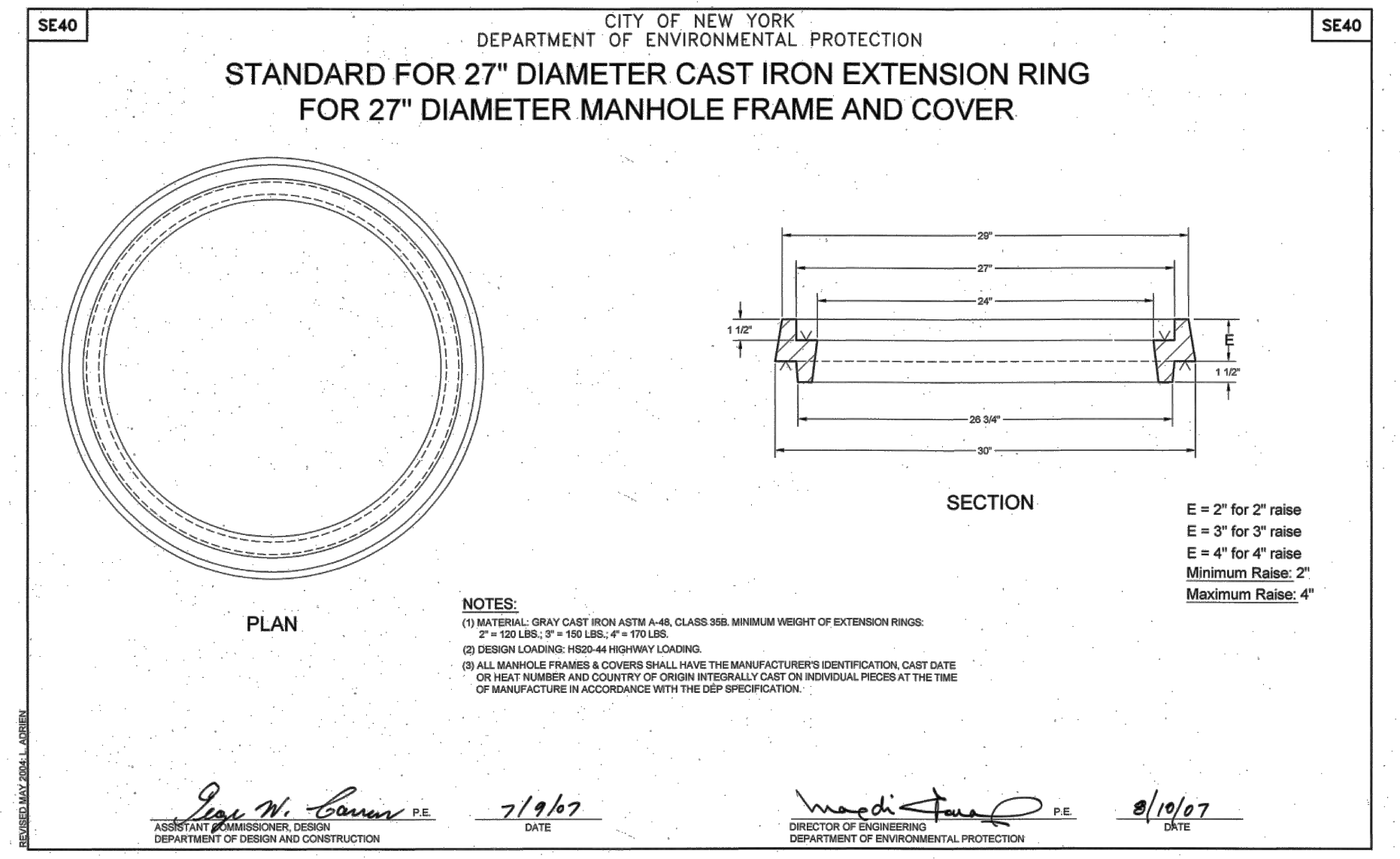
A STANDARD NYCDEP SEWER MANHOLE
NOT TO SCALE



B MODIFIED NYCDEP TYPE 2 CATCH BASIN WITHOUT CURB PIECE
NOT TO SCALE



C 27\"/> NOT TO SCALE



D 27\"/> NOT TO SCALE

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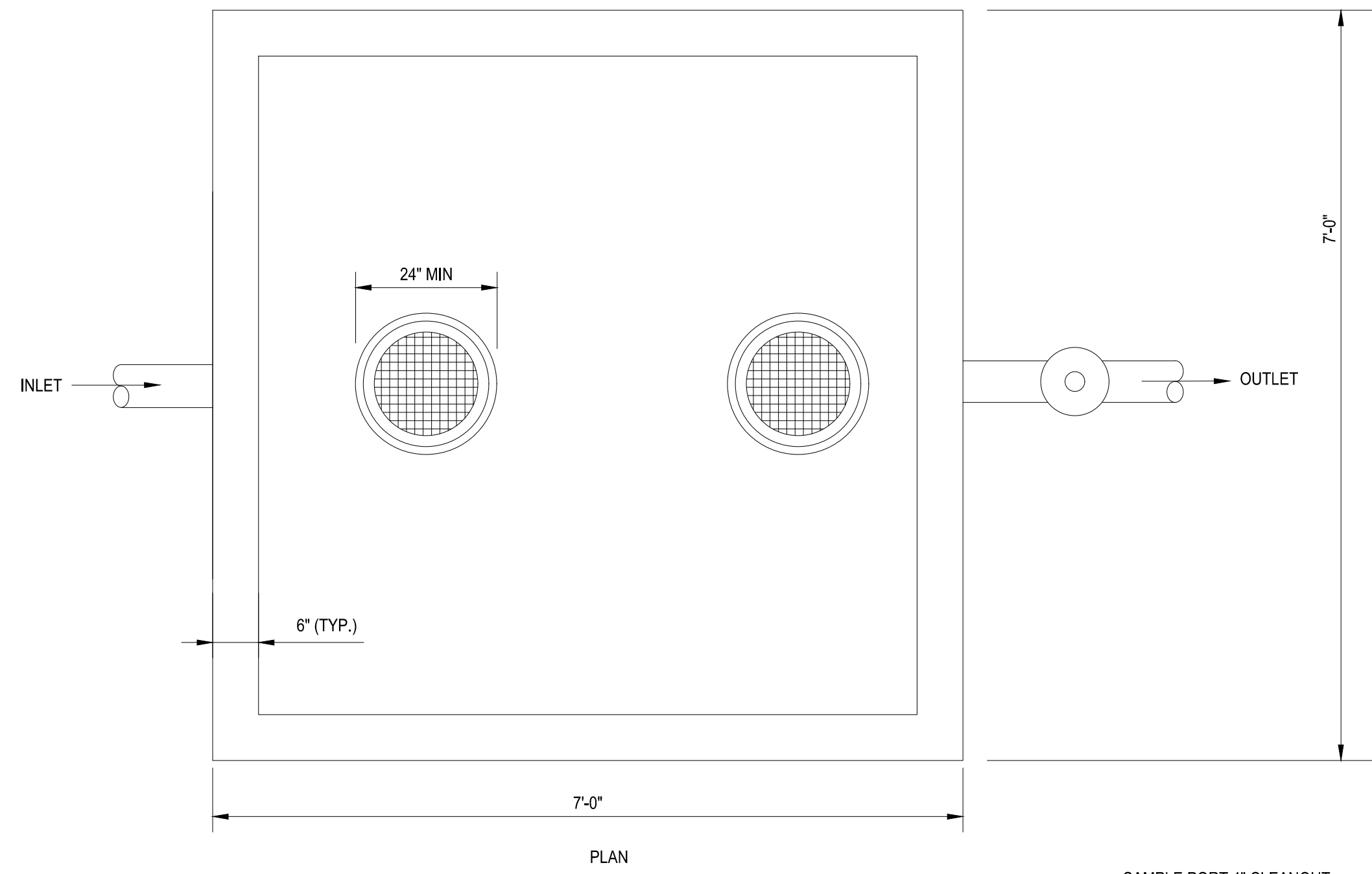
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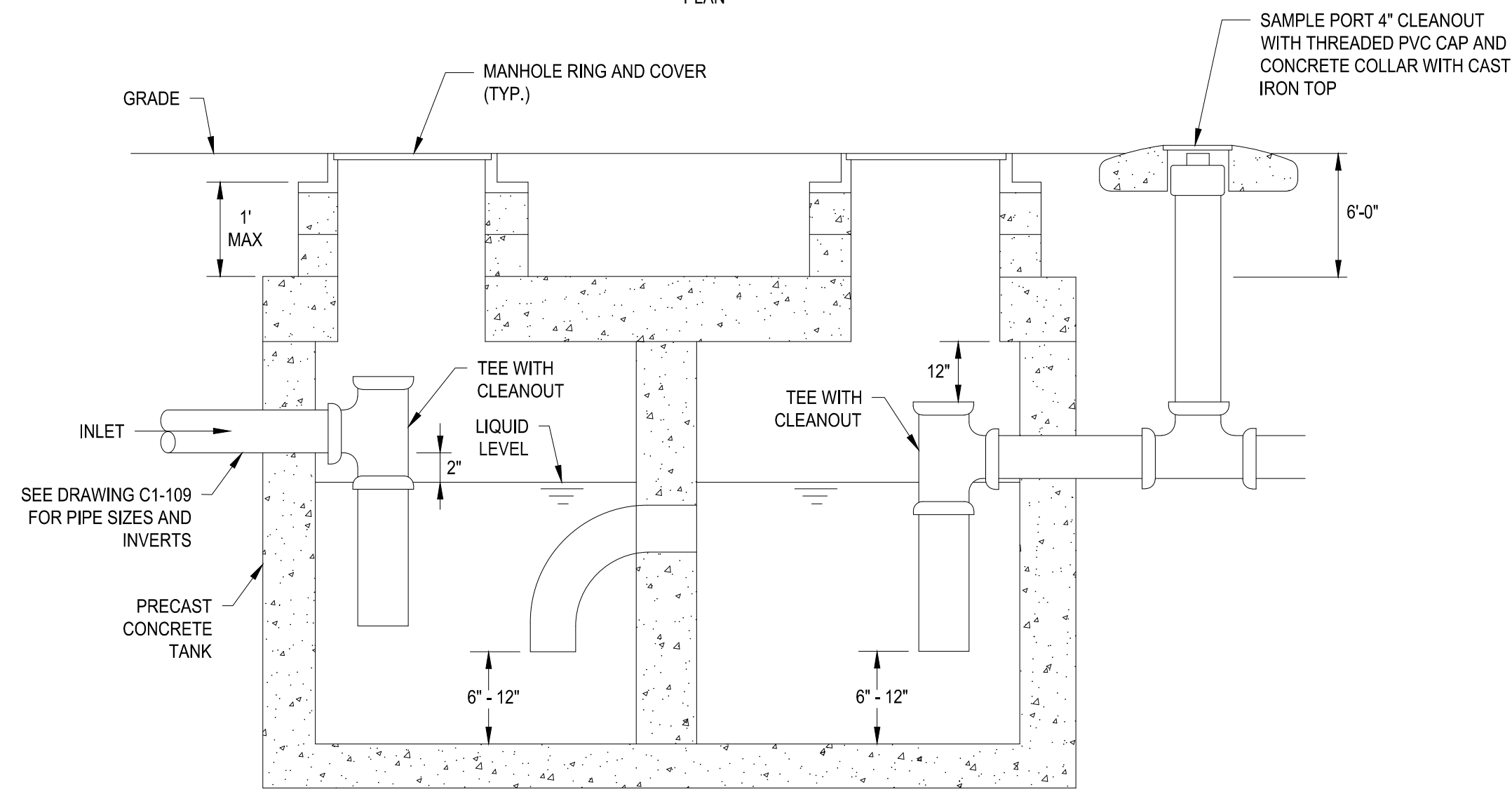
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DETAILS - 4	
DATE: JANUARY 2023	SCALE: N.T.S.
SHEET NO: 22	OF No. 80
DRAWING NO. C1-117	

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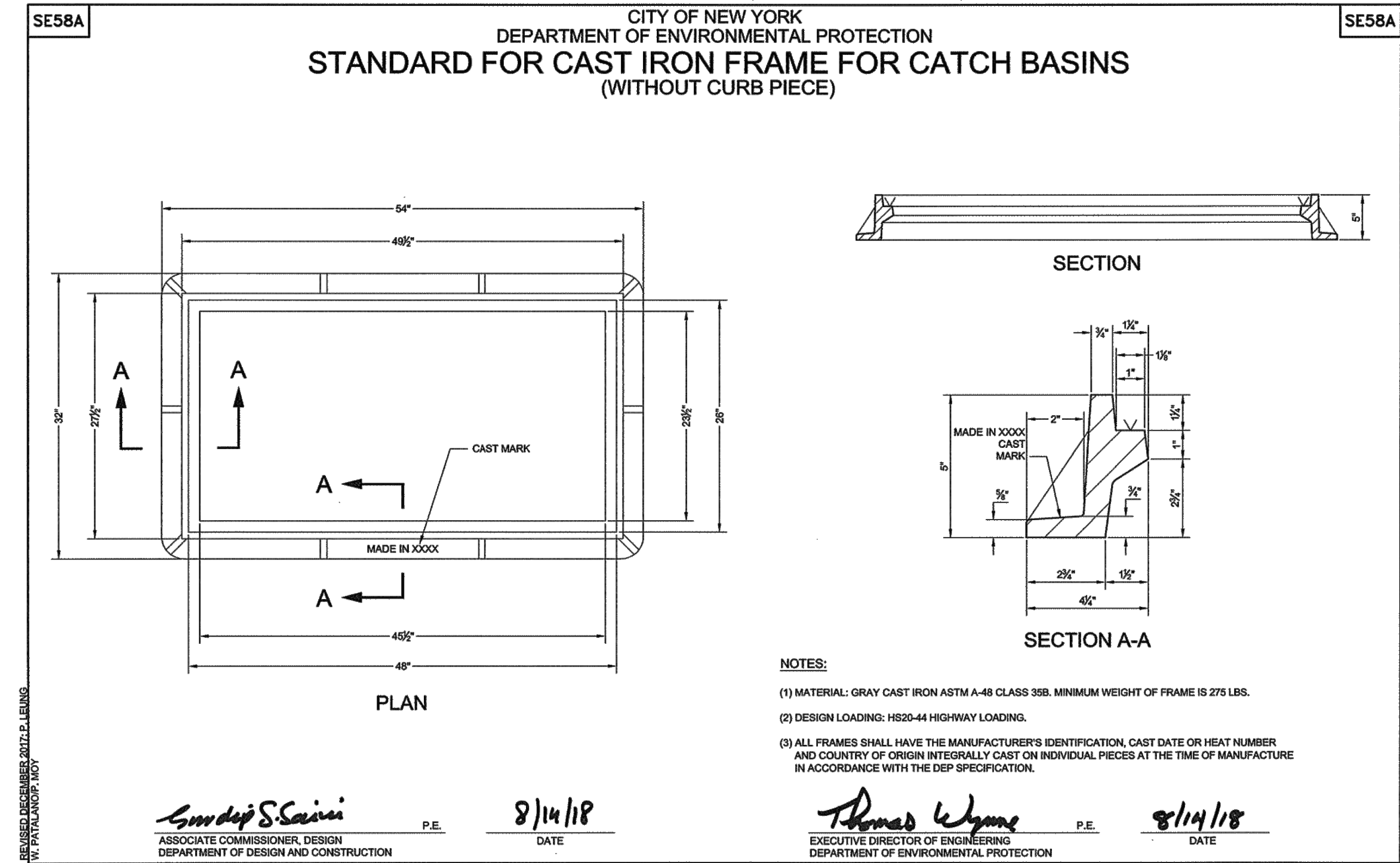


PLAN

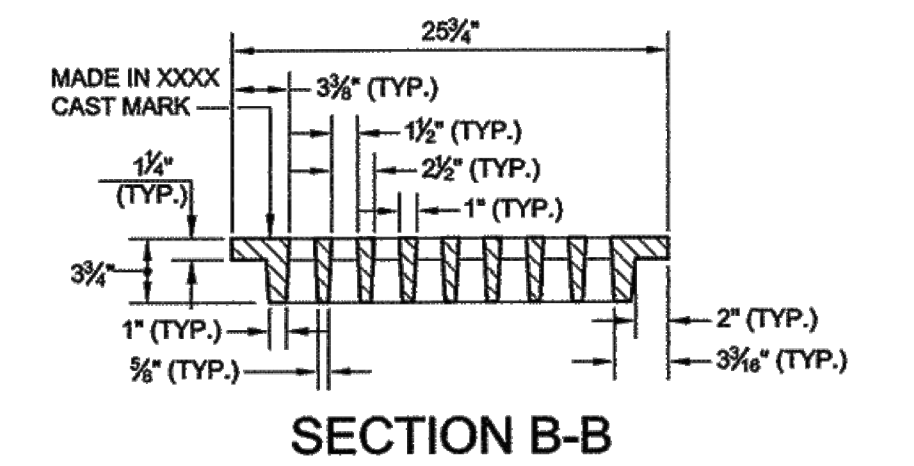
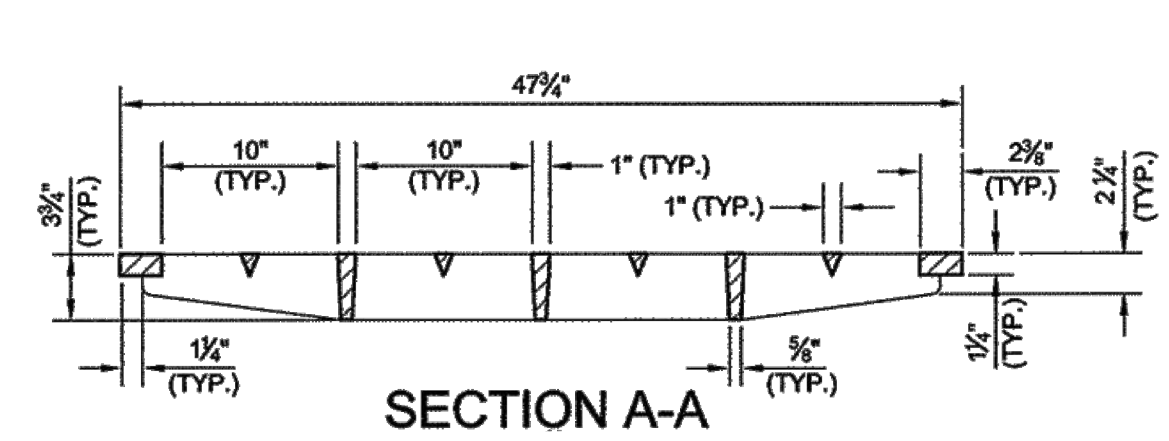
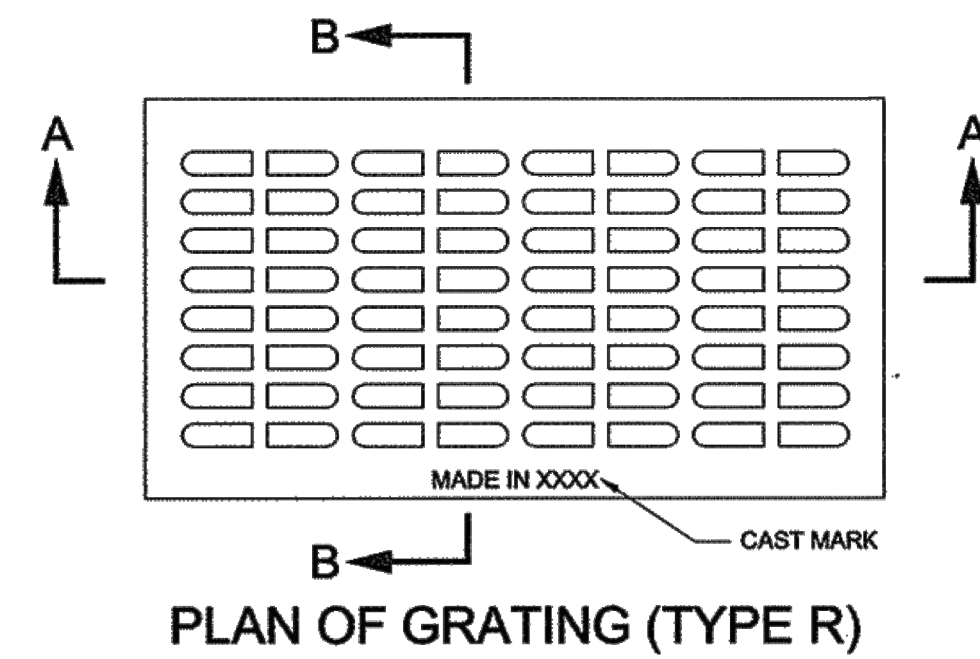


ELEVATION

A OIL AND WATER SEPARATOR
- NOT TO SCALE



B DEP STANDARD FRAME FOR CATCH BASIN
- NOT TO SCALE



C DEP STANDARD GRATE
- NOT TO SCALE

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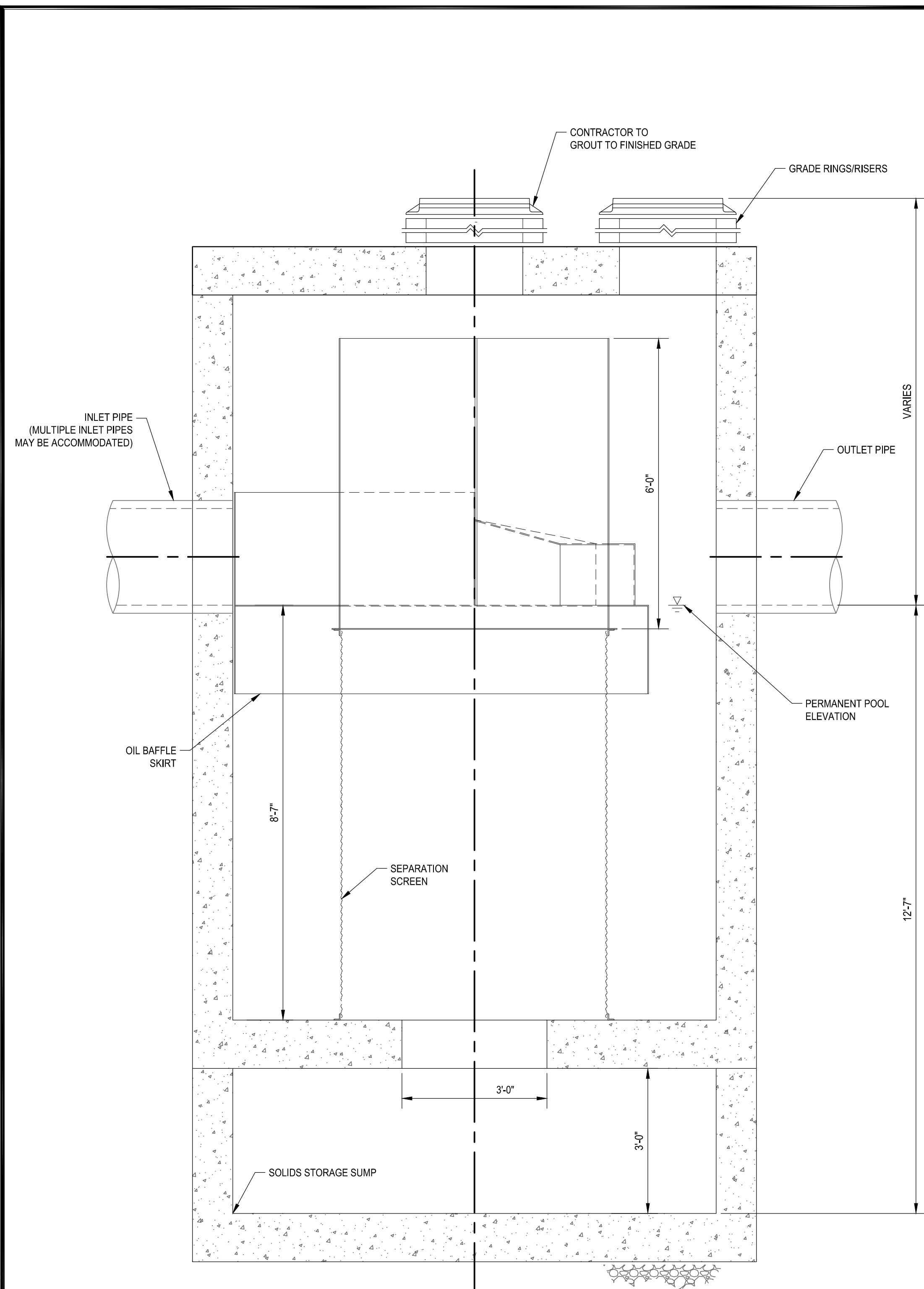


ACCOUNTABLE MANAGER
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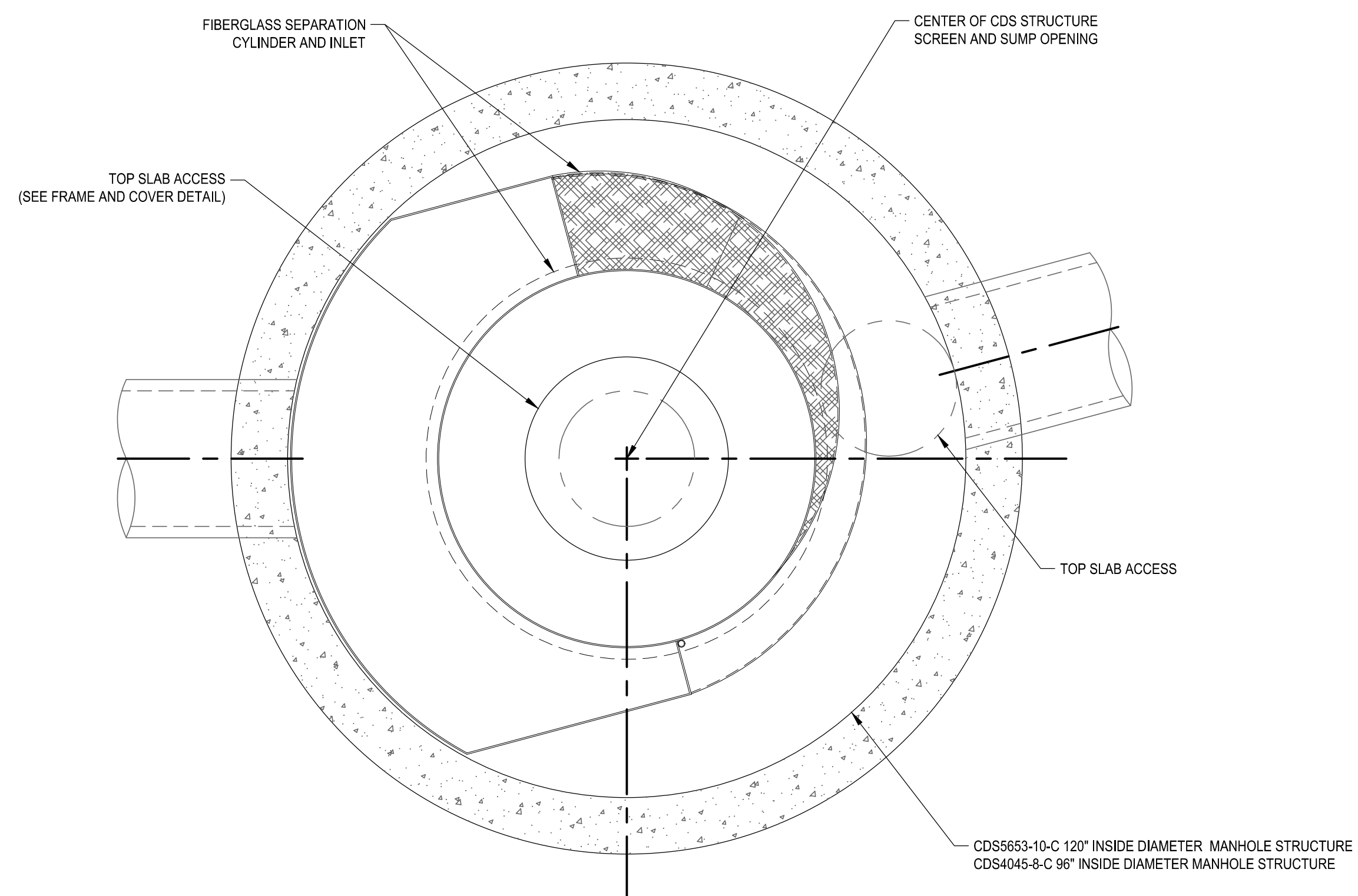
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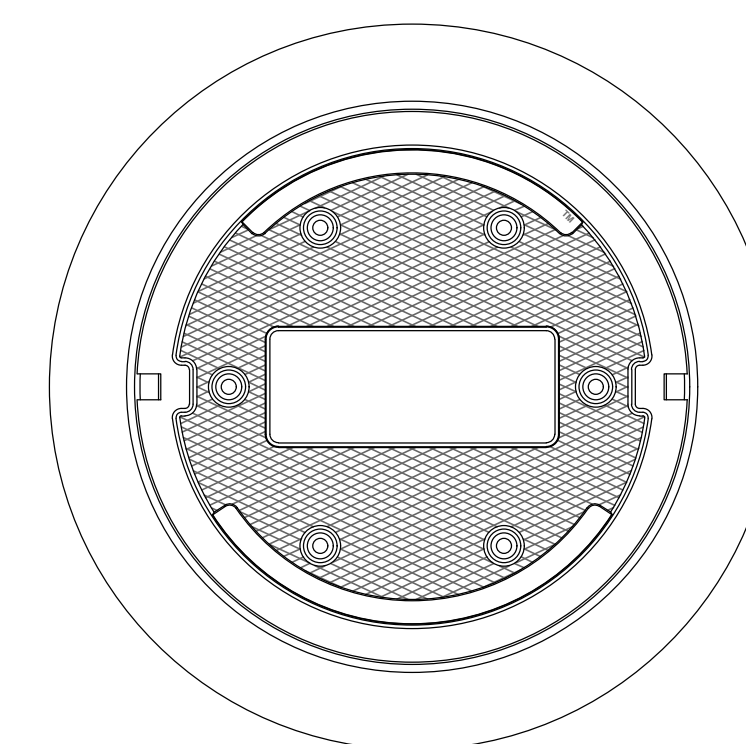
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023 SCALE: N.T.S. SHEET NO: 23 OF No. 80 DRAWING NO. C1-118
DETAILS - 5	



ELEVATION



PLAN



FRAME AND COVER

A CDS STORMWATER TREATMENT MANHOLE
- NOT TO SCALE

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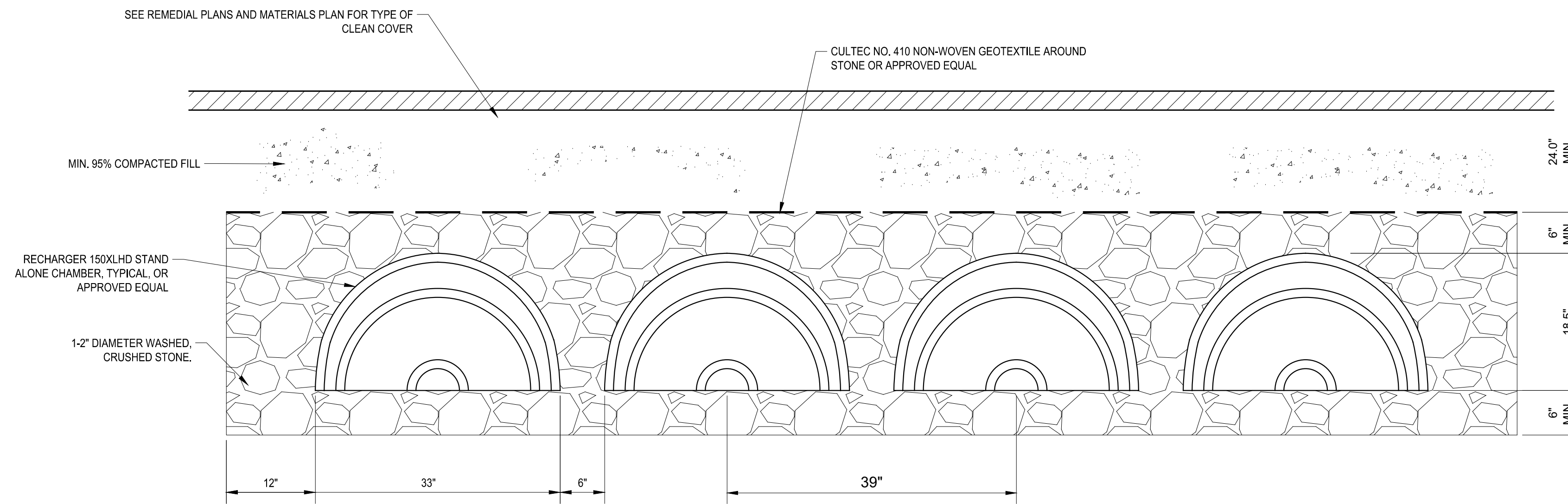
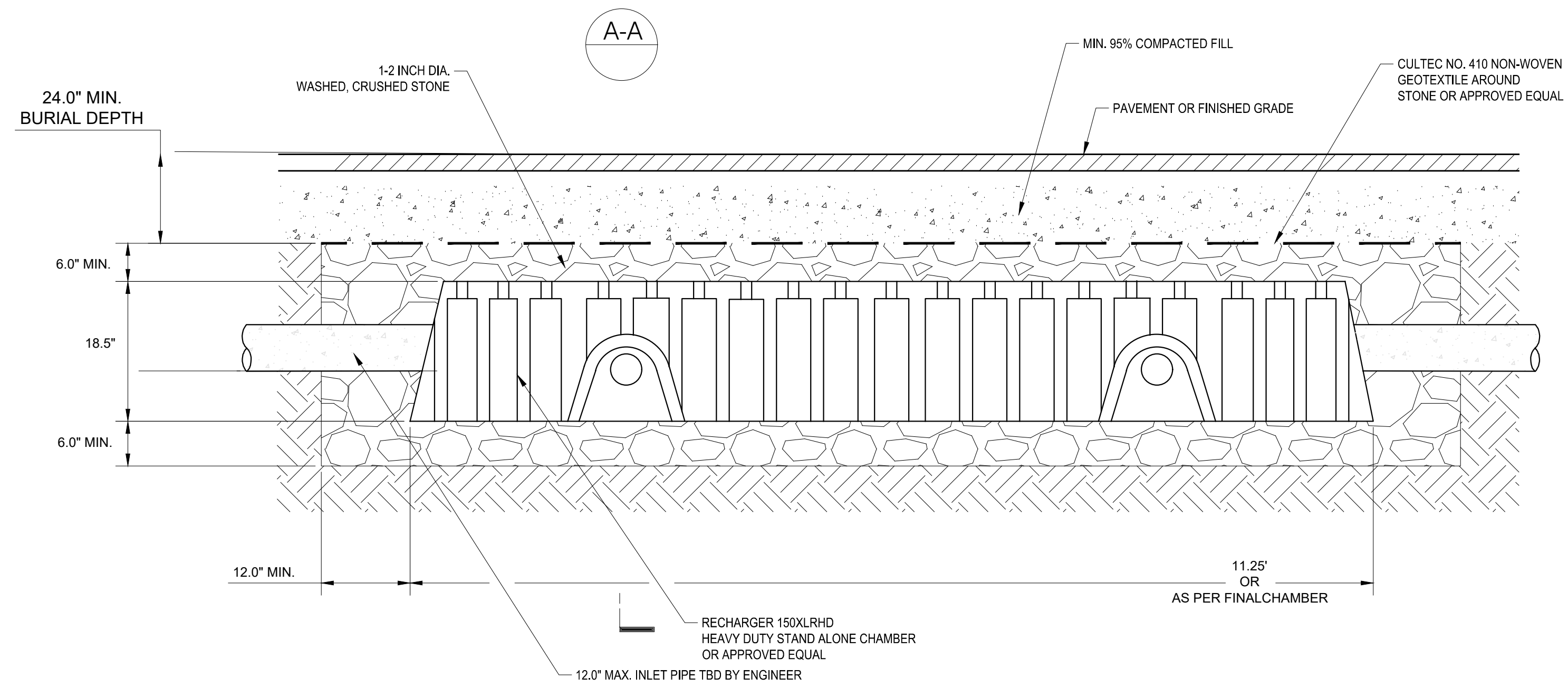
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DETAILS - 6	
DATE: JANUARY 2023 SCALE: N.T.S. SHEET NO: 24 OF No. 80 DRAWING NO. C1-119	

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SECTION A-A

A STORMWATER CHAMBERS
- NOT TO SCALE

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J. LAPADULA
DRAWN BY:
C. DEBONA
DESIGN LEAD:
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AND PAVING
MOUNT PLEASANT, NEW YORK

DETAILS - 7

DATE: JANUARY 2023

SCALE: N.T.S

SHEET NO:

25 OF No. 80

DRAWING NO.

C1-120

NOTES:

1. THE CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES, AND UTILITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES, AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ANY TREES DAMAGED BY THE CONTRACTOR NOT SCHEDULED TO BE REMOVED SHALL BE REPLACED IN KIND WITH TREE OR TREES OF EQUAL CALIPER AND VARIETY.
2. ANY AREA OUTSIDE THE LIMITS OF DISTURBANCE IS NOT TO BE AFFECTED BY THE CONTRACT WITHOUT PRE-APPROVAL FROM THE ENGINEER. ANY AREA AFFECTED BY THE CONTRACTOR SHALL BE RESTORED AS PER THE DIRECTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL NOT DRIVE ANY VEHICLE OR STORE ANY MATERIALS WITHIN THE DRIPLINE OF ANY EXISTING TREE OR SHRUB TO BE RETAINED. FURTHERMORE, ALL SOFTSCAPE AREAS WITHIN THE WORK LIMITS SHALL BE PROTECTED FROM COMPACTION. CORRECTIVE DECOMPACTION MEASURES SHALL BE TAKEN IN THE CASE OF ANY COMPACTION AT THE DIRECTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE. ANY DAMAGE TO EXISTING TREES OR VEGETATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. TREE PROTECTION SHALL BE IN ACCORDANCE WITH SPECIFICATION 02230 - SITE CLEARING AND TREE PROTECTION DETAIL ON DWG L1-302.
4. REFER TO DWG L1-100 FOR LANDSCAPE PLAN.
5. REFER TO DWG L1-301 FOR LANDSCAPE DETAILS.
6. REFER TO DWG L1-302 FOR LANDSCAPE SCHEDULE, NO MOW LAWN SEED MIX, AND LANDSCAPE DETAILS.
7. UNLESS INDICATED OTHERWISE ON THE DRAWINGS ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED WITH GRASS SEED FOR LAWN AREAS AS INDICATED IN SPECIFICATION 02910 PLANTING.
8. NO HERBICIDES SHALL BE ALLOWED EXCEPT WHERE APPROVED IN ADVANCE BY LANDSCAPE ARCHITECT IN ADVANCE IN WRITING.

SEEDING:

1. ALL SCHEDULE, SUBMITTAL, PRODUCTS AND METHODS FOR SEEDING OPERATIONS SHALL BE IN ACCORDANCE WITH SPECIFICATION 02910 PLANTING AND SEED SCHEDULE ON DRAWINGS.
2. ALL SEED SHALL BE INTERAGENCY CERTIFIED UNDER THE AUSPICES OF A STATE SEED IMPROVEMENT COOPERATIVE AND SHALL BEAR THEIR SEALS OF CERTIFICATION ON EACH BAG. PERMANENT SEED SHALL BE 75% PURE LIVE SEED MINIMUM.
3. SEED BROUGHT TO THE PROJECT SITE SHALL BE IN UNOPENED BAGS SHOWING THE NET WEIGHT, COMPOSITION OF MIX, SUPPLIERS NAME AND GUARANTEE OF ANALYSIS. SEED SHALL BE STORED IN ORIGINAL UNOPENED PACKAGES, KEPT DRY, AND NOT OPENED UNTIL NEEDED FOR USE. DAMAGED OR FAULTY PACKAGES SHALL NOT BE USED AND WILL BE REJECTED. SEED SHALL BE FRESH, RECLEANED SEED OF THE LATEST CROP AND BE IN CONFORMANCE WITH THE PLANTING SPECIFICATION. ALL SEED MATERIALS SHALL BE PROTECTED FROM DRYING OUT AND FROM WIND DAMAGE DURING DELIVERY. SEED MIX FOR NOW MOW LAWN SEED MIX SHALL AND RATE OF APPLICATION SHALL BE AS SPECIFIED ON DWG L1-302 NO MOW LAWN SEED MIX. GRASS SEED FOR LAWN AREAS SHALL BE MIX AND RATE AS INDICATED IN SPECIFICATION 02910 PLANTING.
4. ALL SEED MIXES AND PLANT SOURCES SHALL BE SUBMITTED IN ADVANCE FOR REVIEW AS NOTED IN SPECIFICATION 02910 PLANTING.
5. SEED MIXTURE SHALL BE INSPECTED BY THE ENGINEER UPON ARRIVAL AT THE JOB SITE AND PRIOR TO INSTALLATION. ANY MATERIALS NOT IN COMPLIANCE WITH THE PLANTING SPECIFICATION WILL NOT BE ACCEPTED AND SHALL BE REMOVED FROM THE JOB SITE IMMEDIATELY.
6. SEEDBED PREPARATIONS AND SEEDING SHALL BE AS STATED IN THE SPECIFICATION 02910 PLANTING.
7. DO NOT BROADCAST SEED BY MECHANICAL APPLICATION WHEN THE WIND VELOCITY IS SUCH TO PREVENT UNIFORM SEED DISTRIBUTION.
8. ALL SEEDED AREAS SHALL BE COVERED WITH ECS-1B SINGLE NET STRAW BIODEGRADABLE ROLLED EROSION CONTROL PRODUCT AS PER PLANTING SPECIFICATION AND EROSION CONTROL MATTING DETAIL, DWG L1-302.
9. SEEDED AREAS SHALL BE WATERED AT A MINIMUM OF ONCE PER WEEK UNTIL SEED HAS GERMINATED AND BECOME ESTABLISHED.
10. ACCEPTABLE SEEDING ESTABLISHMENT WILL BE 85% COVERAGE OF THE OPEN AREA WITH THE SEEDED SPECIES. ANY AREA NOT MEETING THIS REQUIREMENT SHALL BE RESEEDED WITH THE ORIGINAL SEED MIX.

PLANTING:

1. ALL PLANTINGS SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. IN THE EVENT THE ACTUAL LIMITS OF SITE CLEARING AND STAGING AREAS DIFFER FROM THOSE SHOWN IN THE PLANS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PLANTINGS IN CONFORMANCE WITH THE SPECIFICATIONS, SHOP DRAWINGS FOR REVISED PLANTINGS SHALL BE SUBMITTED A MINIMUM OF 90 DAYS IN ADVANCE OF THE PLANTING SEASON WHEN PLANTING IS SCHEDULED TO OCCUR.
2. ALL PLANTS SHALL BE CERTIFIED AND INSPECTED FREE OF ALL FUNGUS, GRUBS AND INSECTS THAT MAY HAVE DELETERIOUS EFFECT ON THE SURROUNDING FAUNA AND FLORA. ALL PLANT MATERIAL TO BE VIGOROUS, FREE OF INJURY OR DEFECTS. ALL PLANT MATERIAL SHALL BE STOCK FROM AN APPROVED NURSERY AS PER THE SPECIFICATION.
3. ALL B&B MATERIAL IS TO HAVE BALL/PLANT SIZE RELATIONSHIP AS SPECIFIED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, ANSI Z60.1 LATEST EDITION.
4. ALL SHRUB BEDS, UNLESS OTHERWISE NOTED, SHALL BE MULCHED AS SPECIFIED IN SPECIFICATION 02910 PLANTING AND IN DRAWINGS.
5. NO SUBSTITUTIONS WILL BE ACCEPTED UNLESS AUTHORIZED IN WRITING BY THE LANDSCAPE ARCHITECT.
6. ALL TREES TO BE PLANTED 5'-0" MIN FROM ALL DRAINAGE STRUCTURE, DRAINAGE LINES AND ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF DRAINAGE STRUCTURES ON SITE.
7. THE CONTRACTOR SHALL EXCAVATE AS NEEDED AND PROVIDE TOPSOIL TO ACHIEVE FINISHED GRADES IN ALL AREAS TO BE SEEDED OR OTHERWISE PLANTED. TOPSOIL SHALL BE SIX (6) INCHES MINIMUM IN SEEDED AREAS FOR ALL SEEDED AREAS AND DEEPER AS SPECIFIED FOR SHRUB AND TREES AS PER DETAILS.
8. THE ENGINEER MAY REJECT ANY MATERIAL NOT IN CONFORMANCE WITH THE PLANTING SCHEDULES AND THE PLANTING SPECIFICATION REQUIREMENTS.
9. THE CONTRACTOR SHALL EXCAVATE AS NEEDED AND PROVIDE TOPSOIL TO ACHIEVE FINISHED GRADES IN ALL AREAS TO BE SEEDED OR OTHERWISE PLANTED. TOPSOIL SHALL BE 6" MINIMUM IN SEEDED AREAS.
10. FERTILIZER SHALL BE APPLIED IN ACCORDANCE WITH SPECIFICATION 02910 PLANTING. FERTILIZER DELIVERED TO THE SITE SHALL BE IN ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S CHEMICAL ANALYSIS AND ESSENTIAL INFORMATION. FERTILIZER CONTAINERS SHALL BE PROTECTED FROM EXPOSURE TO PRECIPITATION AND DIRECT SUNLIGHT.
11. PLANTS SHALL BE INSTALLED IN "DRY" CONDITIONS AND NOT WHEN PLANTING LOCATIONS ARE WET OR FROZEN. PRIOR TO INSTALLATION, CONTRACTOR SHALL STAKE OUT AND RECEIVE APPROVAL FROM ENGINEER FOR LOCATIONS OF PLANTINGS.
12. INSTALL MULCH ACROSS ENTIRE PLANTING BEDS INCLUDING ALL AREAS OF TREE, SHRUB, ORNAMENTAL GRASS AND HERBACEOUS PLUG PLANTING AS PER PLANTING SPECIFICATION AND EACH ASSOCIATED PLANTING DETAIL ON DWG L1-302. NO MULCH SHALL BE APPLIED TO SEEDED AREAS.

CONFORMED SET	IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
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DESIGNED BY:	E. MOSKALENKO, RLA	DRAWN BY:	E. MOSKALENKO, RLA
CHECKED BY:	K. WARD	DESIGN LEAD:	E. BARBOE, PE
A	7/23	CONFORMED	CR
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D



ACCOUNTABLE MANAGER	JOSE NIEVES
PROJECT MANAGER	MARK DELBALZO, P.E.

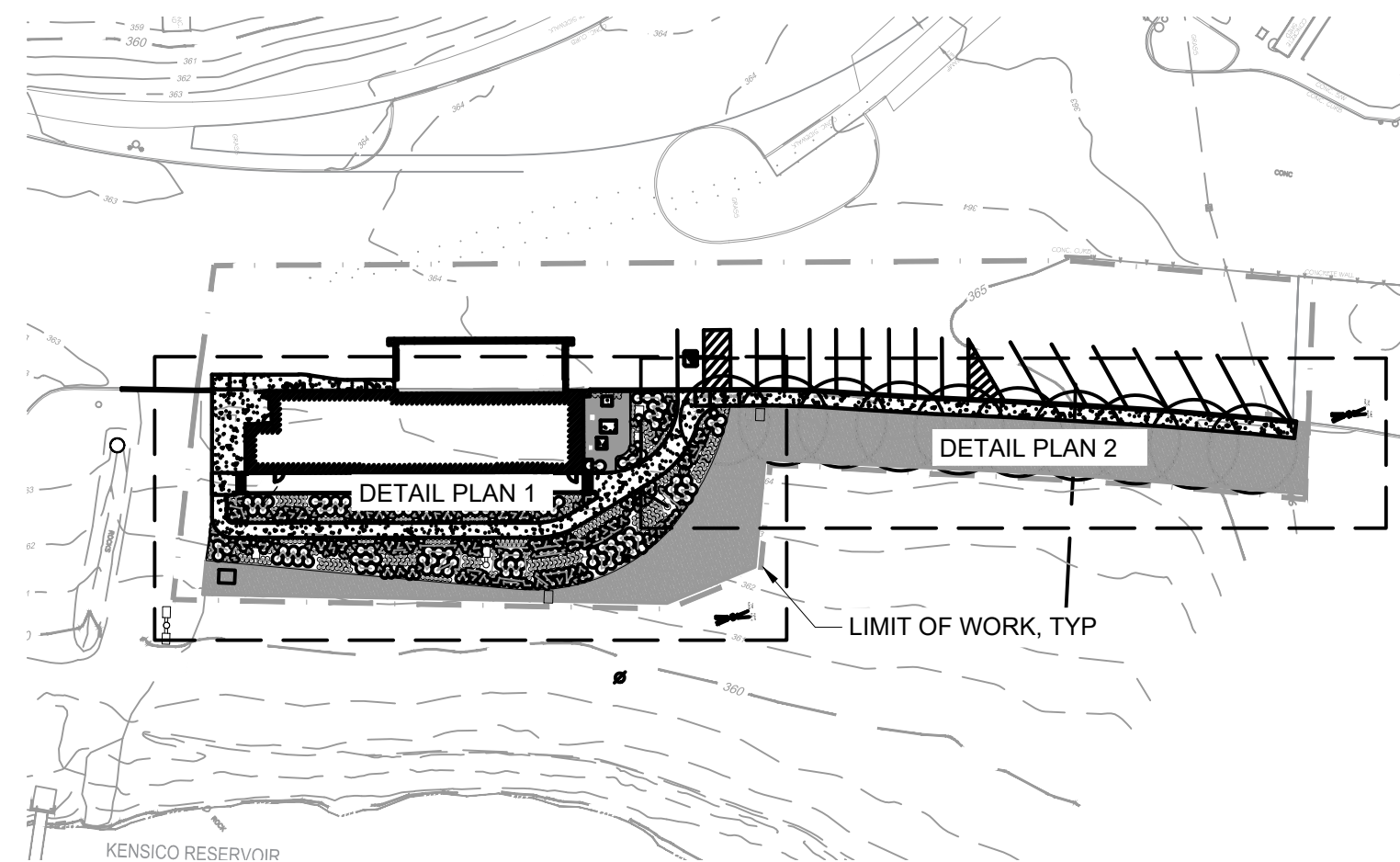
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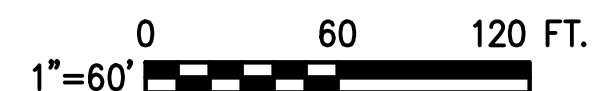
WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK

LANDSCAPE
GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

DATE: JANUARY 2023
SCALE:
SHEET NO: 26 OF No. 80
DRAWING NO. L0-001

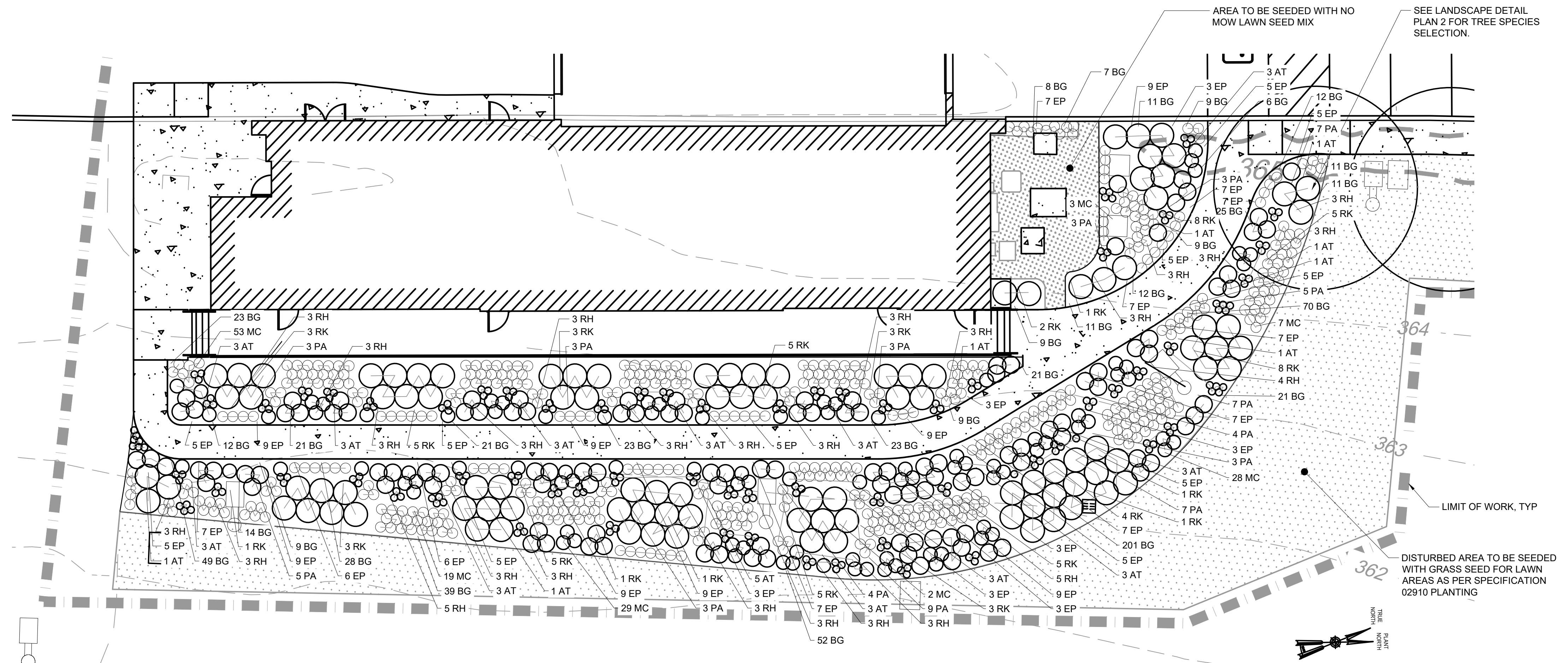


KEY MAP
1" = 60'

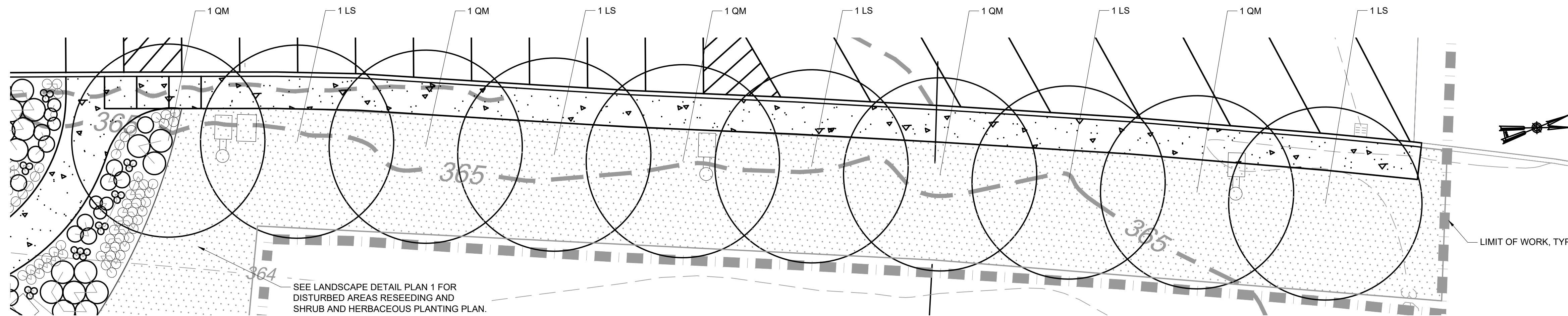


NOTES:

1. REFER TO DWG LI-001 FOR LANDSCAPE NOTES AND SYMBOLS.
2. REFER TO DWG LI-301 FOR LANDSCAPE DETAILS.
3. REFER TO DWG LI-302 FOR LANDSCAPE SCHEDULE, NO MOW LAWN SEED MIX AND LANDSCAPE DETAILS.
4. UNLESS INDICATED OTHERWISE ON THE DRAWINGS ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED WITH GRASS SEED FOR LAWN AREAS AS INDICATED IN SPECIFICATION 02910 PLANTING.



LANDSCAPE DETAIL PLAN 1
1" = 10'



LANDSCAPE DETAIL PLAN 2
1" = 10'

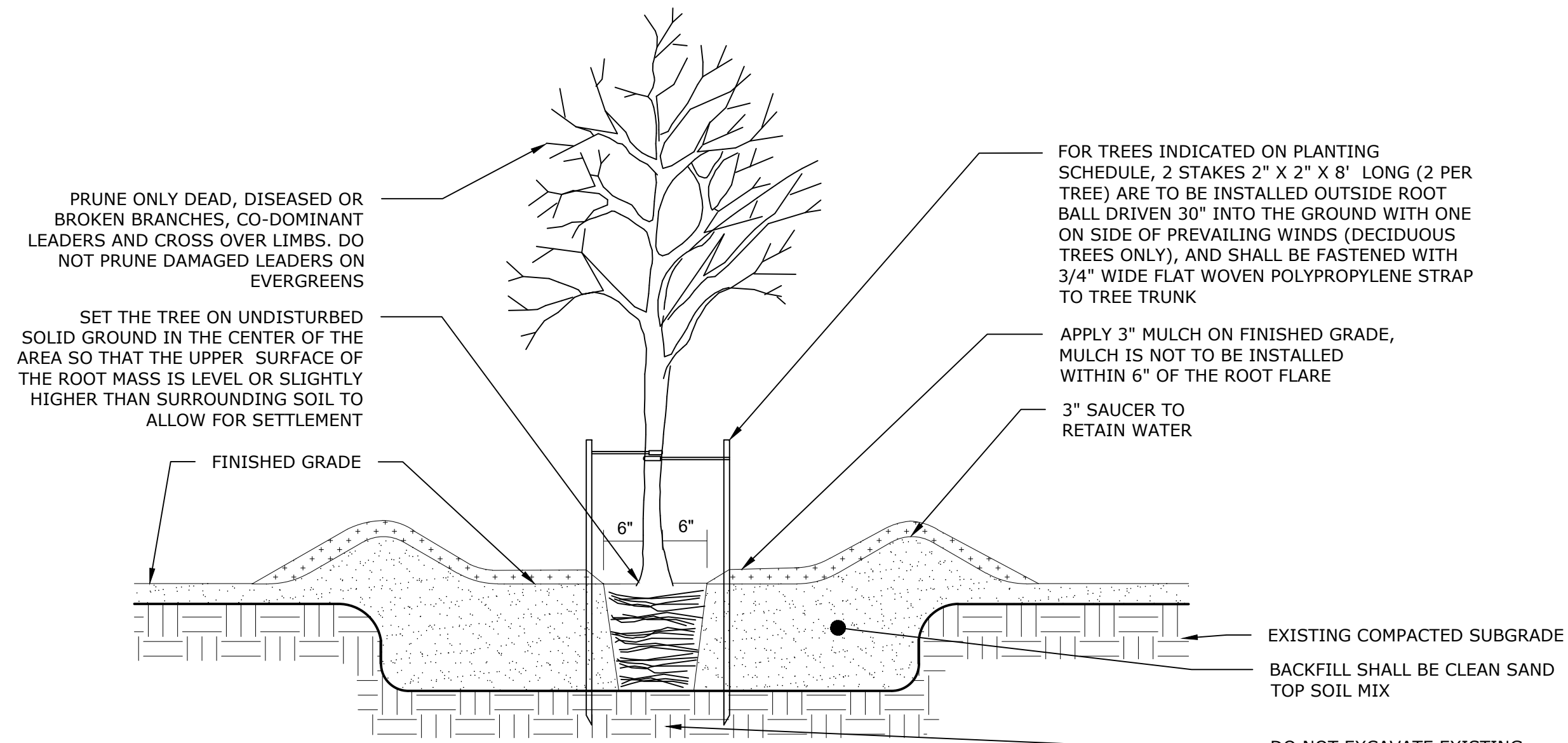


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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023
LANDSCAPE PLAN	SCALE:
	SHEET NO: 27 OF No. 80
	DRAWING NO. L1-100

File: C:\WORK\NYC\NYC\0104000\LI-100_Signed by EMOSEKALENKO.dwg, Date: 1/17/2023 3:58 PM

DESIGNED BY: E. MOSKALENKO, RLA	DRAWN BY: E. MOSKALENKO, RLA		ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION 7209.2.*	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep
CHECKED BY: K. WARD	DESIGN LEAD: E. BARBOE, PE		PROJECT MANAGER MARK DELBALZO, P.E.		
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NO. DATE	REVISIONS/DESCRIPTION	APPR'D			

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Water Supply.

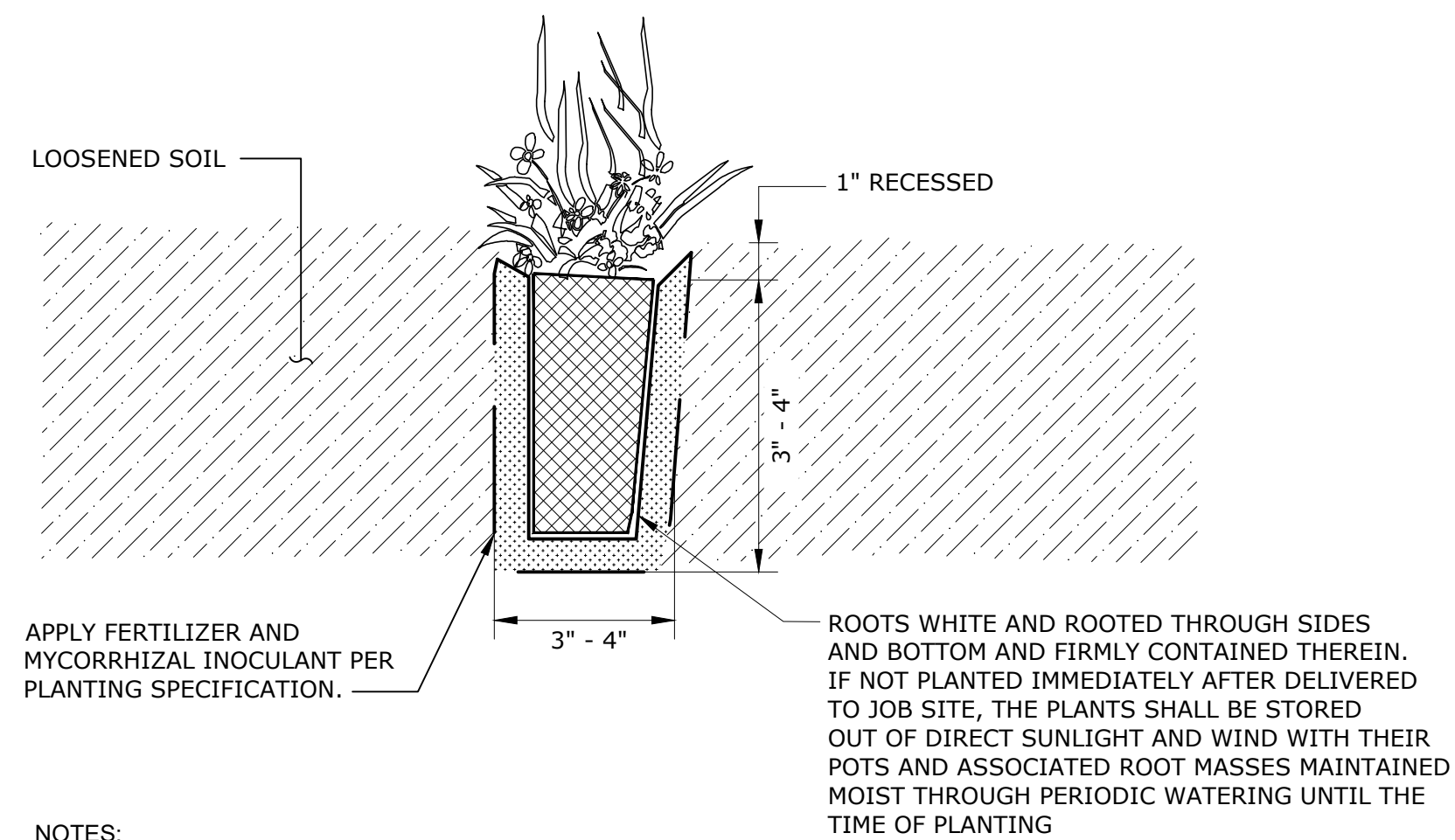


NOTES:

1. PRUNING, IF NECESSARY, SHALL BE DONE BY A CERTIFIED ARBORIST.
2. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL TO BE REMOVED IS ENCOUNTERED IN TREE PIT LOCATIONS.
3. ROTOTILL/CULTIVATE SOILS TO A DEPTH EQUAL TO THE DEPTH OF ROOT BALL AND TWO TIMES THE DIAMETER OF THE ROOT BALL.
4. APPLY FERTILIZER AND MYCORRHIZAL INOCULANT PER PLANTING SPECIFICATION. TAMP SOIL IN 6" LAYERS AROUND ROOT BALL AND WATER THOROUGHLY AFTER PLANTING. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION.
5. COMPLETELY UNWRAP OR CUT GIRDLING ROOTS. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE.
6. FOR CONTAINER: REMOVE ROOT BALL FROM CONTAINER. LOOSEN POT- BOUND, SPIRALLY-GROWING AND GIRDLING ROOTS. FOR B&B: CUT TWINE AND REMOVE BURLAP AND WIRE BASKET.
7. REMOVE AND DISPOSE OF ALL NON-BIODEGRADABLES FROM PLANTING HOLES AND ROOT BALL.
8. REMOVE STAKES AFTER FIRST YEAR.

TYPICAL TREE PLANTING DETAIL

NTS

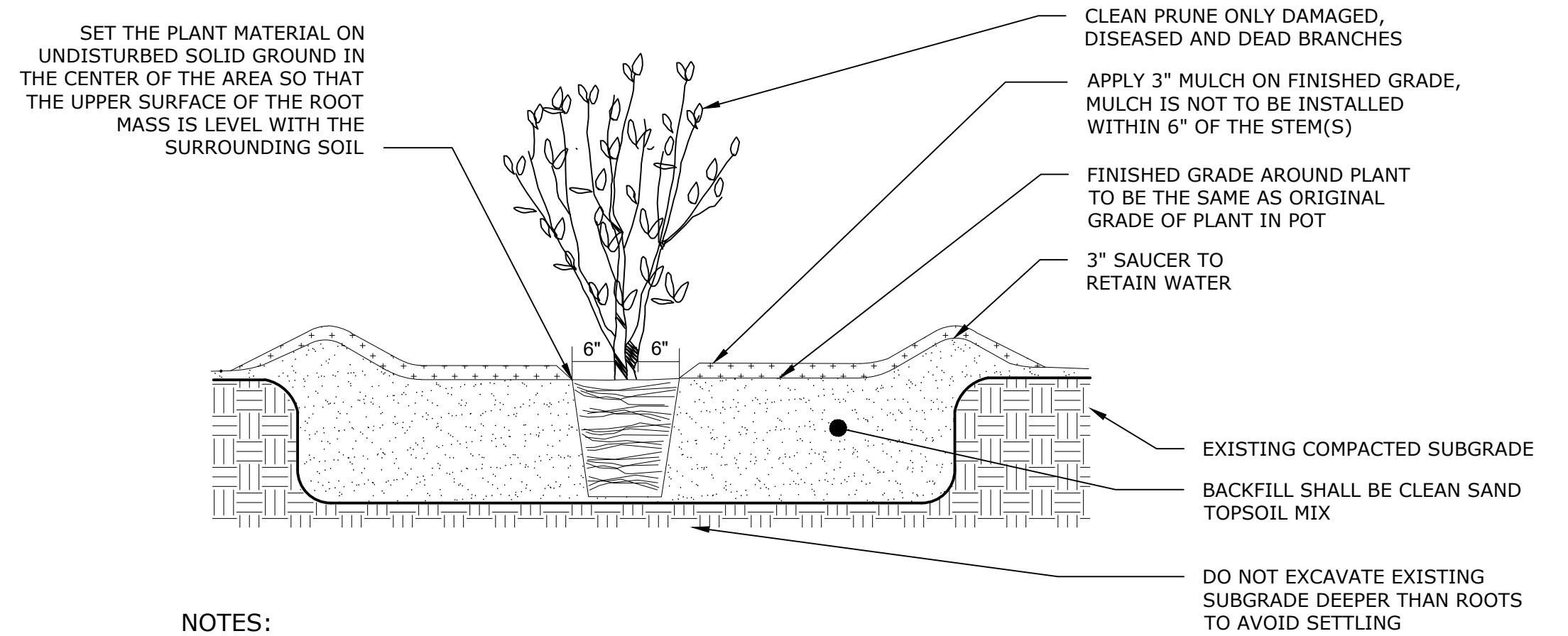


NOTES:

1. ALL PLASTIC WRAP SHALL BE REMOVED PRIOR TO PLANTING.
2. CAREFULLY FIRM PLUG INTO PLACE AFTER PLANTING BY LIGHTLY TAMPING.
3. INSTALL MULCH TO A DEPTH OF 3" ON TOP OF FINISHED GRADE. MULCH SHALL NOT BE WITHIN 6" OF INSTALLED PLUG.

TYPICAL PLUG PLANTING DETAIL

NTS



NOTES:

1. PRUNING, IF NECESSARY, SHALL BE DONE BY A CERTIFIED ARBORIST.
2. ROTOTILL/CULTIVATE SOILS TO A DEPTH EQUAL TO THE DEPTH OF ROOT BALL AND TWO TIMES THE DIAMETER OF THE ROOT BALL.
3. APPLY FERTILIZER AND MYCORRHIZAL INOCULANT PER PLANTING SPECIFICATION. TAMP SOIL IN 6" LAYERS AROUND ROOT BALL AND WATER THOROUGHLY AFTER PLANTING. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION.
4. CONTAINER: REMOVE ROOT BALL FROM CONTAINER. LOOSEN POT- BOUND, SPIRALLY-GROWING AND GIRDLING ROOTS. B&B: CAREFULLY REMOVE TOP 1/3 OF BURLAP. CUT SEVERAL SLITS IN BURLAP TO FACILITATE ROOT PENETRATION
5. REMOVE AND DISPOSE OF ALL NON-BIODEGRADABLES FROM PLANTING HOLES AND ROOT BALL.

TYPICAL HERBACEOUS/GRASS/SHRUB PLANTING DETAIL

NTS

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	DATE: JANUARY 2023
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	
LANDSCAPE DETAILS SHEET 1	
SHEET NO: 28 OF No. 80	
DRAWING NO. L1-301	

DESIGNED BY: E. MOSKALENKO, RLA	DRAWN BY: E. MOSKALENKO, RLA
CHECKED BY: K. WARD	DESIGN LEAD: E. BARBOE, PE

Hazen			
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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D



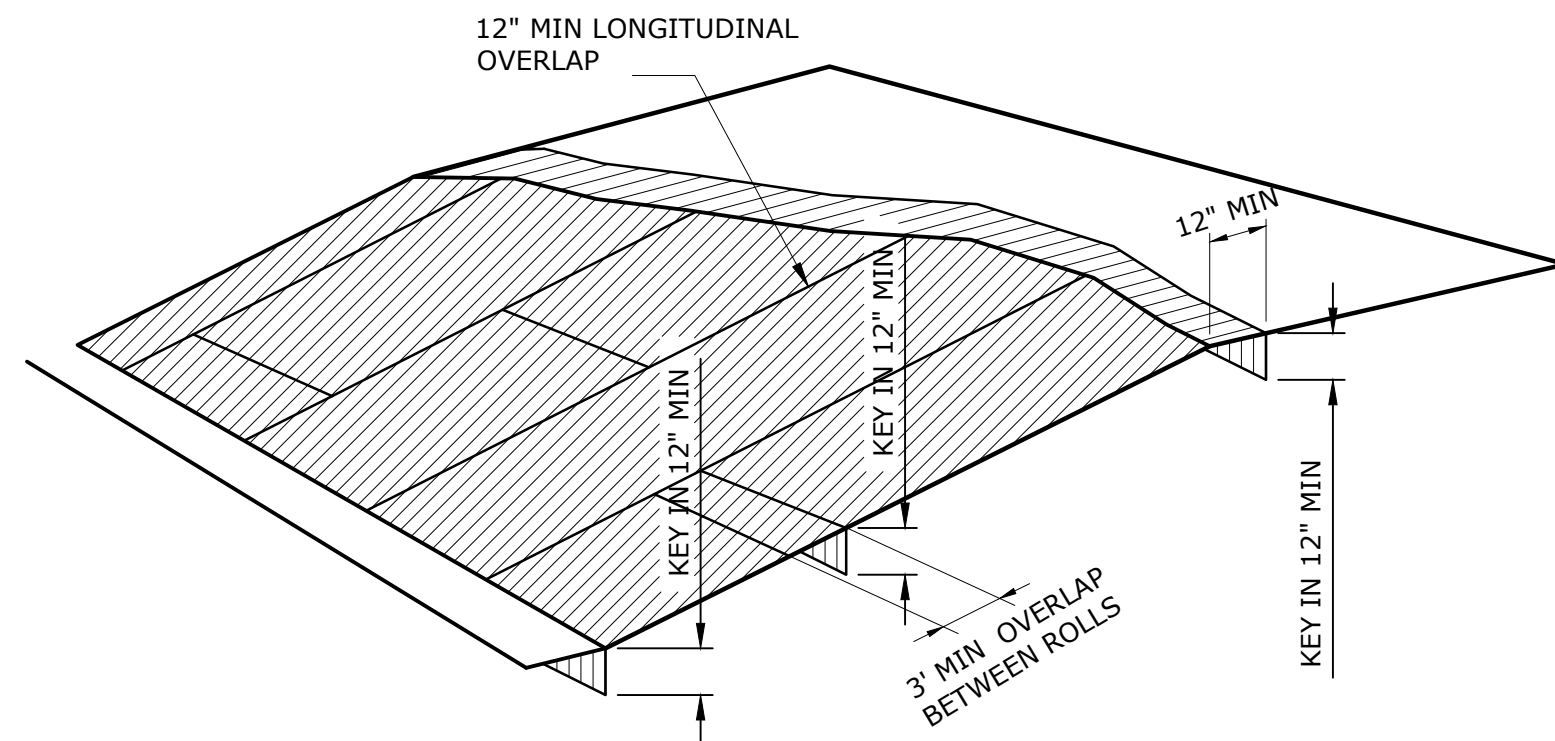
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PROJECT MANAGER MARK DELBALZO, P.E.

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PLANTING SCHEDULE							
NO.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	FORM	SPACING	REMARKS
Herbaceous Plants							
50	AT	<i>Amsonia tabernaemontana</i>	blue star	DP50	plug	As shown	
230	EP	<i>Echinacea purpurea</i>	purple coneflower	DP50	plug	As shown	
70	PA	<i>Perovskia atriplicifolia</i> 'Little Lace'	Russian sage "Little Lace"	#SP4	cont	As shown	
80	RH	<i>Rudbeckia hirta</i>	black-eyed susan	DP50	plug	As shown	
Grasses							
780	BG	<i>Bouteloua gracilis</i>	blue grama grass	DP50	plug	As shown	
140	MC	<i>Muehlenbergia capillaris</i>	pink muhly grass	#1	cont	As shown	
Shrubs							
74	RK	<i>Rosa</i> 'Radrazz' Knockout; <i>Rosa</i> 'Radcor' Knockout; <i>Rosa</i> 'Radyod' Knockout	knockout rose 'Radrazz', 'Radcor', and 'Radyod'	#5	cont	As shown	
Canopy Trees							
5	LS	<i>Liquidambar styraciflua</i>	American sweetgum	2.5-3" cal	B&B	As shown	Spring planting only
5	QM	<i>Quercus montana</i>	chestnut oak	2.5-3" cal	B&B	As shown	

	A	B	C
1	NO MOW LAWN SEED MIX		
2	BOTANICAL NAME	COMMON NAME	PERCENTAGE
3	<i>Festuca rubra</i>	creeping red fescue var. rubra	40
4	<i>Festuca brevipila</i> var. Beacon	hard fescue var. Beacon	15
5	<i>Festuca brevipila</i> var. Harpoon	hard fescue var. Harpoon	15
6	<i>Festuca ovina</i>	sheep fescue	10
7	<i>Festuca rubra</i> subsp. Fallax	chewings fescue	10
8	<i>Festuca rubra</i>	red fescue	10
9	Seed mix to be applied at a rate of 220 lbs/acre = 1.5 lbs of PLS.		



NOTES:

1. EROSION CONTROL MATTING BE INSTALLED AS SHOWN ON PLANS FOR ALL SEEDED AREAS AND FOR SLOPES 3:1 AND GREATER.
2. BEGIN AT TOP OF SLOPE AND/OR UPSTREAM AND ANCHOR FIBER MATTING IN A 12 INCH DEEP INITIAL ANCHOR TRENCH. BACKFILL TRENCH AND TAMP EARTH FIRMLY.
3. UNROLL FIBER MATTING DOWNSLOPE IN THE DIRECTION OF WATER FLOW.
4. OVERLAP EDGES OF ADJACENT PARALLEL ROLLS A MINIMUM 12 INCHES AND ANCHOR AT 12 INCHES O.C.
5. WHEN MATTING MUST BE SPLICED, PLACE END OVER END (SHINGLE STYLE) WITH 12 INCH OVERLAP AND ANCHOR USING TWO STAGGERED ROWS OF STAKES AT 6 INCHES O.C.
6. LAY MATTING LOOSELY AND ANCHOR SUFFICIENTLY TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH. FOR SLOPES 2:1 AND STEEPER, USE A MINIMUM 3 STAKES PER SQUARE YARD AND FOR SLOPES FLATTER THAN 2:1, USE A MINIMUM OF 2 STAKES PER SQUARE YARD.
7. ANCHOR, FILL, AND COMPACT END OF MATTING IN A 12X6 INCH TERMINAL ANCHOR TRENCH (MIRROR IMAGE OF EXISTING TRENCH).

EROSION CONTROL MATTING DETAIL

NTS

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CHECKED BY:	K. WARD	DESIGN LEAD:	E. BARBOE, PE
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR



ACCOUNTABLE MANAGER	JOSE NIEVES
PROJECT MANAGER	MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK
LANDSCAPE DETAILS SHEET 2

DATE: JANUARY 2023
SHEET NO: 29 OF No. 80
DRAWING NO. L1-302

GENERAL STRUCTURAL NOTES

- G-1 THESE NOTES ARE GENERAL AND SUPPLEMENT THE SPECIFICATIONS. THESE NOTES APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
- G-2 STANDARD DETAILS SHALL BE USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
- G-3 DESIGN IS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE. THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN IN NOTES G-4 THROUGH G-7 WERE USED FOR DESIGN OF STRUCTURES UNLESS NOTED OTHERWISE ON THE DRAWINGS.

G-4 LIVE LOADS:

STRUCTURE	LEVEL	ROOF	BOTTOM / GROUND FLOOR
WATERFOWL BUILDING		20 PSF	150 PSF/H2O

-ALL STAIRWAYS, LANDINGS AND PLATFORMS ARE DESIGNED FOR A LIVE LOAD = 100 PSF UNLESS NOTED OTHERWISE.

- G-5 SNOW LOAD:
- GROUND SNOW LOAD (Pg) = 30 PSF
 FLAT-ROOF SNOW LOAD (Pfl) = 18.5 PSF
 SNOW EXPOSURE FACTOR (Ce) = 0.9
 SNOW LOAD IMPORTANCE FACTOR (Is) = 1.0
 THERMAL FACTOR (Ct) = 1.0
 ADDITIONAL LOAD DUE TO DRIFTS AND SLIDING

- G-6 WIND DESIGN CRITERIA:
- ULTIMATE DESIGN WIND SPEED (Vult) = 115 MPH
 RISK CATEGORY = II
 WIND EXPOSURE = D

PARAMETER	PRESSURE COEFFICIENT T Gcpi	WIND DESIGN PRESSURE	COMPONENTS AND CLADDING	LATERAL LOAD RESISTING SYSTEM
WATERFOWL BUILDING	± 0.55	40 PSF	50 PSF	STEEL MOMENT AND BRACED FRAME

- G-7 SEISMIC LOAD:
- RISK CATEGORY = II
 SEISMIC IMPORTANCE FACTOR (Ie) = 1.0
 SITE CLASS = D
 MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss/S1) = 0.268/0.072
 SPECTRAL RESPONSE ACCELERATIONS (Sms/Sm1) = 0.425/0.172
 SPECTRAL RESPONSE COEFFICIENTS (SDS/SD1) = 0.283/0.115
 SEISMIC DESIGN CATEGORY = B

PARAMETER	BASIC STRUCTURAL SYSTEM	DESIGN BASE SHEAR	SEISMIC RESPONSE COEFFICIENT Cs	RESPONSE MODIFICATION COEFFICIENT R	ANALYSIS PROCEDURE
WATERFOWL BUILDING	STEEL MOMENT FRAME	25 K	0.1	3	EQUIVALENT LATERAL FORCE

- G-8 ALL DIMENSIONS INDICATED FOR EXISTING STRUCTURES SHALL BE VERIFIED BY FIELD MEASUREMENT. ALL DIMENSIONS THAT ARE CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER SHOP DRAWINGS PRIOR TO CONSTRUCTION.
- G-9 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR NEW WORK.
- G-10 IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED.
- G-11 EQUIPMENT ANCHOR BOLT SIZES, TYPES, EMBEDMENT AND PATTERNS SHALL BE VERIFIED WITH THE MANUFACTURER. ALL BOLT PATTERNS SHALL BE TEMPLATED TO ENSURE ACCURACY OF PLACEMENT.
- G-12 STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND MANUFACTURER'S SHOP DRAWINGS.
- G-13 STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING OF ANY STRUCTURAL ELEMENT IS PROHIBITED.
- G-14 IF CONTRACTOR DESIRES TO TEMPORARILY PLACE OR MOVE LOADS ON OR ADJACENT TO EXISTING STRUCTURES OR UTILITIES DURING CONSTRUCTION PROCESS, CONTRACTOR IS EXCLUSIVELY RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY AND AVOIDING OVERSTRESSING AND DAMAGING EXISTING STRUCTURES AND UTILITIES. CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS AND DRAWINGS VERIFYING PROPOSED CONSTRUCTION INCLUDING APPLICATION OF TEMPORARY CONSTRUCTION LOADS WILL NOT OVERSTRESS OR DAMAGE EXISTING STRUCTURES AND UTILITIES. DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN THE STATE OF NEW YORK.

CONCRETE (CAST-IN-PLACE)

- C-1 DESIGN OF CONCRETE ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS, AND COLUMNS IS IN ACCORDANCE WITH ACI 318 (CODE REQUIREMENTS FOR STRUCTURAL CONCRETE).
- C-2 FOR CONCRETE MIX DESIGN SEE SPECIFICATION SECTION 03300.
- C-3 CONCRETE STRENGTH CLASSES (28-DAY COMPRESSIVE STRENGTH):
 - A. CLASS 25 - USE FOR LEAN CONCRETE.
 - B. CLASS B-32 - USE NYCDOT SPECIFICATION SIDEWALKS, HEADERS AND CURB.
 - C. CLASS 45 - USE FOR ALL CONCRETE UNLESS INDICATED OTHERWISE.
- C-4 ALL BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60. WHERE REINFORCEMENT IS TO BE WELDED IN ACCORDANCE WITH AWS D1.4, ASTM A706 GRADE 60 SHALL BE USED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- C-5 CONCRETE COVER FOR REINFORCING (UNLESS NOTED OTHERWISE ON THE DRAWINGS):
 - A. CONCRETE DEPOSITED DIRECTLY AGAINST SOIL: 3"
 - B. CONCRETE EXPOSED TO WEATHER (#5 OR SMALLER): 1 1/2"
 - C. CONCRETE EXPOSED TO WEATHER (#6 OR LARGER): 2"
 - C. SLABS: 1 1/2"
 - AT SURFACES CONTACTING FLUID: 2"
 - D. BEAMS AND COLUMNS (TO MAIN REINFORCEMENT): 2"
 - BEAMS AND COLUMNS (TO COLUMN TIES OR STIRRUPS): 1 1/2"
 - E. WALLS 12" OR MORE: 2"
 - WALLS LESS THAN 12" (#5 OR SMALLER): 1 1/2"
 - WALLS LESS THAN 12" (#6 OR LARGER): 2"
 - F. FOR SURFACES EXPOSED TO FLUID IN BEAMS, COLUMNS AND WALLS: ADD 1/2" TO ABOVE VALUES
- C-6 SPLICES SHALL BE CLASS "B" CONFORMING TO THE PROVISIONS OF ACI 318 UNLESS NOTED OTHERWISE. SPLICE LENGTH FOR TWO DIFFERENT SIZED BARS TO BE LAP SPLICED TOGETHER SHALL BE THE LENGTH OF THE LARGER BAR UNLESS NOTED OTHERWISE.
- C-7 CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. CONSTRUCTION JOINTS NOT SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL OF THE ENGINEER PRIOR TO SUBMITTING REBAR SHOP DRAWINGS. VERTICAL CONSTRUCTION JOINTS IN WALLS AND HORIZONTAL JOINTS IN SLABS SHALL BE PROVIDED AT A SPACING NOT GREATER THAN 45 FEET ON CENTER. FOR EXPOSED WALLS WITH FLUID OR EARTH ON THE OPPOSITE SIDE, THE SPACING BETWEEN VERTICAL AND HORIZONTAL JOINTS SHALL BE A MAXIMUM OF 25 FEET.
- C-8 WHERE HORIZONTAL CONSTRUCTION JOINTS, LOCATED ABOVE THE FOUNDATION SLAB, EXTEND BEYOND WHERE NEEDED, THEY SHALL BE TERMINATED AT A VERTICAL CONSTRUCTION JOINT APPROVED BY THE ENGINEER.
- C-9 ALL JOINTS WHICH ARE IN MEMBERS IN CONTACT WITH LIQUID OR BELOW GRADE SHALL HAVE A WATERSTOP. CONSTRUCTION JOINTS SHALL HAVE A 6" PVC RIBBED WATERSTOP. EXPANSION JOINTS SHALL HAVE A 9" PVC CENTER BULB RIBBED WATERSTOP. IN VERTICAL JOINTS, WATERSTOPS SHALL TERMINATE NO LESS THAN 18" ABOVE THE MAXIMUM WATER SURFACE OR 18" ABOVE GRADE, WHICHEVER IS HIGHER.
- C-10 ALL EXPOSED CORNERS SHALL HAVE A 3/4" CHAMFER OR A 1/2" RADIUS TOOLED CORNER.
- C-11 EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER CONTRACT DOCUMENTS, SHALL BE PROVIDED FOR PRIOR TO PLACING CONCRETE.
- C-12 REINFORCING BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY METAL PIPE, PIPE FLANGE, METAL CONDUIT, OR OTHER METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM CLEARANCE OF 2" SHALL BE PROVIDED.
- C-13 DOWELS, ANCHOR BOLTS, PIPES, WATERSTOPS AND OTHER EMBEDDED ITEMS SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
- C-14 CONDUITS AND OTHER SIMILAR ITEMS EMBEDDED IN OR PENETRATING THROUGH CONCRETE SHALL BE SPACED ON CENTER NOT LESS THAN 3 TIMES THEIR OUTSIDE DIMENSION, BUT NOT LESS THAN 2 1/2" CLEAR. WHEN SUCH ITEMS ARE EMBEDDED IN WALLS OR SLABS, THEY SHALL NOT OCCUPY MORE THAN 1/3 OF THE MEMBER THICKNESS.
- C-15 AT ALL TYPICAL CURBS, EQUIPMENT PADS, AND PIPE SUPPORT PIERS, REINFORCING DOWELS SHOWN MAY BE REPLACED WITH MATCHING DOWELS SET IN EPOXY IN DRILLED HOLES AS SPECIFIED. DOWELS LOCATED CLOSER THAN 3" FROM ANY EDGE OF CONCRETE SHALL NOT BE REPLACED WITH DRILLED DOWELS.
- C-16 DRILLED ADHESIVE DOWELS (WHERE DOWELS ARE SHOWN TO BE PLACED INTO HARDENED CONCRETE):
 - A. THE HOLE DIAMETER SHALL BE NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE REINFORCING BAR AT THE DEFORMATIONS.
 - B. THE DEPTH OF EMBEDMENT SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
 - C. ADJUST THE DOWEL LOCATIONS AS NEEDED TO AVOID DRILLING THROUGH ANY REINFORCING BARS. IF THE LOCATION NEEDS TO BE MODIFIED, CONTACT THE ENGINEER. CONTRACTOR SHALL USE NON-DESTRUCTIVE MEANS TO FIELD LOCATE REINFORCEMENT PRIOR TO DRILLING HOLES FOR DOWELS.
- C-17 CLEAR DISTANCE FROM ANCHOR BOLTS TO ANY CONCRETE EDGE SHALL BE 4" MINIMUM UNLESS NOTED OTHERWISE.
- C-18 CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE ENGINEER.
- C-19 ALL COMPONENTS INDICATED AS AESS SHALL COMPLY WITH THE INDICATED CATEGORY IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES.

FOUNDATIONS

- F-1 CONCRETE (CAST-IN-PLACE) NOTES APPLY TO FOUNDATIONS.
- F-2 ALLOWABLE SOIL BEARING PRESSURE

PARAMETER	ALLOWABLE SOIL BEARING PRESSURE
WATERFOWL BUILDING	2000 PSF

- F-3 MINIMUM DEPTH FROM ADJACENT FINISHED GRADE TO BOTTOM OF FOUNDATION = 48 INCHES.

NONSTRUCTURAL COMPONENT ANCHORAGE

- A-1 ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS SHALL BE DESIGNED AND INSTALLED TO RESIST THE CONTROLLING CONDITION OF OPERATIONAL FORCES OR SEISMIC FORCES IN ACCORDANCE WITH THE GOVERNING BUILDING CODE. SEISMIC FORCES SHALL ALSO BE AS PER ASCE 7. COMPONENT SEISMIC ATTACHMENTS SHALL BE BOLTED, WELDED, OR OTHERWISE POSITIVELY FASTENED WITHOUT CONSIDERATION OF FRICTIONAL RESISTANCE PRODUCED BY THE EFFECTS OF GRAVITY. A CONTINUOUS LOAD PATH OF SUFFICIENT STRENGTH AND STIFFNESS BETWEEN THE COMPONENT AND THE SUPPORTING STRUCTURE SHALL BE PROVIDED. CONNECTIONS FOR BOTH ORTHOGONAL DIRECTIONS (TRANSVERSE AND LONGITUDINAL) SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER CURRENTLY REGISTERED IN THE STATE OF NEW YORK.
- A-2 COMPONENT REACTION FORCES AT THE POINT OF ATTACHMENT TO THE STRUCTURE SHALL BE SUBMITTED TO AND COORDINATED WITH THE ENGINEER FOR CONFIRMATION SUPPORTING STRUCTURE CAN WITHSTAND REACTION FORCES.
- A-3 CONTRACTOR SHALL PROVIDE SPECIAL SEISMIC CERTIFICATION (SSC) FROM MANUFACTURER OF EQUIPMENT FOR ALL SYSTEMS DEEMED NECESSARY BY SPECIFICATIONS. SPECIAL SEISMIC CERTIFICATION SHALL BE IN COMPLIANCE WITH ASCE 7.

STRUCTURAL METALS

- M-1 DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH ANSIAISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.
- M-2 STEEL MATERIAL:
 - A. STRUCTURAL HSS: ASTM A500, GRADE C (46/50 KSI) OR A1085 GRADE A (50 KSI)
 - B. STRUCTURAL PIPE: ASTM A53, GRADE B (35 KSI)
 - C. PLATES, BARS AND ANGLES: ASTM A36 UNO (36 KSI)
 - D. STRUCTURAL W, C, & MC SHAPES: ASTM A992 (50 KSI)
 - E. STRUCTURAL M & S SHAPES: ASTM A36 (36 KSI)
 - F. STRUCTURAL HP: ASTM A572 GRADE 50 (50 KSI)
 - G. ANCHOR RODS: ASTM F1554 GRADE 36 (36 KSI)
- M-3 PROVIDE MINIMUM 3/4" DIAMETER ASTM F3125 GRADE A325 TYPE 1 OR GRADE F1852 TYPE 1 HIGH STRENGTH BOLTS WITH SNUG TIGHTENED TYPE N CONNECTIONS FOR STRUCTURAL STEEL UNLESS NOTED OTHERWISE. HOLES FOR BOLTS SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.
- M-4 PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS UNLESS NOTED OTHERWISE.
- M-5 DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ARE TO BE ENCASED IN CONCRETE.
- M-6 ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION.
- M-7 FILLET WELD SIZES SHALL NOT BE LESS THAN THE MINIMUM SIZE REQUIRED BY AISC CODE FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH, AND NOT LESS THAN 3/16".
- M-8 ALL WELDS SHALL BE PERFORMED IN THE SHOP UNLESS NOTED BY A FIELD WELD SYMBOL OR APPROVED BY THE ENGINEER.
- M-9 BOTTOM SURFACES OF BASE PLATES SHALL BE GROUTED TO ENSURE FULL BEARING CONTACT WITH CONCRETE SLAB.
- M-10 WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 0.25 OF FASTENER SPACING FROM EACH END.
- M-11 GRATING PANELS SHALL BE CONFINED TO PREVENT MOVEMENT PER STANDARD DETAIL 0553004. SOLE USE OF GRATING CLIP ATTACHMENT IS NOT ACCEPTABLE TO PREVENT GRATING MOVEMENT.



ABBREVIATIONS

ADDL	ADDITIONAL	GALV	GALVANIZED	R	RADIUS/ RISER
ADH	ADHESIVE	GR	GRADE	REF	REFERENCE
AL	ALUMINUM			REINF	REINFORCING
ARCH	ARCHITECTURAL	H	HEIGHT	REQD	REQUIRED
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HORZ	HORIZONTAL	S	SOUTH
		HPT	HIGH POINT	SECT	SECTION
		HSS	HOLLOW STRUCTURAL SECTION	SHT	SHEET
BLDG	BUILDING			SO	SQUARE
BOT	BOTTOM	IN	INCH	SST	STAINLESS STEEL
				STIR	STIRRUP
CL	CENTER LINE/CHLORINE	JT	JOINT	STL	STEEL
CLR	CLEAR			STR	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	L	ANGLE	T	TREAD
COL	COLUMN	LB	POUND	T&B	TOP AND BOTTOM
CONC	CONCRETE	LF	LINEAR FEET	THK	THICKNESS
CONST	CONSTRUCTION	LG	LONG	TOC	TOP OF CONCRETE
CONT	CONTINUOUS	LL	LIVE LOAD	TOG	TOP OF GRATING
		LLH	LONG LEG HORIZONTAL	TOS	TOP OF STEEL
		LLV	LONG LEG VERTICAL	TOW	TOP OF WALL
		LPT	LOW POINT	TYP	TYPICAL
DET	DETAIL	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
DIA (Ø)	DIAMETER	MIN	MINIMUM	VERT	VERTICAL
DIM	DIMENSION	MISC	MISCELLANEOUS		
DL	DEAD LOAD	N	NORTH		
DWG	DRAWING	NA	NOT APPLICABLE	W	WEST/ WIDTH
DWL	DOWEL	NTS	NOT TO SCALE	W/	WITH
		NS	NEAR SIDE	WF	WIDE FLANGE
				WT	WEIGHT
		OC	ON CENTER	WP	WORK POINT
		OPNG	OPENING		
		OPP	OPPOSITE		
		PL	PROPERTY LINE/ PLATE		
		PSF	POUNDS PER SQUARE FOOT		
FD	FLOOR DRAIN				
FDN	FOUNDATION				
FT	FEET				
FTG	FOOTING/ FITTING				
FS	FAR SIDE				

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				CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.						SCALE: NONE
											SHEET NO. OF No. 80
A	7/23	CONFORMED	CR			DRAWING NO.					
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D			S0-001					

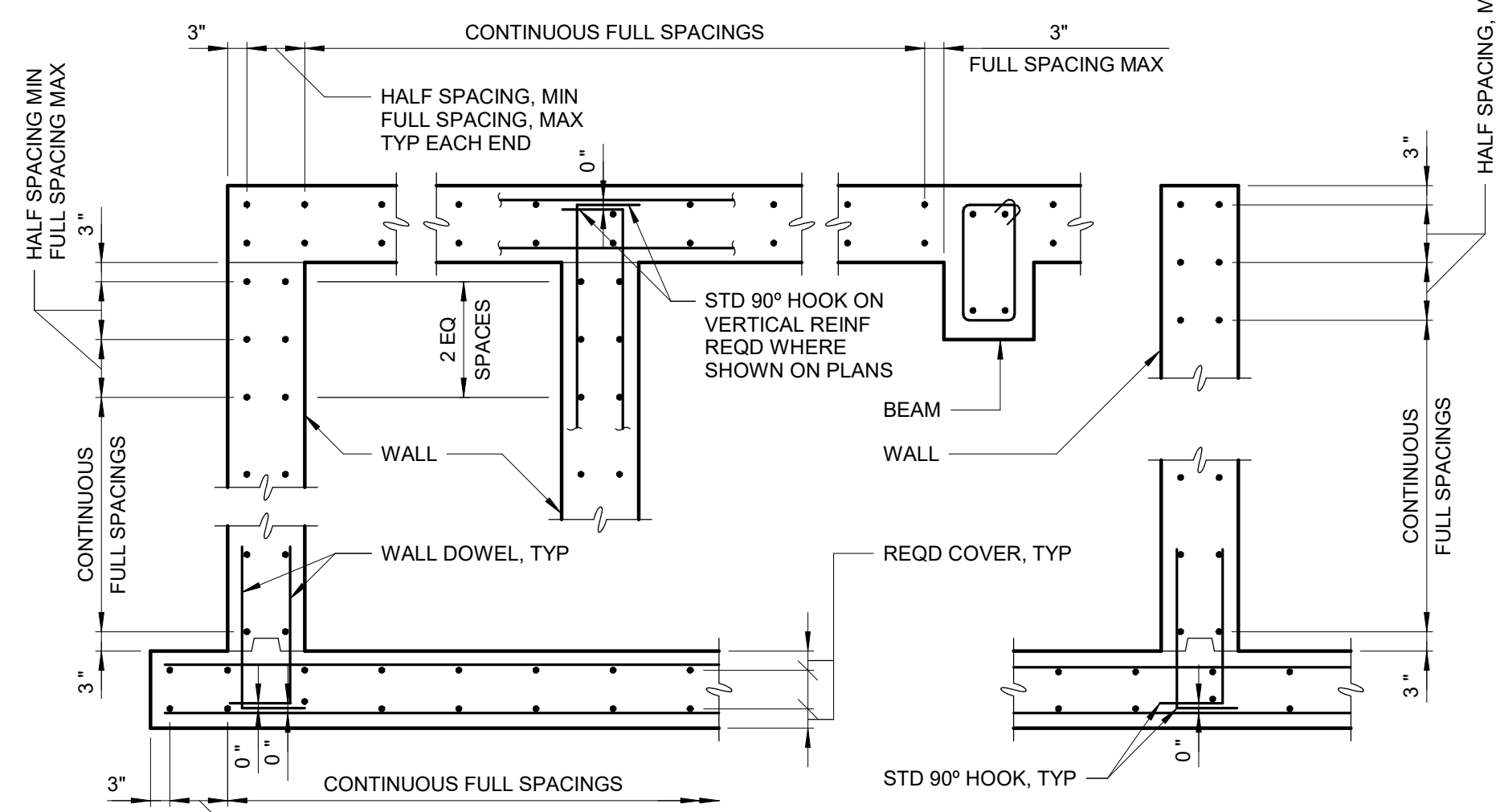
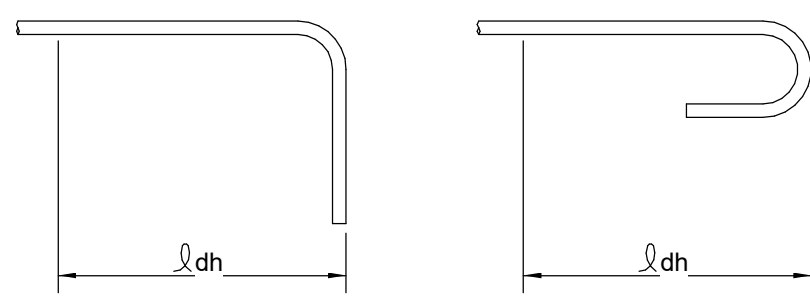
DEVELOPMENT LENGTH OF STANDARD HOOKS

FOR UNCOATED BARS IN TENSION

$f_y = 60,000 \text{ psi}$ $f_c' = 4000 \text{ psi OR GREATER}$

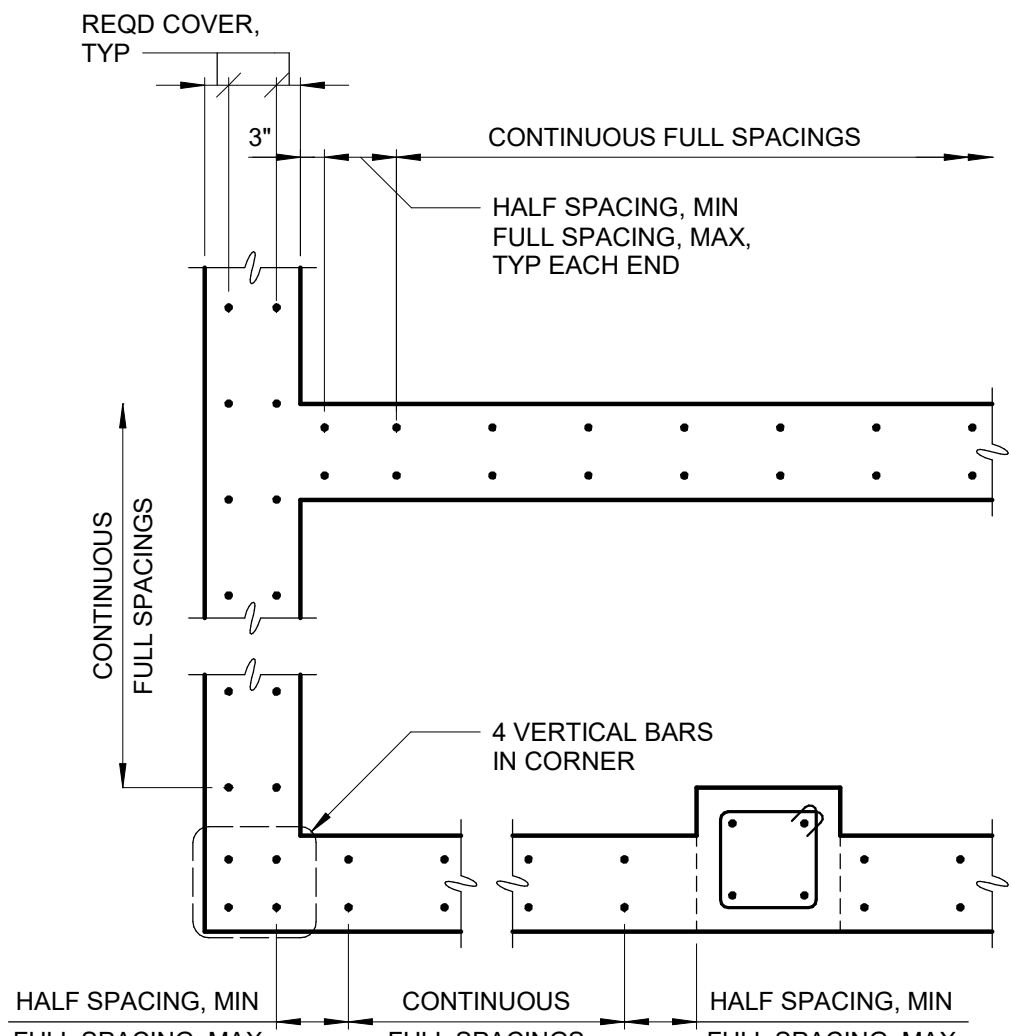
BAR SIZE	DEVELOPMENT LENGTH, l_{dh}	
	BASIC	W/ CONC COVER *
#3	8"	6"
#4	10"	7"
#5	1'-0"	9"
#6	1'-3"	11"
#7	1'-5"	1'-0"
#8	1'-7"	1'-2"
#9	1'-10"	1'-4"
#10	2'-1"	1'-6"
#11	2'-3"	1'-7"

* SIDE COVER NORMAL TO PLANE OF HOOK AT LEAST 2 1/2"; AND FOR 90° HOOK, END COVER BEYOND OUTSIDE END OF HOOK AT LEAST 2".



SECTION - WALLS AND SLABS

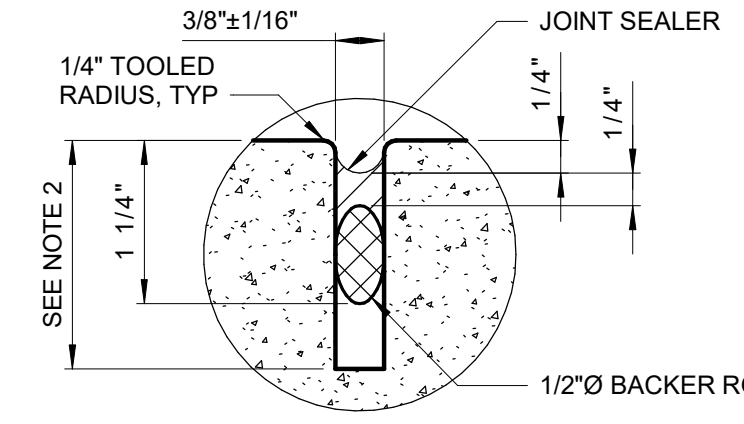
BAR PLACEMENT
0331704



PLAN - WALLS

NOTES:

- VERTICAL JOINTS SHALL BE FORMED BY AN APPROVED JOINT INSERT. HORIZONTAL JOINTS SHALL BE FORMED BY AN APPROVED JOINT INSERT OR SAWCUTTING PERFORMED PER SPECIFICATION.
- DEPTH SHALL BE 1 1/2" IN REINF CONC DEPTH SHALL BE 1/3 OF CONCRETE THICKNESS IN UNREINFORCED CONCRETE PAVEMENT.



TYPICAL SEALED JOINT
0325101

NOTES:

- THIS DETAIL APPLIES FOR OPENINGS 8"Ø AND LARGER. FOR SMALLER OPENINGS, BEND BARS OR ADJUST SPACING OF REINFORCEMENT TO AVOID OPENING.
- PLACE EXTRA BARS OF THE SAME SIZE AS THE INTERRUPTED BARS AT EACH SIDE OF OPENING. QUANTITY OF EXTRA BARS AT EACH SIDE SHALL EQUAL HALF THE QUANTITY OF INTERRUPTED BARS EXCEPT WHERE NOTED OTHERWISE.
- PROVIDE ONE DIAGONAL BAR EACH SIDE OF OPENING WITH SIZE EQUAL TO MAIN REINFORCEMENT, TYPICAL EACH FACE.
- WHERE INVERT OF OPENING IN WALL IS LESS THAN 44 BAR DIAMETERS FROM TOP OF SLAB, EXTRA REINFORCEMENT ON EACH SIDE SHALL INCLUDE DOWELS EMBEDDED INTO SLAB WITH STANDARD 90 DEGREE HOOKS TO SPLICE WITH EXTRA VERTICAL REINFORCEMENT. DOWELS SHALL ALSO STILL BE PROVIDED BELOW OPENING.
- WHERE INVERT OF OPENING IN WALL OR SLAB IS CLOSER THAN 44 BAR DIAMETERS TO EDGE OF SLAB OR BOTTOM OF WALL, EXTRA DIAGONAL BARS MAY BE TERMINATED TWO INCHES FROM EDGE OF SLAB OR BOTTOM OF WALL. DOWELS DO NOT HAVE TO BE PROVIDED TO SPLICE WITH DIAGONAL BARS.

REINFORCING AT OPENINGS
0331703

BASIC DEVELOPMENT LENGTH AND SPLICE LENGTH

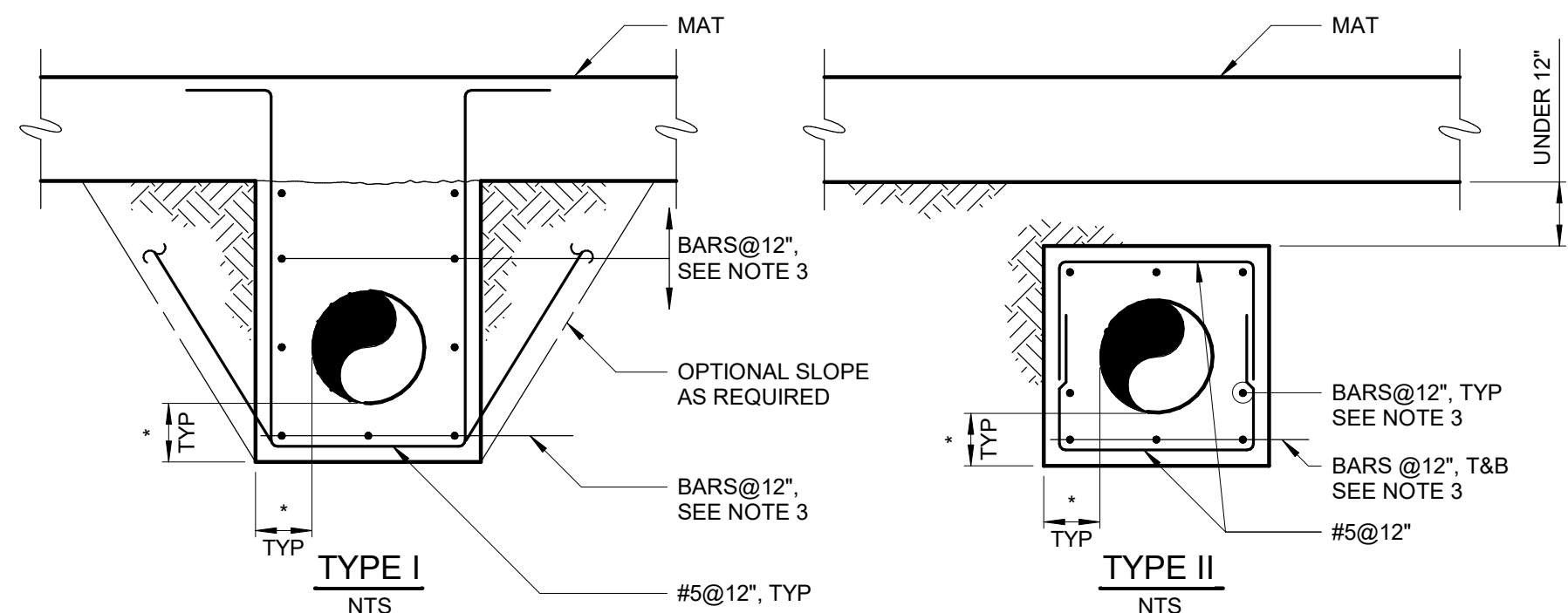
FOR UNCOATED BARS IN TENSION

** BASED ON MATERIALS AND CONDITIONS AS FOLLOWS:
 $f_y = 60,000 \text{ psi}$ $f_c' = 4000 \text{ psi OR GREATER}$
CLEAR COVER ≥ 1.5 INCHES NORMAL WEIGHT CONCRETE

BASIC DEVELOPMENT LENGTH l_d				BAR SIZE	CLASS B SPLICE LENGTH $1.3 \times l_d$			
CLEAR SPACING $\geq 3"$		CLEAR SPACING $< 3"$			CLEAR SPACING $\geq 3"$		CLEAR SPACING $< 3"$	
BASIC	TOP *	BASIC	TOP *	BASIC	TOP *	BASIC	TOP *	
1'-0"	1'-0"	1'-0"	1'-4"	# 3	1'-0"	1'-3"	1'-4"	1'-8"
1'-0"	1'-3"	1'-7"	2'-1"	# 4	1'-3"	1'-8"	2'-1"	2'-9"
1'-3"	1'-7"	2'-4"	3'-0"	# 5	1'-7"	2'-0"	3'-0"	3'-11"
1'-6"	1'-11"	3'-1"	4'-0"	# 6	1'-11"	2'-5"	4'-0"	5'-2"
2'-5"	3'-1"	4'-11"	6'-4"	# 7	3'-1"	4'-0"	6'-4"	8'-3"
3'-0"	3'-11"	6'-0"	7'-9"	# 8	3'-11"	5'-1"	7'-9"	10'-1"
3'-8"	4'-9"	6'-9"	8'-9"	# 9	4'-9"	6'-3"	8'-9"	11'-4"
4'-6"	5'-10"	7'-7"	9'-10"	# 10	5'-10"	7'-7"	9'-10"	12'-9"
5'-5"	7'-0"	8'-5"	10'-11"	# 11	7'-0"	9'-1"	10'-11"	14'-2"

* TOP REINFORCEMENT IS ANY HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.

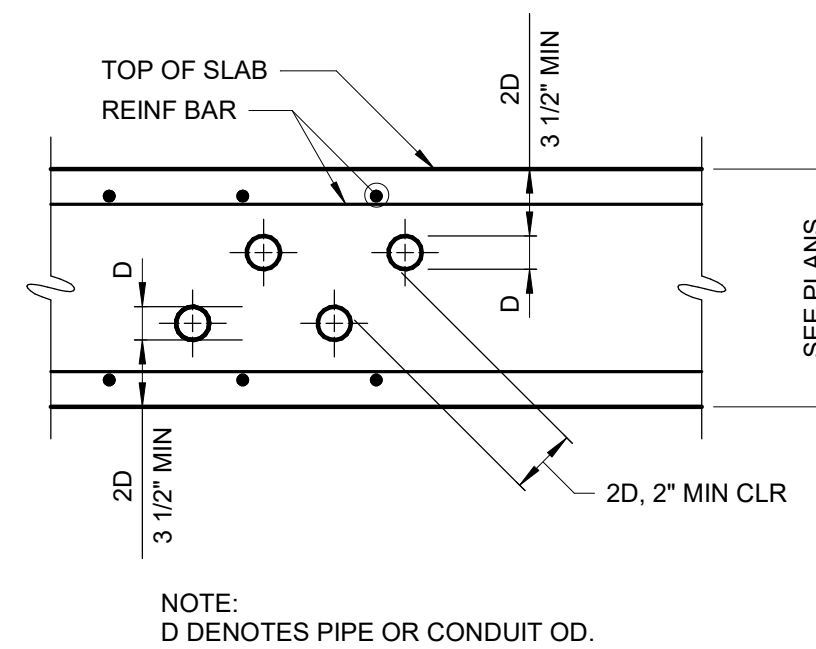
** FOR MATERIALS OR CONDITIONS DIFFERENT FROM THOSE STATED, LENGTHS SHOWN IN CHART SHALL BE MODIFIED TO CONFORM TO THE PROVISIONS OF ACI 318-14, SECTION 25.3.



- NOTE:
- TIE IN ALL PIPES & CONDUITS BELOW GROUND FLOOR SLAB WHEN PILE FOUNDATION IS UTILIZED. USE TYPE I.
 - * DENOTES 9" FOR PIPES LESS THAN 42", 12" FOR PIPES 42" TO 72" AND 18" FOR PIPES GREATER THAN 84".
 - FOR 9" ENCASEMENTS USE #5 BARS, FOR 12" ENCASEMENTS USE #6 BARS AND FOR 18" ENCASEMENTS USE #7 BARS.

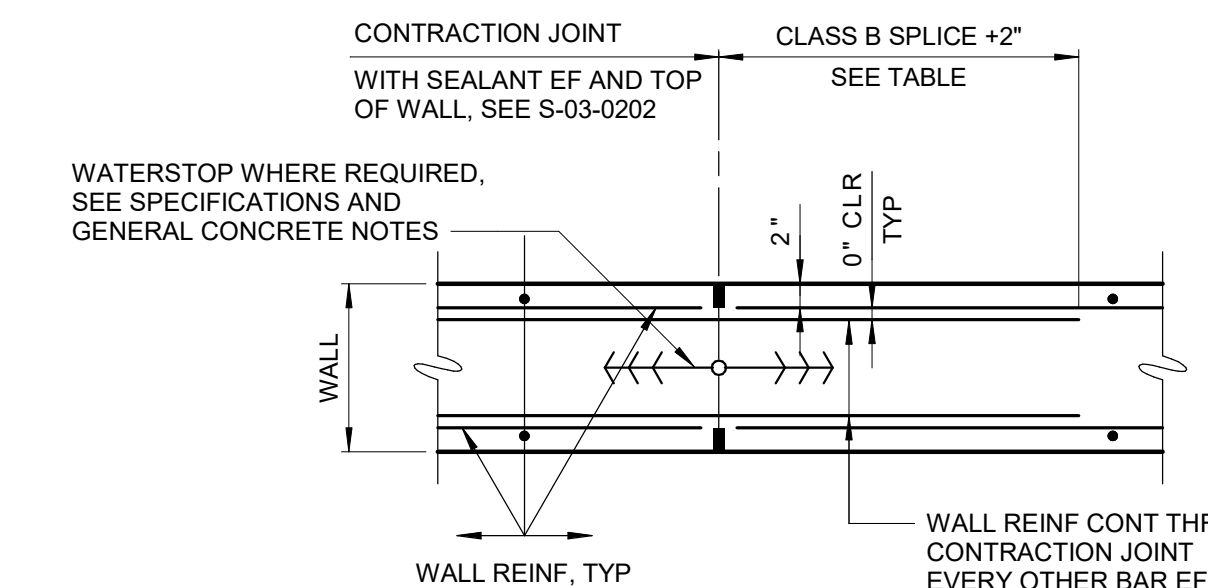
ALL PIPING AND CONDUITS BELOW SLABS ON EARTH TO BE ENCASED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.

PIPE ENCASEMENTS
0331606



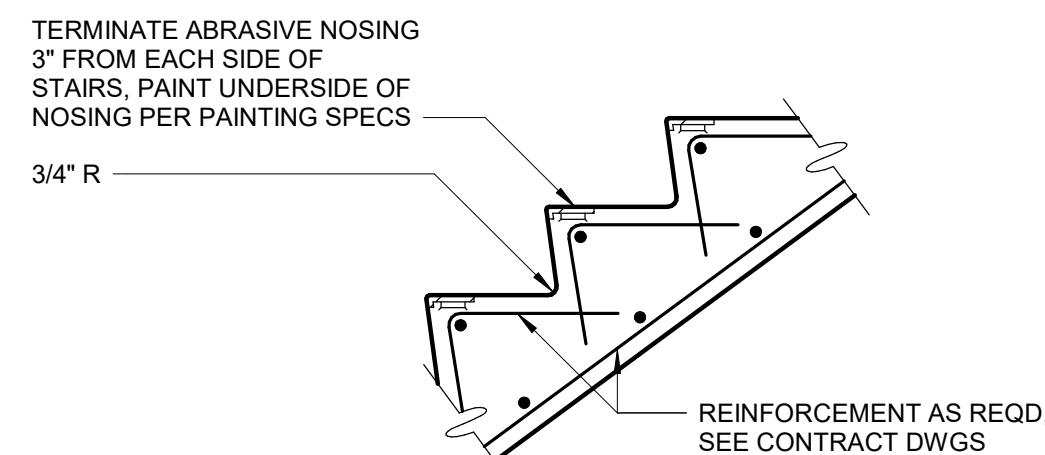
PIPE OR CONDUIT EMBEDDED IN SLAB
0331604

NOTE: D DENOTES PIPE OR CONDUIT OD.



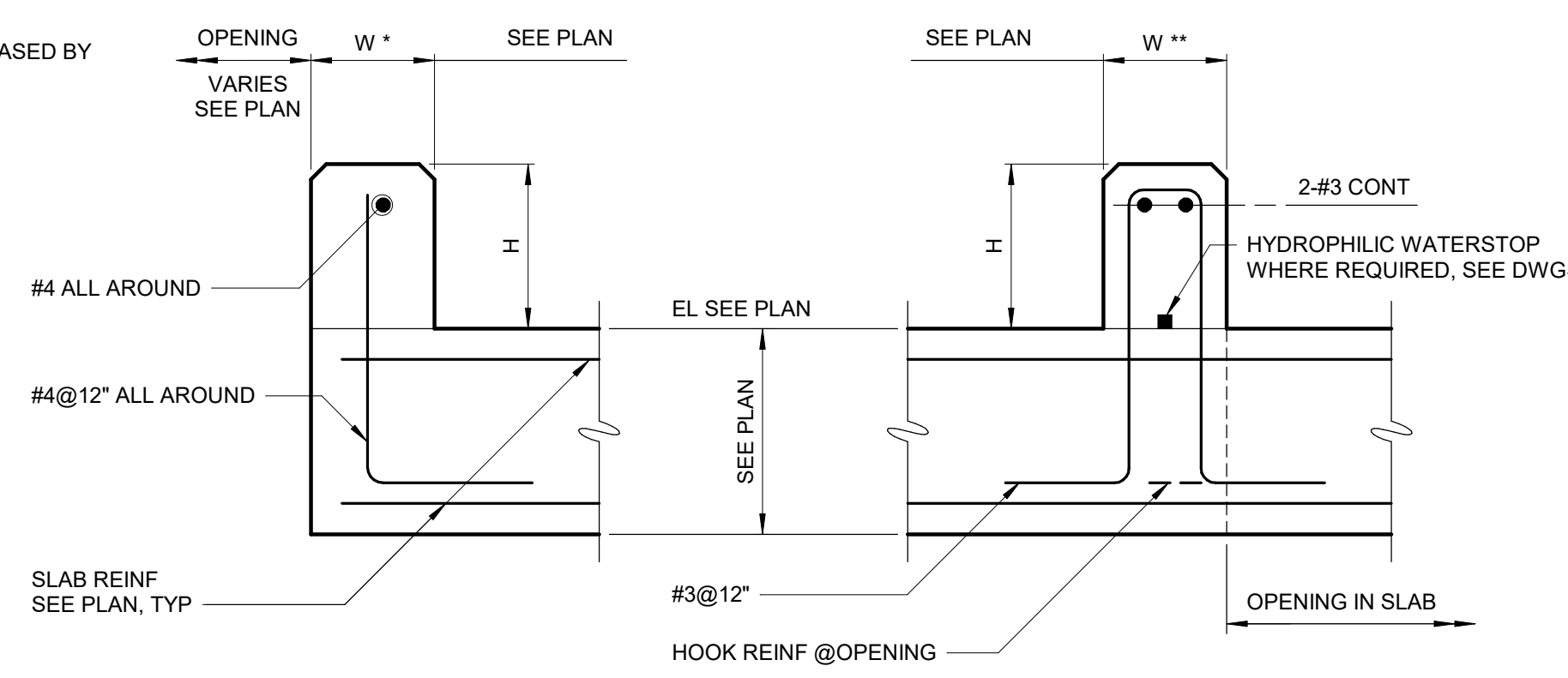
WALL CONTRACTION JOINT

0331713



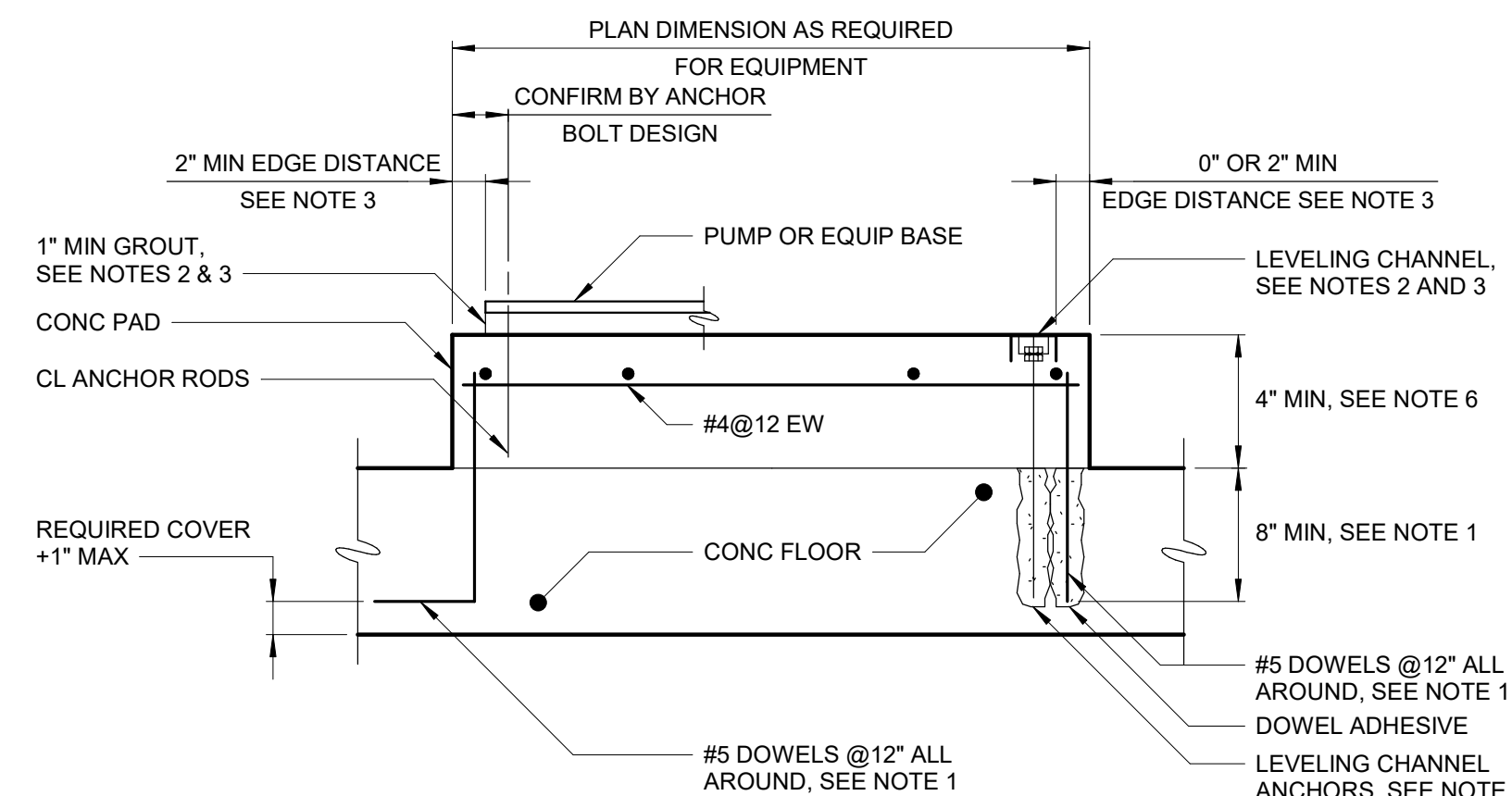
STAIR NOSING

0554000



NOTE: W* DENOTES CURBS LESS THAN 8" W** DENOTES CURBS EQUAL TO OR GREATER THAN 8" DOWELS MAY BE CAST IN OR ANCHORED WITH DOWEL ADHESIVE SYSTEM WITH A 6" MINIMUM EMBEDMENT. WHERE FLOOR IS 8" THICK OR LESS, USE DOWELS EMBEDDED TO WITHIN 2" OF BOTTOM OF FLOOR SLAB.

CONCRETE CURB
0331004



- NOTES:
- DOWELS MAY BE CAST IN WITH 90° HOOK OR ANCHORED WITH DOWEL ADHESIVE AT CONTRACTOR'S OPTION. WHERE FLOOR IS 8" THICK OR LESS, USE #4 DOWELS EMBEDDED TO WITHIN 2" OF BOTTOM OF FLOOR SLAB.
 - THE CONTRACTOR SHALL PROVIDE LEVELING CHANNELS AND LEVELING CHANNEL ANCHORS FOR SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS, AND SIMILAR EQUIPMENT WHEN REQUIRED TO MEET EQUIPMENT MANUFACTURER'S LEVELING TOLERANCES. THE CONTRACTOR SHALL PROVIDE 1" MINIMUM NON-SHRINK GROUT FOR PUMPS AND SIMILAR EQUIPMENT WHEN REQUIRED TO MEET EQUIPMENT MANUFACTURER'S UNIFORM BEARING AND LEVELING REQUIREMENTS.
 - PRIOR TO PLACING CONCRETE PAD, LEVELING CHANNEL SIZE AND MEANS OF INSTALLATION, ANCHORAGE, GROUT, CONCRETE EDGE DISTANCE, AND CONCRETE BLOCKOUTS REQUIREMENTS SHALL BE COORDINATED WITH EQUIPMENT MANUFACTURER.
 - COAT DISSIMILAR MATERIALS PER THE CONTRACT DOCUMENTS.
 - STAGGER CHANNEL ANCHORS AND PAD DOWELS.
 - FOR PADS 24" OR GREATER IN DEPTH, PROVIDE #4@8" HORIZONTAL SKIN REINFORCING AROUND PERIMETER OF PAD.

EQUIPMENT PAD
0331600

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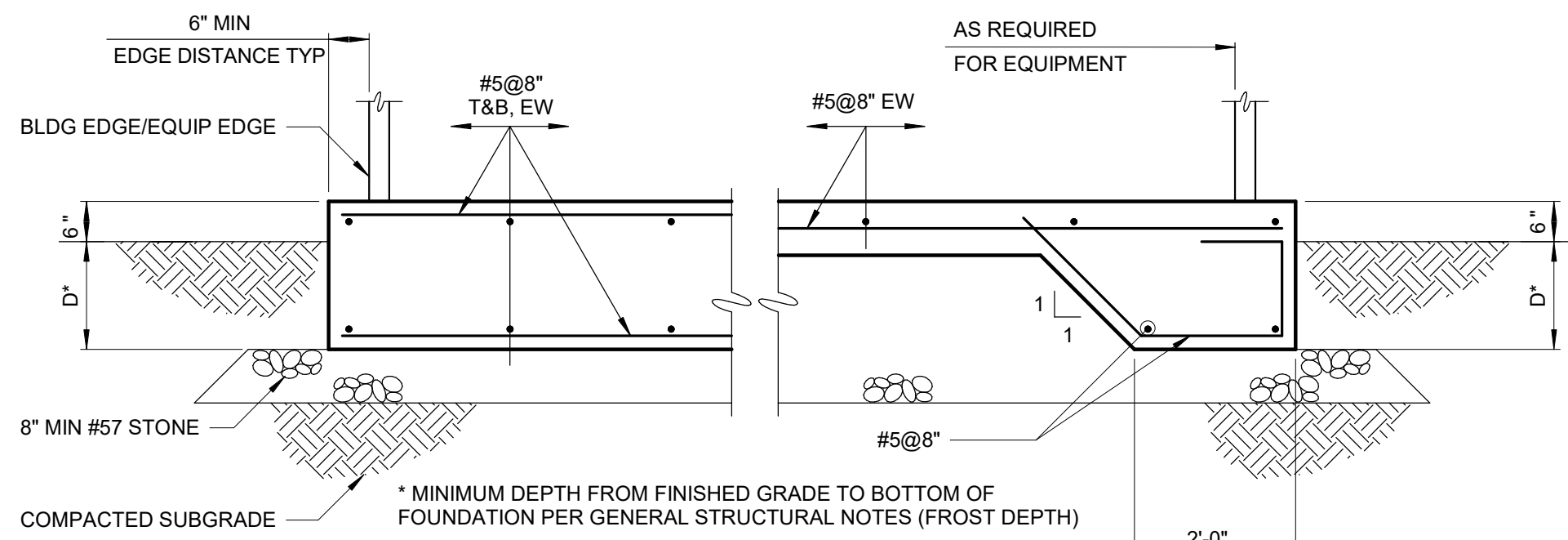
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2021
STRUCTURAL STANDARD DETAILS - SHEET 1	SCALE: SHEET NO: 31 OF No. 80
	DRAWING NO. S0-002

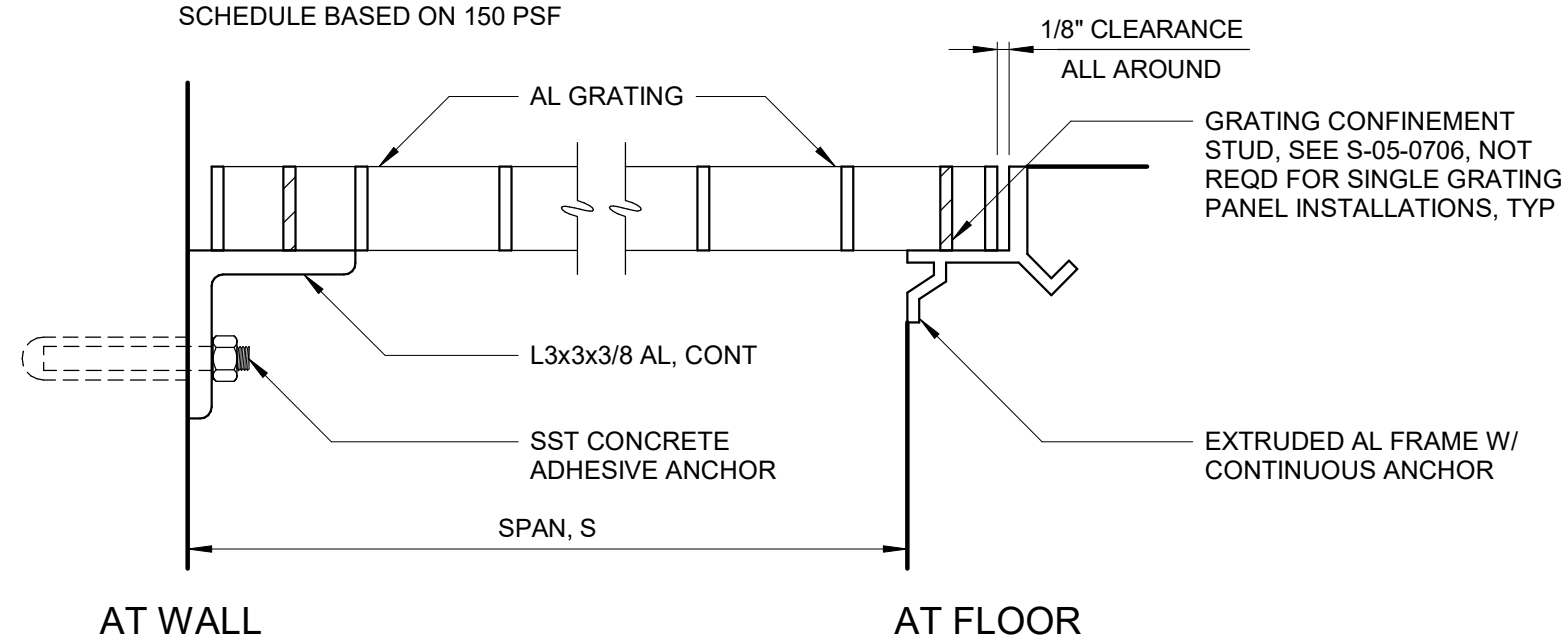


NOTE: UNLESS NOTED OTHERWISE, CONTRACTOR SHALL HAVE THE OPTION OF PLACING EQUIPMENT FOUNDATION WITH A CONSTANT THICKNESS OF D + 6" OR AS AN 8" SLAB WITH THICKENED EDGE AROUND THE FOUNDATION PERIMETER.

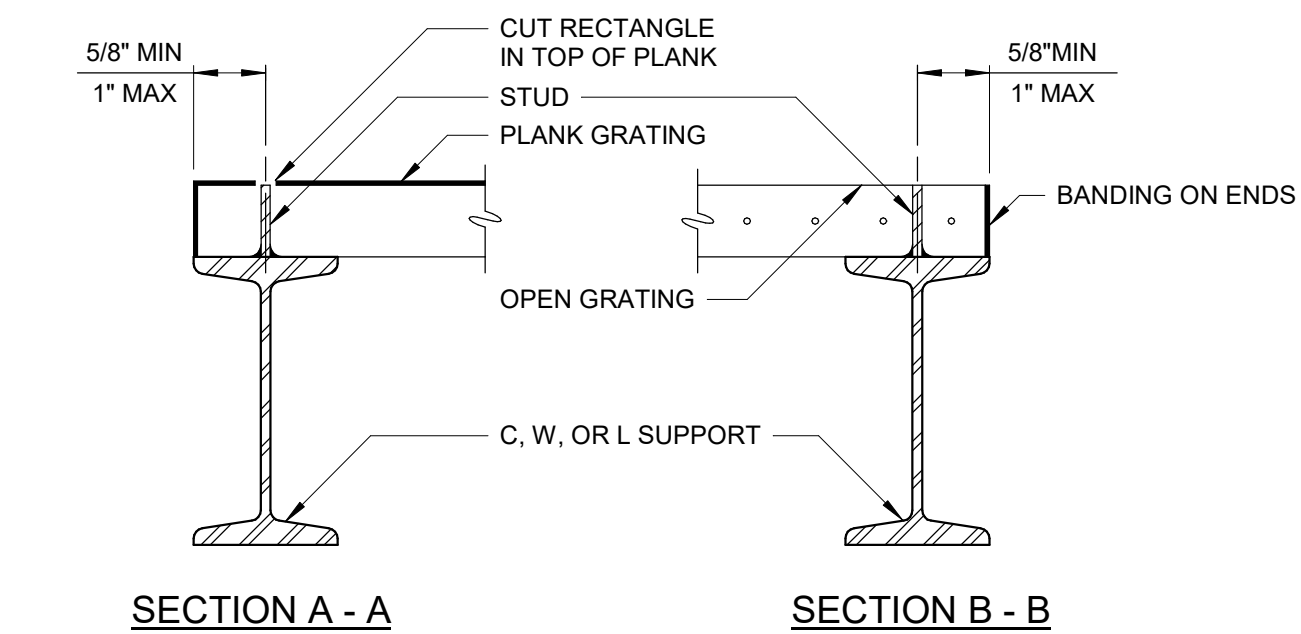
EXTERIOR EQUIPMENT FOUNDATION
0331607

SPAN, S	DEPTH (MIN)	CONCRETE ANCHOR (SIZE AND SPACING)
0'-0" < S ≤ 4'-0"	1 1/2"	1/2" Ø x 5 1/2" @ 18"
4'-0" < S ≤ 5'-0"	1 3/4"	
5'-0" < S ≤ 5'-6"	2"	
5'-6" < S ≤ 6'-0"	2 1/4"	
6'-0" < S ≤ 6'-6"	2 1/2"	5/8" Ø x 6" @ 18"

SCHEDULE BASED ON 150 PSF

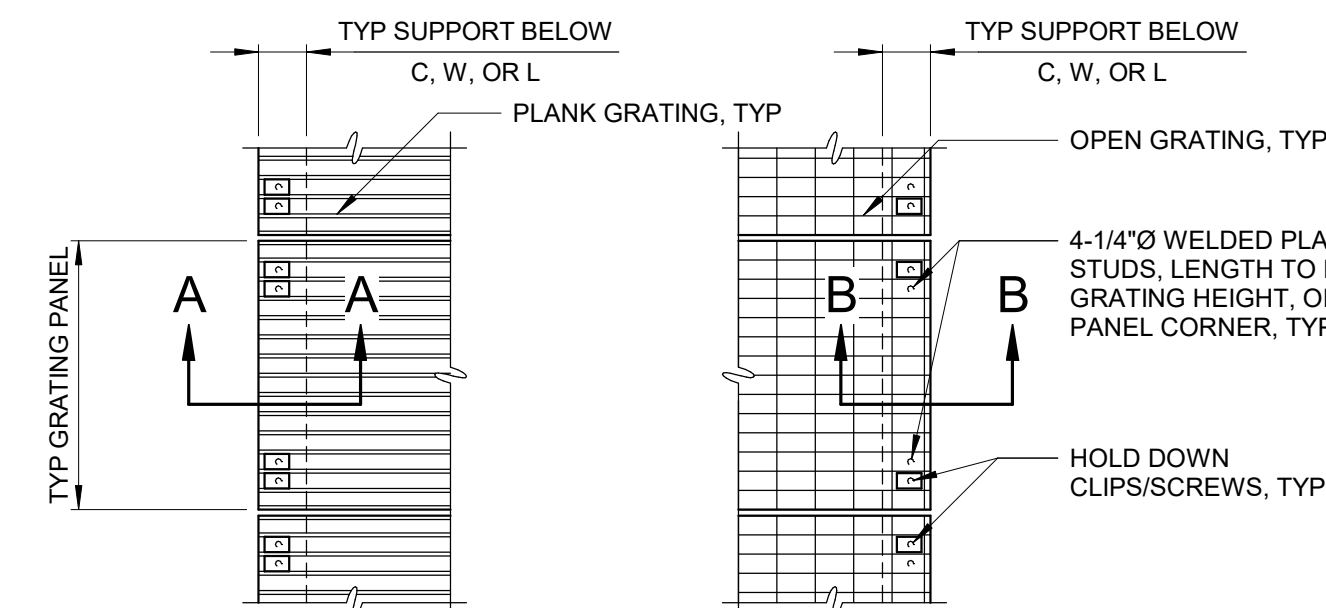


ALUMINUM GRATING
0553000



SECTION A - A

SECTION B - B

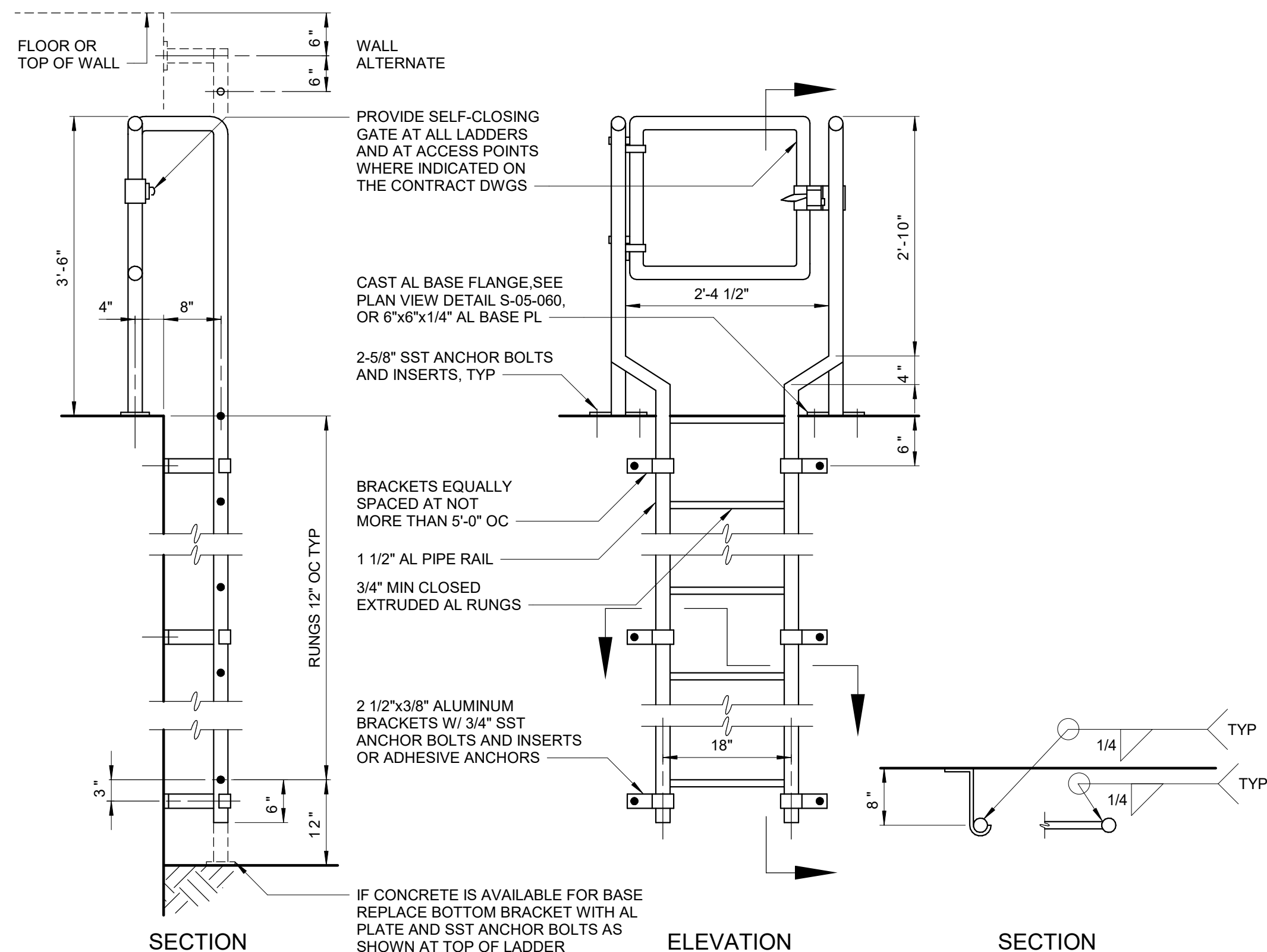


PLAN - PLANK GRATING

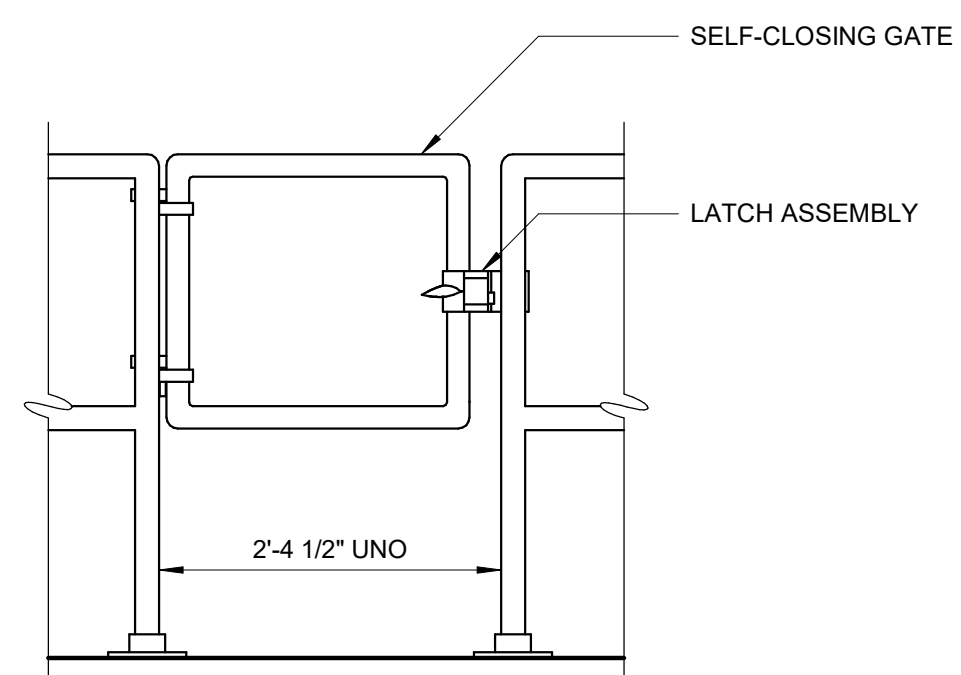
PLAN - OPEN GRATING

- NOTES:
- STUDS SHALL BE: METAL GRATING - 1/4" Ø WELDED PLAIN STUD OF SAME MATERIAL AS SUPPORT, WITH STUDS WELDED PER AWS REQUIREMENTS. RP GRATING - #14 SST TEK SCREWS, SELF-DRILLED INTO THE BASE MATERIAL.
 - INSTALLED STUD SHALL MATCH GRATING HEIGHT.
 - STUD SHALL BE PLACED BETWEEN CROSS BAR(S) AND/OR BEARING BARS.

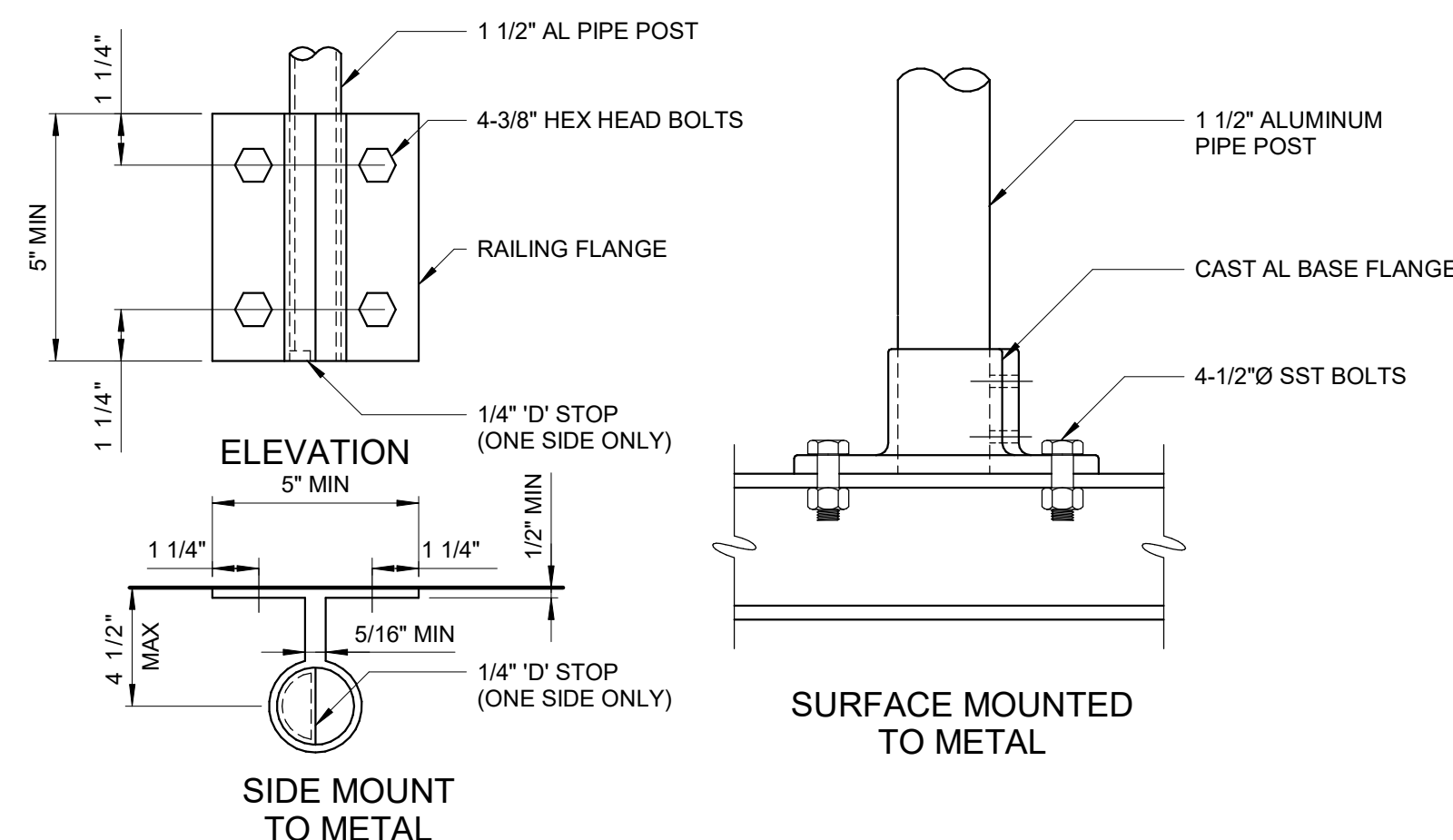
GRATING CONFINEMENT USING STUDS
0553004



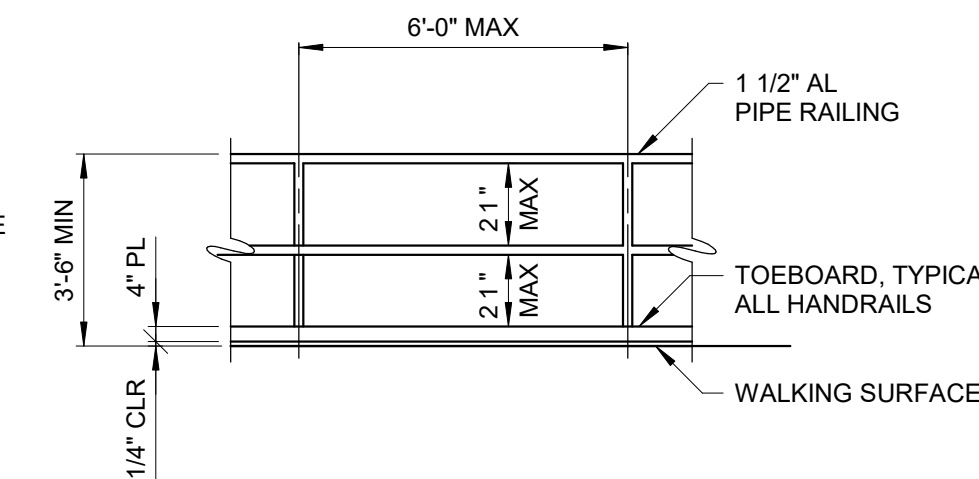
ALUMINUM LADDER
0551500



HANDRAIL GATE
0552002



ALUMINUM HANDRAILS
0552000



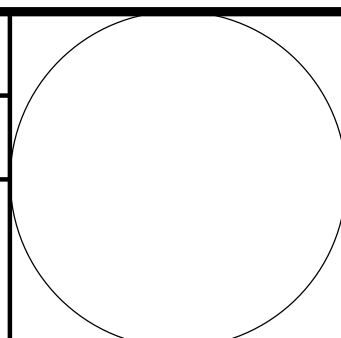
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PORTFOLIO MANAGER MARK DELBALZO, P.E.

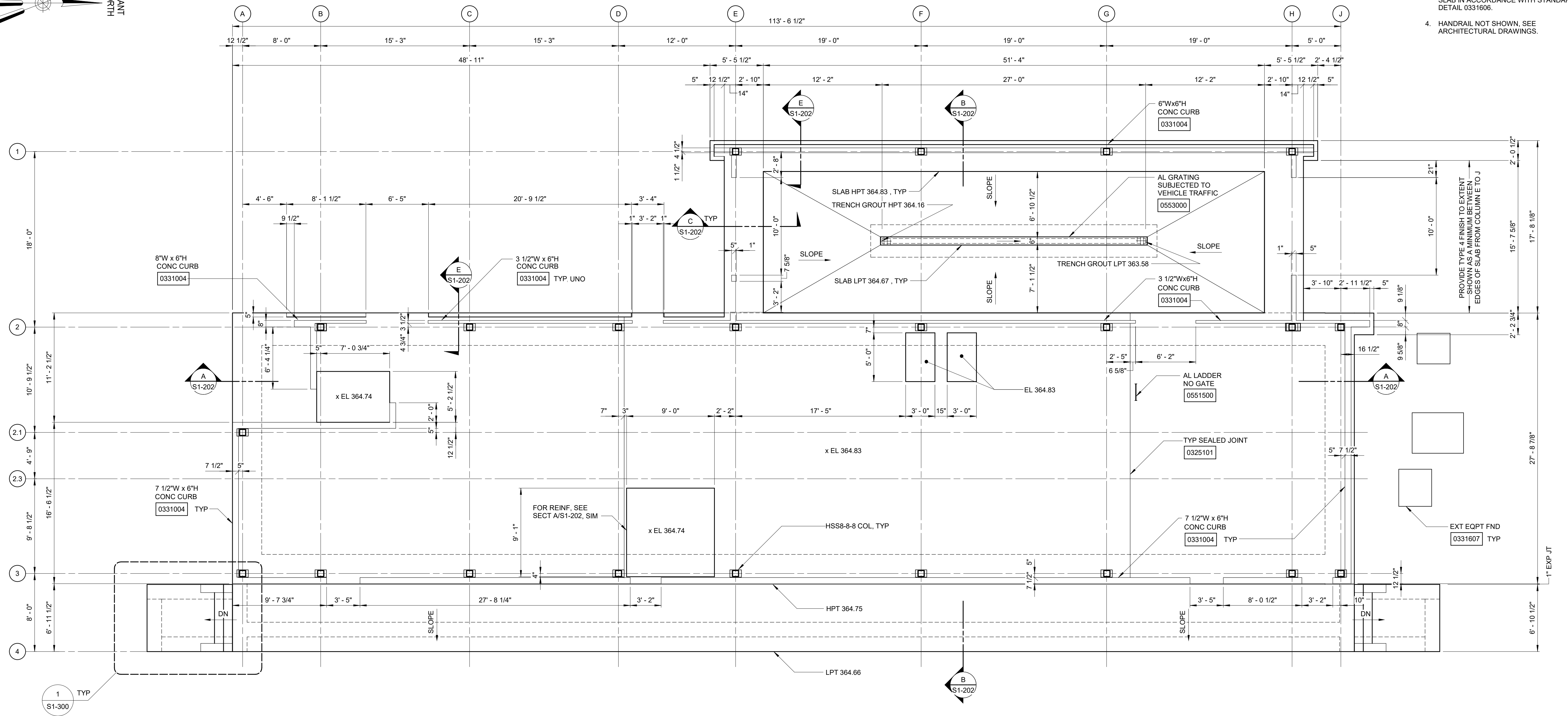
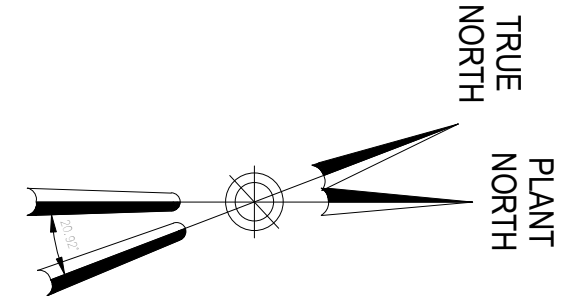
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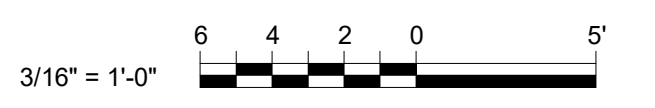
WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
STRUCTURAL STANDARD DETAILS - SHEET 2

DATE: JANUARY 2021
SCALE:
SHEET NO: 32 OF No. 80
DRAWING NO. S0-003

- NOTES:**
- FOR STANDARD NOTES, SEE SHEET S0-001.
 - FOR STANDARD DETAILS, SEE SHEETS S0-002 AND S0-003.
 - ENCASE ALL PIPING AND CONDUITS BELOW SLAB IN ACCORDANCE WITH STANDARD DETAIL 0331606.
 - HANDRAIL NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.

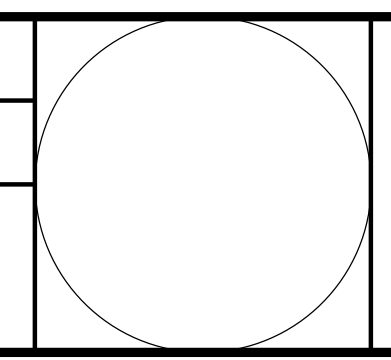


BOTTOM PLAN
3/16" = 1'-0"



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL BOTTOM PLAN	DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: 33 OF No. 80 DRAWING NO. S1-100

DESIGNED BY: J. EDER	DRAWN BY: R. KANDILAH		
CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.		
Hazen			
A	7/23	CONFORMED	CR
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D



Environmental Protection

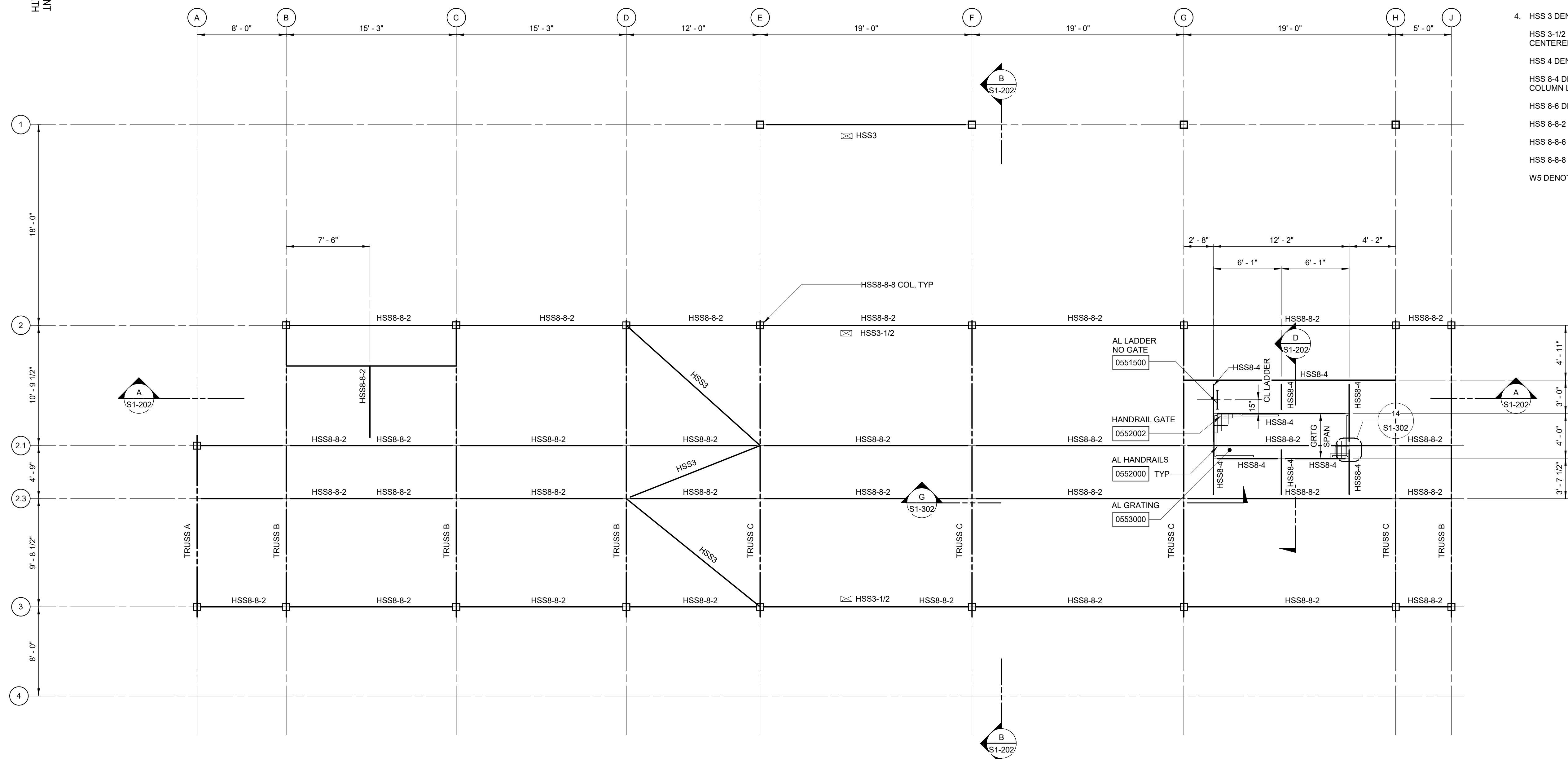
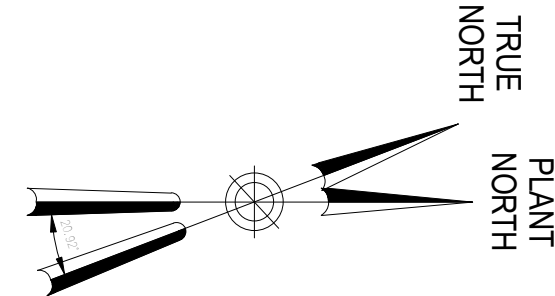
ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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VALHALLA, NEW YORK 10595-1336
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Autodesk Docs/050300_02A_CAT-423 W0-02A-Waterfowl Mgmt Program/050300_02A_S_WFB.rvt 7/20/2023 10:41:57 AM

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- NOTES:**
- FOR AESS REQUIREMENTS SEE DRAWING S1-300.
 - TOP OF STEEL 374.50, UNLESS NOTED OTHERWISE.
 - ☒ DENOTES VERTICAL BRACING.
 - HSS 3 DENOTES HSS3x3x1/4
 HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
 HSS 4 DENOTES HSS4x4x1/4
 HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 HSS 8-6 DENOTES HSS8x6x1/4
 HSS 8-8-2 DENOTES HSS8x8x1/4
 HSS 8-8-6 DENOTES HSS8x8x3/8
 HSS 8-8-8 DENOTES HSS8x8x1/2
 W5 DENOTES W5x19

BOTTOM CHORD PLAN
 3/16" = 1'-0"

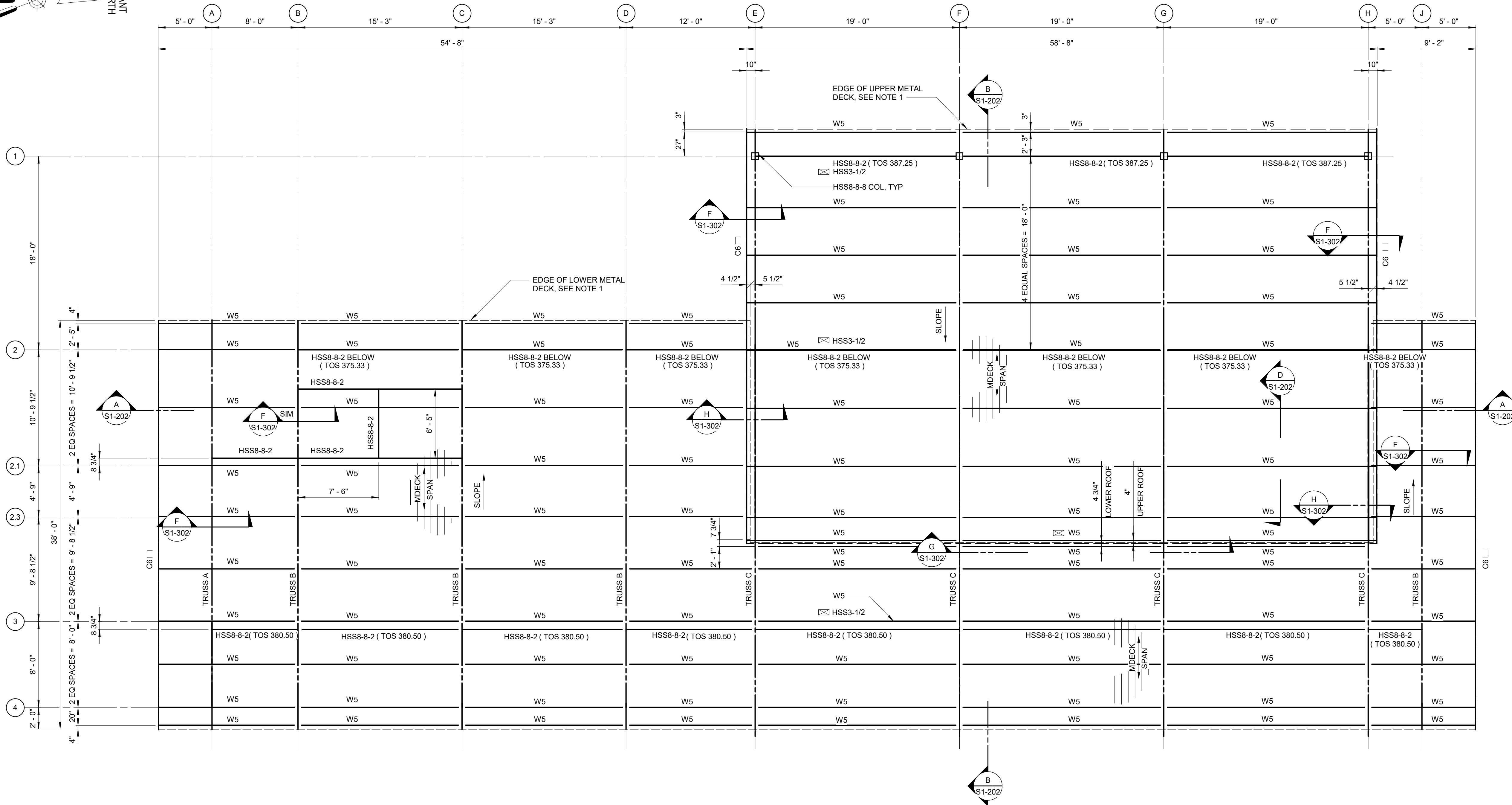
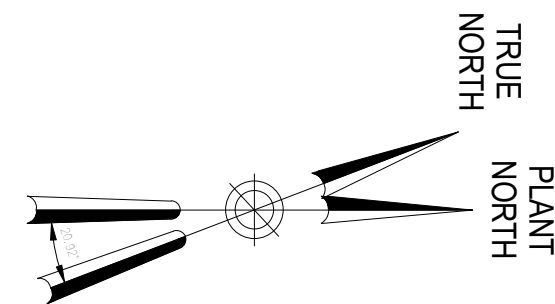


CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
	IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL BOTTOM CHORD PLAN	DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: 34 OF No. 80 DRAWING NO. S1-101

	DESIGNED BY: J. EDER	DRAWN BY: R. KANDILAH		ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION. 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION. 7209.2.*	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dcp	
	CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.		PORTFOLIO MANAGER MARK DELBALZO, P.E.			
A	7/23	CONFORMED	CR				
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D				

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- NOTES:**
- METAL DECKING SHALL BE 1.5B 22 GAGE. FASTENER PATTERN SHALL BE 3/4" 5/8" PUDDLE WELDS WITH 3 #10 TEK SCREWS AT SIDELAPS PER SPAN EQUALLY SPACED. PROVIDE 5/8" PUDDLE WELDS AT 12" SPACING TO STEEL BEAMS AROUND THE PERIMETER.
 - FOR AESS REQUIREMENTS SEE DRAWING S1-300.
 - ☒ DENOTES VERTICAL BRACING.
 - SEE STEEL ELEVATIONS FOR TOP OF STEEL.
 - HSS 3 DENOTES HSS3x3x1/4
 HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
 HSS 4 DENOTES HSS4x4x1/4
 HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 HSS 8-6 DENOTES HSS8x6x1/4 PLACE 6" SIDE HORZ
 HSS 8-8-2 DENOTES HSS8x8x1/4
 HSS 8-8-6 DENOTES HSS8x8x3/8
 HSS 8-8-8 DENOTES HSS8x8x1/2
 W5 DENOTES W5x19
 C6 DENOTES C6x10.5

TOP CHORD PLAN

3/16" = 1'-0"



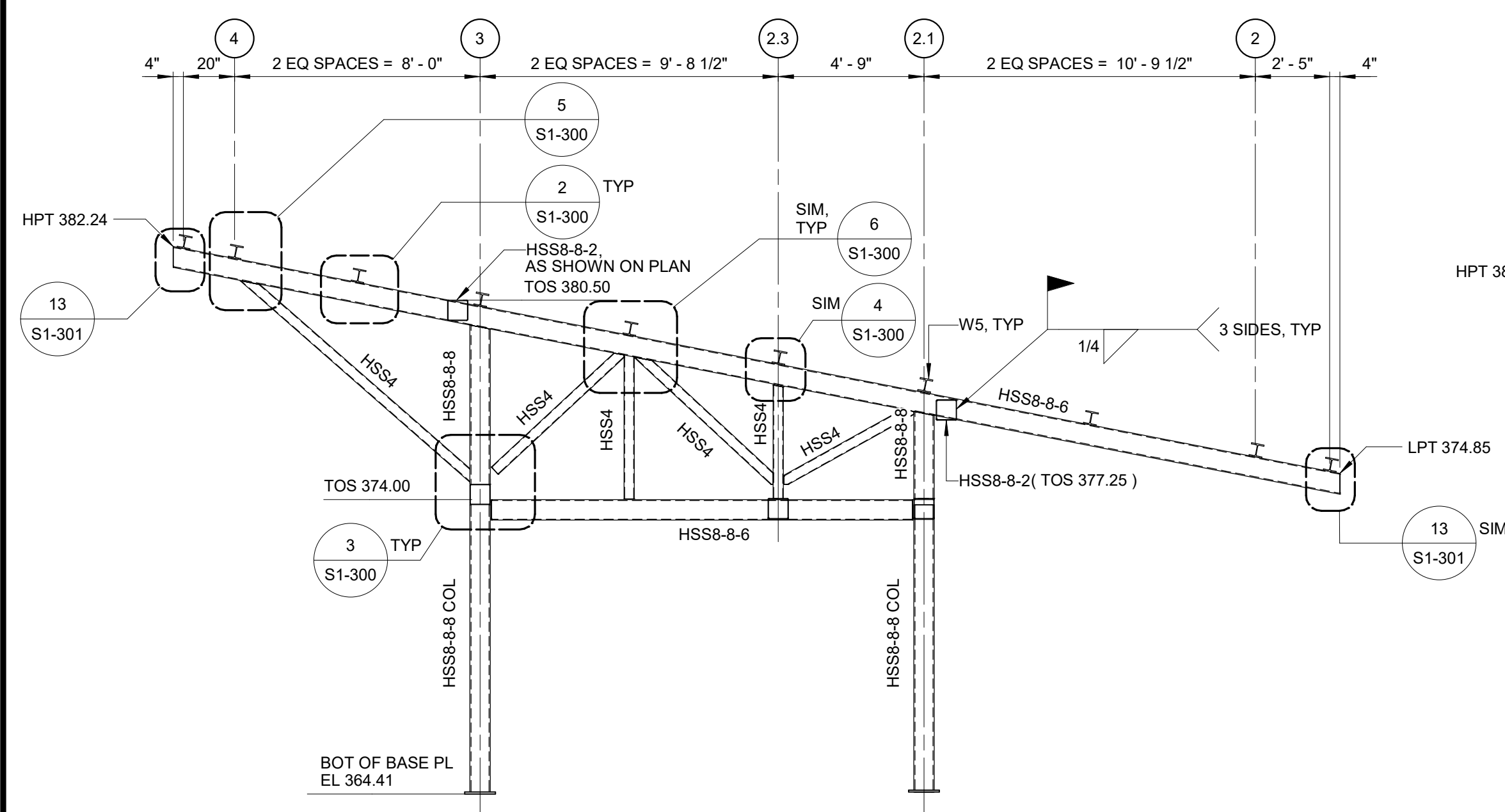
CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL TOP CHORD PLAN	DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: <div style="text-align: center;">35 OF No. 80</div> DRAWING NO. <div style="text-align: center;">S1-102</div>

	DESIGNED BY: J. EDER	DRAWN BY: R. KANDILAH		ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION. 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION. 7209.2.*	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dcp
	CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.		PORTFOLIO MANAGER MARK DELBALZO, P.E.		
A 7/23 CONFORMED CR NO. DATE REVISIONS/DESCRIPTION APPR'D						

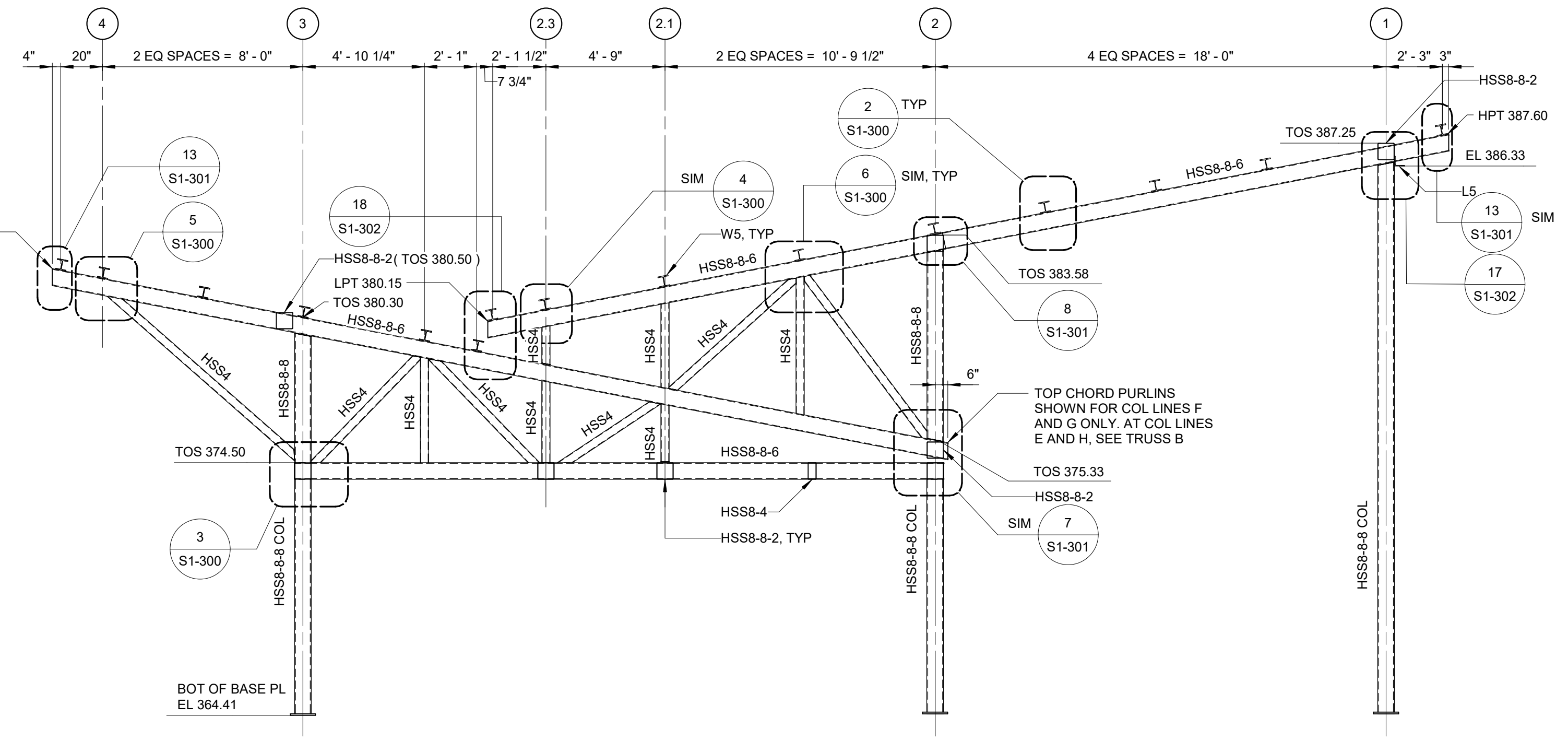
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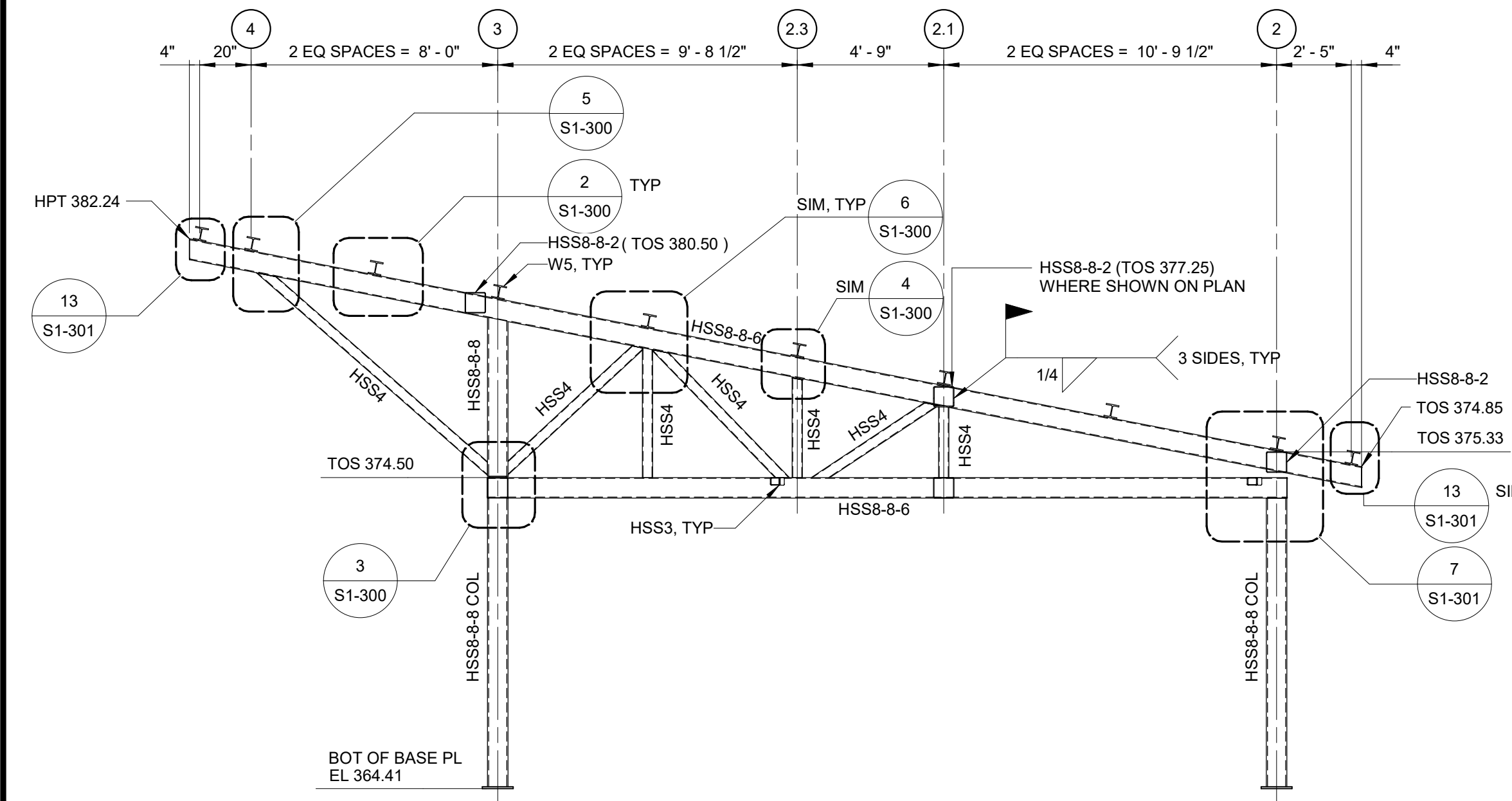
- NOTES:**
- HSS 3 DENOTES HSS3x3x1/4
 - HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
 - HSS 4 DENOTES HSS4x4x1/4
 - HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 - HSS 8-6 DENOTES HSS8x6x1/4
 - HSS 8-8-2 DENOTES HSS8x8x1/4
 - HSS 8-8-6 DENOTES HSS8x8x3/8
 - HSS 8-8-8 DENOTES HSS8x8x1/2
 - W5 DENOTES W5x19
 - L5 DENOTES L5x5x1/8



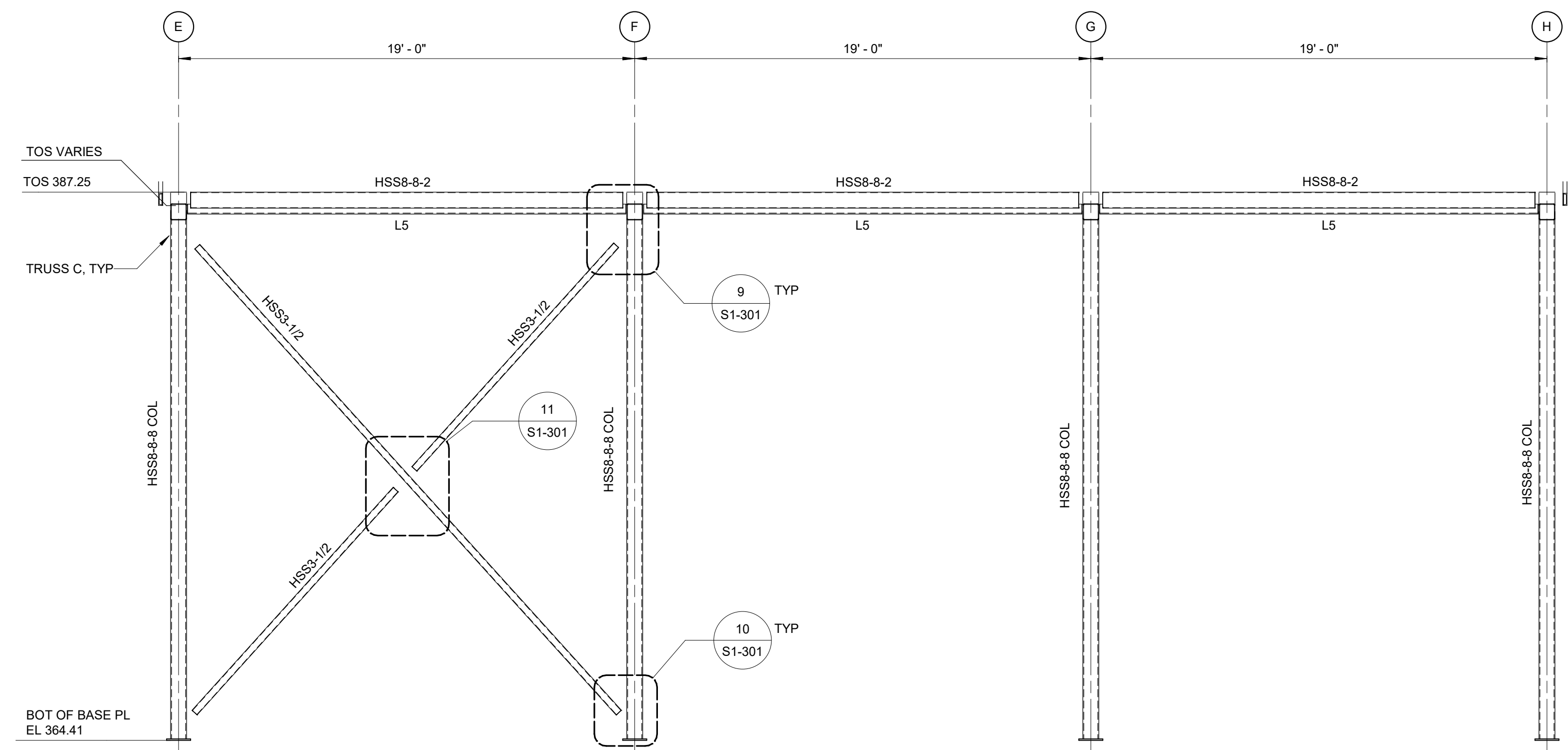
TRUSS A
1/4" = 1'-0"



TRUSS C
1/4" = 1'-0"



TRUSS B
1/4" = 1'-0"

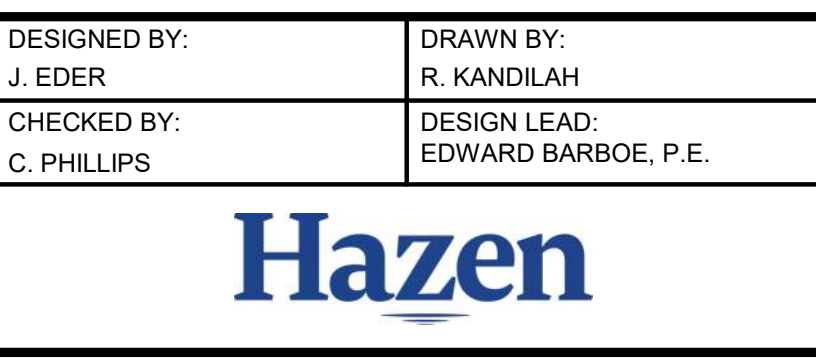


COL LINE 1
1/4" = 1'-0"



CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL STEEL ELEVATIONS	DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: 36 OF No. 80 DRAWING NO. S1-200

DESIGNED BY: J. EDER	DRAWN BY: R. KANDILAH
CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.
Hazen	
A 7/23 CONFORMED CR	
NO. DATE	REVISIONS/DESCRIPTION APPR'D



ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

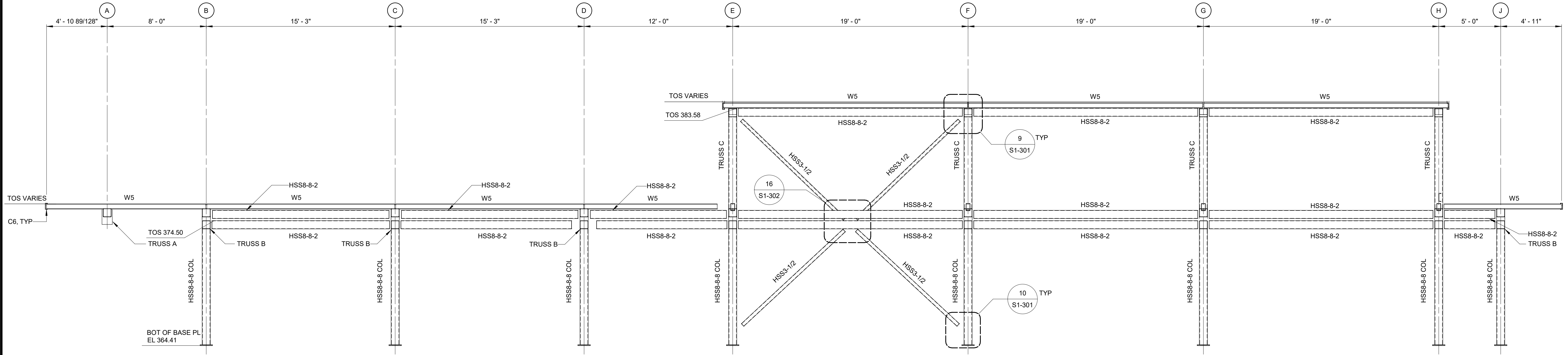
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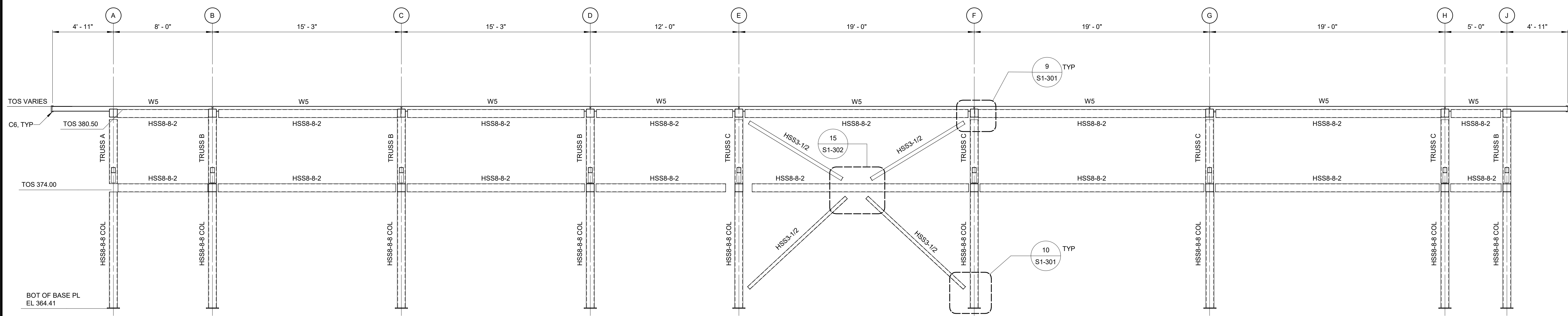
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All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

- NOTES:**
- 1. HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
 - HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 - HSS 8-6 DENOTES HSS8x6x1/4
 - HSS 8-8-2 DENOTES HSS8x8x1/4
 - HSS 8-8-6 DENOTES HSS8x8x3/8
 - HSS 8-8-8 DENOTES HSS8x8x1/2
 - W5 DENOTES W5x19
 - C6 DENOTES C6x10.5



COL LINE 2
1/4" = 1'-0"



COL LINE 3
1/4" = 1'-0"

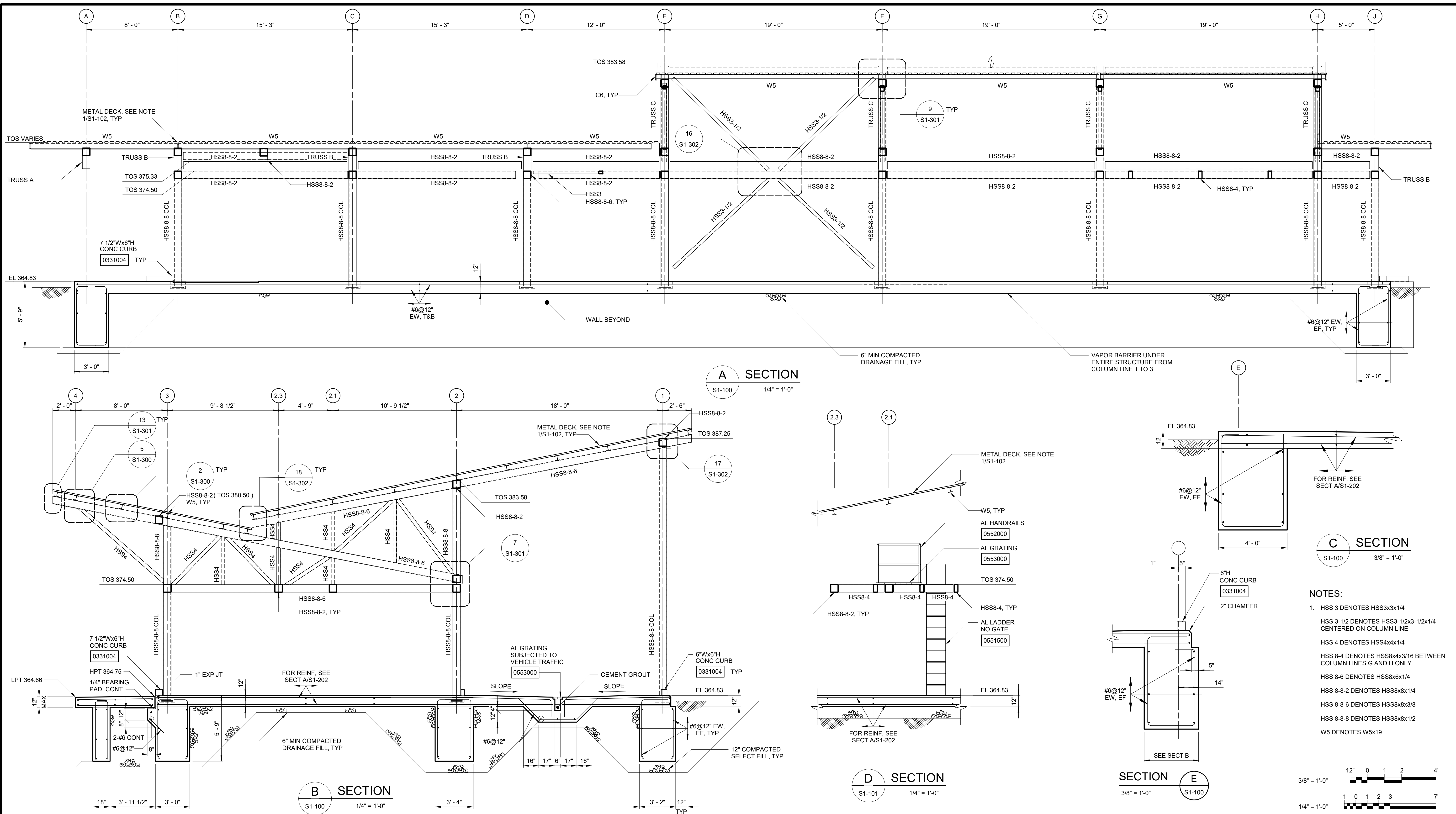


CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
	IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL STEEL ELEVATIONS	DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: <div style="text-align: center;">37 OF No. 80</div> DRAWING NO. <div style="text-align: center;">S1-201</div>

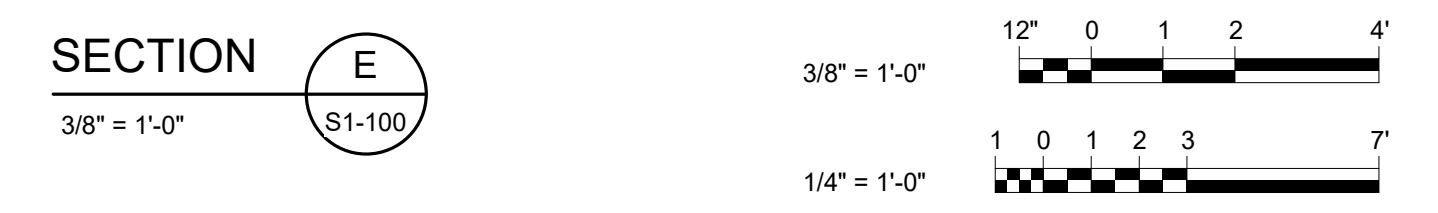
	DESIGNED BY: J. EDER CHECKED BY: C. PHILLIPS	DRAWN BY: R. KANDILAH DESIGN LEAD: EDWARD BARBOE, P.E.		ACCOUNTABLE MANAGER JOSE NIEVES PORTFOLIO MANAGER MARK DELBALZO, P.E.	"WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION. 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION. 7209.2."	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dcp
A 7/23 CONFORMED CR NO. DATE REVISIONS/DESCRIPTION APPR'D						

Autodesk Docs:069090_02A_CAT-423_W002A-Waterfowl Mgmt Program909090_02A_S_WFB.rvt
 7/20/2023 10:45:00 AM

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.



- NOTES:**
- HSS 3 DENOTES HSS3x3x1/4
 - HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
 - HSS 4 DENOTES HSS4x4x1/4
 - HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 - HSS 8-6 DENOTES HSS8x6x1/4
 - HSS 8-8-2 DENOTES HSS8x8x1/4
 - HSS 8-8-6 DENOTES HSS8x8x3/8
 - HSS 8-8-8 DENOTES HSS8x8x1/2
 - W5 DENOTES W5x19



CONFORMED SET

GRAPHIC SCALES
CHECK BEFORE USE

IF SHEET IS LESS THAN 22"x34"
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SCALE ACCORDINGLY

DESIGNED BY: J. EDER	DRAWN BY: R. KANDILAH
CHECKED BY: C. PHILLIPS	DESIGN LEAD: EDWARD BARBOE, P.E.
Hazen	

ACCOUNTABLE MANAGER JOSE NIEVES	PORTFOLIO MANAGER MARK DELBALZO, P.E.
------------------------------------	--



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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
STRUCTURAL SECTIONS

DATE: JANUARY 2021	SCALE: AS NOTED
SHEET NO: 38	OF No. 80
DRAWING NO. S1-202	

Autodesk Docs/050300_02A_CAT-423 WOC-02A-Waterfowl Mgmt Program/050300_02A_S_WFB.rvt
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HSS SEAM LOCATION SCHEDULE

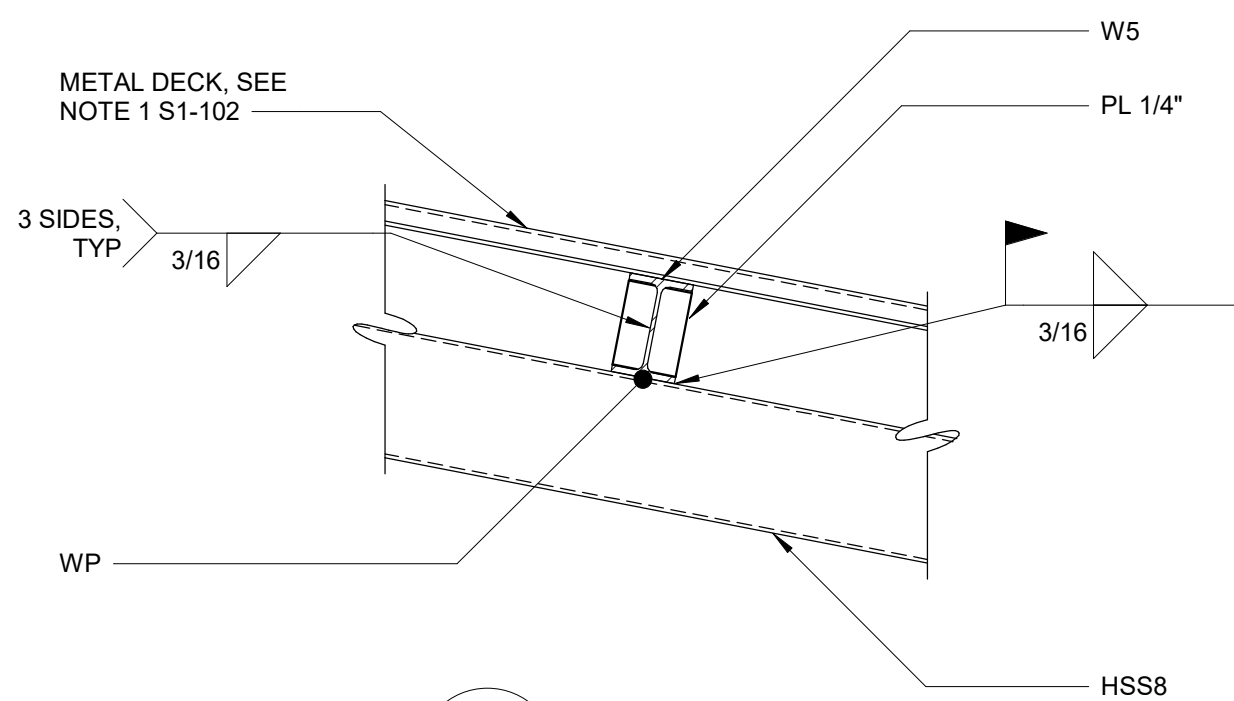
COMPONENT	LOCATION OF SEAM
COLUMNS 1E, 1F, 1G, 2B, 2C, 2D, 2E, 2G, 2H, 2.1A	WEST FACE
COLUMN 2F	NORTH OR SOUTH FACE
COLUMNS 3A, 3C, 3D, 3E, 3F, 3G, 3H	EAST FACE
COLUMN 3B	NORTH FACE
TRUSS CHORDS	TOP FACE
TRUSS DIAGONALS	TOP FACE
TRUSS VERTICAL MEMBERS	EAST OR WEST FACE
HSS8x8x1/4	TOP FACE
VERTICAL BRACING COLUMN LINE 1	WEST FACE

AESS FINISH SCHEDULE

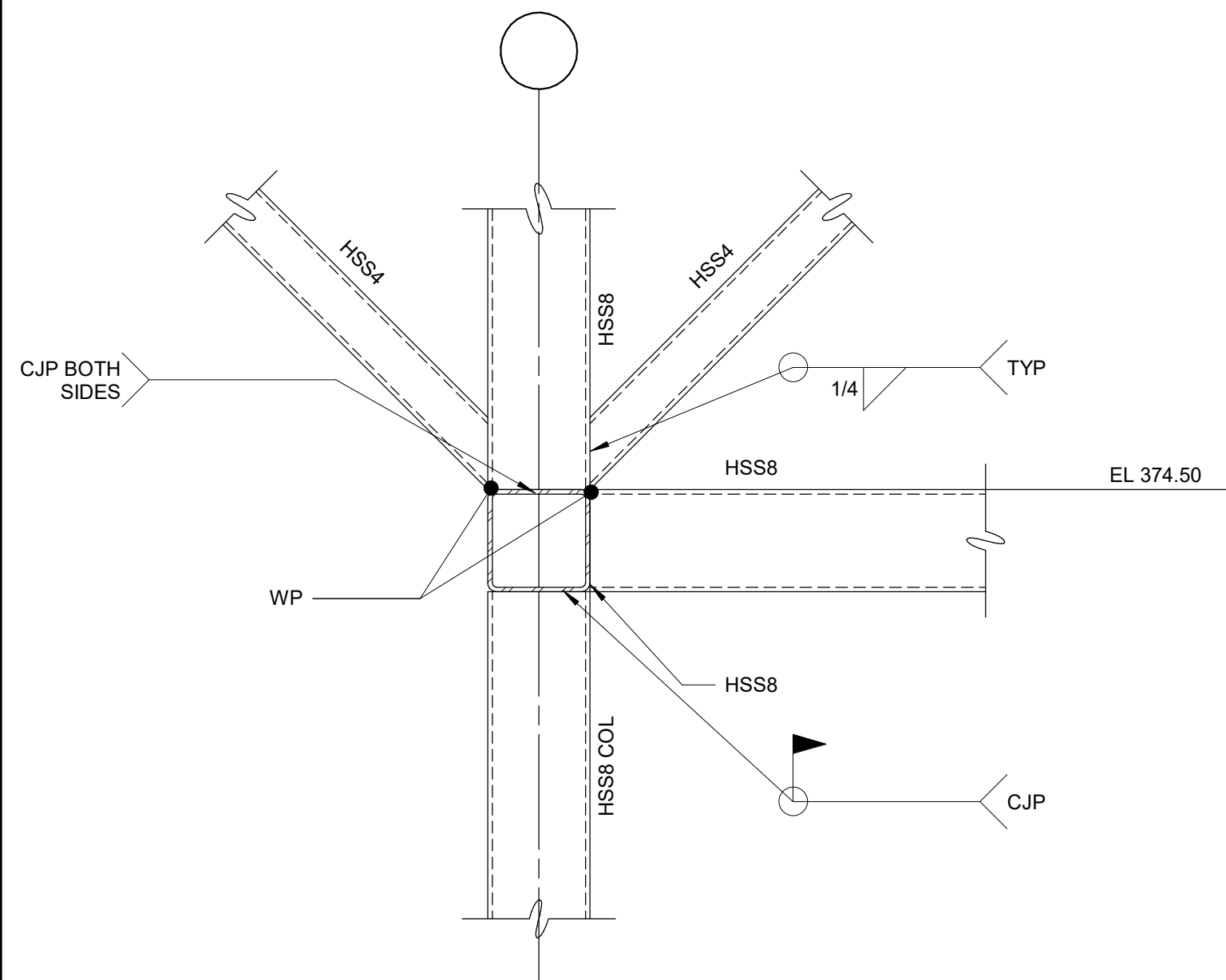
COMPONENT	FINISH	FINISH LOCATION
COLUMNS	AESS 3	ALL VISIBLE SURFACES
TRUSS CHORDS	AESS 3	BOTTOM AND SIDE SURFACES
TRUSS DIAGONALS	AESS 3	ALL FACES
TRUSS VERTICALS	AESS 3	ALL FACES
PURLINS (W5)	AESS 3	BOTTOM FACE
BEAMS	AESS 3	BOTTOM AND SIDE SURFACES
VERTICAL BRACING	AESS 3	ALL FACES
GUSSET PLATES	AESS 3	VISIBLE FACES
BASE PLATES	AESS 3	VISIBLE SURFACES
ANCHOR RODS	AESS 3	VISIBLE SURFACES

NOTE:
1. COMPONENTS NOT INDICATED MAY HAVE SEAM ON ANY FACE.

NOTES:
1. PROVIDE STANDARD FINISH WHERE AESS FINISH IS NOT INDICATED.
2. VISIBLE INDICATES ANY SURFACE THAT CAN BE SEEN FROM THE INSIDE OR THE OUTSIDE OF THE COMPLETED STRUCTURE.
3. FIELD WELDS SHALL MEET THE SAME REQUIREMENTS AS THE COMPONENTS THEY ARE APPLIED TO.

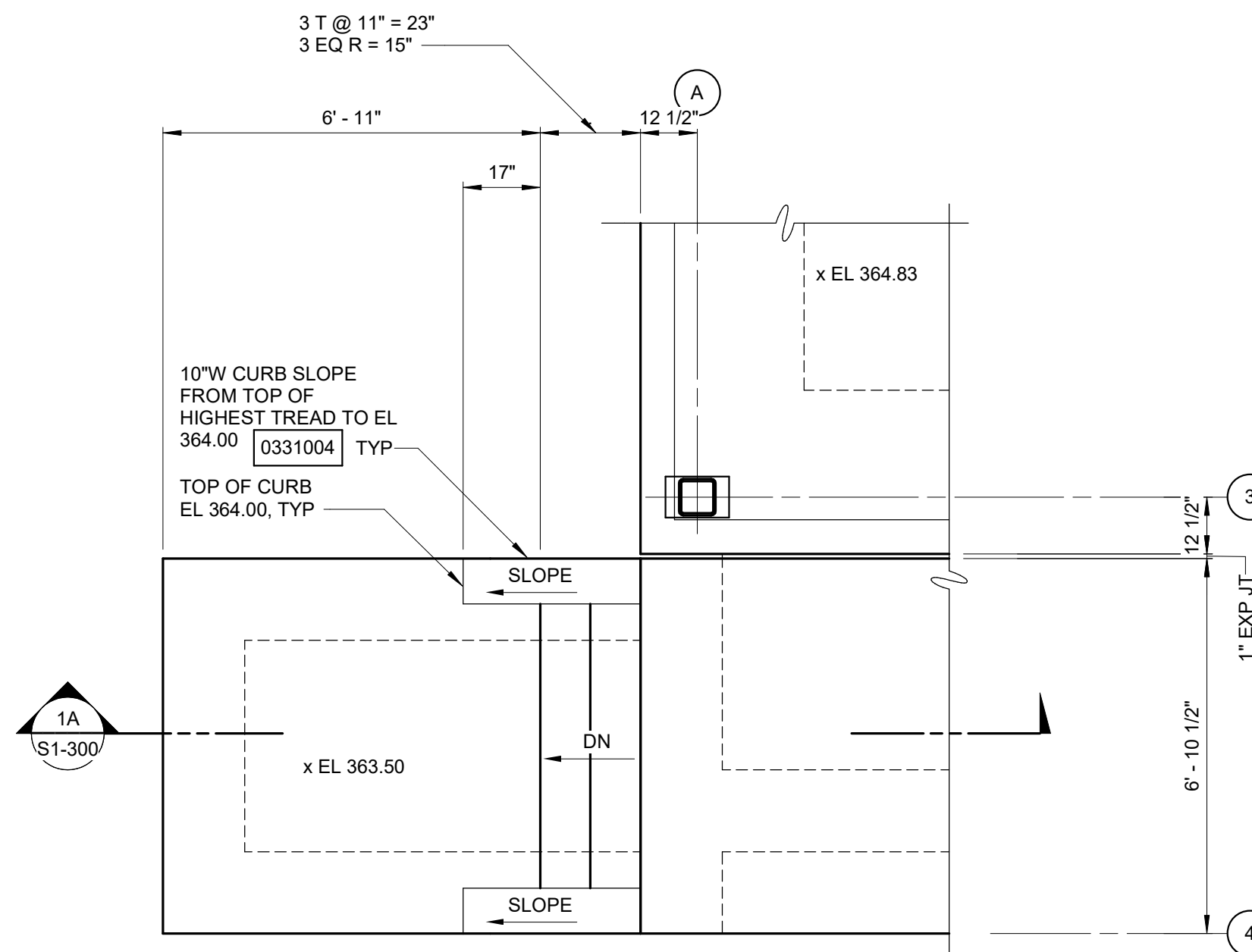


2 DETAIL
S1-200 1" = 1'-0"



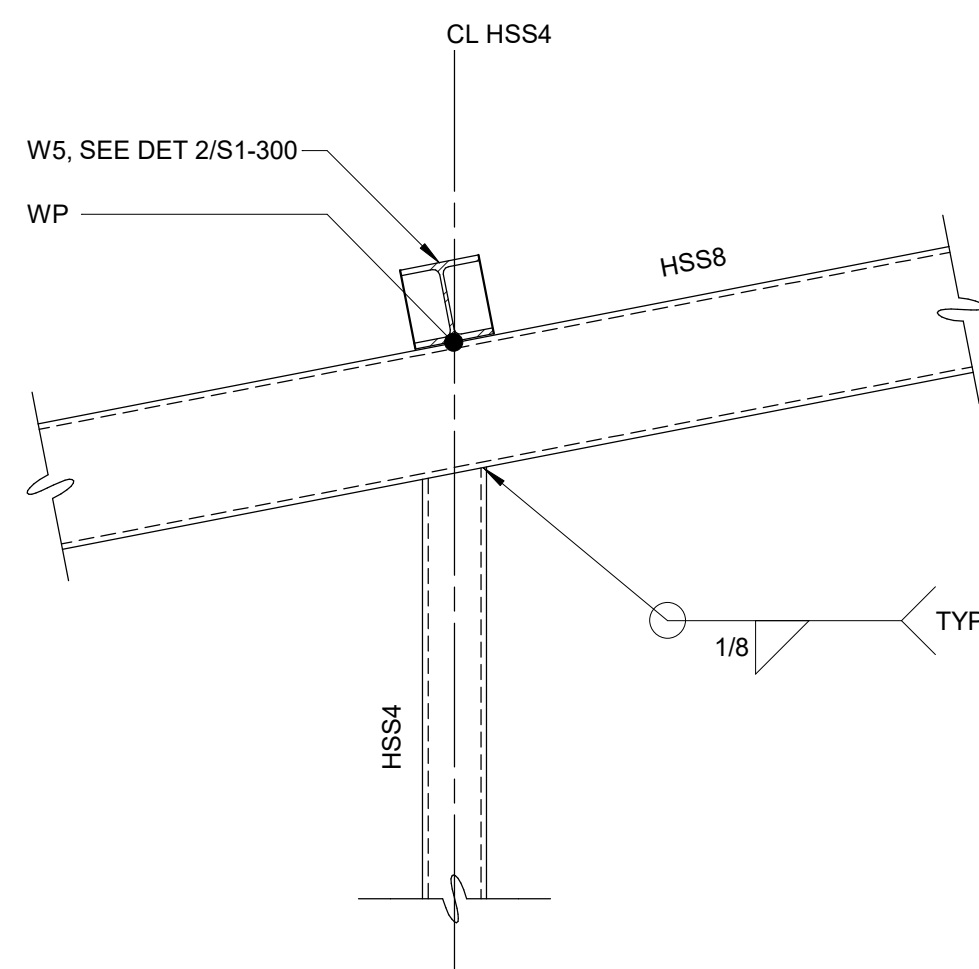
NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3
2. PROVIDE A MOCK UP OF THIS DETAIL

3 DETAIL
S1-200 1" = 1'-0"



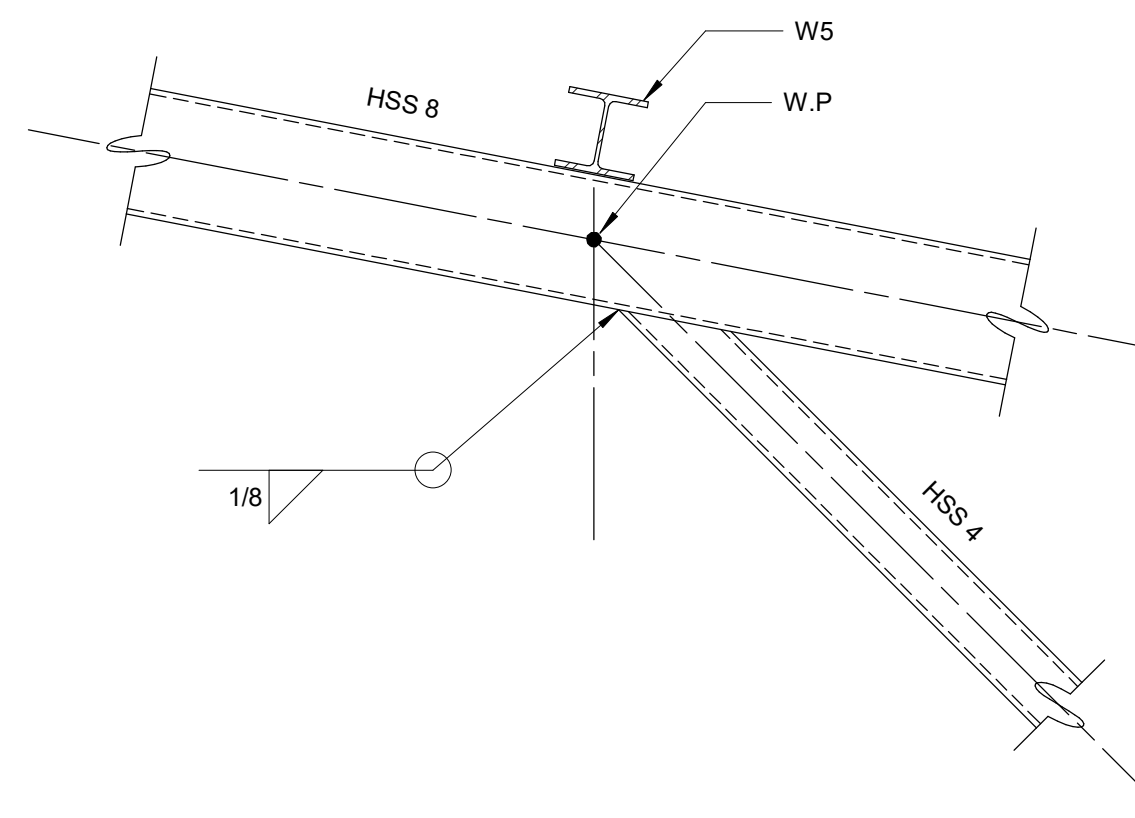
NOTE:
HANDRAIL NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.

1 DETAIL
S1-100 3/8" = 1'-0"



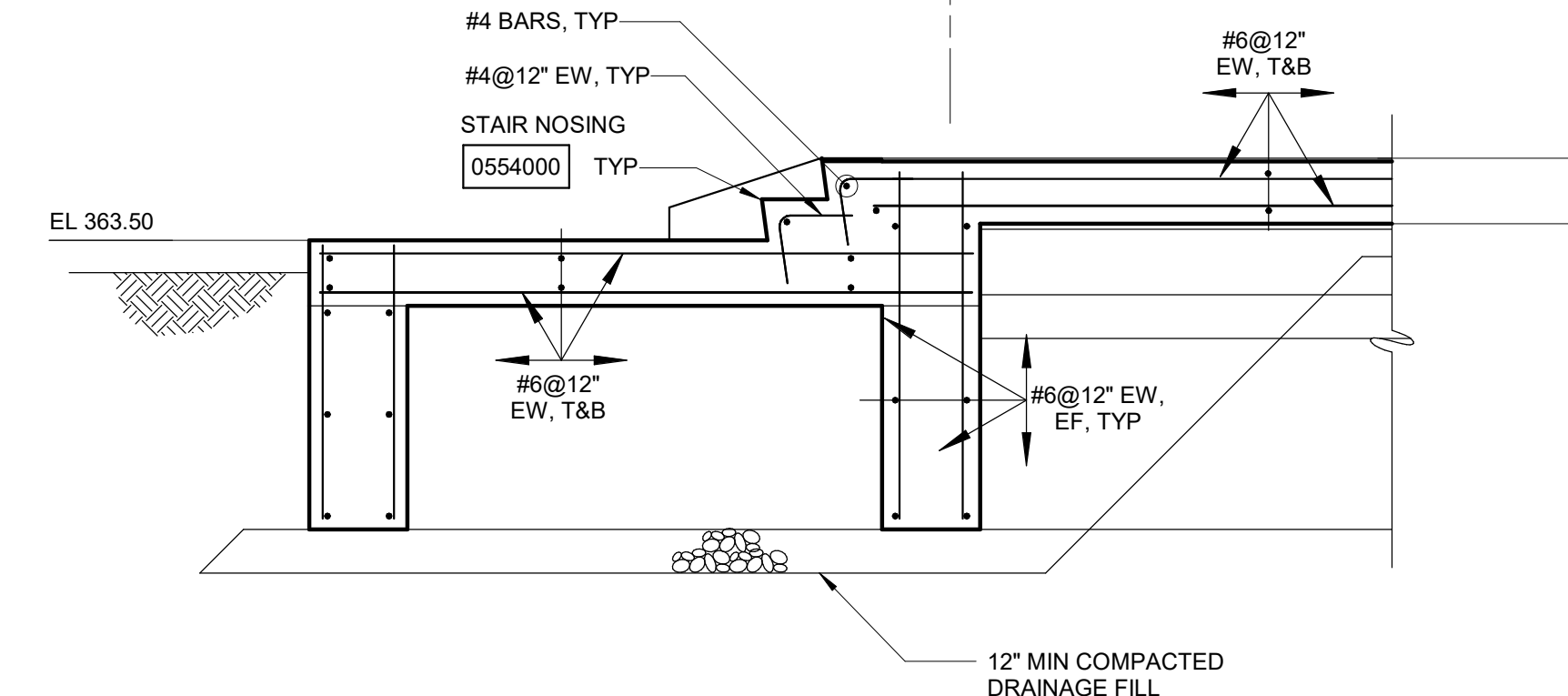
NOTE:
1. FABRICATION IN ACCORDANCE WITH AESS 3

4 DETAIL
S1-200 1" = 1'-0"

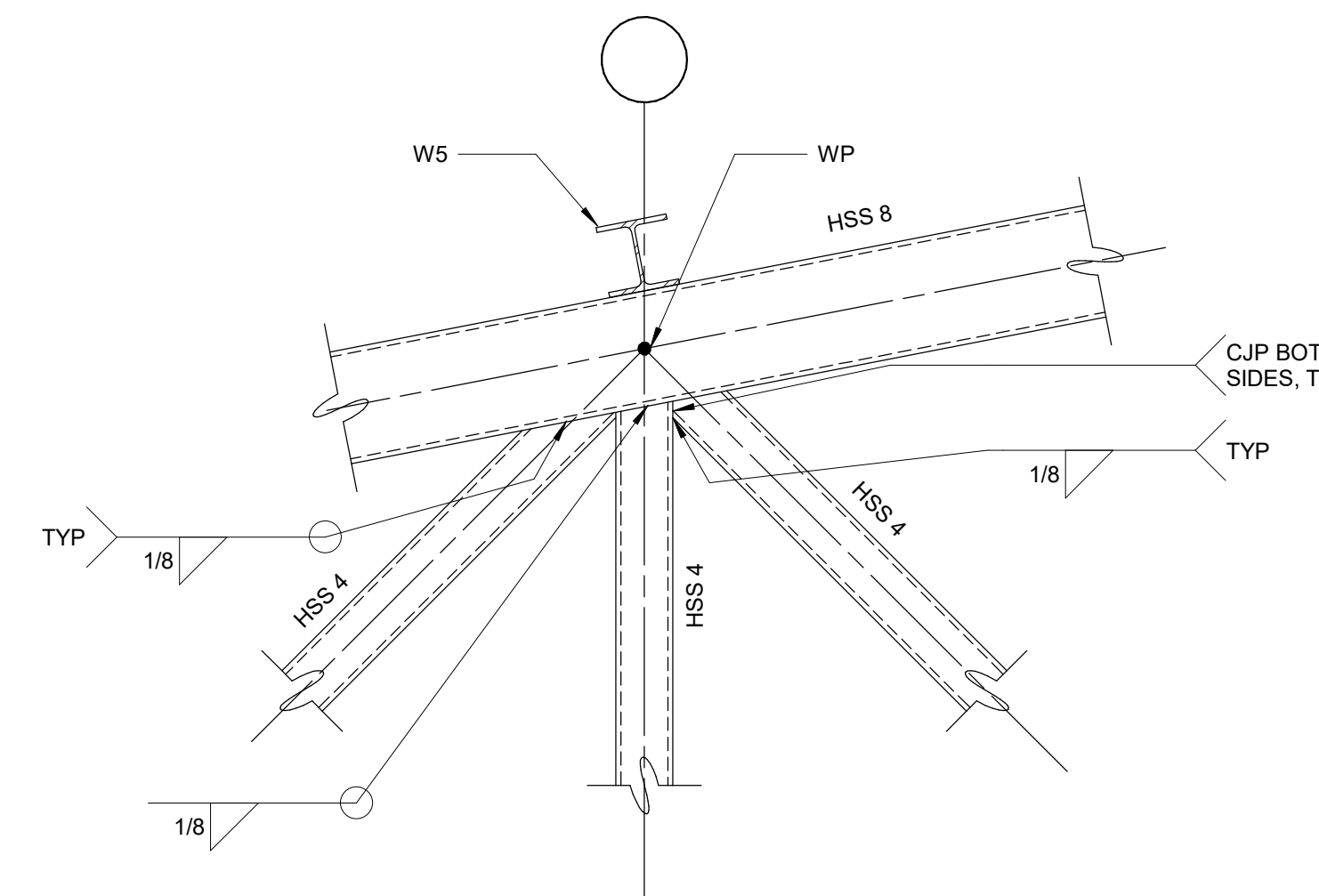


NOTE:
1. FABRICATION IN ACCORDANCE WITH AESS 3

5 DETAIL
S1-200 1" = 1'-0"

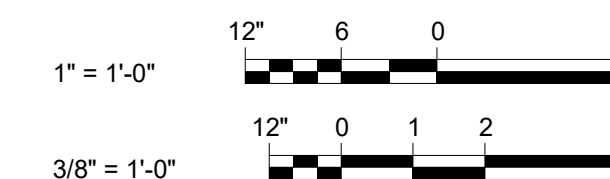


1A SECTION
S1-300 3/8" = 1'-0"



NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PROVIDE A MOCK UP OF THIS DETAIL.

6 DETAIL
S1-200 1" = 1'-0"



NOTES:
1. HSS 3 DENOTES HSS3x3x1/4
HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
HSS 4 DENOTES HSS4x4x1/4
HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
HSS 8-6 DENOTES HSS8x6x1/4
HSS 8-8-2 DENOTES HSS8x8x1/4
HSS 8-8-6 DENOTES HSS8x8x3/8
HSS 8-8-8 DENOTES HSS8x8x1/2
W5 DENOTES W5x19

Autodesk Docs/069030_02A_CAT-423 W0-02A Waterfowl Mgmt Program/069030_02A_S_WFB014 7/20/2023 10:52:02 AM

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

DESIGNED BY: J. EDER
DRAWN BY: R. KANDILAH
CHECKED BY: C. PHILLIPS
DESIGN LEAD: EDWARD BARBOE, P.E.

ACCOUNTABLE MANAGER: JOSE NIEVES
PORTFOLIO MANAGER: MARK DELBALZO, P.E.

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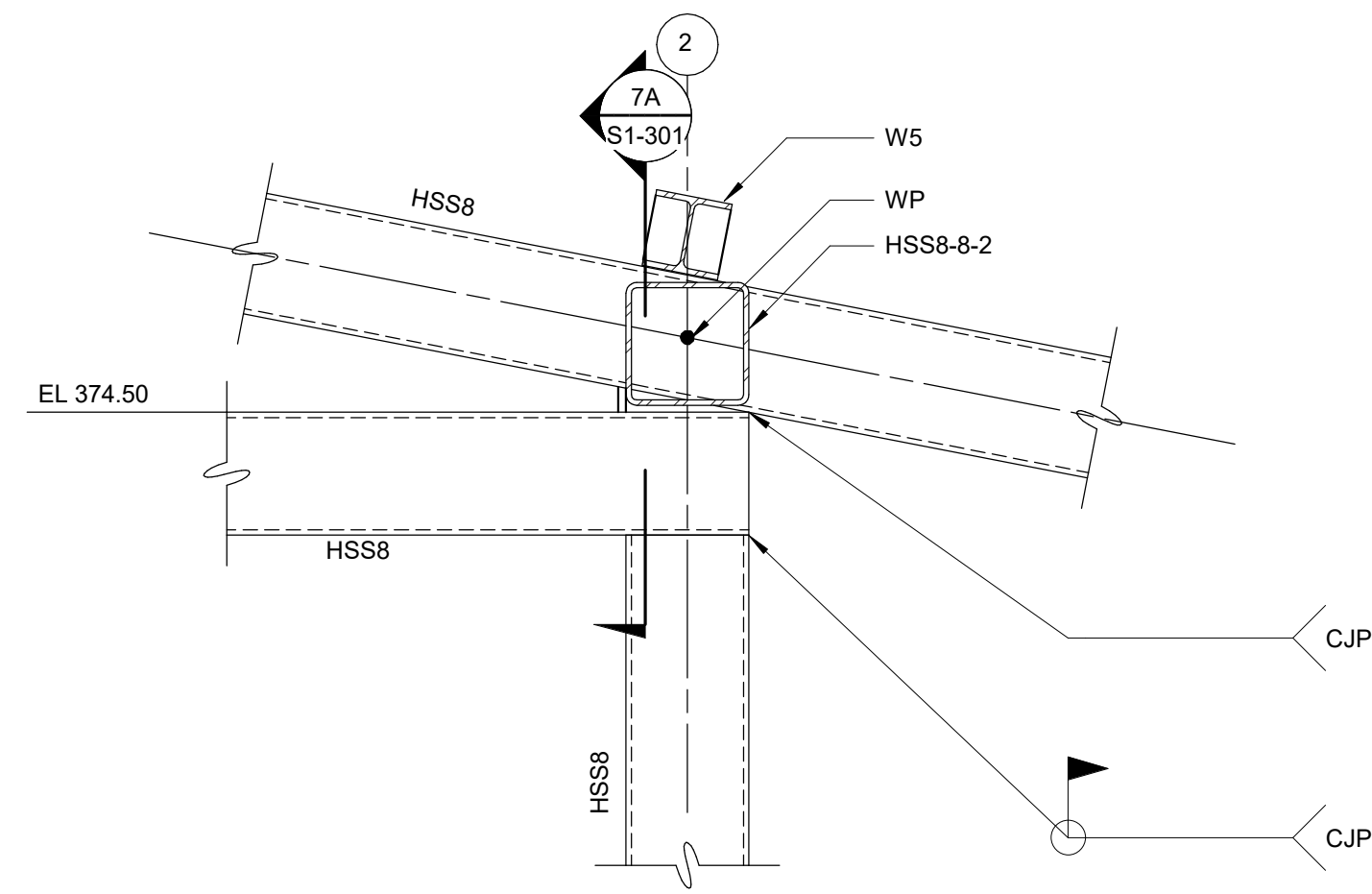
CONFORMED SET

GRAPHIC SCALES CHECK BEFORE USE

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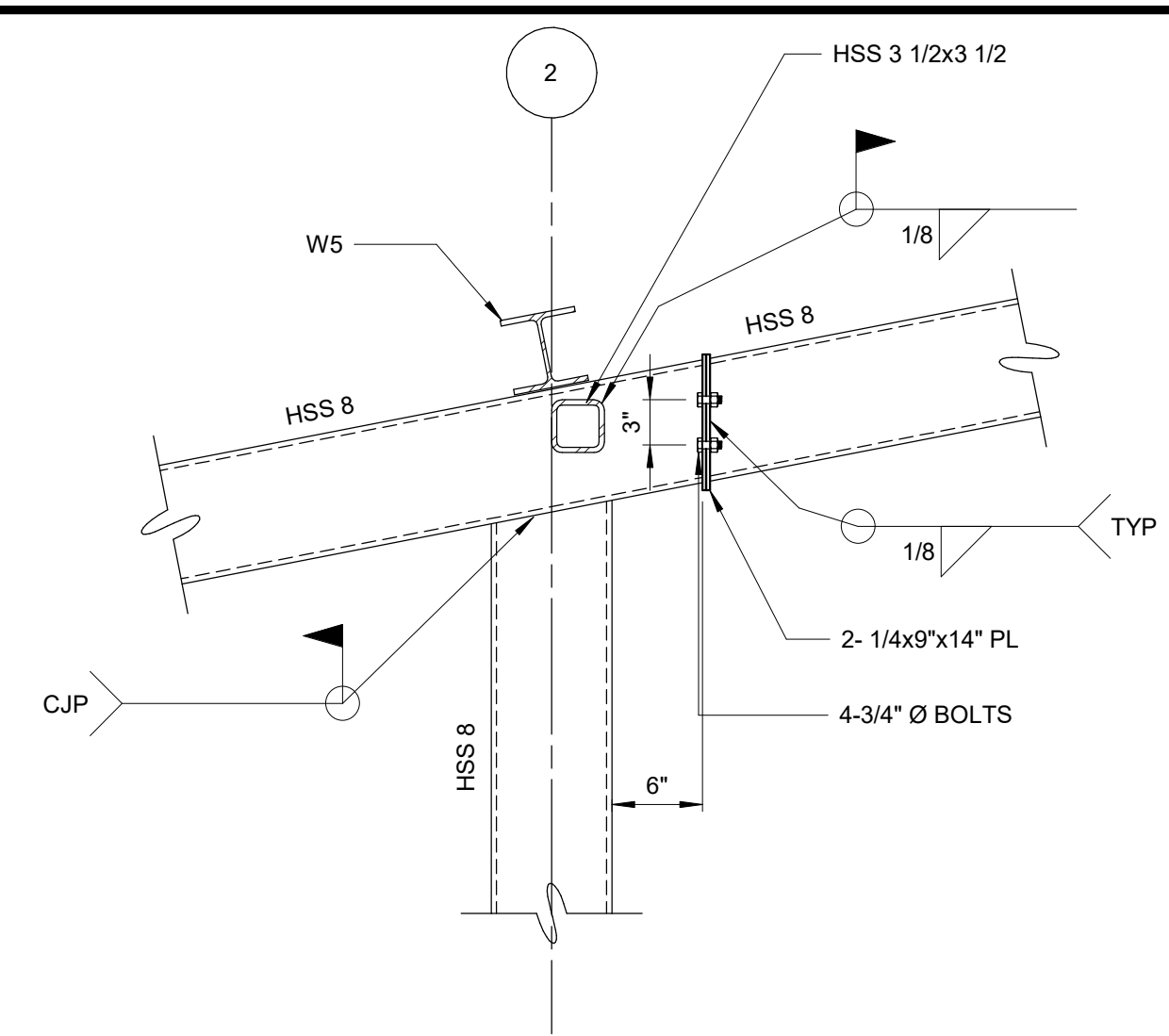
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL SCHEDULES AND DETAILS

DATE: JANUARY 2021
SCALE: AS NOTED
SHEET NO: 39 OF No. 80
DRAWING NO. S1-300



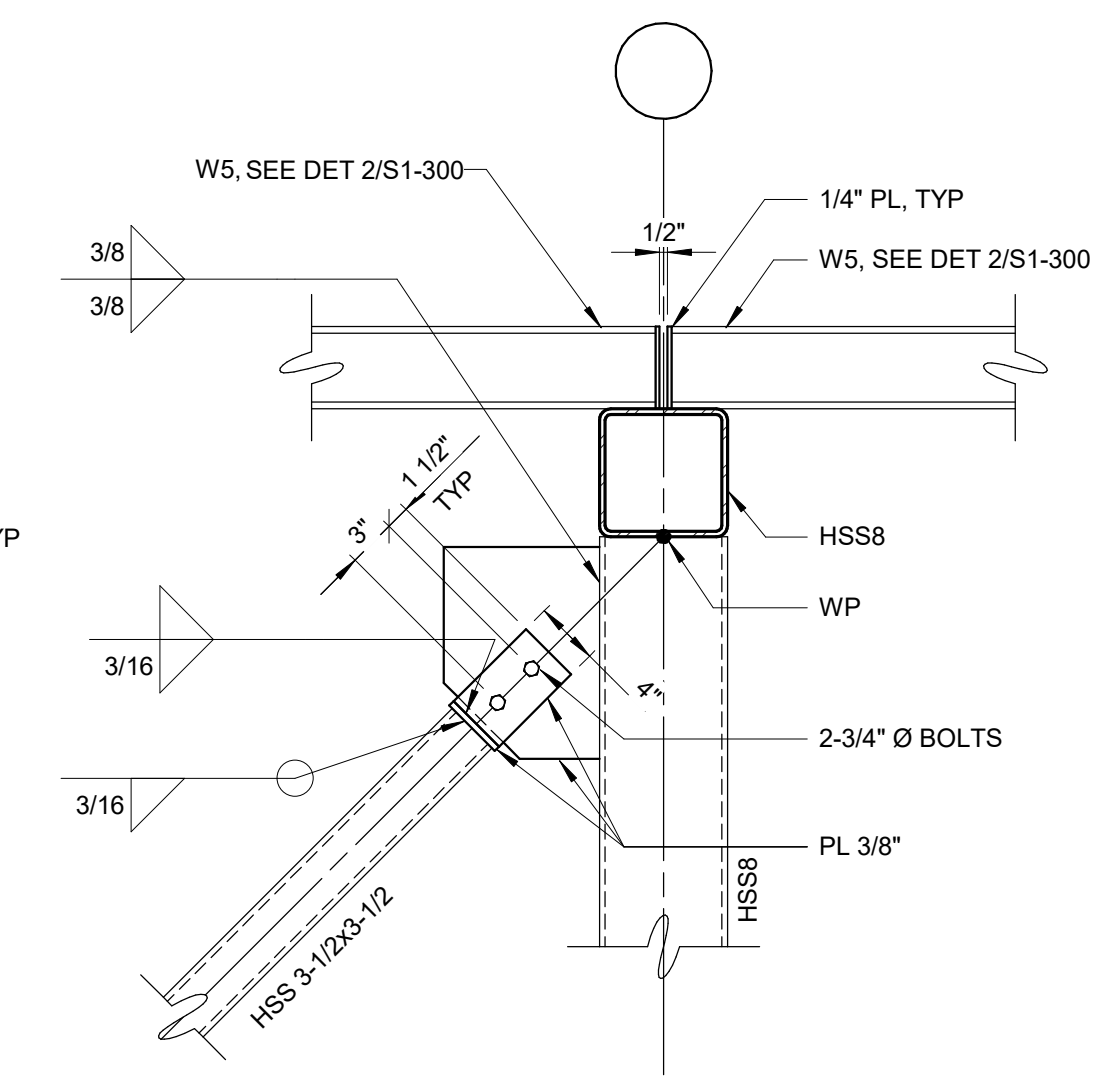
7A SECTION
S1-301 1" = 1'-0"

NOTE:
1. FABRICATION IN ACCORDANCE WITH AESS 3



8 DETAIL
S1-200 1" = 1'-0"

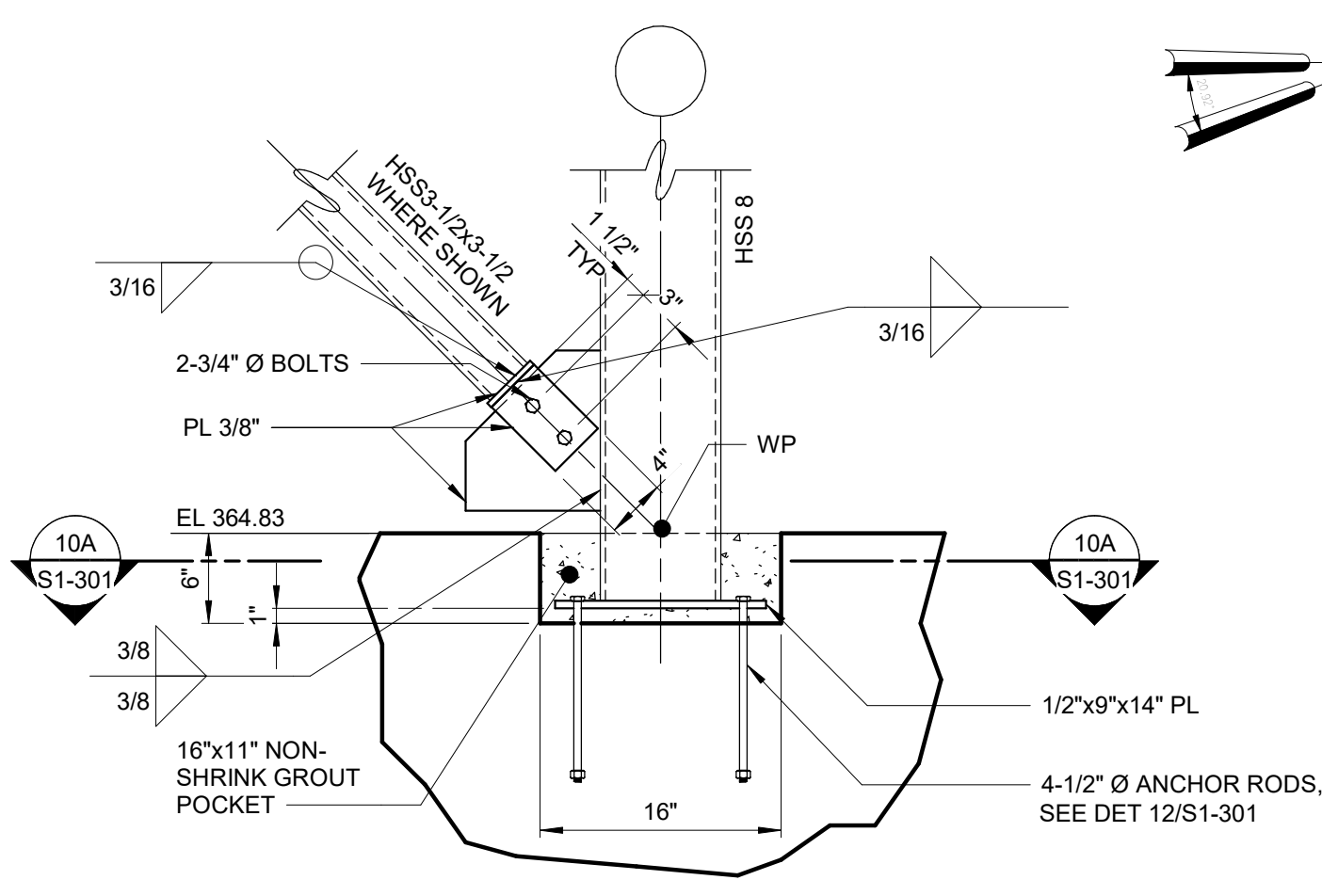
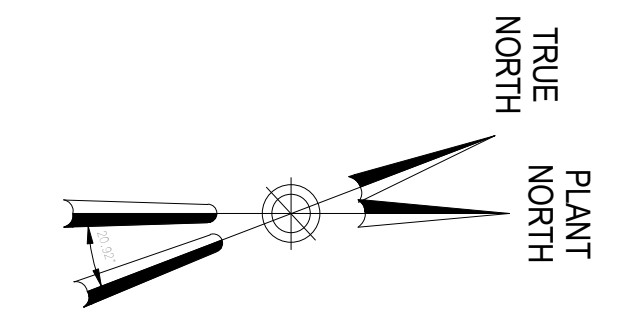
NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PROVIDE A MOCK UP OF THIS DETAIL.



9 DETAIL
S1-200 1" = 1'-0"

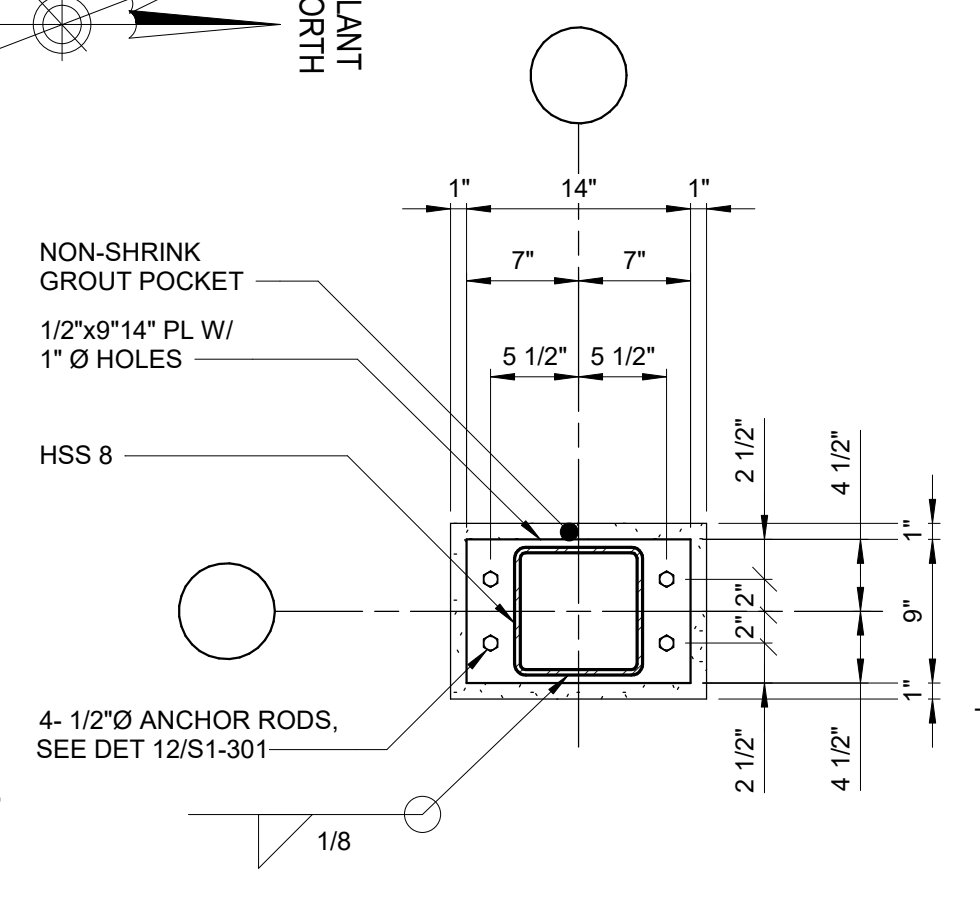
NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PLACE BOLT HEADS ON VISIBLE SIDE.
3. PROVIDE A MOCK UP OF THIS DETAIL.
4. PLACE HSS3-1/2 AT COL CENTERLINE.

7 DETAIL
S1-200 1" = 1'-0"

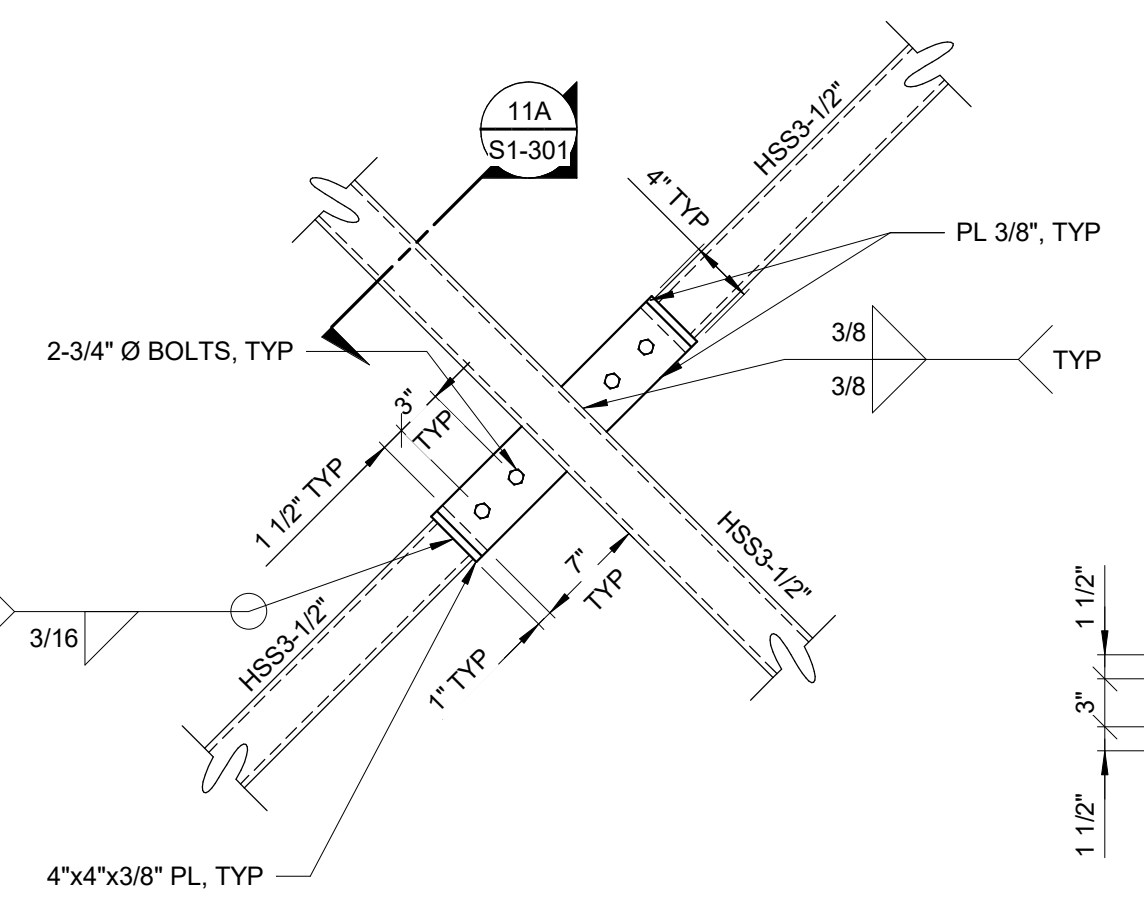


10 DETAIL
S1-200 1" = 1'-0"

NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PLACE HSS3-1/2 AT COL CENTERLINE.

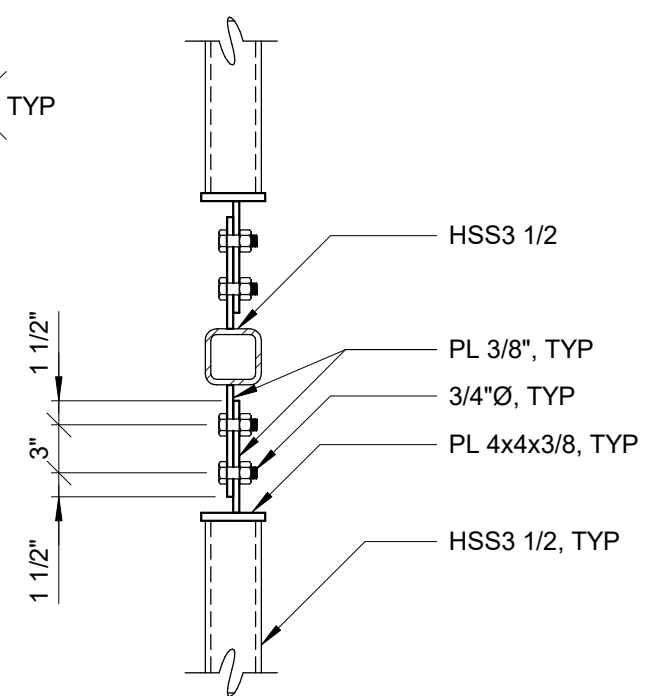


10A SECTION
S1-301 1" = 1'-0"

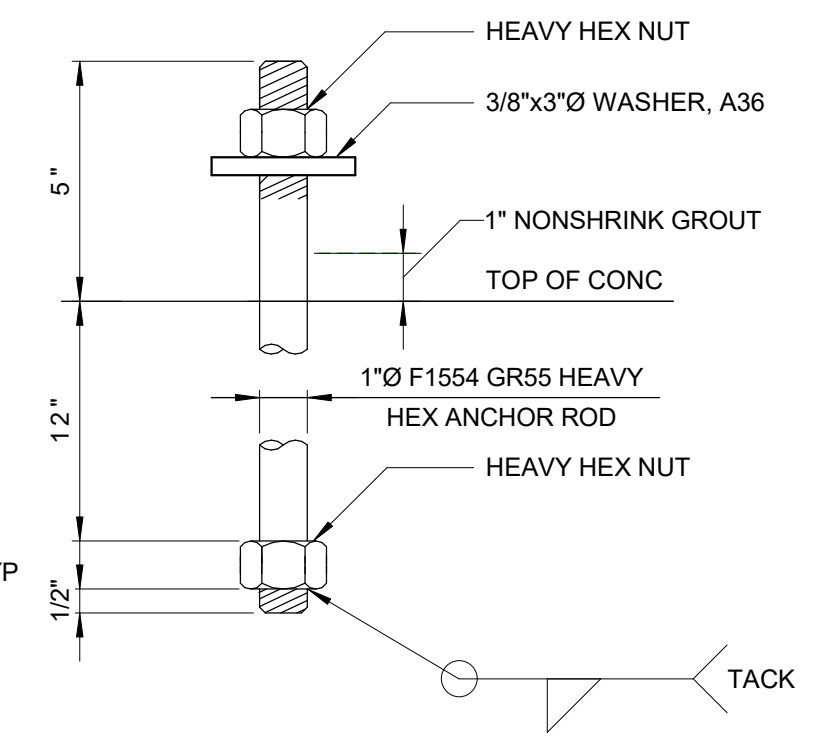


11 DETAIL
S1-200 1" = 1'-0"

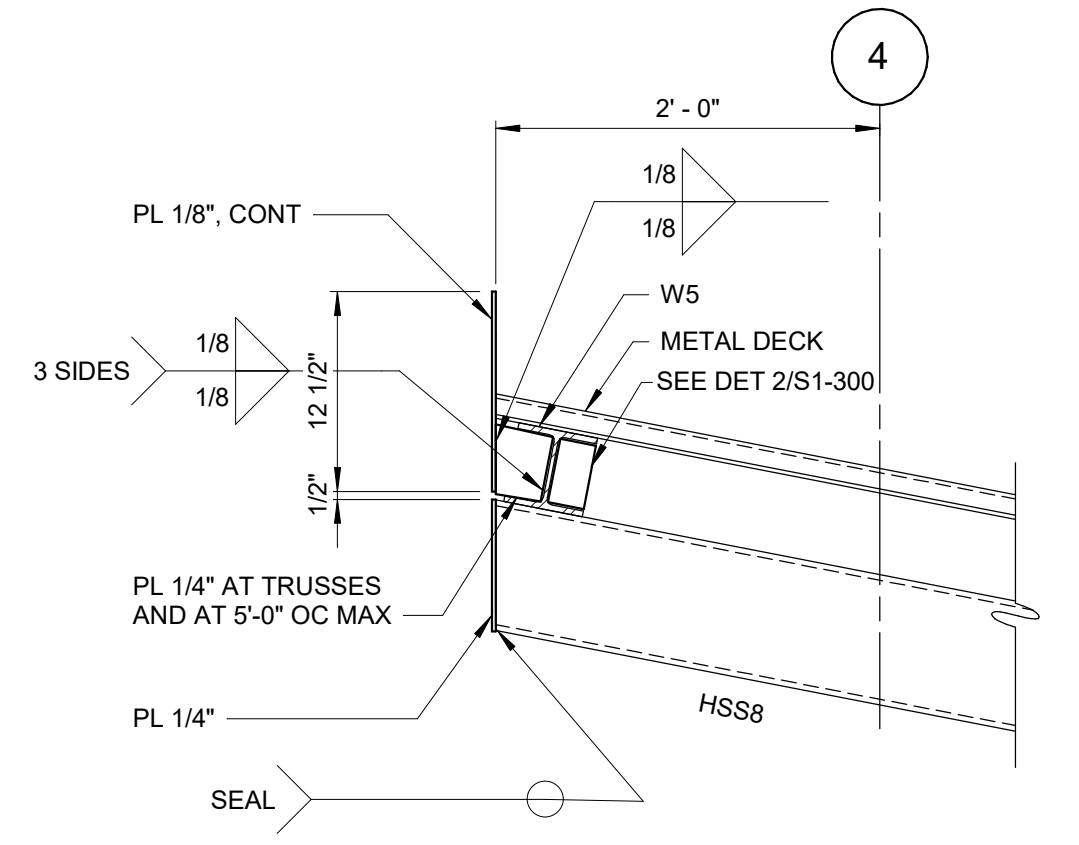
NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PLACE BOLT HEADS ON VISIBLE SIDE.
3. PROVIDE A MOCK UP OF THIS DETAIL.



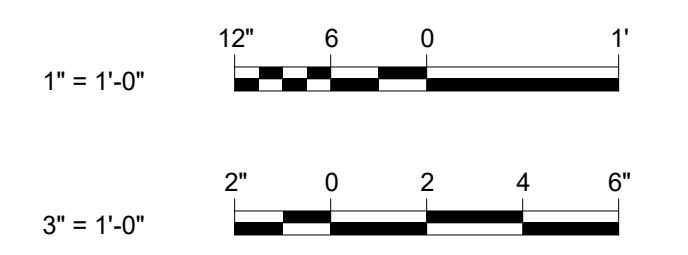
SECTION 11A
S1-301 1" = 1'-0"



12 DETAIL
S1-301 3\"/>



13 DETAIL
S1-200 1" = 1'-0"



NOTES:
1. HSS 3 DENOTES HSS3x3x1/4
HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE
HSS 4 DENOTES HSS4x4x1/4
HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
HSS 8-6 DENOTES HSS8x6x1/4
HSS 8-8-2 DENOTES HSS8x8x1/4
HSS 8-8-6 DENOTES HSS8x8x3/8
HSS 8-8-8 DENOTES HSS8x8x1/2
W5 DENOTES W5x19

Autodesk Docs/060900_02A_CAT-423 WOC-02A Waterfowl Mgmt Program/060900_02A_S_WFB.rvt 7/20/2023 10:45:03 AM

DESIGNED BY:	J. EDER	DRAWN BY:	R. KANDILAH
CHECKED BY:	C. PHILLIPS	DESIGN LEAD:	EDWARD BARBOE, P.E.
A 7/23 CONFORMED CR			
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D



ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

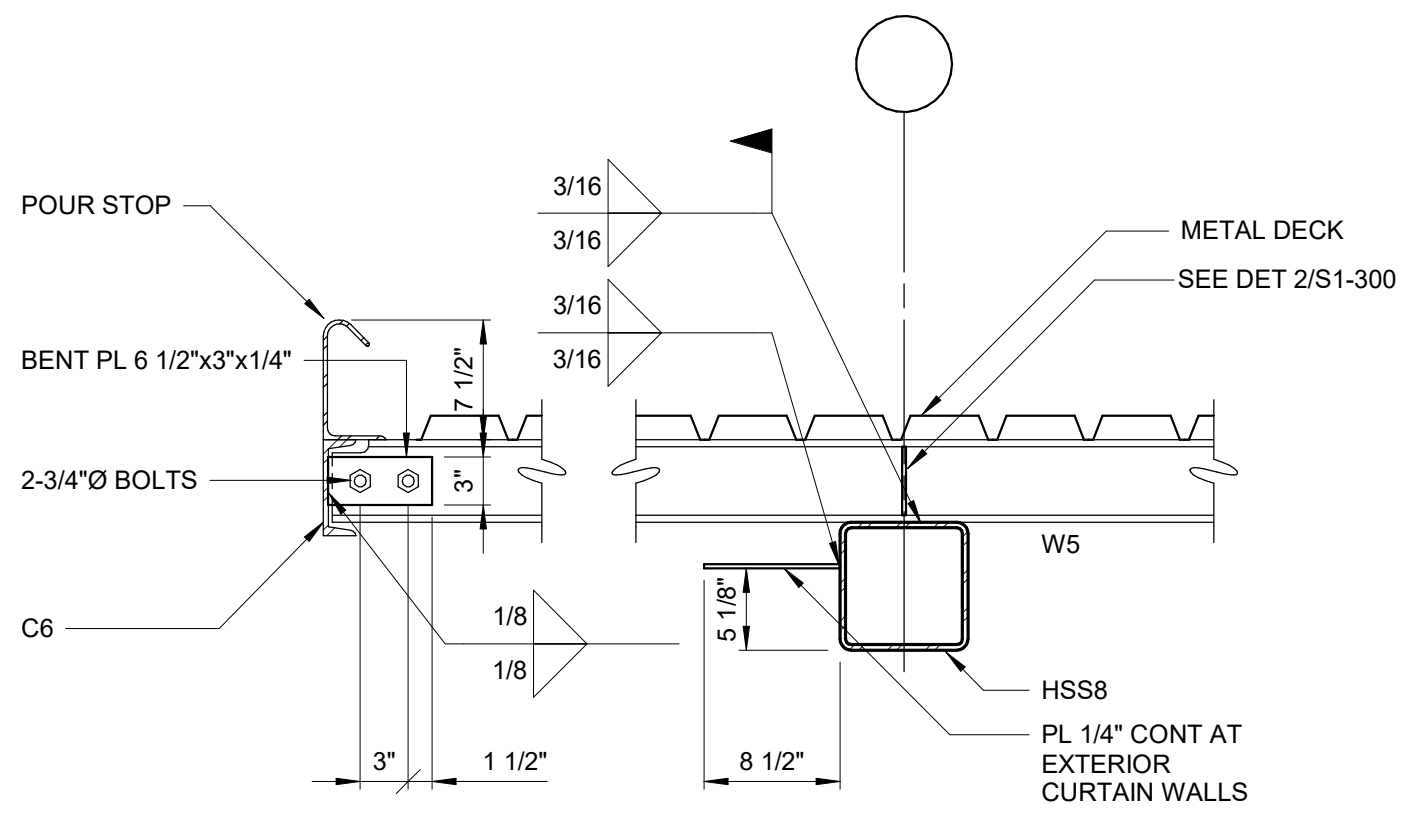
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CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
	IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK STRUCTURAL DETAILS	
DATE: JANUARY 2021 SCALE: AS NOTED SHEET NO: 40 OF No. 80 DRAWING NO. S1-301	

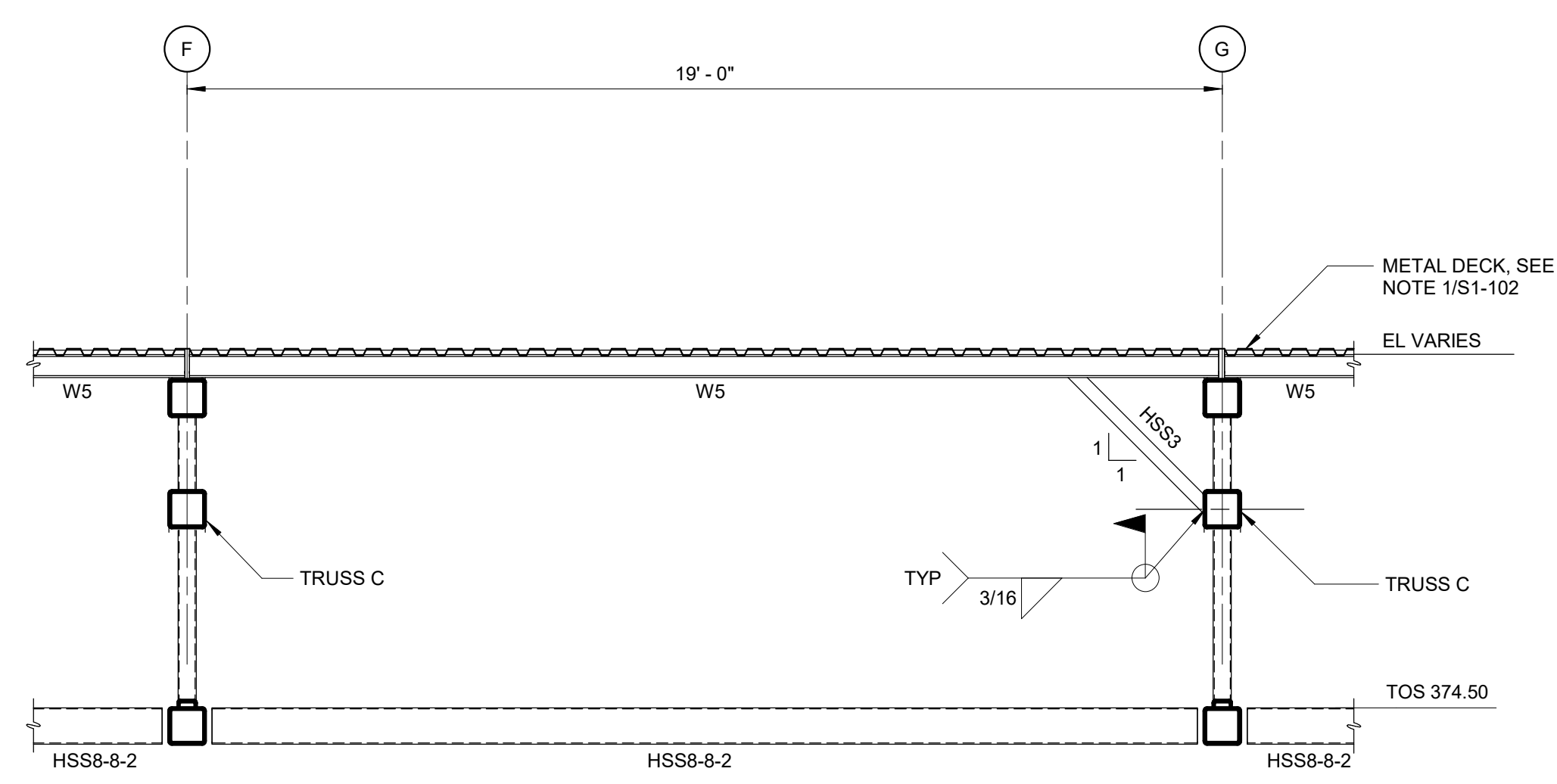
All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

- NOTES:**
- HSS 3 DENOTES HSS3x3x1/4
 - HSS 3-1/2 DENOTES HSS3-1/2x3-1/2x1/4 CENTERED ON COLUMN LINE UNO
 - HSS 4 DENOTES HSS4x4x1/4
 - HSS 8-4 DENOTES HSS8x4x3/16 BETWEEN COLUMN LINES G AND H ONLY
 - HSS 8-6 DENOTES HSS8x6x1/4
 - HSS 8-8-2 DENOTES HSS8x8x1/4
 - HSS 8-8-6 DENOTES HSS8x8x3/8
 - HSS 8-8-8 DENOTES HSS8x8x1/2
 - W5 DENOTES W5x19
 - C6 DENOTES C6x10.5

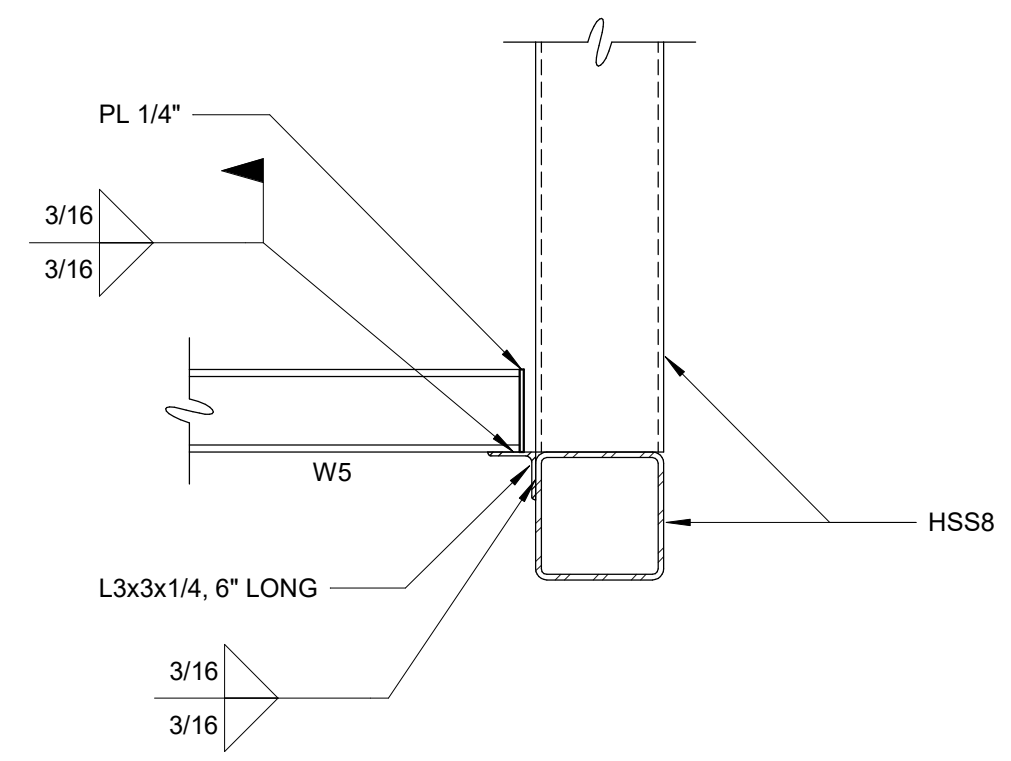


NOTE:
AT CORNERS FIELD WELD PLATE TO W5 IN
LEIU OF BOLTING.

F SECTION
S1-102 1" = 1'-0"

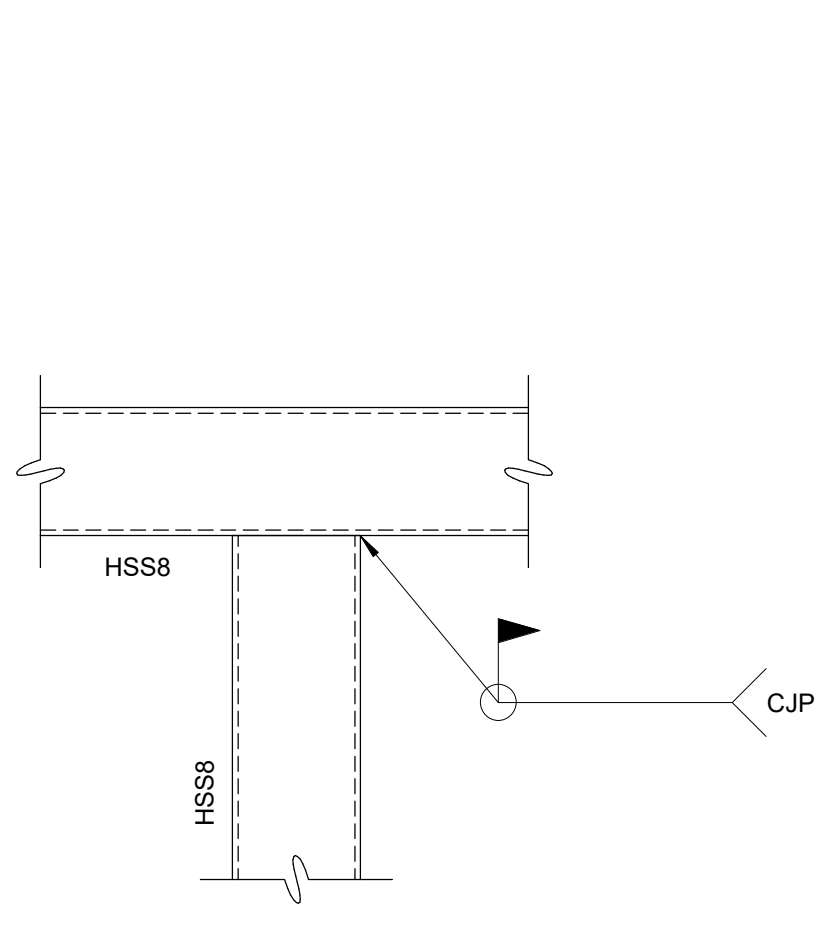


G SECTION
S1-101 3/8" = 1'-0"

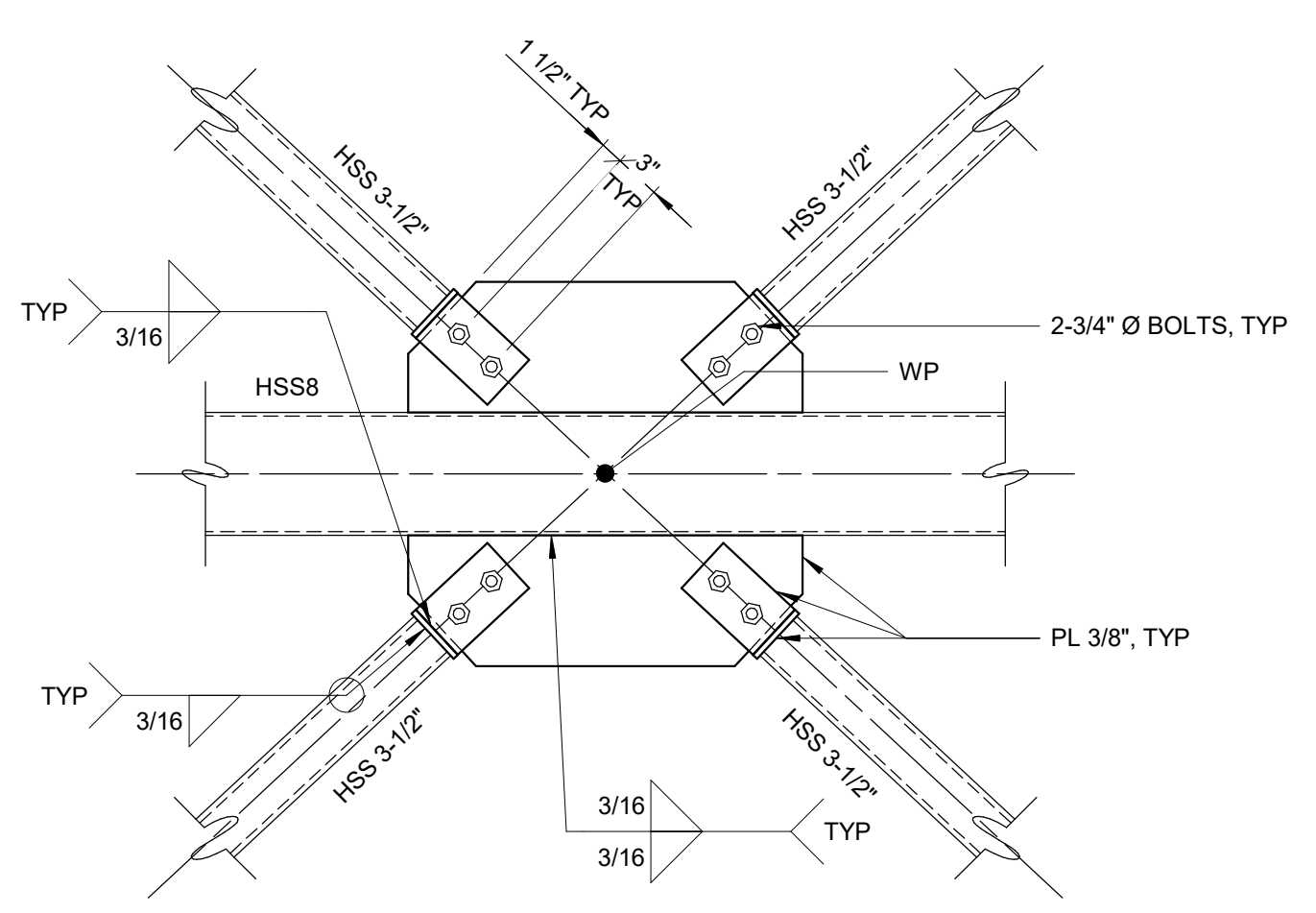


NOTE:
1. SEE DETAIL 2 AND DETAIL 4 ON S1-300
FOR ADDITIONAL INFORMATION.

H SECTION
S1-102 1" = 1'-0"

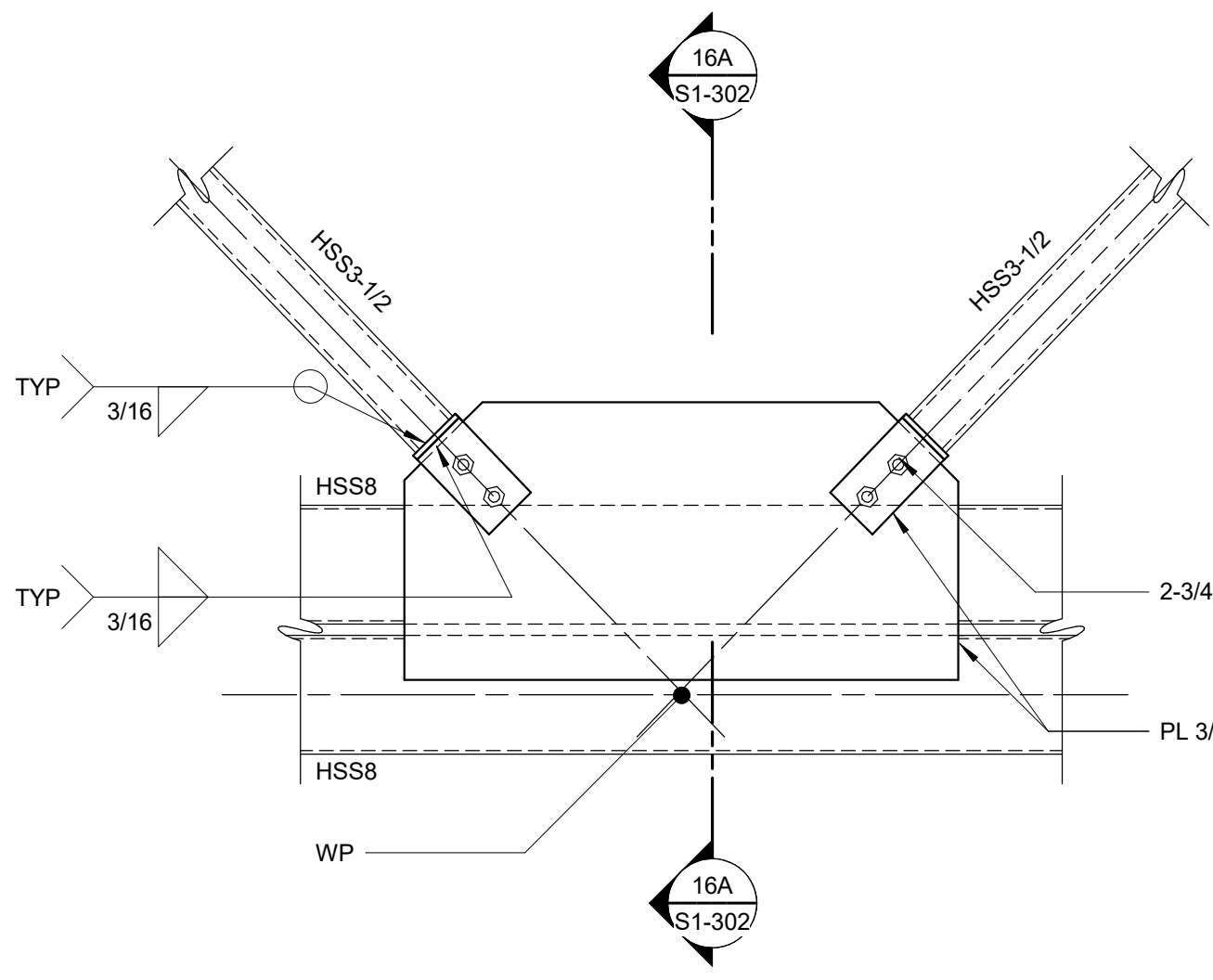


14 DETAIL
S1-101 1" = 1'-0"

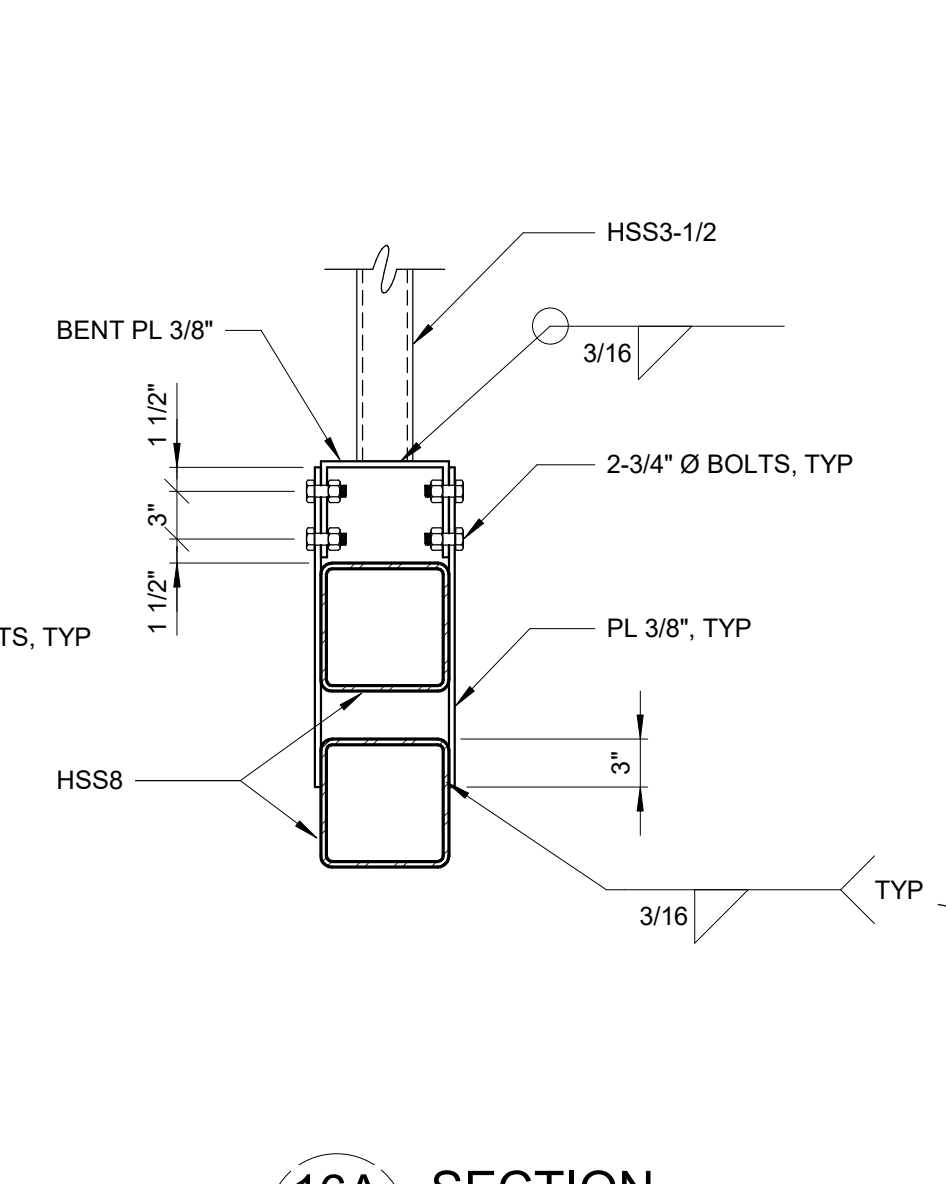


NOTES:
1. FABRICATION IN ACCORDANCE WITH AESS 3.
2. PLACE BOLT HEADS ON VISIBLE SIDE.
3. PROVIDE A MOCK UP OF THIS DETAIL.
4. PLACE HSS 3-1/2 AT COLUMN CENTERLINE.

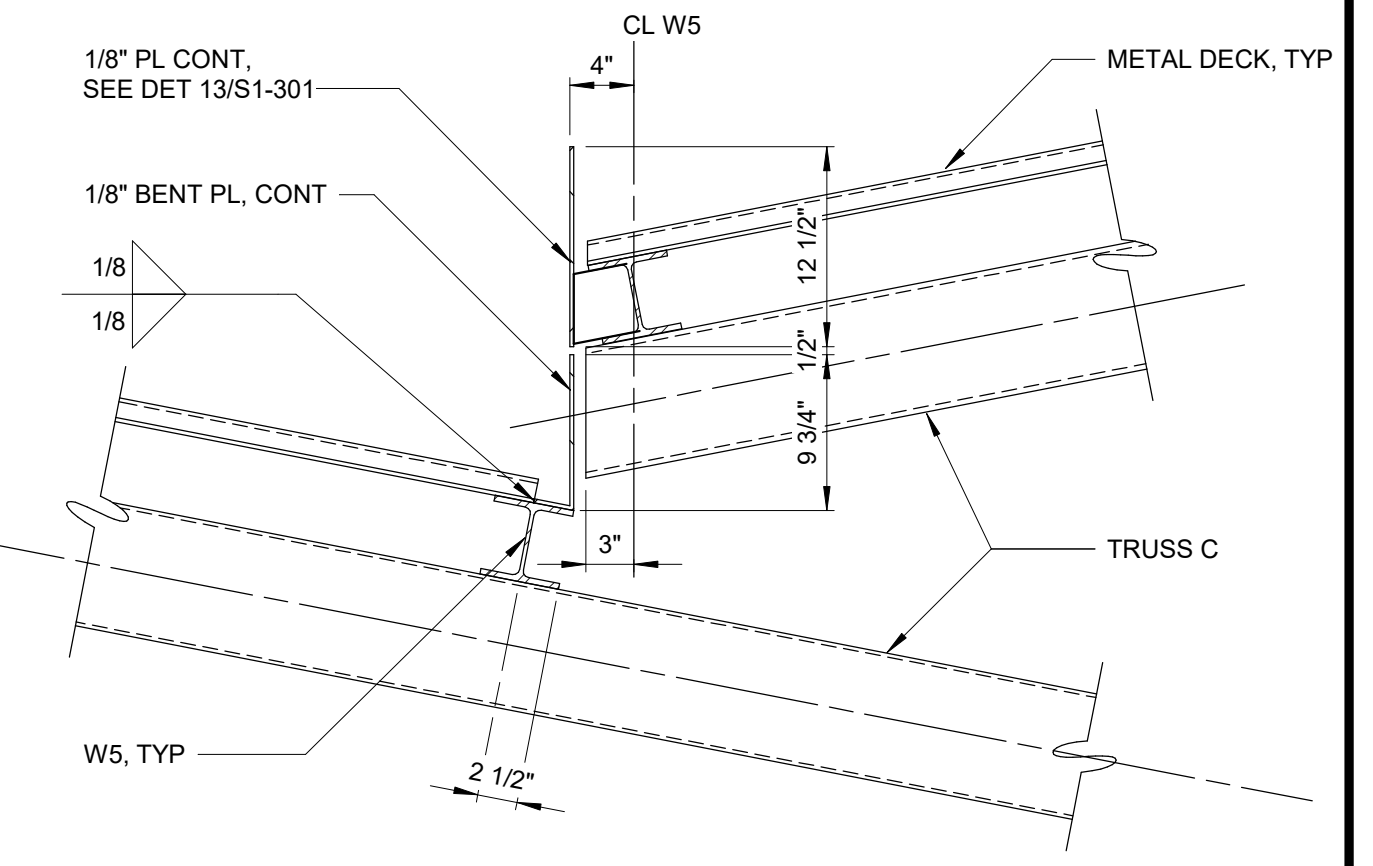
15 DETAIL
S1-201 1" = 1'-0"



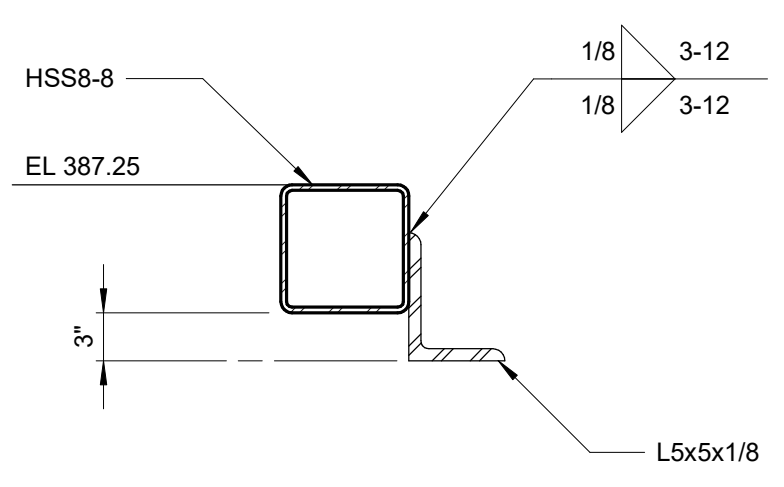
16 DETAIL
S1-201 1" = 1'-0"



16A SECTION
S1-302 1" = 1'-0"

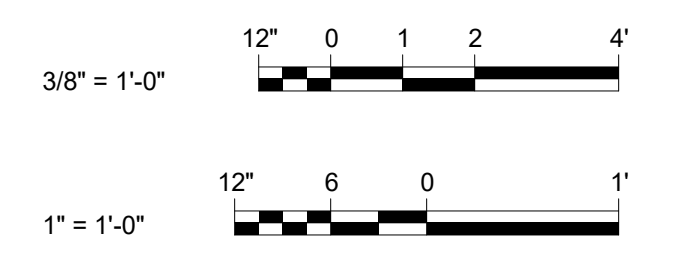


18 DETAIL
S1-200 1" = 1'-0"



NOTE:
WELD ANGLES TO COLUMNS ACROSS
ENTIRE FACE OF COLUMN.

17 DETAIL
S1-200 1" = 1'-0"



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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

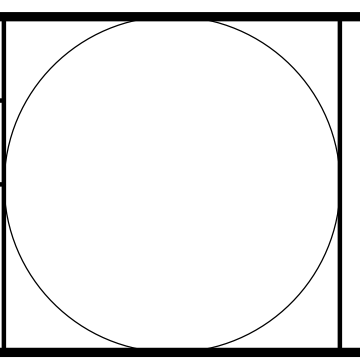
DESIGNED BY:
J. EDER

CHECKED BY:
C. PHILLIPS

DRAWN BY:
R. KANDILAH

DESIGN LEAD:
EDWARD BARBOE, P.E.

Hazen



ACCOUNTABLE MANAGER
JOSE NIEVES

PORTFOLIO MANAGER
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CONFORMED SET

WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
STRUCTURAL
DETAILS

GRAPHIC SCALES
CHECK BEFORE USE

IF SHEET IS LESS THAN 22"x34"
IT IS A REDUCED PRINT.
SCALE ACCORDINGLY

DATE: JANUARY 2021

SCALE:

SHEET NO:
41 OF No. 80

DRAWING NO.
S1-302

GENERAL NOTES

- WORK SHALL BE IN CONFORMANCE WITH APPLICABLE REQUIREMENTS OF LOCAL GOVERNING CODES, INCLUDING BUT NOT LIMITED TO N.Y.S DEPT. OF LABOR, HEALTH CODE, FIRE DEPARTMENT REGULATIONS, NFPA, OSHA CODES, ICC A117.1 (2009), AND NEW YORK STATE UNIFORM FIRE PREVENTION (2020 EDITION) & BUILDING CODE (2020 EDITION).
- 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.
- CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT OF ANY PORTIONS OF THE WORK, IN THE CONTRACT DOCUMENTS THAT ARE AT VARIANCE WITH THE ABOVE.
- ALL PERMITS ISSUED SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO THE PUBLIC INSPECTION UNTIL THE COMPLETION OF THE WORK OR THE USE AND THE OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.
- DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. WHERE DISCREPANCIES OCCUR AND/OR WHERE THERE ARE CONFLICTS OR OMISSIONS IN THE DRAWINGS, SPECIFICATIONS AND APPLICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND REFRAIN FROM STARTING AND COMPLETING SUCH WORK, OR DEPENDENT WORK, UNTIL DIRECTED BY ARCHITECT TO PROCEED. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.
- EXTERIOR DIMENSIONS ARE TO THE FACE OF STRUCTURE UNLESS OTHERWISE NOTED.
- MECHANICAL AND ELECTRICAL INDICATIONS ON ARCHITECTURAL DRAWINGS ARE FOR LOCATION PURPOSES ONLY.
- THE HARDWARE AND FIXTURES SHOWN IN DRAWINGS IS FOR GRAPHIC PURPOSES ONLY. REFER TO THE FINISH HARDWARE SCHEDULE IN SPECIFICATIONS.
- ADDITIONAL NOTES APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONSTRUCTION DOCUMENTS.
- WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
- THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL NEW ITEM(S) AND/OR SYSTEM(S).
- CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE WILL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS, REMOVE DEBRIS FROM THE CONSTRUCTION SITE AND DISPOSE OF DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM ALL CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING WORK AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
- CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES.
- CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITH ADJACENT CONSTRUCTION WITHOUT COMPROMISING THE QUALITY OF THE WORK.
- CONTRACTOR SHALL PATCH AND REPAIR FLOORS, WALLS CEILINGS, ETC., DAMAGED OR EXPOSED DUE TO MEP WORK AND FINISH TO MATCH ADJOINING SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER. COORDINATE WORK WITH MEP DRAWINGS.
- WORK SHALL BE INSTALLED SO THAT ALL PARTS REQUIRED ARE READILY ACCESSIBLE FOR INSPECTION, OPERATION, MAINTENANCE AND REPAIR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ASPECTS OF WORK UNDER THIS CONTRACT IN ORDER TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK.
- CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP IN THIS CONTRACT FOR A PERIOD OF ONE (ONE) YEAR FOLLOWING ARCHITECT'S CERTIFICATION OF SUBSTANTIAL COMPLETION, AND SHALL REMEDY ANY DEFECTS IN SUCH WORK THAT ARISE DURING THAT TIME AT NO COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING AND/OR GROUNDS WHERE REQUIRED BY NEW CONSTRUCTION AND OWNER SUPPLIED FURNISHINGS AND EQUIPMENT.
- FIRE STOPPING IS REQUIRED AT ALL WALL, FLOOR AND CEILING PENETRATIONS. FIRE STOPPING SHALL MEET THE REQUIRED FIRE RATING OF THE CONSTRUCTION.
- CONTRACTOR'S EQUIPMENT AND MATERIALS TO REMAIN ON SITE DURING THE COURSE OF WORK SHALL AT THE END OF EACH DAY BE STORED IN THE PROVIDED STAGING AREA.

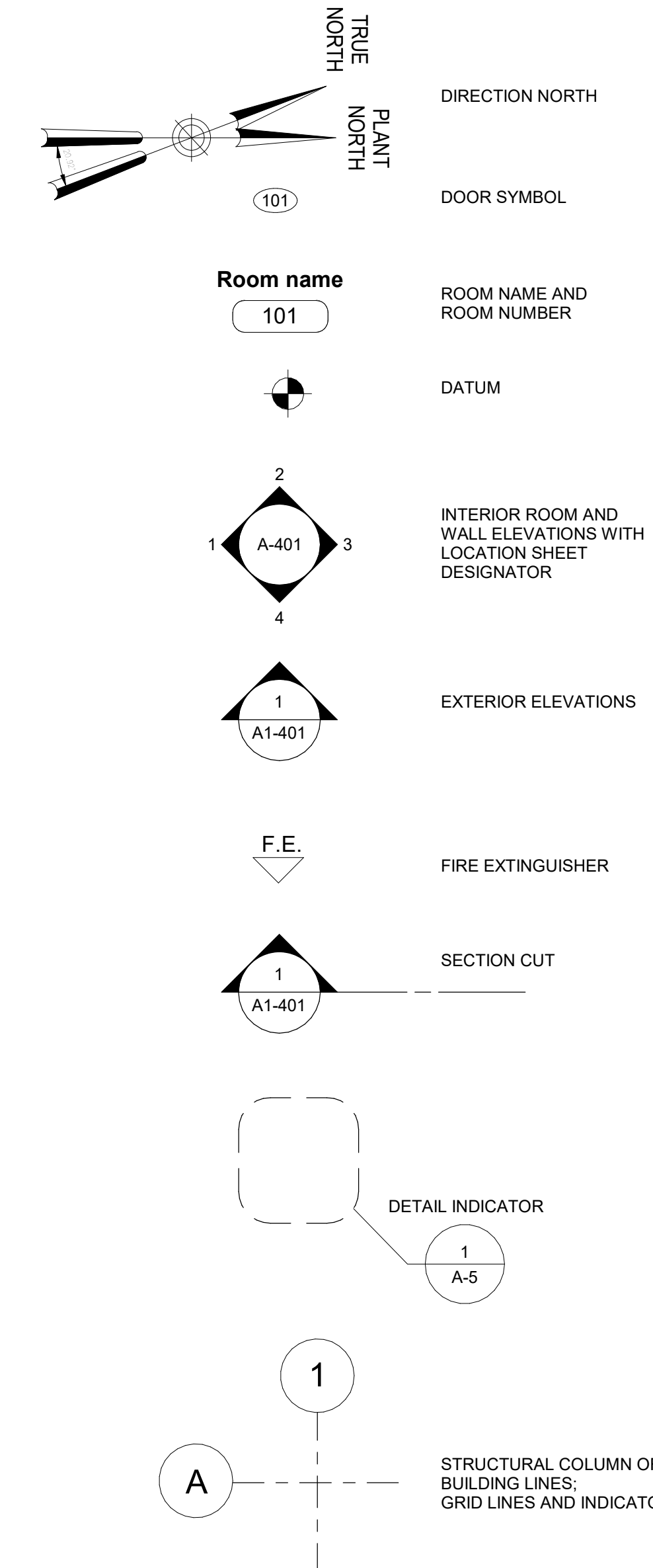
ARCHITECTURAL ABBREVIATIONS

<p>"A" AND & @ AB ABR ACT ADD'L ADJ AFF ALT ALUM APPD ARRROX ARCH ASPH</p> <p>"B" B OR BOT B/ OR BO BD BFF BIT BLDG BLK BM BOD BOL BOP BRG</p> <p>"C" CJ CANTIL CEM CHAN CHEM CL CLG CLR CMU COL COMBO CONG CONST CONST JT CONT CONTD CONTR COORD CORR CORRUG CSK CSKSCR CTR</p> <p>"D" DEG DET DEMO DIA DIAG DIM DIV DL DN DR DWG DWL</p> <p>"E" EL EA EF EL ENGR EP EQ EQUIP EQUIV ES EW EXC EXF EXS EXH EXP STR EXIST OR EX EXP EXT</p> <p>"F" FAC FD FDN FE FF FFE FIN GR FIN FL FIXT FIN FL OR FLR FR FS FT FTG FV</p>	<p>AND ANCHOR BOLTS ABRASIVE ACOUSTICAL CEILING TILE ADDITIONAL ADJUSTABLE ABOVE FINISHED FLOOR ALTERNATE ALUMINUM APPROVED APPROXIMATE ARCHITECTURAL ASPHALT</p> <p>BOTTOM BOTTOM OF BOARD BELOW FINISHED FLOOR BITUMINOUS BUILDING BLOCK / BLOCKING BEAM BOTTOM OF DUCT BOTTOM OF LOUVER BOTTOM OF PIPE BEARING</p> <p>CONTROL JOINT CANTILEVER CEMENT CHANNEL CHEMICAL RESISTANT CENTERLINE CEILING CLEAR CONCRETE MASONRY UNITS COLUMN COMBINATION CONCRETE CONSTRUCTION CONSTRUCTION JOINT CONTINUE / CONTINUOUS CONTINUED CONTRACT / CONTRACTOR COORDINATE CORRIDOR CORRUGATED COUNTERSINK COUNTERSUNK SCREW CENTER</p> <p>DEGREE DETAIL DEMOLISH / DEMOLITION DIAMETER DIAGONAL / DIAGRAM DIMENSION DIVISION DEAD LOAD DOWN DOOR DRAWING DOWEL</p> <p>EXPANSION JOINT EACH EACH FACE ELEVATION ELECTRIC / ELECTRICAL ENGINEER ESCAPE PIPING EQUAL EQUIPMENT EQUIVALENT EXPOSED STRUCTURE EACH WAY EXCAVATION EXHAUST FAN EXHAUST STACK EXHAUST EXPOSED STRUCTURE EXISTING EXPANSION / EXPOSED EXTERIOR</p> <p>FACTORY FLOOR DRAIN / FOOTING DRAIN FOUNDATION FIRE EXTINGUISHER FACTORY FINISH FINISH FLOOR ELEVATION FINISHED GRADE FINISHED FLOOR FIXTURE FINISH FLOOR FRAME FLUE STACK FEET FOOTING FIELD VERIFY</p>	<p>"G" GAGE / GAUGE GALV GALVANIZED GB GRADE BEAM / GRAB BAR GL GLASS GR GRADE GRD GROUND GS GALVANIZED STEEL GVL GRAVEL GWB GYPSUM WALL BOARD</p> <p>"H" HB HD HDW HGT HM HMD HMF HORIZ HP HVAC</p> <p>"I" I.F. INCL IND INFO INSUL INT INV</p> <p>"J" JST JT</p> <p>"K" KD KFS KFT KP</p> <p>"L" L LAM LB LBS LF LG LLH LLV LP LV</p> <p>"M" MAN. MATL MAX MCP MD MECH MET MFG MFR MIN MISC MOD MP MS MTD MTL</p> <p>N NORTH N/A NOT APPLICABLE NC NON COMBUSTIBLE NF NEAR FACE NIC NOT IN CONTRACT NIC NO. OR # NUMBER NOM NOMINAL NS NEAR SIDE NTS NOT TO SCALE</p> <p>"O" OC O.F. OH OPNG OPP</p>	<p>"P" PAR PART. PERF PF PJ PL PLWD PLUMB. PNL PR PRE PREFAB PREFIN PRI PRMLD P.T. PVC PVT PWE "Q"</p> <p>QUAL QTY</p> <p>"R" RAD RB RD RECT REF REINF REQD REV RFG RM RO</p> <p>"S" S S/C SCH SEC SECT SF SIM SHT SIM REV SJ SPEC SQ SS STA STD STIFF STI STOR STRU SUSP SYM</p> <p>"T" T T/ OR T.O. TBD TEMP TH THRD TOB TOD TOF TOL TOS TOT TOW TYP</p> <p>UNLESS OTHERWISE NOTED UNDERSIDE</p> <p>"V" VCT VERT VP</p> <p>"W" W/O W/ W WEST WD WF WLD WP WT</p>	<p>PARALLEL PARTITION PERFORATED PURGE FAN PANEL JOINT PLATE PLYWOOD PLUMBING PANEL PAIR POWER ROOF EXHAUSTER PREFABRICATED PRE FINISHED PRIMARY PRE MOLDED PRESSURE TREATED PAINT / PAINTED POLYVINYL CHLORIDE PAVEMENT POWER WALL EXHAUSTER</p> <p>QUALITY QUANTITY</p> <p>RADIUS ROOF BEAM ROOF DRAIN RECTANGLE / RECTANGULAR REFERENCE REINFORCE REQUIRED REVISION / REVISED ROOFING ROOM ROUGH OPENING</p> <p>SOUTH SITE/CIVIL SCHEDULE SECOND SECTION SQUARE FOOT SIMILAR SHEET SIMILAR REVERSED STEEL JOIST SPECIFICATION SQUARE STAINLESS STEEL STATION STANDARD STIFFENER STEEL STORAGE STRUCTURE / STRUCTURAL SUSPEND / SUSPENDED SYMMETRICAL / SYMMETRICALLY</p> <p>TOP TOP OF TO BE DETERMINED TEMPERATURE THICK THREAD / THREADED TOP OF BLOCK TOP OF DUCT TOP OF FOOTING TOP OF LOUVER TOP OF SLAB / TOP OF STEEL TOTAL TOP OF WALL TYPICAL</p> <p>UNLESS OTHERWISE NOTED UNDERSIDE</p> <p>VINYL COMPOSITION TILE VERTICAL VENT PIPE</p> <p>WITHOUT WITH WEST WOOD WATER FOUNTAIN WELD / WELDED WATER PROOFING WEIGHT</p>
---	---	--	--	---

ARCHITECTURAL GRAPHIC CONVENTIONS

	BACKFILL		GYPSUM WALL BOARD
	BATT INSULATION		PLYWOOD
	CELL VENT/ WEEP VENT		RIGID BOARD INSULATION
	CONCRETE, CAST STONE AND/OR PRECAST CONCRETE		SHIM
	CONC. MASONRY UNIT (CMU)		STEEL
	GRAVEL		WOOD BLOCKING
	GROUT OR MORTAR		

ARCHITECTURAL SYMBOLS



Autodesk Docs/09290-02A_CAD-473 W/0-02A Waterfowl Mgmt Program/09290-02A_A_WFB.rvt
 7/20/2023 10:24:33 AM

GoshowArchitects
 20 W 22nd St, Suite 901 | New York, NY 10010
 P 212.242.3735

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CHECKED BY: E. CLAASSEN	DESIGN LEAD: EDWARD BARBOE, P.E.

Hazen

ACCOUNTABLE MANAGER
JOSE NIEVES

PORTFOLIO MANAGER
MARK DELBALZO, P.E.

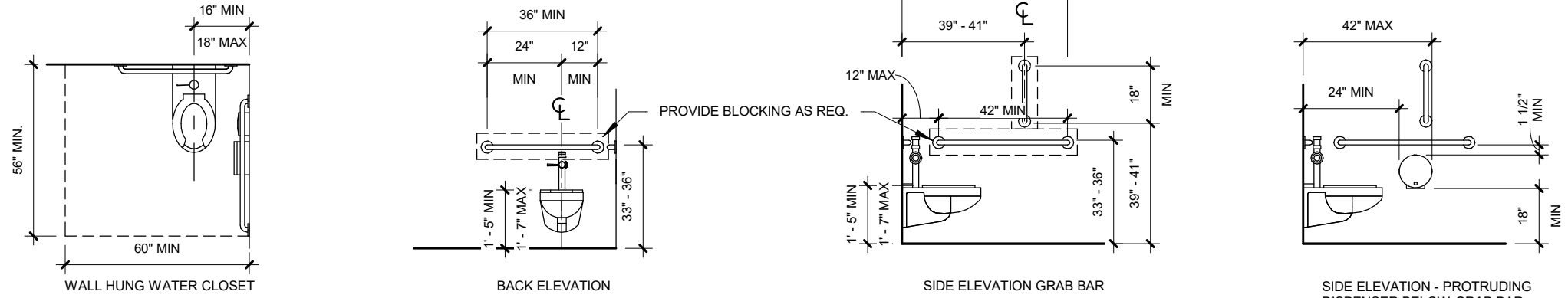
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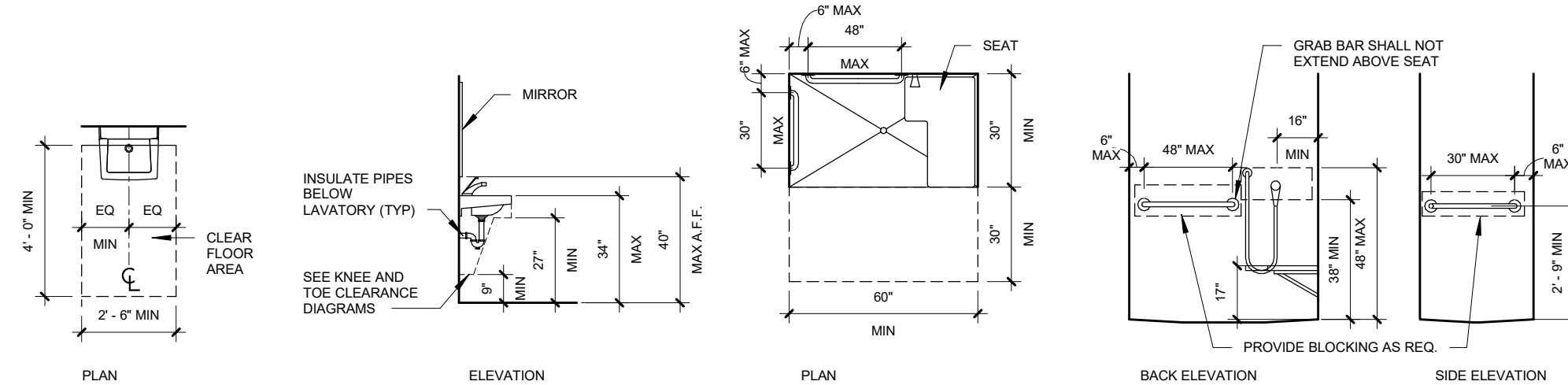
CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL GENERAL NOTES AND SYMBOLS	DATE: JANUARY 2021 SCALE: SHEET NO: 42 OF No. 80 DRAWING NO. A0-001

ACCESSIBILITY DIAGRAMS



TYPICAL ACCESSIBLE CLEARANCES - WALL HUNG TOILET

SPACING OF GRAB BARS



TYPICAL ACCESSIBLE LAVATORY

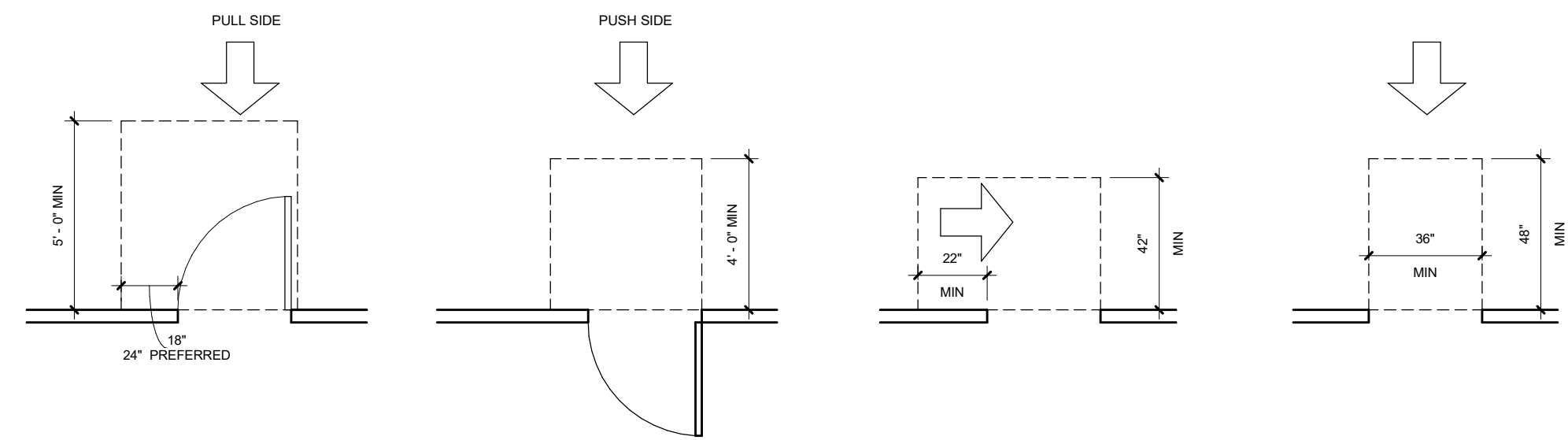
TYPICAL ACCESSIBLE SHOWER (STANDARD ROLL-IN TYPE)

DRINKING FOUNTAIN SPOUT LOCATION

KNEE CLEARANCE

TOE CLEARANCE

TYPICAL FRONT LOADING WASHER / DRYER



FRONT APPROACH - SWING DOOR

SIDE APPROACH - DOORWAY WITHOUT DOORS

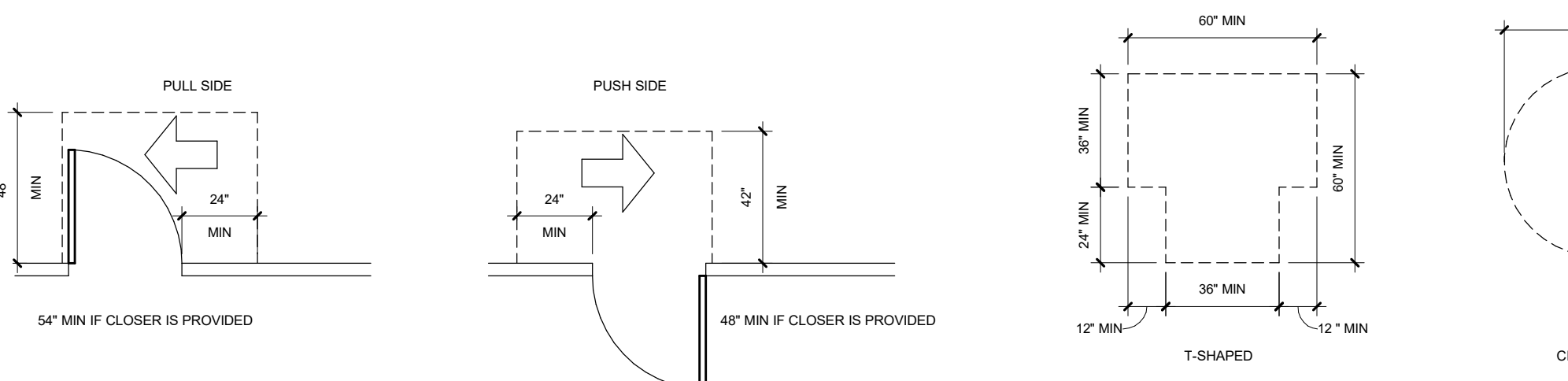
FRONT APPROACH - DOORWAY WITHOUT DOORS

HINGE SIDE APPROACHES - SWING DOOR

OBSTRUCTED HIGH FORWARD REACH

UNOBSTRUCTED SIDE REACH

OBSTRUCTED HIGH SIDE REACH

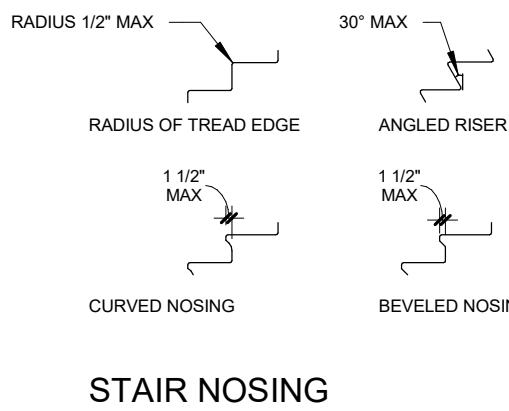


LATCH SIDE APPROACHES - SWING DOOR

TURNING SPACE

CLEAR FLOOR SPACE

TREADS AND RISERS



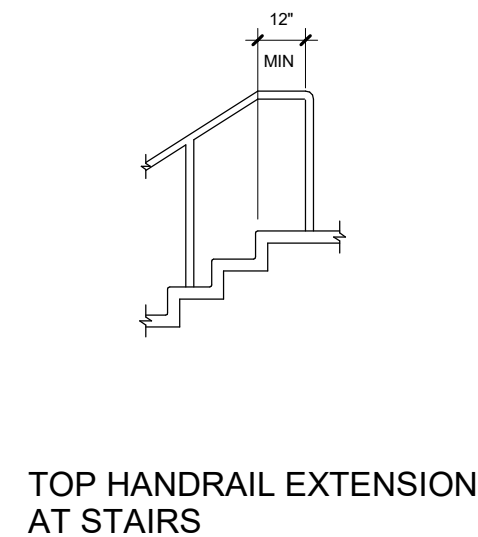
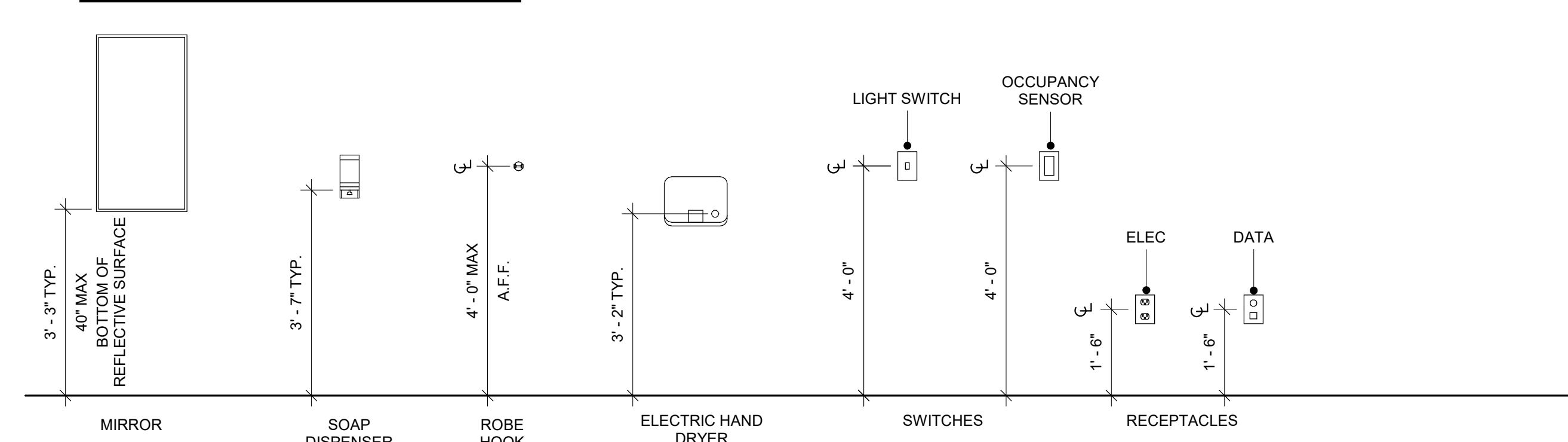
STAIR NOSING

HANDRAIL HEIGHT

HANDRAIL CLEARANCE

HORIZONTAL PROJECTIONS BELOW GRIPPING SURFACE

TYPICAL MOUNTING HEIGHTS



TOP HANDRAIL EXTENSION AT STAIRS

BOTTOM HANDRAIL EXTENSION AT STAIRS

BEVELED CHANGES IN LEVEL

LIMITS OF PROTRUDING OBJECTS

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NYC
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ACCOUNTABLE MANAGER: JOSE NIEVES
PORTFOLIO MANAGER: MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL ACCESSIBILITY DETAILS

DATE: JANUARY 2021
SCALE:
SHEET NO: 43 OF No. 80
DRAWING NO. A0-002

2020 NEW YORK STATE BUILDING CODE

WITH THE 2017 NEW YORK STATE UNIFORM CODE SUPPLEMENT

CODE REFERENCE	REQUIREMENT	PROVIDED
USE AND OCCUPANCY CLASSIFICATION / CHAPTER 3		
OCCUPANCY CLASSIFICATION NYSBC-302		MIXED OCCUPANCY: GROUP B - BUSINESS GROUP S-1 - MODERATE HAZARD STORAGE GROUP S-2 - LOW HAZARD STORAGE
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / CHAPTER 4		
CONTROL AREAS / NYSBC TABLE 414.2.2		
414.2.1 CONSTRUCTION REQUIREMENTS	FLOOR LEVEL ABOVE GRADE PLANE 1 FLOOR 0 HR (IB: NYSBC 601) ROOF 0 HR (IB: NYSBC 601) FIRE BARRIER SEE 414.2.4 BELOW	FLOOR LEVEL ABOVE GRADE PLANE 1 FLOOR 0 HR (IB: NYSBC 601) ROOF 0 HR (IB: NYSBC 601) FIRE BARRIER SEE 414.2.4 BELOW
414.2.2 PERCENTAGE OF MAXIMUM ALLOWABLE QUANTITY	PERCENTAGE PER CONTROL AREA 100%	PERCENTAGE PER CONTROL AREA 100%
414.2.3 NUMBER	NUMBER OF CONTROL AREAS PER FLOOR 4	NUMBER OF CONTROL AREAS PER FLOOR 2
414.2.4 FIRE-RESISTANCE-RATING REQUIREMENTS	FIRE RESISTANCE RATING FOR FIRE BARRIER 1 HOUR	FIRE RESISTANCE RATING FOR FIRE BARRIER 1 HOUR
GENERAL BUILDING HEIGHTS AND AREAS / CHAPTER 5		
ALLOWABLE HEIGHT ABOVE GRADE PLANE / NYSBC-TABLE 504.3		
NYSBC 504.2 MIXED OCCUPANCY. IN A BUILDING CONTAINING MIXED OCCUPANCIES IN ACCORDANCE WITH SECTION 508, NO INDIVIDUAL OCCUPANCY SHALL EXCEED THE HEIGHT AND NUMBER OF STORY LIMITS SPECIFIED IN THIS SECTION FOR THE APPLICABLE OCCUPANCIES.	TYPE IIB, NON-SPRINKLERED GROUP B: 55 FEET GROUP S: 55 FEET	TYPE IIB, NON-SPRINKLERED 22 FEET
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE / NYSBC-TABLE 504.4		
NYSBC 504.2 MIXED OCCUPANCY. IN A BUILDING CONTAINING MIXED OCCUPANCIES IN ACCORDANCE WITH SECTION 508, NO INDIVIDUAL OCCUPANCY SHALL EXCEED THE HEIGHT AND NUMBER OF STORY LIMITS SPECIFIED IN THIS SECTION FOR THE APPLICABLE OCCUPANCIES.	TYPE IIB, NON-SPRINKLERED GROUP B: 3 STORIES GROUP S-1: 2 STORIES GROUP S-2: 3 STORIES	TYPE IIB, NON-SPRINKLERED 1 STORY
ALLOWABLE AREA FACTOR / NYSBC-TABLE 506.2		
	TYPE IIB, NON-SPRINKLERED GROUP B: 23,000 SF GROUP S-1: 17,500 SF GROUP S-2: 26,000 SF	TYPE IIB, NON-SPRINKLERED GROUP B: 1,831 SF GROUP S-1: 146 SF GROUP S-2: 2,051 SF
MIXED USE AND OCCUPANCY / NYSBC-SECTION 508		
NYSBC 508.3 NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE. IN ADDITION, THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA.		
TYPES OF CONSTRUCTION / CHAPTER 6		
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS / NYSBC-TABLE 601		
PRIMARY STRUCTURAL FRAME	TYPE IIB - NONCOMBUSTIBLE	TYPE IIB - NONCOMBUSTIBLE
BEARING WALLS EXTERIOR INTERIOR	FIRE RESISTANCE (0) HOURS	FIRE RESISTANCE (0) HOURS
NONBEARING WALLS AND PARTITIONS EXTERIOR INTERIOR	(0) HOURS (0) HOURS	(0) HOURS (0, 1) HOURS
FLOOR CONSTRUCTION	(0) HOURS	(0) HOURS
ROOF CONSTRUCTION	(0) HOURS	(0) HOURS
INTERIOR FINISHES / CHAPTER 8		
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY / NYSBC TABLE 803.13		
INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS	NON-SPRINKLERED GROUP B: CLASS A GROUP S: CLASS B	NON-SPRINKLERED CLASS A
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	GROUPS B, S: CLASS B	CLASS B
ROOMS AND ENCLOSED SPACES	GROUPS B, S: CLASS C	CLASS C
FIRE PROTECTION SYSTEMS / CHAPTER 9		
AUTOMATIC SPRINKLER SYSTEMS / NYSBC 903.2		
(GROUP B - NOT REQUIRED) 903.2.9 GROUP S-1 (GROUP S-2 - NOT REQUIRED) (GROUP U - NOT REQUIRED)	REQUIRED WHERE S-1 FIRE AREA EXCEEDS 12,000 SF, OR IS LOCATED MORE THAN THREE STORIES ABOVE GRADE PLANE	NOT REQUIRED
MEANS OF EGRESS / CHAPTER 10		
OCCUPANT LOAD / NYSBC TABLE 1004.5		
BUSINESS AREAS 150 GROSS ACCESSORY STORAGE / MECH 300 GROSS ASSEMBLY UNCONCENTRATED 15 NET	AREAS WITH DIRECT EXIT TO EXTERIOR: FUEL STORAGE S-1 88 SF / 300 1 OCC OUTDOOR STORAGE S-2 77 SF / 300 1 OCC MECH. ROOM S-2 133 SF / 300 1 OCC BOAT WASH S-2 1014 SF / 300 4 OCC	
	AREAS WITH INTERIOR EGRESS: BUSINESS B 1584 SF / 150 11 OCC BUSINESS (BREAK RM) B 247 SF / 15 17 OCC PYRO. STORAGE S-1 58 SF / 300 1 OCC WORKSHOP S-2 500 SF / 300 2 OCC LAUNDRY / PPE S-2 327 SF / 300 2 OCC	

CODE REFERENCE	REQUIREMENT	PROVIDED
MEANS OF EGRESS SIZING / NYSBC-SECTION 1005		
STAIRWAYS	0.3" / OCC (0.3" X 59 OCC = 18") 44" MINIMUM (NYSBC 1011.2)	6'-0" WIDTH
OTHER EGRESS COMPONENTS	0.2" / OCC (0.2" X 59 = 12") DOORS - 32" MIN. CLEAR (IBC 1010.1.1) CORRIDORS - 44" MIN. (NYSBC TABLE 1020.2)	32" MIN. CLEAR 54" MIN.
MINIMUM NUMBER OF EXITS / NYSBC-SECTION 1006		
NYSBC 1006.3.3.1 MIXED OCCUPANCIES IN EACH STORY OF A MIXED OCCUPANCY BUILDING, THE MAXIMUM NUMBER OF OCCUPANTS SERVED BY A SINGLE EXIT SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE CALCULATED NUMBER OF OCCUPANTS OF THE SPACE DIVIDED BY THE ALLOWABLE NUMBER OF OCCUPANTS INDICATED IN TABLE 1006.3.3(2)	STORIES WITH ONE EXIT: TABLE 1006.3.3(2) B - 49 OCCUPANTS MAX S - 29 OCCUPANTS MAX	B - CALCULATED / ALLOWABLE 28 OCC / 49 OCC = 0.57 S - CALCULATED / ALLOWABLE 5 OCC / 29 OCC = 0.17 0.57 + 0.17 = 0.74 0.74 < 1.0 ONE EXIT REQUIRED
MAXIMUM COMMON PATH OF EGRESS TRAVEL / NYSBC-TABLE 1006.3.3(2)		
	B - 75 FEET MAX S - 75 FEET MAX	65 FEET
EXIT ACCESS TRAVEL DISTANCE / NYSBC-TABLE 1017.2		
	B, S-1 - 200 FEET MAX S-2 - 300 FEET MAX	115 FEET

ENERGY CODE COMPLIANCE NOTES

REFERENCED CODES:
 • 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYCECC)
 • ASHRAE 90.1-2013

CLIMATE ZONE: 4A (NYSECC C301.1)

OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS
(NYSECC TABLE C402.1.3)

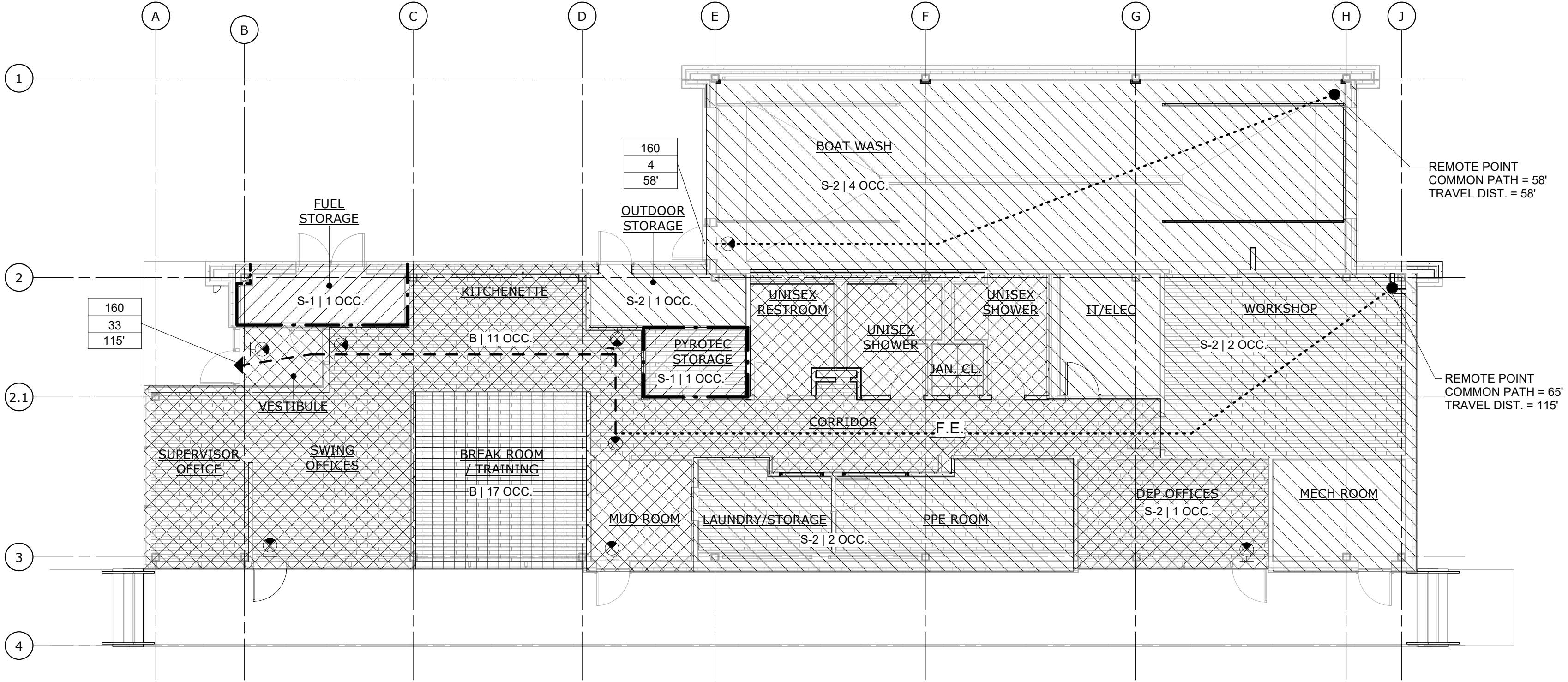
ROOFS	R-30 ci	INSULATION ENTIRELY ABOVE ROOF DECK
WALLS, ABOVE GRADE	R-13 + R-7.5ci	METAL FRAMED
WALLS, BELOW GRADE	R-7.5 ci	
FLOORS	R-10 ci	MASS
SLAB-ON-GRADE	R-10, 24"	UNHEATED SLAB

BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS
(NYSECC TABLE C402.4)

SEE SPECIFICATION SECTION 08800

PROFESSIONAL STATEMENT:
 TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE SUBMITTED PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 'ENERGY CODE.'

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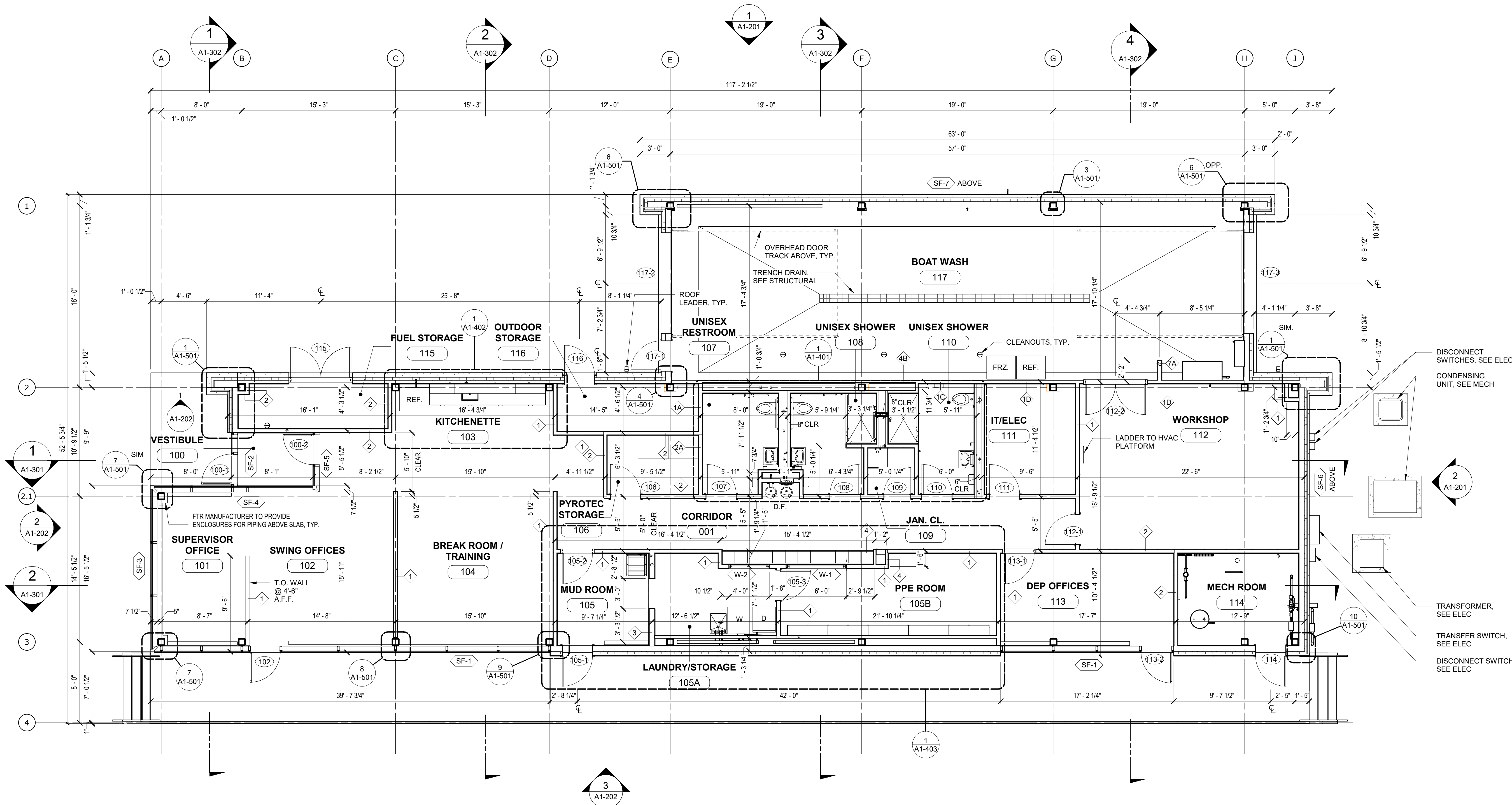
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FLOOR PLAN
SCALE: 3/16" = 1'-0"

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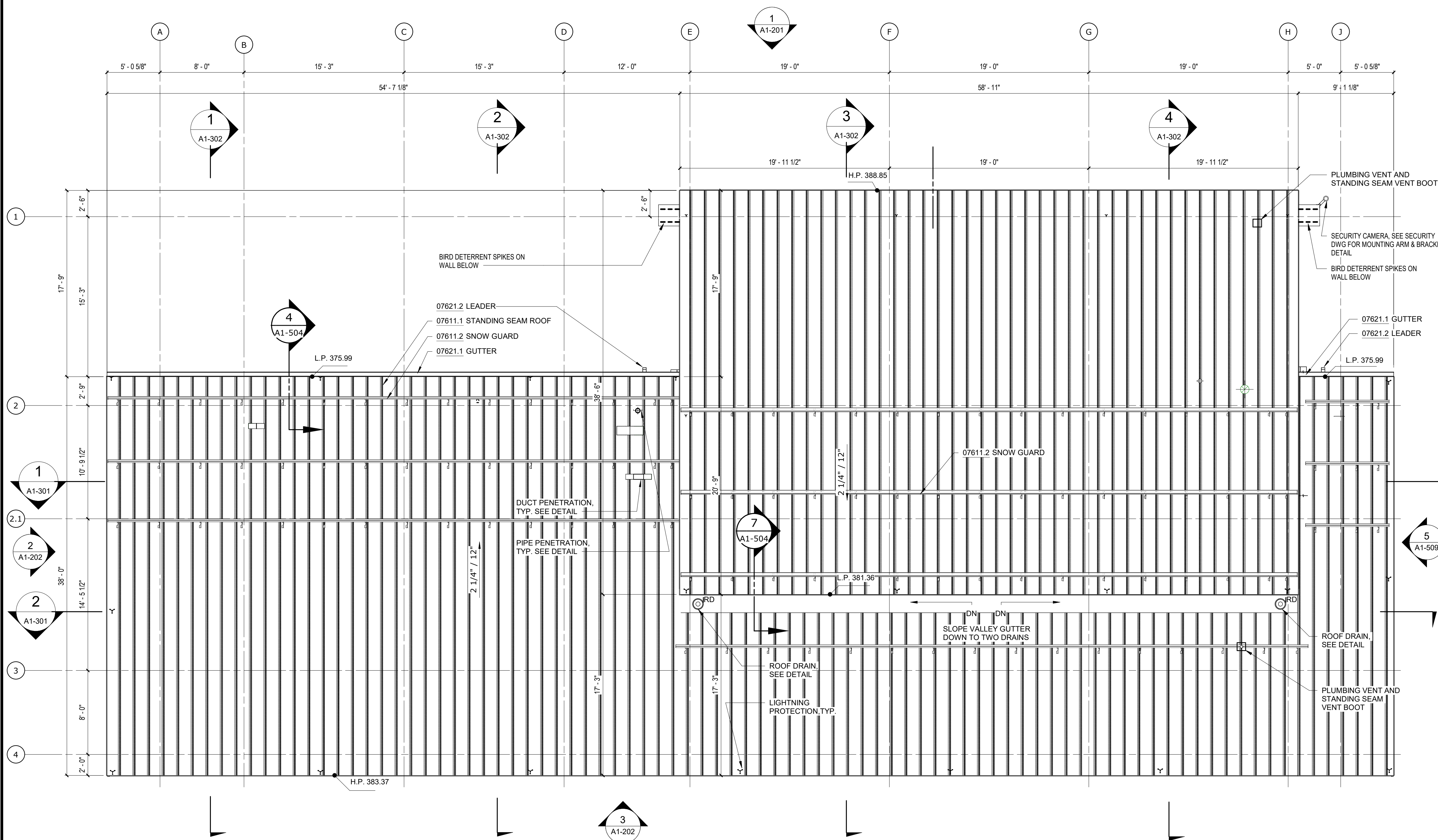
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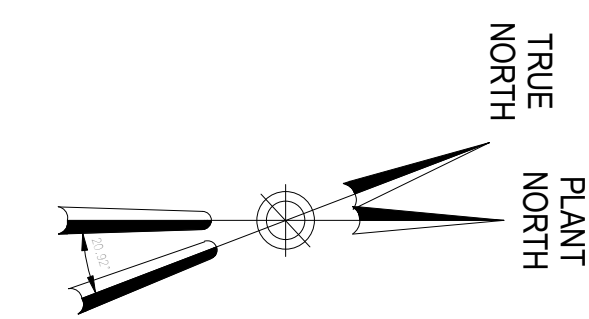
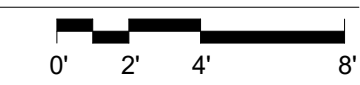
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NOTES - ROOF PLAN

DIVISION 7		
07611.1	STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF
07611.2	SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
07621.1	GUTTER	SQUARE GALVALUME GUTTER, COLOR TO MATCH STANDING SEAM ROOF. GUTTER SLOPE 1/8" PER FOOT TOWARDS LEADER.
07621.2	LEADER	SQUARE GALVALUME LEADER, COLOR TO MATCH STANDING SEAM ROOF



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



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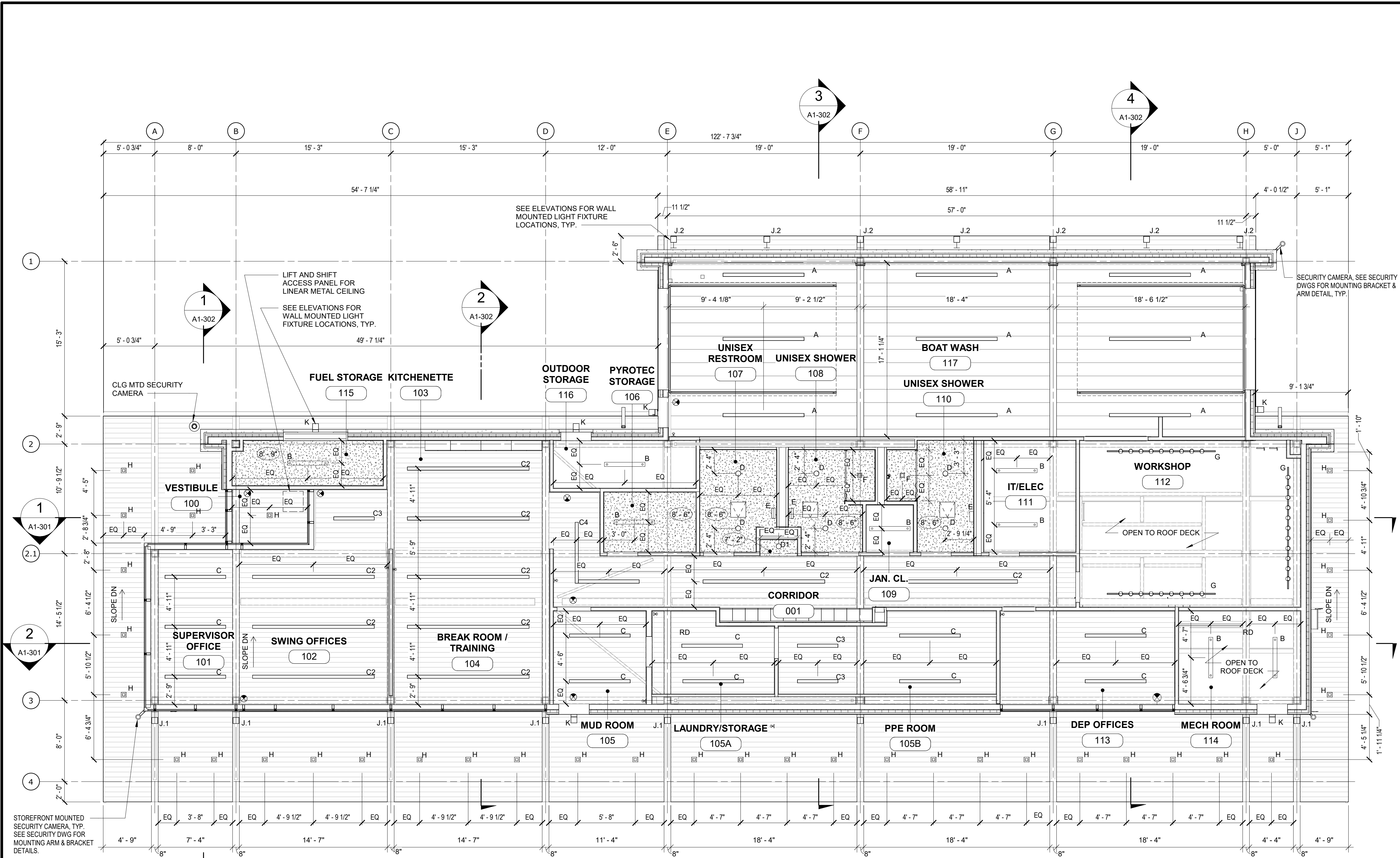
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ROOF PLAN

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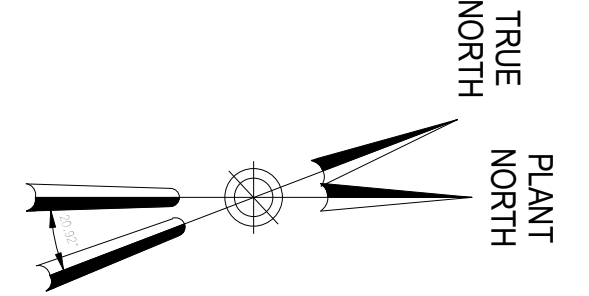
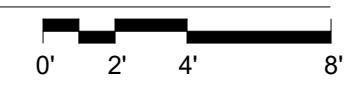
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- RCP LEGEND:**
- A 6' DIRECT / INDIRECT LED PENDANT - HIGH OUTPUT
 - B 4' LED PENDANT - BACK OF HOUSE
 - C 6' DIRECT / INDIRECT LED PENDANT
 - C2 12' DIRECT / INDIRECT LED PENDANT
 - C3 4' DIRECT / INDIRECT LED PENDANT
 - C4 12' L-SHAPED DIRECT / INDIRECT LED PENDANT
 - C5 9' DIRECT / INDIRECT LED PENDANT - BOAT WASH
 - D ROUND RECESSED DOWNLIGHT
 - D1 ROUND RECESSED DOWNLIGHT
 - E WALL MOUNTED VANITY LIGHT
 - F SQUARE RECESSED DOWNLIGHT - SHOWER
 - G TRACK LIGHT, ATTACHED TO STEEL TRUSS
 - H 2" EXTERIOR RECESSED DOWNLIGHT, SQUARE
 - J EXTERIOR WALL MOUNTED SCONCE
 - K EXTERIOR WALL MOUNTED LIGHT
 - LINEAR METAL CEILING
 - PVC CEILING PANELS
 - GYP BD CEILING
 - ACCESS PANEL FOR GYP BD CEILING
 - 2' X 2' METAL CEILING ACCESS PANEL

REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"



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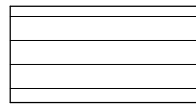
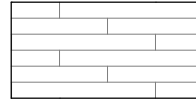
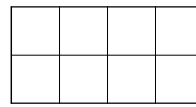
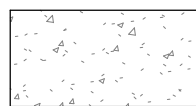
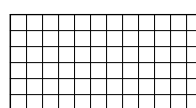

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NOTES - FINISH PLAN

- 06640.1 1/2" PVC PANEL
- 07460.1 FIBER CEMENT PANEL
- DIVISION 8
- 08361.0 OVERHEAD DOOR STEEL PANEL SECTIONAL OVERHEAD DOOR WITH VISION LITES
- DIVISION 12
- 12481.1 RECESSED ALUMINUM WALK-OFF MAT ALUMINUM GRID WITH RECESSED LEVEL BASE FRAME AND ALUMINUM DRAIN PAN

LEGEND

-  RECESSED WALK OFF MAT
-  LVT-1: 4" X 32" VINYL TILE FLOOR
-  CMT-1: 1" X 1" TILE
-  CONC: EXPOSED CONCRETE FLOOR
-  CMT 2: 1" X 1" MOSAIC TILE
-  SEF: SEAMLESS EPOXY FLOORING

FINISH SCHEDULE LEGEND

SUBSTRATES

- CMB: CEMENT BOARD, SEE PLANS AND PARTITION SCHEDULE
- CONC: 1/2" SELF-LEVELING CONCRETE GYPSUM WALL BOARD, SEE PLANS AND PARTITION SCHEDULE
- GWB: OPEN TO ABOVE
- OPEN: OPEN TO ABOVE

FLOOR FINISHES

- CFT: CERAMIC TILE 4" X 4"
- CONC: CLEAR SEALED CONCRETE
- LVT: LUXURY VINYL TILE 12" X 24"
- SEF: SEAMLESS EPOXY FLOORING

BASE FINISHES

- CB-1: CERAMIC COVE BASE
- VB-1: VINYL COVE BASE - 4"
- PVC: PVC BASE TRIM

WALL FINISHES

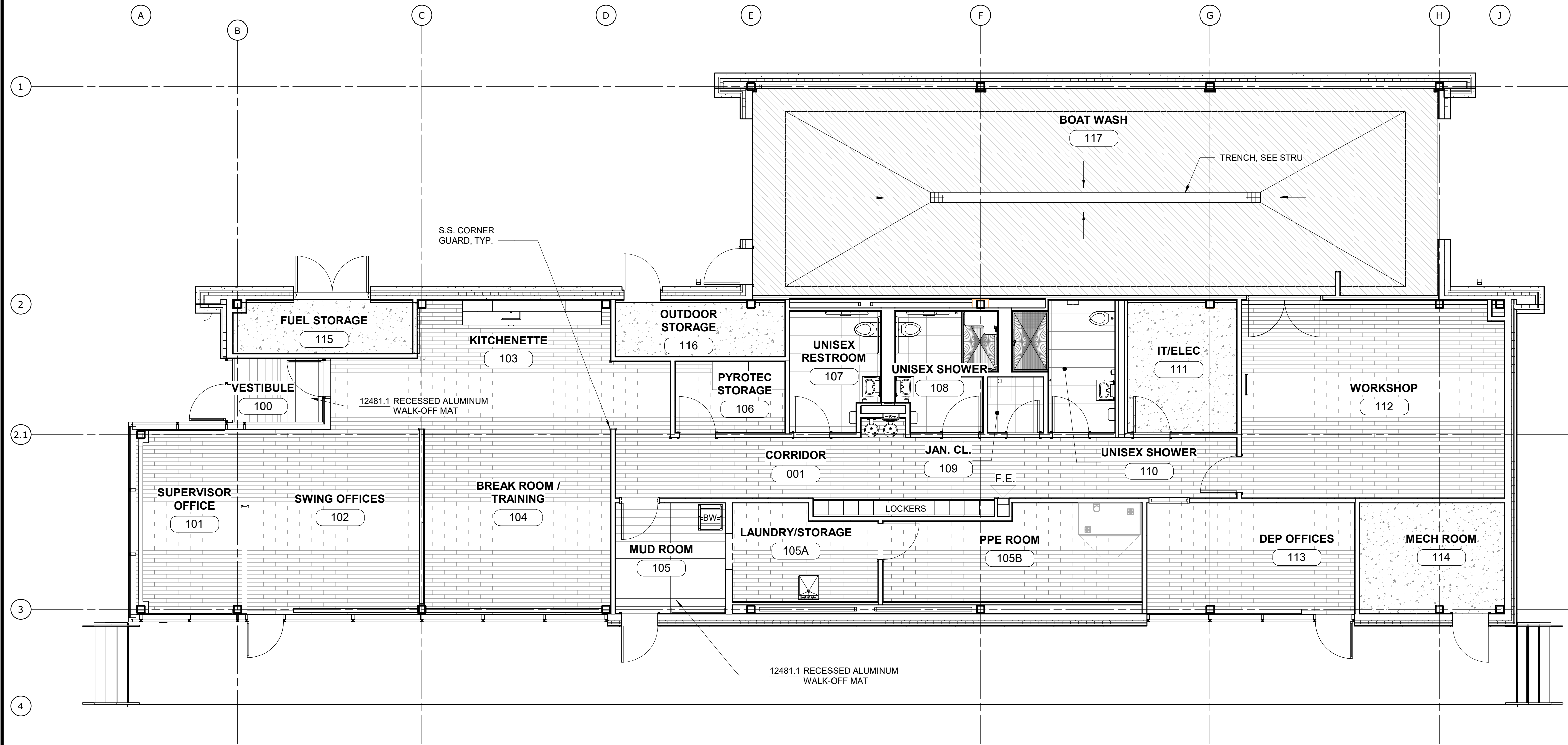
- CWT-1: CERAMIC WALL TILE
- CWT-2: CERAMIC TILE BACKSPLASH
- PT-1: WALL PAINT
- AL/GL: ALUMINUM / GLASS STOREFRONT
- PVC: PVC PANEL

CEILING FINISHES

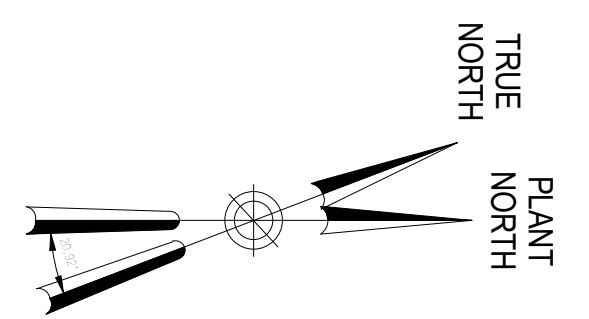
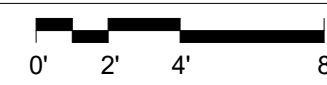
- MTL PNL: LINEAR METAL PANEL CEILING
- PT-2: CEILING PAINT
- PVC: PVC PANEL

NOTES:

1. ALL SUBSTRATES SHALL BE PREPPED PER FLOOR FINISH MANUFACTURER'S REQUIREMENTS.



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



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MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
FINISH PLAN

DATE: JANUARY 2021
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DRAWING NO.
A1-104

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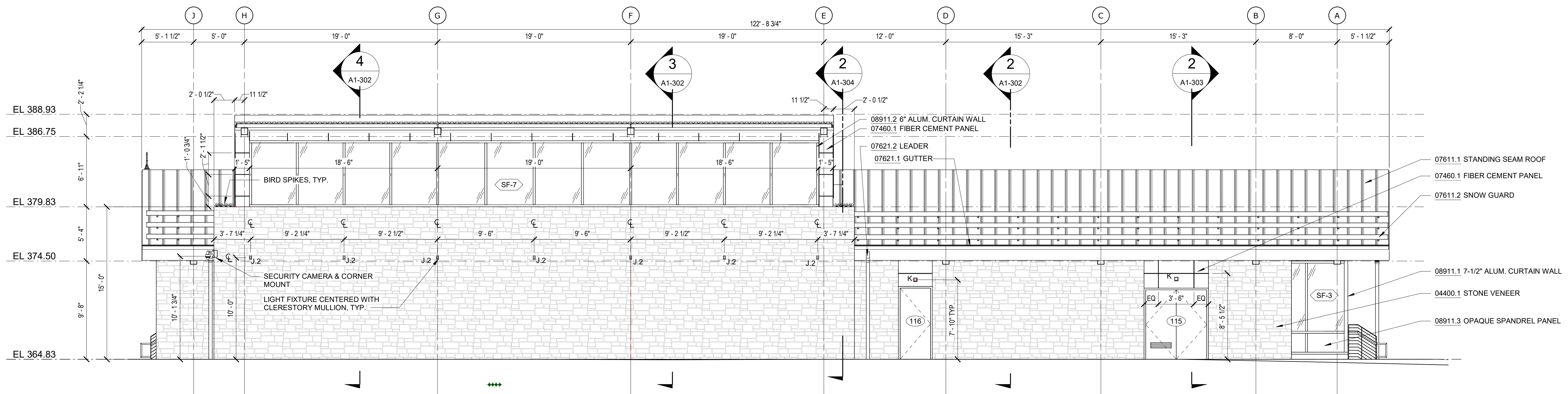
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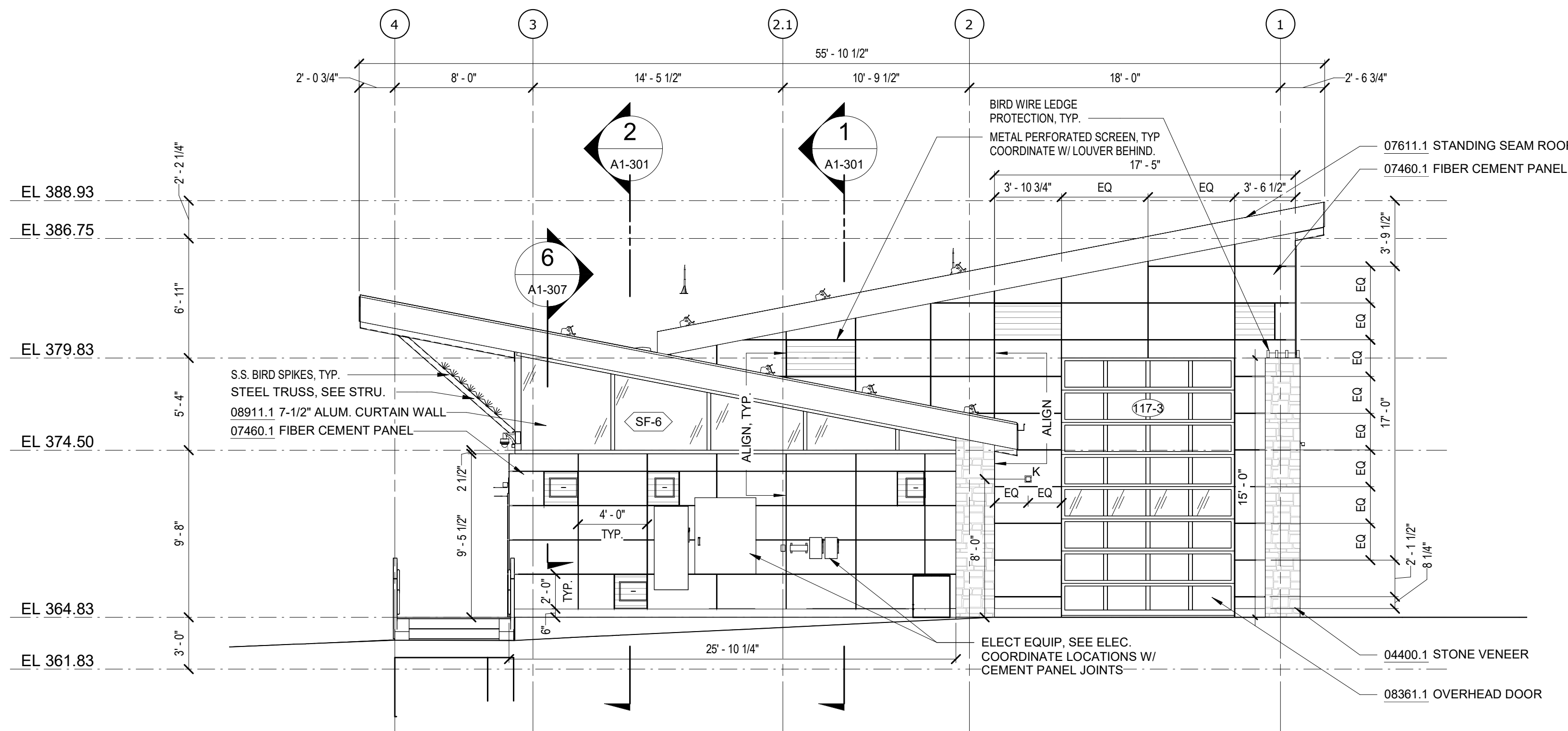
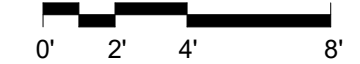
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

Autodesk Docs/09290_02A_CAD-473 WFO-02A Waterfowl Mgmt Program/09290_02A_A_WFB.rvt
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1 WEST ELEVATION
A1-201 SCALE: 3/16" = 1'-0"



2 NORTH ELEVATION
A1-201 SCALE: 3/16" = 1'-0"



NOTES - ELEVATION

DIVISION 4	04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
DIVISION 5	05523.1	S.S. RAILING	STAINLESS STEEL CABLE GUARDRAIL
DIVISION 7	07460.1	FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07611.1	STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF	
07611.2	SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING	
07621.1	GUTTER	SQUARE GALVALUME GUTTER, COLOR TO MATCH STANDING SEAM ROOF. GUTTER SLOPE 1/8" PER FOOT TOWARDS LEADER.	
07621.2	LEADER	SQUARE GALVALUME LEADER, COLOR TO MATCH STANDING SEAM ROOF	
DIVISION 8	08361.1	OVERHEAD DOOR	STEEL PANEL SECTIONAL OVERHEAD DOOR WITH VISION LITES
08911.1	7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH	
08911.2	6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH	
08911.3	OPAQUE SPANDREL PANEL	1" INSULATED ALUMINUM SPANDREL PANEL	
DIVISION 9	09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS

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J. HYUN
CHECKED BY:
E. CLAASSEN

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DESIGN LEAD:
EDWARD BARBOE, P.E.



ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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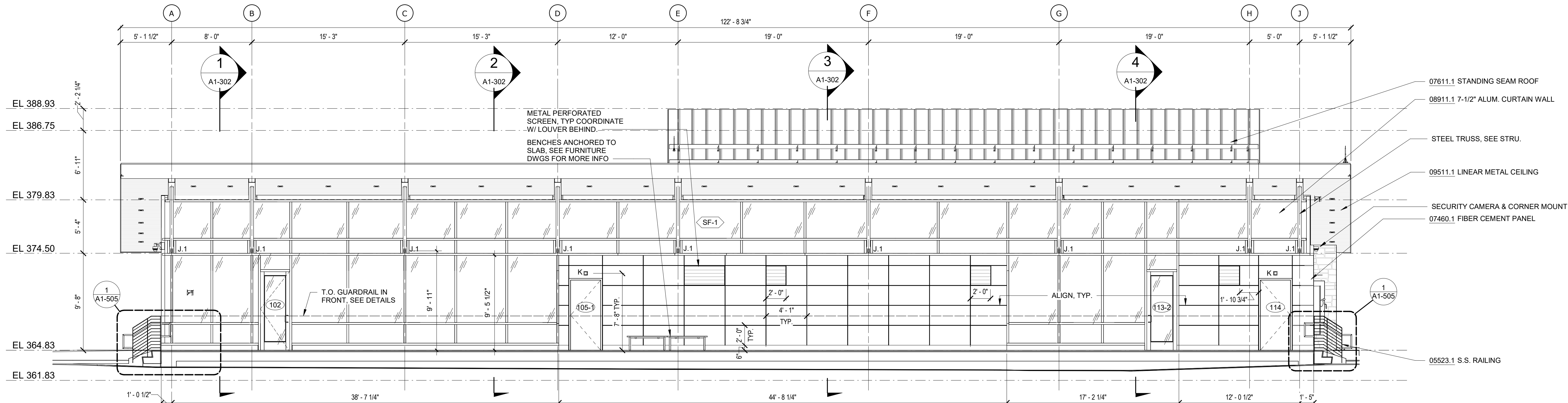
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AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
EXTERIOR ELEVATIONS

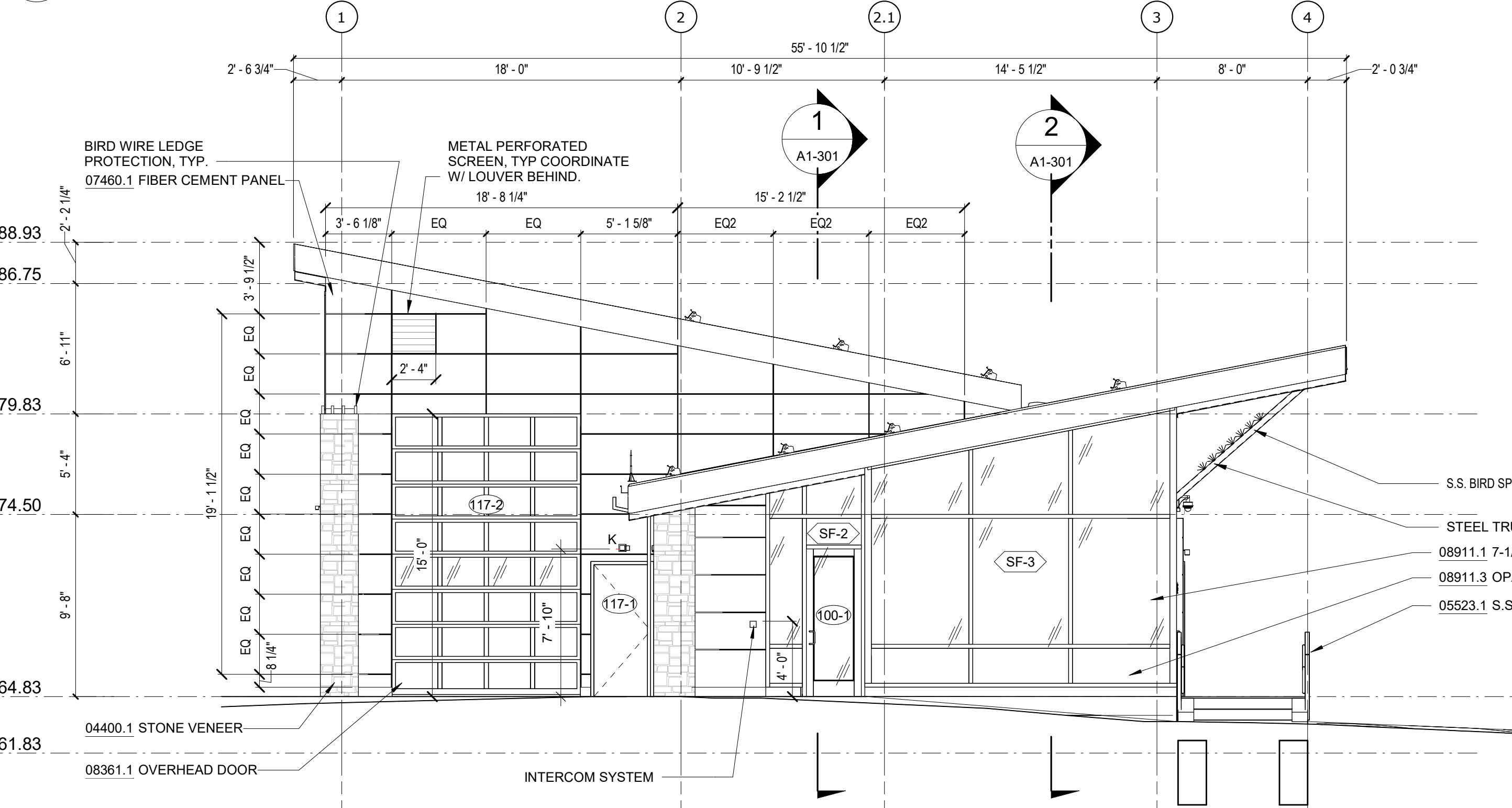
DATE: JANUARY 2021
SCALE:
SHEET NO:
49 OF No. 80
DRAWING NO.
A1-201

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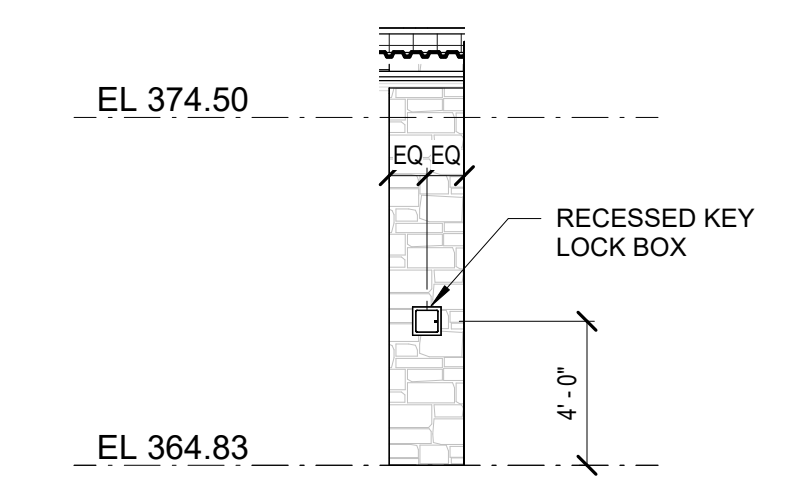
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3 EAST ELEVATION
SCALE: 3/16" = 1'-0"



2 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



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

NOTES - ELEVATION		
DIVISION 4	04400.1	STONE VENEER 4" FULL VENEER LIMESTONE
DIVISION 5	05523.1	S.S. RAILING STAINLESS STEEL CABLE GUARDRAIL
DIVISION 7	07460.1	FIBER CEMENT PANEL 5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07611.1		STANDING SEAM ROOF 22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF
07611.2		SNOW GUARD MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
07621.1		GUTTER SQUARE GALVALUME GUTTER, COLOR TO MATCH STANDING SEAM ROOF. GUTTER SLOPE 1/8" PER FOOT TOWARDS LEADER.
07621.2		LEADER SQUARE GALVALUME LEADER, COLOR TO MATCH STANDING SEAM ROOF
DIVISION 8	08361.1	OVERHEAD DOOR STEEL PANEL SECTIONAL OVERHEAD DOOR WITH VISION LITES
08911.1		7-1/2" ALUM. CURTAIN WALL 7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.2		6" ALUM. CURTAIN WALL 6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.3		OPAQUE SPANDREL PANEL 1" INSULATED ALUMINUM SPANDREL PANEL
DIVISION 9	09511.1	LINEAR METAL CEILING LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS

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ACCOUNTABLE MANAGER
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PORTFOLIO MANAGER
MARK DELBALZO, P.E.

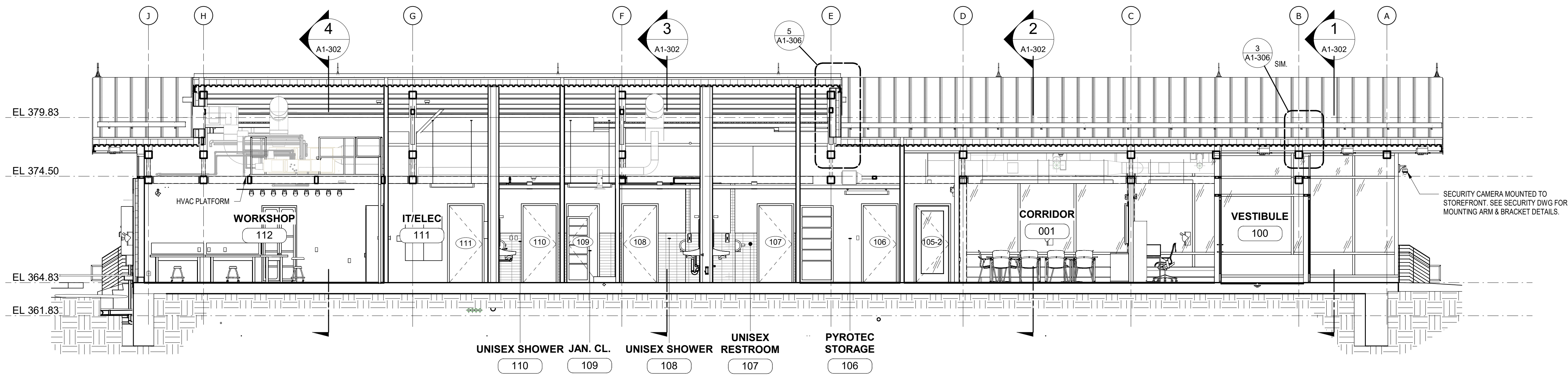
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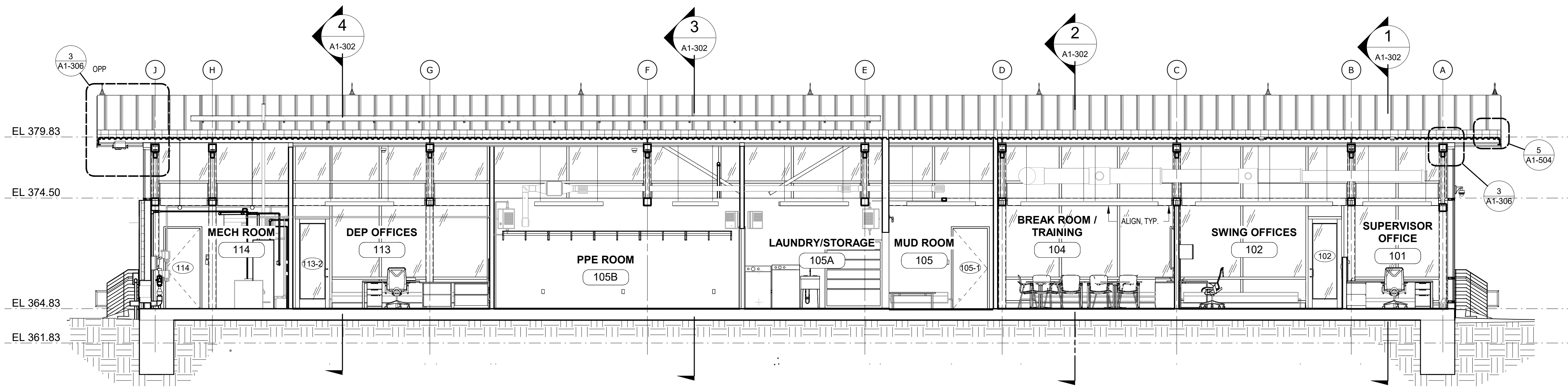
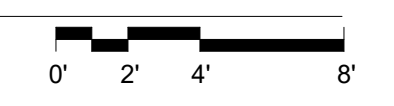
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL EXTERIOR ELEVATIONS	DATE: JANUARY 2021
	SCALE: SHEET NO: 50 OF No. 80
	DRAWING NO. A1-202

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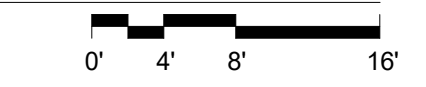
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1 LONGITUDINAL SECTION 1
SCALE: 3/16" = 1'-0"



2 LONGITUDINAL SECTION 2
SCALE: 3/16" = 1'-0"



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 MARK DELBALZO, P.E.

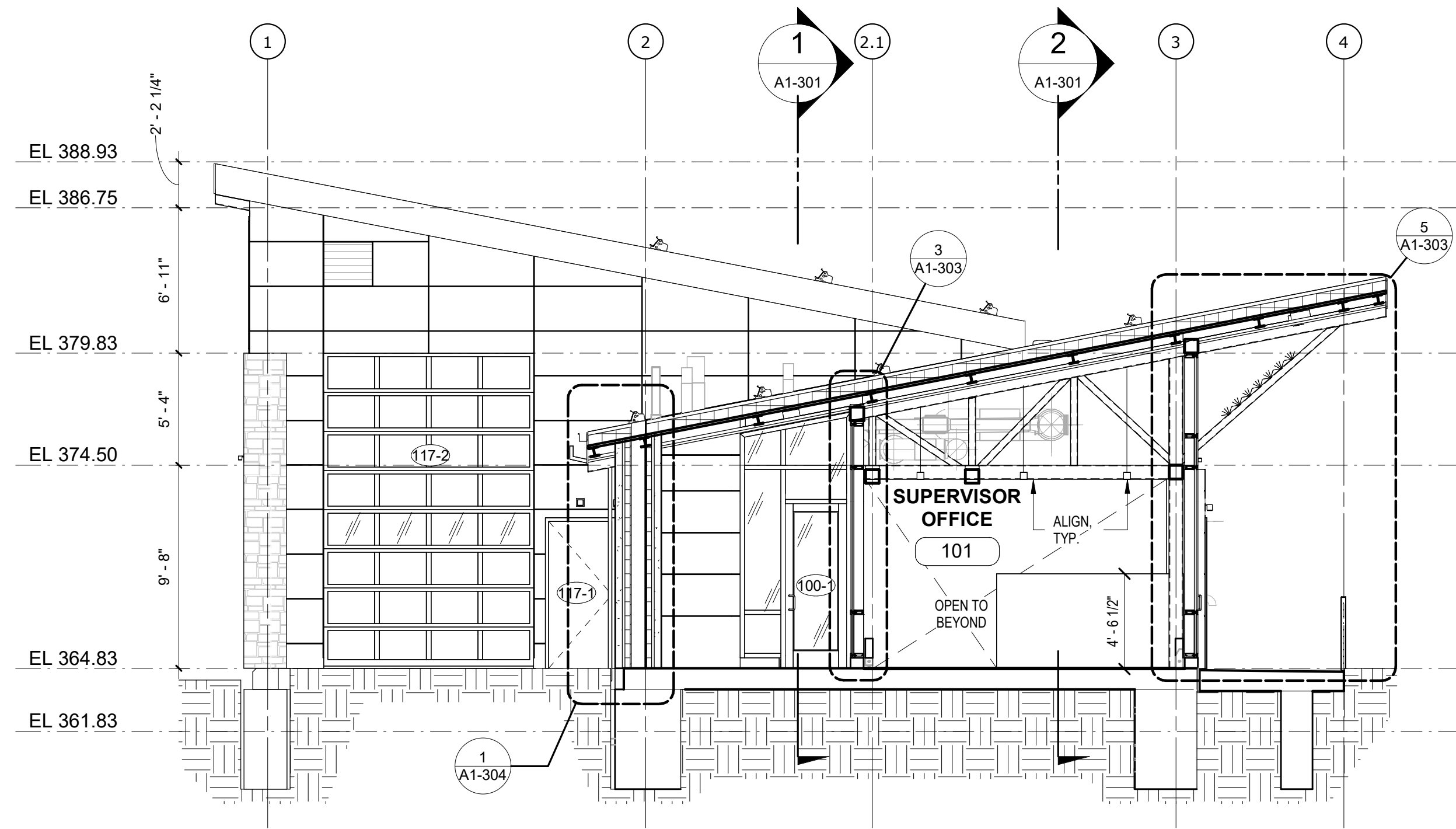
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL BUILDING SECTIONS	DATE: JANUARY 2021
	SCALE:
	SHEET NO: 51 OF No. 80
	DRAWING NO. A1-301

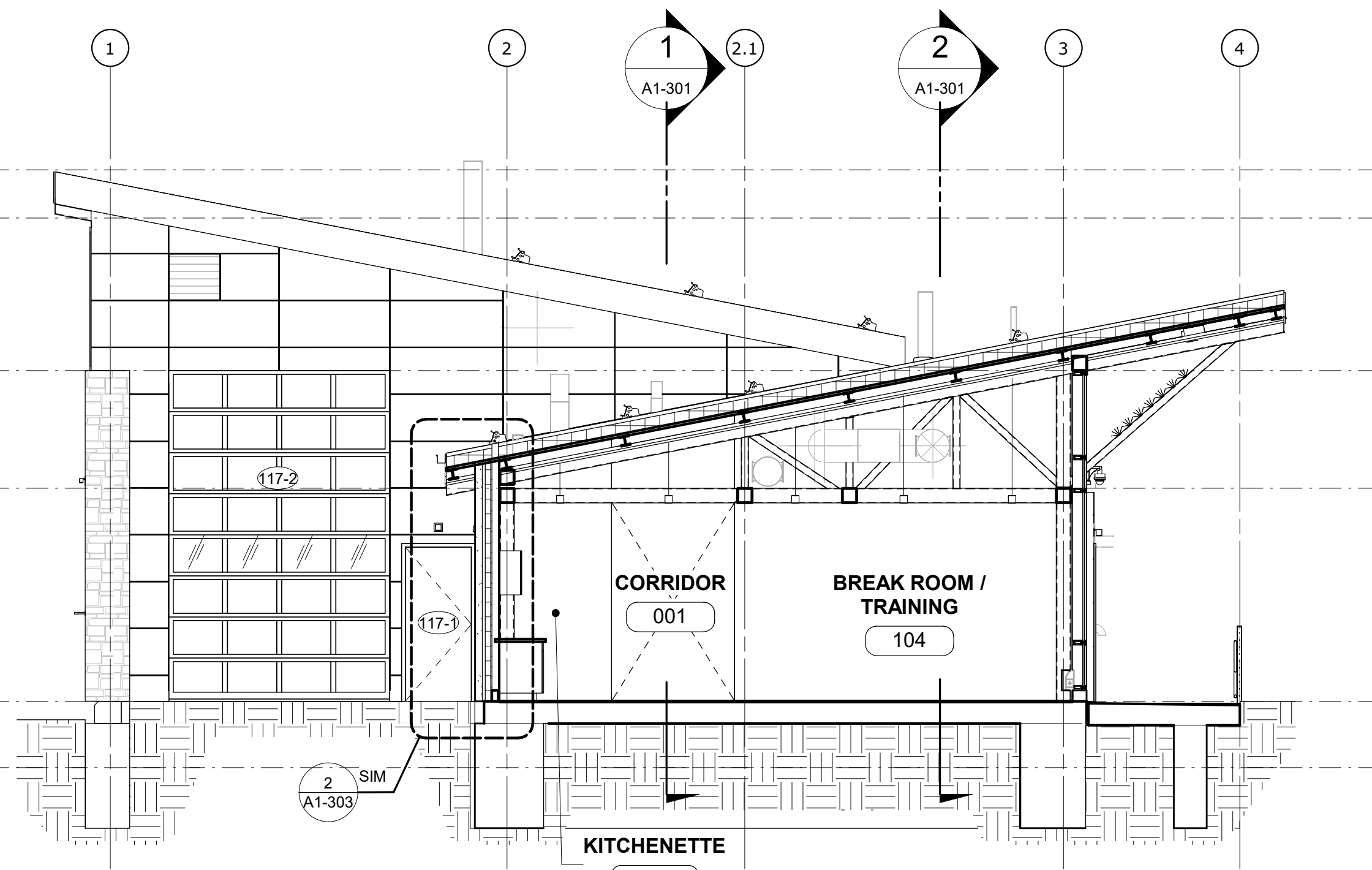
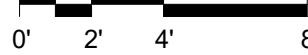
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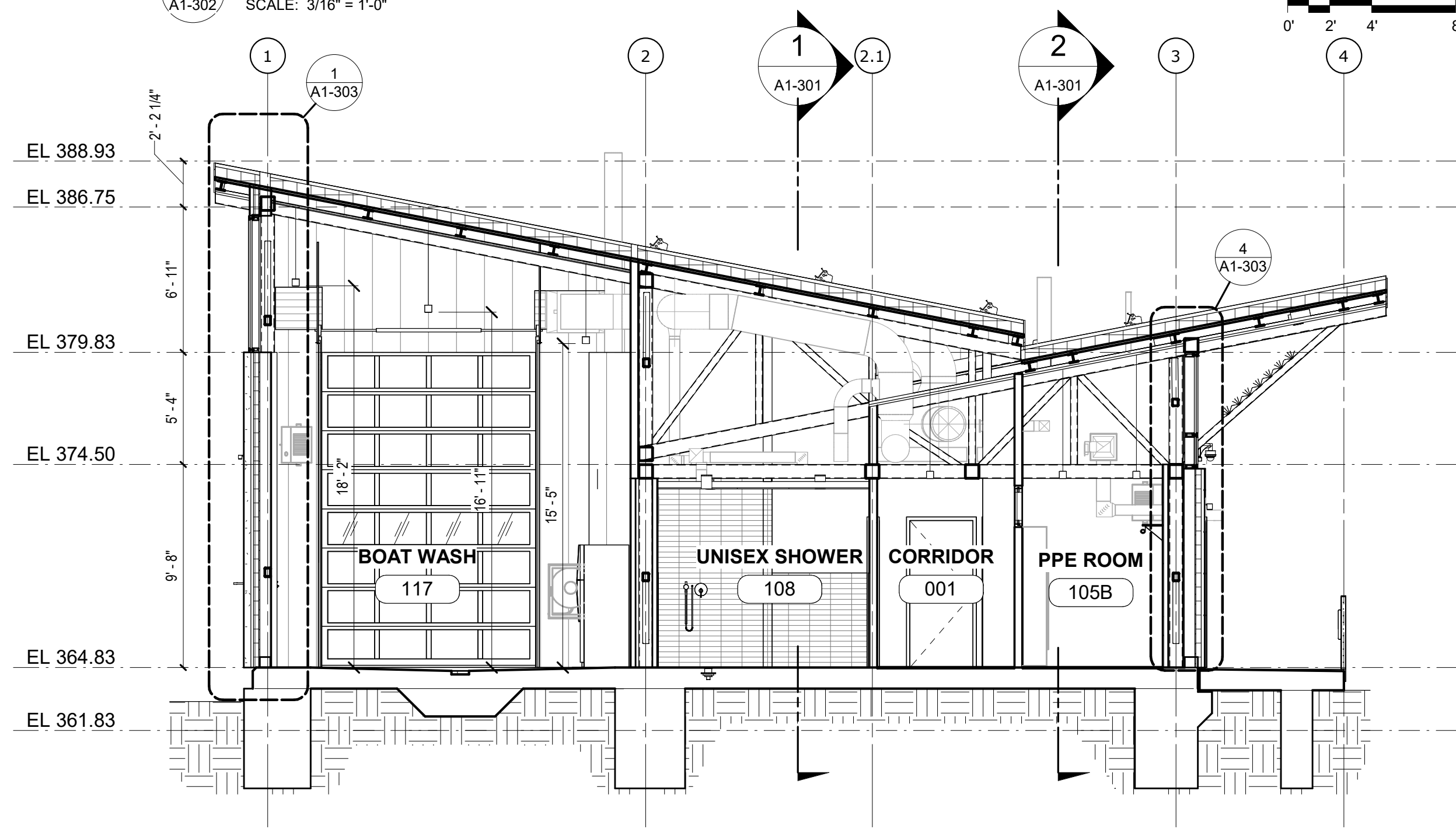
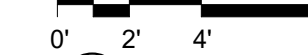
1 TRANSVERSE SECTION 1

A1-302 SCALE: 3/16" = 1'-0"



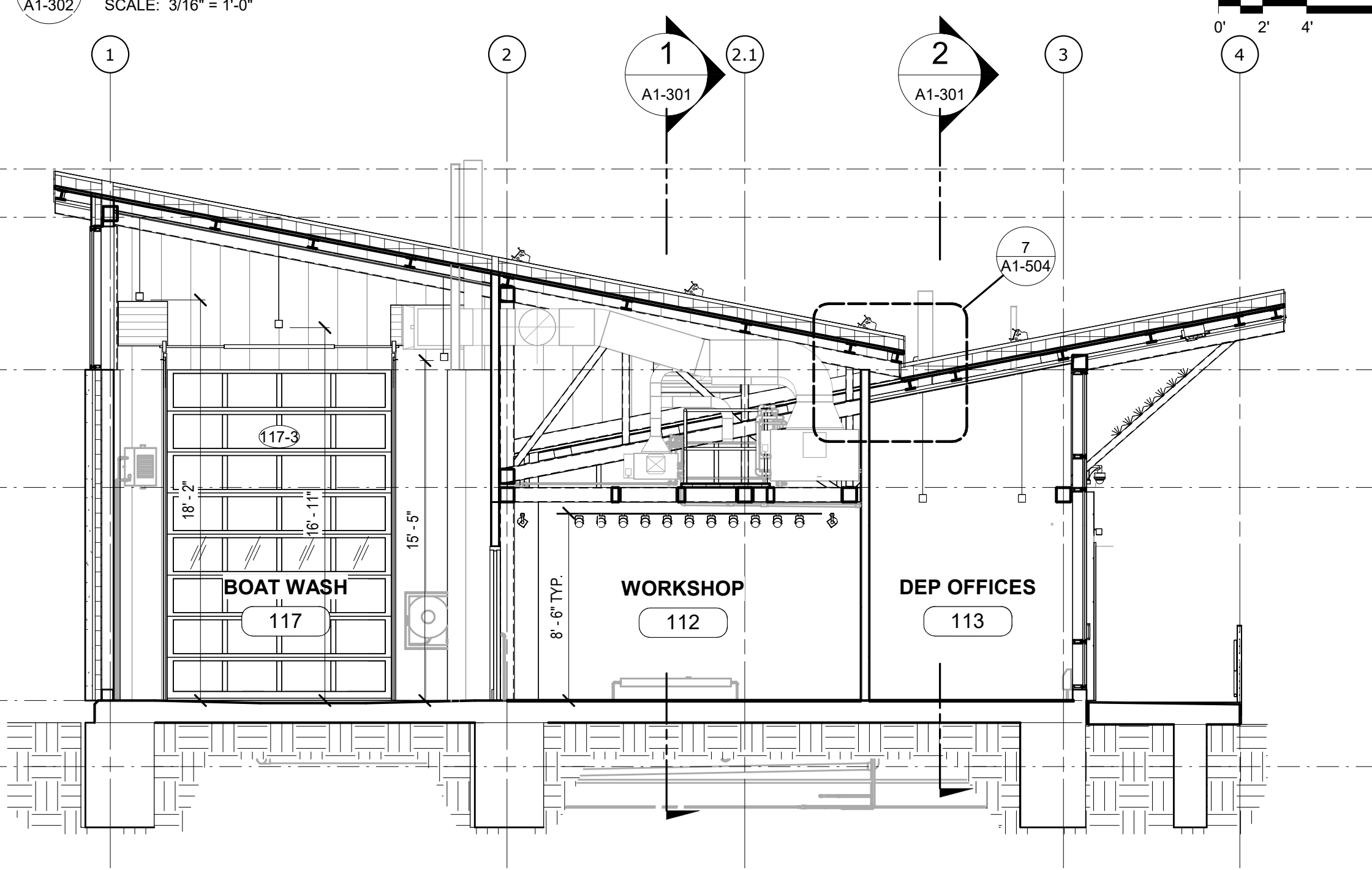
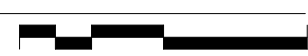
2 TRANSVERSE SECTION 2

A1-302 SCALE: 3/16" = 1'-0"



3 TRANSVERSE SECTION 3

A1-302 SCALE: 3/16" = 1'-0"



4 TRANSVERSE SECTION 4

A1-302 SCALE: 3/16" = 1'-0"



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PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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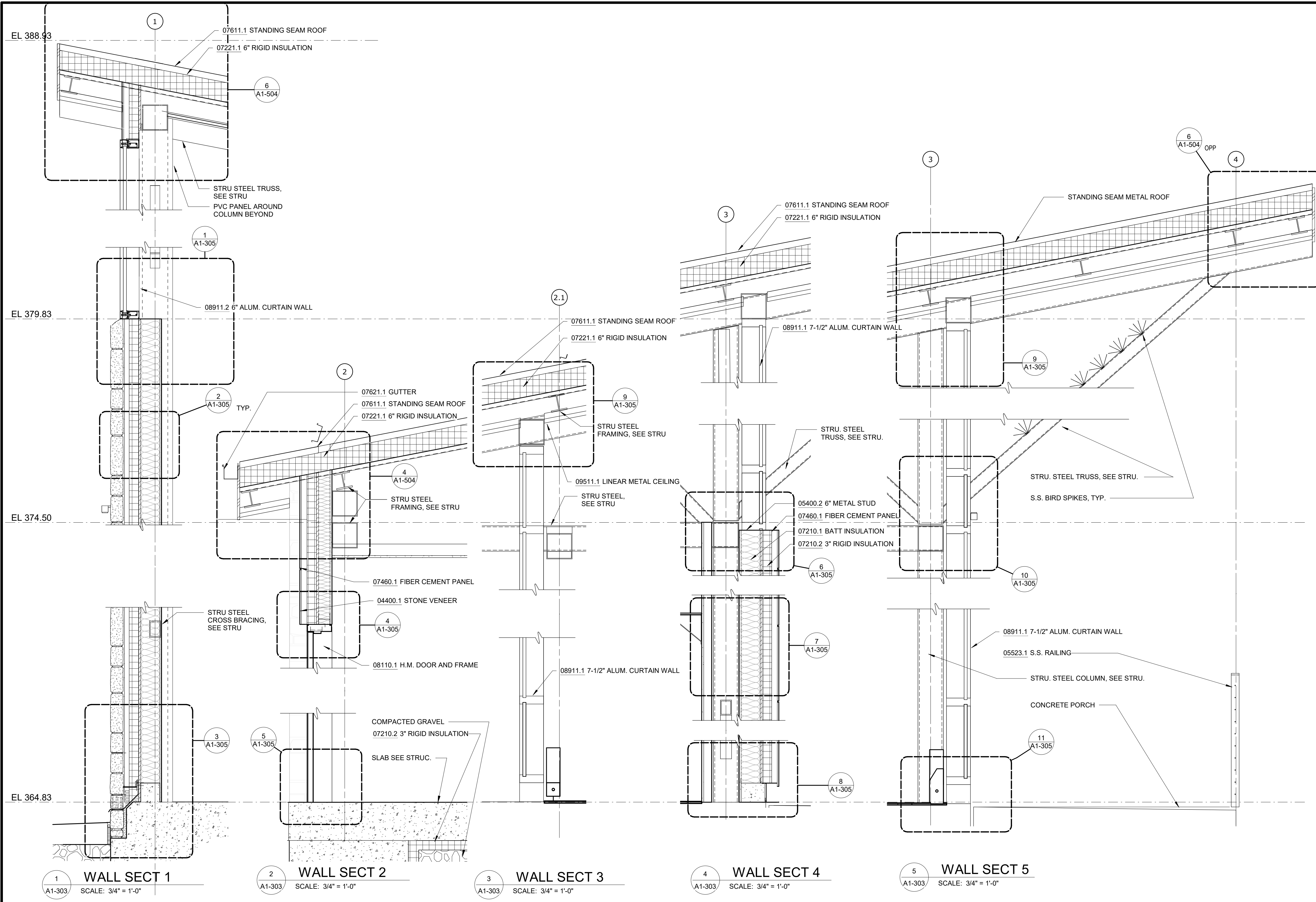
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MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
BUILDING SECTIONS

DATE: JANUARY 2021
SCALE:
SHEET NO:
52 OF No. 80
DRAWING NO.
A1-302

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D

NOTES - WALL SECTION

DIVISION 4	04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
DIVISION 5	05400.2	6" METAL STUD	6" METAL STUD, 16" O.C.
05523.1	S.S. RAILING	STAINLESS STEEL CABLE GUARDRAIL	
DIVISION 7	07210.1	BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATT, R-13 MIN.
07210.2	3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING	
07221.1	6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK	
07460.1	FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL	
07611.1	STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEALED DOUBLE LOCK ROOF	
07621.1	GUTTER	SQUARE GALVALUME GUTTER, COLOR TO MATCH STANDING SEAM ROOF. GUTTER SLOPE 1/8" PER FOOT TOWARDS LEADER.	
DIVISION 8	08110.1	H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
08911.1	7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH	
08911.2	6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH	
DIVISION 9	09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS



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

2 WALL SECT 2
SCALE: 3/4" = 1'-0"

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

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

5 WALL SECT 5
SCALE: 3/4" = 1'-0"

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Hazen



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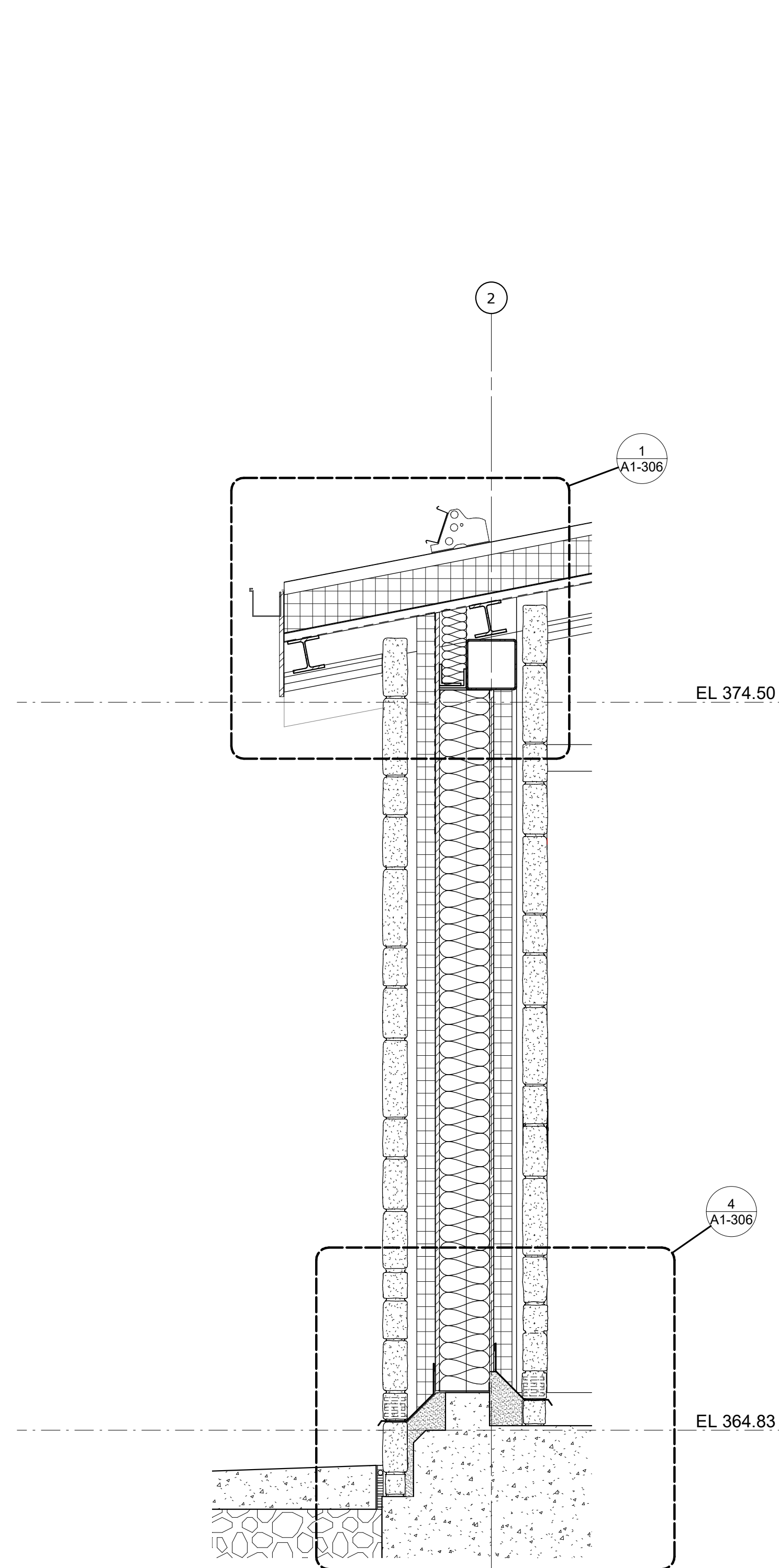
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ARCHITECTURAL
WALL SECTIONS

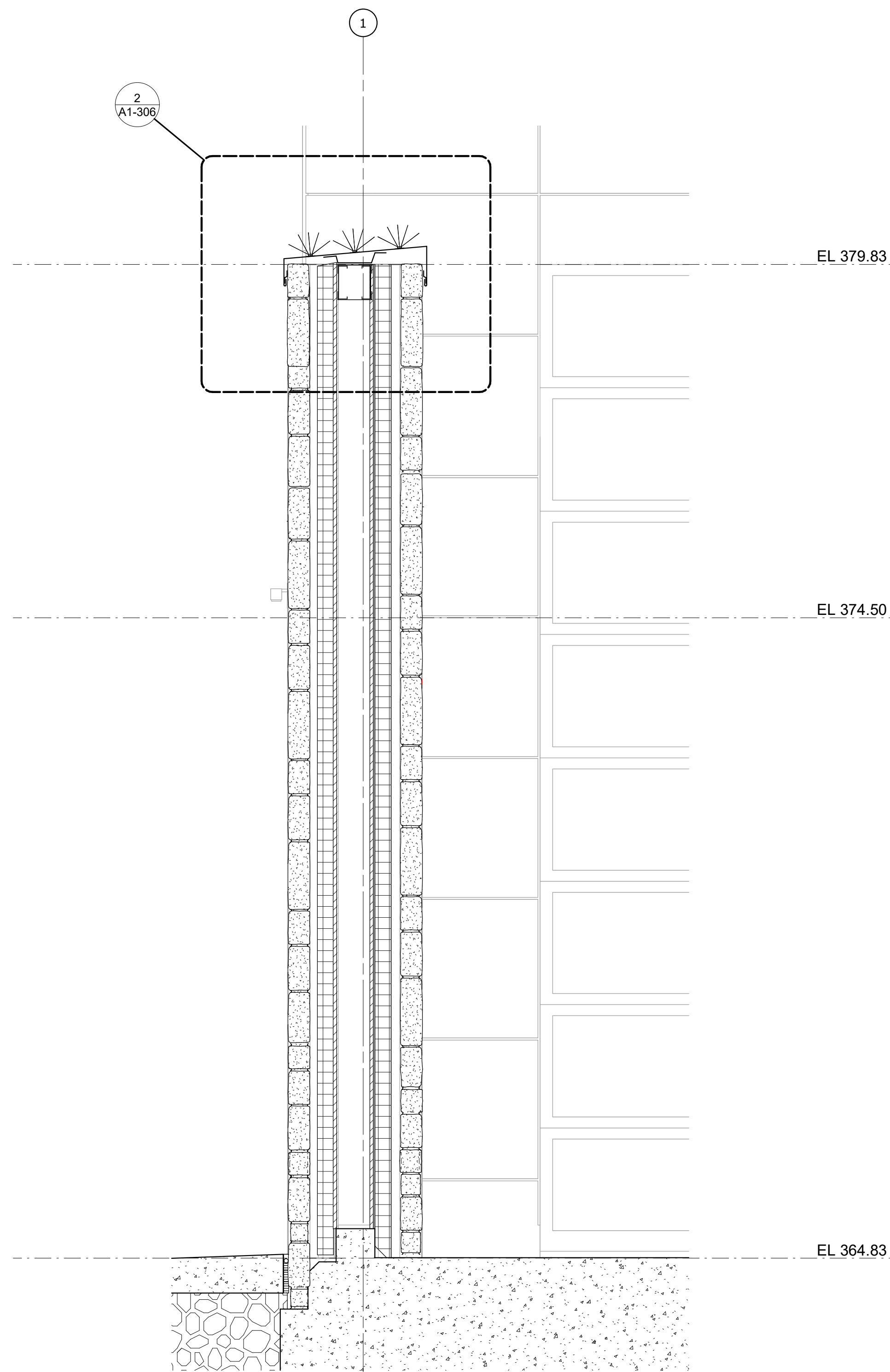
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A1-303

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1 WALL SECT 6
A1-304 / SCALE: 3/4" = 1'-0"



2 WALL SECTION - WING WALL @ BOATWASH
A1-304 / SCALE: 3/4" = 1'-0"

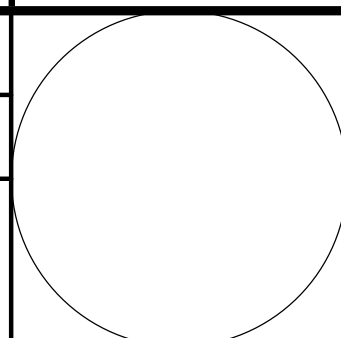
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J. HYUN
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CHECKED BY:
E. CLAASSEN
DESIGN LEAD:
EDWARD BARBOE, P.E.

Hazen



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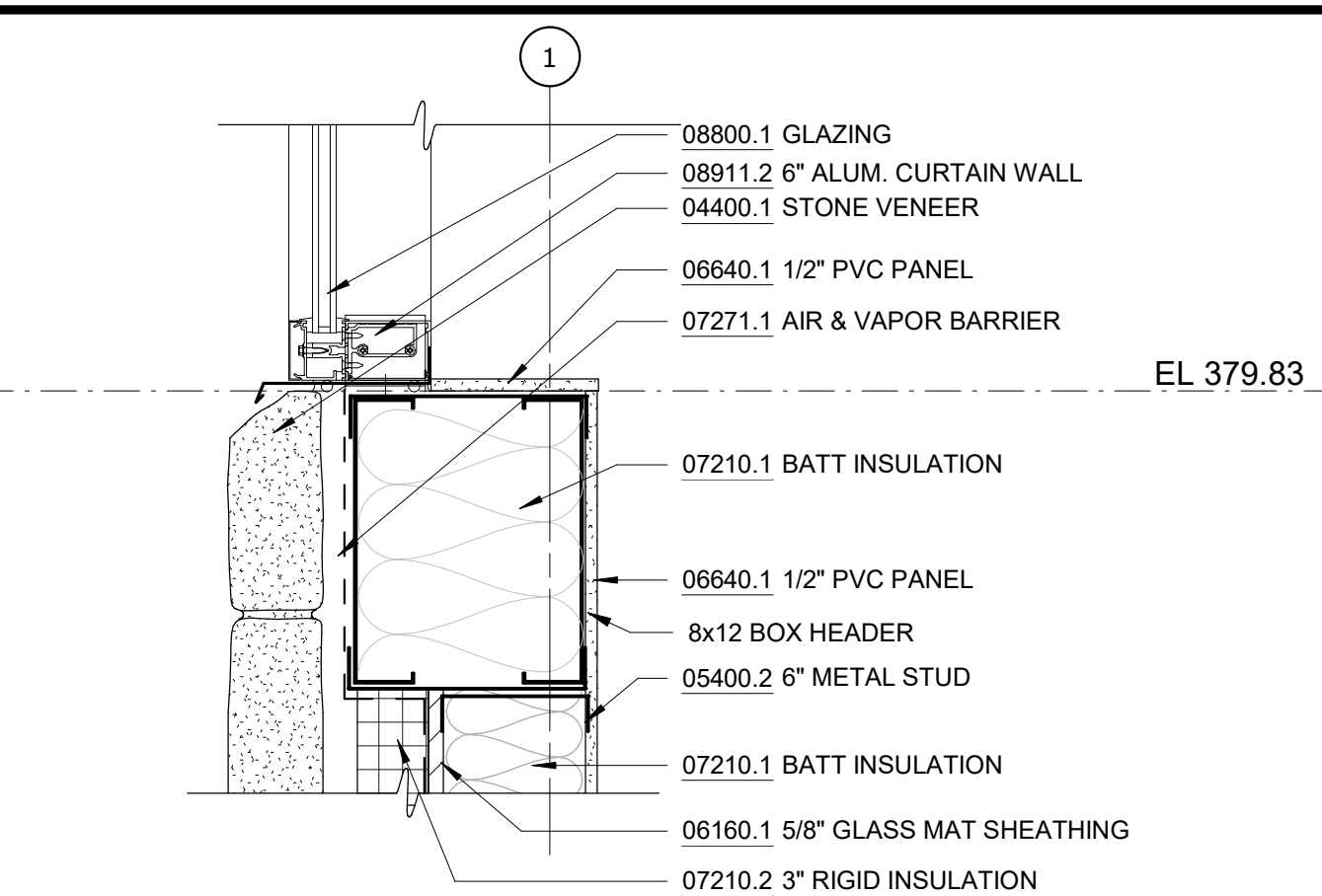
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ARCHITECTURAL
WALL SECTIONS

DATE: JANUARY 2021
SCALE:
SHEET NO:
54 OF No. 80
DRAWING NO.
A1-304

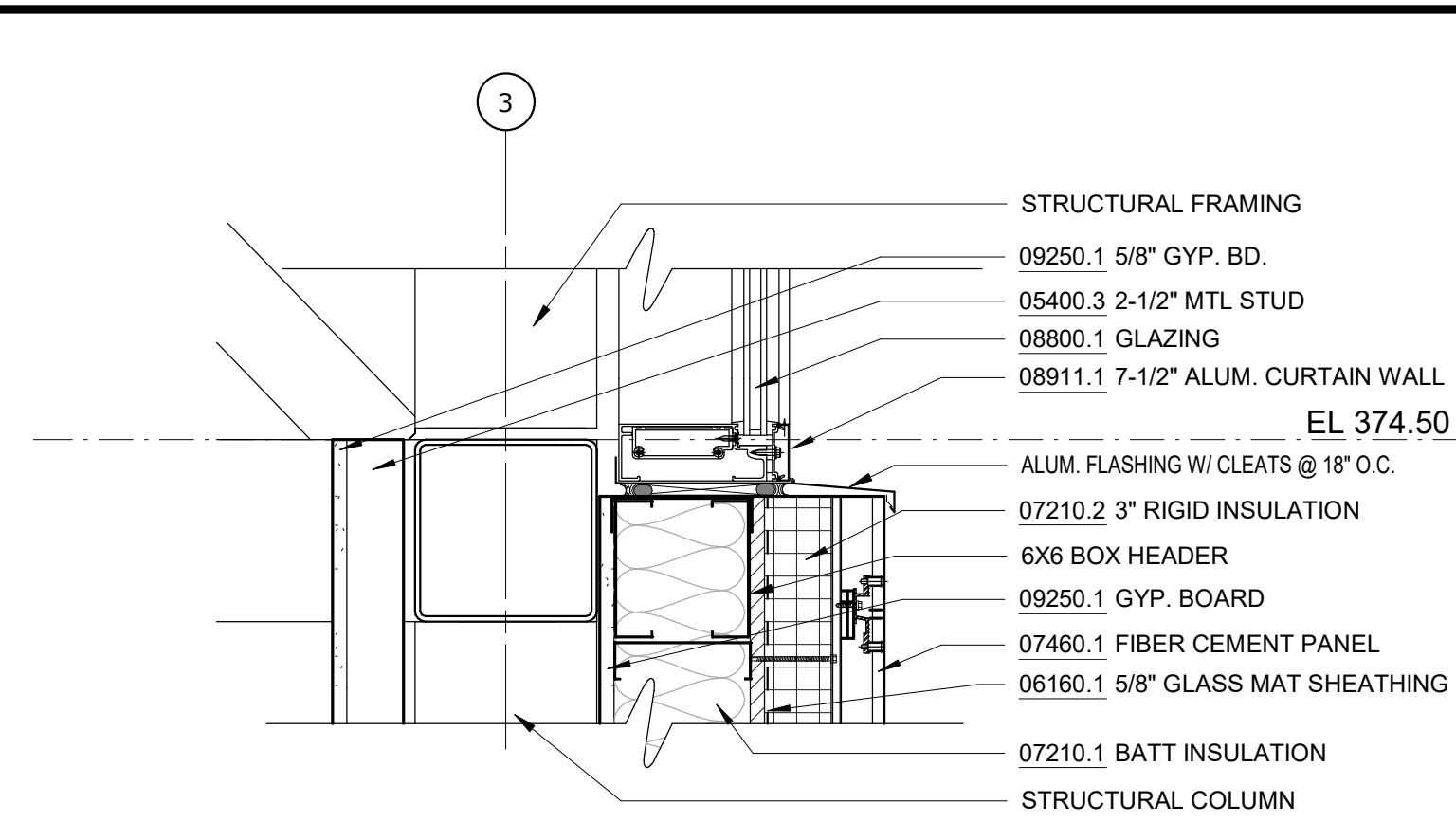
NOTES - DETAILS

DIVISION 4	04051.1 GROUT SOLID	
04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
04400.2	WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
04400.3	MORTAR NET	
DIVISION 5	05400.1	3-5/8" METAL STUD
05400.2	6" METAL STUD	16" O.C.
05400.3	2-1/2" MTL STUD	16" O.C.
05400.4	8" METAL STUD	16" O.C.
DIVISION 6	06160.1	<varies>
06640.1	1/2" PVC PANEL	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
06640.2	PVC BASE TRIM	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
DIVISION 7	07111.1	DAMPPROOFING
07210.1	BATT INSULATION	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
07210.2	3" RIGID INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
07221.1	6" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
07271.1	AIR & VAPOR BARRIER	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
07460.1	FIBER CEMENT PANEL	ADHERED TO GLASS MAT SHEATHING
07460.2	RAINSCREEN ATTACHMENT SYSTEM	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07460.3	VERTICAL CHANNEL	THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM
07611.1	STANDING SEAM ROOF	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
07611.2	SNOW GUARD	22 GA. MIN. GALVALUME MECHANICALLY SEALED DOUBLE LOCK ROOF
	07611.3	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
	07620.1	FLASHING
	07620.2	FLASHING
	07620.3	FLASHING
	07900.1	SEALANT
	07900.2	CAULK
	07900.3	BACKER ROD
DIVISION 8	08110.1	H.M. DOOR AND FRAME
08800.1	GLAZING	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
08911.1	7-1/2" ALUM. CURTAIN WALL	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
08911.2	6" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.3	BRAKE METAL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH FINISH TO MATCH CURTAIN WALL
DIVISION 9	09206.1	METAL FURRING
09206.2	METAL FURRING CHANNEL CLIP	
09206.3	1 1/2" STEEL RUNNING CHANNEL	
09206.4	GAT CLIP	4B1.5L CAT. #16.59 SM (OR OTHER APPROVED MEANS)
09206.5	MAIN TEE	24" OC MAX., SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
09206.6	DIRECT HANG CLIP	
09206.7	HAT CHANNEL	7/8" METAL HAT CHANNEL
09250.1	5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
09250.2	TRIM	J TRIM WITH SEALANT BEAD
09250.5	STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.2	LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.3	CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
09511.4	HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
09511.5	CROSS TEE	1 1/2" HIGH, 2'-0" OC
09511.6	CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL



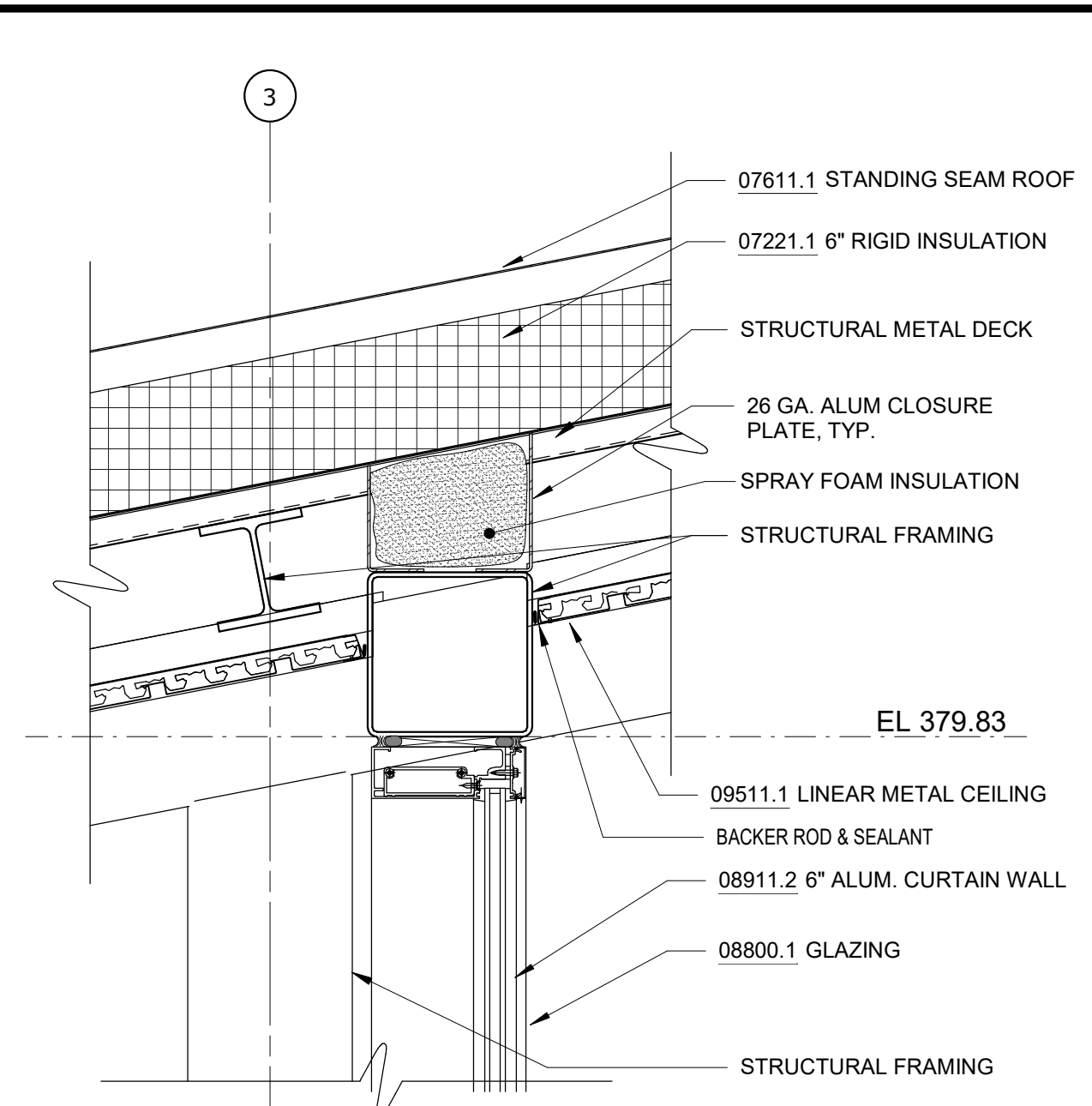
SECT DETAIL - STONE TO CLERESTORY

1 A1-305 SCALE: 1 1/2" = 1'-0"



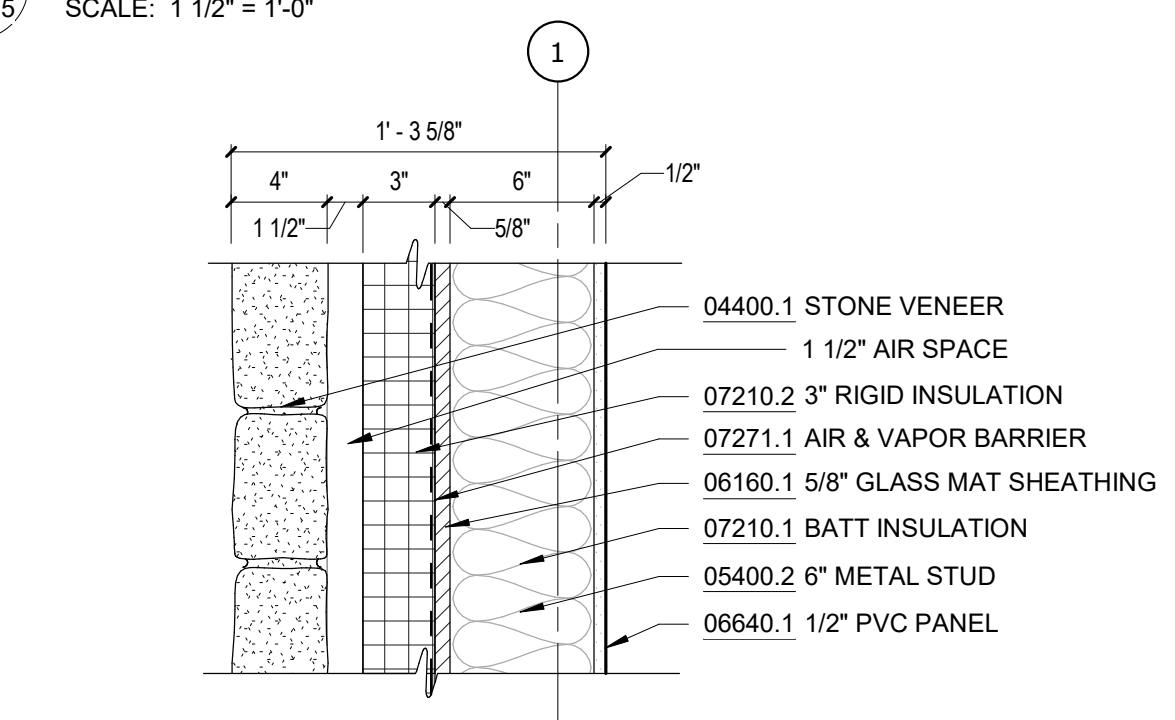
SECT DETAIL - FIBER CEMENT TO CURTAIN WALL

6 A1-305 SCALE: 1 1/2" = 1'-0"



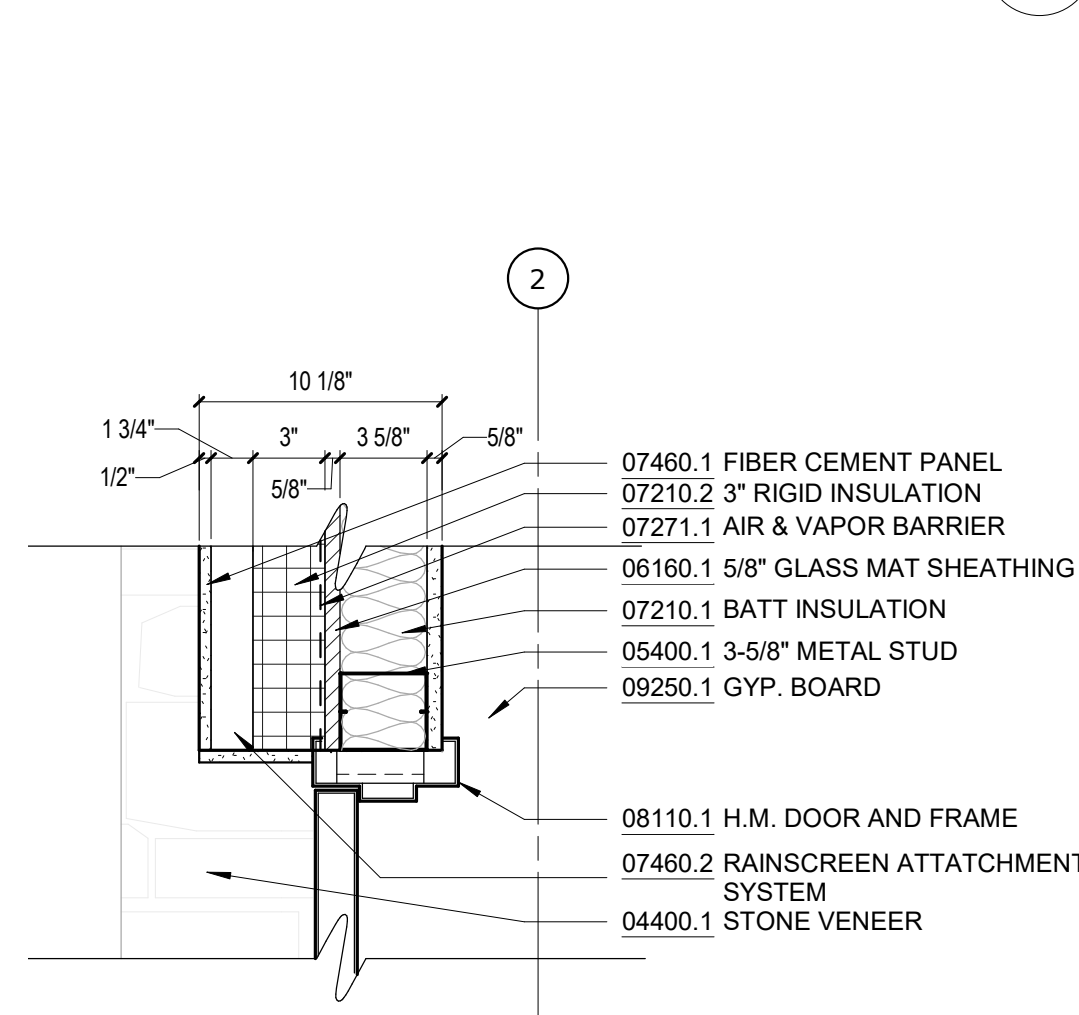
SECT DETAIL - ROOF CONNECTION

9 A1-305 SCALE: 1 1/2" = 1'-0"



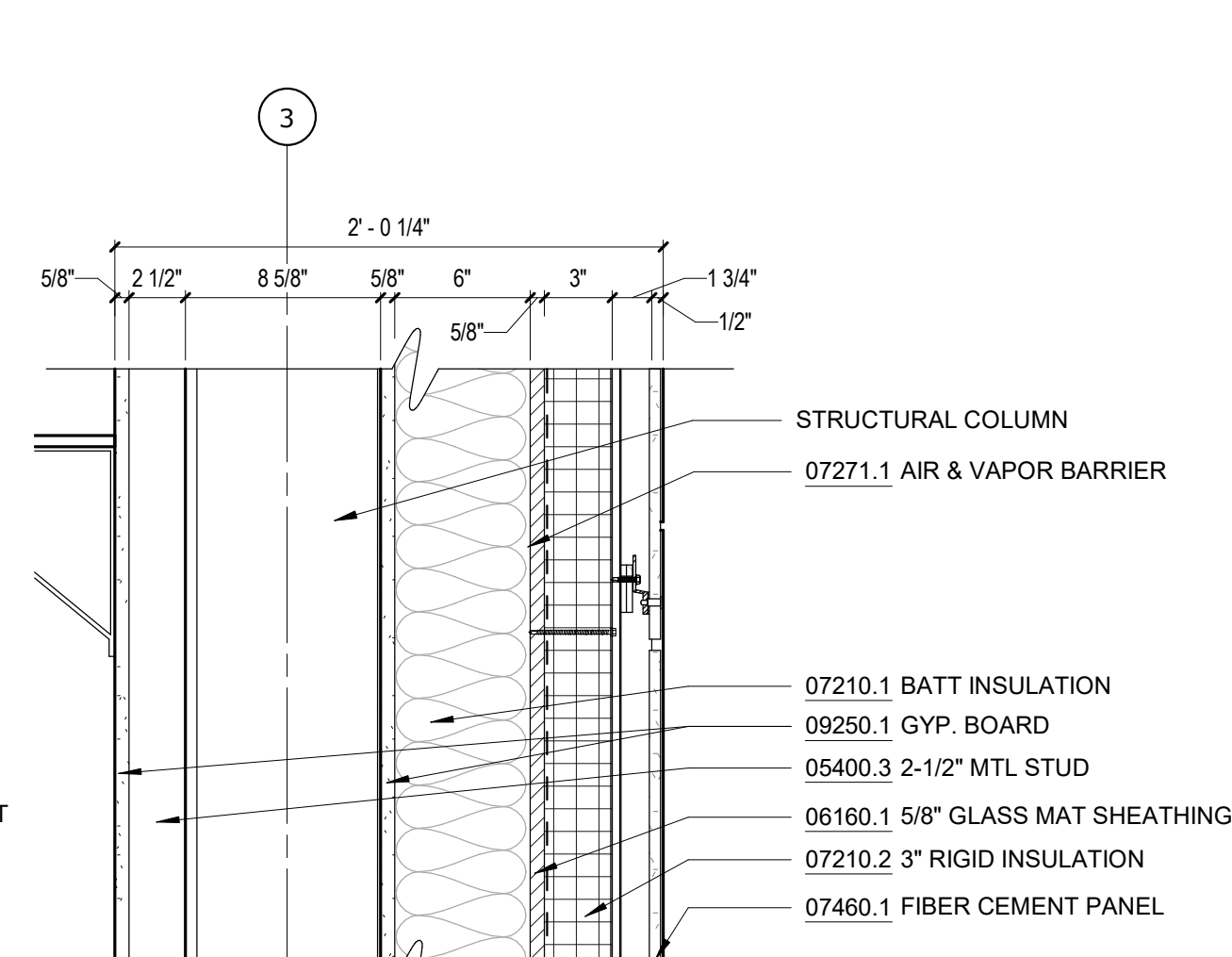
SECT DETAIL - STONE WALL, TYP.

2 A1-305 SCALE: 1 1/2" = 1'-0"



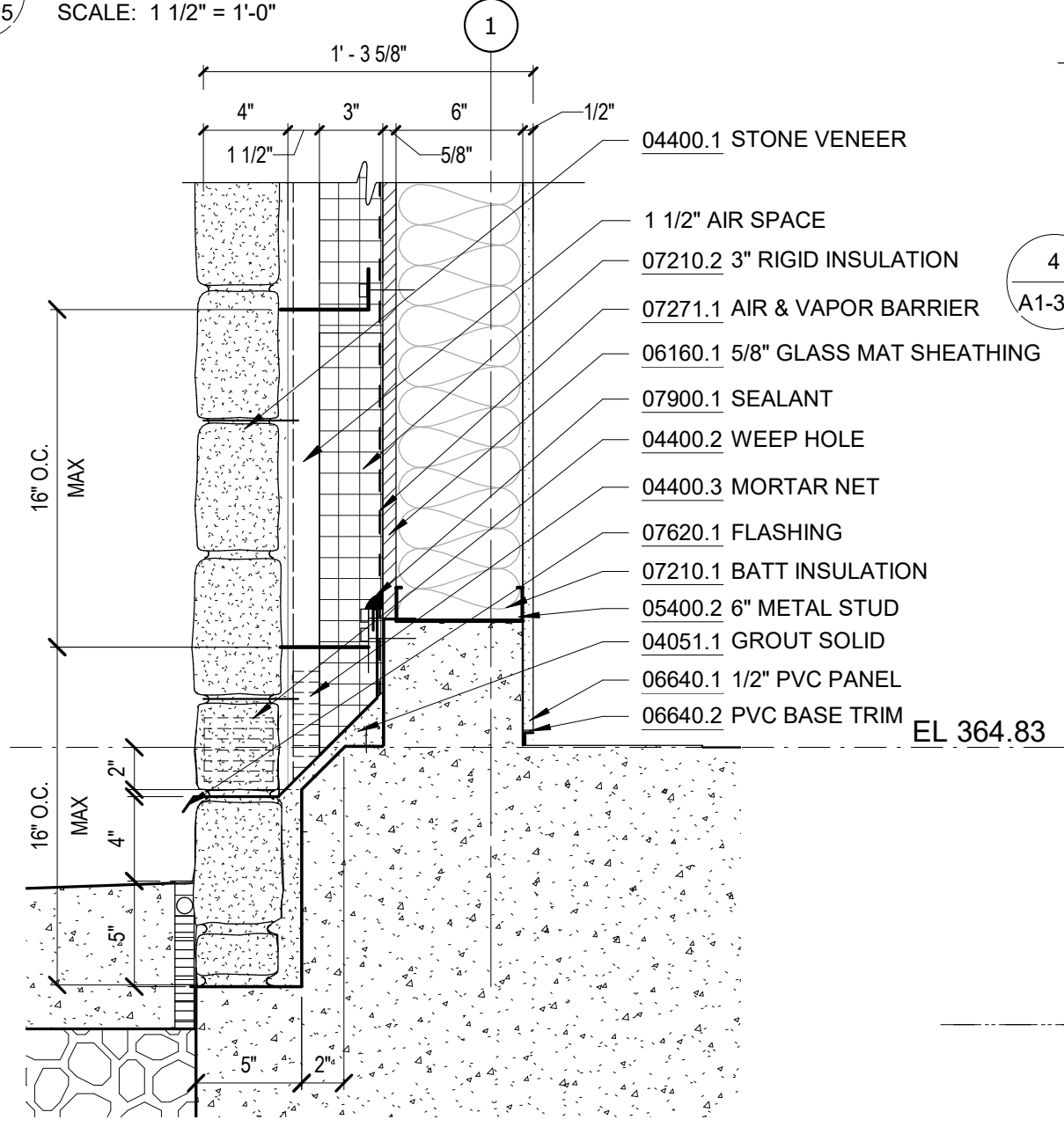
SECT DETAIL - HM EXT. DOOR HEAD

4 A1-305 SCALE: 1 1/2" = 1'-0"



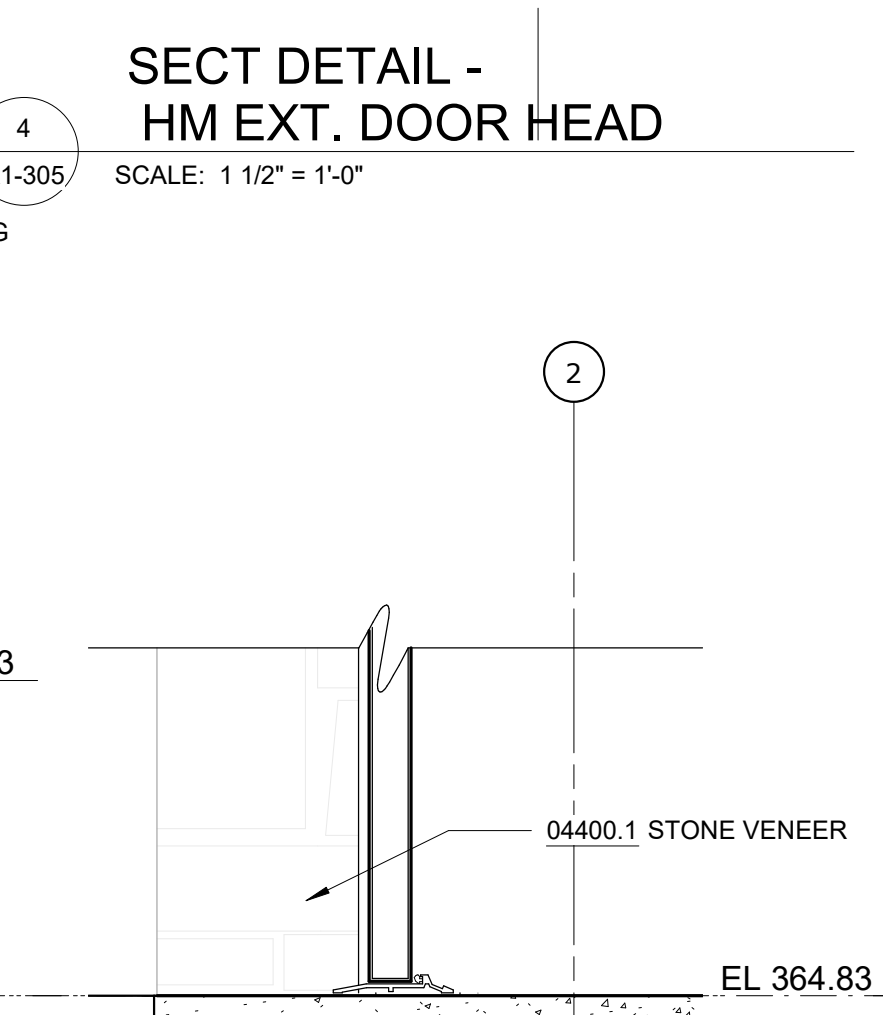
SECT DETAIL - FIBER CEMENT WALL, TYP.

7 A1-305 SCALE: 1 1/2" = 1'-0"



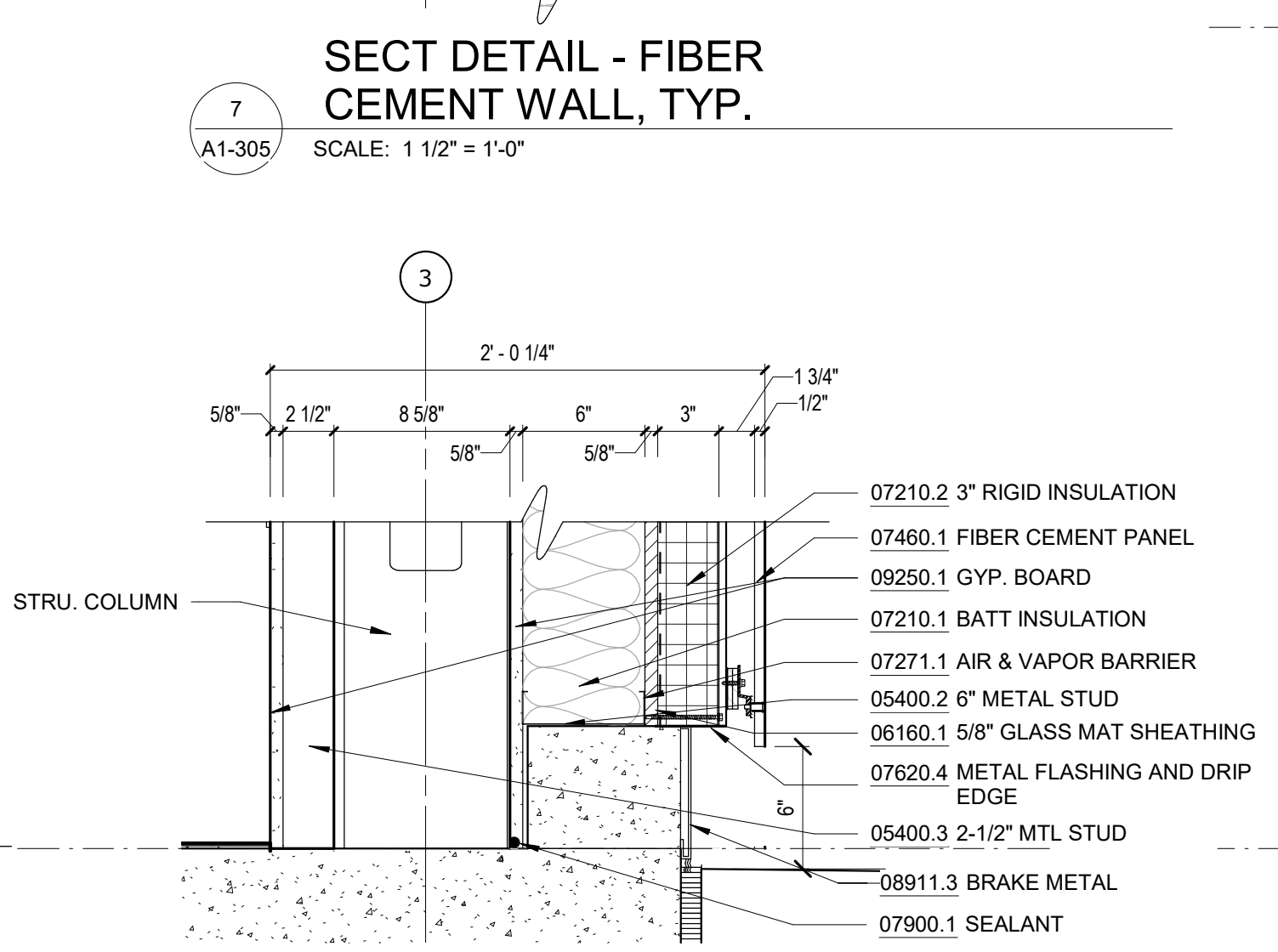
SECT DETAIL - STONE WALL BASE

3 A1-305 SCALE: 1 1/2" = 1'-0"



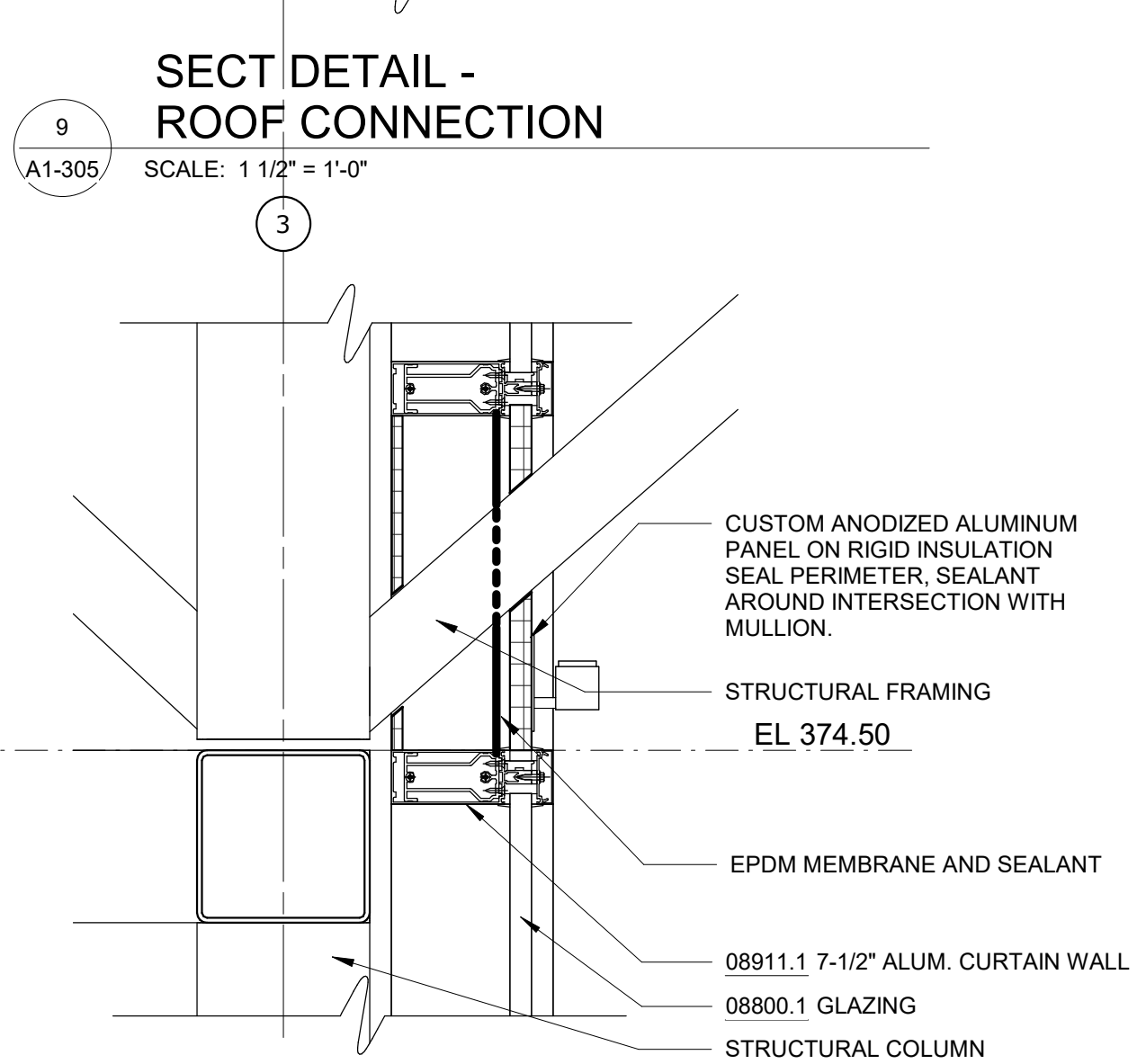
SECT DETAIL - HM EXT. DOOR BASE

5 A1-305 SCALE: 1 1/2" = 1'-0"



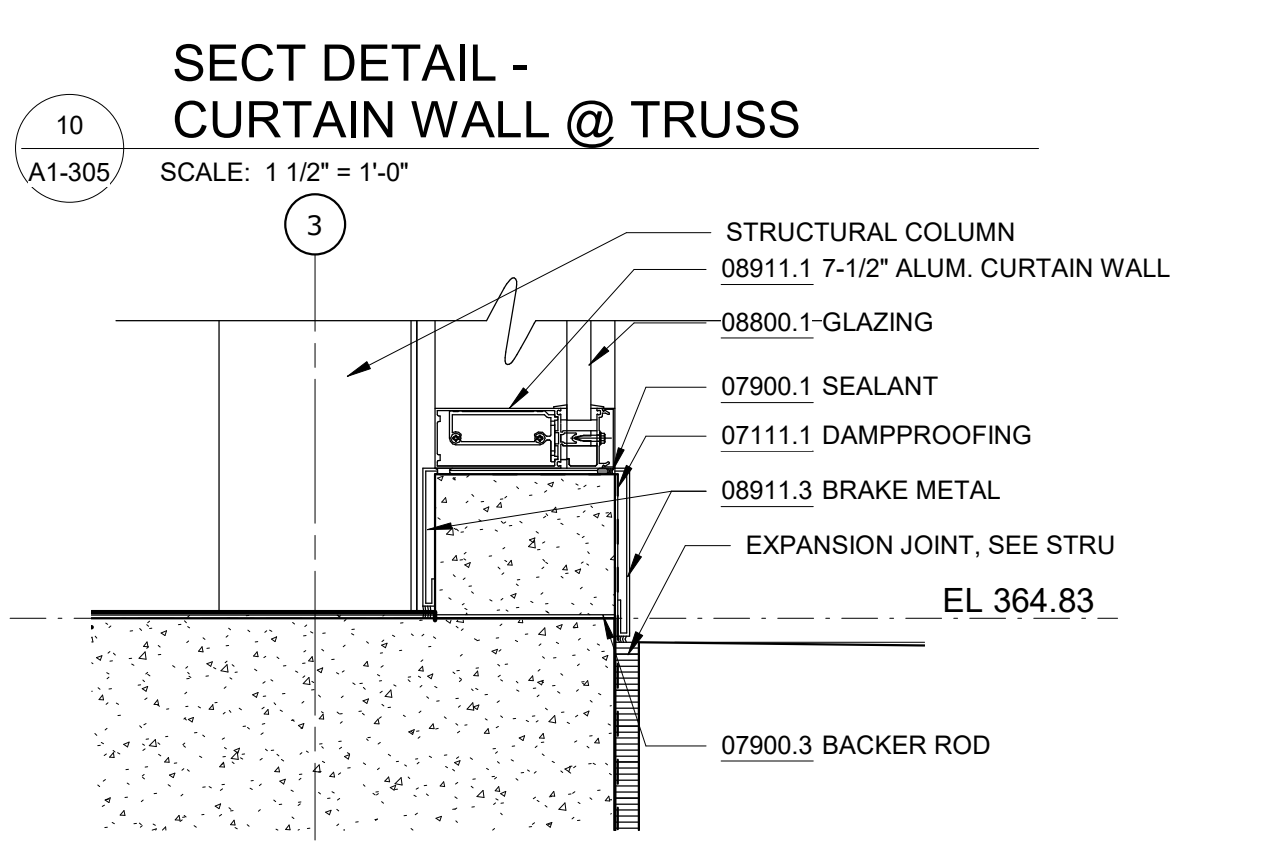
SECT DETAIL - FIBER CEMENT WALL BASE

8 A1-305 SCALE: 1 1/2" = 1'-0"



SECT DETAIL - CURTAIN WALL @ TRUSS

10 A1-305 SCALE: 1 1/2" = 1'-0"



SECT DETAIL - BASE AT CURTAIN WALL

11 A1-305 SCALE: 1 1/2" = 1'-0"

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DESIGNED BY: J. HYUN	DRAWN BY: S. KINARD
CHECKED BY: E. CLAASSEN	DESIGN LEAD: EDWARD BARBOE, P.E.
Hazen	



ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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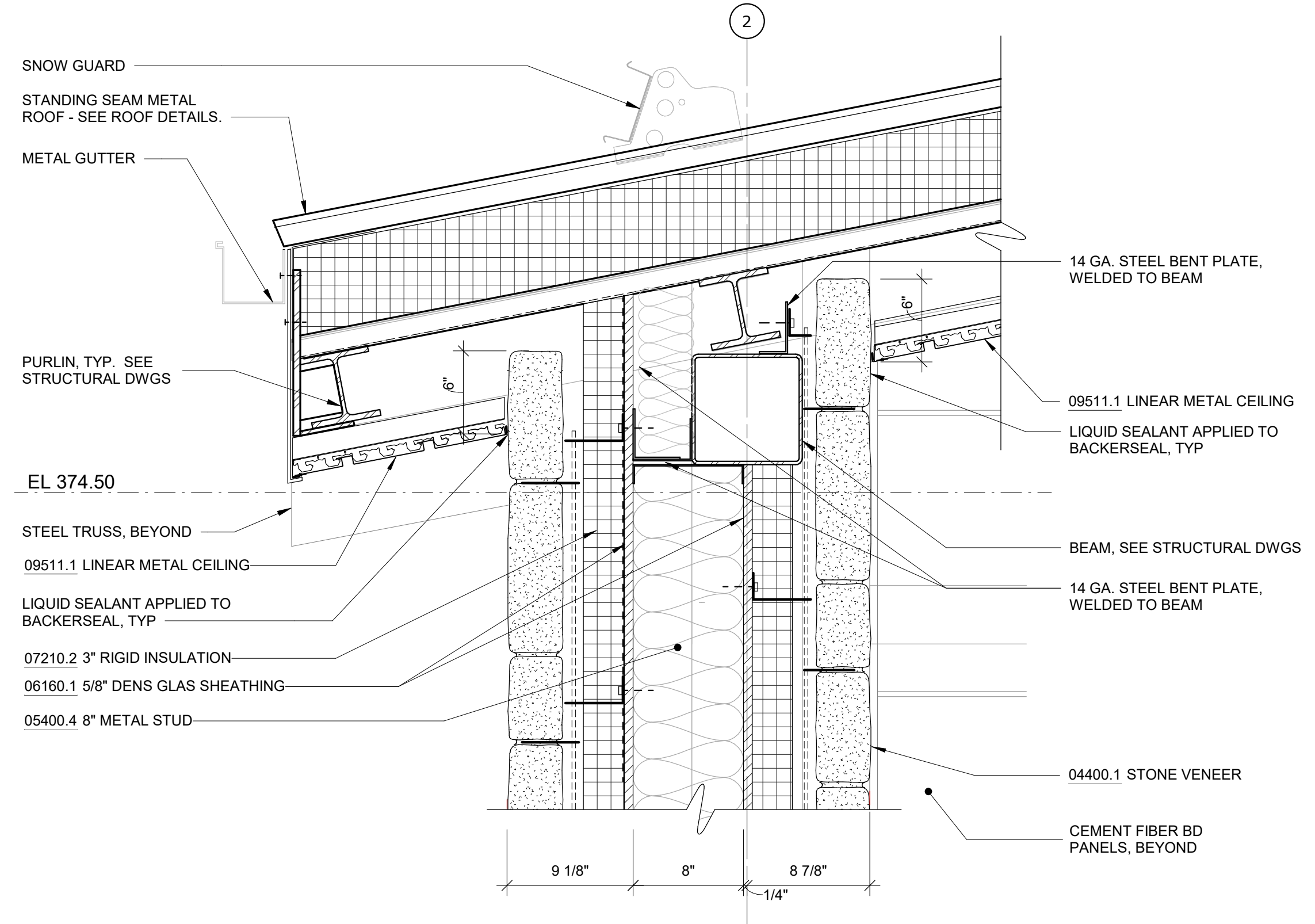
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK		DATE: JANUARY 2021
		SCALE:
		SHEET NO: 55 OF No. 80
		DRAWING NO. A1-305

Autodesk Docs/09290-02A_CAT-423 WFO-02A Waterfowl Mgmt Program/09290-02A_A_VFB.rvt 7/20/2023 10:25:01 AM

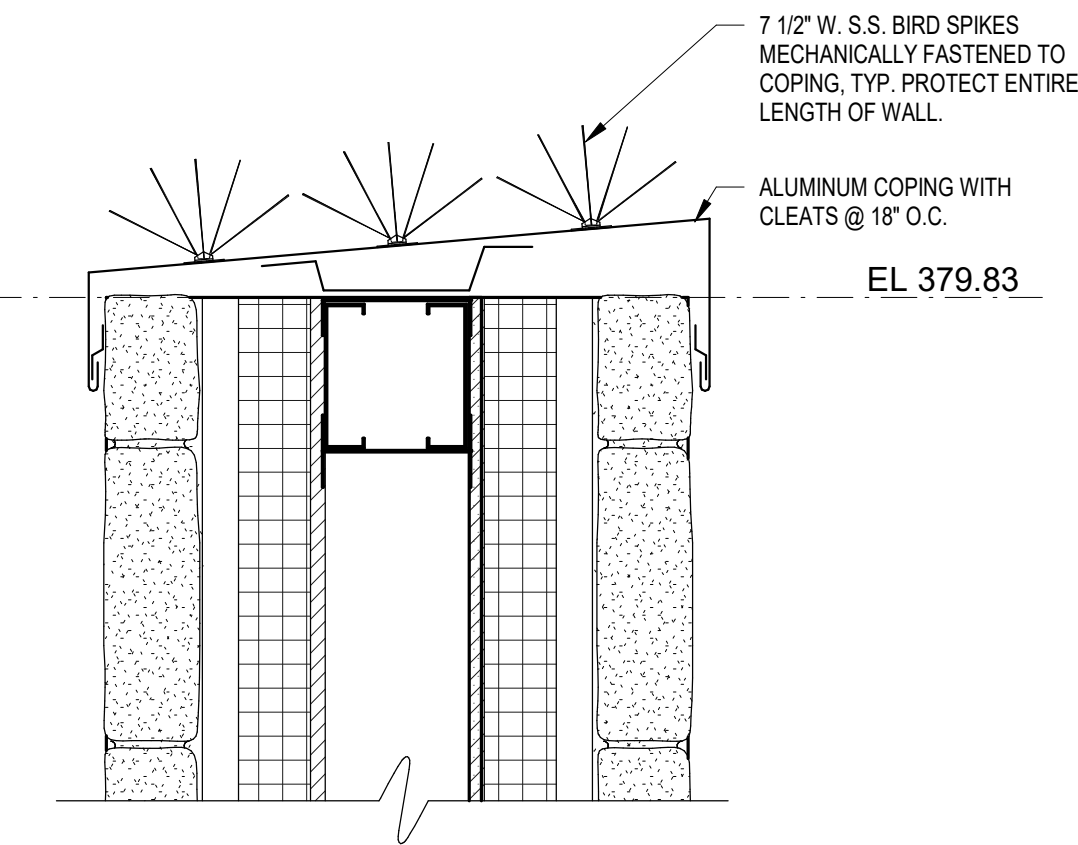
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NOTES - DETAILS

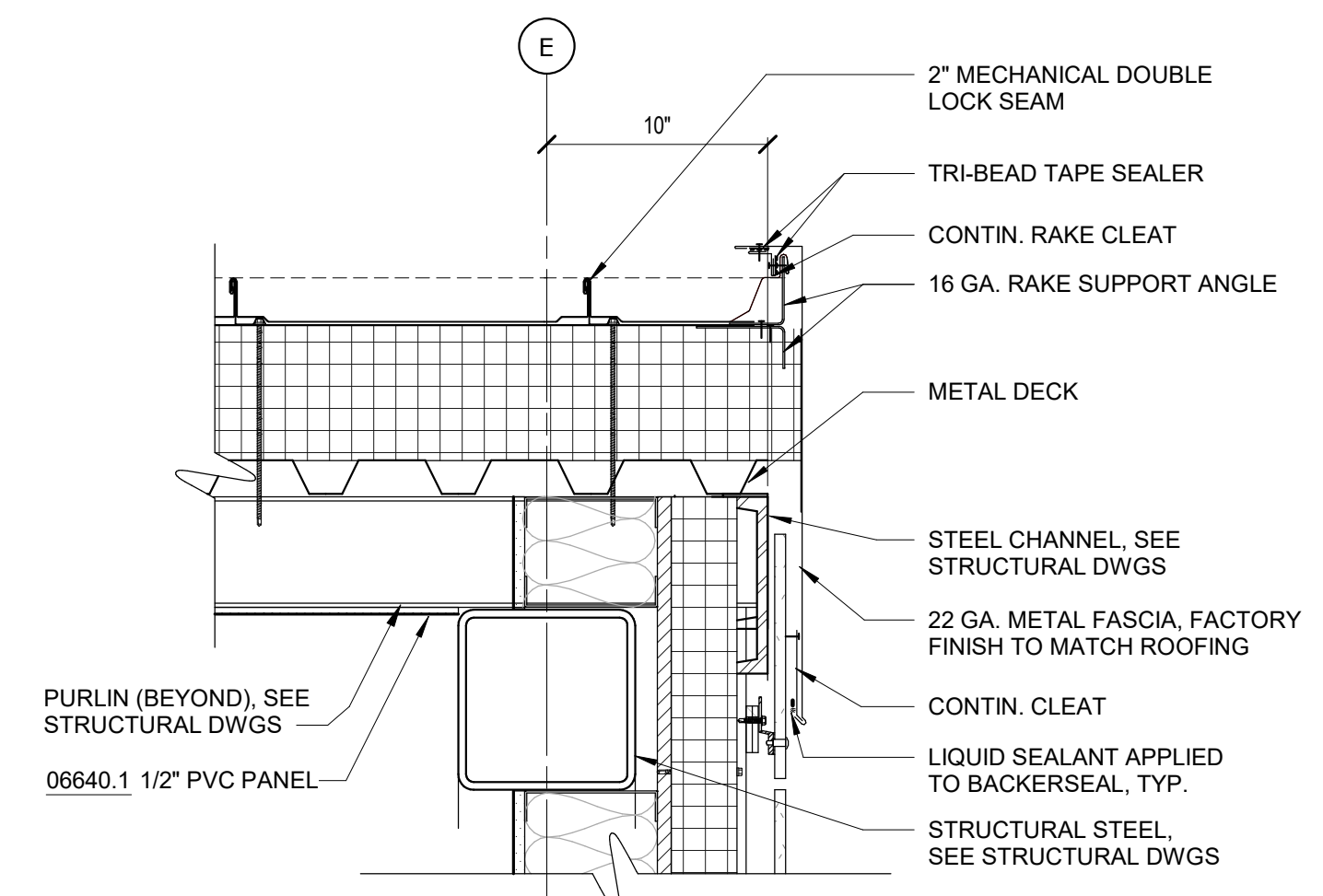
DIVISION 4		
04051.1	04051.1 GROUT SOLID	4" FULL VENEER LIMESTONE
04400.1	04400.1 STONE VENEER	4" FULL VENEER LIMESTONE
04400.2	04400.2 WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
04400.3	04400.3 MORTAR NET	
DIVISION 5		
05400.1	05400.1 3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
05400.2	05400.2 6" METAL STUD	6" METAL STUD, 16" O.C.
05400.3	05400.3 2-1/2" MTL STUD	2-1/2" METAL STUD, 16" O.C.
05400.4	05400.4 8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6		
06160.1	06160.1 <varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
06640.1	06640.1 1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
06640.2	06640.2 PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7		
07111.1	07111.1 DAMPPROOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
07210.1	07210.1 BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
07210.2	07210.2 3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
07221.1	07221.1 6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
07271.1	07271.1 AIR & VAPOR BARRIER	ADHERED TO GLASS MAT SHEATHING
07460.1	07460.1 FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07460.2	07460.2 RAINDRIP ATTACHMENT SYSTEM	THERMALLY ISOLATED EXPOSED FASTENER RAINDRIP ATTACHMENT SYSTEM
07460.3	07460.3 VERTICAL CHANNEL	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
07611.1	07611.1 STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF
07611.2	07611.2 SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
07620.1	07620.1 FLASHING	COPPER THRU-WALL FLASHING
07620.2	07620.2 FLASHING	
07620.3	07620.3 FLASHING	
07900.1	07900.1 SEALANT	
07900.2	07900.2 CAULK	
07900.3	07900.3 BACKER ROD	
DIVISION 8		
08110.1	08110.1 H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
08800.1	08800.1 GLAZING	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
08911.1	08911.1 7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.2	08911.2 6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.3	08911.3 BRAKE METAL	FINISH TO MATCH CURTAIN WALL
DIVISION 9		
09206.1	09206.1 METAL FURRING	
09206.2	09206.2 METAL FURRING CHANNEL CLIP	
09206.3	09206.3 1 1/2" STEEL RUNNING CHANNEL	
09206.4	09206.4 GAT CLIP	4B1.5L CAT. #16.59.SM (OR OTHER APPROVED MEANS)
09206.5	09206.5 MAIN TEE	24" OC MAX., SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
09206.6	09206.6 DIRECT HANG CLIP	
09206.7	09206.7 HAT CHANNEL	7/8" METAL HAT CHANNEL
09250.1	09250.1 5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
09250.2	09250.2 TRIM	J TRIM WITH SEALANT BEAD
09250.5	09250.5 STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
09511.1	09511.1 LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.2	09511.2 LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.3	09511.3 CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
09511.4	09511.4 HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
09511.5	09511.5 CROSS TEE	1 1/2" HIGH, 2'-0" OC
09511.6	09511.6 CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL



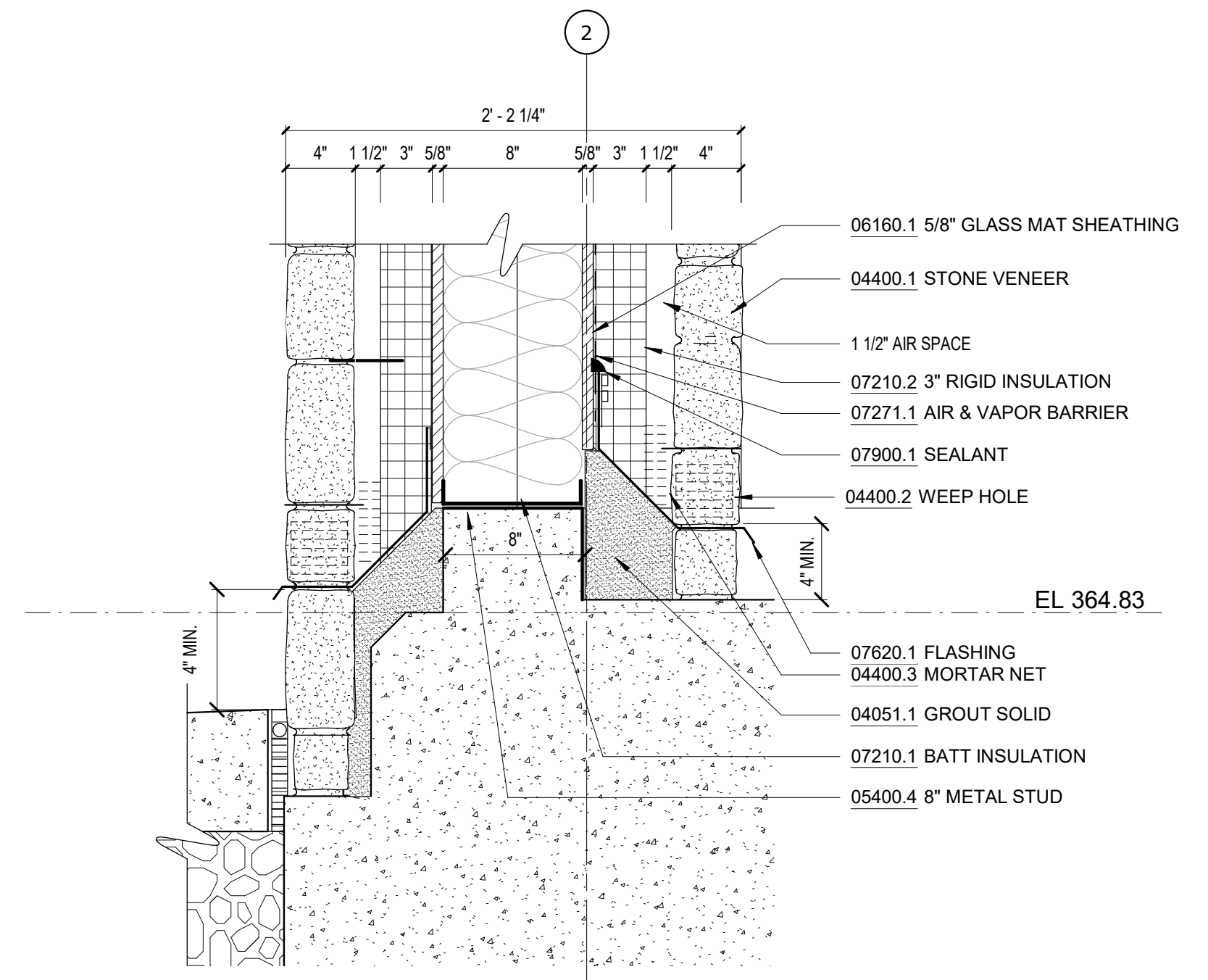
1 SECT DETAIL - STONE WALL AT VESTIBULE
SCALE: 1 1/2" = 1'-0"



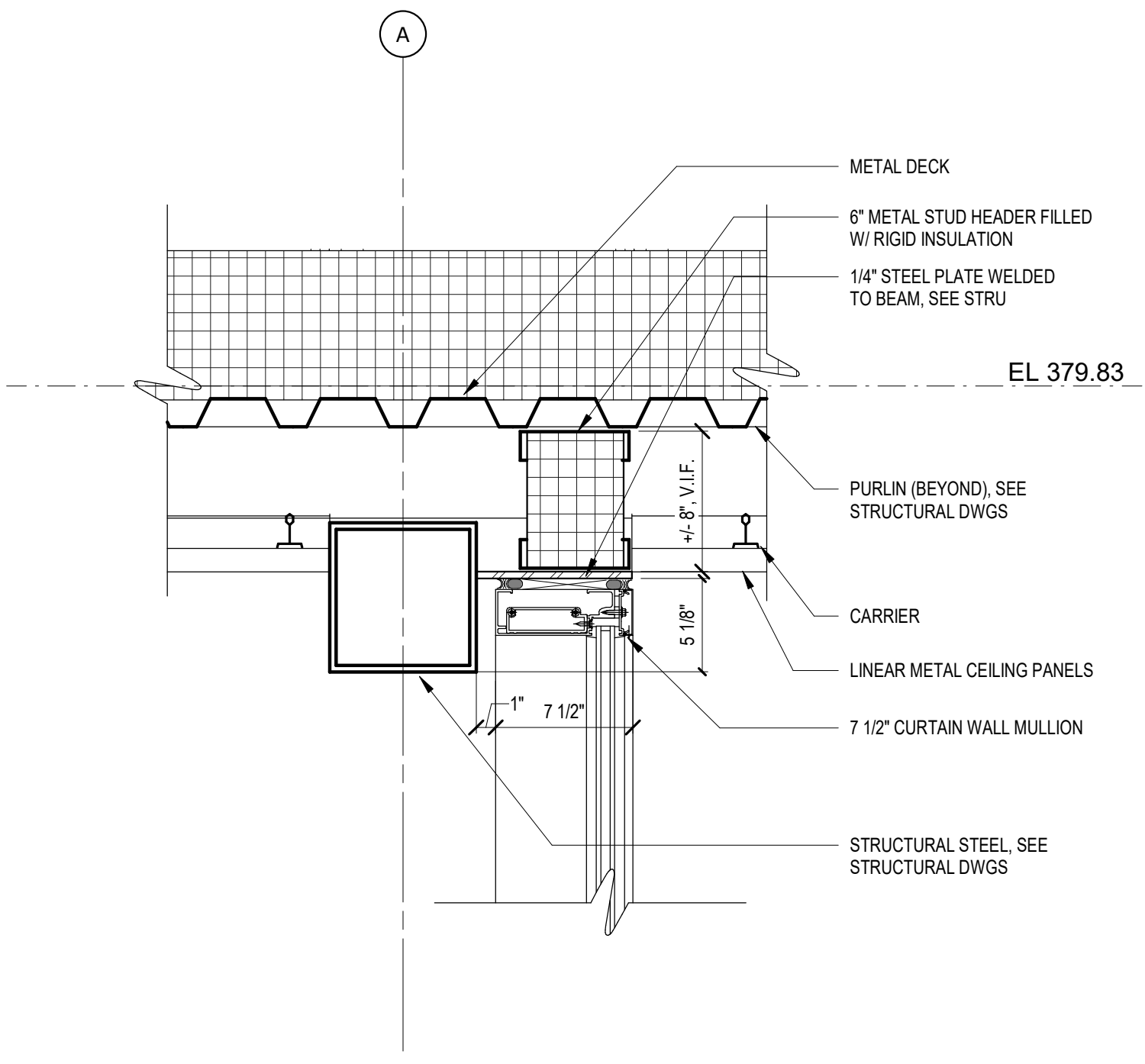
2 SECTION DETAIL - BIRD WIRE PROTECTION
SCALE: 1 1/2" = 1'-0"



5 SECT DETAIL - HIGH / LOW ROOF
SCALE: 1 1/2" = 1'-0"



4 STONE VENEER CURB DETAIL- WING WALL @ VESTIBULE
SCALE: 1 1/2" = 1'-0"



3 SECTION DETAIL - ROOF CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

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CHECKED BY: E. CLAASSEN	DESIGN LEAD: EDWARD BARBOE, P.E.

Hazen

NYC Environmental Protection

ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
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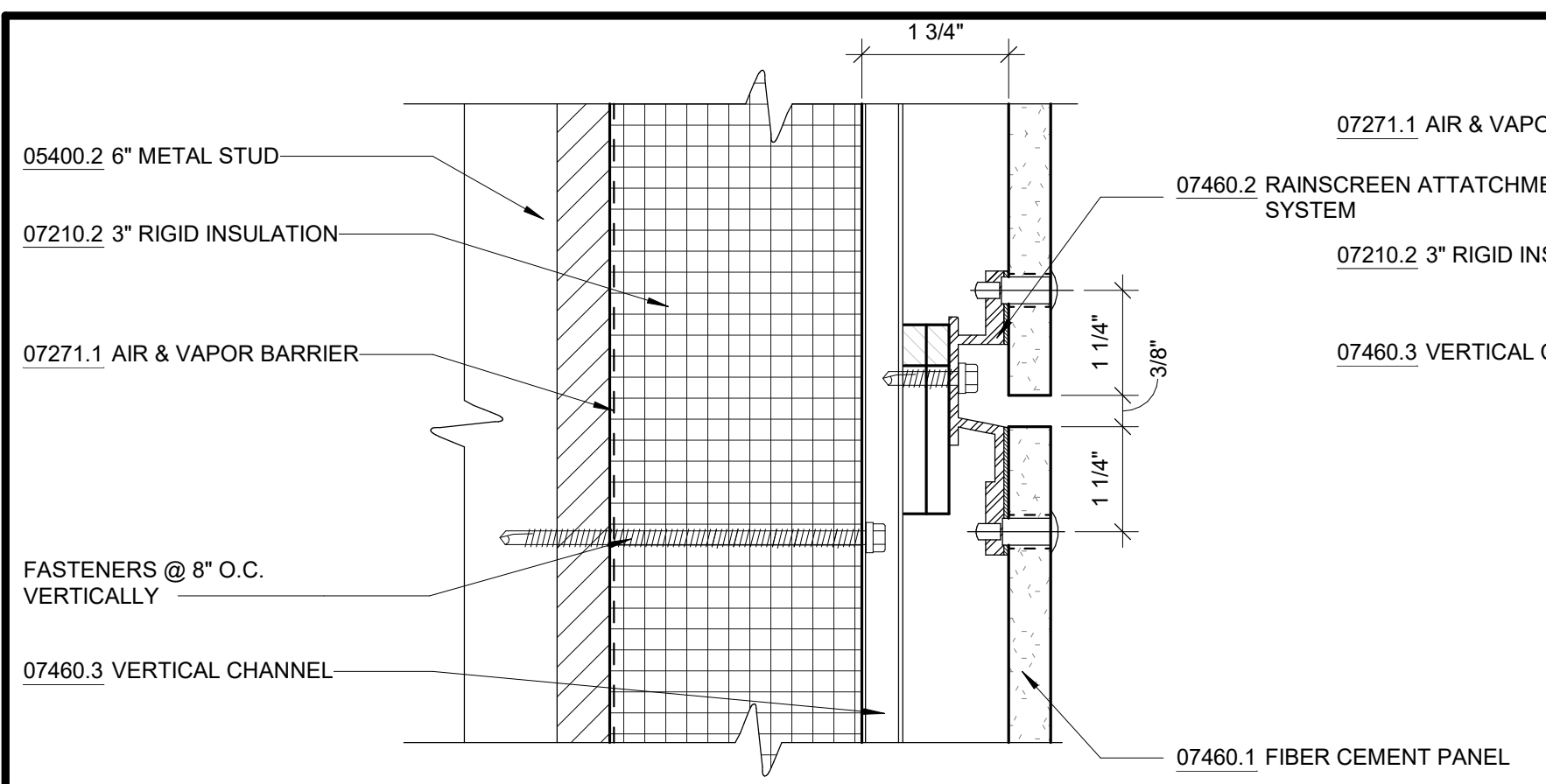
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK

ARCHITECTURAL SECTION DETAILS

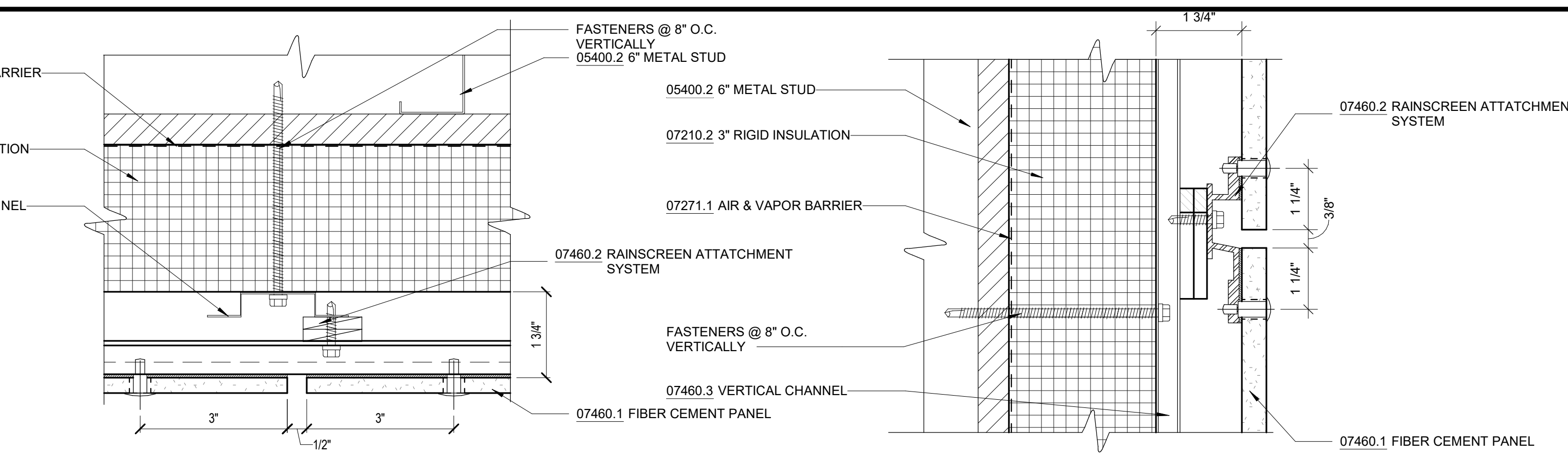
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DRAWING NO.
A1-306

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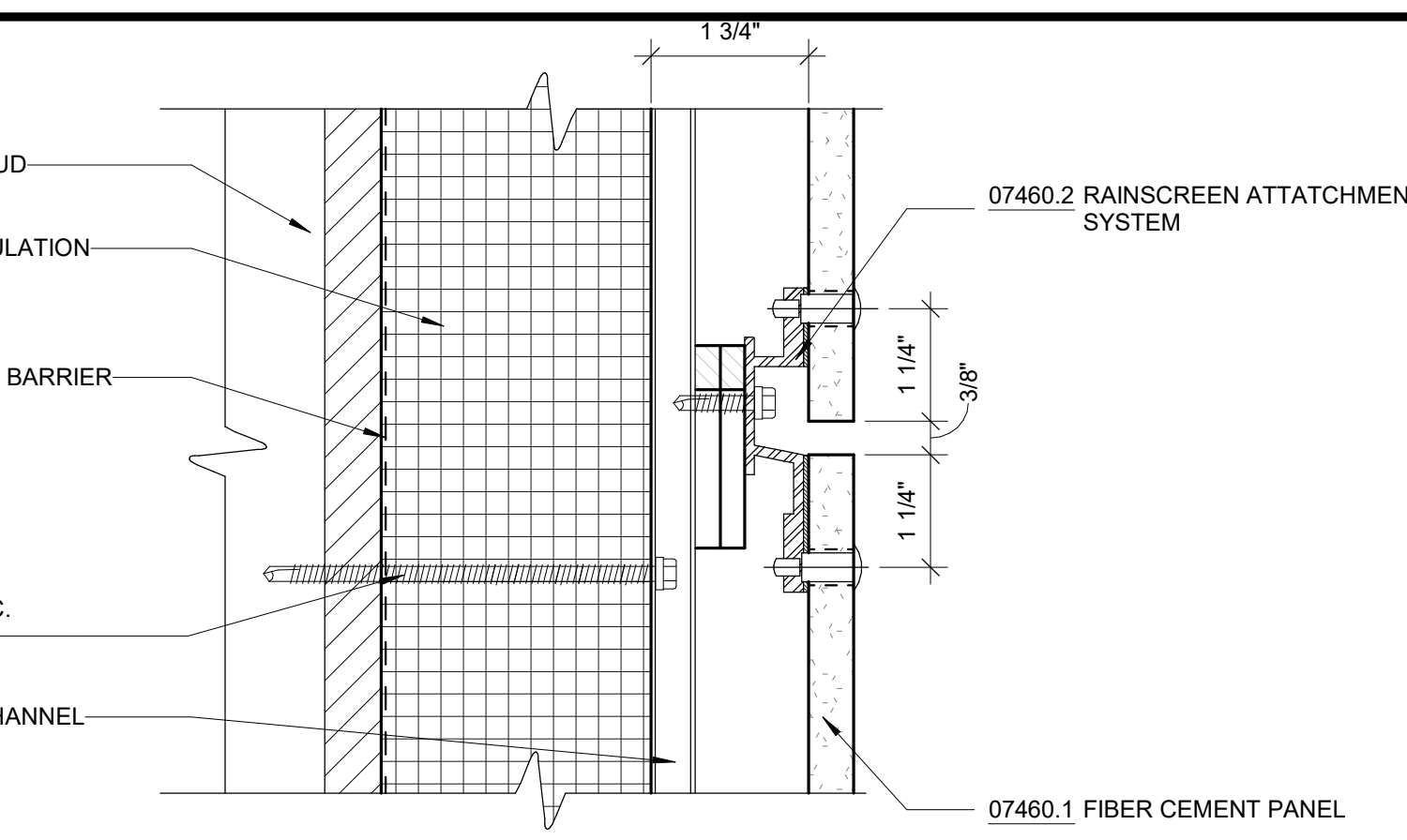
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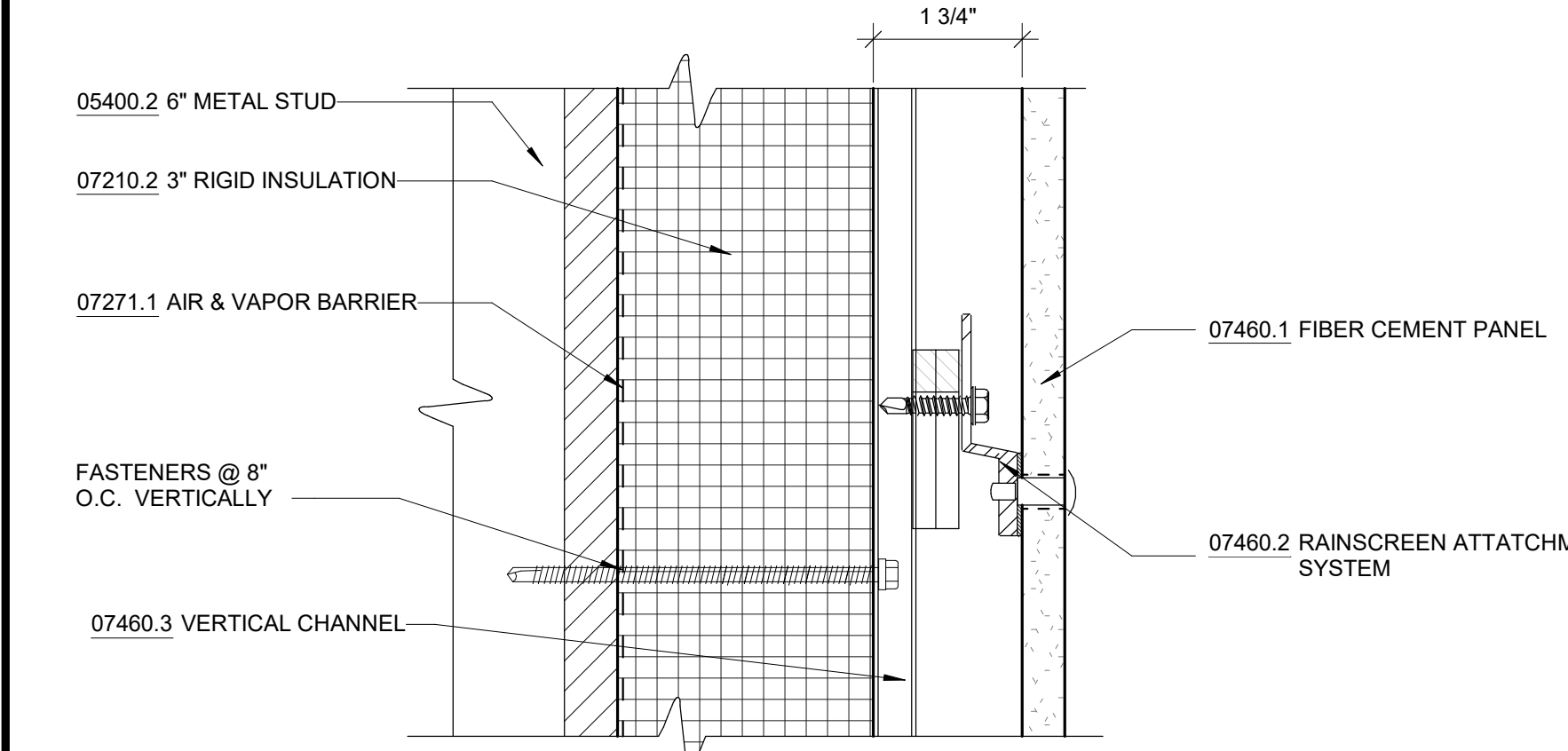
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A1-307 SCALE: 6" = 1'-0"



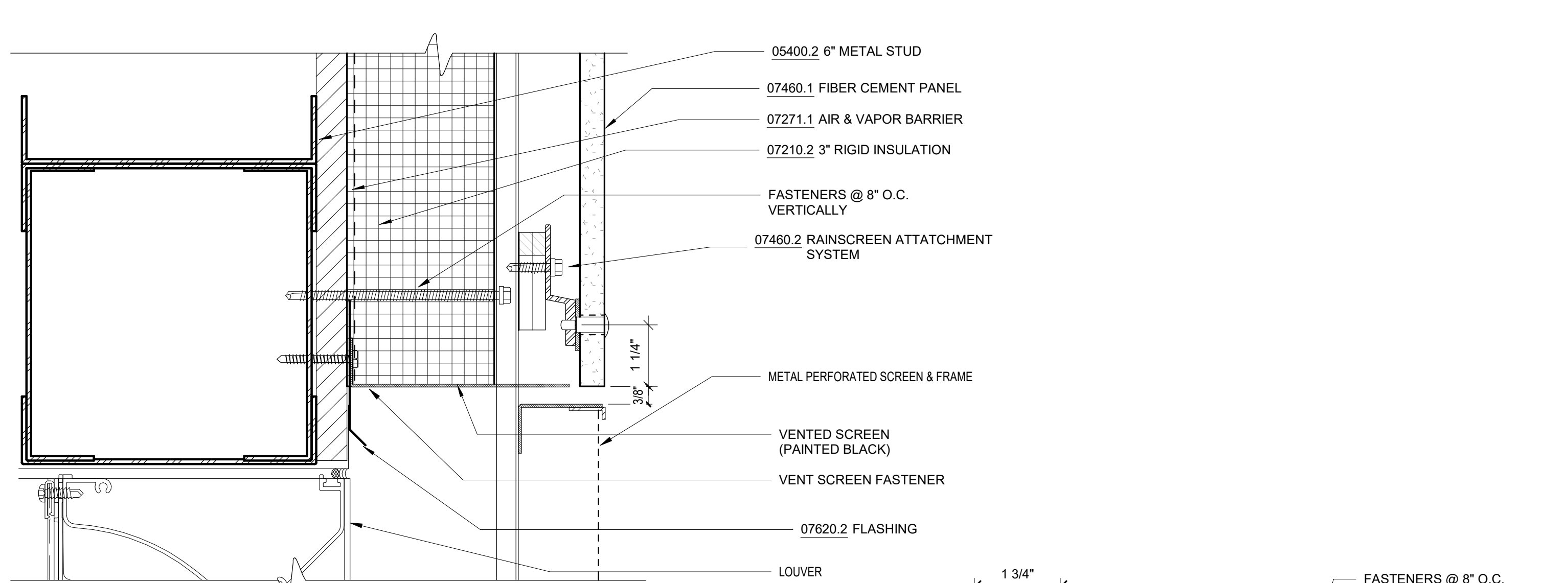
4 VERTICAL PANEL JOINT
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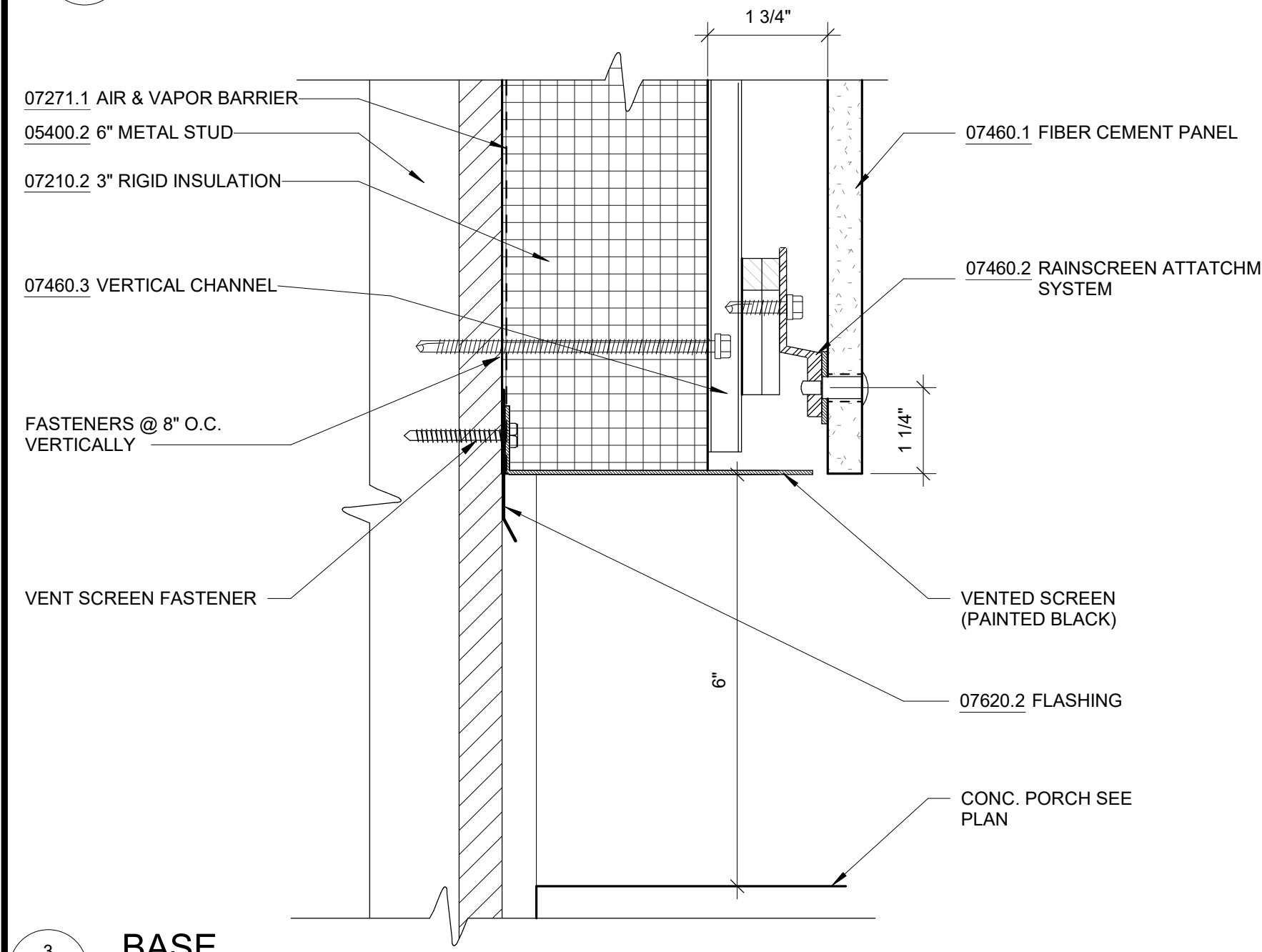
7 CEMENT PANEL TOP DETAIL
A1-307 SCALE: 6" = 1'-0"



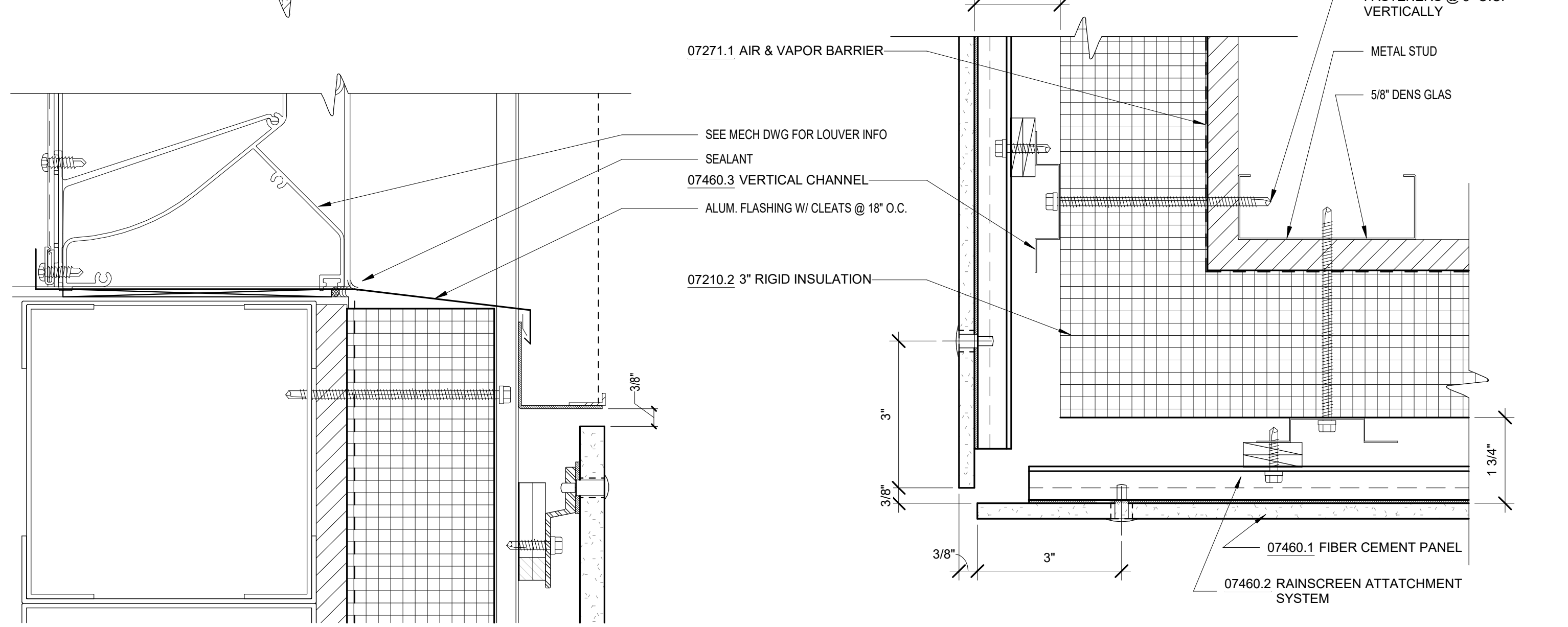
2 HORIZONTAL MID PANEL
A1-307 SCALE: 6" = 1'-0"



6 SECTION DETAIL - METAL PERFORATED SCREEN
A1-307 SCALE: 6" = 1'-0"



3 BASE
A1-307 SCALE: 6" = 1'-0"



5 OUTSIDE CORNER PANELS
A1-307 SCALE: 6" = 1'-0"

NOTES - DETAILS

DIVISION 4	04051.1 GROUT SOLID	
	04400.1 STONE VENEER	4" FULL VENEER LIMESTONE
	04400.2 WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
	04400.3 MORTAR NET	
DIVISION 5	05400.1 3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
	05400.2 6" METAL STUD	6" METAL STUD, 16" O.C.
	05400.3 2-1/2" MTL STUD	2-1/2" METAL STUD, 16" O.C.
	05400.4 8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6	06160.1 <varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
	06640.1 1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
	06640.2 PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7	07111.1 DAMPPROOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
	07210.1 BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
	07210.2 3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
	07221.1 6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
	07271.1 AIR & VAPOR BARRIER	ADHERED TO GLASS MAT SHEATHING
	07460.1 FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
	07460.2 RAINSCREEN ATTACHMENT SYSTEM	THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM
	07460.3 VERTICAL CHANNEL	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
	07611.1 STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF
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	07620.1 FLASHING	COPPER THRU-WALL FLASHING
	07620.2 FLASHING	
	07620.3 FLASHING	
	07900.1 SEALANT	
	07900.2 CAULK	
	07900.3 BACKER ROD	
DIVISION 8	08110.1 H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
	08800.1 GLAZING	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
	08911.1 7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
	08911.2 6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
	08911.3 BRAKE METAL	FINISH TO MATCH CURTAIN WALL
DIVISION 9	09206.1 METAL FURRING	
	09206.2 METAL FURRING CHANNEL CLIP	
	09206.3 1 1/2" STEEL RUNNING CHANNEL	
	09206.4 GAT CLIP	4B1.5L CAT. #16.59 SM (OR OTHER APPROVED MEANS)
	09206.5 MAIN TEE	24" OC MAX. SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
	09206.6 DIRECT HANG CLIP	
	09206.7 HAT CHANNEL	7/8" METAL HAT CHANNEL
	09250.1 5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
	09250.2 TRIM	J TRIM WITH SEALANT BEAD
	09250.5 STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
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	09511.5 CROSS TEE	1 1/2" HIGH, 2'-0" OC
	09511.6 CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL

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Hazen	

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PORTFOLIO MANAGER MARK DELBALZO, P.E.	

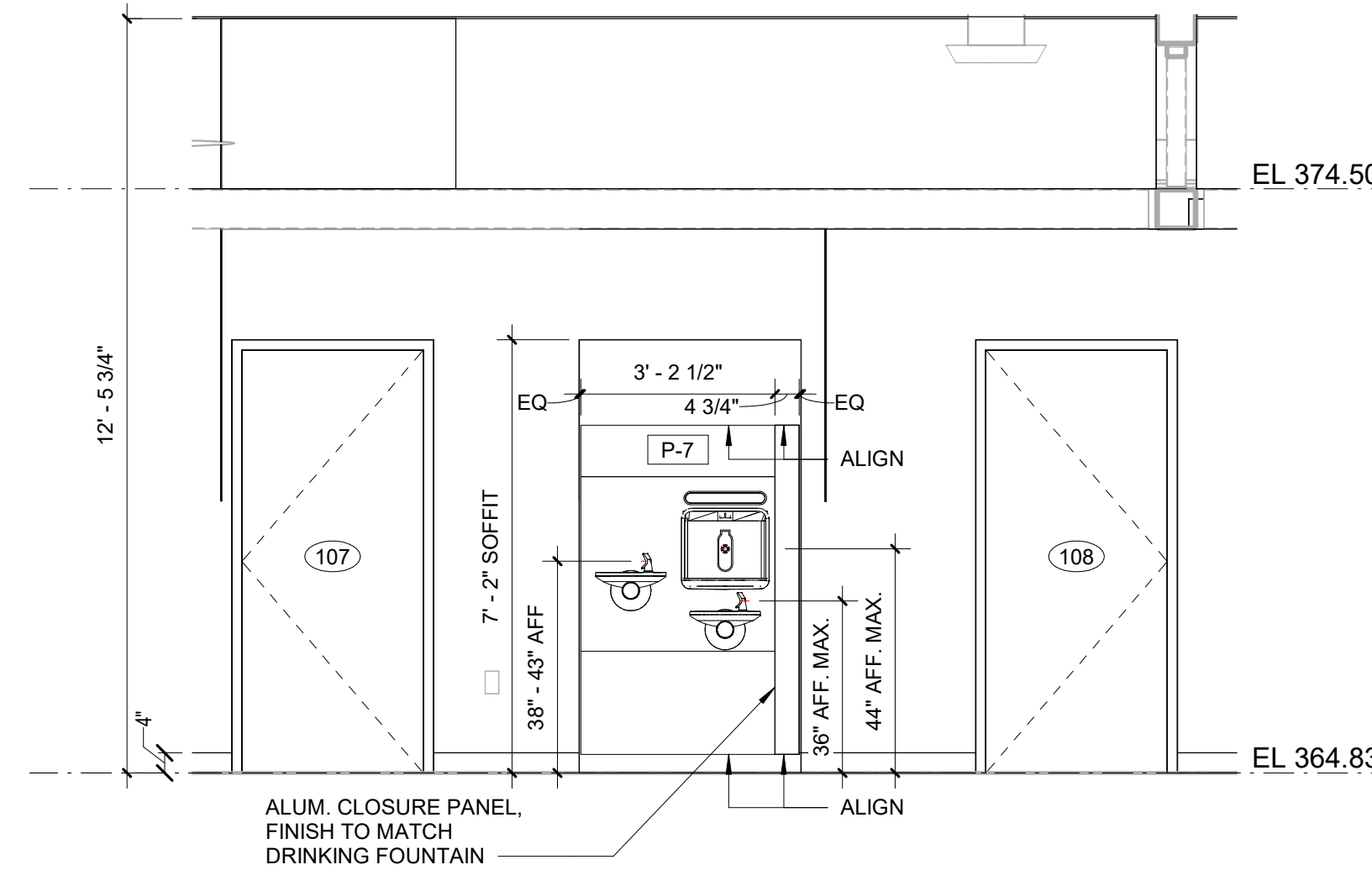
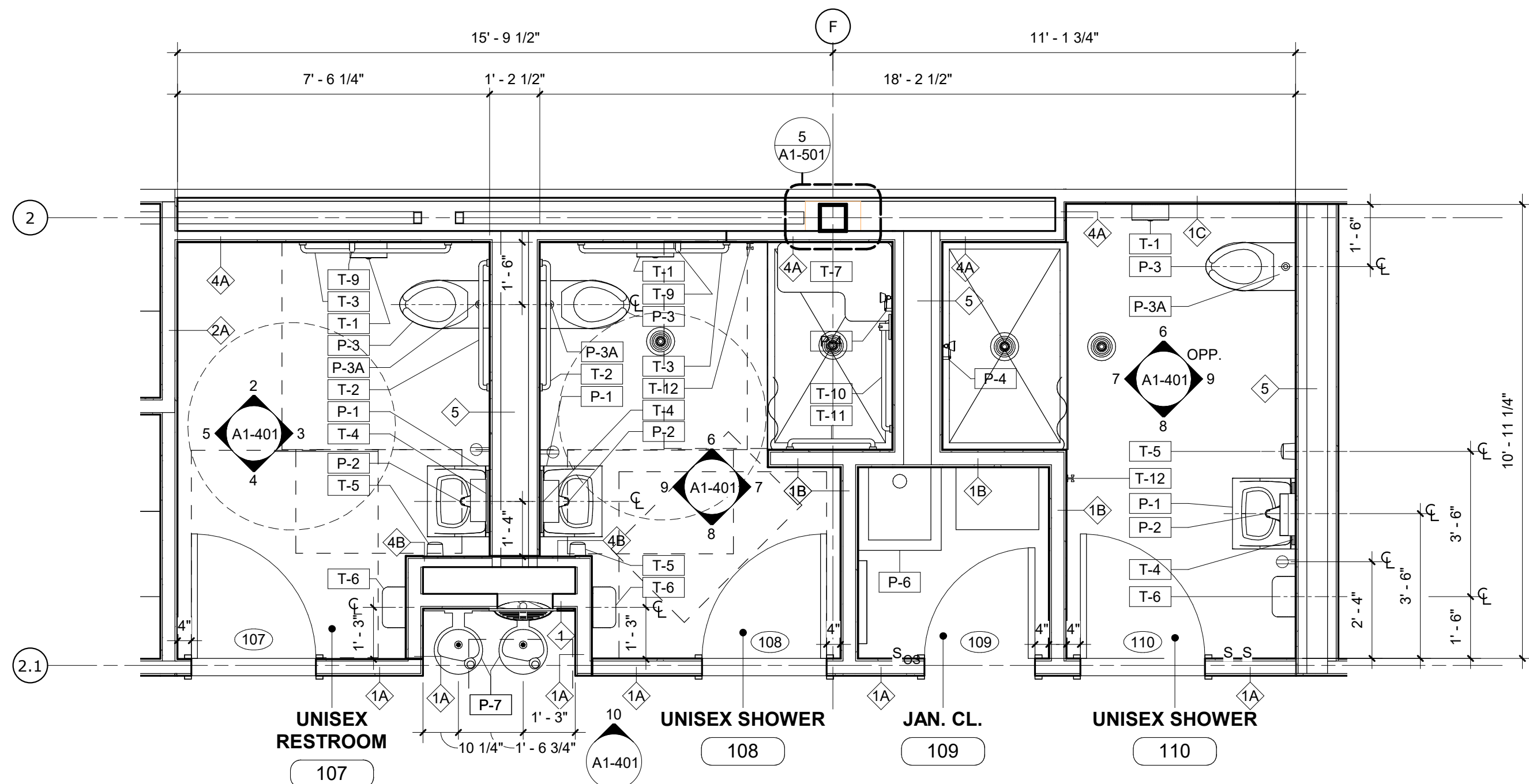
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL FIBER CEMENT PANEL DETAILS

DATE: JANUARY 2021
SCALE:
SHEET NO: 57 OF No. 80
DRAWING NO. A1-307

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1 ENLARGED PLAN - TOILET AND SHOWER ROOMS
SCALE: 3/8" = 1'-0"

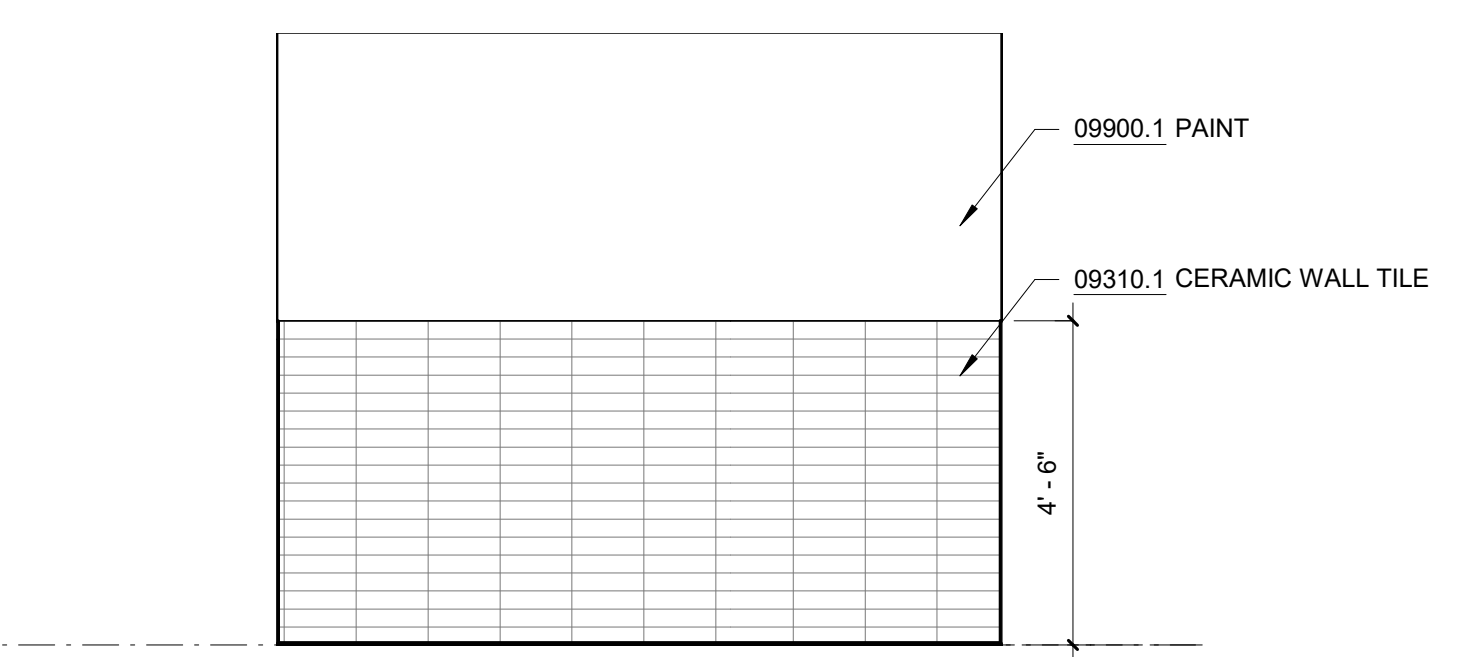
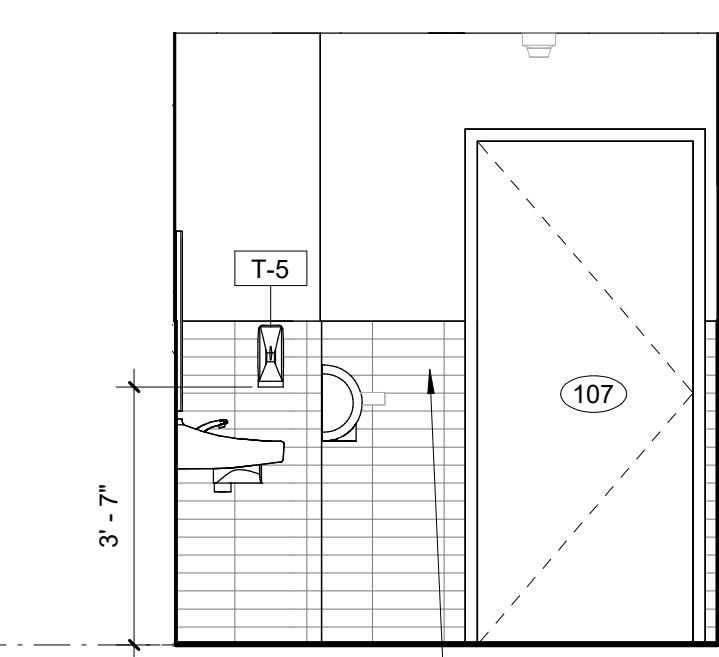
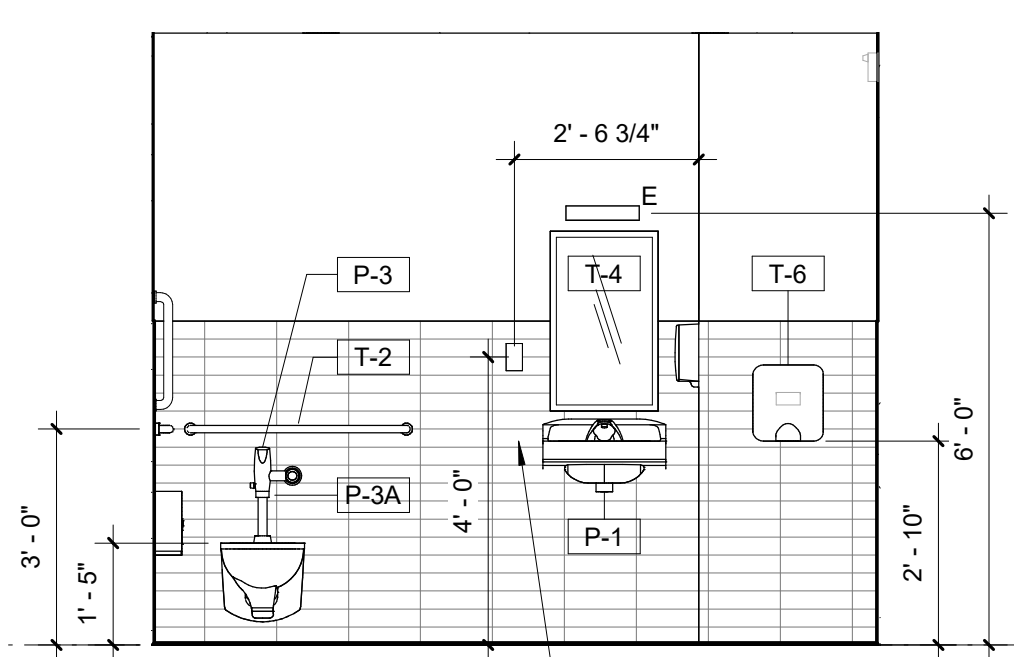
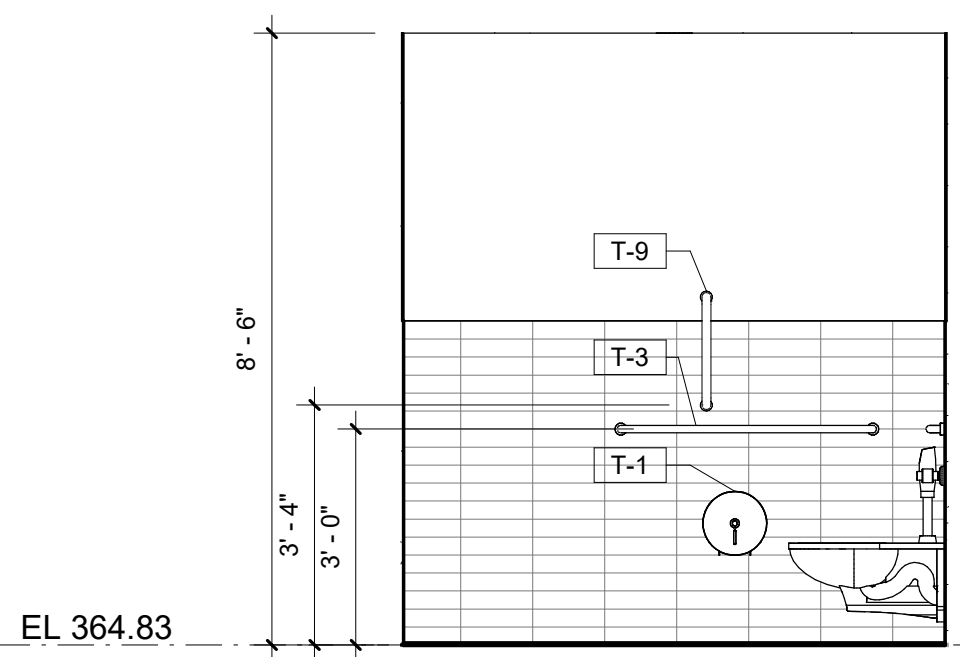
10 CORRIDOR WEST ELEV - PARTIAL
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE	
TYPE MARK	DESCRIPTION
T-1	TOILET PAPER DISPENSER
T-2	GRAB BAR - 36"
T-3	GRAB BAR - 42"
T-4	MIRROR
T-5	SOAP DISPENSER
T-6	HAND DRYER
T-7	ADA SHOWER SEAT
T-8	SHOWER CURTAIN
T-9	SHOWER GRAB BAR VERTICAL - 18"
T-10	SHOWER GRAB BAR - 30"
T-11	SHOWER GRAB BAR - 24"
T-12	ROBE HOOK
T-13	SHOWER CURTAIN ROD

PLUMBING FIXTURE SCHEDULE	
TYPE MARK	DESCRIPTION
P-1	SINK WALL MOUNTED
P-2	FAUCET
P-3	WATER CLOSET WALL MOUNTED
P-3A	FLUSH VALVE
P-4	HAND SHOWER
P-4A	SHOWER VALVE
P-6	MOP SINK
P-7	BI-LEVEL DRINKING FOUNTAIN W/ INTEGRAL BOTTLE FILLER

NOTES - TOILET ROOM

- DIVISION 9
- 09310.1 CERAMIC WALL TILE COLOR TO MATCH ARCHITECT'S SAMPLE
- 09310.2 CERAMIC WALL TILE ACCENT TILE
- 09900.1 PAINT COLOR TO MATCH ARCHITECT'S SAMPLE

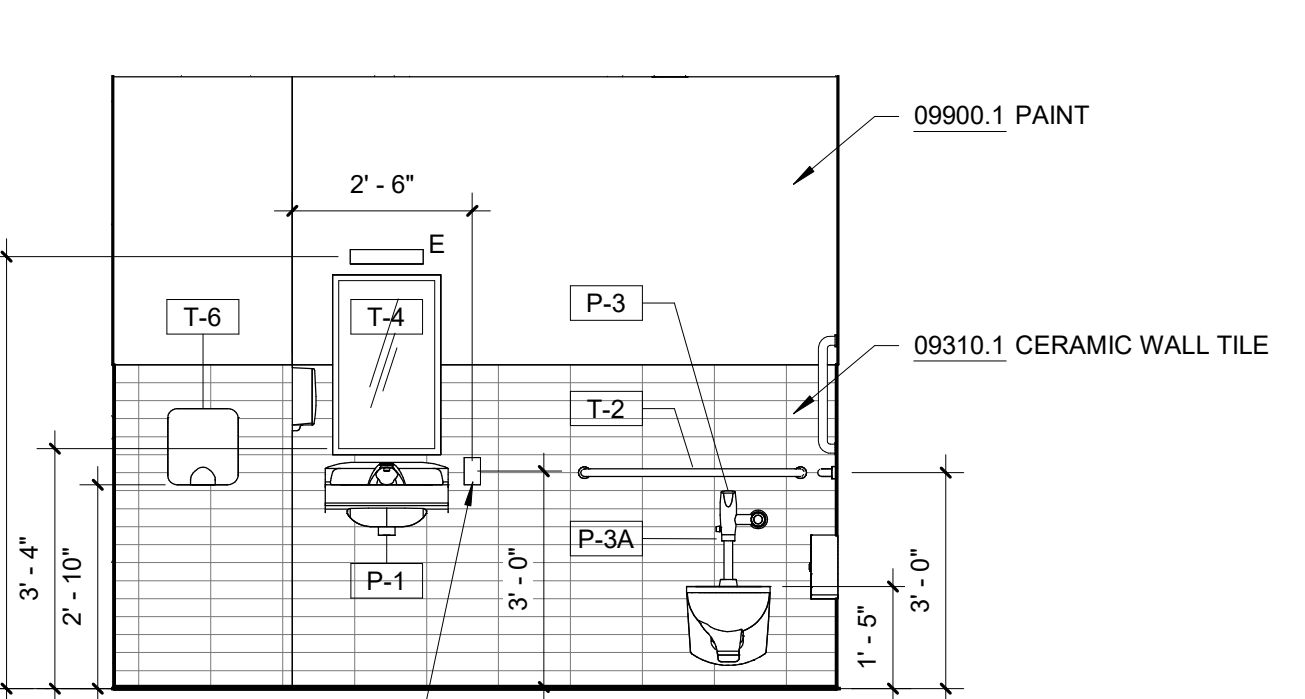
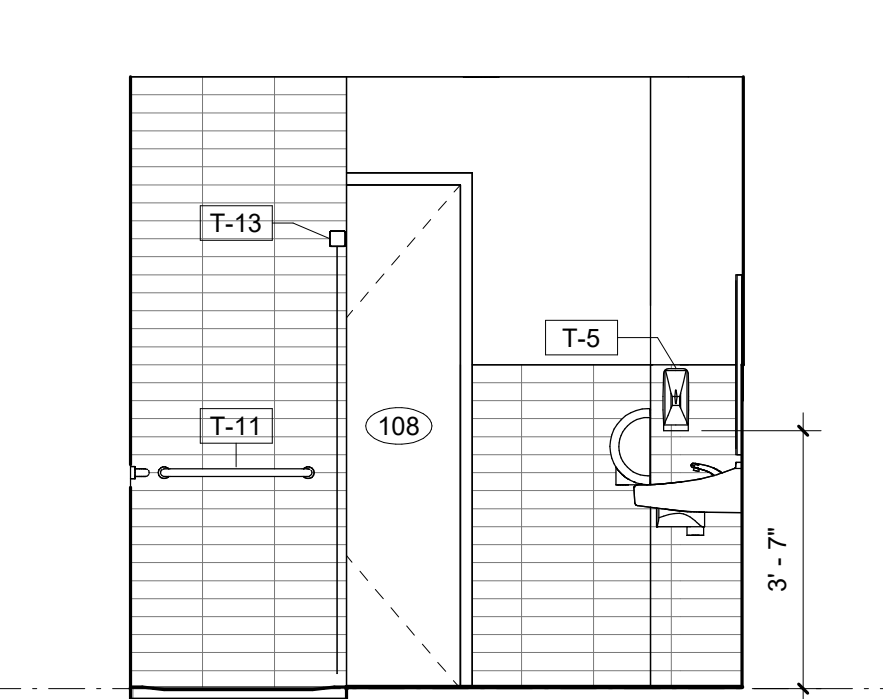
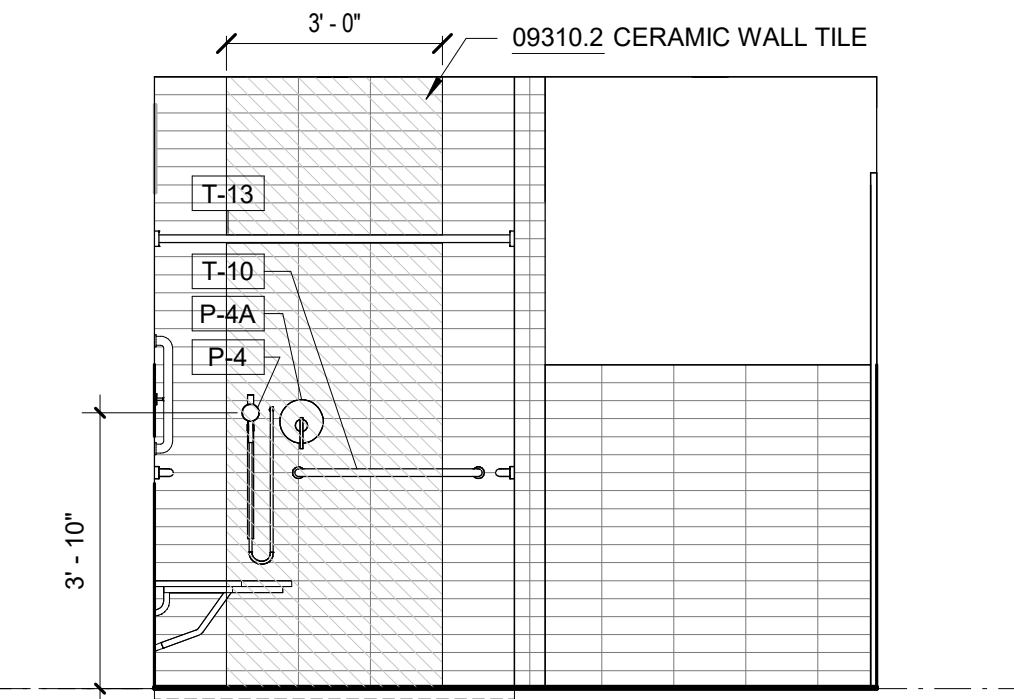
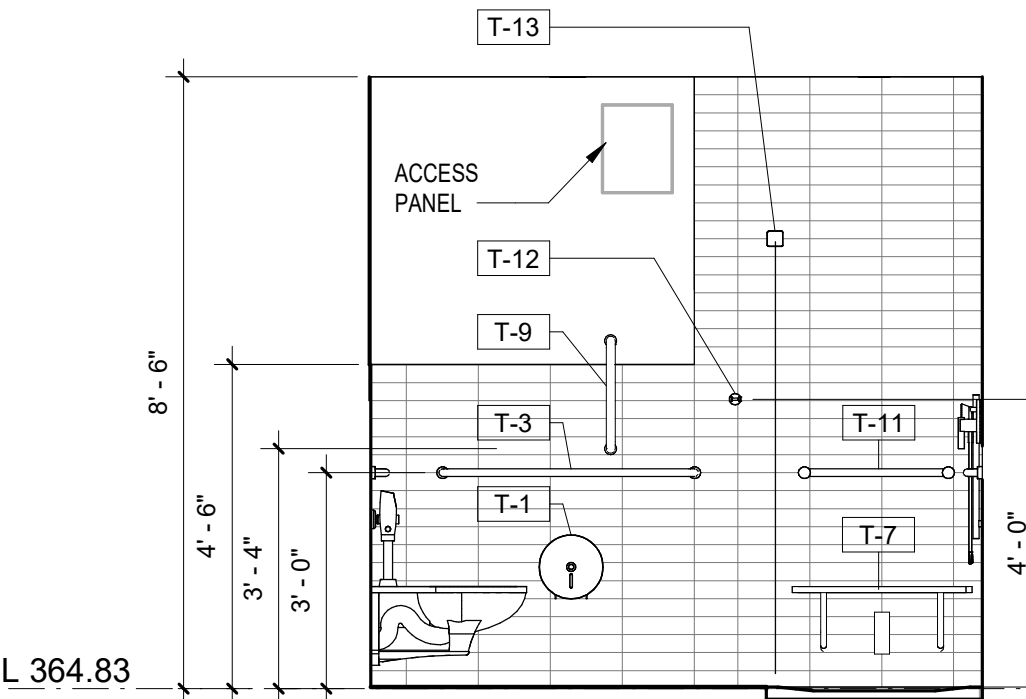


2 UNISEX RESTRM WEST ELEV
SCALE: 3/8" = 1'-0"

3 UNISEX RESTRM NORTH ELEV
SCALE: 3/8" = 1'-0"

4 UNISEX RESTRM EAST ELEV
SCALE: 3/8" = 1'-0"

5 UNISEX RESTRM SOUTH ELEV
SCALE: 3/8" = 1'-0"



6 UNISEX SHOWER WEST ELEV
SCALE: 3/8" = 1'-0"

7 UNISEX SHOWER NORTH ELEV
SCALE: 3/8" = 1'-0"

8 UNISEX SHOWER EAST ELEV
SCALE: 3/8" = 1'-0"

9 UNISEX SHOWER SOUTH ELEV
SCALE: 3/8" = 1'-0"

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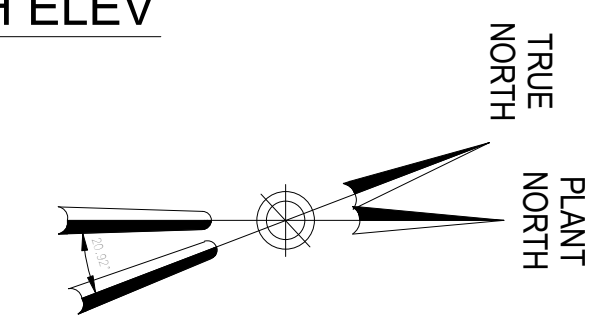
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DRAWN BY: S. KINARD
CHECKED BY: E. CLAASSEN
DESIGN LEAD: EDWARD BARBOE, P.E.



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PORTFOLIO MANAGER
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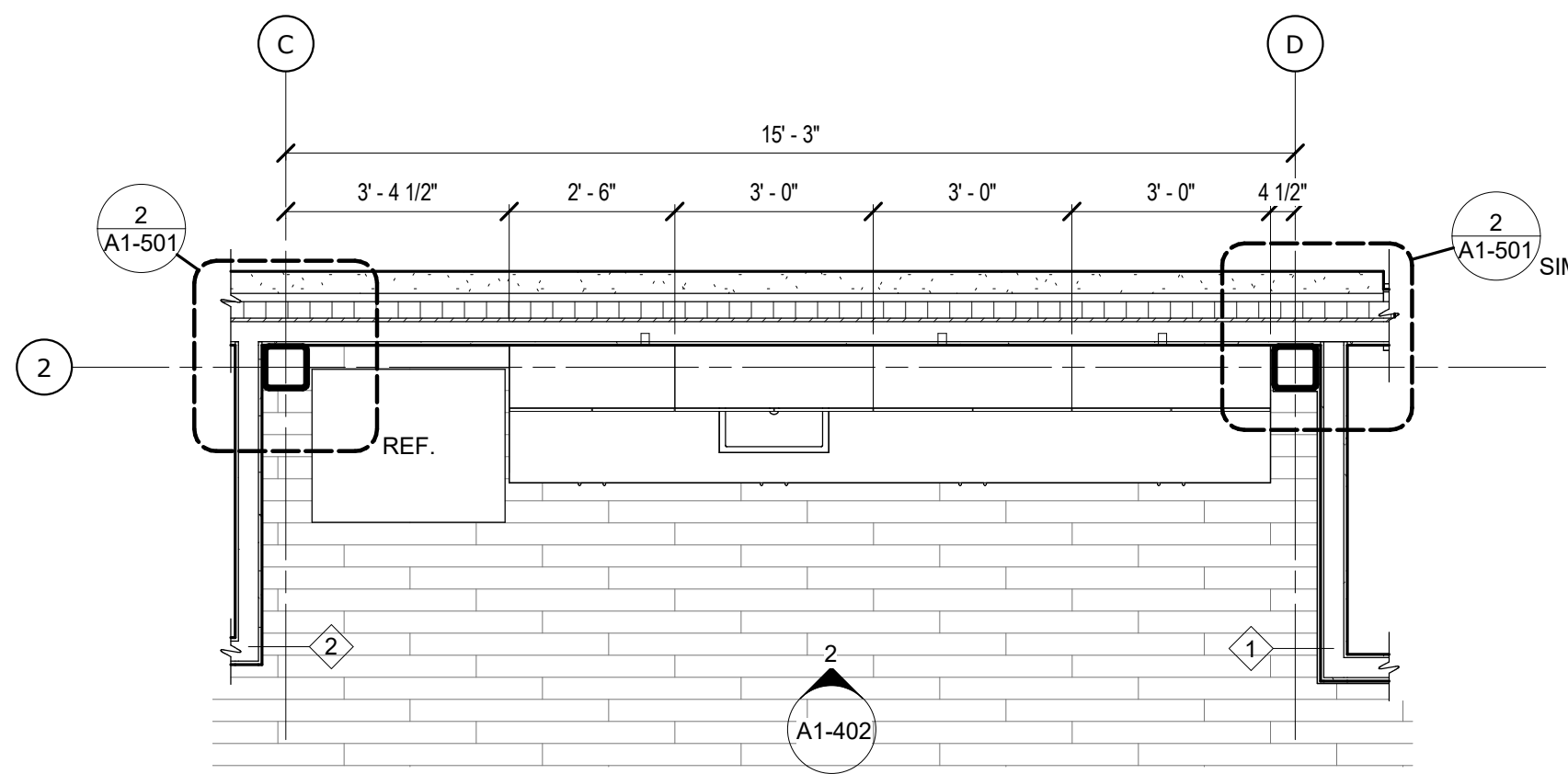


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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL ENLARGED TOILET ROOM PLANS AND ELEVATIONS	DATE: JANUARY 2021
	SCALE: SHEET NO: 58 OF No. 80
	DRAWING NO. A1-401

Autodesk Docs/09290-02A_CAD-423 WFO-02A Waterfowl Mgmt Program/09290-02A_A_VFB.rvt 7/20/2021 10:25:05 AM

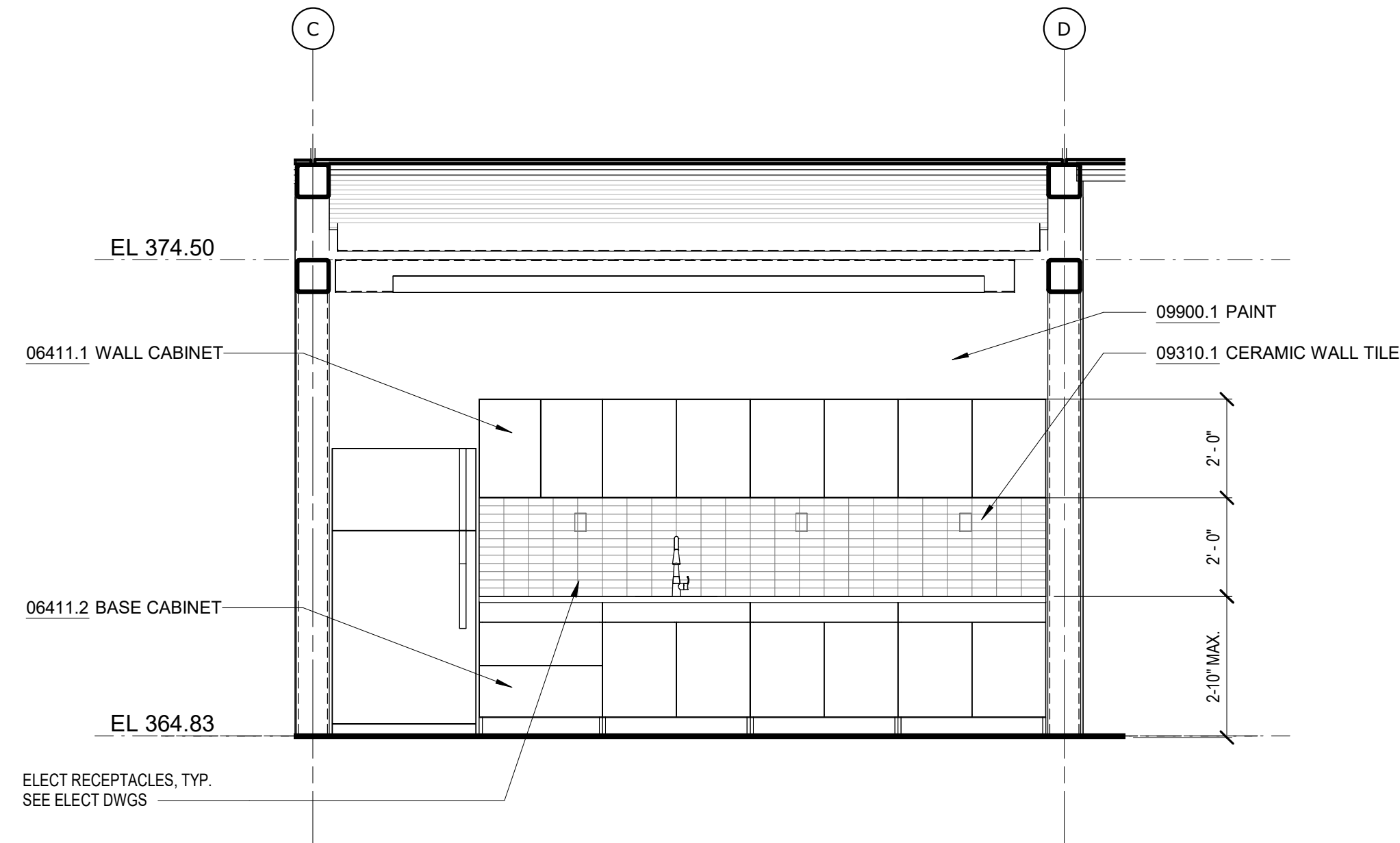
NOTES - KITCHEN

DIVISION 6		
06100.1	BLOCKING	PROVIDE CONTINUOUS WOOD BLOCKING
06100.2	BLOCKING	CONTINUOUS WALL CLEAT ANCHORED TO WALL
06100.3	3/4" PLYWOOD	3/4" MARINE GRADE PLYWOOD, TYP.
06411.1	WALL CABINET	SOLID WOOD WALL CABINET, LAMINATE FINISH
06411.2	BASE CABINET	SOLID WOOD BASE CABINET, LAMINATE FINISH
06411.3	SHELVING	ADJUSTABLE SHELVING WITH 1/2" LAMINATED MARINE GRADE PLYWOOD
06411.4	COUNTERTOP	3/4" ENGINEERED STONE COUNTERTOP
DIVISION 7		
07900.2	CAULK	CAULK JOINT AT WALL BETWEEN WALL AND COUNTER W/ CLEAR SEALANT
DIVISION 9		
09250.4	CEMENT BOARD	5/8" CEMENT BACKER BOARD
09310.1	CERAMIC WALL TILE	COLOR TO MATCH ARCHITECT'S SAMPLE
09651.1	RESILIENT FLOORING	LUXURY VINYL TILE (LVT)
09900.1	PAINT	COLOR TO MATCH ARCHITECT'S SAMPLE



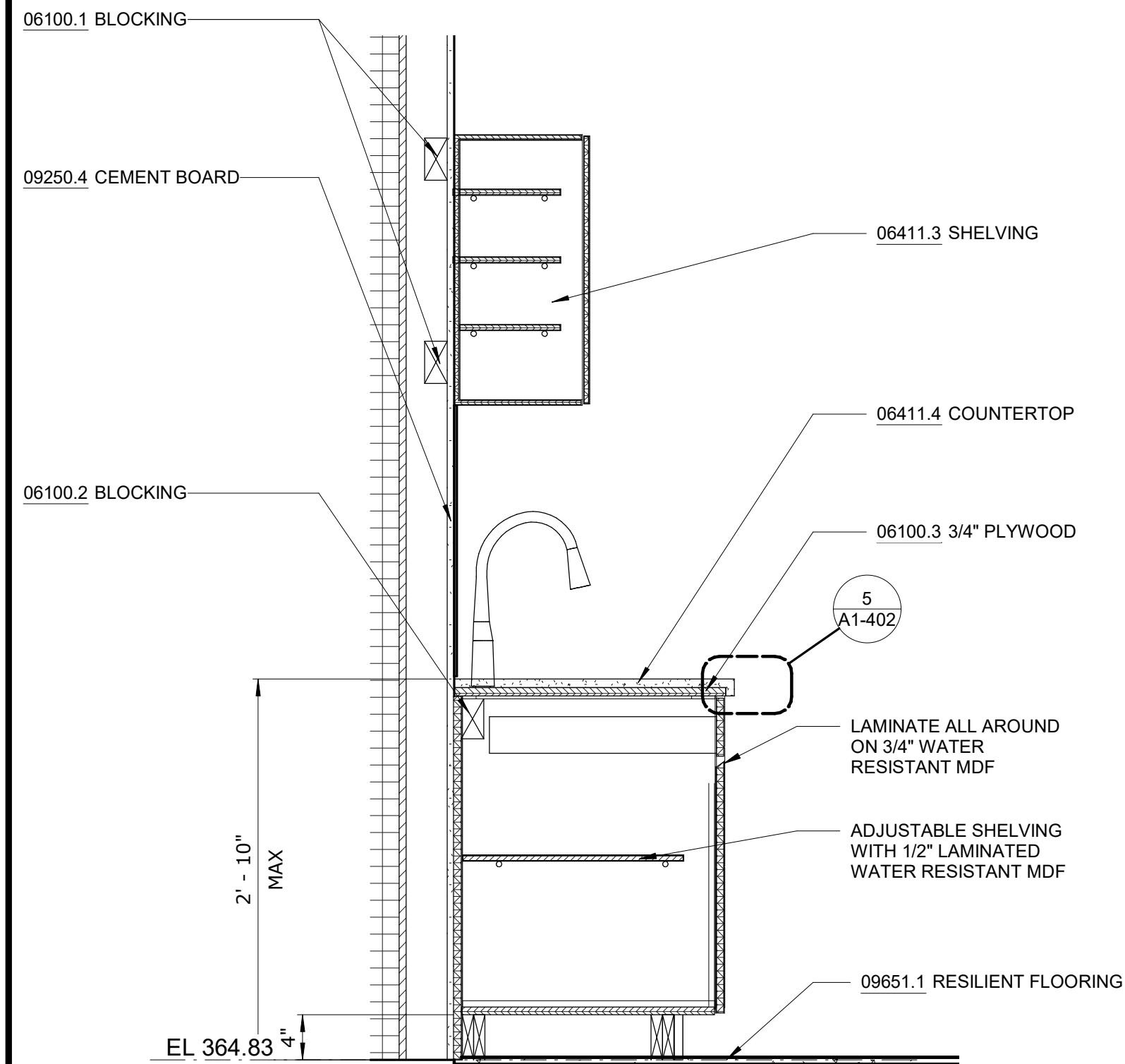
1 ENLARGED KITCHEN PLAN

A1-402 SCALE: 3/8" = 1'-0" 0' 2' 4' 8'



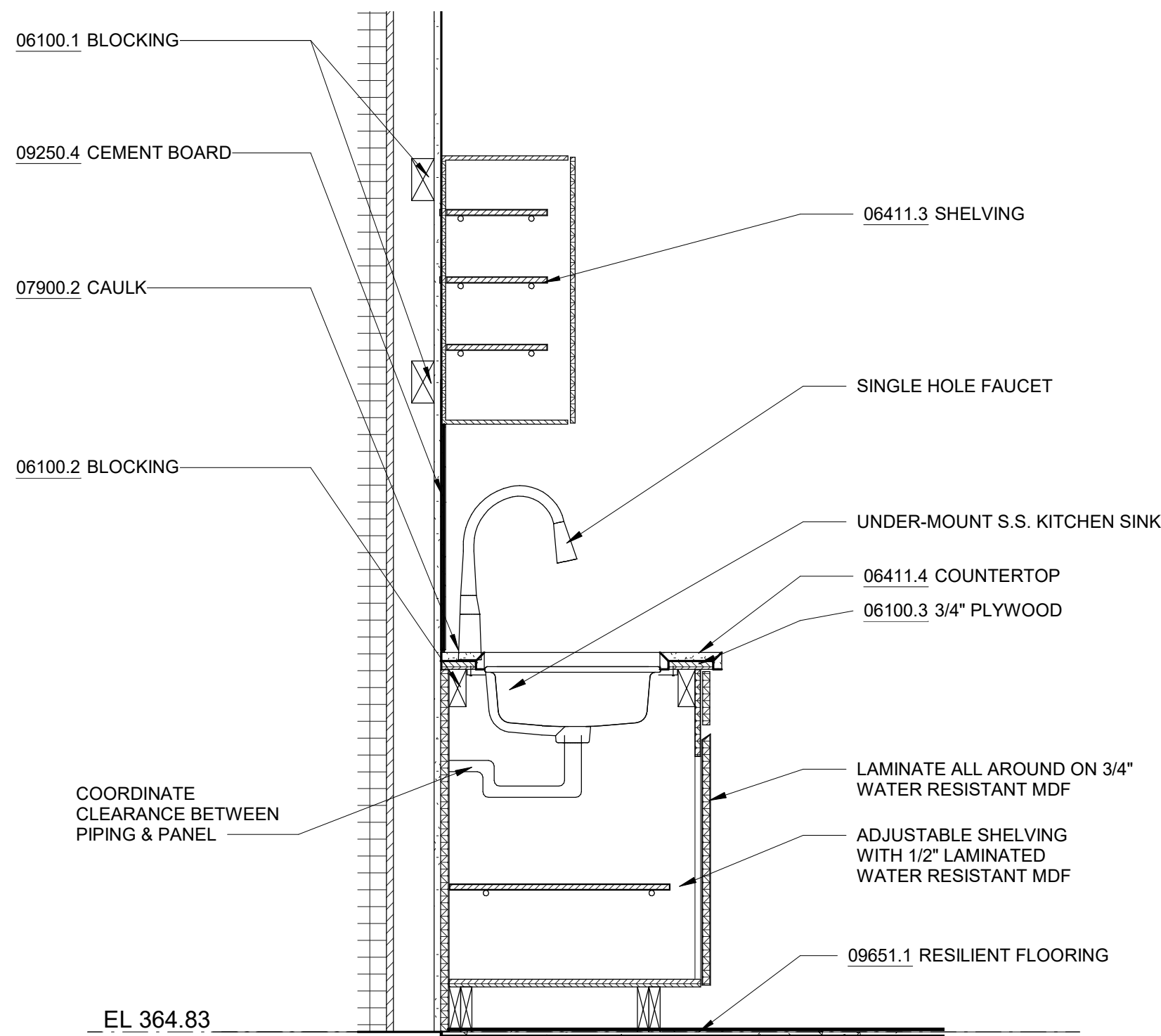
2 ENLARGED KITCHEN ELEVATION

A1-402 SCALE: 3/8" = 1'-0" 0' 2' 4' 8'



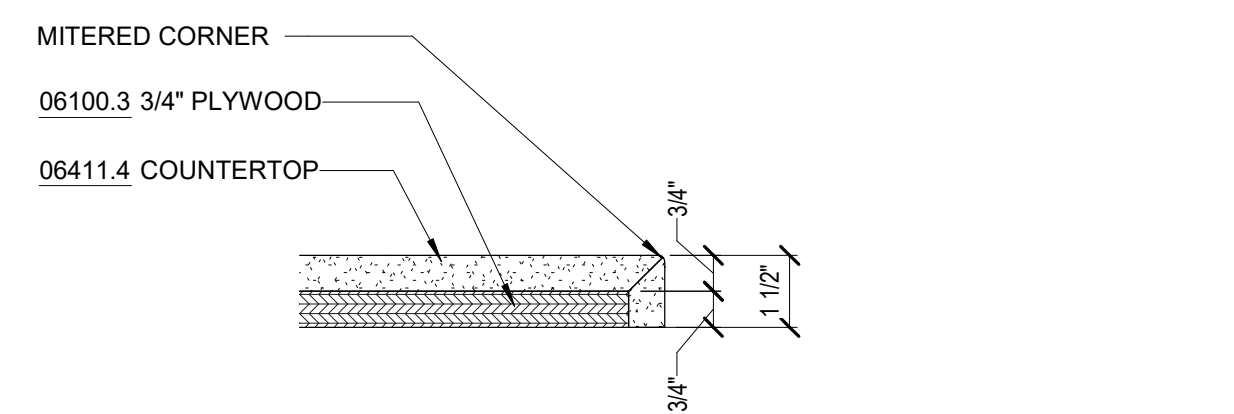
3 KITCHENETTE CABINETRY SECTION

A1-402 SCALE: 1" = 1'-0" 0' 6" 1' 2'



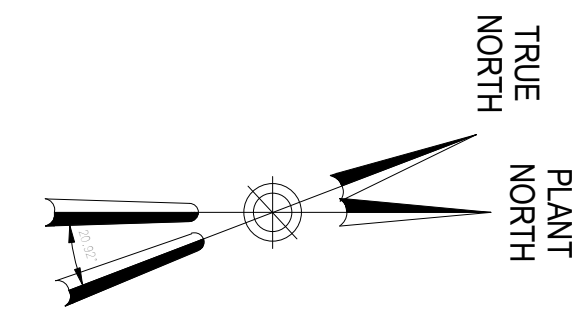
4 KITCHENETTE CABINETRY SECTION THRU SINK

A1-402 SCALE: 1" = 1'-0" 0' 6" 1' 2'



5 DETAIL - COUNTERTOP EDGE

A1-402 SCALE: 3" = 1'-0" 0' 1" 2" 3" 6"



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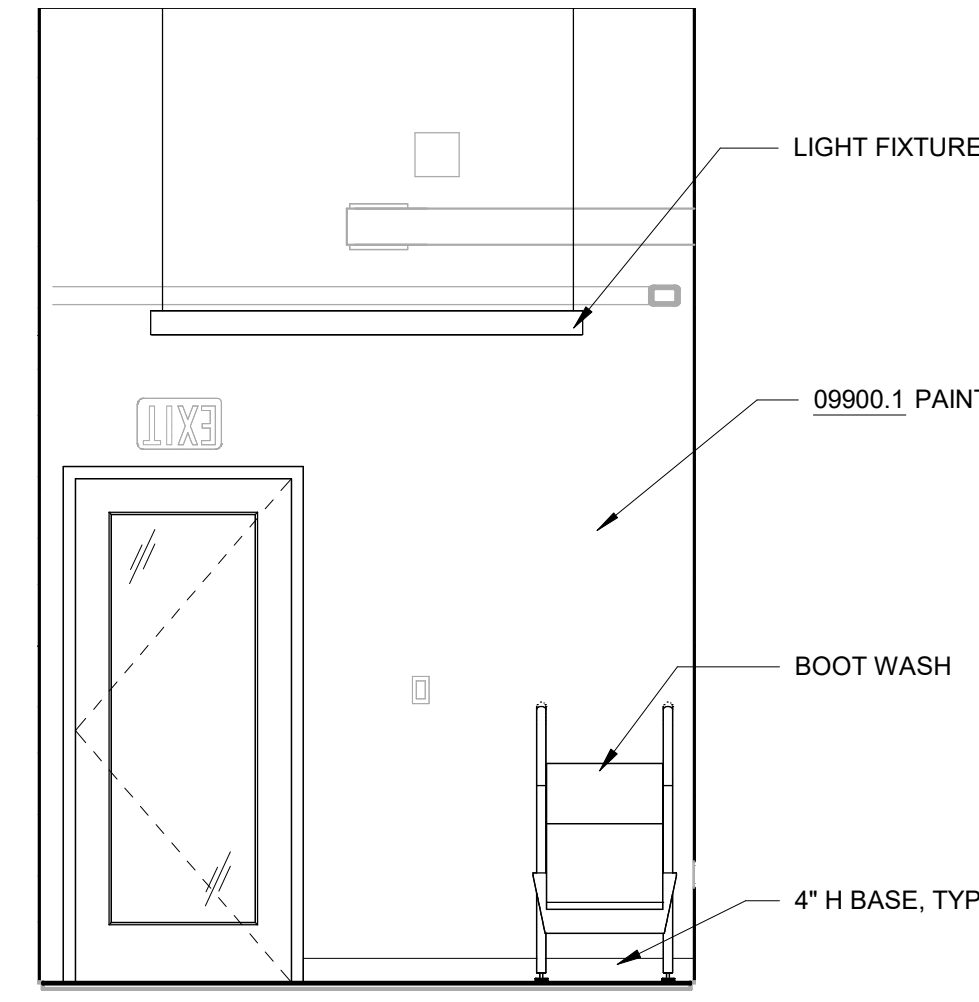
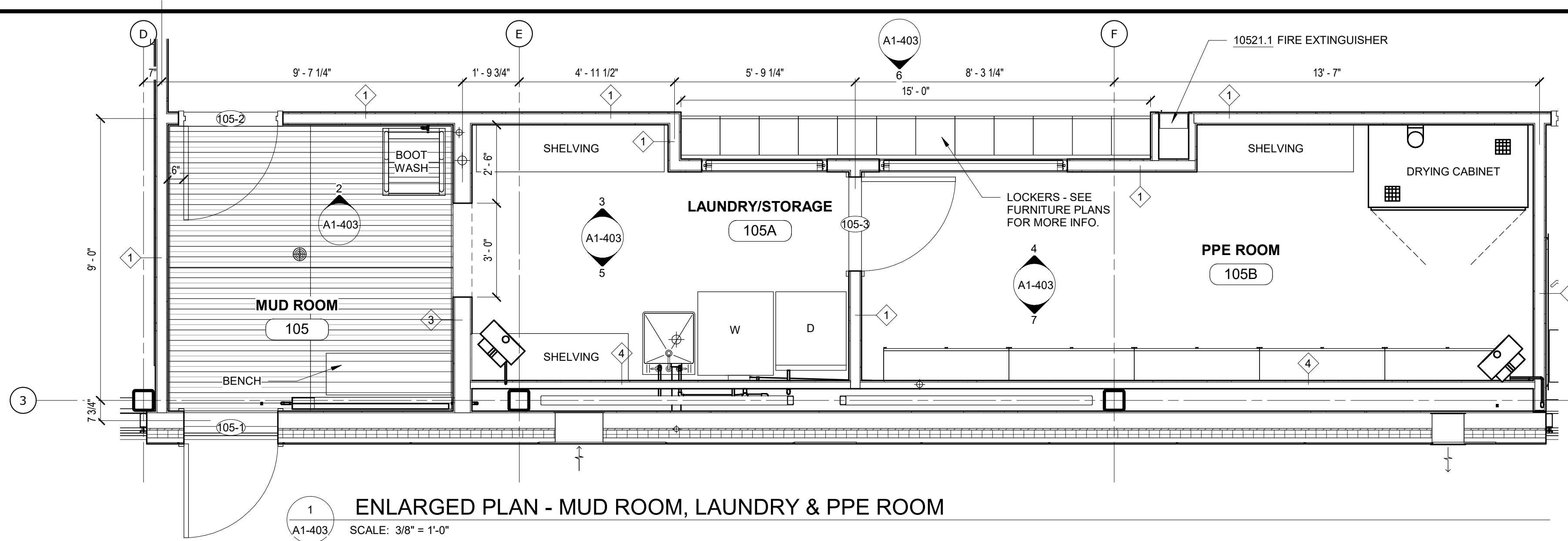
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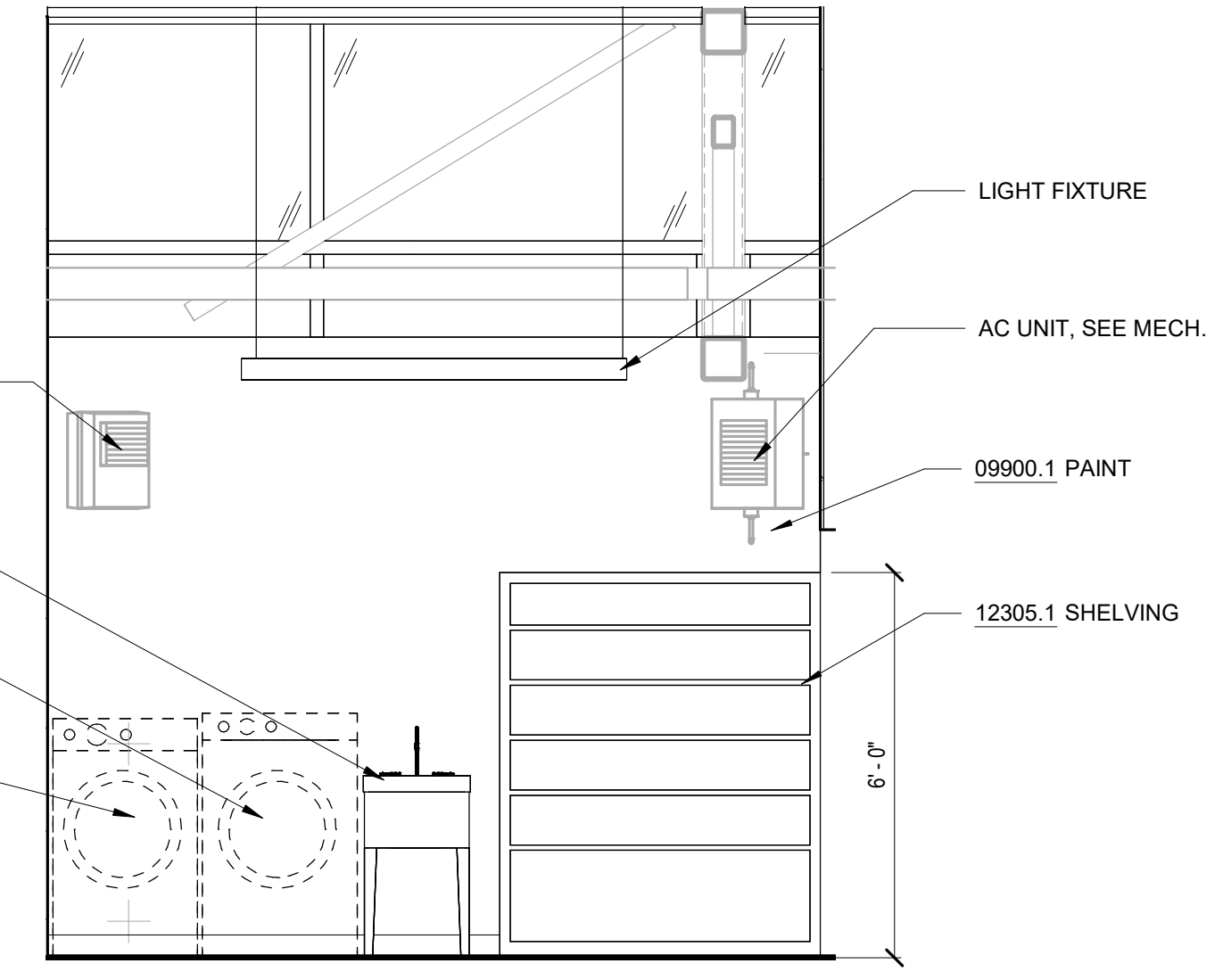
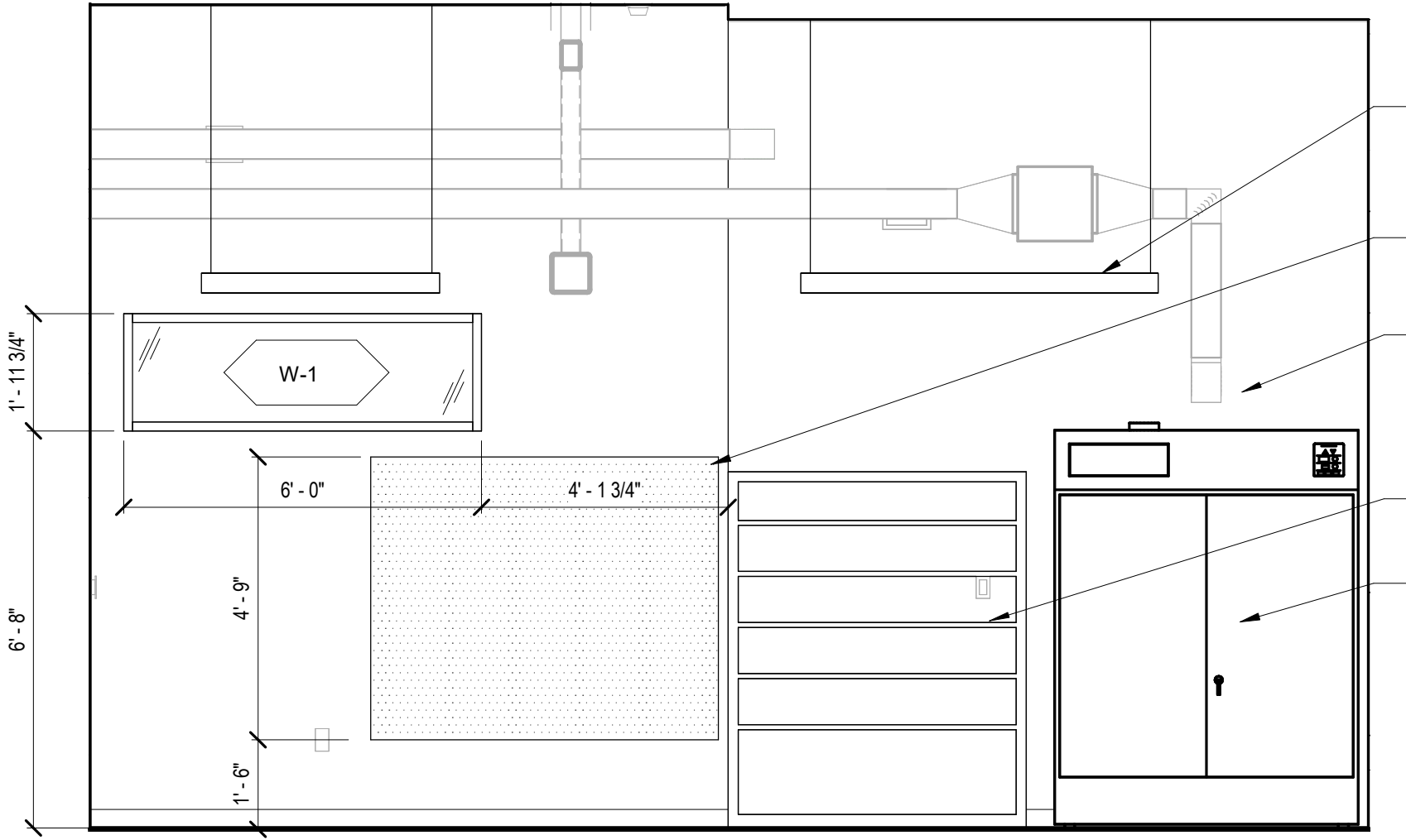
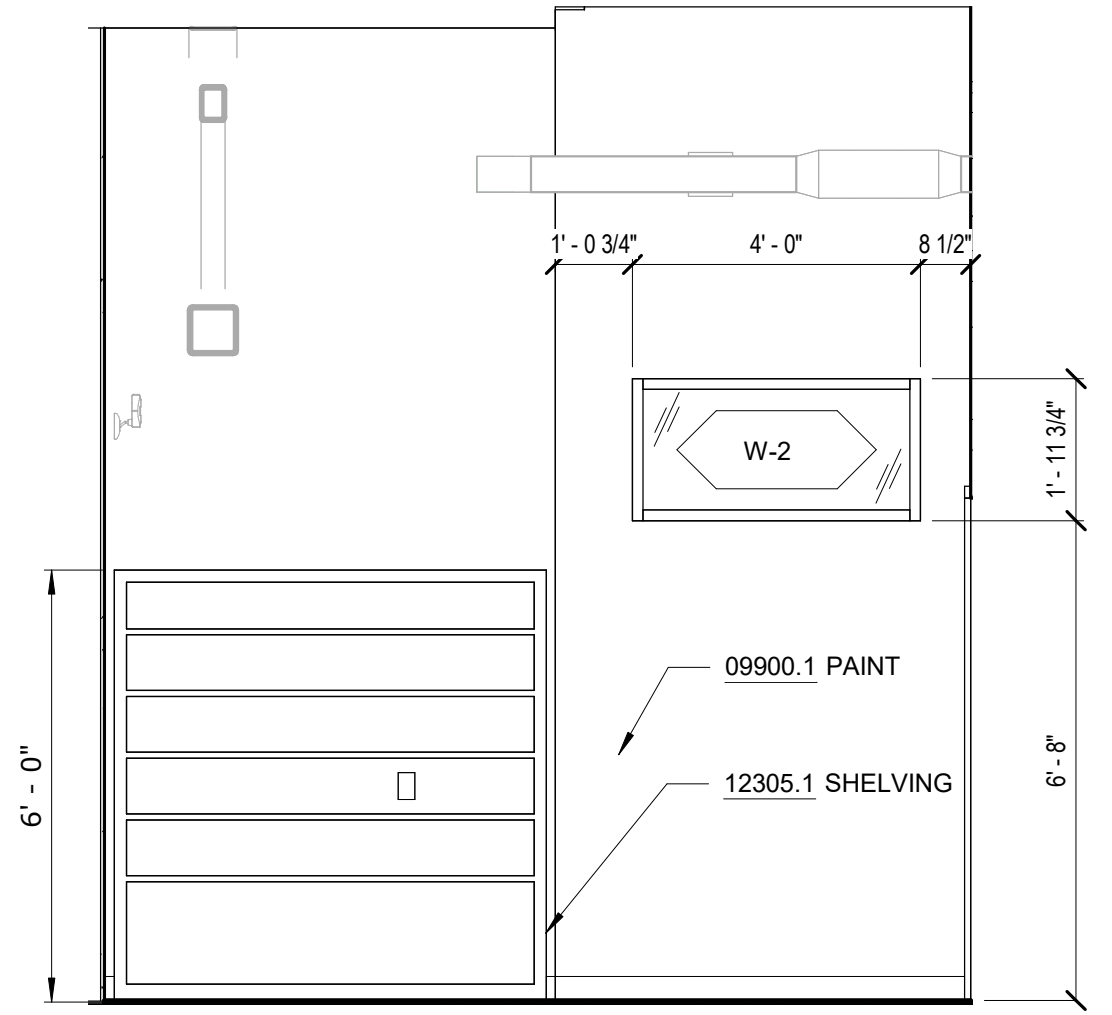
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
ENLARGED KITCHEN PLAN, ELEVATION, AND DETAILS

DATE: JANUARY 2021
SCALE:
SHEET NO:
59 OF No. 80
DRAWING NO.
A1-402



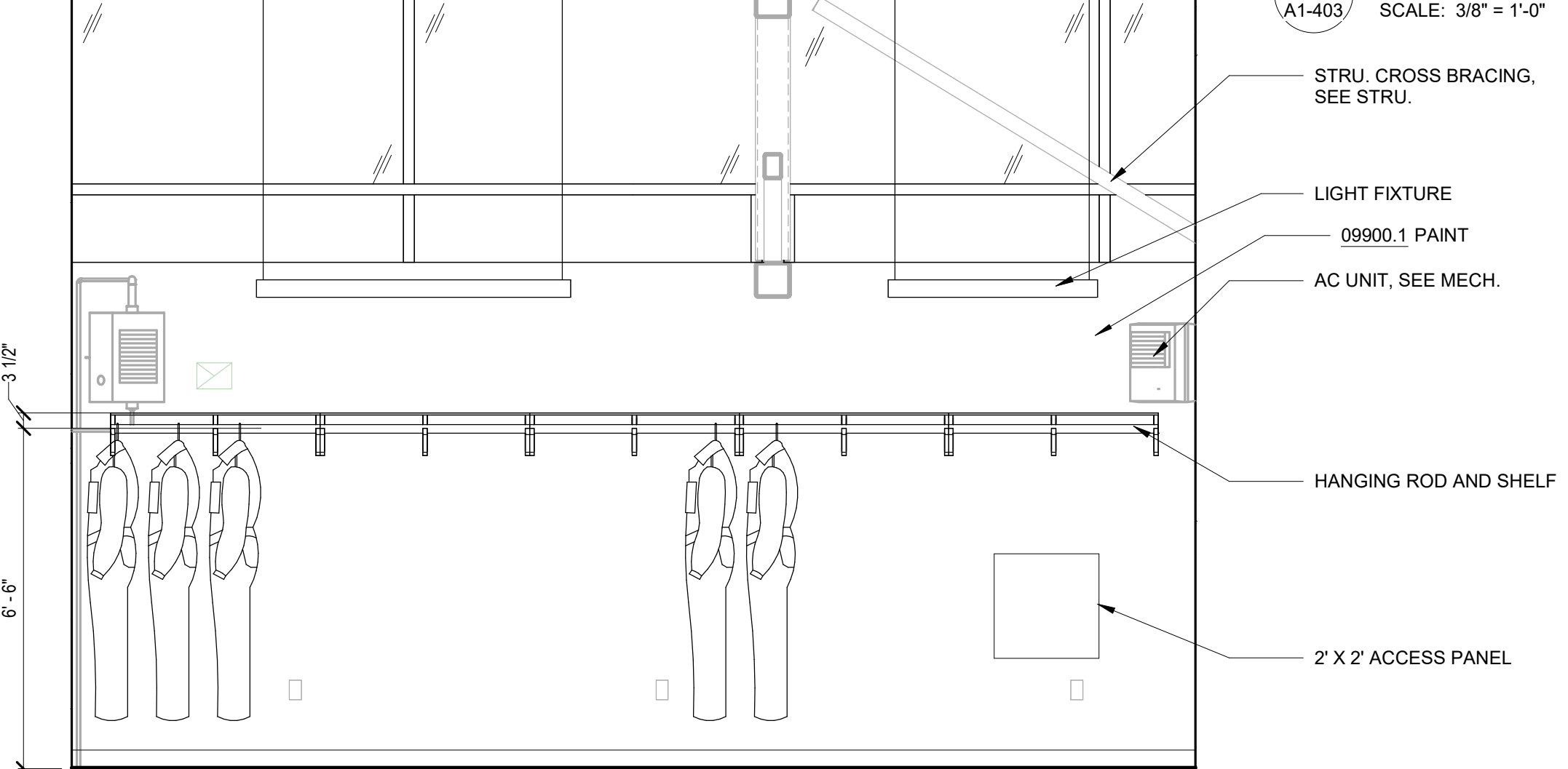
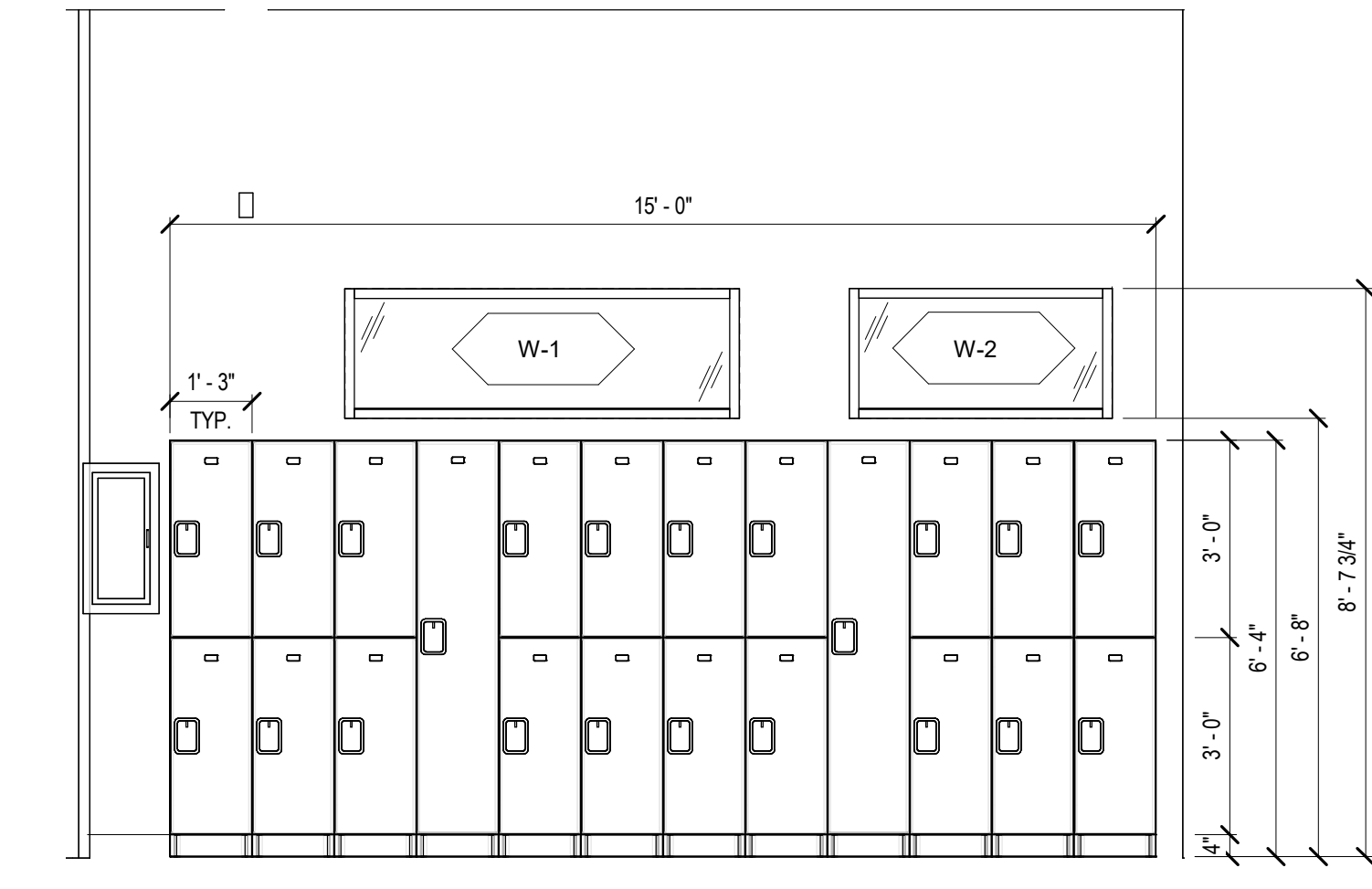
- NOTES - MUD ROOM**
- DIVISION 9
09900.1 PAINT
COLOR TO MATCH ARCHITECT'S SAMPLE
 - DIVISION 10
10521.1 FIRE EXTINGUISHER
10 LB DRY CHEMICAL FIRE EXTINGUISHER IN RECESSED CABINET
 - DIVISION 12
12305.1 SHELVING
POWDER COATED STEEL SHELVING, SIZE AS SHOWN



3 LAUNDRY ROOM - WEST ELEVATION
A1-403 SCALE: 3/8" = 1'-0"

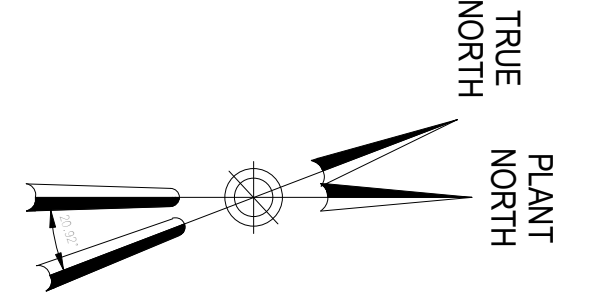
4 PPE ROOM - WEST ELEVATION
A1-403 SCALE: 3/8" = 1'-0"

5 LAUNDRY ROOM - EAST ELEVATION
A1-403 SCALE: 3/8" = 1'-0"



6 LOCKERS - ELEVATION
A1-403 SCALE: 3/8" = 1'-0"

7 PPE ROOM - EAST ELEVATION
A1-403 SCALE: 3/8" = 1'-0"



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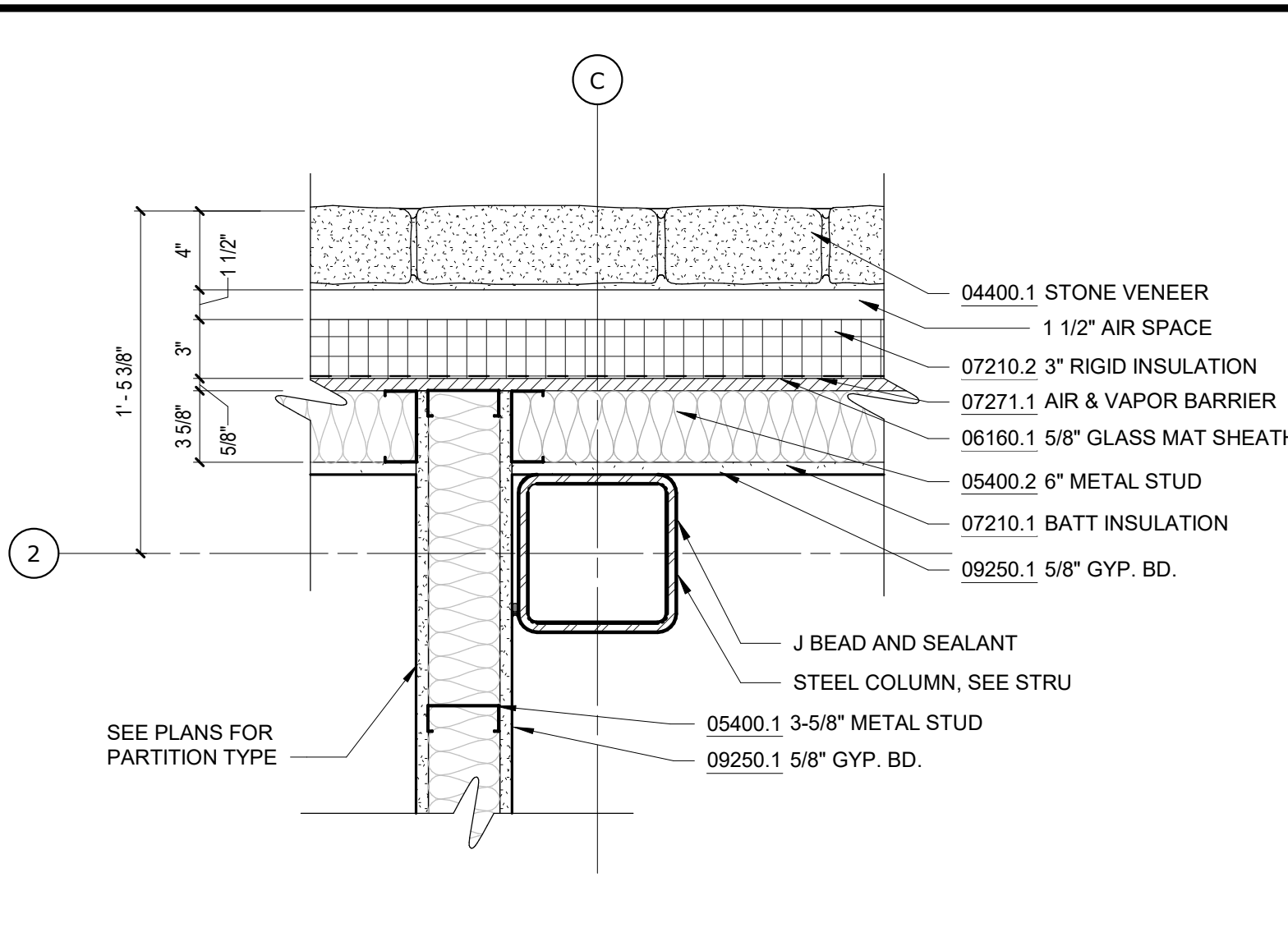
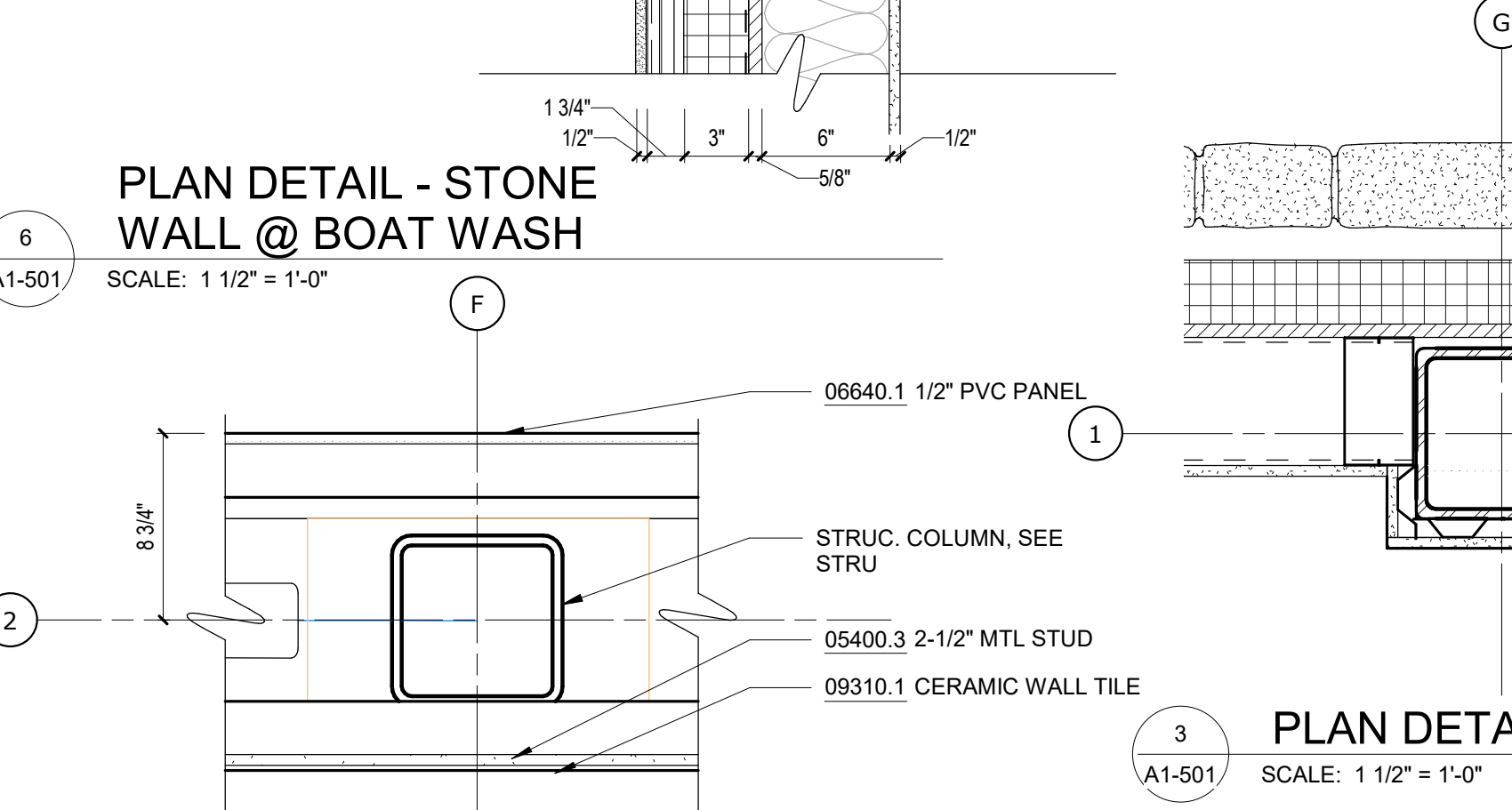
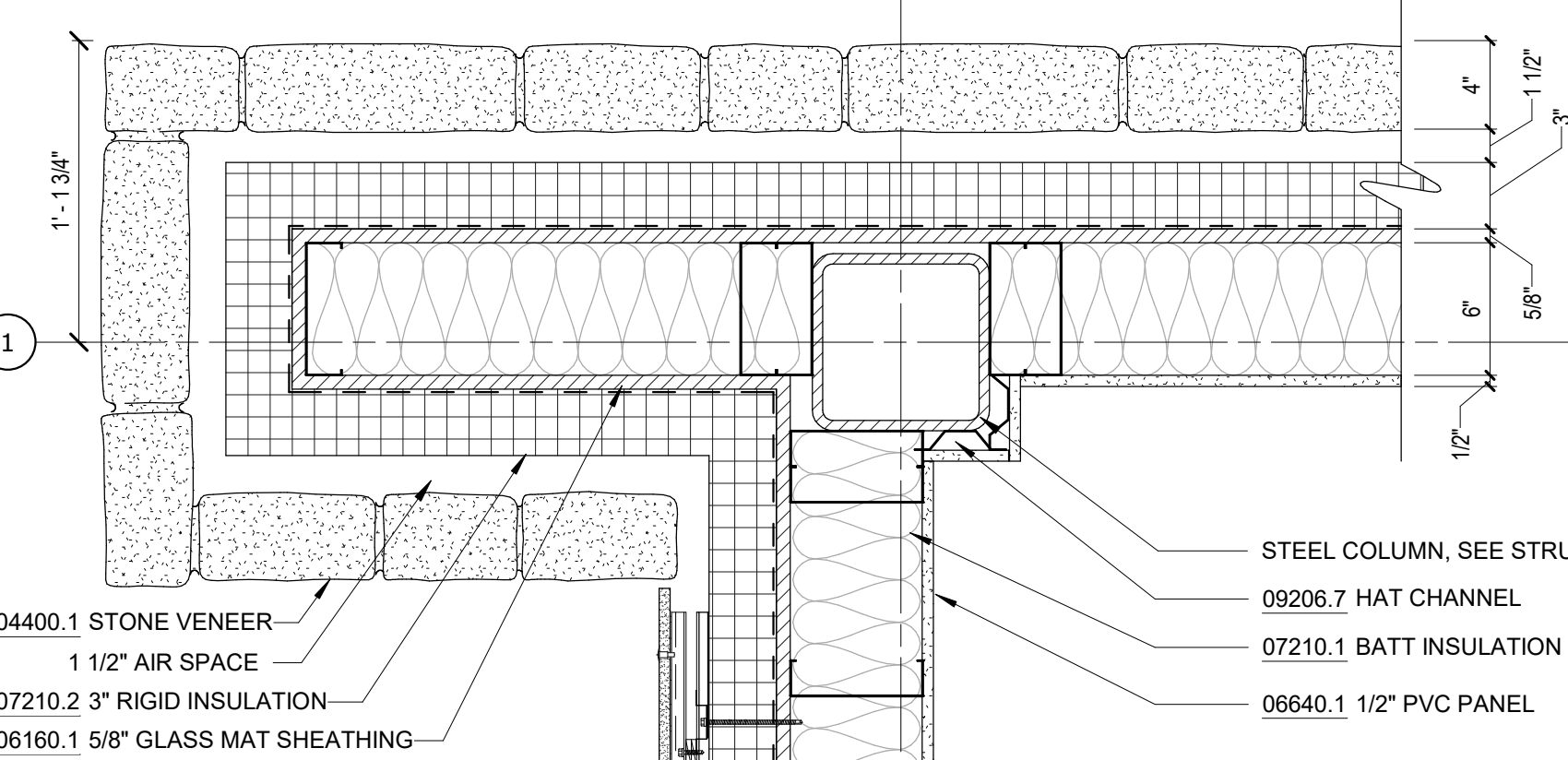
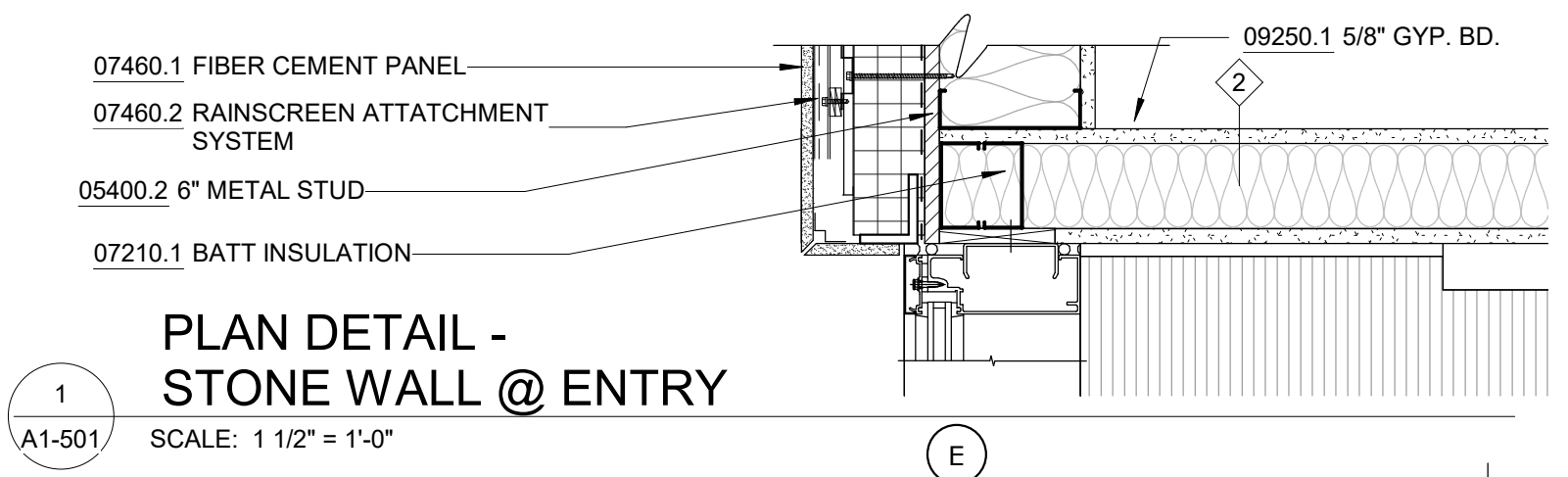
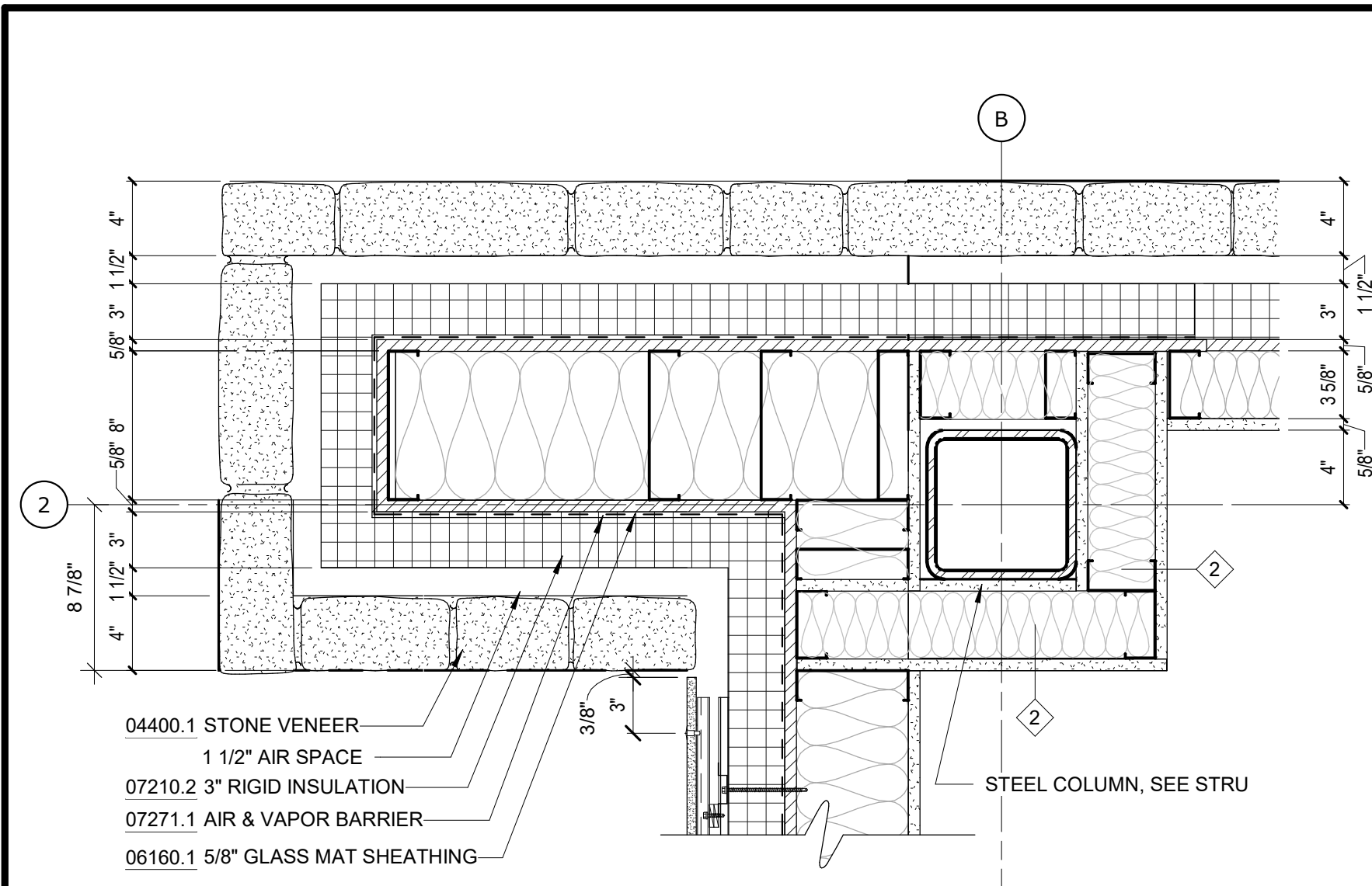
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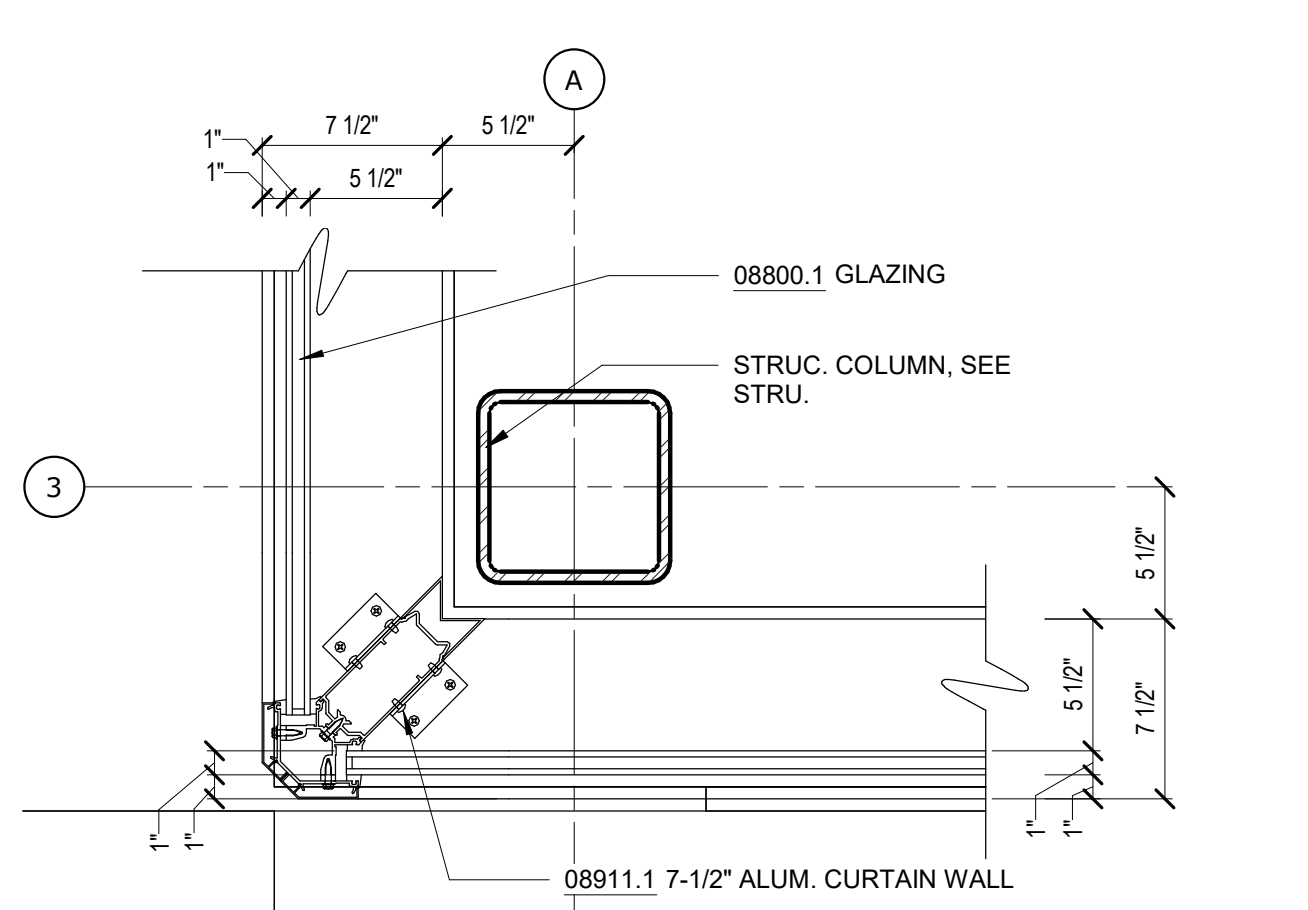
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	SCALE: SHEET NO: 60 OF No. 80
	DRAWING NO. A1-403

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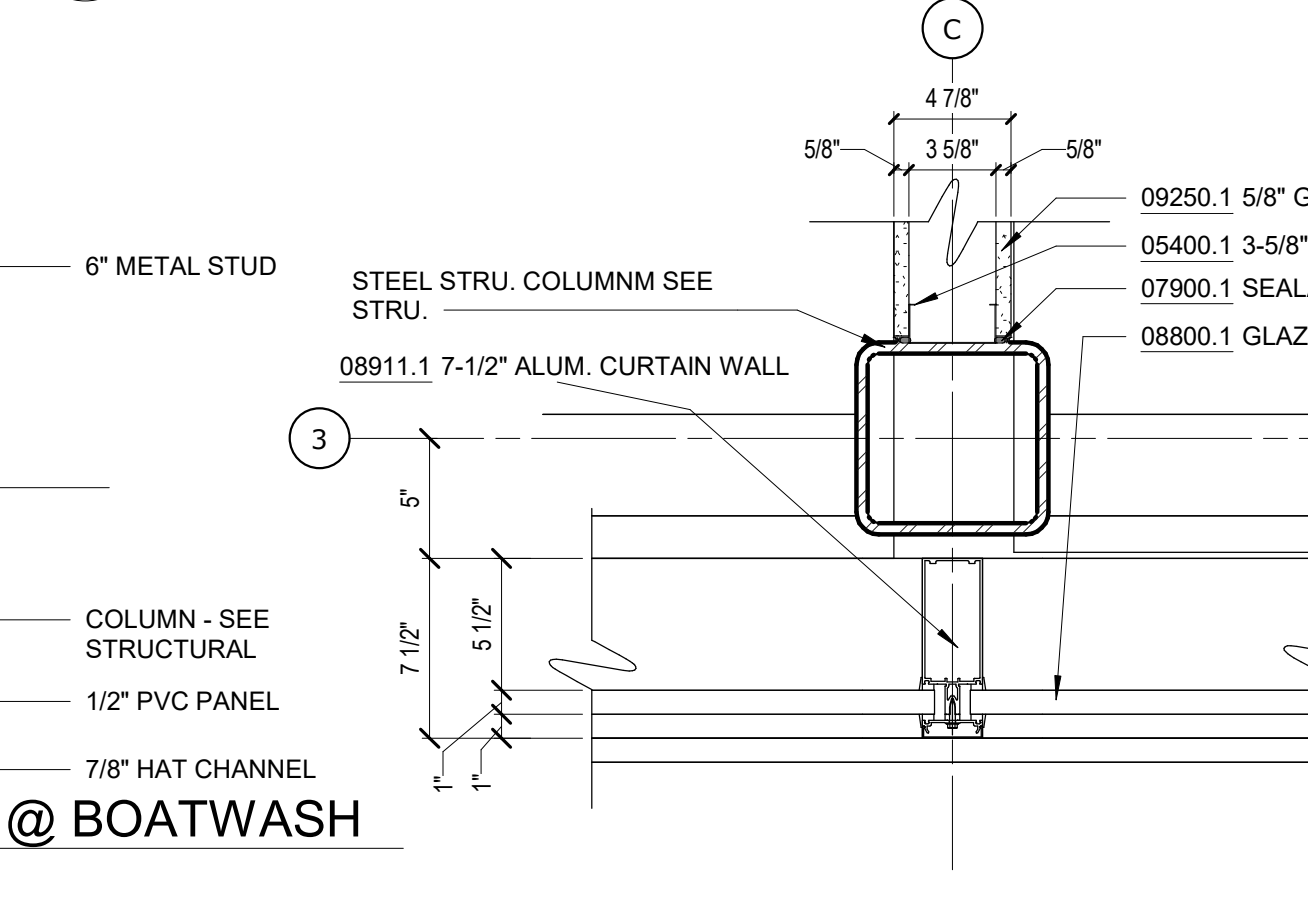
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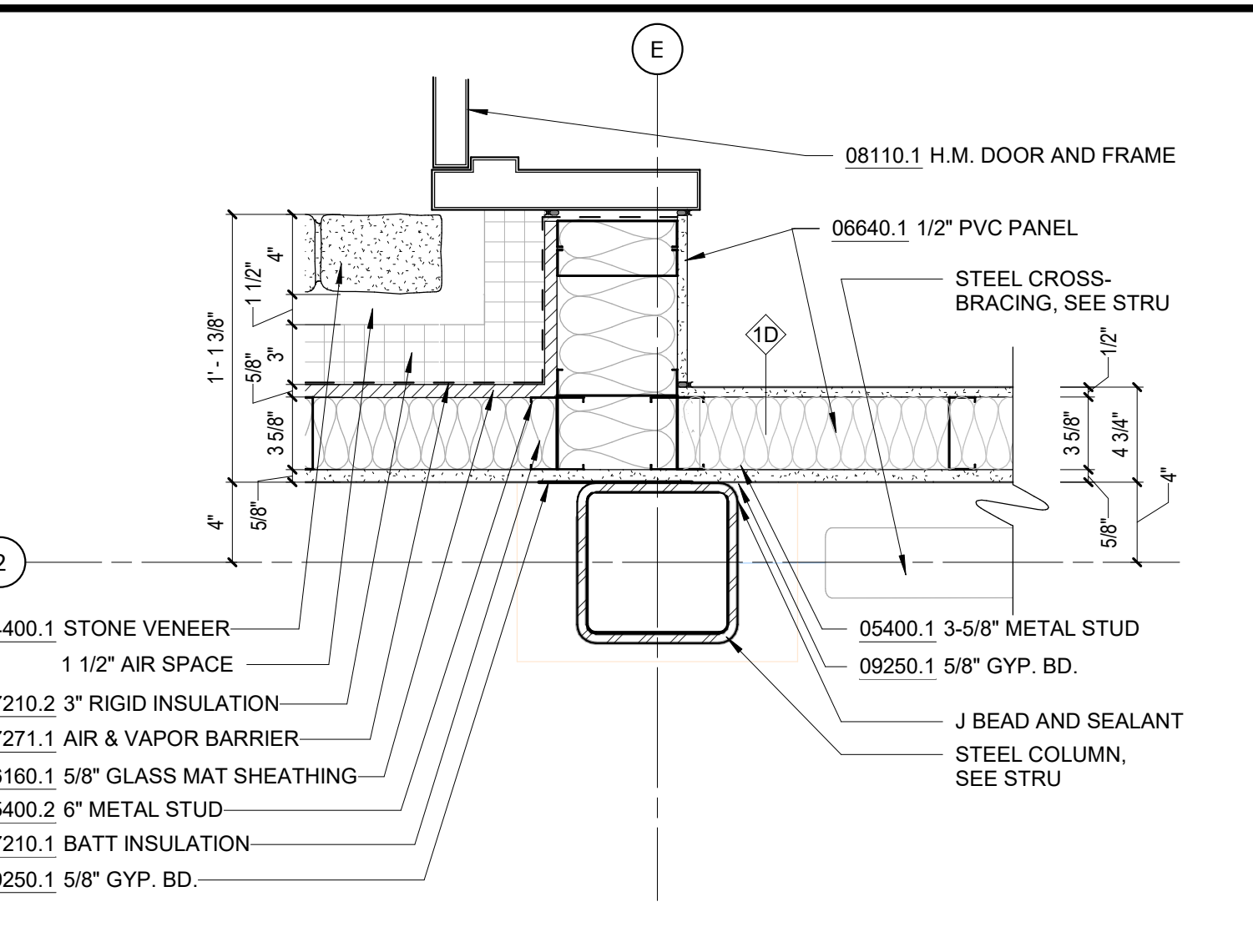
PLAN DETAIL - COLUMN @ KITCHENETTE
 SCALE: 1 1/2" = 1'-0"



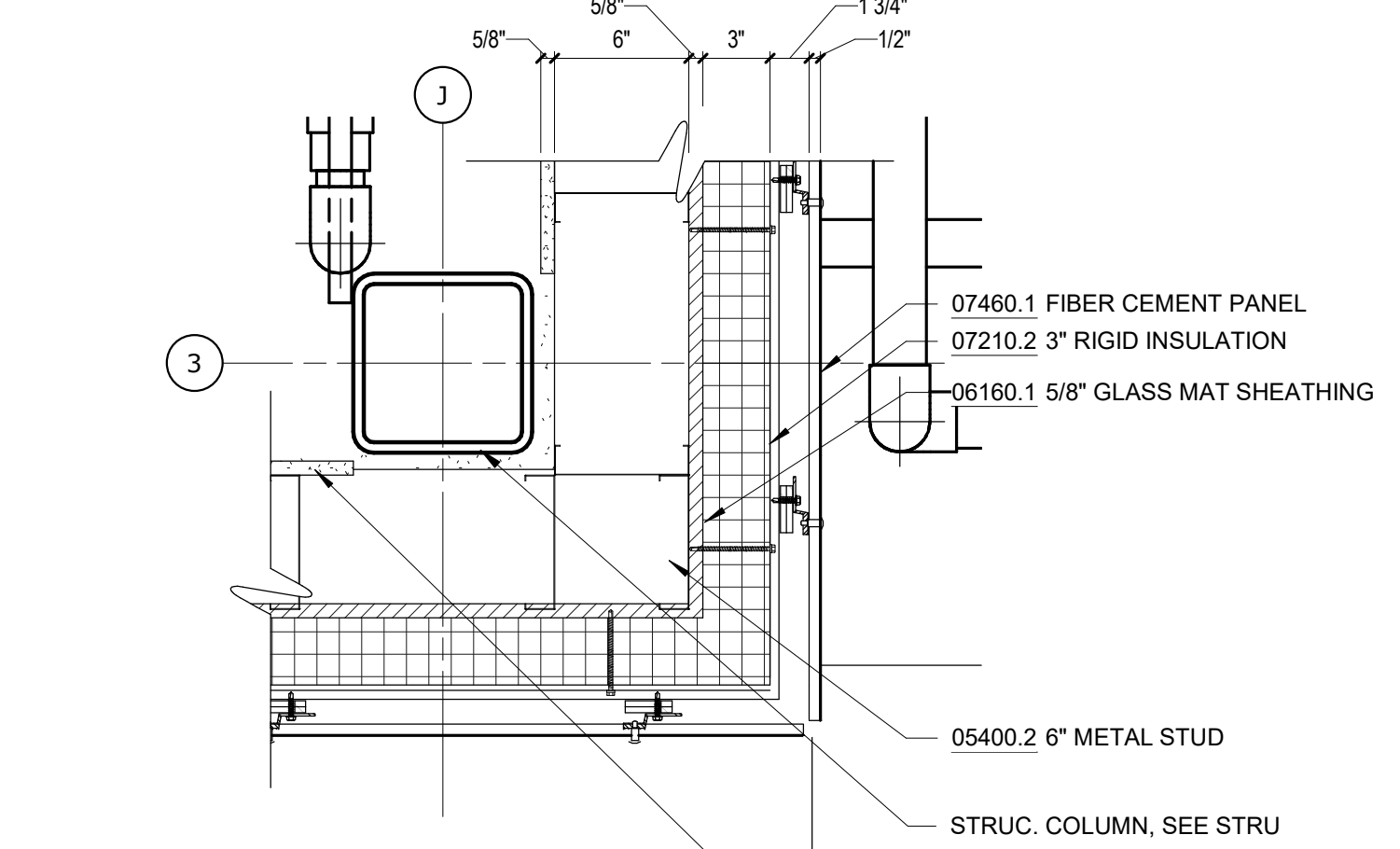
PLAN DETAIL - CURTAIN WALL CORNER @ COLUMN, TYP.
 SCALE: 1 1/2" = 1'-0"



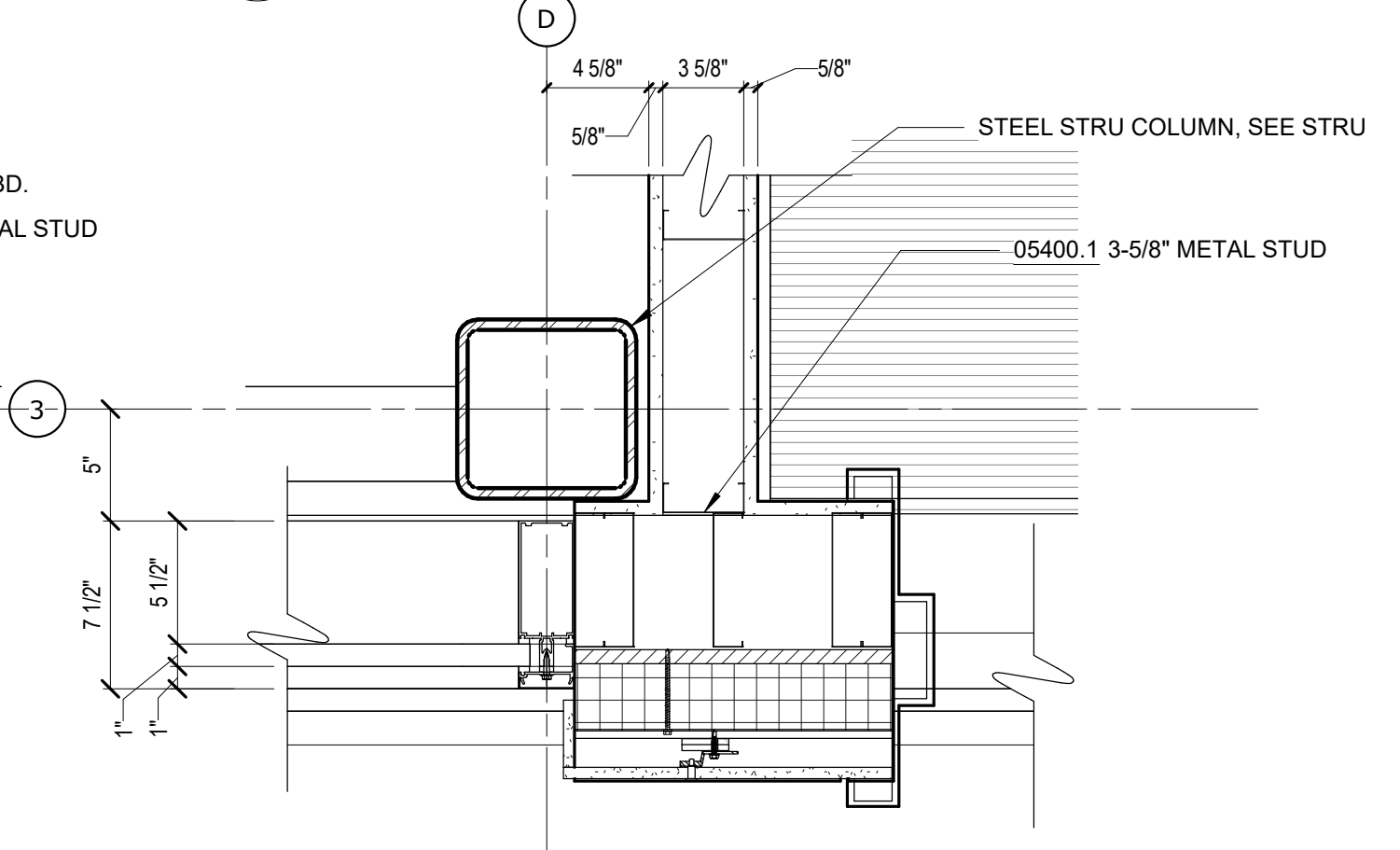
PLAN DETAIL - CURTAIN WALL MULLION @ COLUMN, TYP.
 SCALE: 1 1/2" = 1'-0"



PLAN DETAIL - COLUMN @ CROSS BRACING
 SCALE: 1 1/2" = 1'-0"



PLAN DETAIL - FIBER CEMENT PANEL EXT. CORNER
 SCALE: 1 1/2" = 1'-0"



PLAN DETAIL - CURTAIN WALL @ FIBER CEMENT
 SCALE: 1 1/2" = 1'-0"

NOTES - DETAILS		
DIVISION 4	04051.1 GROUT SOLID	
	04400.1 STONE VENEER	4" FULL VENEER LIMESTONE
	04400.2 WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
	04400.3 MORTAR NET	
DIVISION 5	05400.1 3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
	05400.2 6" METAL STUD	6" METAL STUD, 16" O.C.
	05400.3 2-1/2" MTL STUD	2-1/2" MTL STUD, 16" O.C.
	05400.4 8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6	06160.1 <varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
	06640.1 1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
	06640.2 PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7	07111.1 DAMPPROOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
	07210.1 BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
	07210.2 3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
	07221.1 6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
	07271.1 AIR & VAPOR BARRIER	ADHERED TO GLASS MAT SHEATHING
	07460.1 FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
	07460.2 RAINSCREEN ATTACHMENT SYSTEM	THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM
	07460.3 VERTICAL CHANNEL	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
	07611.1 STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEALED DOUBLE LOCK ROOF
	07611.2 SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
	07620.1 FLASHING	COPPER THRU-WALL FLASHING
	07620.2 FLASHING	
	07620.3 FLASHING	
	07900.1 SEALANT	
	07900.2 CAULK	
	07900.3 BACKER ROD	
DIVISION 8	08110.1 H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
	08800.1 GLAZING	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
	08911.1 7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
	08911.2 6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
	08911.3 BRAKE METAL	FINISH TO MATCH CURTAIN WALL
DIVISION 9	09206.1 METAL FURRING	
	09206.2 METAL FURRING CHANNEL CLIP	
	09206.3 1 1/2" STEEL RUNNING CHANNEL	
	09206.4 GAT CLIP	4B1.5L CAT. #16.59.SM (OR OTHER APPROVED MEANS)
	09206.5 MAIN TEE	24" OC MAX. SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
	09206.6 DIRECT HANG CLIP	
	09206.7 HAT CHANNEL	7/8" METAL HAT CHANNEL
	09250.1 5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
	09250.2 TRIM	J TRIM WITH SEALANT BEAD
	09250.5 STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
	09511.1 LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
	09511.2 LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
	09511.3 CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
	09511.4 HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
	09511.5 CROSS TEE	1 1/2" HIGH, 2'-0" OC
	09511.6 CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL

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 DRAWN BY: S. KINARD
 CHECKED BY: E. CLAASSEN
 DESIGN LEAD: EDWARD BARBOE, P.E.

NYC Environmental Protection

ACCOUNTABLE MANAGER: JOSE NIEVES
 PORTFOLIO MANAGER: MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING, NEW YORK ARCHITECTURAL PLAN DETAILS

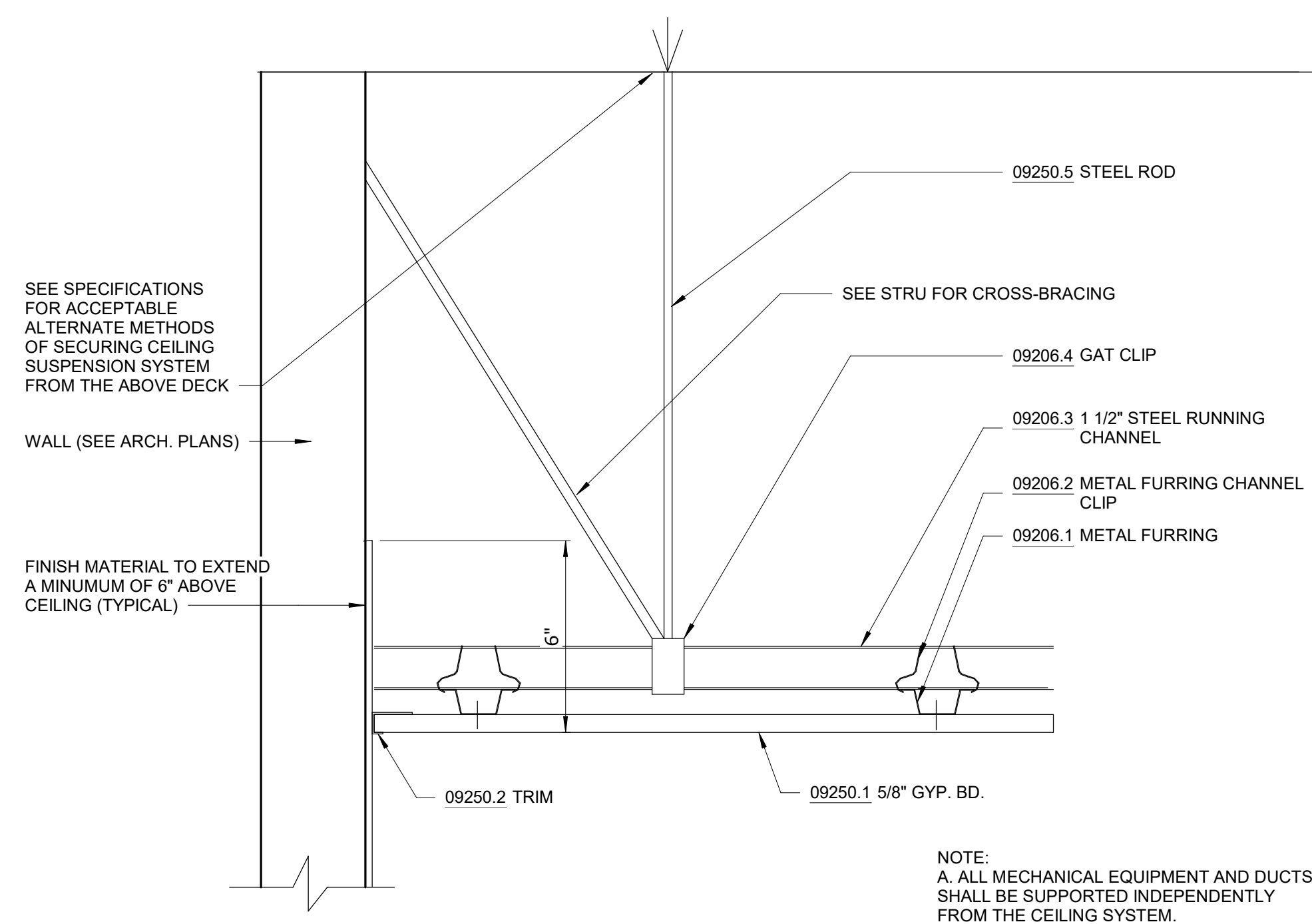
DATE: JANUARY 2021
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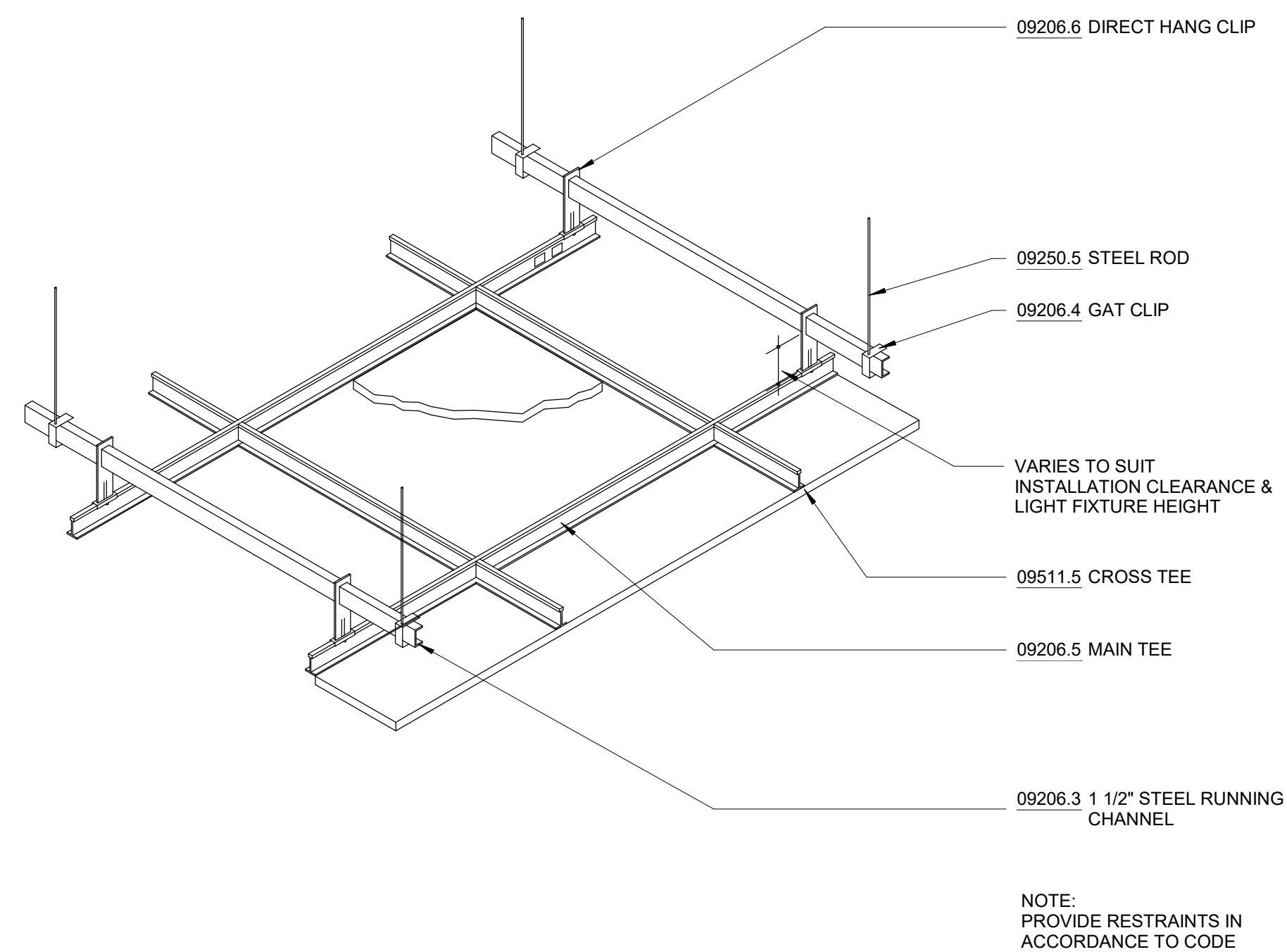
NOTES - DETAILS

DIVISION 4		
0405.1	GROUT SOLID	
04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
04400.2	WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
04400.3	MORTAR NET	
DIVISION 5		
05400.1	3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
05400.2	6" METAL STUD	6" METAL STUD, 16" O.C.
05400.3	2-1/2" MTL STUD	2-1/2" METAL STUD, 16" O.C.
05400.4	8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6		
06160.1	<varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
06640.1	1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
06640.2	PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7		
07111.1	DAMPPOOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
07210.1	BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
07210.2	3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
07221.1	6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
07271.1	AIR & VAPOR BARRIER	ADHERED TO GLASS MAT SHEATHING
07460.1	FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07460.2	RAINSCREEN ATTACHMENT SYSTEM	THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM
07460.3	VERTICAL CHANNEL	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
07611.1	STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEALED DOUBLE LOCK ROOF
07611.2	SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
07620.1	FLASHING	COPPER THRU-WALL FLASHING
07620.2	FLASHING	
07620.3	FLASHING	
07900.1	SEALANT	
07900.2	CAULK	
07900.3	BACKER ROD	
DIVISION 8		
08110.1	H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
08800.1	GLAZING	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
08911.1	7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.2	6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH TO MATCH CURTAIN WALL
08911.3	BRAKE METAL	
DIVISION 9		
09206.1	METAL FURRING	
09206.2	METAL FURRING CHANNEL CLIP	
09206.3	1 1/2" STEEL RUNNING CHANNEL	
09206.4	GAT CLIP	481.5L CAT. #16.59 SM (OR OTHER APPROVED MEANS)
09206.5	MAIN TEE	24" OC MAX., SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
09206.6	DIRECT HANG CLIP	
09206.7	HAT CHANNEL	7/8" METAL HAT CHANNEL
09250.1	5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
09250.2	TRIM	J TRIM WITH SEALANT BEAD
09250.5	STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.2	LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.3	CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
09511.4	HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
09511.5	CROSS TEE	1 1/2" HIGH, 2'-0" OC
09511.6	CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL



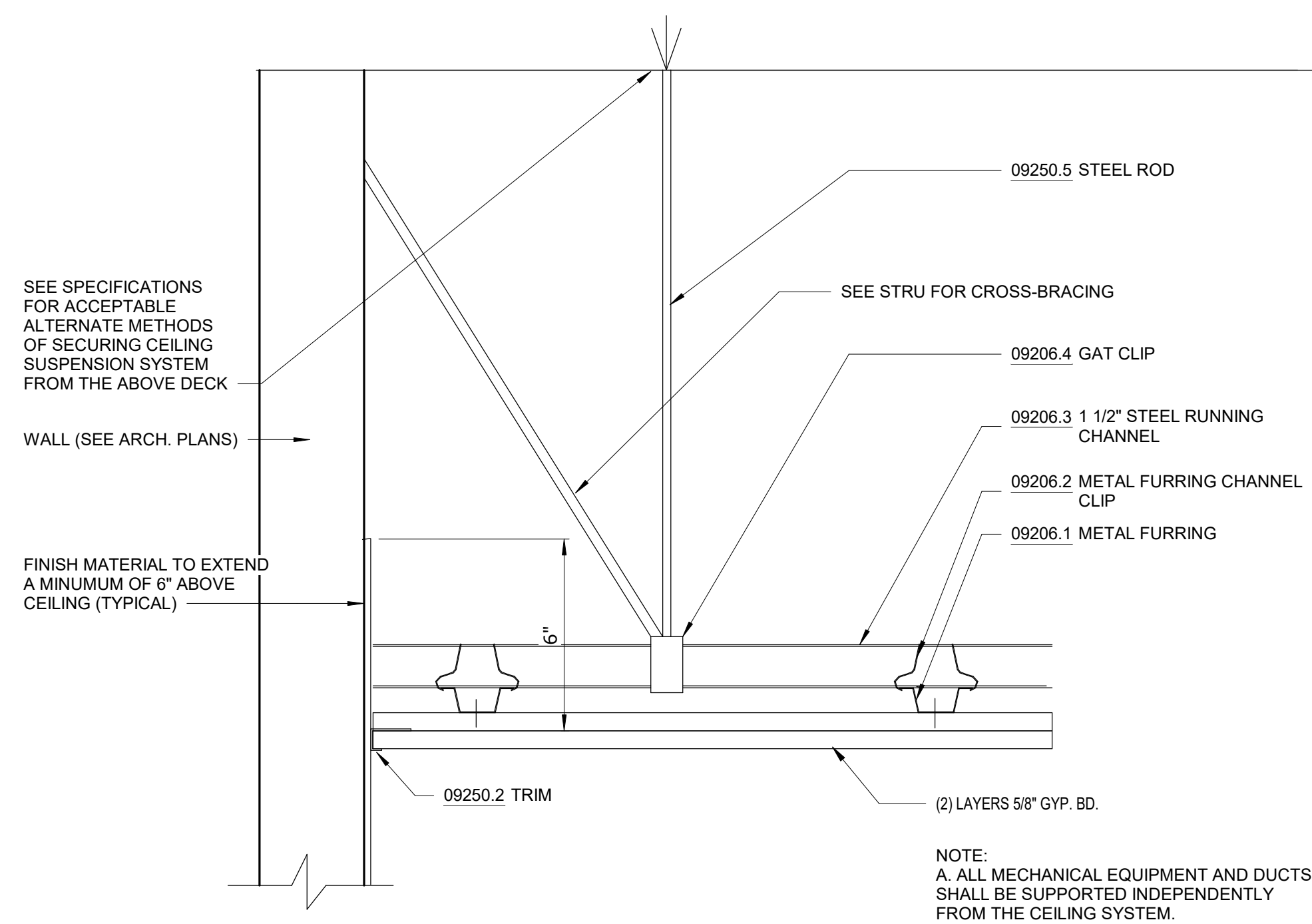
1 TYP. GYPSUM CEILING DETAIL

A1-502 SCALE: 3" = 1'-0"



2 GYPSUM CEILING DETAIL

A1-502 SCALE: 1" = 1'-0"



3 GYPSUM CEILING DETAIL - 1 HOUR RATED

(BASED ON GA FILE NOS. FC 5406 AND RC 2601)

A1-502 SCALE: 3" = 1'-0"

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DESIGN LEAD:
EDWARD BARBOE, P.E.

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Protection

ACCOUNTABLE MANAGER
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MARK DELBALZO, P.E.

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AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
GYPSUM CEILING DETAILS

DATE: JANUARY 2021

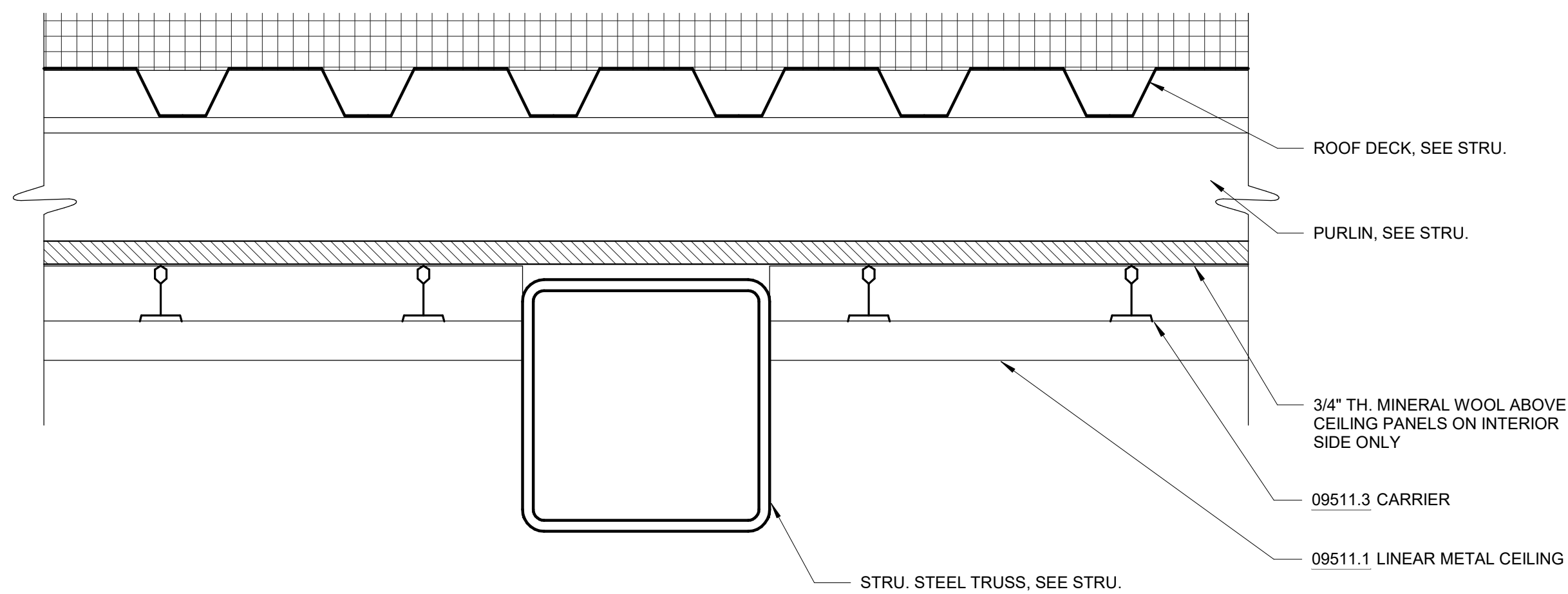
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SHEET NO:

62 OF No. 80

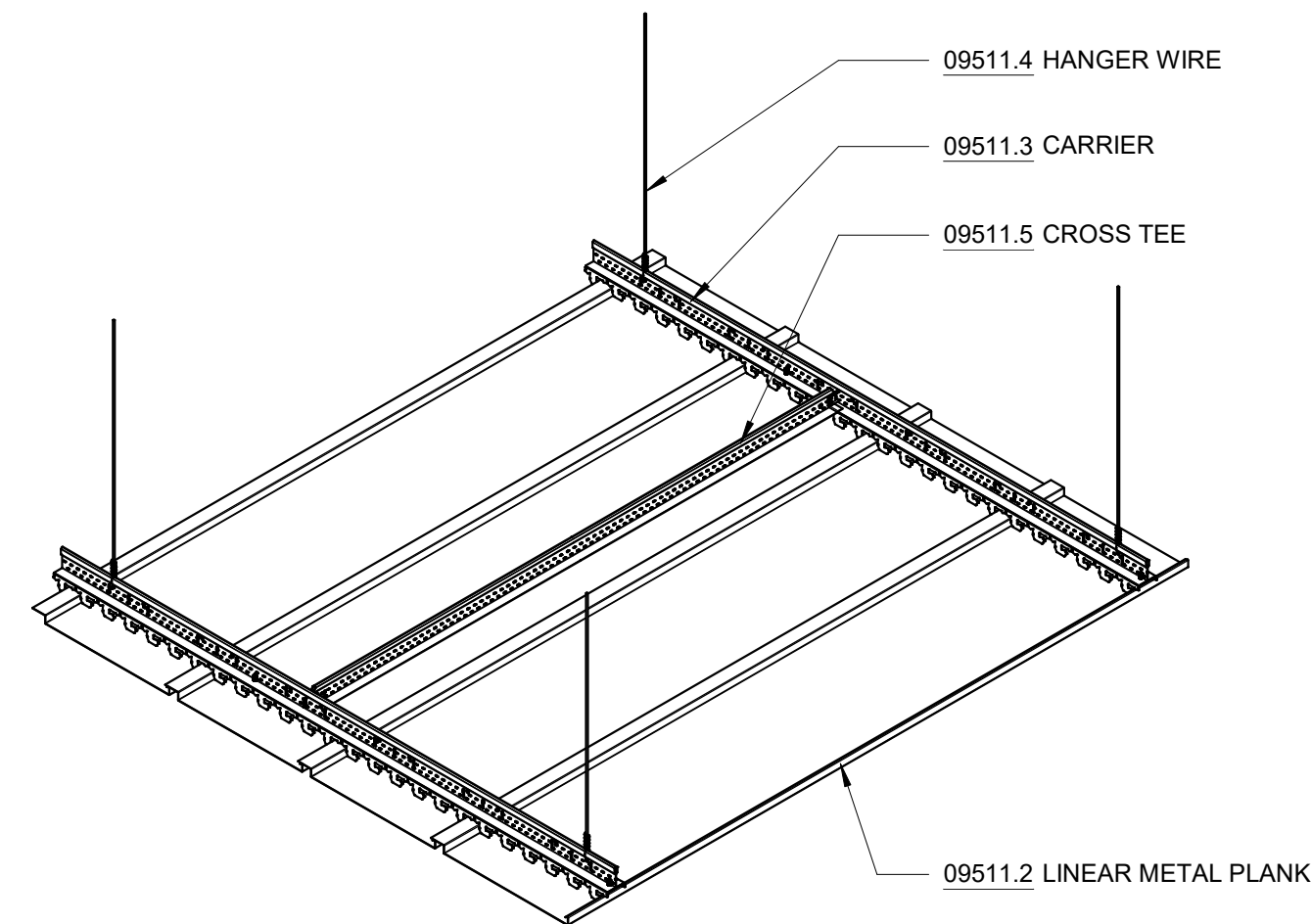
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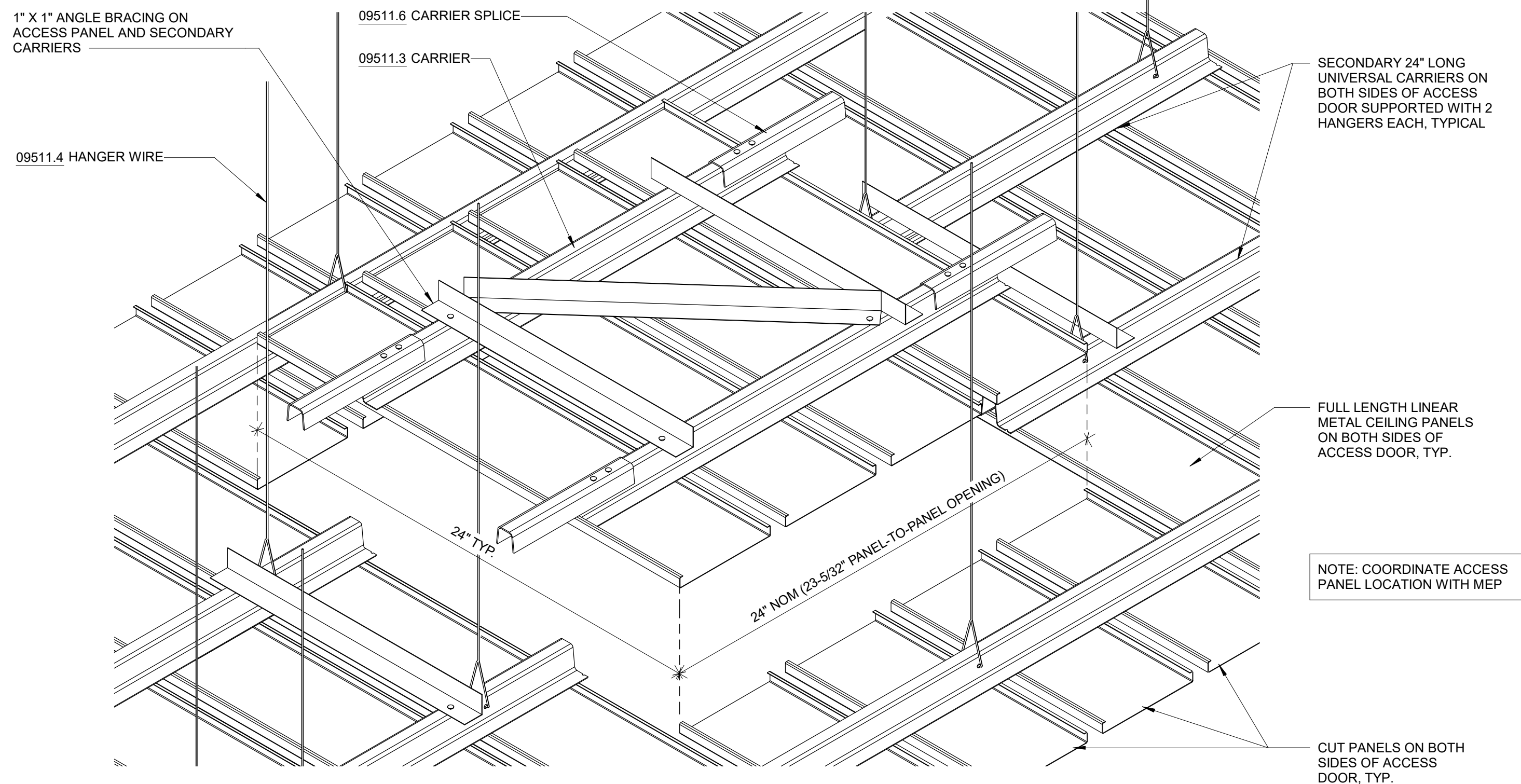
1 LINEAR METAL CEILING DETAIL AT TRUSS, TYP.

A1-503 SCALE: 3" = 1'-0"



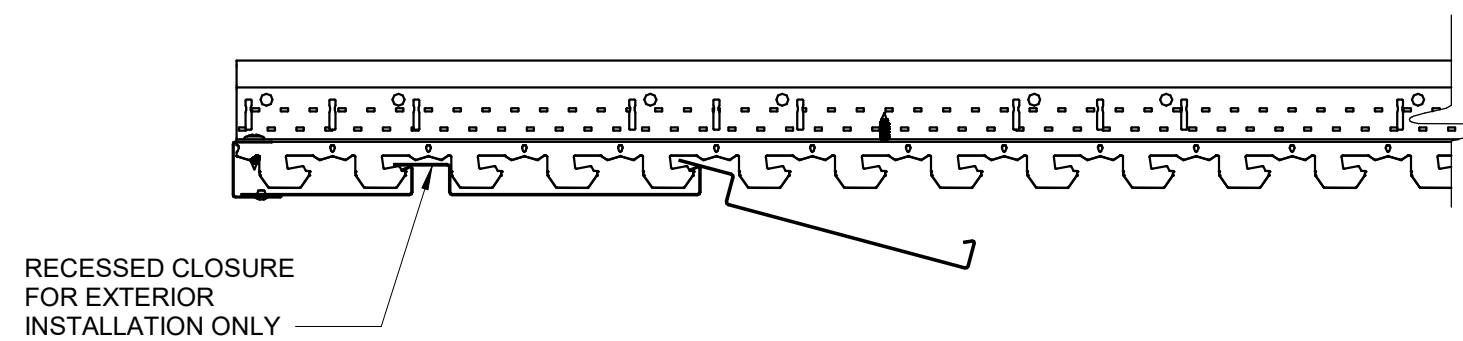
2 TYPICAL DETAIL - LINEAR METAL CEILING

A1-503 SCALE: 1" = 1'-0"



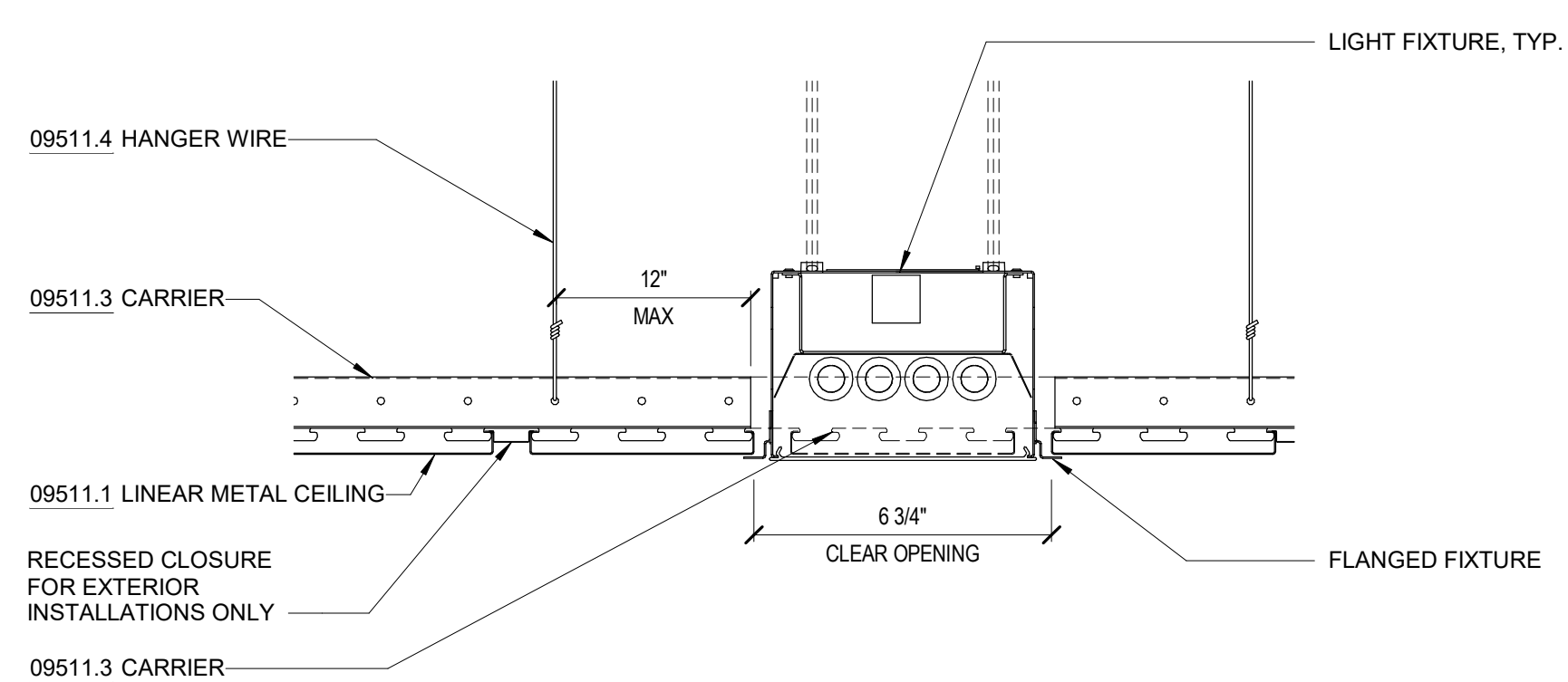
3 TYPICAL DETAIL - LINEAR METAL CEILING ACCESS PANEL

A1-503 SCALE: 3" = 1'-0"



4 LINEAR METAL CEILING SECTION

A1-503 SCALE: 3" = 1'-0"



5 TYPICAL DETAIL - RECESSED LIGHT FIXTURE IN LINEAR METAL CEILING

A1-503 SCALE: 3" = 1'-0"

NOTES - DETAILS

DIVISION 4	04051.1 GROUT SOLID	
04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
04400.2	WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
04400.3	MORTAR NET	
DIVISION 5	05400.1 3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
05400.2	6" METAL STUD	6" METAL STUD, 16" O.C.
05400.3	2-1/2" MTL STUD	2-1/2" METAL STUD, 16" O.C.
05400.4	8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6	06160.1 <varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
06640.1	1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
06640.2	PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7	07111.1 DAMPPROOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
07210.1	BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
07210.2	3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
07221.1	6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
07271.1	AIR & VAPOR BARRIER	ADHERED TO GLASS MAT SHEATHING
07460.1	FIBER CEMENT PANEL	5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL
07460.2	RAINSCREEN ATTACHMENT SYSTEM	THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM
07460.3	VERTICAL CHANNEL	1/2" VERTICAL HAT CHANNEL @ 16" O.C.
07611.1	STANDING SEAM ROOF	22 GA. MIN. GALVALUME MECHANICALLY SEALED DOUBLE LOCK ROOF
07611.2	SNOW GUARD	MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING
07620.1	FLASHING	COPPER THRU-WALL FLASHING
07620.2	FLASHING	
07620.3	FLASHING	
07900.1	SEALANT	
07900.2	CAULK	
07900.3	BACKER ROD	
DIVISION 8	08110.1 H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
08800.1	GLAZING	1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING
08911.1	7-1/2" ALUM. CURTAIN WALL	7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.2	6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.3	BRAKE METAL	FINISH TO MATCH CURTAIN WALL
DIVISION 9	09206.1 METAL FURRING	
09206.2	METAL FURRING CHANNEL CLIP	
09206.3	1 1/2" STEEL RUNNING CHANNEL	
09206.4	GAT CLIP	4B1 5L CAT. #16.59 SM (OR OTHER APPROVED MEANS)
09206.5	MAIN TEE	24" OC MAX. SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC)
09206.6	DIRECT HANG CLIP	
09206.7	HAT CHANNEL	7/8" METAL HAT CHANNEL
09250.1	5/8" GYP. BD.	5/8" GYPSUM BOARD, ABUSE RESISTANT
09250.2	TRIM	J TRIM WITH SEALANT BEAD
09250.5	STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.2	LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.3	CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
09511.4	HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
09511.5	CROSS TEE	1 1/2" HIGH, 2'-0" OC
09511.6	CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL

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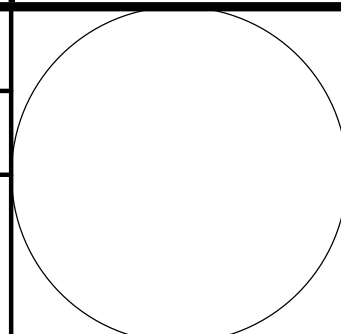
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NO.	DATE	REVISIONS/DESCRIPTION	APPRD

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DESIGNED BY: J. HYUN
 CHECKED BY: E. CLAASSEN

DRAWN BY: S. KINARD
 DESIGN LEAD: EDWARD BARBOE, P.E.

Hazen



NYC Environmental Protection

ACCOUNTABLE MANAGER
 JOSE NIEVES
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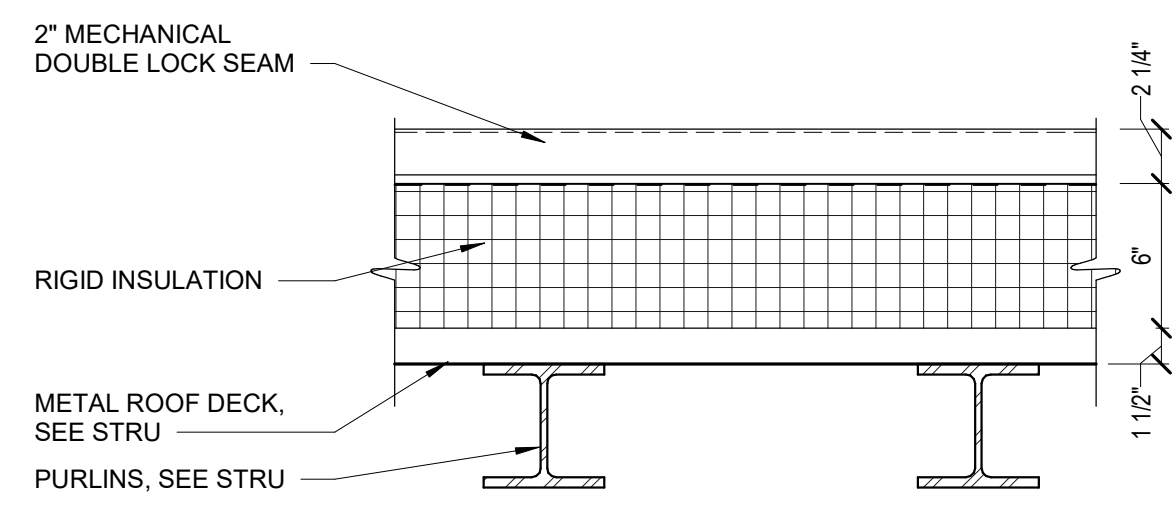
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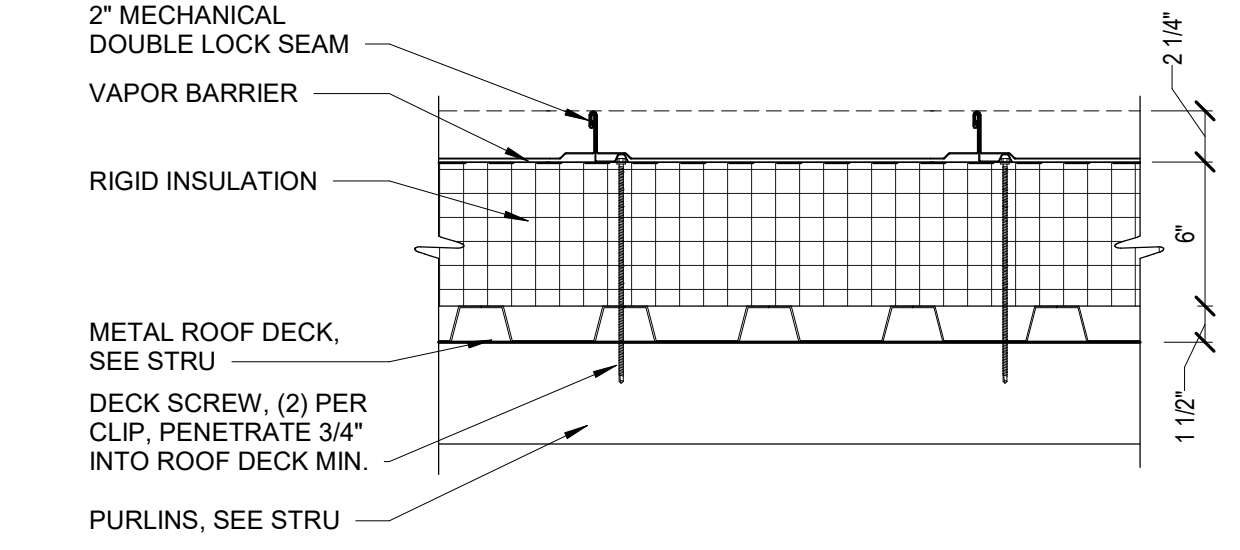
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL METAL CEILING DETAILS

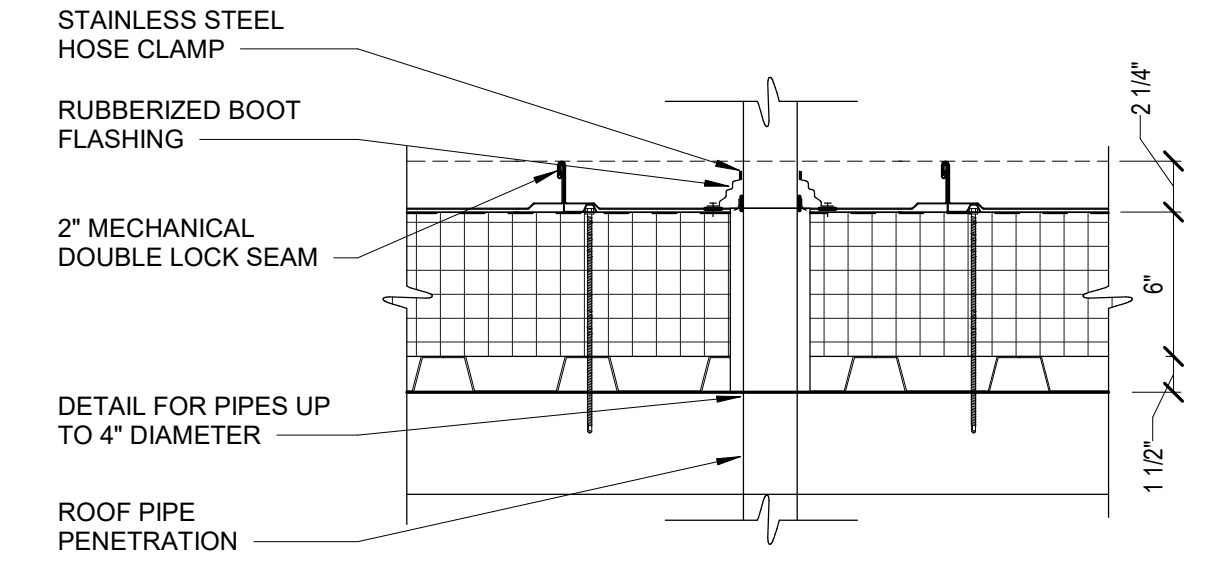
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 DRAWING NO. A1-503



1 STANDING SEAM METAL ROOF, TYP
A1-504 SCALE: 1 1/2" = 1'-0"

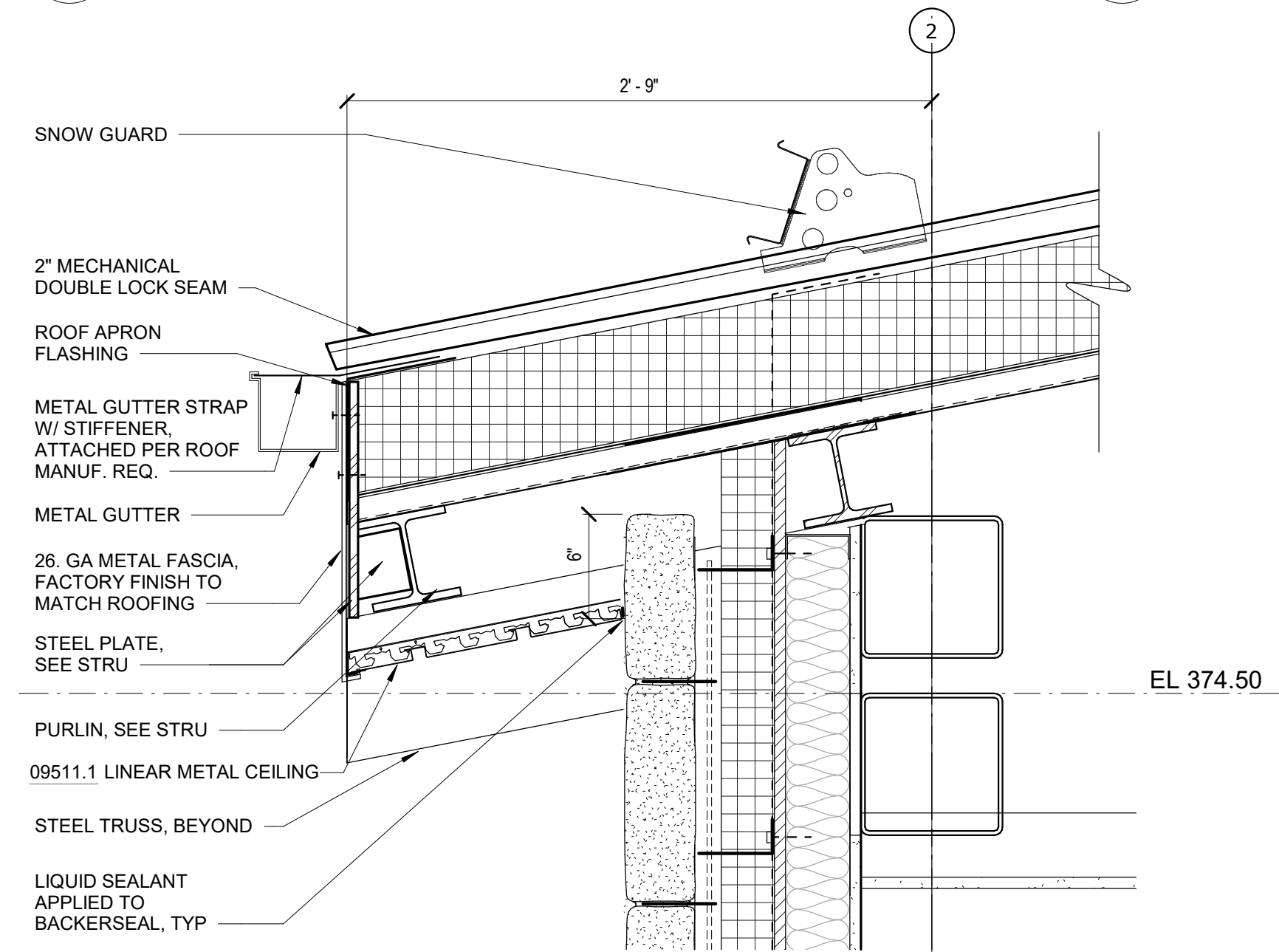


2 STANDING SEAM METAL ROOF, TYP
A1-504 SCALE: 1 1/2" = 1'-0"

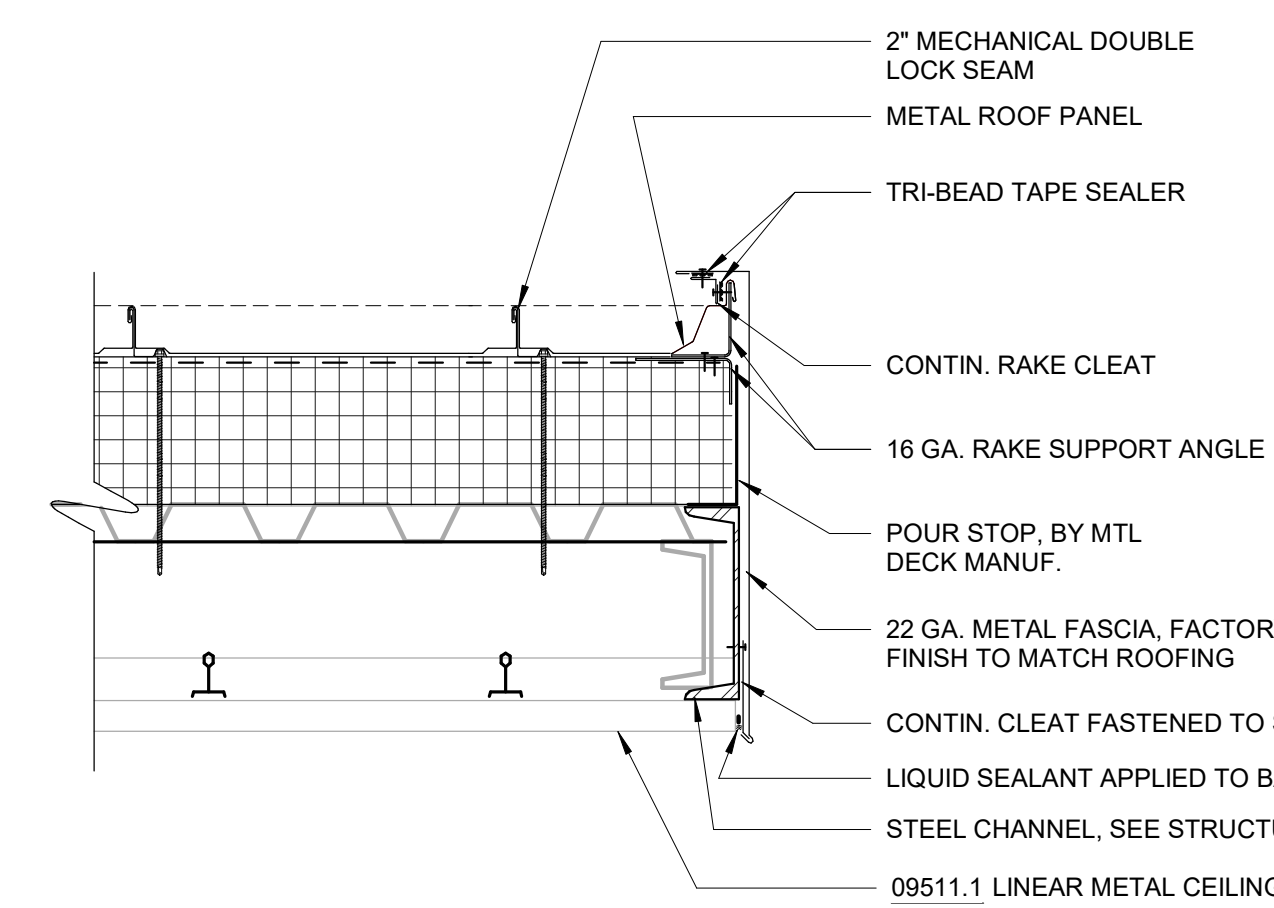


3 ROOF PENETRATION DETAIL
A1-504 SCALE: 1 1/2" = 1'-0"

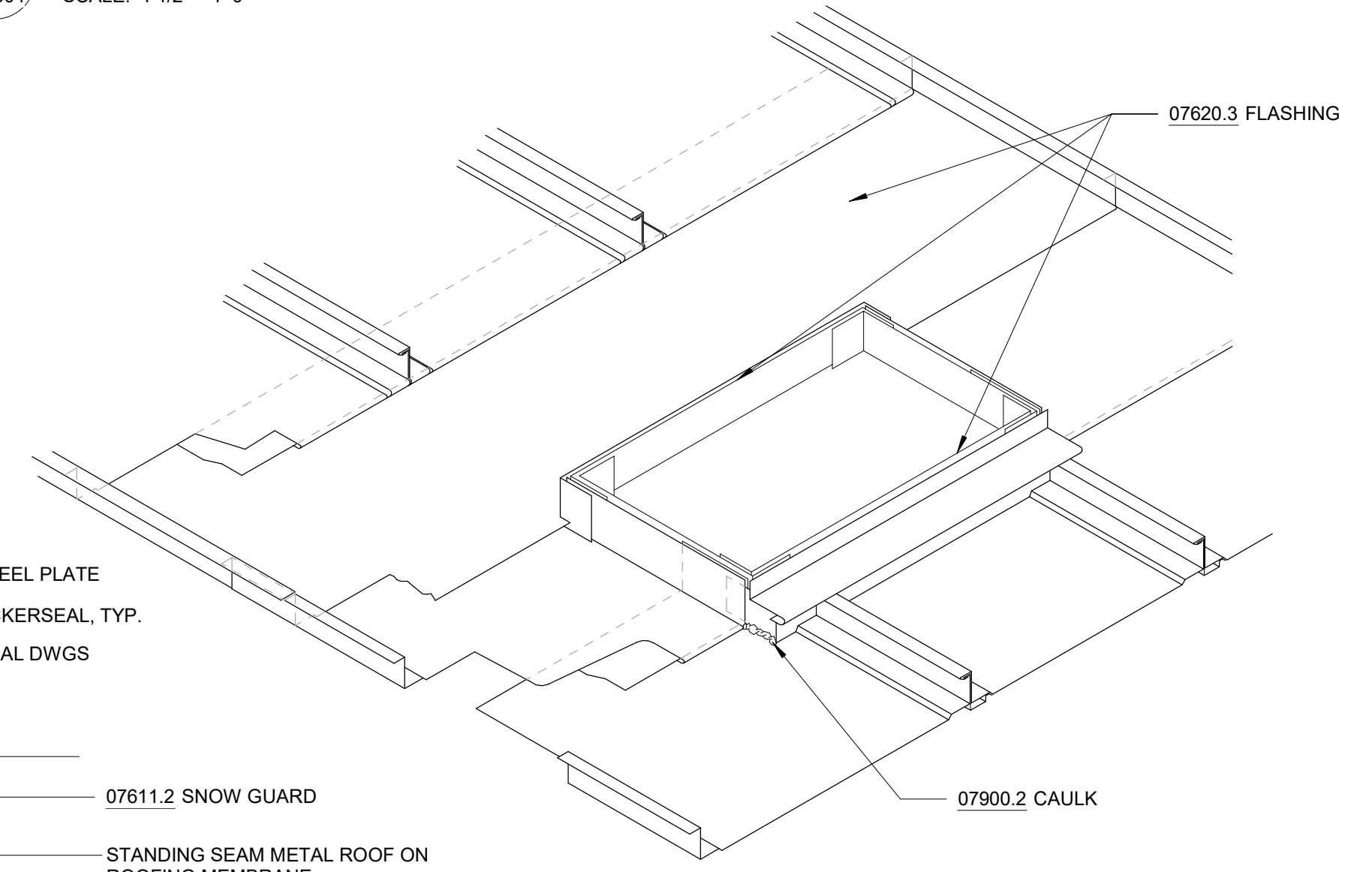
NOTES:
1. CUT PANEL 1" SMALLER THAN PENETRATION. BACK CUT TABS, FOLD TABS UP AROUND PENETRATION AND CAULK.
2. CUT HOLE TO ALLOW FOR THERMAL MOVEMENT IF PANEL IS 30" - 0" OR LONGER
3. IF PIPE IS METAL, MUST BE PAINTED TO AVOID RUST RUNOFF ON PANEL



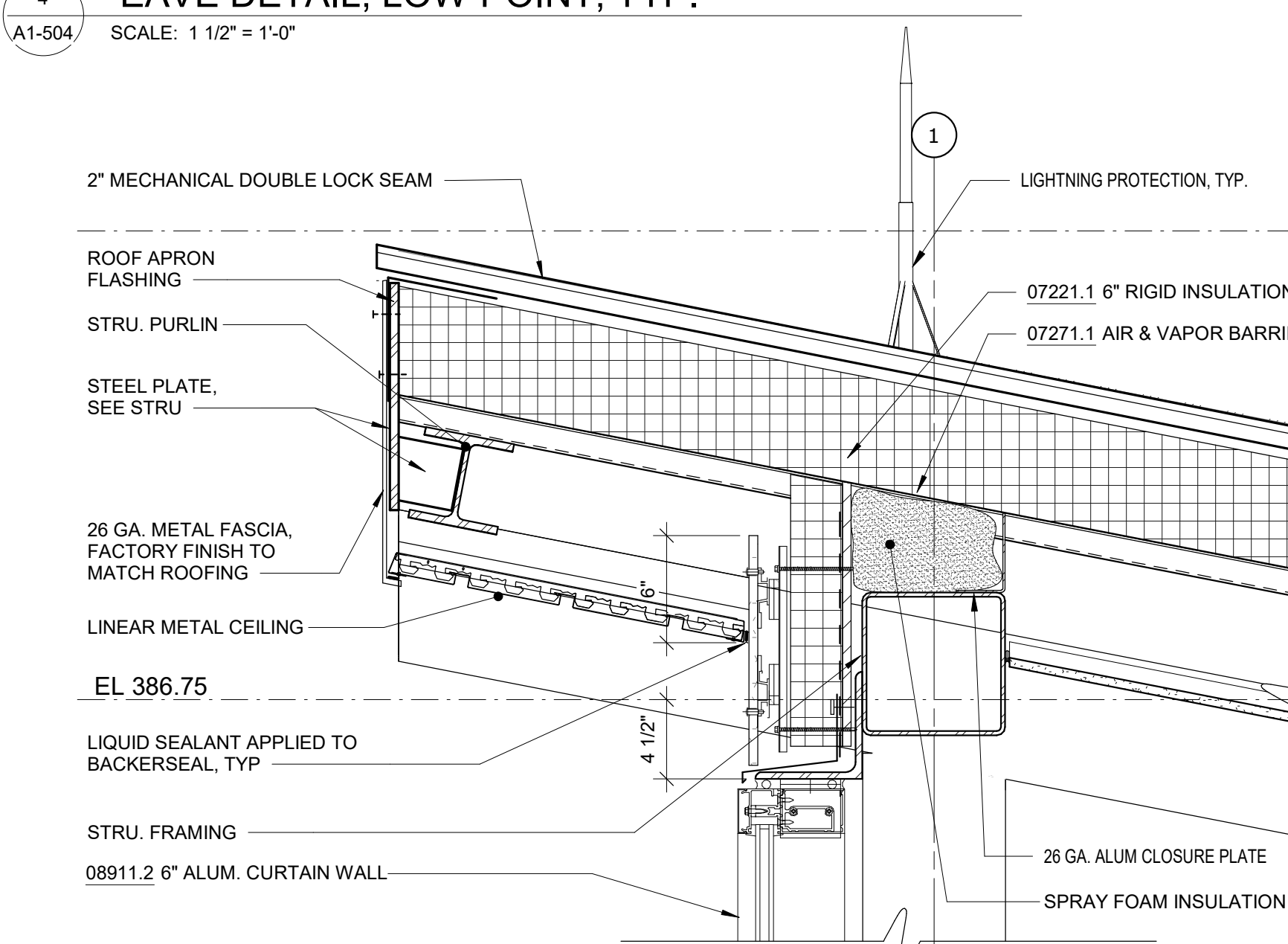
4 EAVE DETAIL, LOW POINT, TYP.
A1-504 SCALE: 1 1/2" = 1'-0"



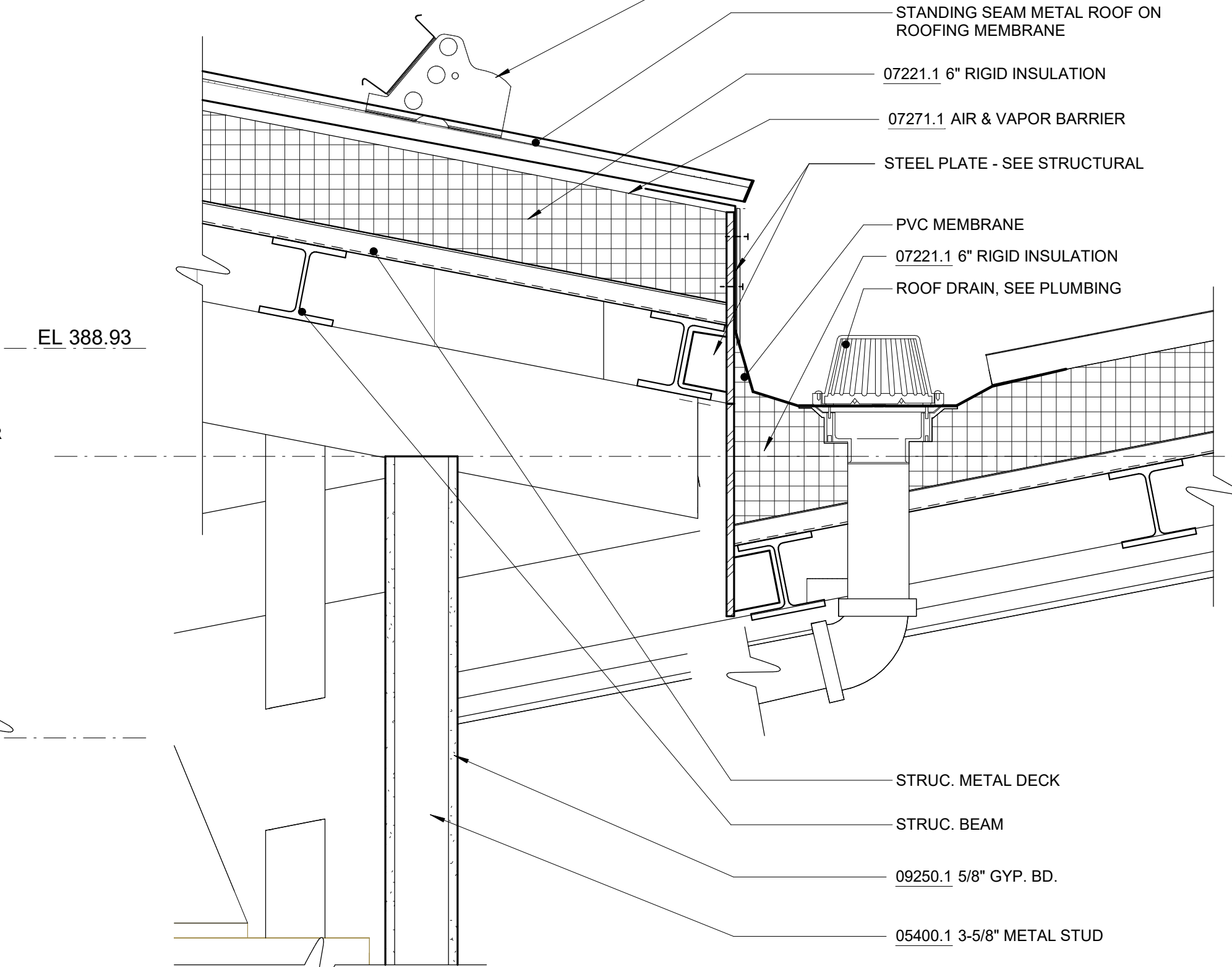
5 RAKE DETAIL, TYP.
A1-504 SCALE: 1 1/2" = 1'-0"



8 ROOF PENETRATION, SQUARE
A1-504 SCALE: 1 1/2" = 1'-0"



6 EAVE DETAIL, HIGH POINT, TYP.
A1-504 SCALE: 1 1/2" = 1'-0"



7 SECT DETAIL - LOW ROOF TO HIGH ROOF
A1-504 SCALE: 1 1/2" = 1'-0"

NOTES - DETAILS

DIVISION 4		
04051.1	GROUT SOLID	
04400.1	STONE VENEER	4" FULL VENEER LIMESTONE
04400.2	WEEP HOLE	PLASTIC RECTANGULAR WEEP HOLES
04400.3	MORTAR NET	
DIVISION 5		
05400.1	3-5/8" METAL STUD	3-5/8" METAL STUD, 16" O.C.
05400.2	6" METAL STUD	6" METAL STUD, 16" O.C.
05400.3	2-1/2" MTL STUD	2-1/2" METAL STUD, 16" O.C.
05400.4	8" METAL STUD	8" METAL STUD, 16" O.C.
DIVISION 6		
06160.1	<varies>	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS
06640.1	1/2" PVC PANEL	TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL
06640.2	PVC BASE TRIM	PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7		
07111.1	DAMP PROOFING	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION
07210.1	BATT INSULATION	RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN.
07210.2	3" RIGID INSULATION	3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO GLASS MAT SHEATHING
07221.1	6" RIGID INSULATION	6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK
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07620.2	FLASHING	
07620.3	FLASHING	
07900.1	SEALANT	
07900.2	CAULK	
07900.3	BACKER ROD	
DIVISION 8		
08110.1	H.M. DOOR AND FRAME	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR
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08911.2	6" ALUM. CURTAIN WALL	6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH
08911.3	BRAKE METAL	FINISH TO MATCH CURTAIN WALL
DIVISION 9		
09206.1	METAL FURRING	
09206.2	METAL FURRING CHANNEL CLIP	
09206.3	1 1/2" STEEL RUNNING CHANNEL	
09206.4	GAT CLIP	4B1.5L CAT. #16.59 SM (OR OTHER APPROVED MEANS)
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09250.5	STEEL ROD	1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC
09511.1	LINEAR METAL CEILING	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.2	LINEAR METAL PLANK	LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS
09511.3	CARRIER	LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS
09511.4	HANGER WIRE	12 GA HANGER WIRE, 48" O.C. MAX
09511.5	CROSS TEE	1 1/2" HIGH, 2'-0" OC
09511.6	CARRIER SPLICE	CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL

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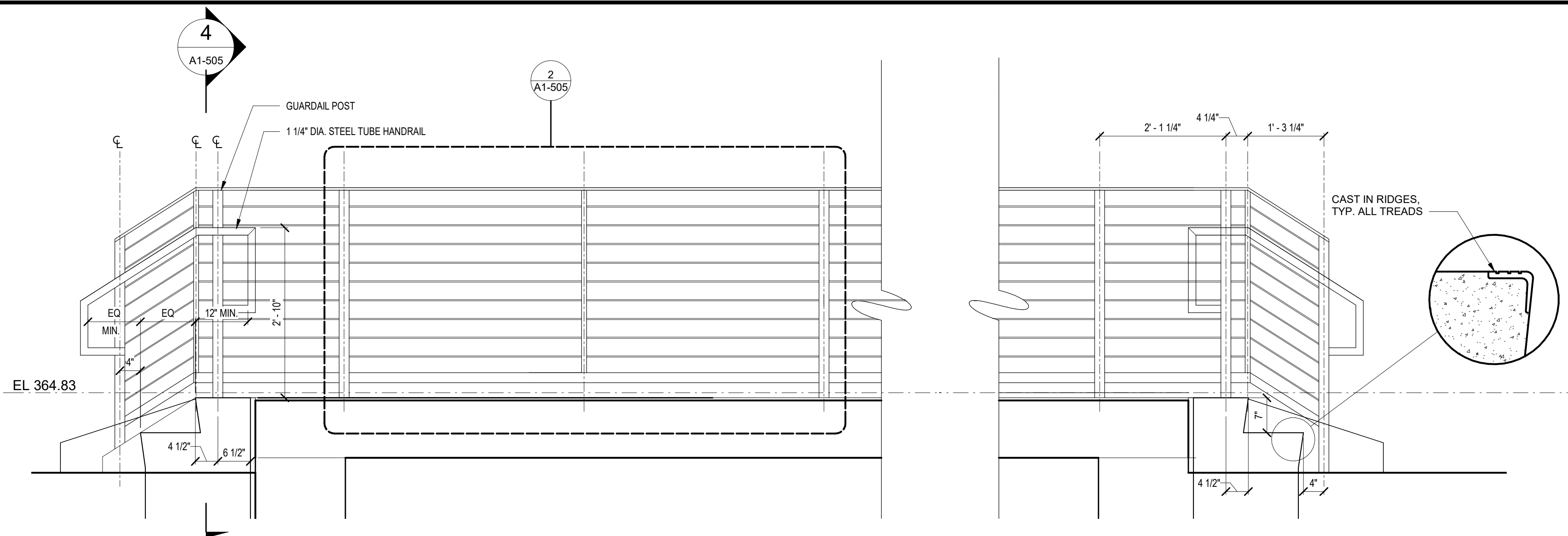
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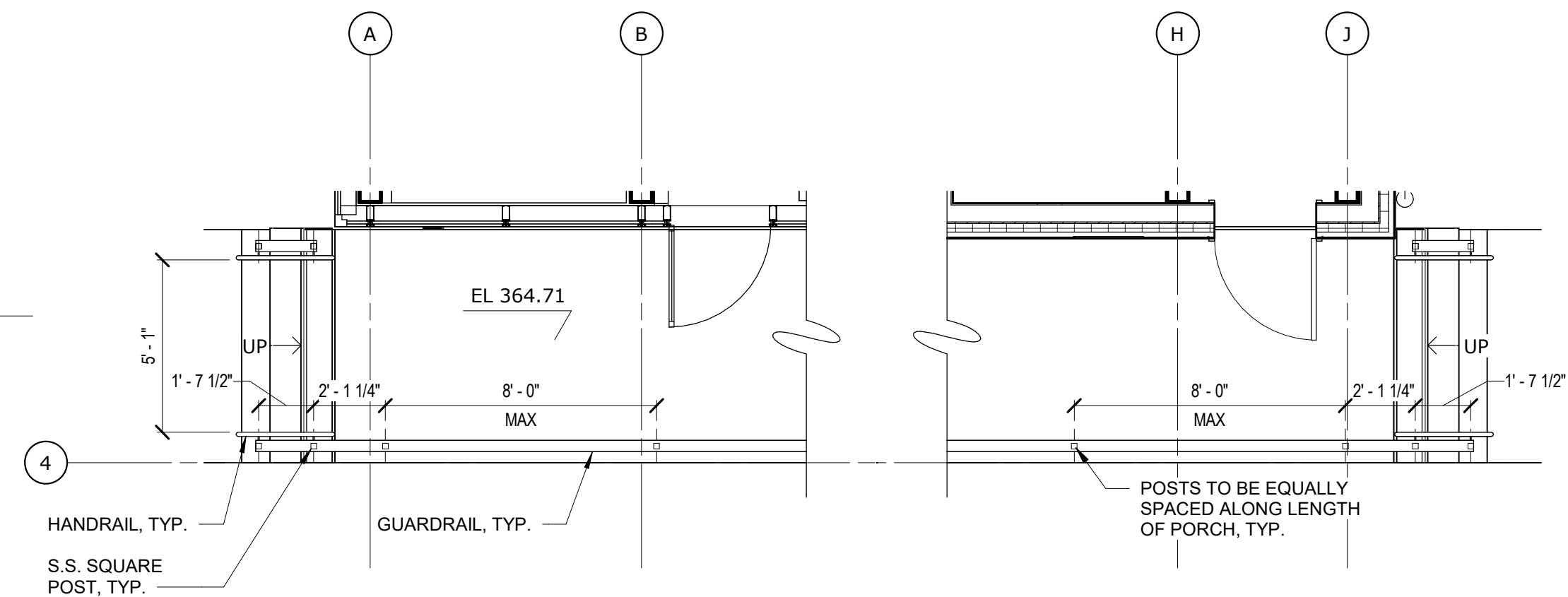
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ARCHITECTURAL
ROOF DETAILS

DATE: JANUARY 2021
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SHEET NO:
64 OF No. 80
DRAWING NO.
A1-504

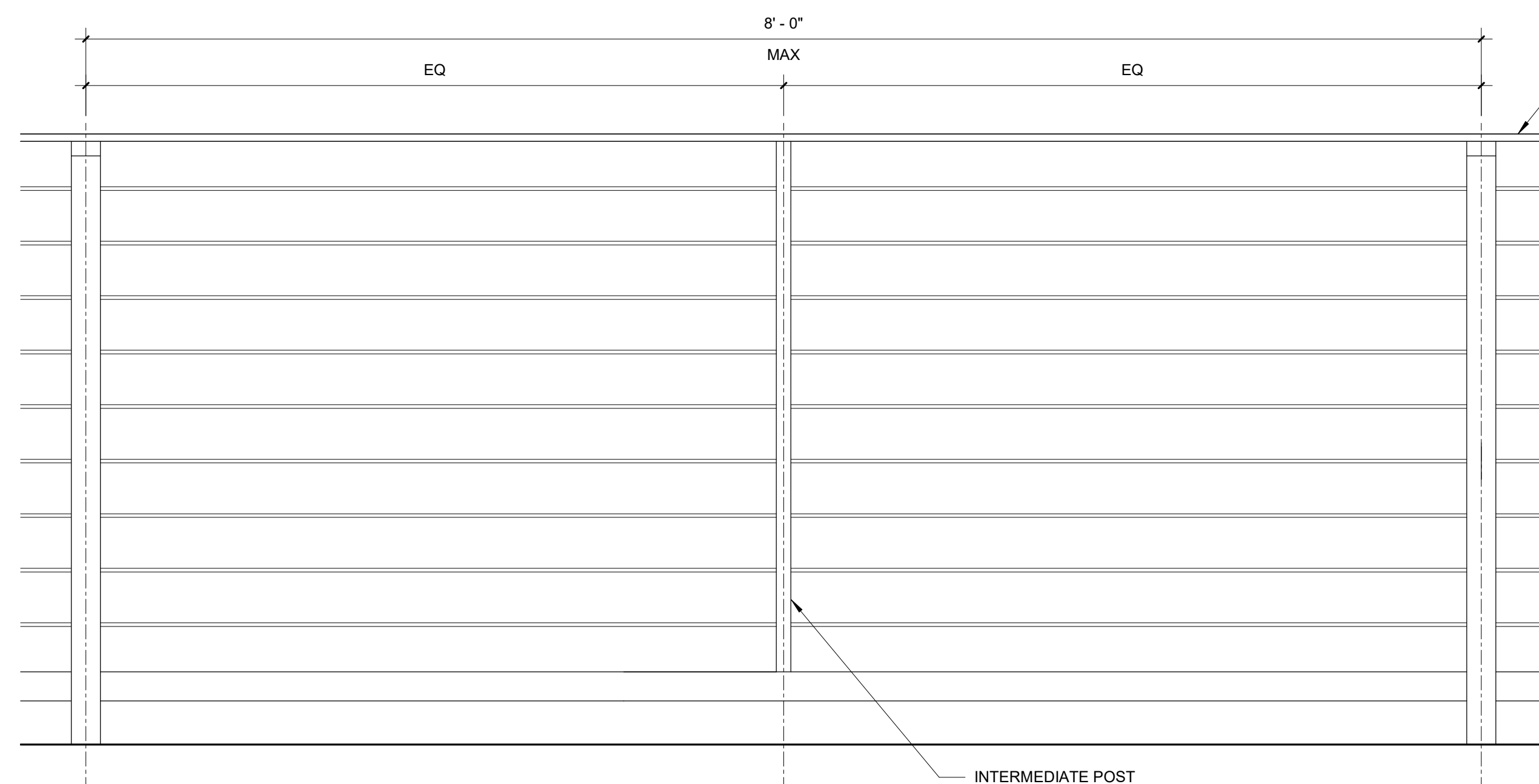
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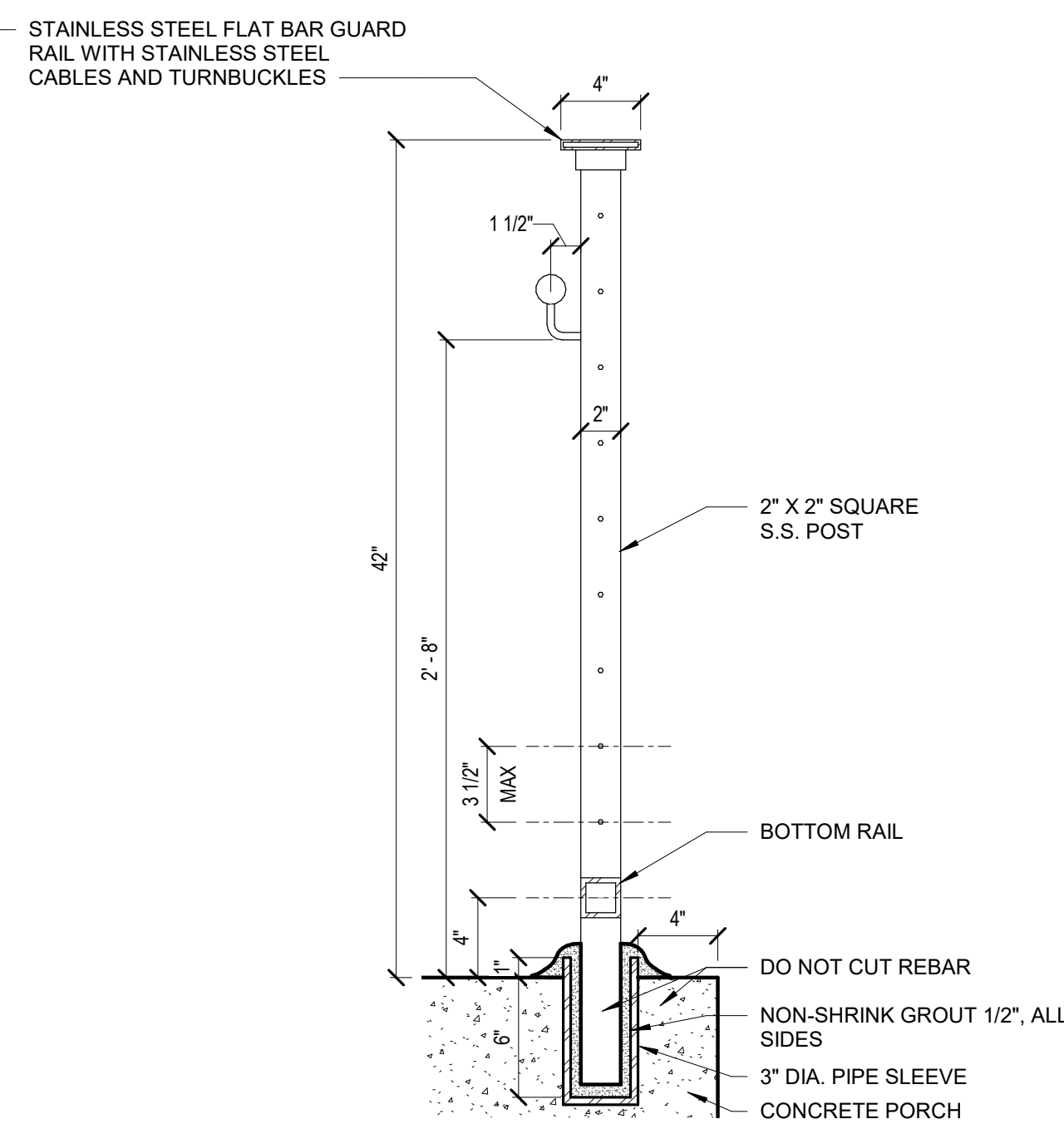
1 ELEVATION - PORCH RAILING
SCALE: 3/4" = 1'-0"



3 STAIR AND PORCH PLAN
SCALE: 1/4" = 1'-0"



2 ELEVATION - TYP. GUARDRAIL
SCALE: 1 1/2" = 1'-0"

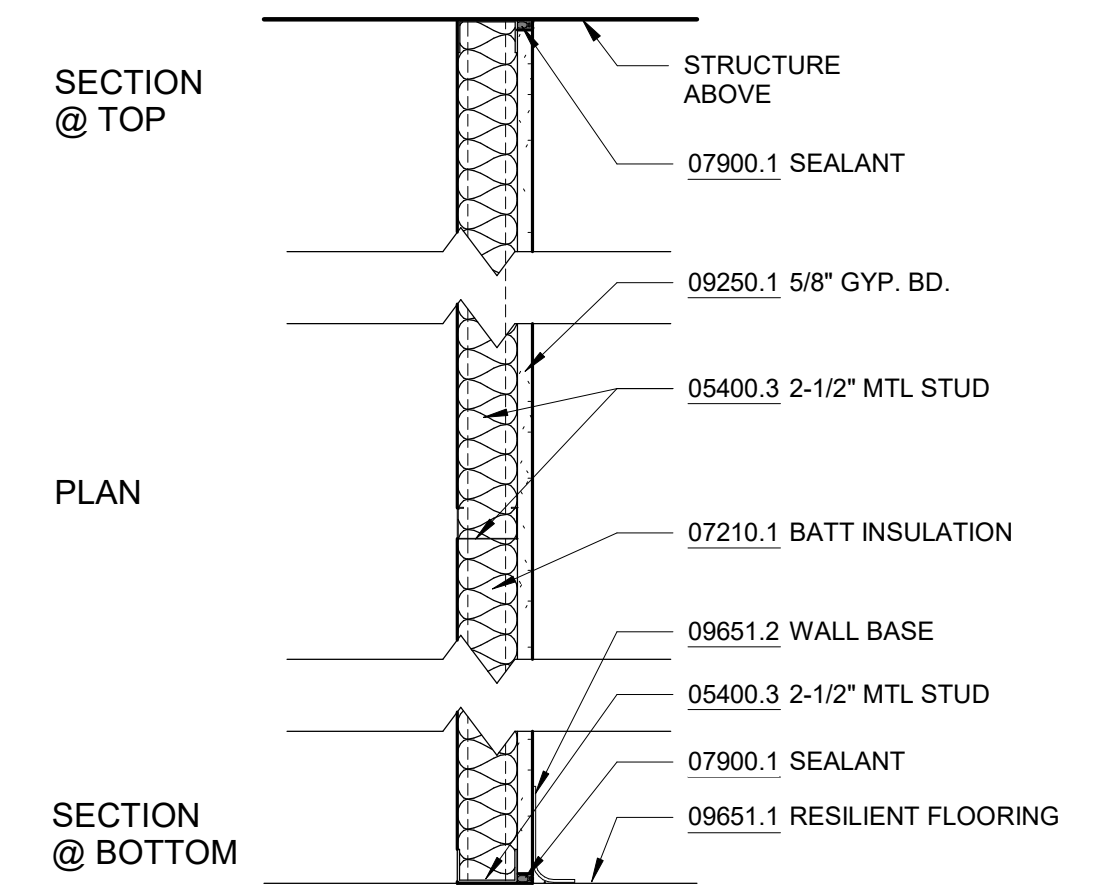
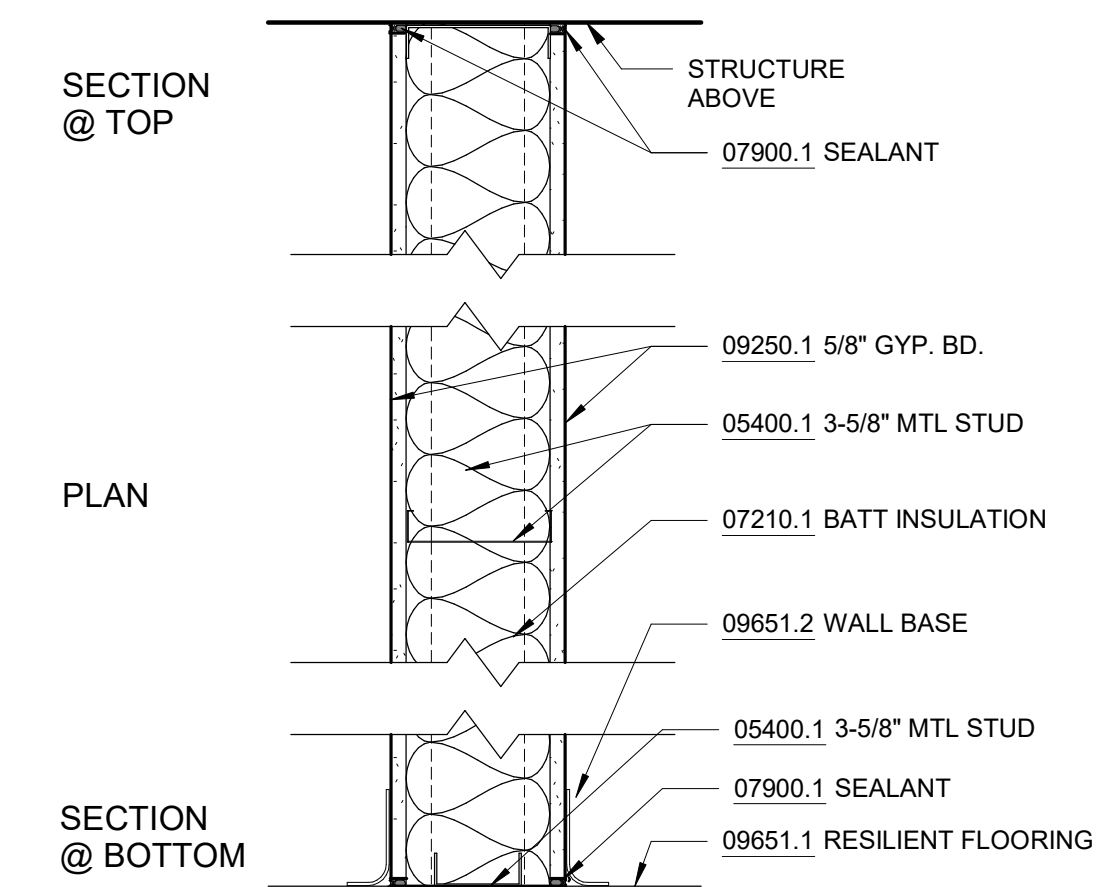
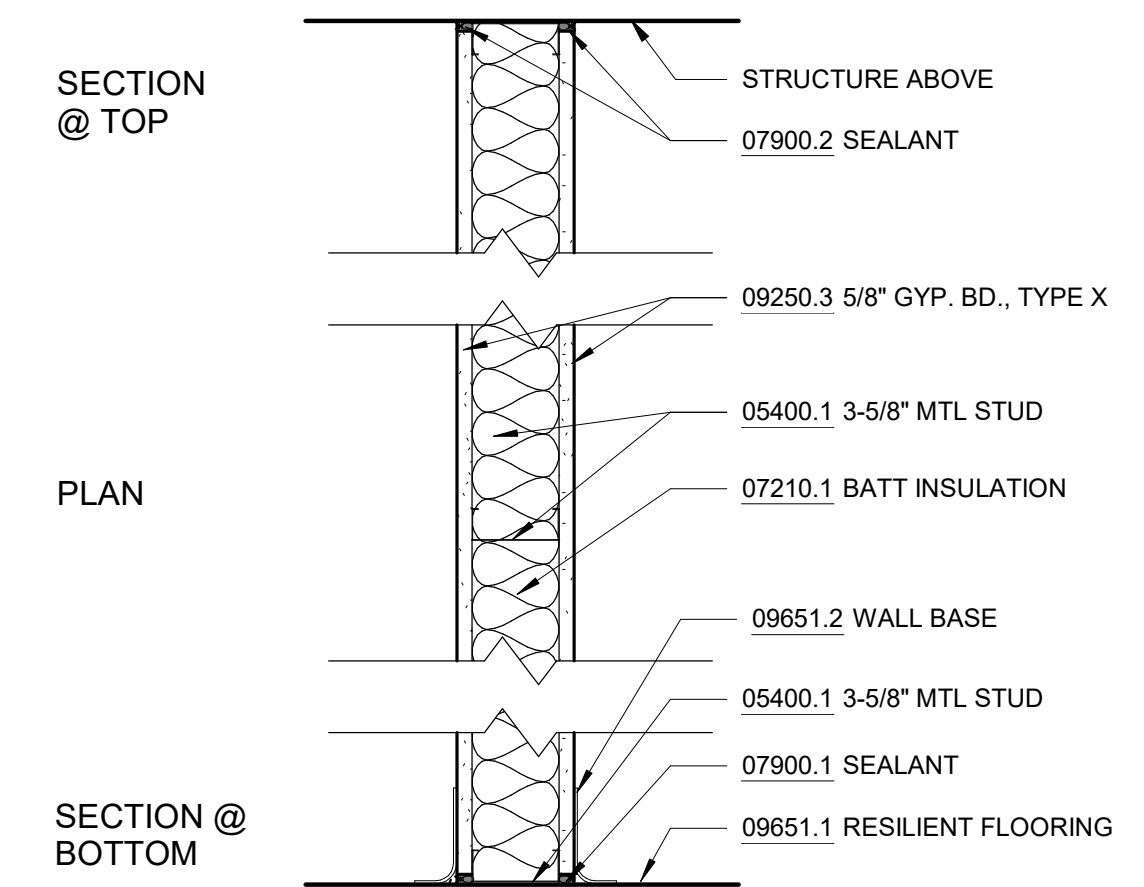
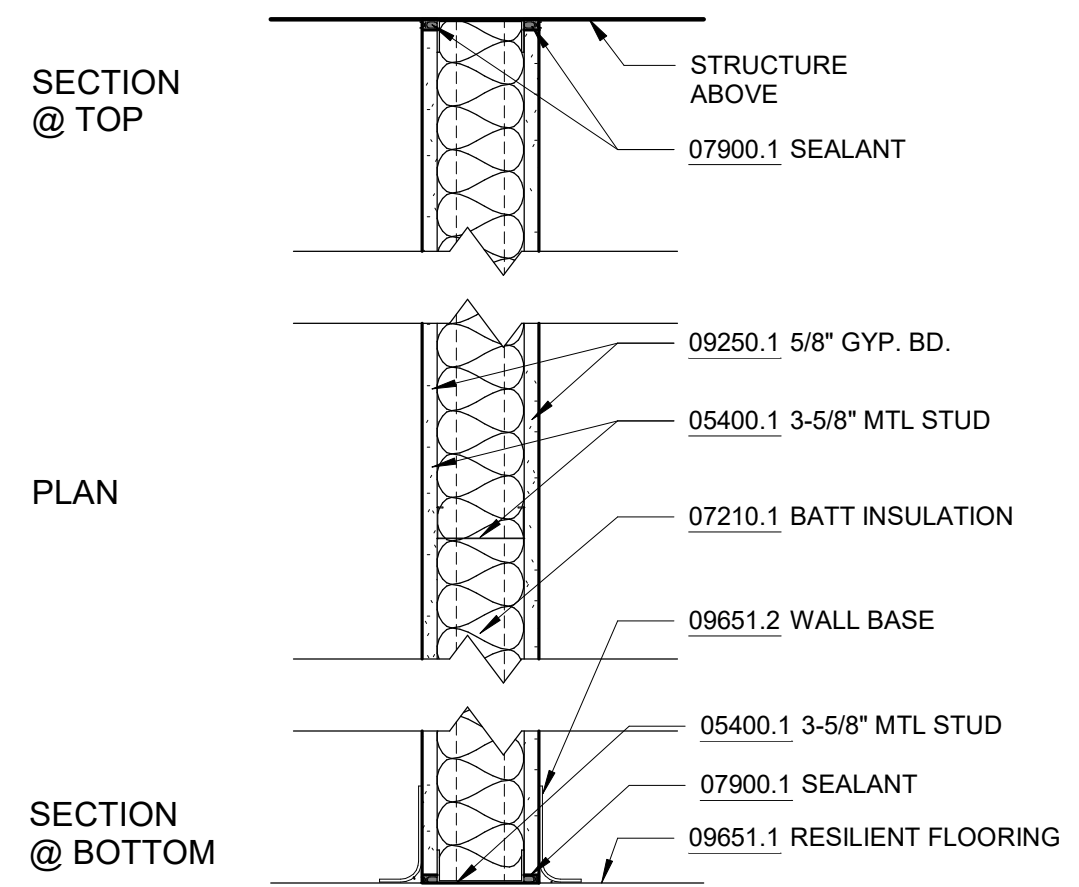


4 SECTION - TYP. HANDRAIL AND GUARDRAIL
SCALE: 1 1/2" = 1'-0"

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 20 W 22nd St, Suite 901 New York, NY 10011 P 212.242.3735		 Hazen		 NYC Environmental Protection		NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep		CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL STAIR AND PORCH DETAILS	DATE: JANUARY 2021 SCALE: SHEET NO: 65 OF No. 80 DRAWING NO. A1-505
DESIGNED BY:	J. HYUN	DRAWN BY:	S. KINARD	ACCOUNTABLE MANAGER:	JOSE NIEVES	PORTFOLIO MANAGER:	MARK DELBALZO, P.E.	<small>"WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION, 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION, 7209.2."</small>			
CHECKED BY:	E. CLAASSEN	DESIGN LEAD:	EDWARD BARBOE, P.E.								
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D								

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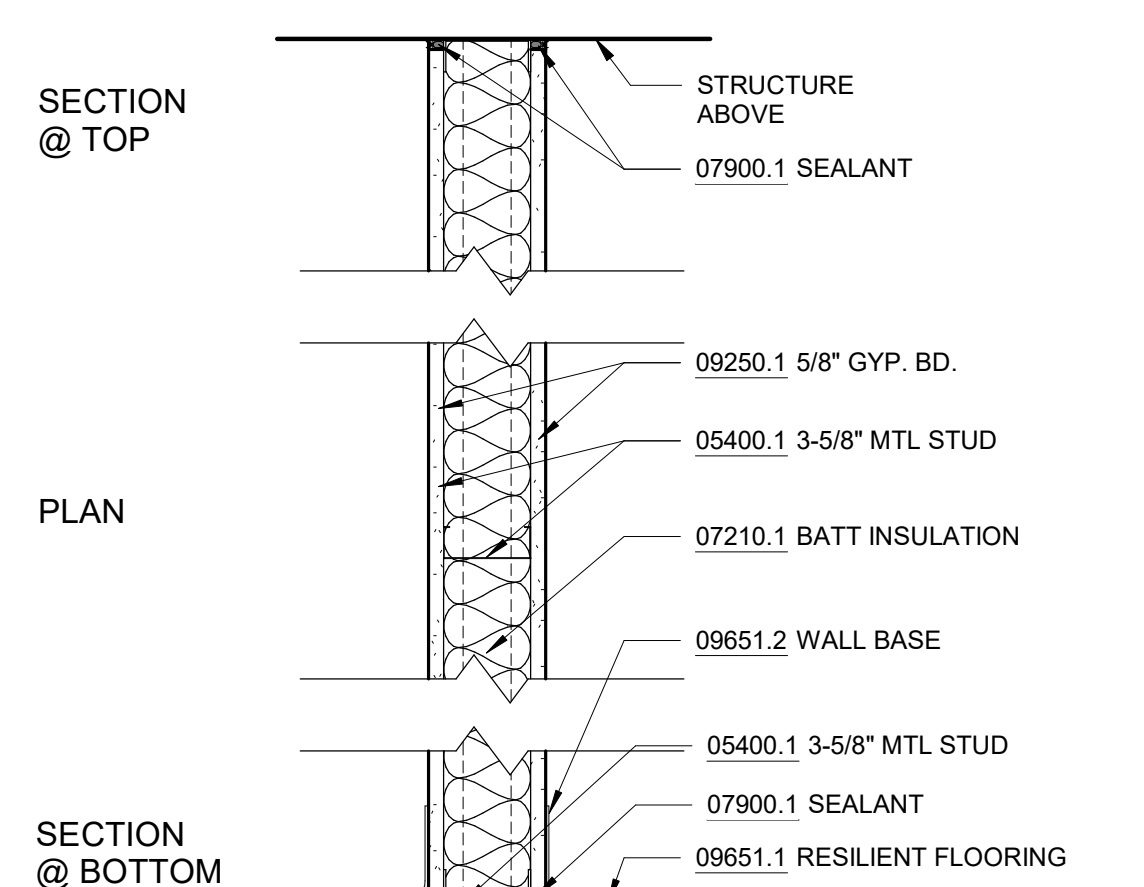
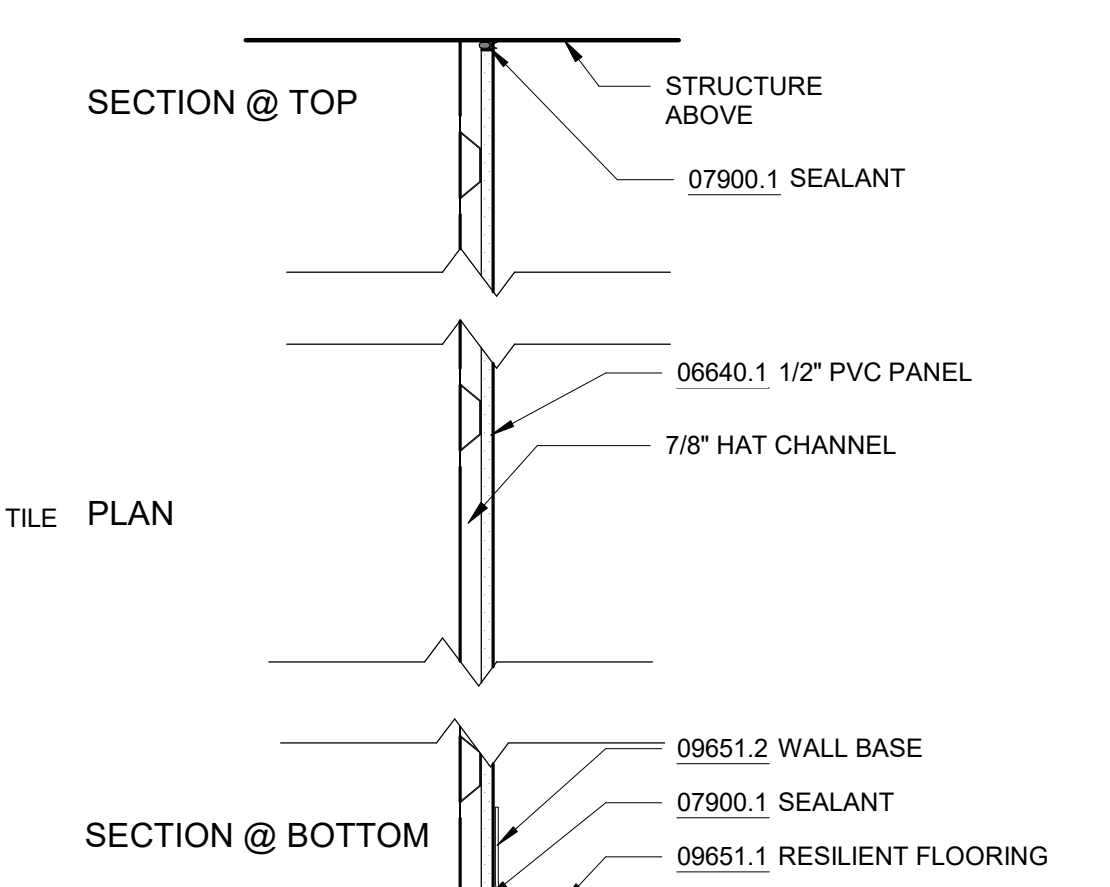
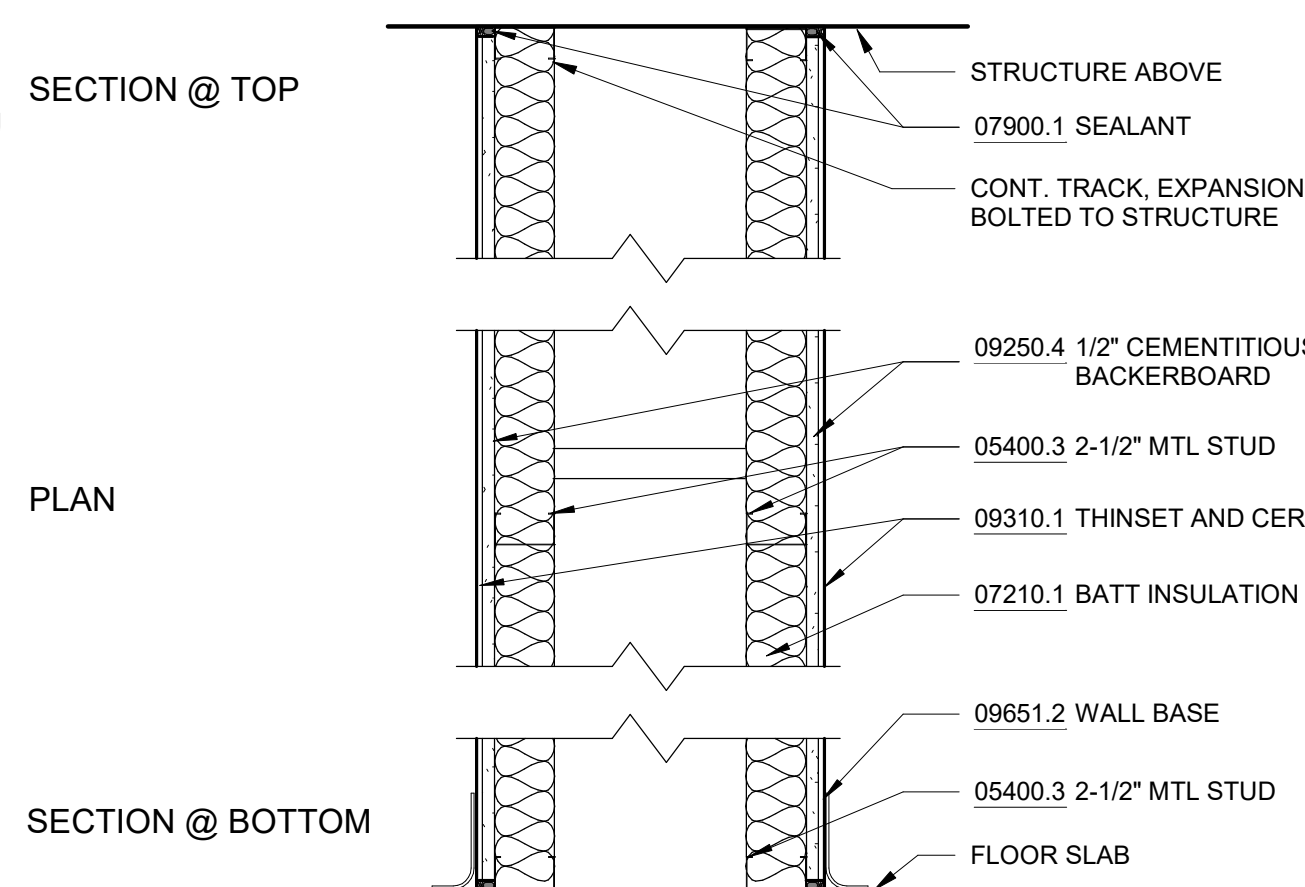
NOTES - DETAILS		
DIVISION 4	04051.1 GROUT SOLID 04400.1 STONE VENEER 04400.2 WEEP HOLE 04400.3 MORTAR NET	4" FULL VENEER LIMESTONE PLASTIC RECTANGULAR WEEP HOLES
DIVISION 5	05400.1 3-5/8" METAL STUD 05400.2 6" METAL STUD 05400.3 2-1/2" METAL STUD 05400.4 8" METAL STUD	3-5/8" METAL STUD, 16" O.C. 6" METAL STUD, 16" O.C. 2-1/2" METAL STUD, 16" O.C. 8" METAL STUD, 16" O.C.
DIVISION 6	06160.1 <varies> 06640.1 1/2" PVC PANEL 06640.2 PVC BASE TRIM	5/8" GLASS MAT SHEATHING, FASTENED TO METAL STUDS TONGUE AND GROOVE, RIB REINFORCED, 1/2" THICK PVC WALL PANEL PVC TRIM PIECES BY WALL PANEL MANUFACTURER, COLOR TO MATCH WALL PANEL
DIVISION 7	07111.1 DAMPPROOFING 07210.1 BATT INSULATION 07210.2 3" RIGID INSULATION 07221.1 6" RIGID INSULATION 07271.1 AIR & VAPOR BARRIER 07460.1 FIBER CEMENT PANEL 07460.2 RAINSCREEN ATTACHMENT SYSTEM 07460.3 VERTICAL CHANNEL 07611.1 STANDING SEAM ROOF 07611.2 SNOW GUARD 07620.1 FLASHING 07620.2 FLASHING 07620.3 FLASHING 07900.1 SEALANT 07900.2 CAULK 07900.3 BACKER ROD	BITUMINOUS DAMPPROOFING, APPLIED TO CONCRETE FOUNDATION RECYCLED GLASS FIBER INSULATION BATTS, R-13 MIN. 3" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK 6" RIGID XPS INSULATION, R-5 PER INCH MIN., MECHANICALLY FASTENED TO METAL ROOF DECK ADHERED TO GLASS MAT SHEATHING 5/16" (8MM) THROUGH COLOR FIBER CEMENT WALL PANEL THERMALLY ISOLATED EXPOSED FASTENER RAINSCREEN ATTACHMENT SYSTEM 1/2" VERTICAL HAT CHANNEL @ 16" O.C. 22 GA. MIN. GALVALUME MECHANICALLY SEAMED DOUBLE LOCK ROOF MECHANICALLY ATTACHED ALUMINUM SNOW GUARDS, COLOR TO MATCH ROOFING COPPER THRU-WALL FLASHING
DIVISION 8	08110.1 H.M. DOOR AND FRAME 08800.1 GLAZING 08911.1 7-1/2" ALUM. CURTAIN WALL 08911.2 6" ALUM. CURTAIN WALL 08911.3 BRAKE METAL	EXTERIOR GALVANIZED STEEL DOOR AND FRAME, PAINTED TO MATCH FIBER CEMENT PANEL COLOR 1" INSULATED GLASS UNIT WITH BIRD PROTECTION UV STRIPE COATING 7-1/2" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH 6" ALUMINUM FRONT-GLAZED CURTAIN WALL, CLEAR ANODIZED FINISH FINISH TO MATCH CURTAIN WALL
DIVISION 9	09206.1 METAL FURRING 09206.2 METAL FURRING CHANNEL CLIP 09206.3 1 1/2" STEEL RUNNING CHANNEL 09206.4 GAT CLIP 09206.5 MAIN TEE 09206.6 DIRECT HANG CLIP 09206.7 HAT CHANNEL 09250.1 5/8" GYP. BD. 09250.2 TRIM 09250.5 STEEL ROD 09511.1 LINEAR METAL CEILING 09511.2 LINEAR METAL PLANK 09511.3 CARRIER 09511.4 HANGER WIRE 09511.5 CROSS TEE 09511.6 CARRIER SPLICE	4B1.5L CAT. #16.59 SM (OR OTHER APPROVED MEANS) 24" OC MAX., SHAPE AND DESIGN AS APPROVED (THE RECESSED FIXTURE MAY BE SUPPORTED BY THE MAIN TEES SPACED 2'-0" OR 4'-0" OC) 7/8" METAL HAT CHANNEL 5/8" GYPSUM BOARD, ABUSE RESISTANT J TRIM WITH SEALANT BEAD 1/4" DIA. GALVANIZED STEEL ROD, SPACING NOT TO EXCEED 4'-0" OC LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS LINEAR METAL CEILING, 6" PLANKS, ATTACHED TO PURLINS LINEAR METAL CEILING MANUFACTURER'S STANDARD CEILING ATTACHMENT, ATTACHED TO PURLINS 12 GA HANGER WIRE, 48" O.C. MAX 1 1/2" HIGH, 2'-0" OC CARRIER SPLICE WITH FIELD-FLATTENED LANCE, TYPICAL

- 1** 3 5/8" MTL STUD NON-RATED
SCALE: 1 1/2" = 1'-0"
- 1A** 3 5/8" MTL STUD NON-RATED: PAINT/TILE
INSTALL 1/2" CEMENTITIOUS BACKBOARD AND TILE IN LIEU OF GYPSUM ON WET SIDE OF PARTITION
- 1B** 3 5/8" MTL STUD NON-RATED: TILE/TILE
INSTALL 1/2" CEMENTITIOUS BACKBOARD AND TILE IN LIEU OF GYPSUM ON BOTH SIDES OF PARTITION
- 1C** 3 5/8" MTL STUD NON-RATED: PVC/TILE
INSTALL 1/2" CEMENTITIOUS BACKBOARD AND TILE IN LIEU OF GYPSUM ON BATHROOM SIDE OF PARTITION, AND 1/2" PVC PANEL IN LIEU OF GYPSUM BOARD ON BOATWASH SIDE OF PARTITION
- 1D** 3 5/8" MTL STUD NON-RATED: PVC/GYP
INSTALL 1/2" PVC PANEL IN LIEU OF GYPSUM BOARD ON BOATWASH SIDE OF PARTITION.
- 1E** 3 5/8" MTL STUD NON-RATED: PVC/PVC
INSTALL 1/2" PVC PANEL IN LIEU OF GYPSUM BOARD ON BOTH SIDES OF PARTITION.

- 2** 3 5/8" MTL STUD 1 HR
SCALE: 1 1/2" = 1'-0" UL # U419
- 2A** 3 5/8" MTL STUD 1 HR: PAINT/TILE
INSTALL 1/2" CEMENTITIOUS BACKBOARD AND TILE IN LIEU OF GYPSUM ON WET SIDE OF PARTITION

- 3** 6" MTL STUD NON-RATED
SCALE: 1 1/2" = 1'-0"

- 4** 2 1/2" MTL STUD NON-RATED
SCALE: 1 1/2" = 1'-0"
- 4A** 2 1/2" MTL STUD NON-RATED: TILE
INSTALL 1/2" CEMENTITIOUS BACKBOARD AND TILE IN LIEU OF GYPSUM ON WET SIDE OF PARTITION
- 4B** 2 1/2" MTL STUD NON-RATED: PVC PANEL



- 5** 2 1/2" MTL STUD CHASE
SCALE: 1 1/2" = 1'-0"

- 6** 7/8" HAT CHANNEL W/ PVC
SCALE: 1 1/2" = 1'-0"

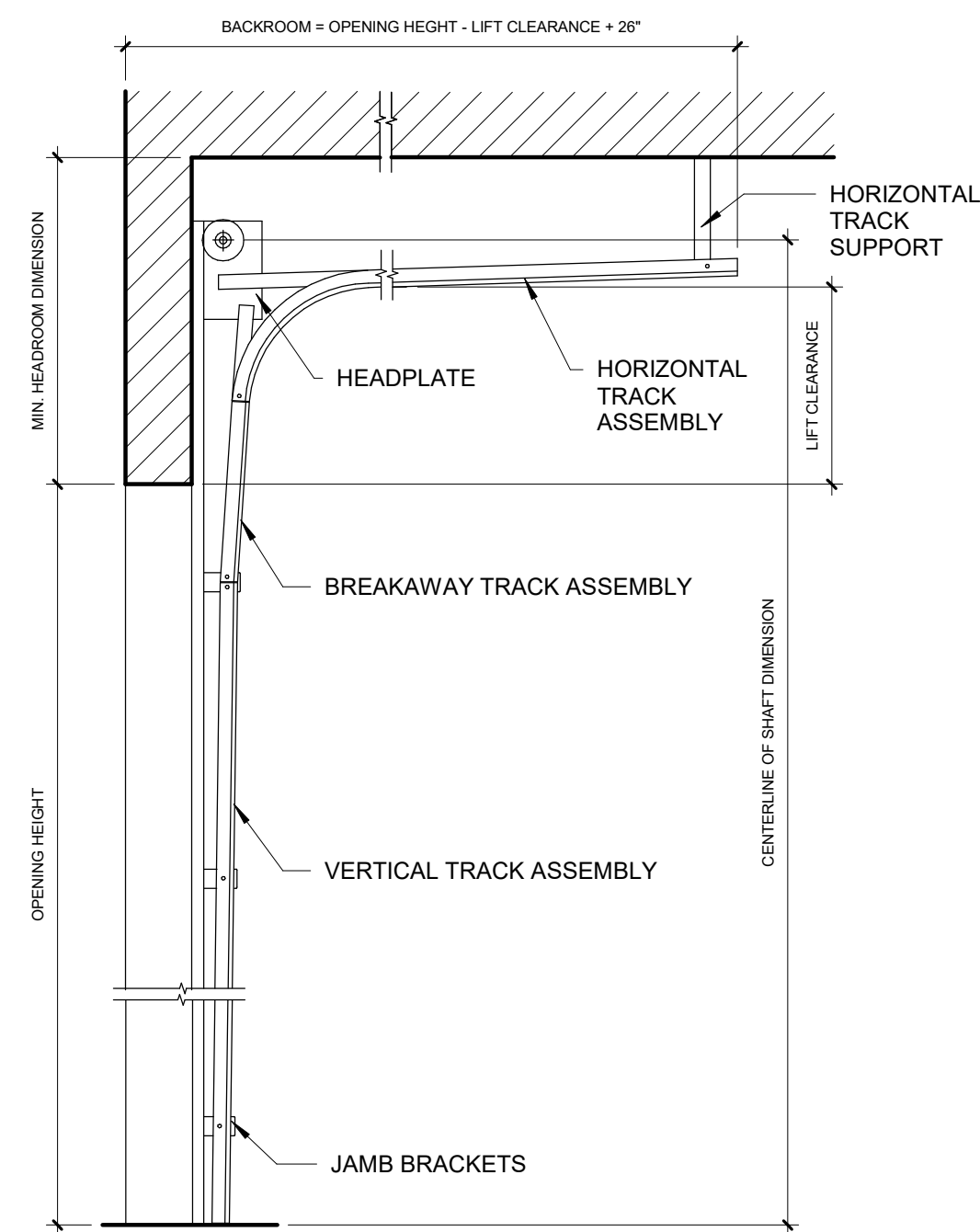
- 7** 4" MTL STUD NON RATED
SCALE: 1 1/2" = 1'-0"
- 7A** 4" MTL STUD NON-RATED: PVC/PVC
INSTALL 1/2" PVC PANEL IN LIEU OF GYPSUM BOARD ON BOTH SIDES OF PARTITION.

Autodesk Docs/09206.02A_CAT-423 WFO-02A Waterfowl Mgmt Program/09206.02A_A_VFB.rvt
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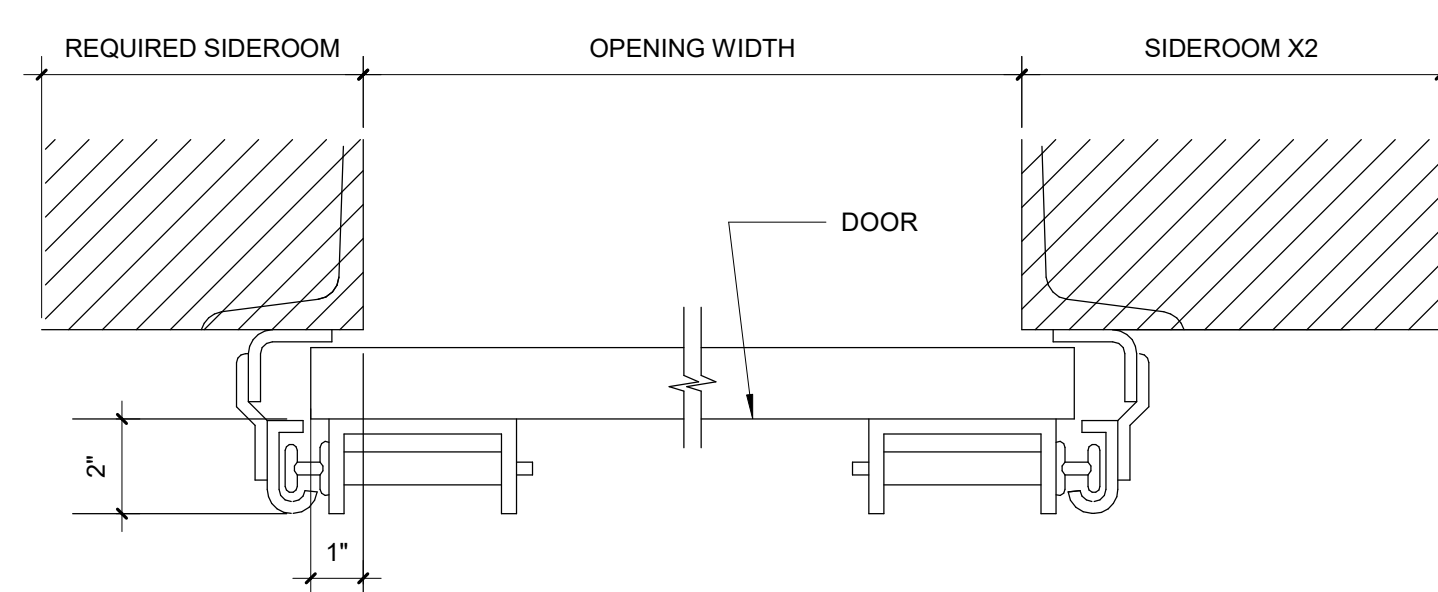
 20 W 22nd St, Suite 901 New York, NY 10010 P 212.242.3735		 		ACCOUNTABLE MANAGER JOSE NIEVES PORTFOLIO MANAGER MARK DELBALZO, P.E.		"WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION, 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION, 7209.2."		NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dcp		WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL PARTITION TYPES		CONFORMED SET GRAPHIC SCALES CHECK BEFORE USE IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY		DATE: JANUARY 2021 SCALE: SHEET NO: 66 OF No. 80 DRAWING NO. A1-506	
DESIGNED BY: J. HYUN		DRAWN BY: S. KINARD		MARK DELBALZO, P.E.											
CHECKED BY: E. CLAASSEN		DESIGN LEAD: EDWARD BARBOE, P.E.													
NO. DATE		REVISIONS/DESCRIPTION		APPRD											

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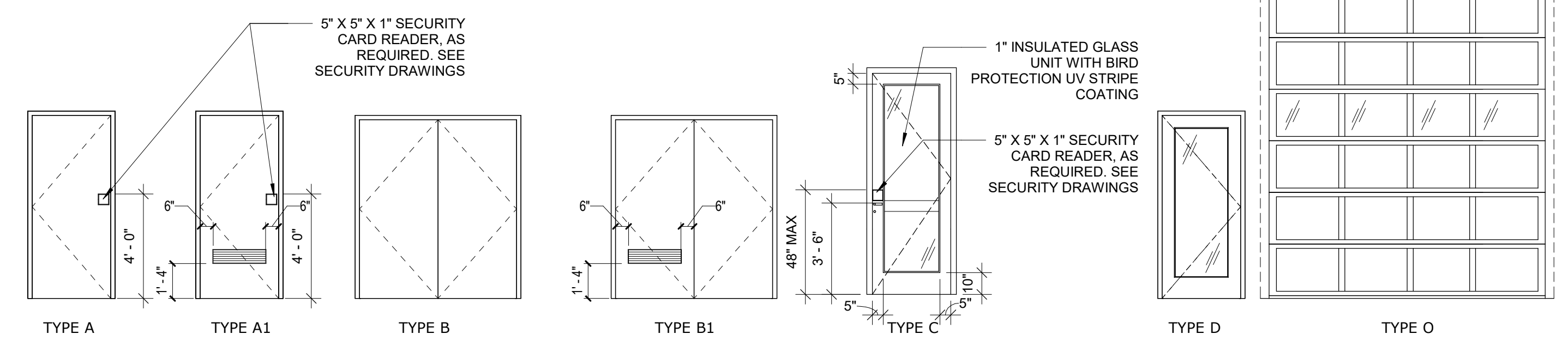
DOOR NUMBER	ROOM NUMBER	ROOM NAME	TYPE	DOOR				FRAME			FIRE RATING	HARDWARE SET	DETAIL			COMMENTS	
				TYPE	WIDTH	HEIGHT	FINISH	GLAZING TYPE	TYPE	MATERIAL			FINISH	HEAD	JAMB		THRESHOLD
100-1	100	VESTIBULE	R	ALUM/GLASS	3' - 0"		CLEAR	1" INSULATED	-	ALUM	CLEAR	-				7/A1-507	SEE STOREFRONT DETAILS ON A1-508
100-2	100	VESTIBULE	R	ALUM/GLASS	3' - 0"		CLEAR	1" INSULATED	-	ALUM	CLEAR	-				7/ A1-507	SEE STOREFRONT DETAILS ON A1-508
102	102	SWING OFFICES	R	ALUM/GLASS	3' - 0"		CLEAR	1" INSULATED	-	ALUM	CLEAR	-				6/A1-507	SEE STOREFRONT DETAILS ON A1-508
105-1	105	MUD ROOM	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	7/A1-507	
105-2	105	MUD ROOM	D	ALUM/GLASS	3' - 0"	7' - 2"	CLEAR	1/4"	WELD	STL	CLEAR	-		2/A1-507	2/A1-507	7/A1-507	
105-3	105B	PPE ROOM	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507		
106	106	PYROTEC STORAGE	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	3/4 HR		2/A1-507	2/A1-507	6/A1-507	
107	107	UNISEX RESTROOM	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	3/A1-507	
108	108	UNISEX SHOWER	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	3/A1-507	
109	109	JAN. CL.	A	HM	2' - 8"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	3/A1-507	
110	110	UNISEX SHOWER	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	3/A1-507	
111	111	IT/ELEC	A1	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507		PROVIDE (1) 24"W x 6"H LOUVER, CENTERED ON DOOR PANEL.
112-1	112	WORKSHOP	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507		
112-2	117	BOAT WASH	B	HM	6' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	8/A1-507	
113-1	113	DEP OFFICES	D	ALUM/GLASS	3' - 0"	7' - 2"	CLEAR	1/4"	WELD	STL	CLEAR	-		2/A1-507	2/A1-507		
113-2	113	DEP OFFICES	R	ALUM/GLASS	3' - 1"		CLEAR	1" INSULATED	WELD	STL	CLEAR	-					SEE STOREFRONT DETAILS ON A1-119
114	114	MECH ROOM	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	8/A1-507	
115	115	FUEL STORAGE	B1	HM	6' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	8/A1-507	PROVIDE (1) 24"W x 6"H LOUVER, CENTERED ON LEFT DOOR PANEL. SEE ELEVATION 1/A1-201.
116	116	OUTDOOR STORAGE	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	8/A1-507	
117-1	117	BOAT WASH	A	HM	3' - 0"	7' - 0"	PNT	-	WELD	STL	PNT	-		2/A1-507	2/A1-507	8/A1-507	
117-2	117	BOAT WASH	O	ALUM/GLASS	10' - 0"	15' - 0"	CLEAR	1/4"	-	ALUM	CLEAR	-					SEE OVERHEAD DOOR DETAILS ON A1-506
117-3	117	BOAT WASH	O	ALUM/GLASS	10' - 0"	15' - 0"	CLEAR	1/4"	-	ALUM	CLEAR	-					SEE OVERHEAD DOOR DETAILS ON A1-506



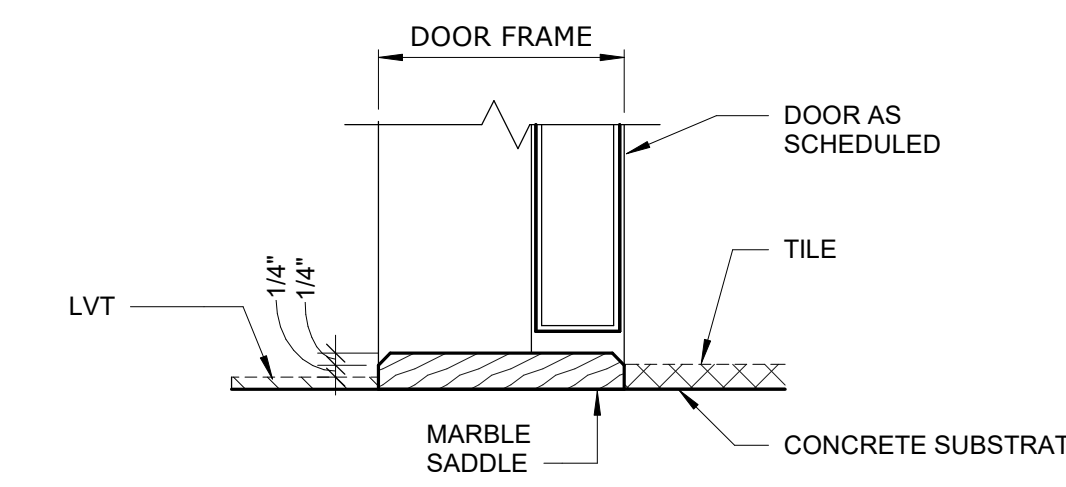
5 LIFT CLEARANCE TRACK
A1-507 SCALE: 3/4" = 1'-0"



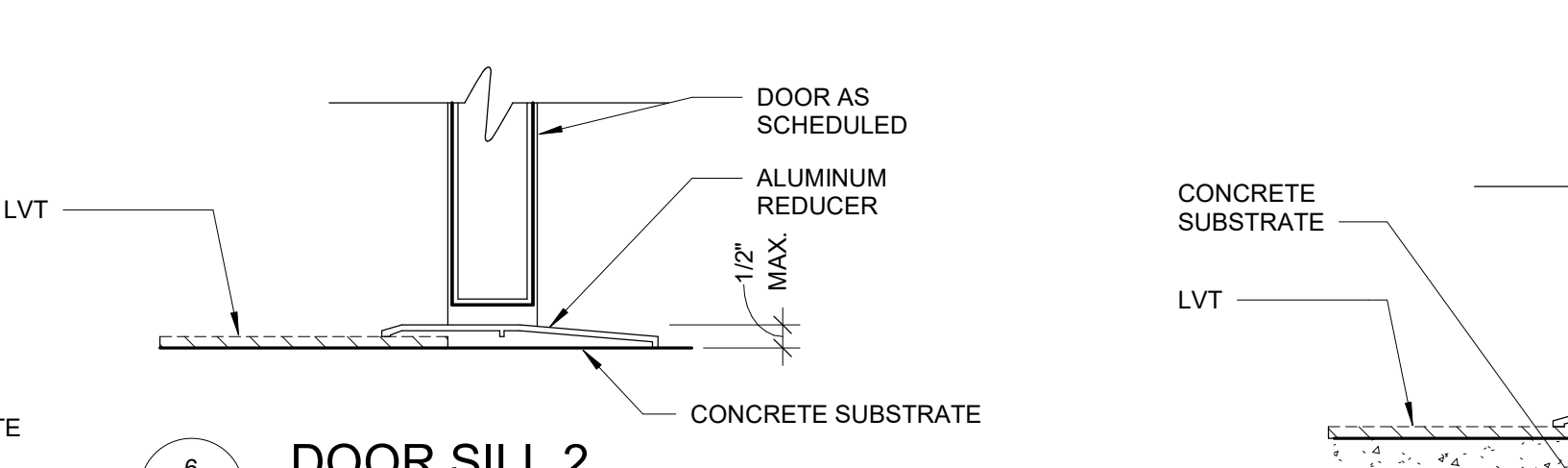
4 OVERHEAD DOOR STEEL JAMB DETAIL
A1-507 SCALE: 3" = 1'-0"



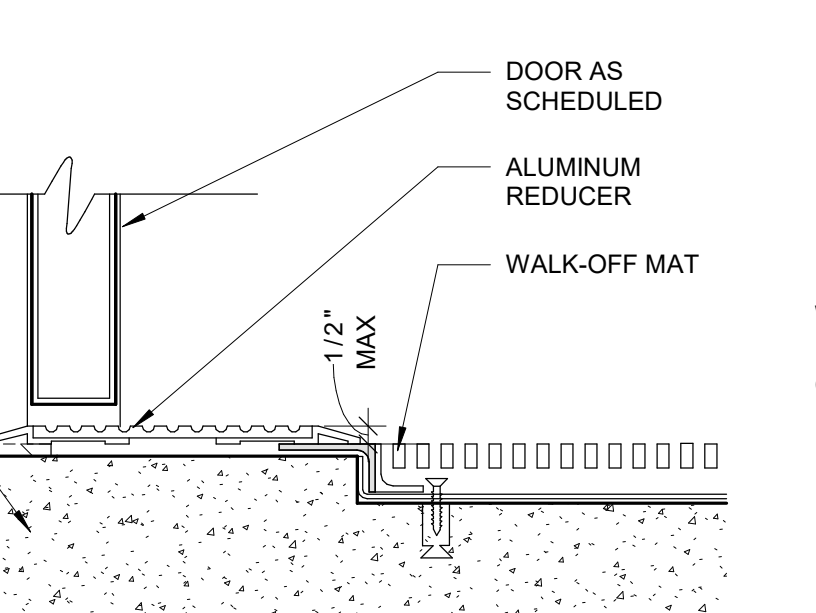
1 DOOR TYPES
SCALE: 1/4" = 1'-0"



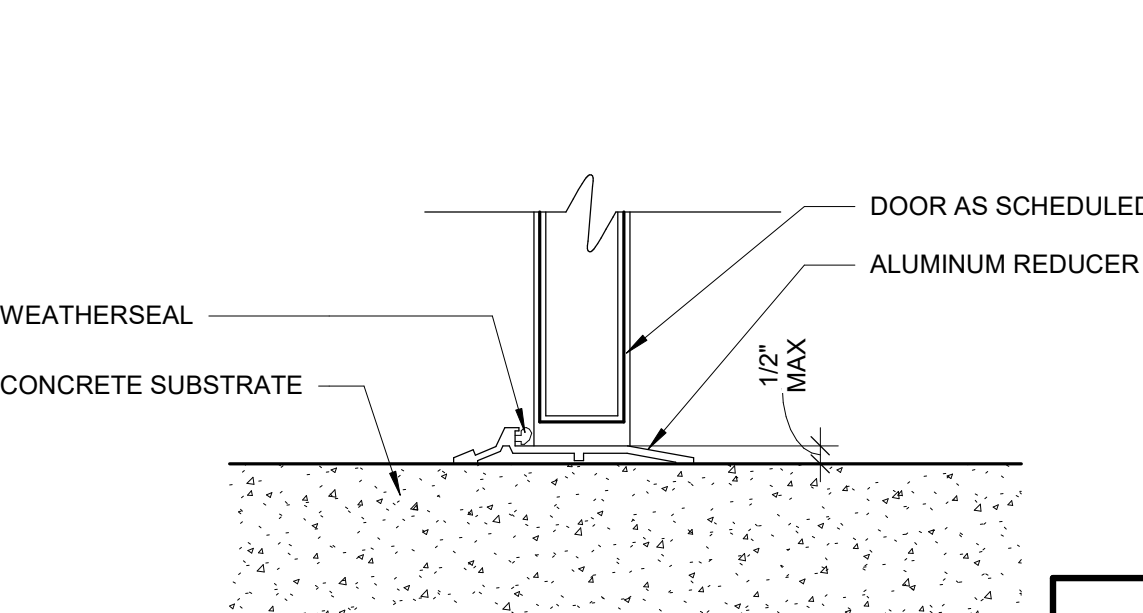
3 DOOR SILL 1
A1-507 SCALE: 3" = 1'-0"



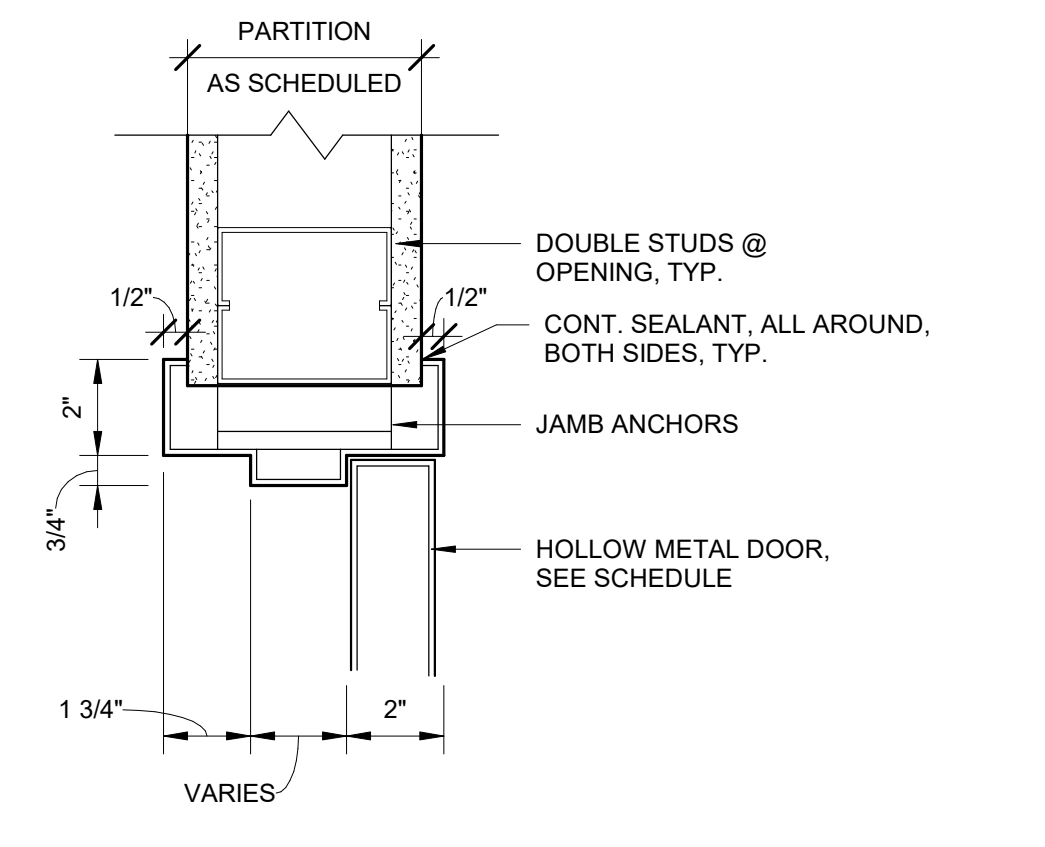
6 DOOR SILL 2
A1-507 SCALE: 3" = 1'-0"



7 DOOR SILL 3
A1-507 SCALE: 3" = 1'-0"



8 DOOR SILL 4
A1-507 SCALE: 3" = 1'-0"



2 DOOR HEAD/JAMB SIM.
SCALE: 3" = 1'-0"

GoshowArchitects
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P 212.242.3735

DESIGNED BY: J. HYUN
DRAWN BY: S. KINARD
CHECKED BY: E. CLAASSEN
DESIGN LEAD: EDWARD BARBOE, P.E.

Hazen

NYC Environmental Protection

ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
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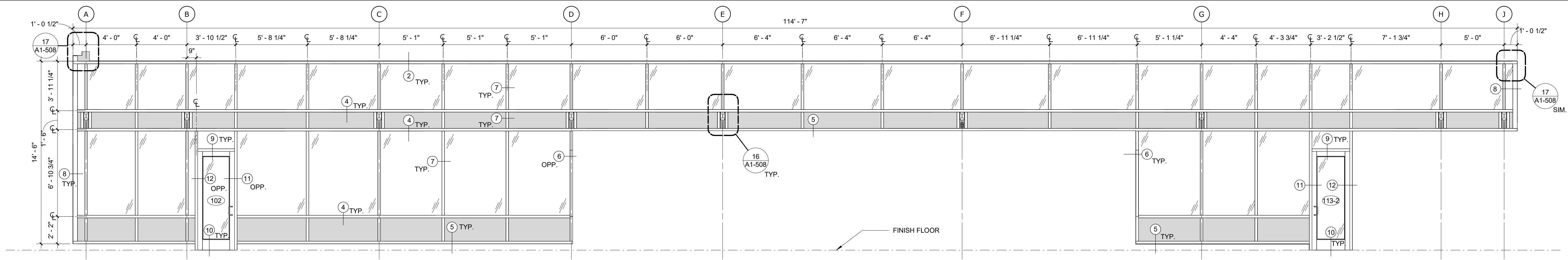
IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
DOOR SCHEDULE AND DETAILS

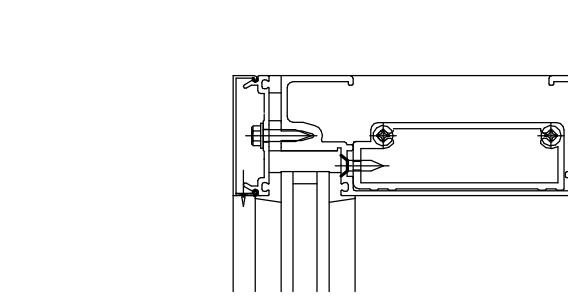
DATE: JANUARY 2021
SCALE:
SHEET NO:
67 OF No. 80
DRAWING NO.
A1-507

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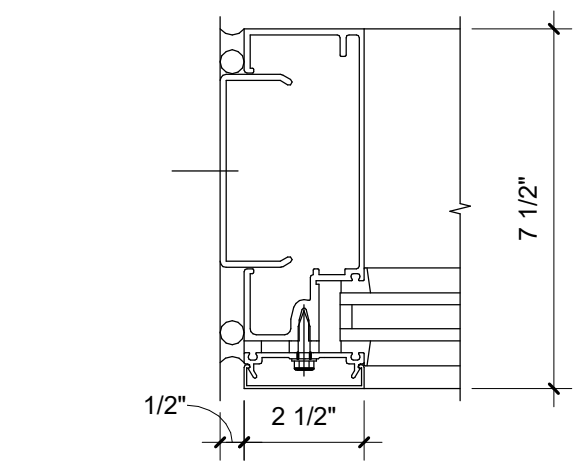
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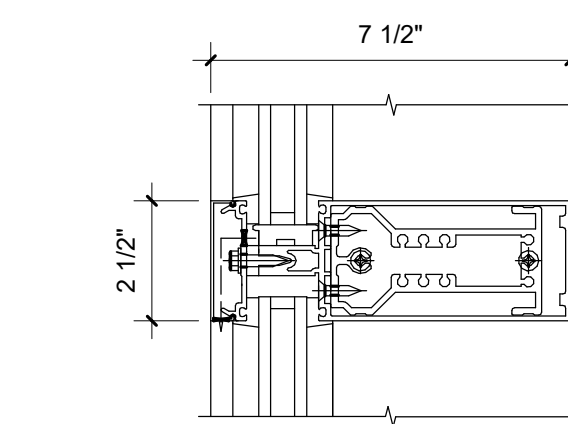
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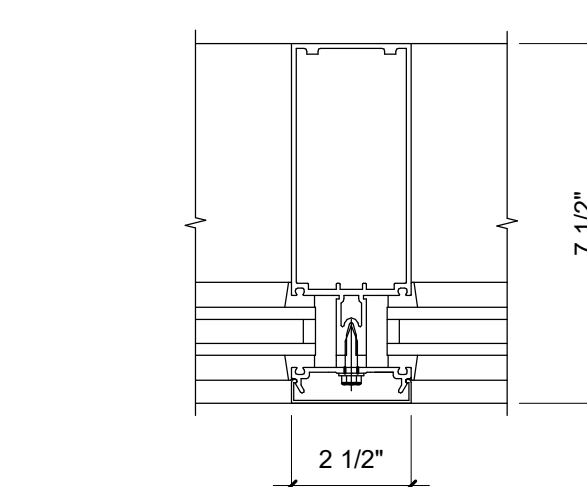
2 HEAD DETAIL
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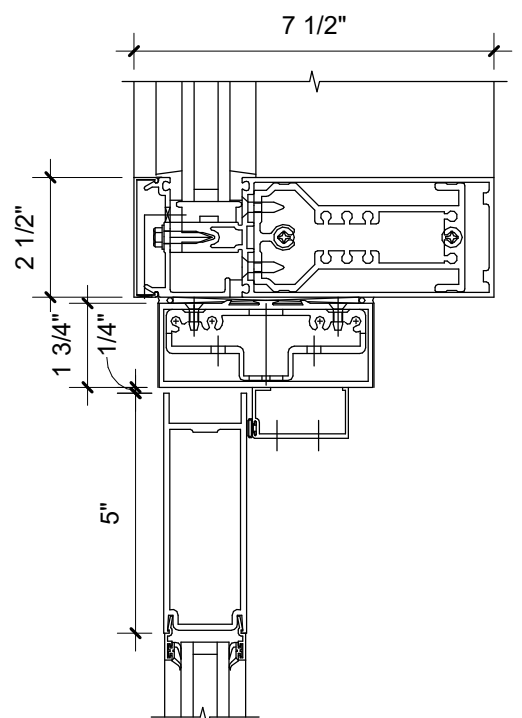
6 JAMB DETAIL
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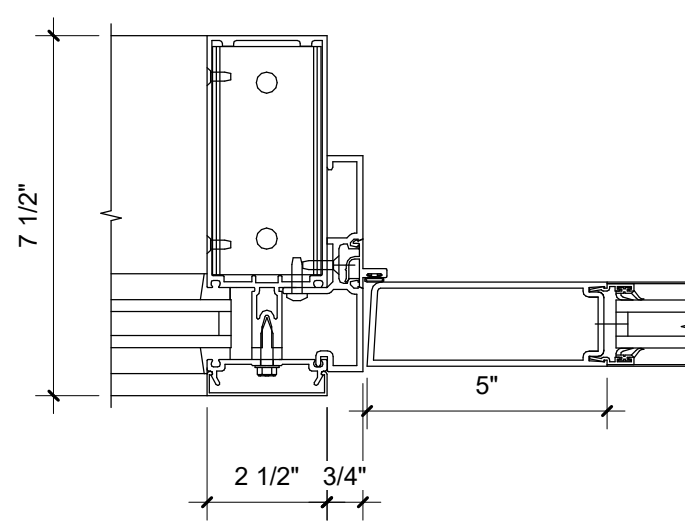
3 HORIZONTAL MULLION
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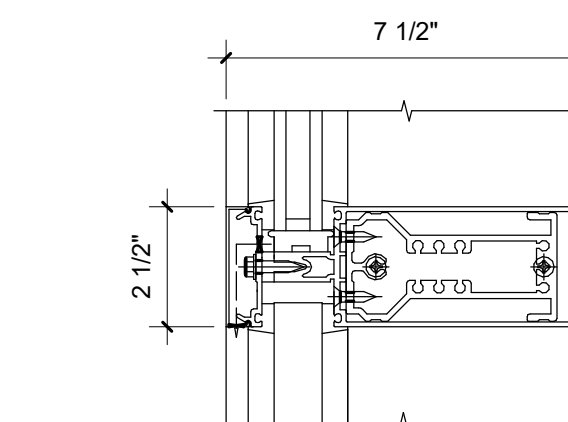
7 VERTICAL MULLION
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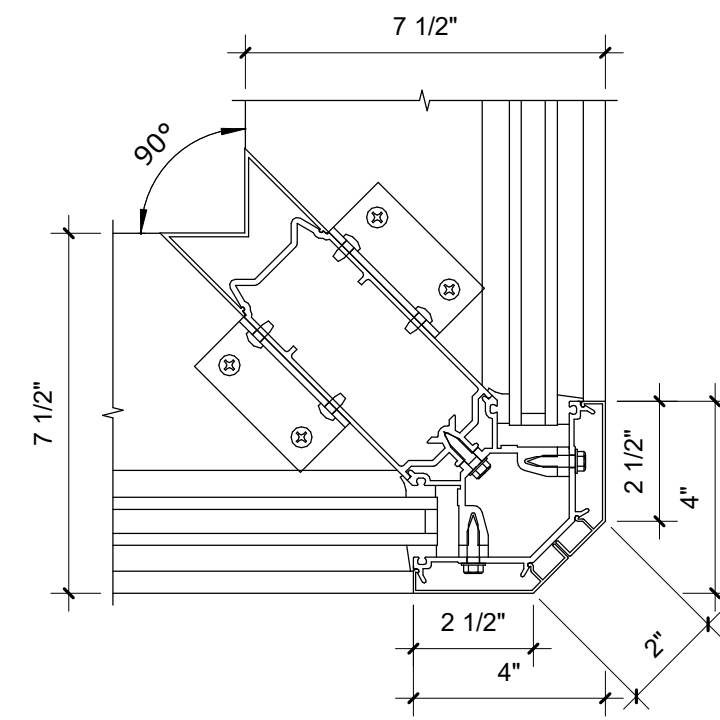
9 DOOR HEAD @ TRANSOM DETAIL
SCALE: 3" = 1'-0"



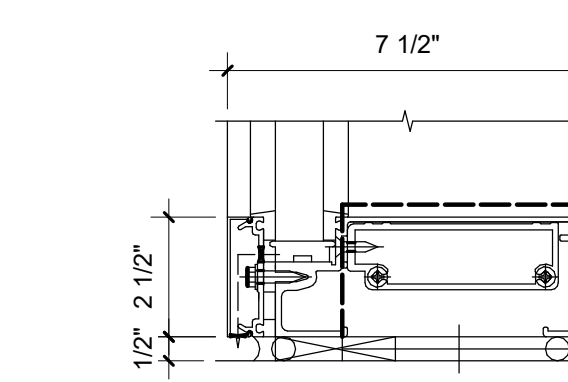
11 DOOR STILE DETAIL
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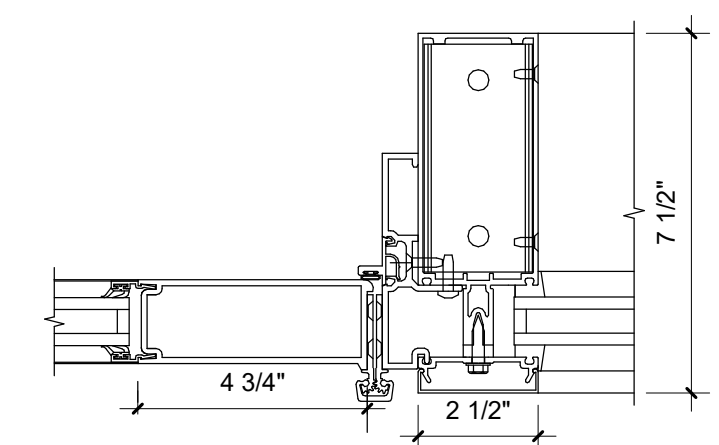
4 HORIZONTAL MULLION @ SPANDREL
SCALE: 3" = 1'-0"



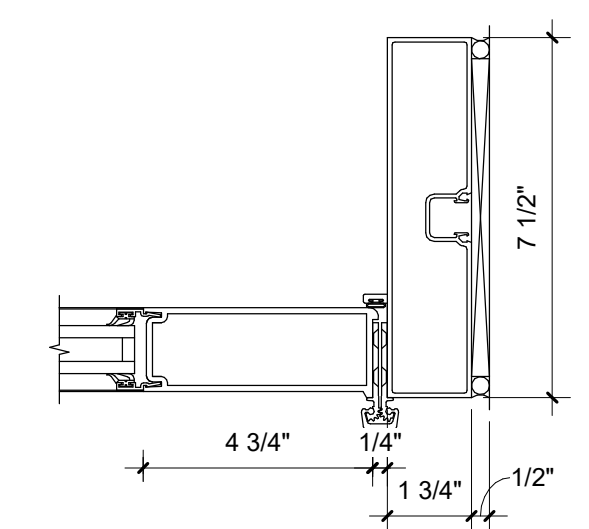
8 CORNER DETAIL
SCALE: 3" = 1'-0"



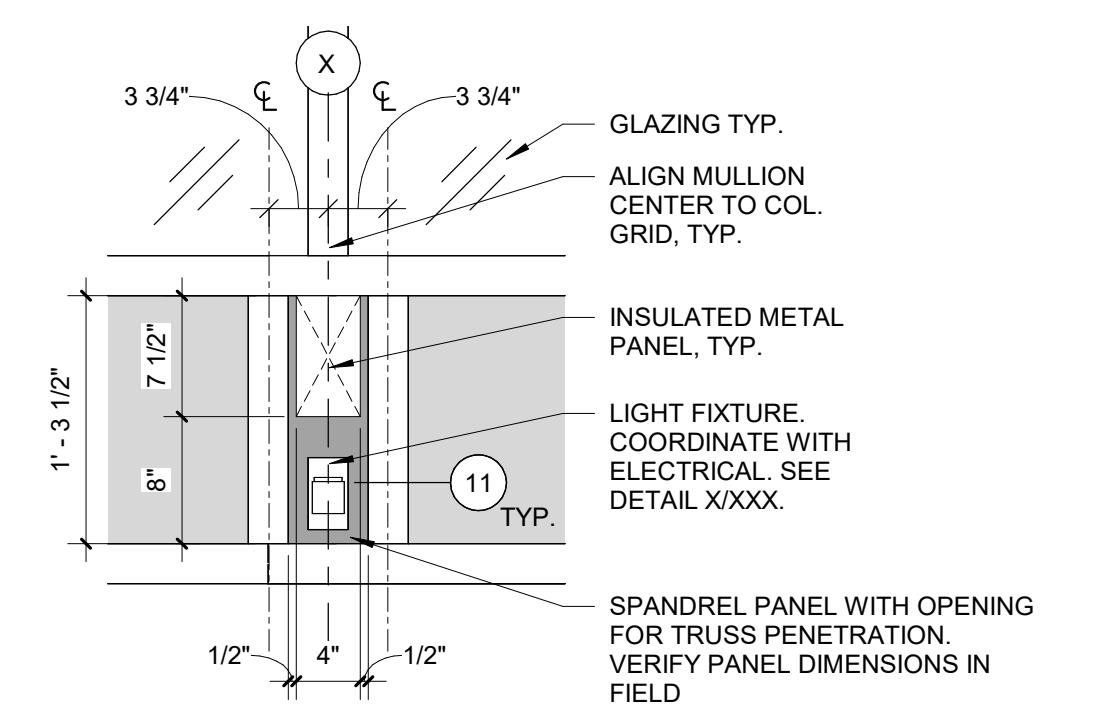
5 SILL DETAIL
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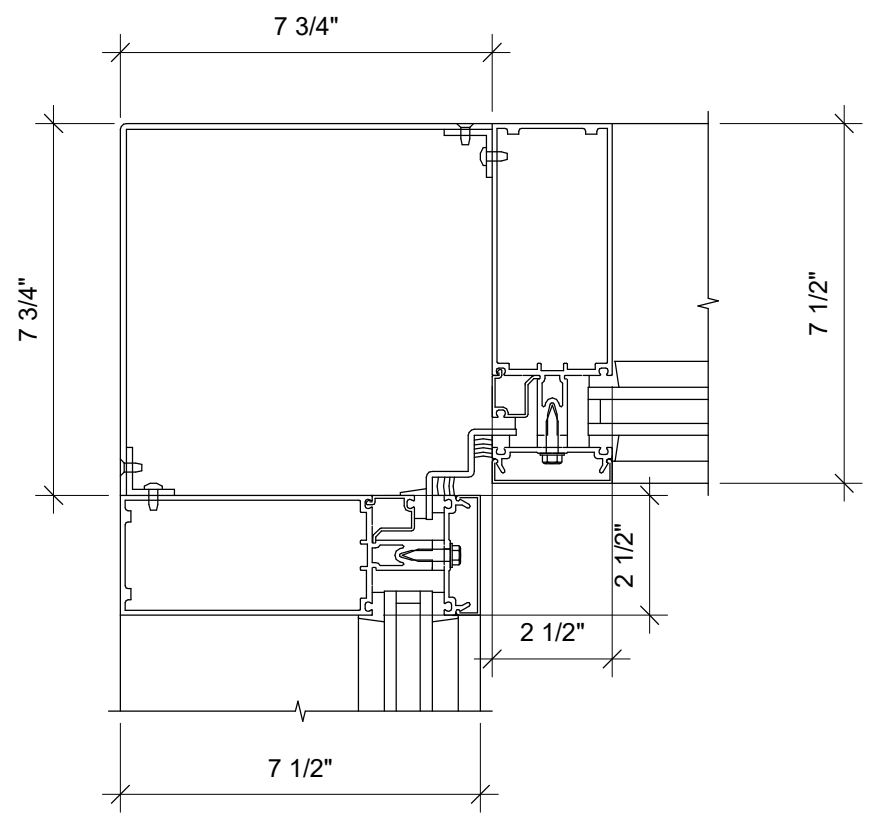
12 DOOR HINGE DETAIL
SCALE: 3" = 1'-0"



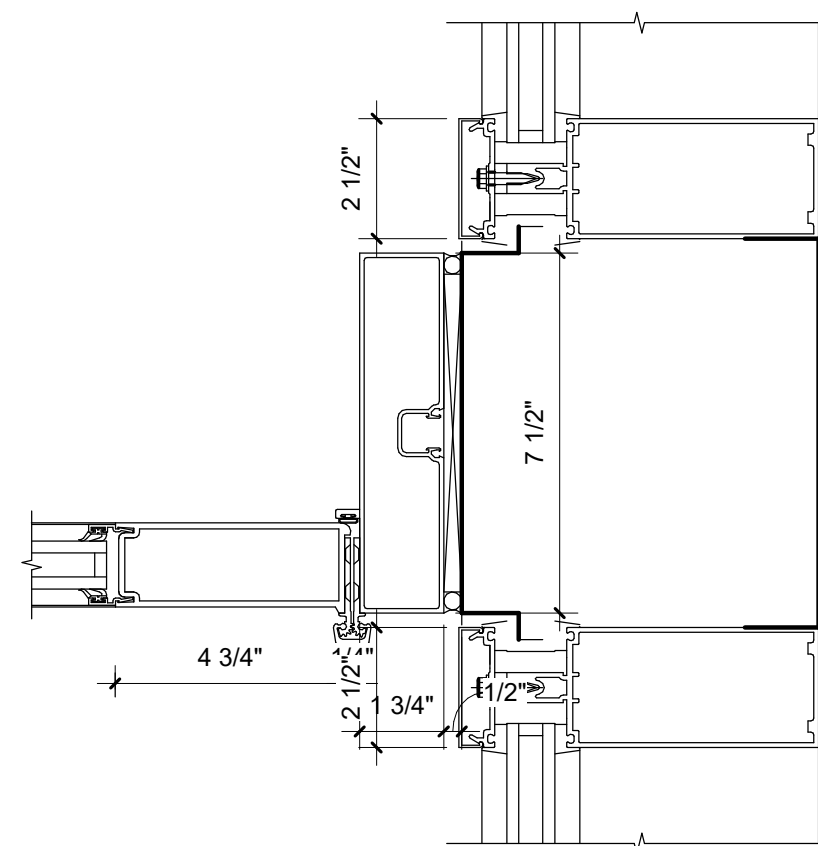
13 DOOR HINGE DETAIL 2
SCALE: 3" = 1'-0"



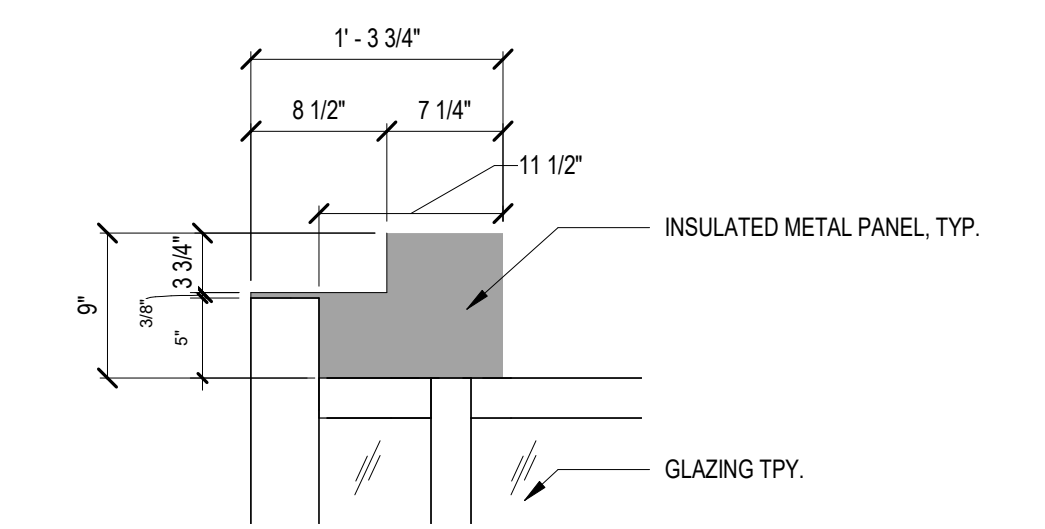
16 TYPICAL TRUSS PENETRATION
SCALE: 1" = 1'-0"



14 CORNER DETAIL INSIDE
SCALE: 3" = 1'-0"



15 DOOR HINGE DETAIL 3
SCALE: 3" = 1'-0"



17 SF-1 CORNER DETAIL
SCALE: 1" = 1'-0"

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CHECKED BY: E. CLAASSEN
DESIGN LEAD: EDWARD BARBOE, P.E.



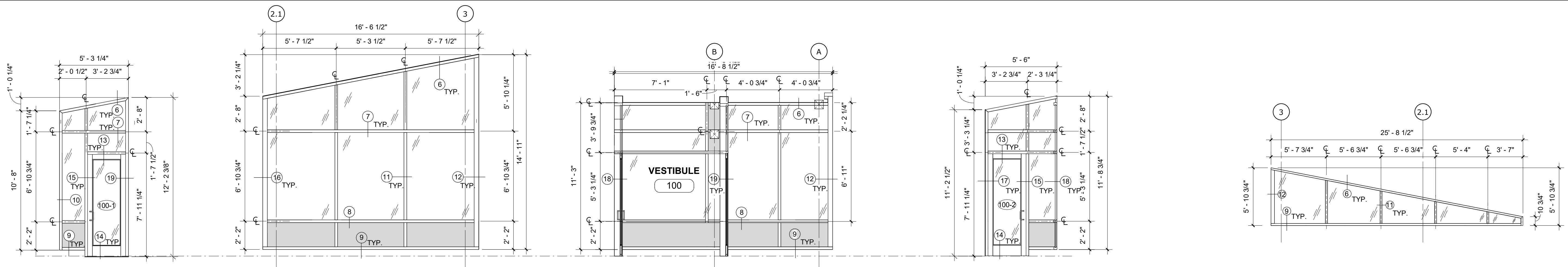
ACCOUNTABLE MANAGER
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PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL STOREFRONT DETAILS	
DATE: JANUARY 2021	SCALE:
SHEET NO: 68 OF No. 80	DRAWING NO. A1-508

Autodesk Docs/09290_02A_CAT-473 WFO-02A Waterfowl Mgmt Program/09290_02A_A_VFB.rvt 7/20/2021 10:25:56 AM



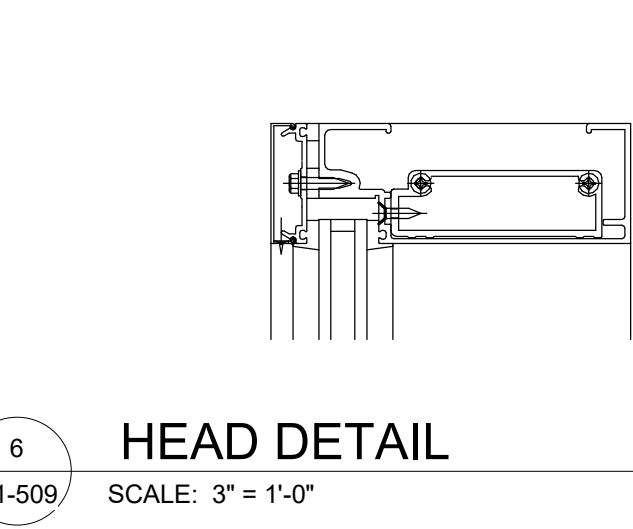
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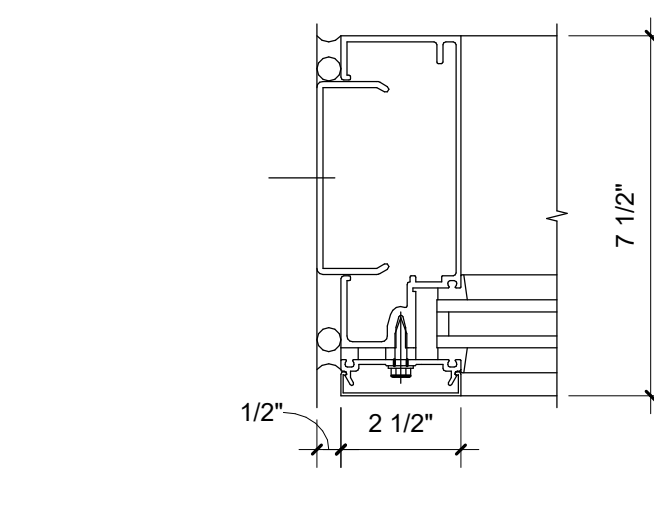
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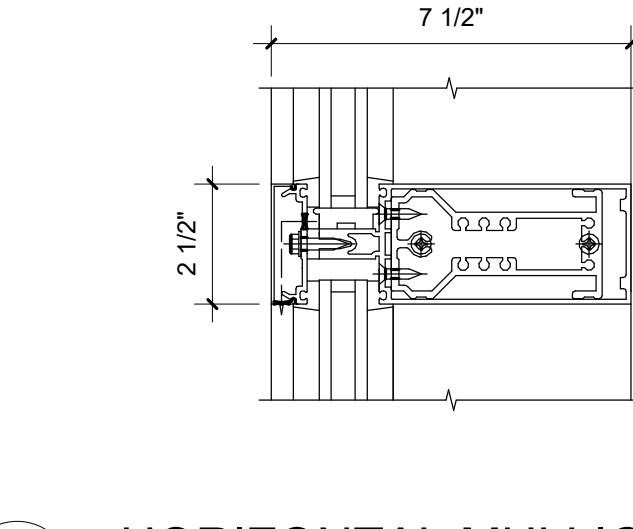
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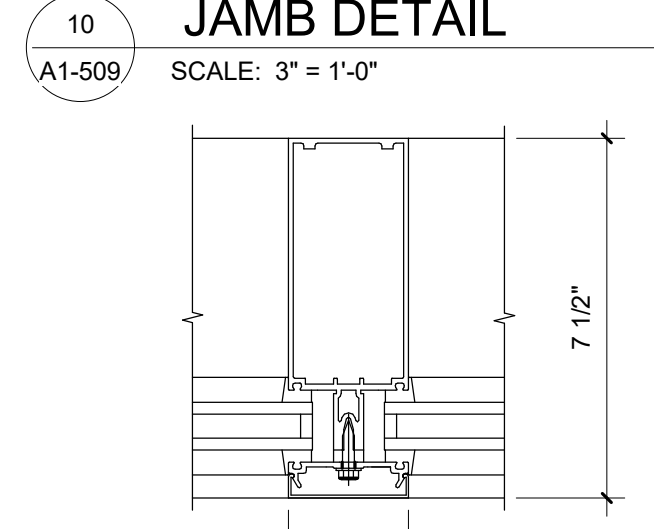
6 HEAD DETAIL
A1-509 SCALE: 3" = 1'-0"



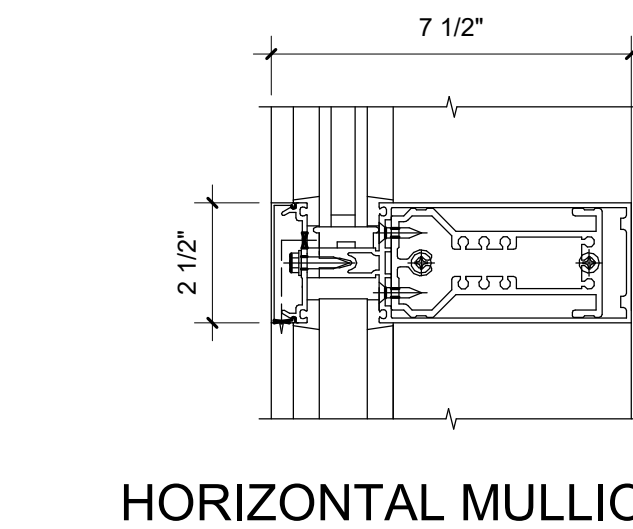
10 JAMB DETAIL
A1-509 SCALE: 3" = 1'-0"



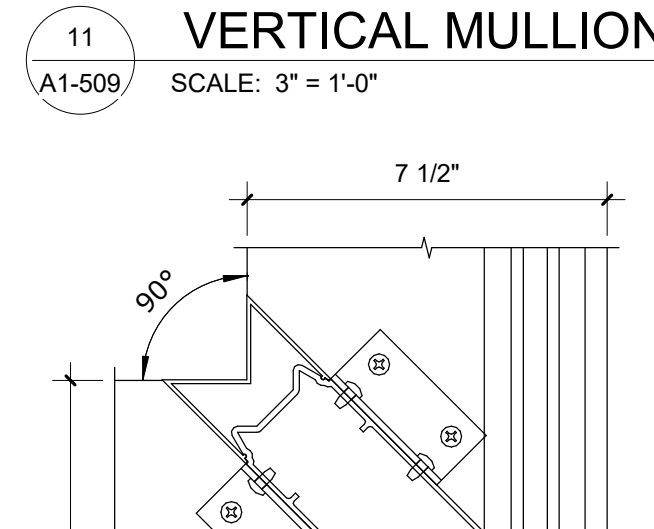
7 HORIZONTAL MULLION
A1-509 SCALE: 3" = 1'-0"



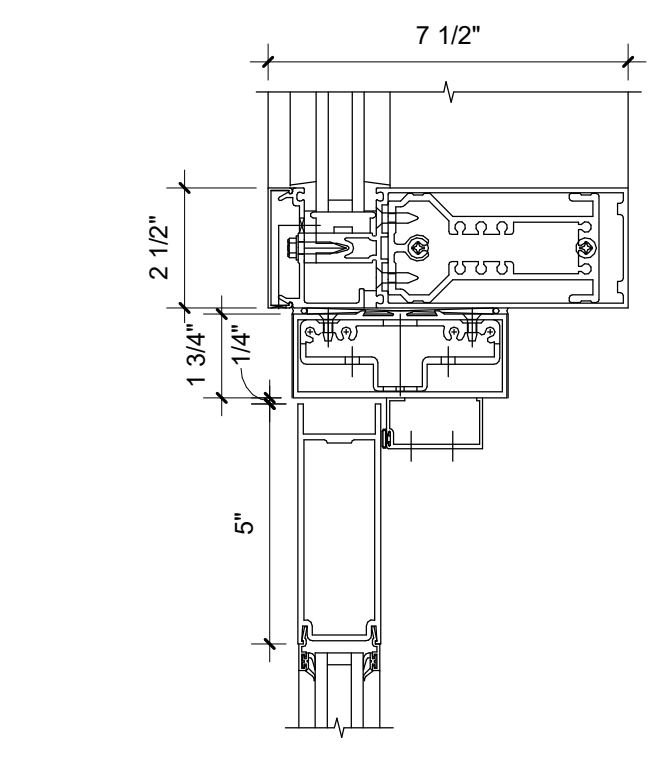
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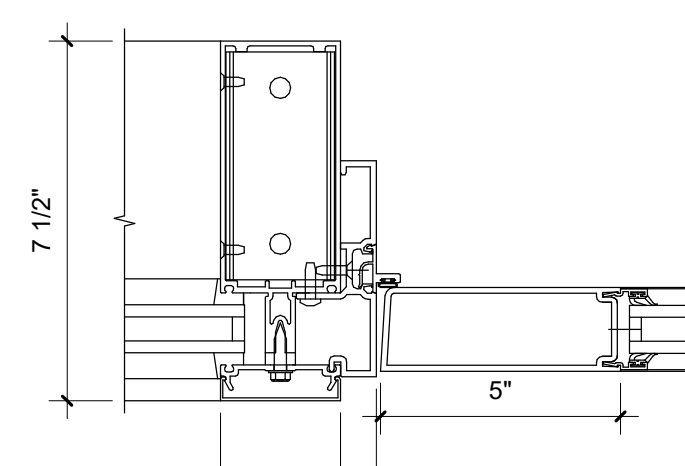
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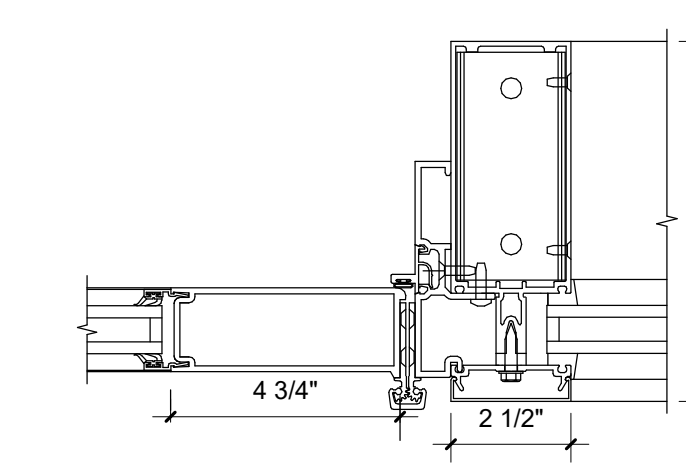
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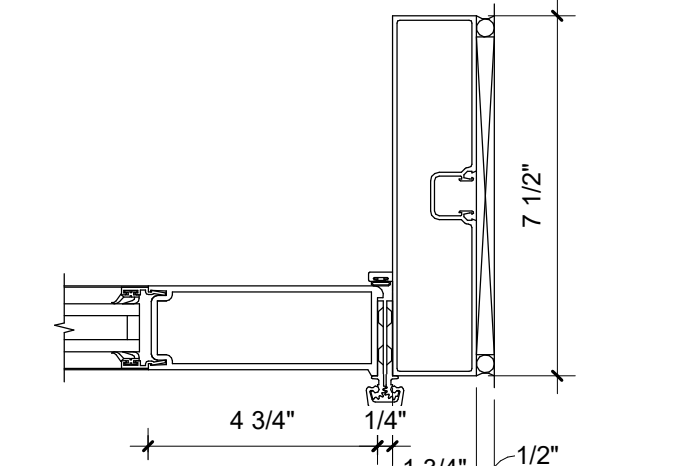
13 DOOR HEAD @ TRANSOM DETAIL
A1-509 SCALE: 3" = 1'-0"



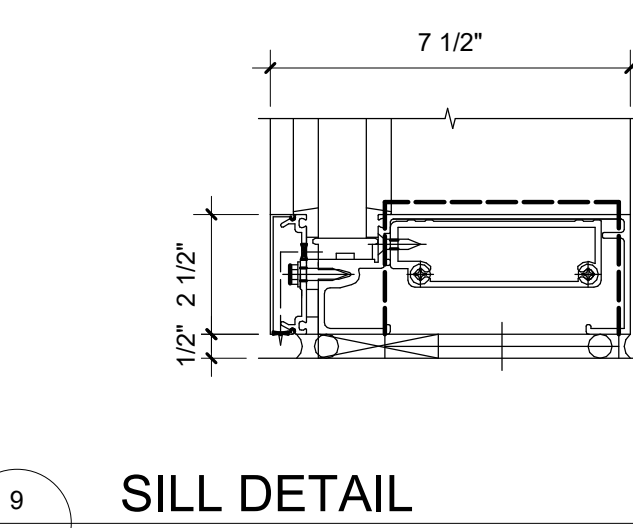
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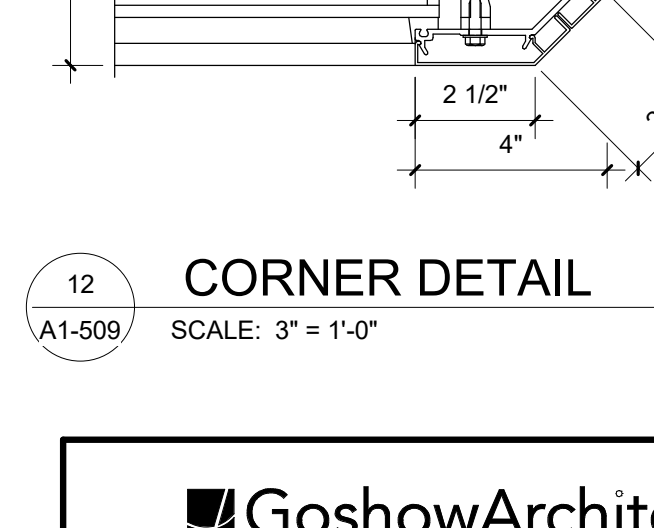
16 DOOR HINGE DETAIL
A1-509 SCALE: 3" = 1'-0"



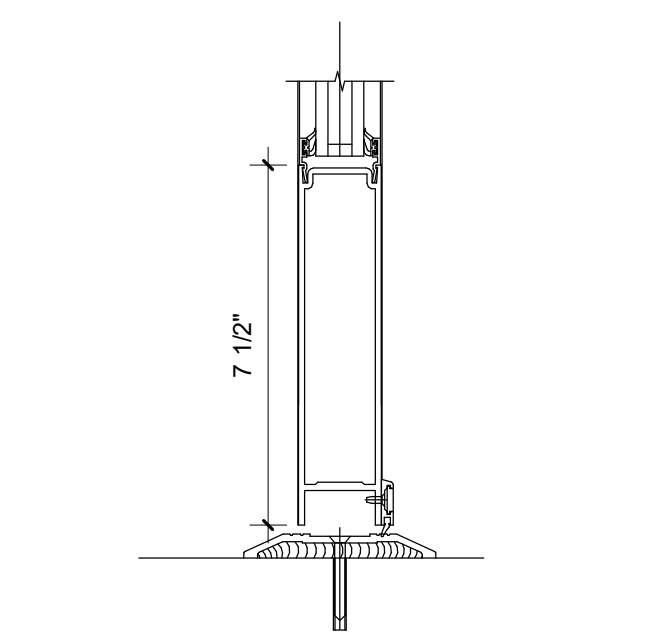
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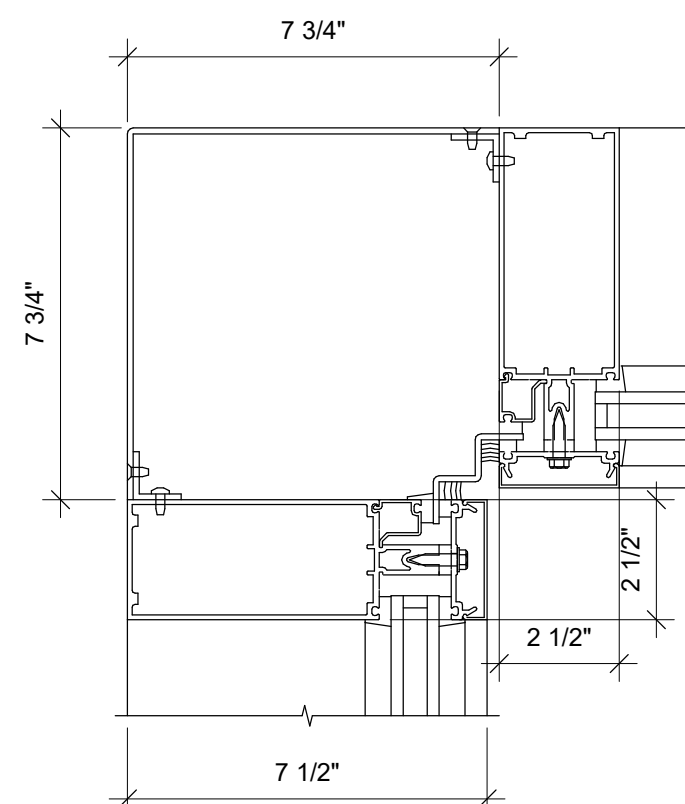
9 SILL DETAIL
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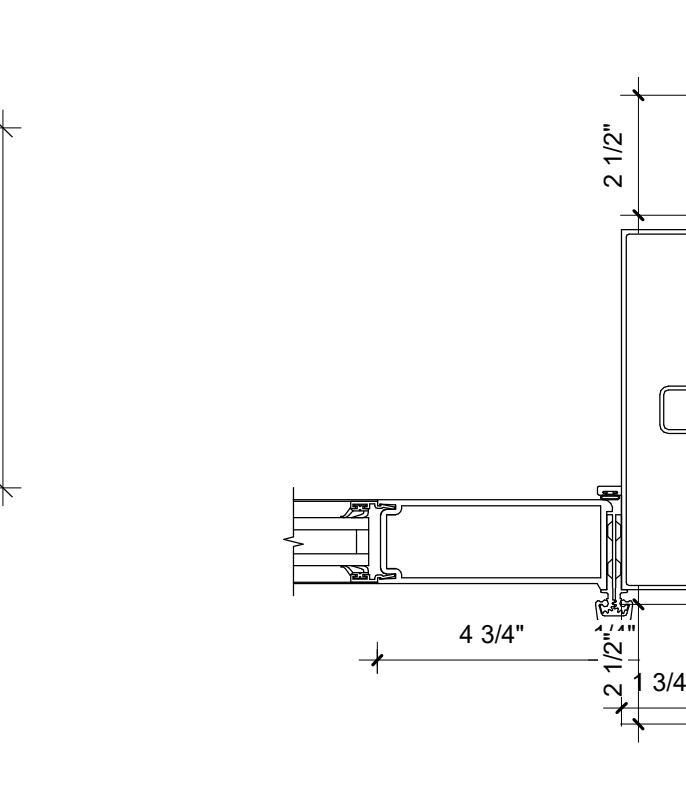
14 DOOR SILL DETAIL
A1-509 SCALE: 3" = 1'-0"



16 CORNER DETAIL INSIDE
A1-509 SCALE: 3" = 1'-0"



19 DOOR HINGE DETAIL 3
A1-509 SCALE: 3" = 1'-0"



19 DOOR HINGE DETAIL 3
A1-509 SCALE: 3" = 1'-0"

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CHECKED BY: E. CLAASSEN	DESIGN LEAD: EDWARD BARBOE, P.E.

Hazen

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ACCOUNTABLE MANAGER JOSE NIEVES
PORTFOLIO MANAGER MARK DELBALZO, P.E.

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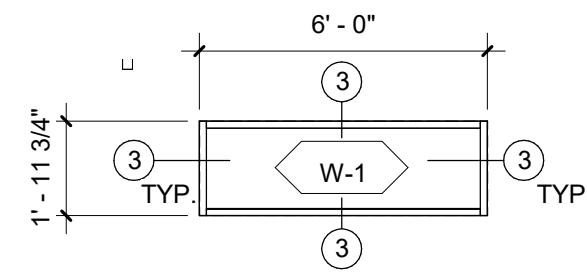
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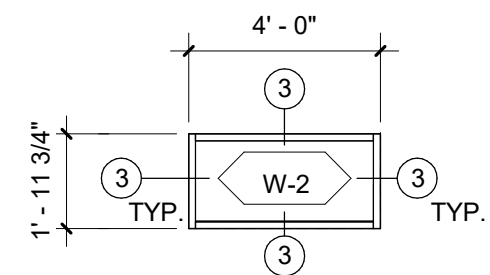
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2021
ARCHITECTURAL STOREFRONT DETAILS	SCALE:
	SHEET NO: 69 OF No. 80
	DRAWING NO. A1-509

Autodesk Docs/092906_02A_CAT-473 WFO-02A Waterfowl Mgmt Program/092906_02A_A_VFB.rvt
7/20/2023 10:26:03 AM

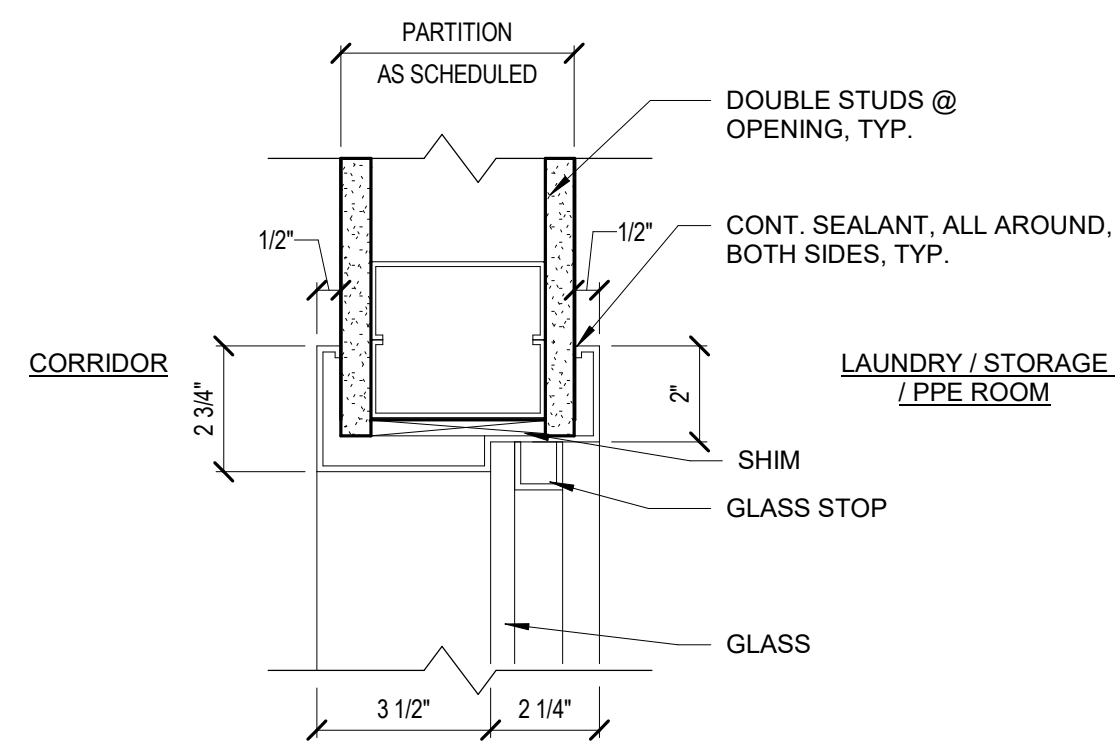
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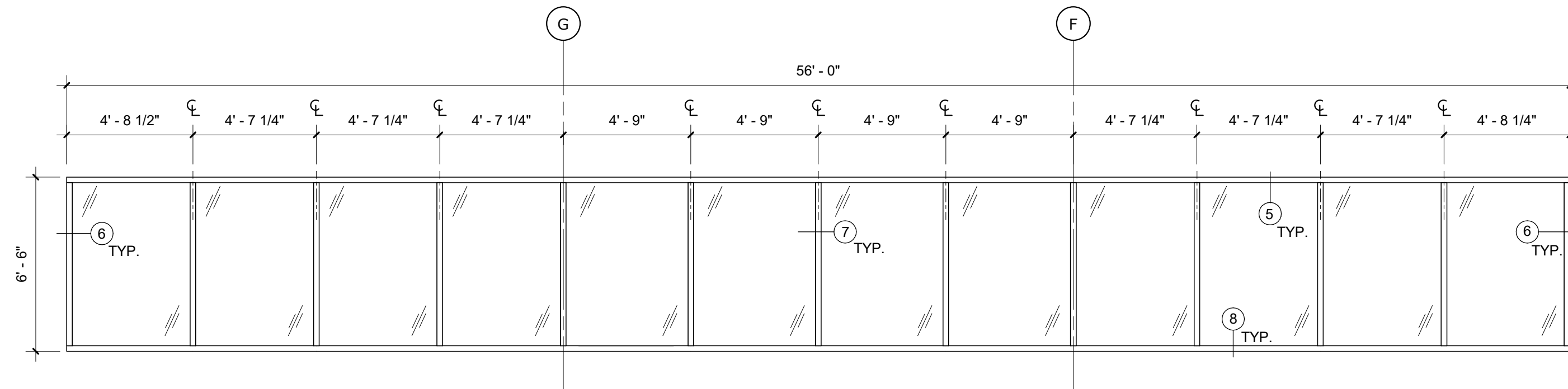
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A1-510 SCALE: 1/4" = 1'-0"



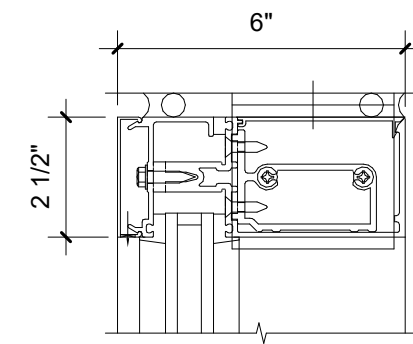
2 WINDOW 2 ELEVATION
A1-510 SCALE: 1/4" = 1'-0"



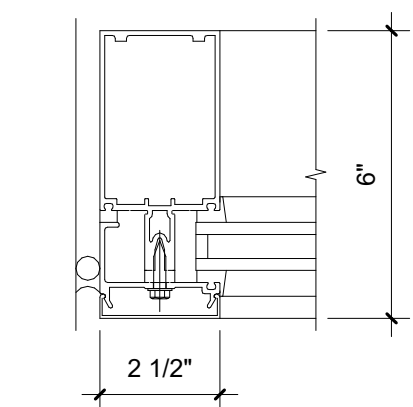
3 WINDOW HEAD / JAMB / SILL SIM.
A1-510 SCALE: 3" = 1'-0"



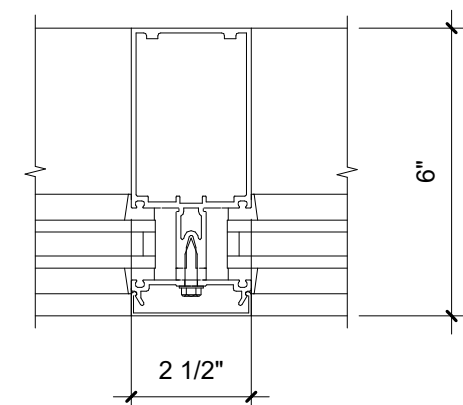
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A1-510 SCALE: 1/4" = 1'-0"



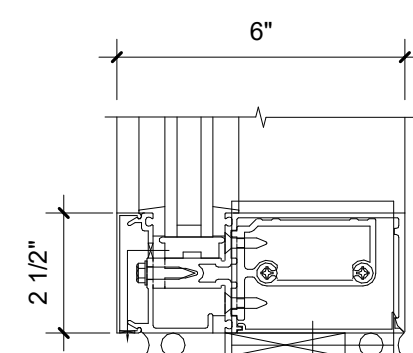
5 CLERESTORY HEAD DETAIL
A1-510 SCALE: 3" = 1'-0"



6 CLERESTORY JAMB DETAIL
A1-510 SCALE: 3" = 1'-0"



7 CLERESTORY VERTICAL MULLION
A1-510 SCALE: 3" = 1'-0"



8 CLERESTORY SILL DETAIL
A1-510 SCALE: 3" = 1'-0"

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AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
INTERIOR WINDOWS AND CLERESTORY ELEVATIONS
& DETAILS

DATE: JANUARY 2021

SCALE:

SHEET NO:

70 OF No. 80

DRAWING NO.

A1-510

FINISH SCHEDULE

NO.	DESCRIPTION	FLOOR		BASE	WALL-NORTH		WALL-EAST		WALL-SOUTH		WALL-WEST		WINDOW SHADE	CEILING			SIGNAGE TYPE (QTY)	REMARKS
		SUBSTRATE	FINISH		SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH		HEIGHT				
001	CORRIDOR	CONC	LVT	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	MTL PNL	VARIES	C (1)	
100	VESTIBULE	CONC	WM	VB-1	AL/GL	-	AL/GL	-	AL/GL	-	AL/GL	-	-	MTL DECK	MTL PNL	VARIES	D (1)	
101	SUPERVISOR OFFICE	CONC	LVT	VB-1	GWB	PT-1	AL/GL	-	AL/GL	-	AL/GL	-	YES	MTL DECK	MTL PNL	VARIES	B-1 (1)	MANUAL WINDOW SHADE TO BE PROVIDED, SEE DETAIL 2/A1-511
102	SWING OFFICES	CONC	LVT	VB-1	GWB	PT-1	AL/GL	-	AL/GL	-	AL/GL	-	YES	MTL DECK	MTL PNL	VARIES	B (1), D (1)	MANUAL WINDOW SHADE TO BE PROVIDED, SEE DETAIL 2/A1-511
103	KITCHENETTE	CONC	LVT	VB-1	GWB	PT-1	-	-	GWB	PT-1	CMB	CWT-2	-	MTL DECK	MTL PNL	VARIES	B (1)	
104	BREAK ROOM / TRAINING	CONC	LVT	VB-1	GWB	PT-1	AL/GL	-	AL/GL	-	AL/GL	-	YES	MTL DECK	MTL PNL	VARIES	B (1)	MANUAL WINDOW SHADE TO BE PROVIDED, SEE DETAIL 2/A1-511
105	MUD ROOM	CONC	WM	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	MTL PNL	VARIES	B (2), B-1 (1), D (1)	
105A	LAUNDRY/STORAGE	CONC	LVT	VB-1	GWB	PT-1	GWB, AL/GL	PT-1	GWB	PT-1	GWB	PT-1	NO	MTL DECK	MTL PNL	VARIES	B (1)	
105B	PPE ROOM	CONC	LVT	VB-1	GWB	PT-1	GWB, AL/GL	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	MTL PNL	VARIES	B (1), B-1 (1)	
106	PYROTEC STORAGE	CONC	LVT	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	GWB	PT-1	8'-6"	B (1), B-1 (1), E (1)	PROVIDE 1 HR RATED GYP. BD. CEILING ASSEMBLY, SEE CEILING DETAILS.
107	UNISEX RESTROOM	CONC	CFT	CB-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	-	GWB	PT-1	8'-6"	A-2 (1), B-1 (1)	
108	UNISEX SHOWER	CONC	CFT	CB-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	-	GWB	PT-1	8'-6"	A-2 (1), B-1 (1)	
109	JAN. CL.	CONC	CFT	CB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	GWB	PT-1	8'-6"	B-1 (1)	
110	UNISEX SHOWER	CONC	CFT	CB-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	GWB, CMB	PT-1, CWT-1	-	GWB	PT-1	8'-6"	A-1 (1), B-1 (1)	
111	IT/ELEC	CONC	CONC	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	PT-2	VARIES	B (1), B-1 (1)	
112	WORKSHOP	CONC	LVT	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	PT-2	VARIES	B (2), B-1 (2)	
113	DEP OFFICES	CONC	LVT	VB-1	GWB	PT-1	AL/GL	-	AL/GL	-	AL/GL	-	YES	MTL DECK	MTL PNL	VARIES	B (1), B-1 (1), D (1)	MANUAL WINDOW SHADE TO BE PROVIDED, SEE DETAIL 2/A1-511
114	MECH ROOM	CONC	CONC	VB-1	GWB	PT-1	GWB, AL/GL	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	PT-2	VARIES	B (1), B-1 (1)	
115	FUEL STORAGE	CONC	CONC	-	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	GWB	PT-1	8'-9"	E (1)	PROVIDE 1 HR RATED GYP. BD. CEILING ASSEMBLY, SEE CEILING DETAILS.
116	OUTDOOR STORAGE	CONC	CONC	-	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	-	MTL DECK	PT-2	VARIES	B (1), B-1 (1)	
117	BOAT WASH	CONC	SEF	PVC	PVC	-	PVC	-	PVC	-	PVC	-	-	PVC	-	VARIES	B (1), D (1)	

FINISH SCHEDULE LEGEND

SUBSTRATES

- CMB: CEMENT BOARD. SEE PLANS AND PARTITION SCHEDULE
- CONC: 1/2" SELF-LEVELING CONCRETE
- GWB: GYPSUM WALL BOARD. SEE PLANS AND PARTITION SCHEDULE
- OPEN: OPEN TO ABOVE

FLOOR FINISHES

- CFT: CERAMIC TILE 4" X 4"
- CONC: CLEAR SEALED CONCRETE
- LVT: LUXURY VINYL TILE 12" X 24"
- SEF: SEAMLESS EPOXY FLOORING

BASE FINISHES

- CB-1: CERAMIC COVE BASE
- VB-1: VINYL COVE BASE - 4"
- PVC: PVC BASE TRIM

WALL FINISHES

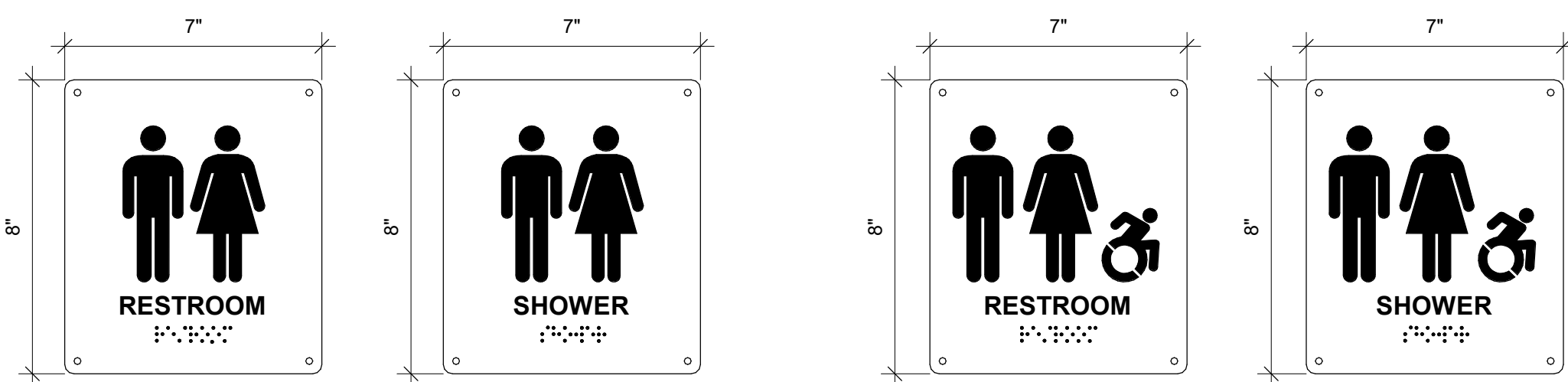
- CWT-1: CERAMIC WALL TILE
- CWT-2: CERAMIC TILE BACKSPLASH
- PT-1: WALL PAINT
- AL/GL: ALUMINUM / GLASS STOREFRONT
- PVC: PVC PANEL

CEILING FINISHES

- MTL PNL: LINEAR METAL PANEL CEILING
- PT-2: CEILING PAINT
- PVC: PVC PANEL

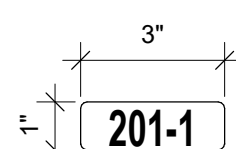
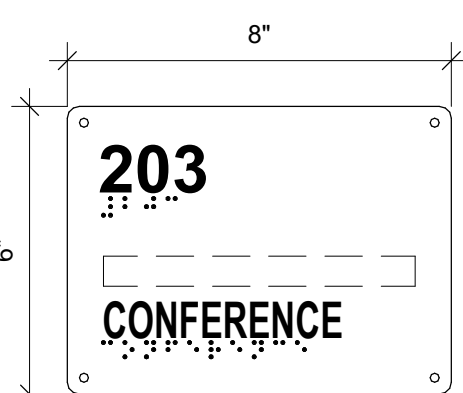
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1. ALL SUBSTRATES SHALL BE PREPPED PER FLOOR FINISH MANUFACTURER'S REQUIREMENTS.



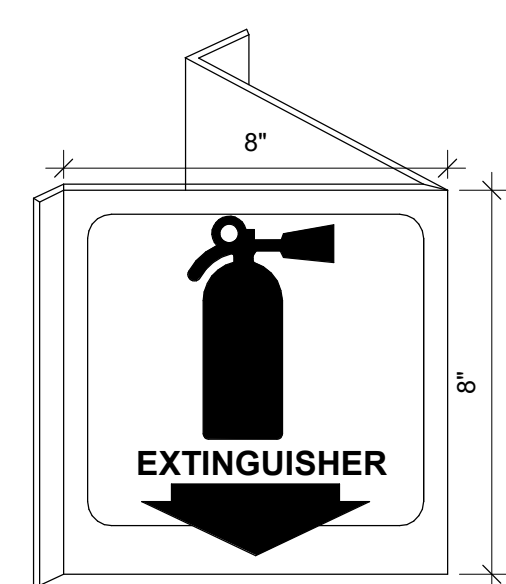
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TYPE A-2:
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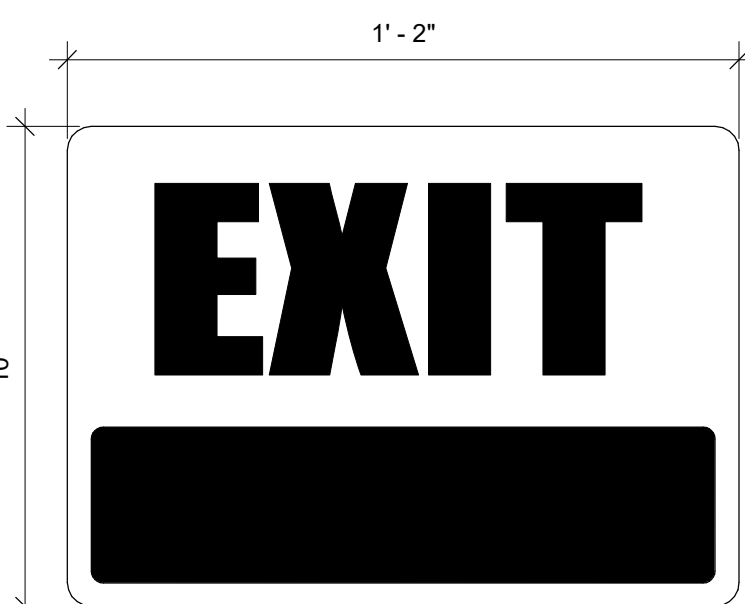


TYPE B:
ROOM NAME & NUMBER

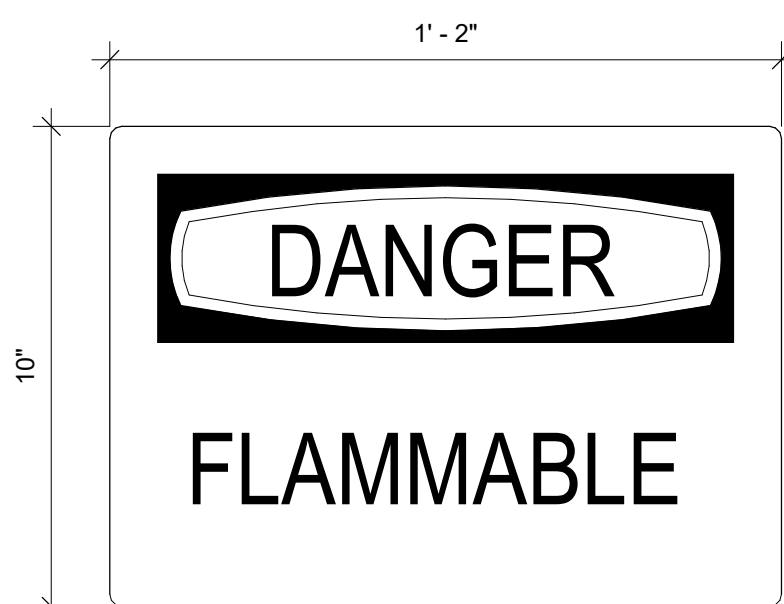
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ROOM NUMBER



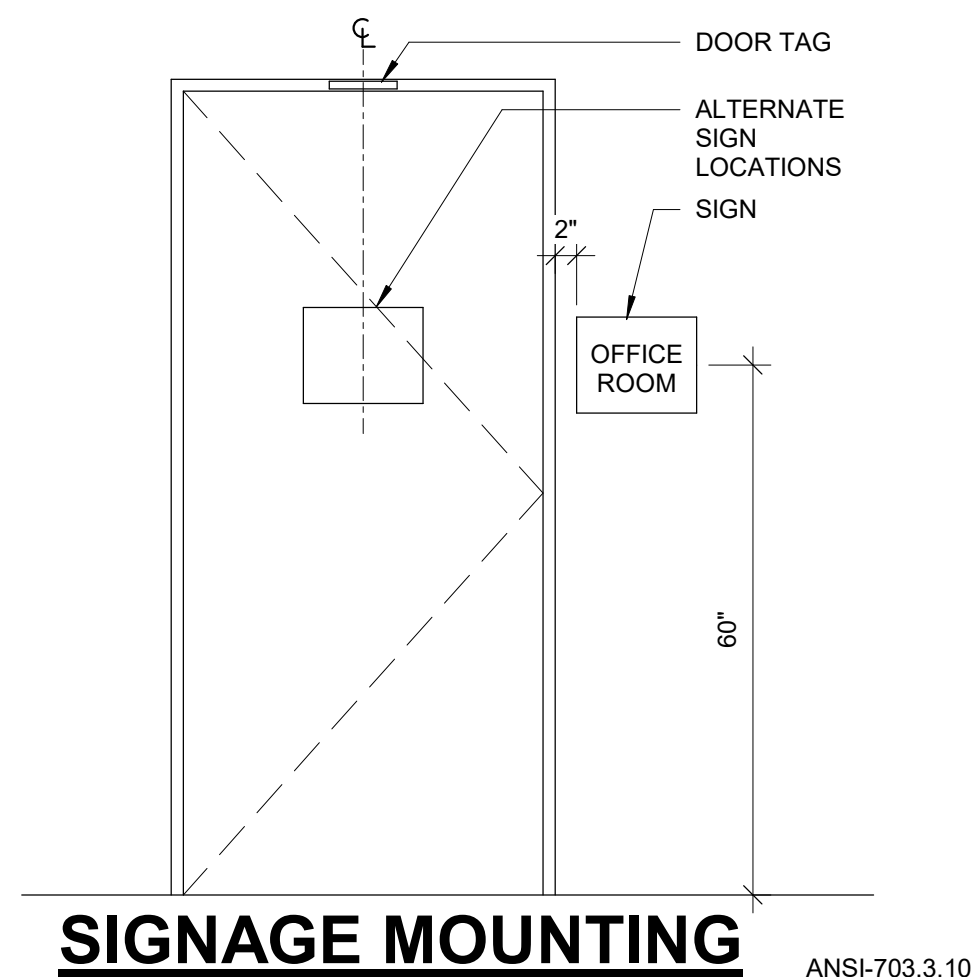
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FIRE EXTINGUISHER



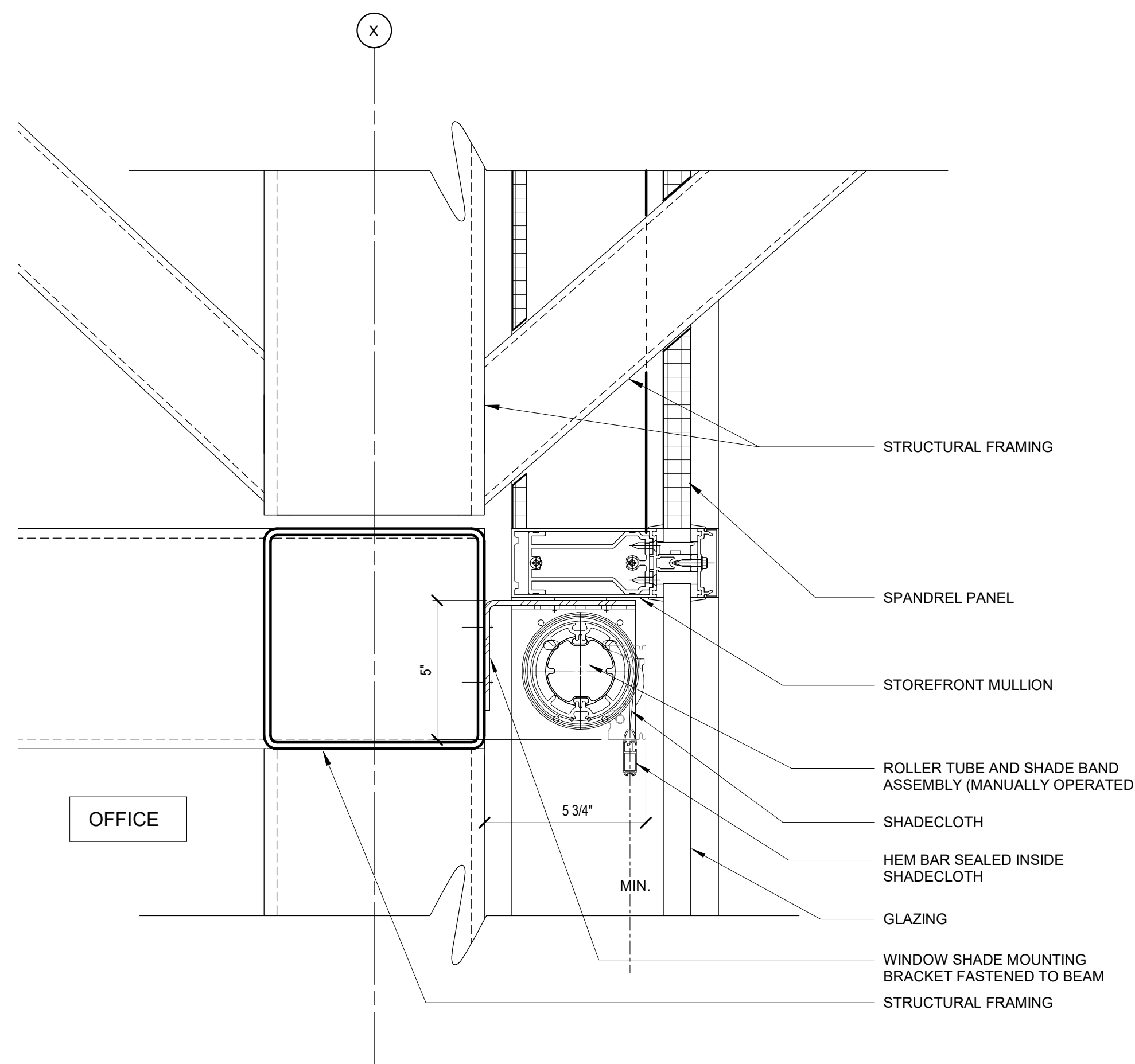
TYPE D:
EXIT



TYPE E:
DANGER



- NOTE:**
1. PROVIDE EQUIVALENT INFORMATION IN TACTILE TEXT DESCRIPTOR COMPLYING WITH ICC A117.1.



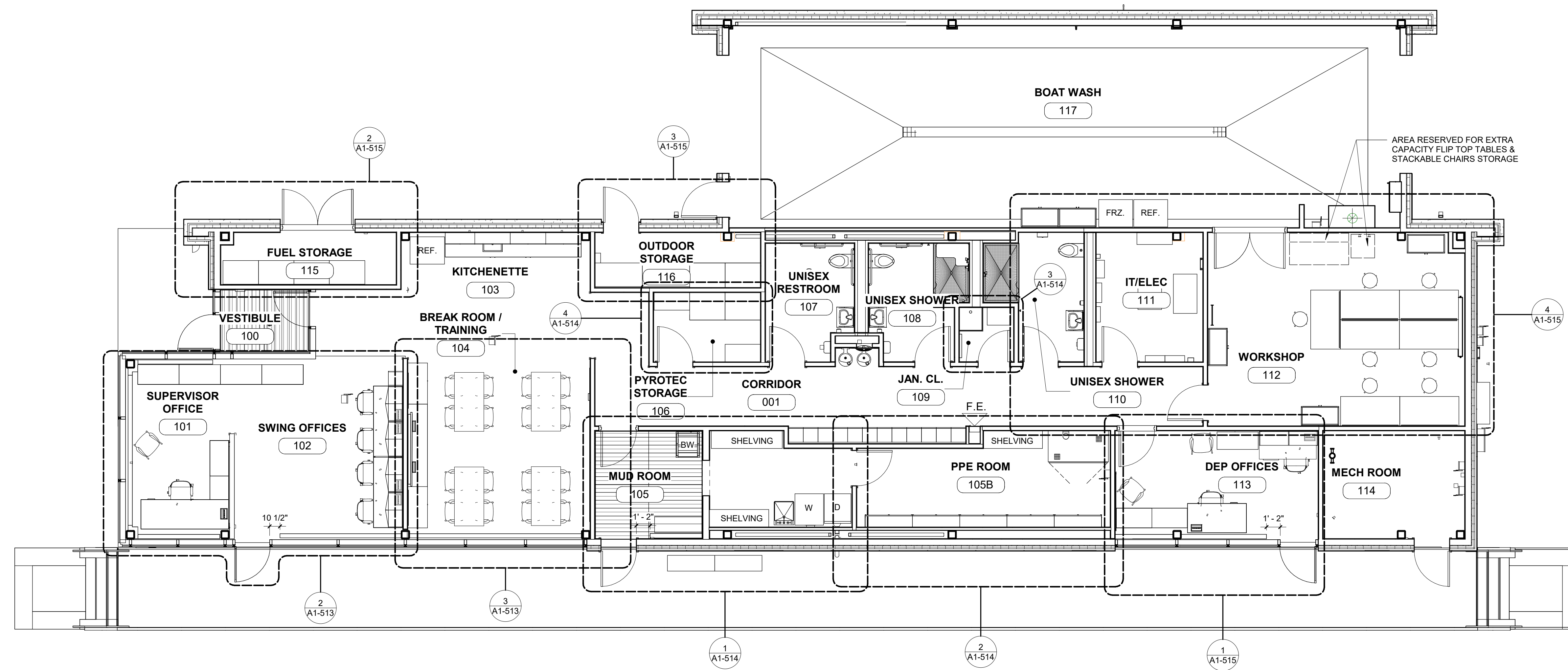
SECT DETAIL - TYP. WINDOW SHADE CURTAIN WALL @ TRUSS

2
A1-511 SCALE: 3" = 1'-0"

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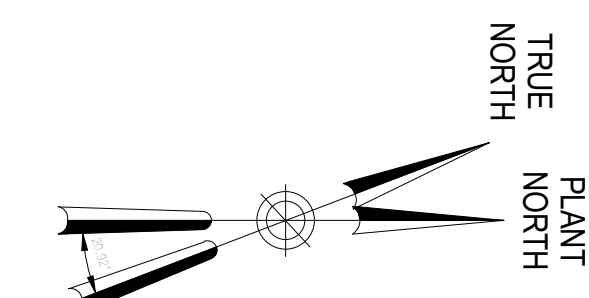
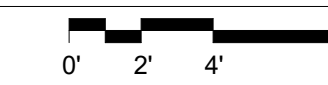
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CHECKED BY: E. CLAASSEN		DESIGN LEAD: EDWARD BARBOE, P.E.	
ACCOUNTABLE MANAGER JOSE NIEVES		PORTFOLIO MANAGER MARK DELBALZO, P.E.	
NO. DATE		CONFORMED	
REVISIONS/DESCRIPTION		CR APPRD	
A 7/23		CONFORMED	
NO. DATE		CR APPRD	
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL FINISH SCHEDULE, SIGNAGE AND DETAILS		NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep	
DATE: JANUARY 2021		SCALE:	
SHEET NO:		71 OF No. 80	
DRAWING NO.		A1-511	

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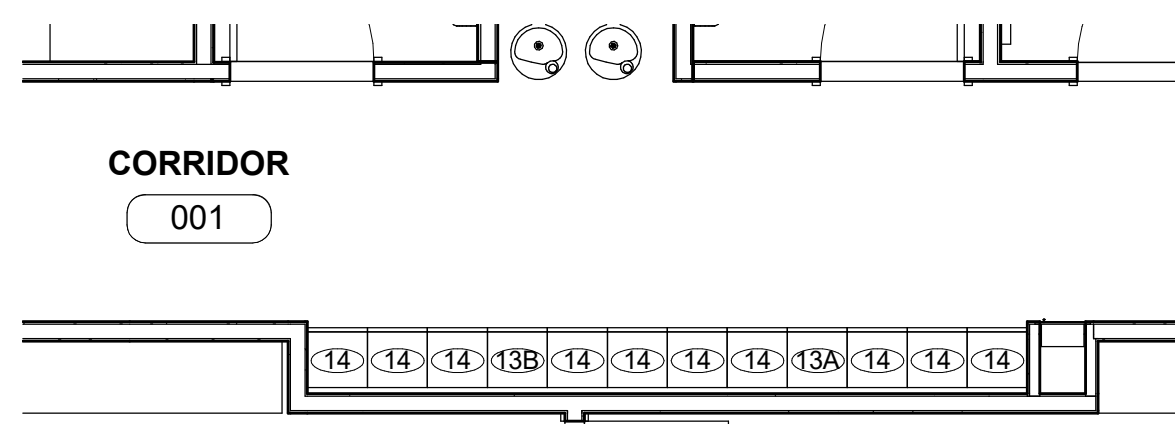
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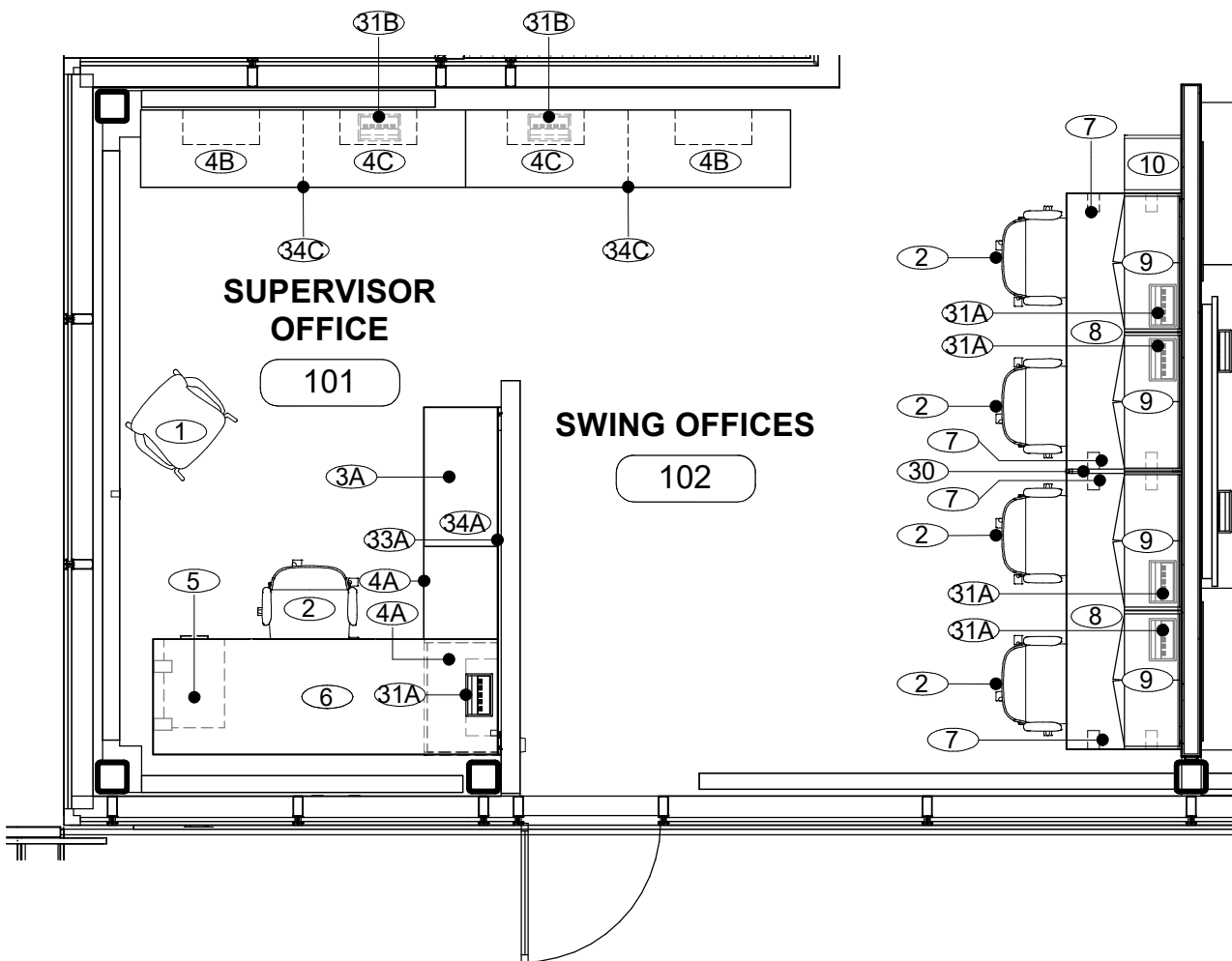
 20 W 22nd St, Suite 901 New York, NY 10010 P 212.242.3735		 NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep		CONFORMED SET GRAPHIC SCALES CHECK BEFORE USE IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ARCHITECTURAL FURNITURE PLAN	DATE: JANUARY 2021 SCALE: SHEET NO: 72 OF No. 80 DRAWING NO. A1-512
DESIGNED BY:	J. HYUN	DRAWN BY:	S. KINARD			
CHECKED BY:	E. CLAASSEN	DESIGN LEAD:	EDWARD BARBOE, P.E.			
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D			
A	7/23	CONFORMED	CR			

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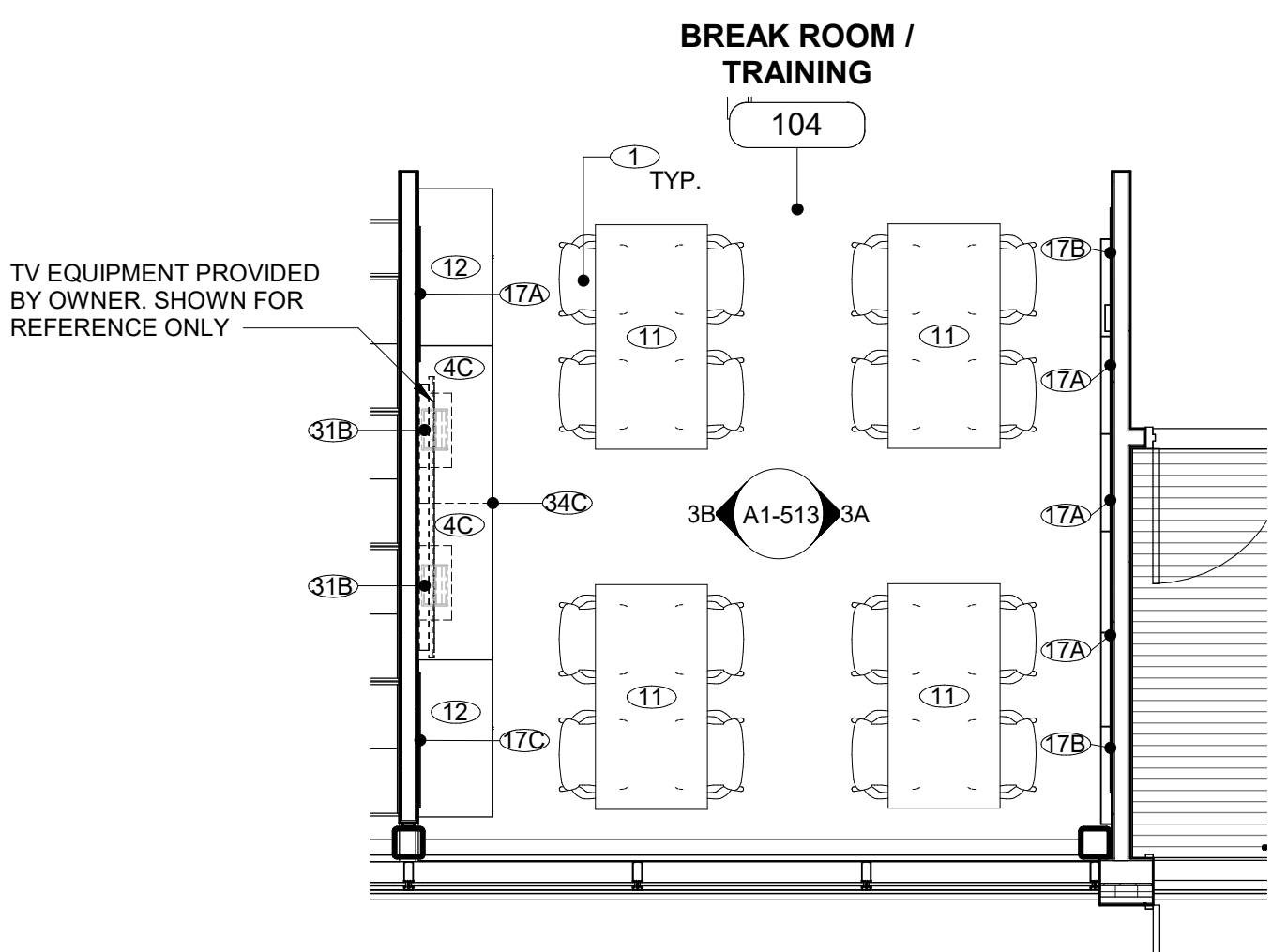
CORRIDOR 001 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO.	DESCRIPTION	SIZE	QUANTITY	NOTES
001				
13A	SINGLE TIER LOCKER	15" W x 15" D x 72" H	1	ASI STORAGE SOLUTIONS - TRADITIONAL PLUS COLLECTION (PROVIDE 4" BASE AND TRIM PIECES)
13B	SINGLE TIER ADA LOCKER	15" W x 15" D x 72" H	1	ASI STORAGE SOLUTIONS - TRADITIONAL PLUS COLLECTION (PROVIDE 4" BASE AND TRIM PIECES)
14	DOUBLE TIER LOCKERS	15" W x 15" D x 72" H	10	ASI STORAGE SOLUTIONS - TRADITIONAL PLUS COLLECTION (PROVIDE 4" BASE AND TRIM PIECES)

1 CORRIDOR LOCKERS - FURNITURE PLAN
A1-513 SCALE: 1/4" = 1'-0"



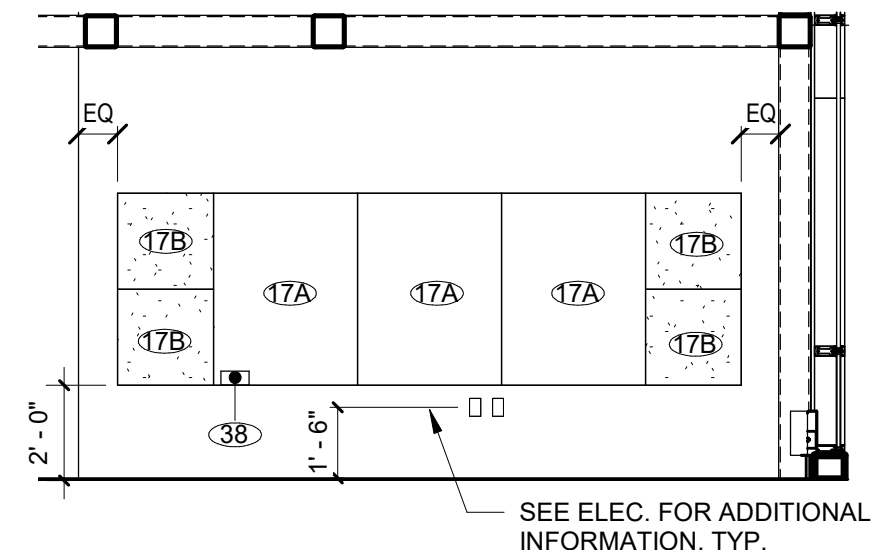
SUPER OFFICE 101 & SWING OFFICES 102 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO.	DESCRIPTION	SIZE	QUANTITY	NOTES
101				
1	CHAIR 4-LEG BASE		1	HERMAN MILLER - KNN4SPFSG989898, RIVET LAGOON
2	WORK CHAIR		1	HERMAN MILLER - CQ5-1-M-A-G1-L7-HCC-NNN
3A	MODULAR STORAGE UNITS	30" W x 18" D x 27" H	1	HERMAN MILLER - 24-30-20-2N-SS-8Q-TL-8Q-8Q-B3-CB-9P
4A	OPEN SHELVING UNITS	30" W x 18" D x 27" H	2	HERMAN MILLER - PSC-30-20-B-N
4B	OPEN SHELVING UNITS	42" W x 20" D x 29.5" H	1	HERMAN MILLER - PSC-42-20-B-N
4C	OPEN SHELVING UNITS POWERED	42" W x 20" D x 29.5" H	1	HERMAN MILLER - PSC-42-20-B, PROVIDE ALL FURNITURE MOUNTED ELECTRICAL CONNECTIONS
5	PEDESTAL STORAGE UNIT	15" W x 18" D x 27" H	1	HERMAN MILLER - FF10-K-24-BBF-2-L-NT
6	ADJUSTABLE STANDING DESK	84" W x 30" D x 29" H	1	HERMAN MILLER - DU6AT-S-30-84-L-E
7	SQUARE OPEN SUPPORT LEG	30" W x 27 1/4" H	1	HERMAN MILLER - FVD2D-S-30-F-L-R-G1
31A	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	1	HERMAN MILLER - Y1325-3-A-10-G-OK
31B	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	1	HERMAN MILLER - Y1329-3-H-04-OJ
33A	GLASS BACK PANEL	90" W x 23 1/2" H	1	FV-970-WM-G-23A-90
34A	FILE TOP	60" W x 20" D x 1" H	1	TP-L-60-20-98
34C	FILE TOP	84" W x 20" x 1" H	1	TP-L-84-20-98
102				
2	WORK CHAIR		4	HERMAN MILLER - CQ5-1-M-A-G1-L7-HCC-NNN
4B	OPEN SHELVING UNITS	42" W x 20" D x 29.5" H	1	HERMAN MILLER - PSC-42-20-B-N
4C	OPEN SHELVING UNITS POWERED	42" W x 20" D x 29.5" H	1	HERMAN MILLER - PSC-42-20-B, PROVIDE ALL FURNITURE MOUNTED ELECTRICAL CONNECTIONS
7	SQUARE OPEN SUPPORT LEG	30" W x 27 1/4" H	4	HERMAN MILLER - FVD2D-S-30-F-L-R-G1
8	FIXED SEATED DESKS	72" W x 30" D x 29" H	2	HERMAN MILLER - FT-S10-30-72-L-F-91
9	OVERHEAD STORAGE UNITS	36" W x 15" D x 15" H	4	HERMAN MILLER - FV43P-WM-15-36-L-L-KA
10	VERTICAL SHELVING UNIT	15" W x 15" D x 68" H	1	HERMAN MILLER - FF54M-68-15-2-ND-L-L-N
30	PRIVACY PANEL	30" W x 12 1/2" H	1	HERMAN MILLER - GN-SP-N-T-BK-G1
31A	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	4	HERMAN MILLER - Y1325-3-A-10-G-OK
31B	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	1	HERMAN MILLER - Y1329-3-H-04-OJ
34C	TABLE TOP	84" W x 20" x 1" H	1	TP-L-84-20-98

2 SUPERVISOR OFFICE & SWING OFFICES - FURNITURE PLAN
A1-513 SCALE: 1/4" = 1'-0"

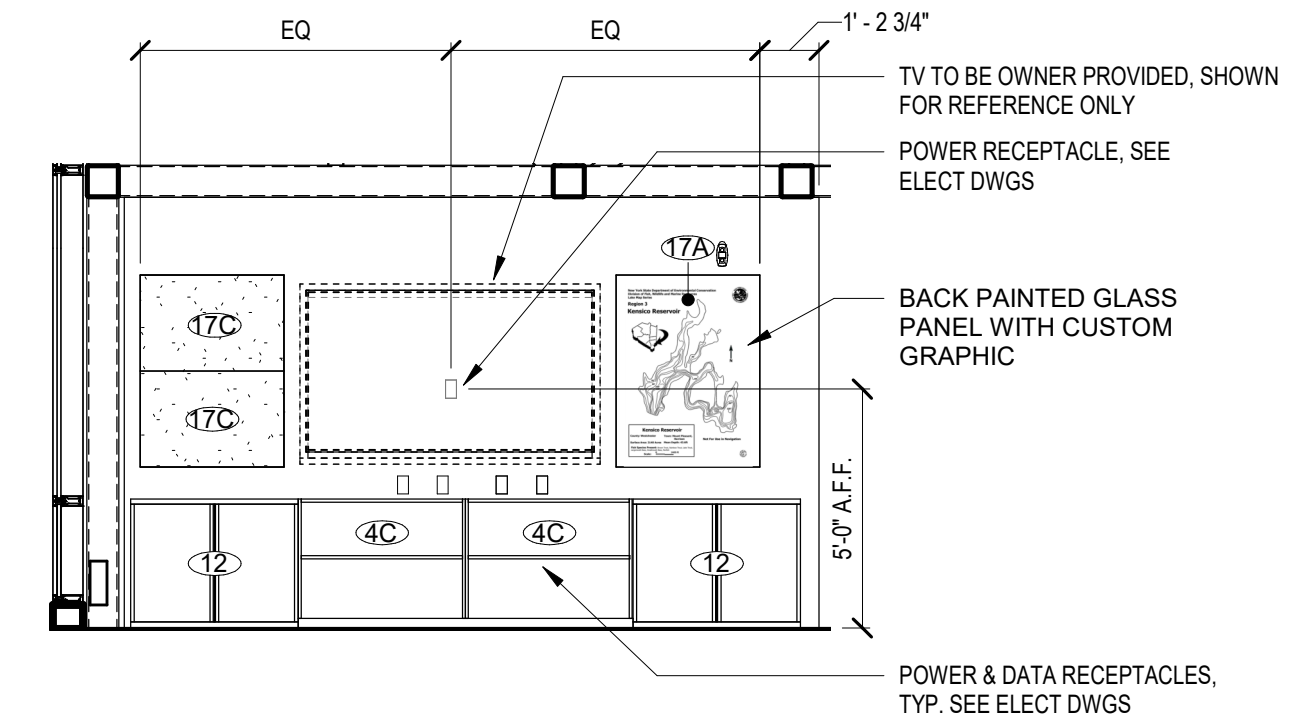


BREAK ROOM / TRAINING 104 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO.	DESCRIPTION	SIZE	QUANTITY	NOTES
104				
1	CHAIR 4-LEG BASE		24	HERMAN MILLER - KNN4SPFSG989898, RIVET LAGOON
4C	OPEN SHELVING UNITS POWERED	42" W x 20" D x 29.5" H	2	HERMAN MILLER - PSC-42-20-B, PROVIDE ALL FURNITURE MOUNTED ELECTRICAL CONNECTIONS
11	RECTANGULAR TABLE	42" W x 30" D x 29.5" H	6	HERMAN MILLER - DT5A-S-30-60-L-98, (TWO TABLES NOW SHOWN IN PLAN)
12	BEVEL PULL STORAGE CASE	42" W x 30" D x 29.5" H	2	HERMAN MILLER - 46-42-20-29
17A	BACK PAINTED GLASS	36" W x 48" H	4	Y7232-S-48-36-M
17B	TACK BOARDS	24" W x 24" H	4	HERMAN MILLER - FV980-WM-24-24-T
17C	TACK BOARDS	36" W x 24" H	2	HERMAN MILLER - FV980-WM-24-36-T
31B	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	2	HERMAN MILLER - Y1329-3-H-04-OJ
34C	FILE TOP	84" W x 20" x 1" H	1	TP-L-84-20-98
38	MARKER ERASER HOLDER	7" W x 1 7/8" D x 2 1/2" H	1	HERMAN MILLER - Y7231-91

3 BREAK ROOM / TRAINING - FURNITURE PLAN
A1-513 SCALE: 1/4" = 1'-0"



3A BREAKROOM - INTERIOR ELEVATION
A1-513 SCALE: 1/4" = 1'-0"



3B BREAKROOM - INTERIOR ELEVATION
A1-513 SCALE: 1/4" = 1'-0"

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DESIGN LEAD:
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Hazen



ACCOUNTABLE MANAGER
JOSE NIEVES

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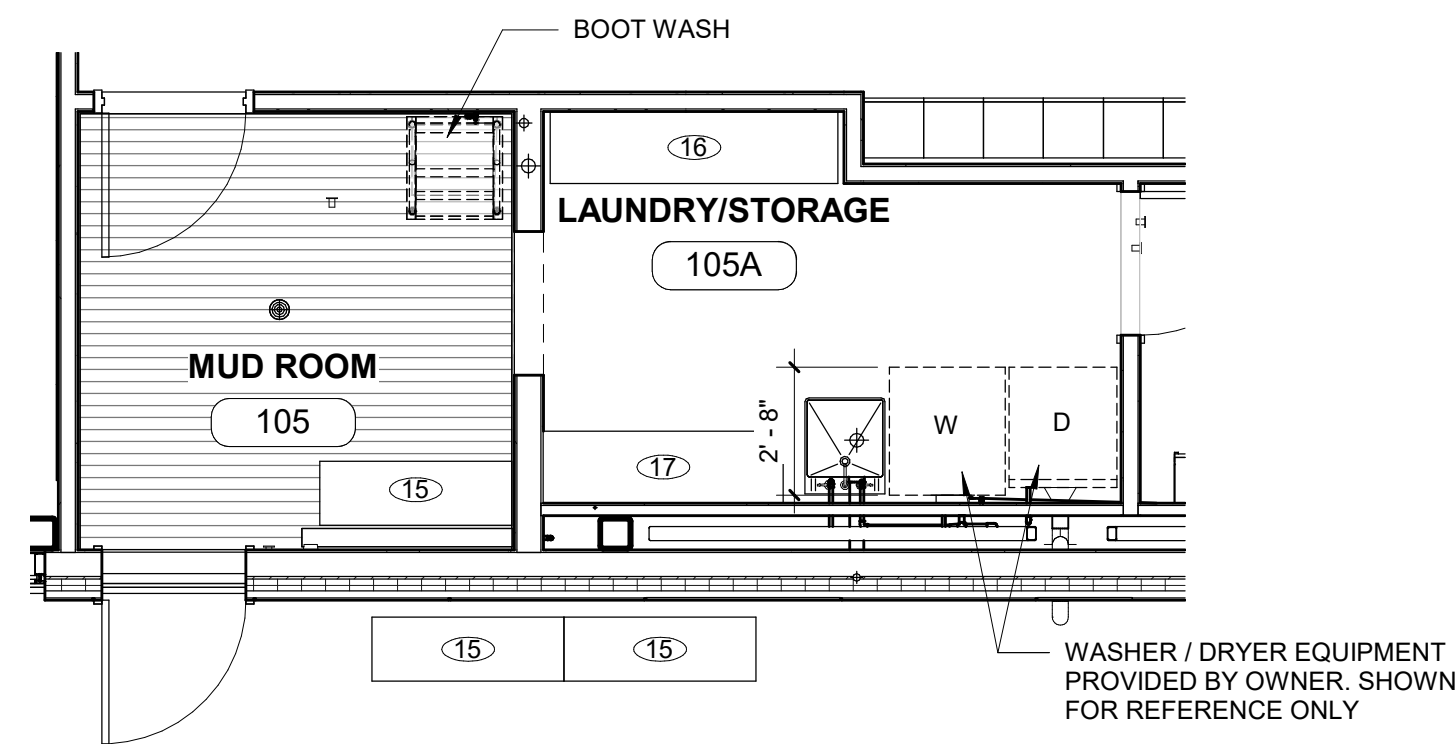
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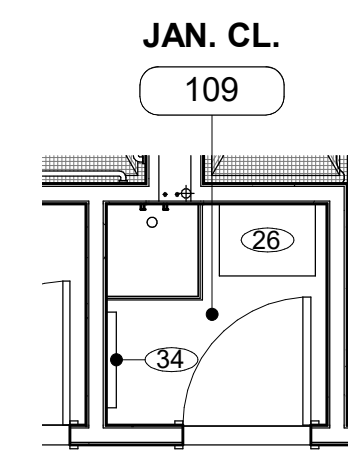
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2021
ARCHITECTURAL ENLARGED FURNITURE PLANS & SCHEDULES	SCALE: SHEET NO: 73 OF No. 80
	DRAWING NO. A1-513

Autodesk Docs/09290-02A_CAD-473 WFO-02A Waterfowl Mgmt Program/09290-02A_A_VFB.rvt 7/20/2023 10:29:20 AM

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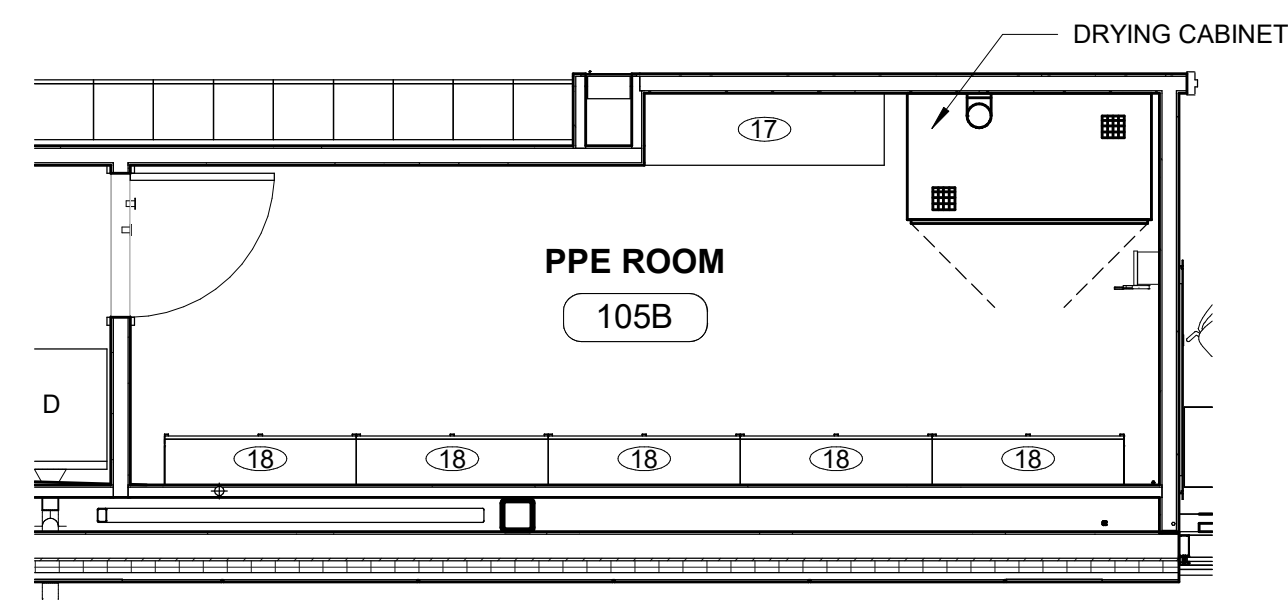
MUDROOM 105 & LAUNDRY / STORAGE 105A FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
105				
15	SKYLINE 4FT STAINLESS STEEL BENCH	50" W x 22" D x 22" H	3	COMMERCIAL ZONE PRODUCTS: 725229 (2 BENCHES OUTSIDE ON PORCH)
105A				
16	BULK STORAGE RACK	72" W x 18" D x 72" H	1	LYON - SHELVING PRODUCTS - 63518-63183-62172-65818 (DECKING TO BE CUSTOM TO 18" D)
17	BULK STORAGE RACK	60" W x 18" D x 72" H	1	LYON - SHELVING PRODUCTS - 63518-63183-62160-65818 (DECKING TO BE CUSTOM TO 18" D)



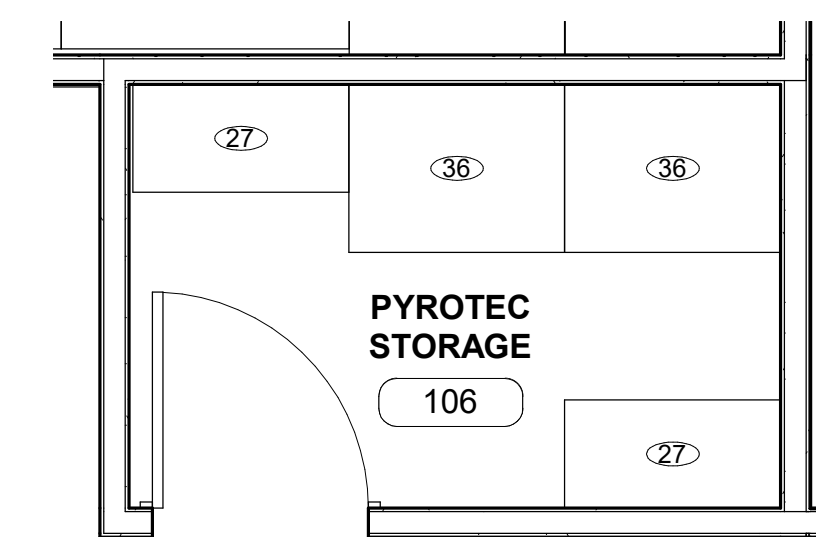
JAN. CLO. 109 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
109				
26	HEAVY DUTY WIRE SHELVING	24" W x 18" D x 72" H	1	ULINE: H-2423-72
34	BROOM / MOP HOLDERS	24" W x 3" D x 4" H	1	ULINE: H-2840

1 MUD ROOM & LAUNDRY / STORAGE - FURNITURE PLAN
A1-514 SCALE: 1/4" = 1'-0"

3 JAN. CLO. FURNITURE PLAN
A1-514 SCALE: 1/4" = 1'-0"



PPE ROOM 105B FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
105B				
17	BULK STORAGE RACK	60" W x 18" D x 72" H	1	LYON - SHELVING PRODUCTS - 63518-63183-62160-65818 (DECKING TO BE CUSTOM TO 18" D)
18	WALL MOUNTED CLOSET ROD & SHELF UNITS	48" W x 13" D	5	ULINE - H-2515



PYROTECH STORAGE, 106 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
106				
27	SHELVES	36" W x 18" D x 84" H	2	LYON SHELVING PRODUCTS - 8038SM
36	PYROTECHNIC MAGAZINE	36" W x 28" D x 42" H	2	

2 PPE - FURNITURE PLAN
A1-514 SCALE: 1/4" = 1'-0"

4 PYROTECH STORAGE - FURNITURE PLAN
A1-514 SCALE: 3/8" = 1'-0"

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DESIGN LEAD:
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ACCOUNTABLE MANAGER
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MARK DELBALZO, P.E.

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AND PAVING
MOUNT PLEASANT, NEW YORK
ARCHITECTURAL
ENLARGED FURNITURE PLANS & SCHEDULES

DATE: JANUARY 2021

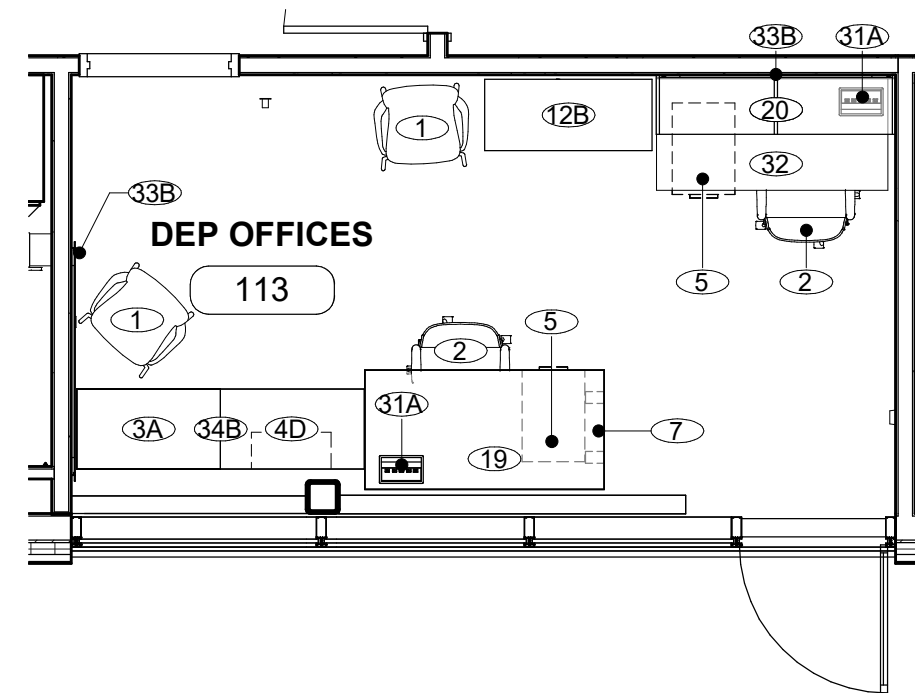
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SHEET NO:

74 OF No. 80

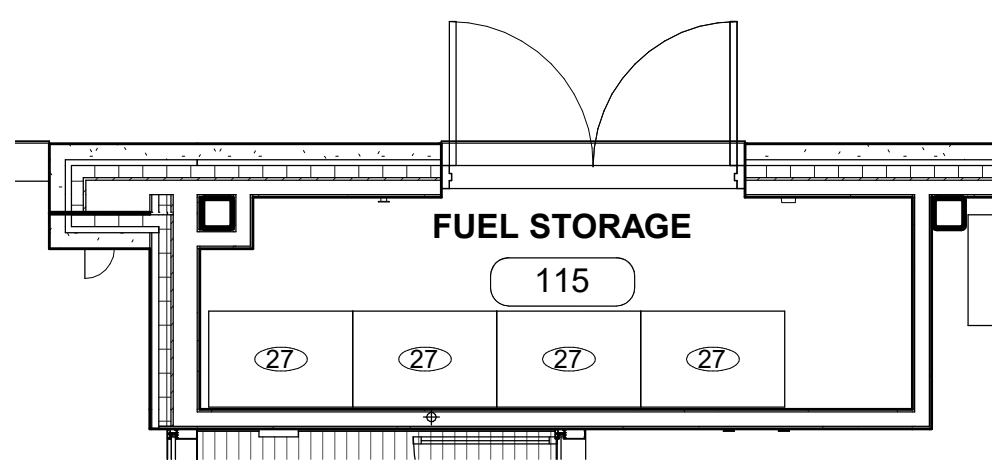
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A1-514



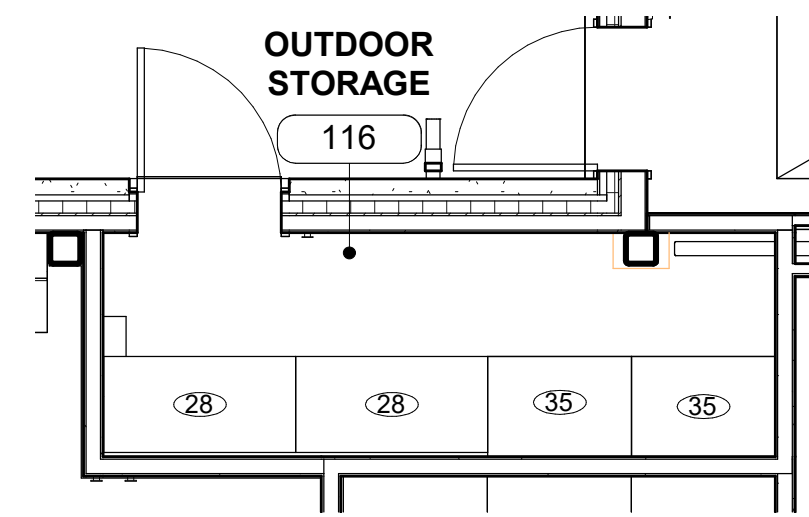
DEP OFFICES 113 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
113				
1	CHAIR 4-LEG BASE		2	HERMAN MILLER - KNN4SPFSG989898, RIVET LAGOON
2	WORK CHAIR		2	HERMAN MILLER - CO5-1-M-A-G1-L7-HCC-NNN
3A	MODULAR STORAGE UNITS	30" W x 18" D x 27" H	1	HERMAN MILLER - 24-30-20-2N-SS-8Q-TL-8Q-8Q-B3-CB-9P
4D	OPEN SHELVING UNITS	30" W x 18" D x 27" H	1	HERMAN MILLER - PSC-30-20-B-N
5	PEDESTAL STORAGE UNIT	15" W x 18" D x 27" H	2	HERMAN MILLER - FF10-K-24-BBF-2-L-NT
7	SQUARE OPEN SUPPORT LEG	30" W x 27 1/4" H	1	HERMAN MILLER - FVD2D-S-30-F-L-R-G1
12B	STANDARD PULL STORAGE CASE	42" W x 20" x 52 1/2" H	1	HERMAN MILLER - PS6-42-20-K-N
19	FIXED SEATED DESKS	60" W x 30" D x 29" H	1	HERMAN MILLER - FT-S10-30-60-L-F-91
20	OVERHEAD STORAGE UNITS	60" W x 15" D x 15" H	1	HERMAN MILLER - FV43P-WM-15-60-L-L-KA
31A	DESKTOP MOUNTED MOUNTED POWER / DATA HUB	8" W x 3" H x 4 1/2" D	2	HERMAN MILLER - Y1325-3-A-10-G-OK
32	ADJUSTABLE STANDING DESK	60" W x 30" D	1	HERMAN MILLER - DU6AT-S-30-60-L-E
33B	GLASS BACK PANEL	60" W x 23 1/2" H	2	HERMAN MILLER - FV970-WM-G-23A-60
34B	FILE TOP	60" W x 20" D x 1" H	1	TP-L-60-20-98

1 DEP OFFICES - FURNITURE PLAN
A1-515 SCALE: 1/4" = 1'-0"



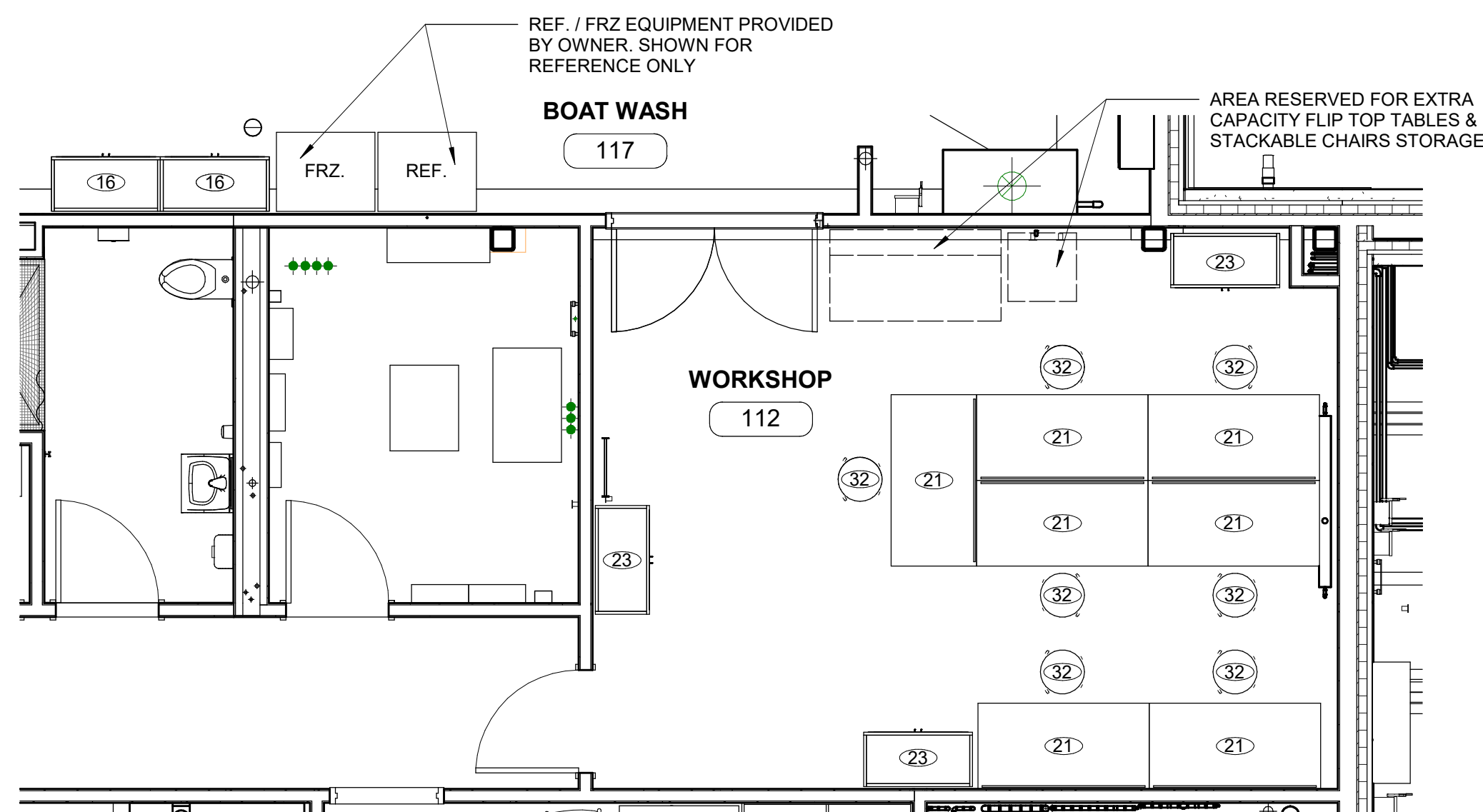
FUEL STORAGE 115 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
115				
27	STARTER SHELVING UNIT	36" W x 24" D x 84" H	4	LYON SHELVING PRODUCTS - 8039SM

2 FUEL STORAGE - FURNITURE PLAN
A1-515 SCALE: 1/4" = 1'-0"



OUTDOOR STORAGE 116 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
116				
28	STARTER SHELVING UNIT	48" W x 24" D x 84" H	2	LYON SHELVING PRODUCTS - 8336SH
35	VERTICAL BAR RACKS	36" W x 24" D x 84" H	2	GLOBAL INDUSTRIAL - 258298

3 OUTDOOR STORAGE - FURNITURE PLAN
A1-515 SCALE: 1/4" = 1'-0"



WORKSHOP 112 & BOAT WASH 117 FURNITURE & EQUIPMENT SCHEDULE				
ITEM NO	DESCRIPTION	SIZE	QUANTITY	NOTES
112				
21	WORKBENCH W/ STORAGE	60" W x 30" D x 42" H	7	ULINE - H-6341 (BOTTOM SHELF IS HALF DEPTH, NOT FULL DEPTH)
22	PEGBOARD PANEL	18" W x 19" H	7	ULINE - H-5768
23	RADIUS EDGE CLEAR VIEW STORAGE	36" W x 18" D x 72" H	3	SANDUSKYLEE - ER4V 361872-00
32	SHOP STOOLS	14" D x 25-33" H	7	ULINE - H-2506
117				
16	STAINLESS STEEL CABINETS	36" W x 18" D x 72" H	2	SANDUSKYLEE - SA4V 361872-XX

4 WORKSHOP & BOAT WASH - FURNITURE PLAN
A1-515 SCALE: 1/4" = 1'-0"

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EDWARD BARBOE, P.E.

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Protection

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MARK DELBALZO, P.E.

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DATE: JANUARY 2021

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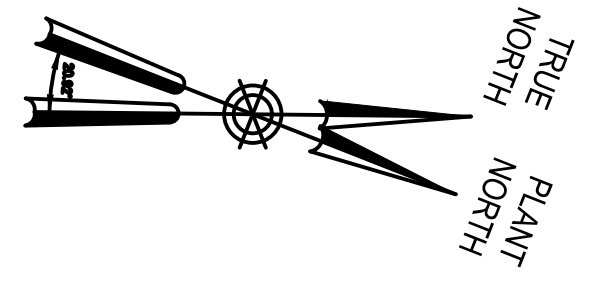
75 OF No. 80

DRAWING NO.

A1-515

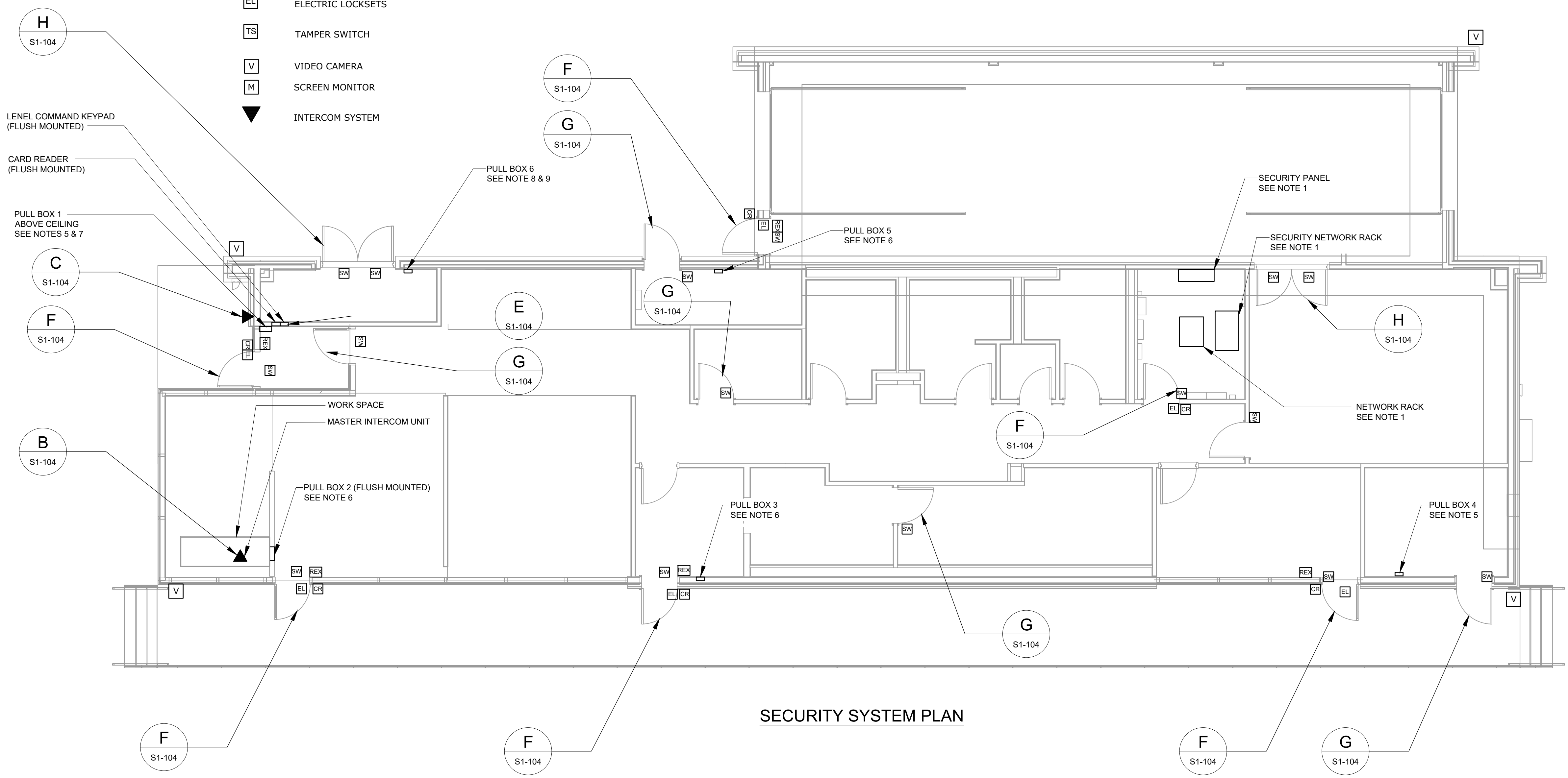
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NO.	DATE	REVISIONS/DESCRIPTION	APPRD

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LEGEND

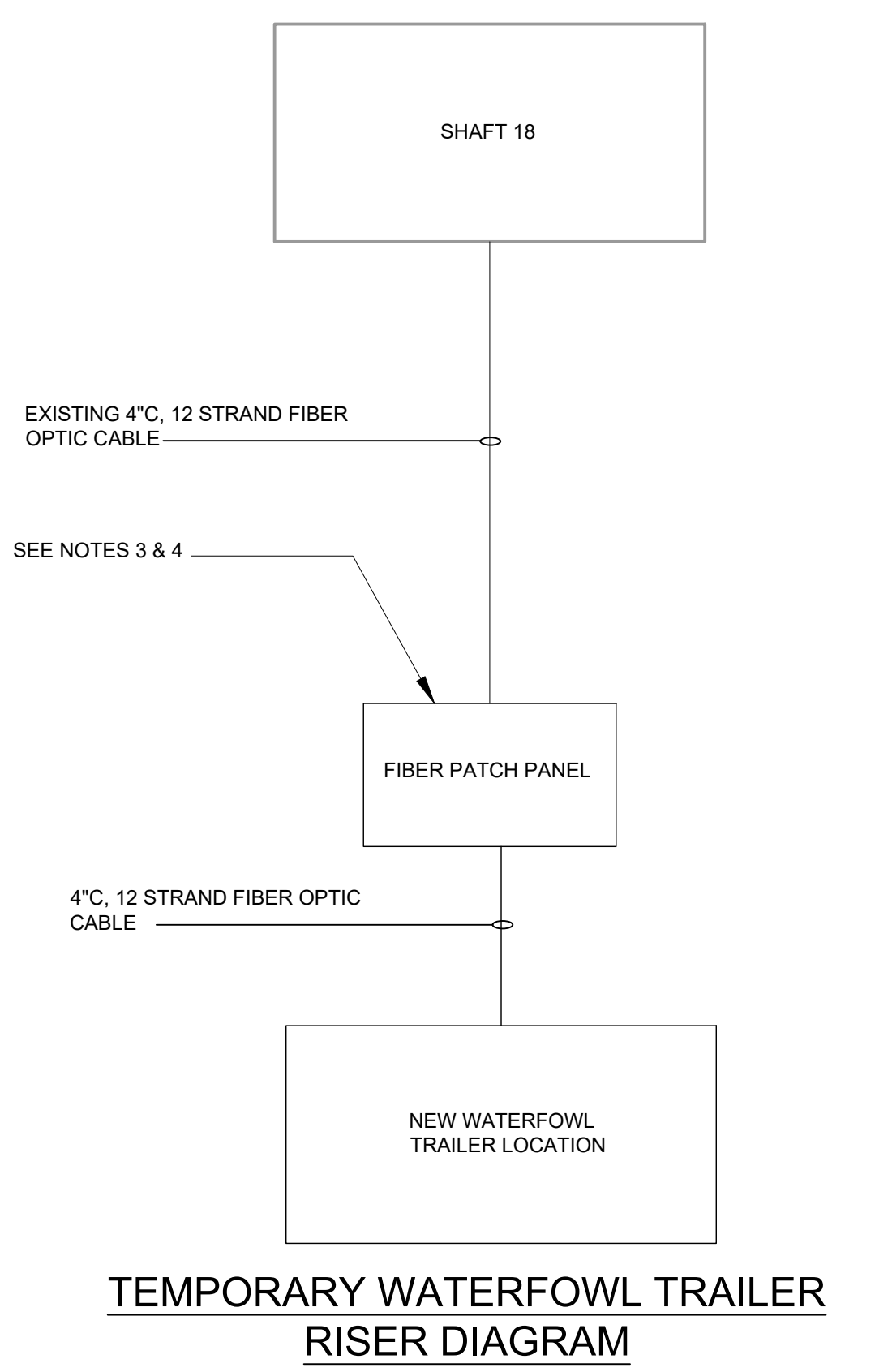
AC	ACCESS CONTROLLER
CR	CARD READER
REX	EMBEDDED REQUEST TO EXIT
SW	MAGNETIC MONITOR SWITCH
EL	ELECTRIC LOCKSETS
TS	TAMPER SWITCH
V	VIDEO CAMERA
M	SCREEN MONITOR
▼	INTERCOM SYSTEM



SECURITY SYSTEM PLAN

NOTES:

1. PROVIDE INTRUSION DETECTION TAMPER SWITCH FOR SECURITY PANEL, THE SECURITY NETWORK RACK, THE NETWORK RACK, AND THE FIBER PATCH PANEL.
2. EXISTING WATERFOWL TRAILER WILL BE MOVED TO A NEW LOCATION DURING CONSTRUCTION.
3. FURNISH, INSTALL, AND MAINTAIN DURING CONSTRUCTION A NEMA 3R, 12PORT FIBER PATCH PANEL AT THE LOCATION OF EXISTING WATERFOWL TRAILER.
4. FURNISH AND INSTALL NECESSARY HARDWARE FOR SUPPORTING THE FIBER PATCH PANEL.
5. FURNISH AND INSTALL A 12"H X 12"W X 4"D NEMA 12 PULL BOX.
6. FURNISH AND INSTALL A 16"H X 14"W X 3"D NEMA 12 PULL BOX.
7. SEE ARCHITECTURAL DRAWING A1-103 FOR DETAILS ON THE ACCESS PANEL TO PULL BOX 1.
8. FURNISH AND INSTALL A 8"H X 8"W X 4"D NEMA 12 PULL BOX.
9. MOUNT PULL BOX 7 7' ABOVE FURNISHED FLOOR.



TEMPORARY WATERFOWL TRAILER RISER DIAGRAM



CONFORMED SET

IF SHEET IS LESS THAN 22" X 34"
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SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

DESIGNED BY:
Y. ABDALLA

CHECKED BY:
H. HARRY

DRAWN BY:
Y. ABDALLA

DESIGN LEAD:
G. MARKOU



ACCOUNTABLE MANAGER
JOSE NIEVES

PROJECT MANAGER
MARK DELBALZO, P.E.

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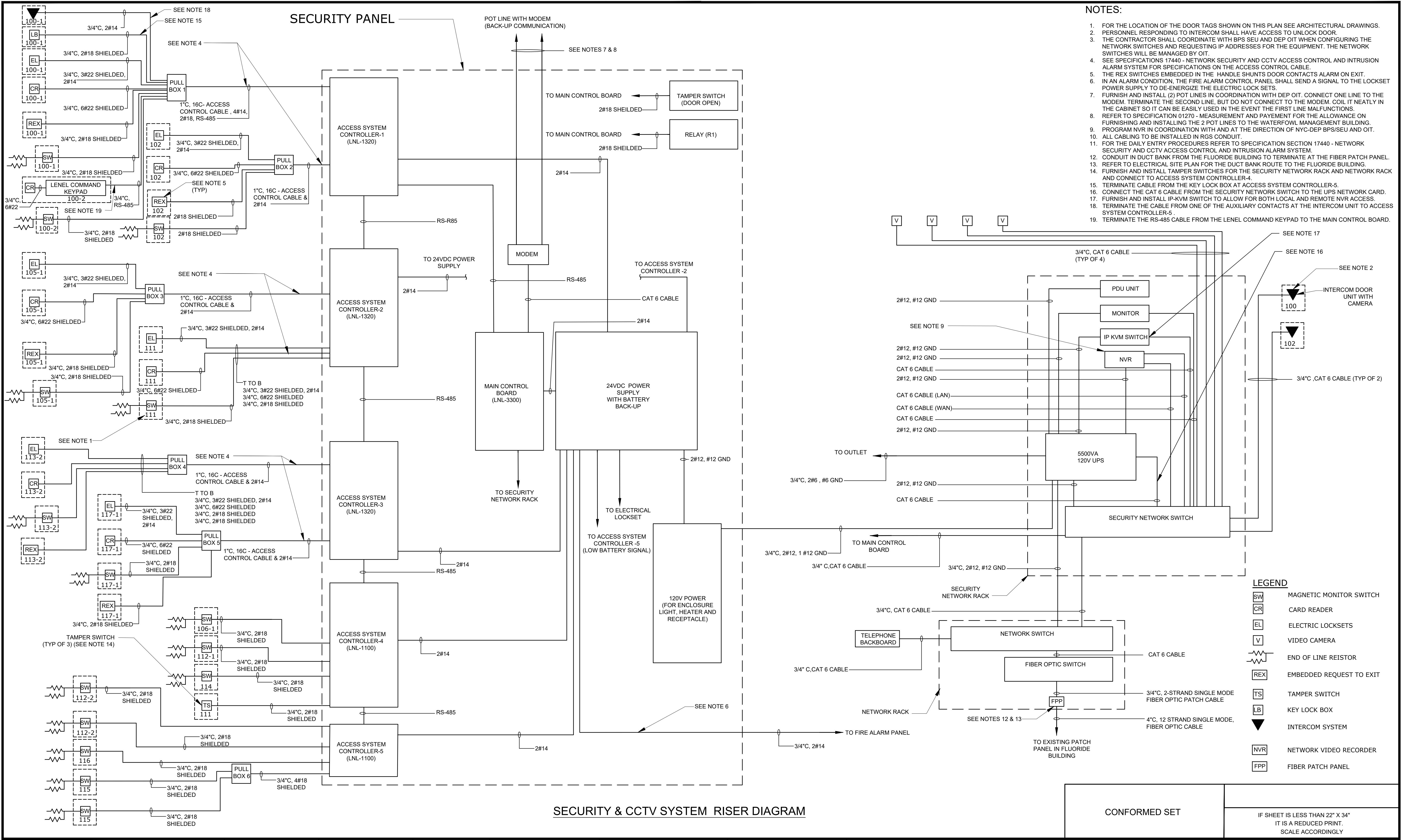
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK
SECURITY SYSTEM PLAN

DATE: JANUARY 2023
SCALE:
SHEET NO:
76 OF No. 80
DRAWING NO.
SC1-100

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Water Supply.



- NOTES:**
- FOR THE LOCATION OF THE DOOR TAGS SHOWN ON THIS PLAN SEE ARCHITECTURAL DRAWINGS.
 - PERSONNEL RESPONDING TO INTERCOM SHALL HAVE ACCESS TO UNLOCK DOOR.
 - THE CONTRACTOR SHALL COORDINATE WITH BPS SEU AND DEP OIT WHEN CONFIGURING THE NETWORK SWITCHES AND REQUESTING IP ADDRESSES FOR THE EQUIPMENT. THE NETWORK SWITCHES WILL BE MANAGED BY OIT.
 - SEE SPECIFICATIONS 17440 - NETWORK SECURITY AND CCTV ACCESS CONTROL AND INTRUSION ALARM SYSTEM FOR SPECIFICATIONS ON THE ACCESS CONTROL CABLE.
 - THE REX SWITCHES EMBEDDED IN THE HANDLE SHUNTS DOOR CONTACTS ALARM ON EXIT. IN AN ALARM CONDITION, THE FIRE ALARM CONTROL PANEL SHALL SEND A SIGNAL TO THE LOCKSET POWER SUPPLY TO DE-ENERGIZE THE ELECTRIC LOCK SETS.
 - FURNISH AND INSTALL (2) POT LINES IN COORDINATION WITH DEP OIT. CONNECT ONE LINE TO THE MODEM. TERMINATE THE SECOND LINE, BUT DO NOT CONNECT TO THE MODEM. COIL IT NEATLY IN THE CABINET SO IT CAN BE EASILY USED IN THE EVENT THE FIRST LINE MALFUNCTIONS.
 - REFER TO SPECIFICATION 01270 - MEASUREMENT AND PAYMENT FOR THE ALLOWANCE ON FURNISHING AND INSTALLING THE 2 POT LINES TO THE WATERFOWL MANAGEMENT BUILDING.
 - PROGRAM NVR IN COORDINATION WITH AND AT THE DIRECTION OF NYC-DEP BPS/SEU AND OIT.
 - ALL CABLING TO BE INSTALLED IN RGS CONDUIT.
 - FOR THE DAILY ENTRY PROCEDURES REFER TO SPECIFICATION SECTION 17440 - NETWORK SECURITY AND CCTV ACCESS CONTROL AND INTRUSION ALARM SYSTEM.
 - CONDUIT IN DUCT BANK FROM THE FLUORIDE BUILDING TO TERMINATE AT THE FIBER PATCH PANEL.
 - REFER TO ELECTRICAL SITE PLAN FOR THE DUCT BANK ROUTE TO THE FLUORIDE BUILDING.
 - FURNISH AND INSTALL TAMPER SWITCHES FOR THE SECURITY NETWORK RACK AND NETWORK RACK AND CONNECT TO ACCESS SYSTEM CONTROLLER-4.
 - TERMINATE CABLE FROM THE KEY LOCK BOX AT ACCESS SYSTEM CONTROLLER-5.
 - CONNECT THE CAT 6 CABLE FROM THE SECURITY NETWORK SWITCH TO THE UPS NETWORK CARD.
 - FURNISH AND INSTALL IP-KVM SWITCH TO ALLOW FOR BOTH LOCAL AND REMOTE NVR ACCESS.
 - TERMINATE THE CABLE FROM ONE OF THE AUXILIARY CONTACTS AT THE INTERCOM UNIT TO ACCESS SYSTEM CONTROLLER-5.
 - TERMINATE THE RS-485 CABLE FROM THE LENEL COMMAND KEYPAD TO THE MAIN CONTROL BOARD.

- LEGEND**
- MAGNETIC MONITOR SWITCH
 - CARD READER
 - ELECTRIC LOCKSETS
 - VIDEO CAMERA
 - END OF LINE RESISTOR
 - EMBEDDED REQUEST TO EXIT
 - TAMPER SWITCH
 - KEY LOCK BOX
 - INTERCOM SYSTEM
 - NETWORK VIDEO RECORDER
 - FIBER PATCH PANEL

SECURITY & CCTV SYSTEM RISER DIAGRAM

CONFORMED SET

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY.

DESIGNED BY:	Y. ABDALLA
CHECKED BY:	H. HARRY
DRAWN BY:	G. MARKOU
DESIGN LEAD:	G. MARKOU



ACCOUNTABLE MANAGER
JOSE NIEVES

PROJECT MANAGER
MARK DELBALZO, P.E.

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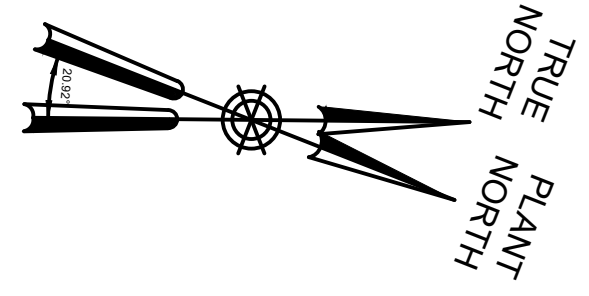
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VALHALLA, NEW YORK 10595-1336
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
MOUNT PLEASANT, NEW YORK

SECURITY SYSTEM RISER DIAGRAM

DATE: JANUARY 2023
SCALE: NONE
SHEET NO: 77 OF No. 80
DRAWING NO. SC1-101

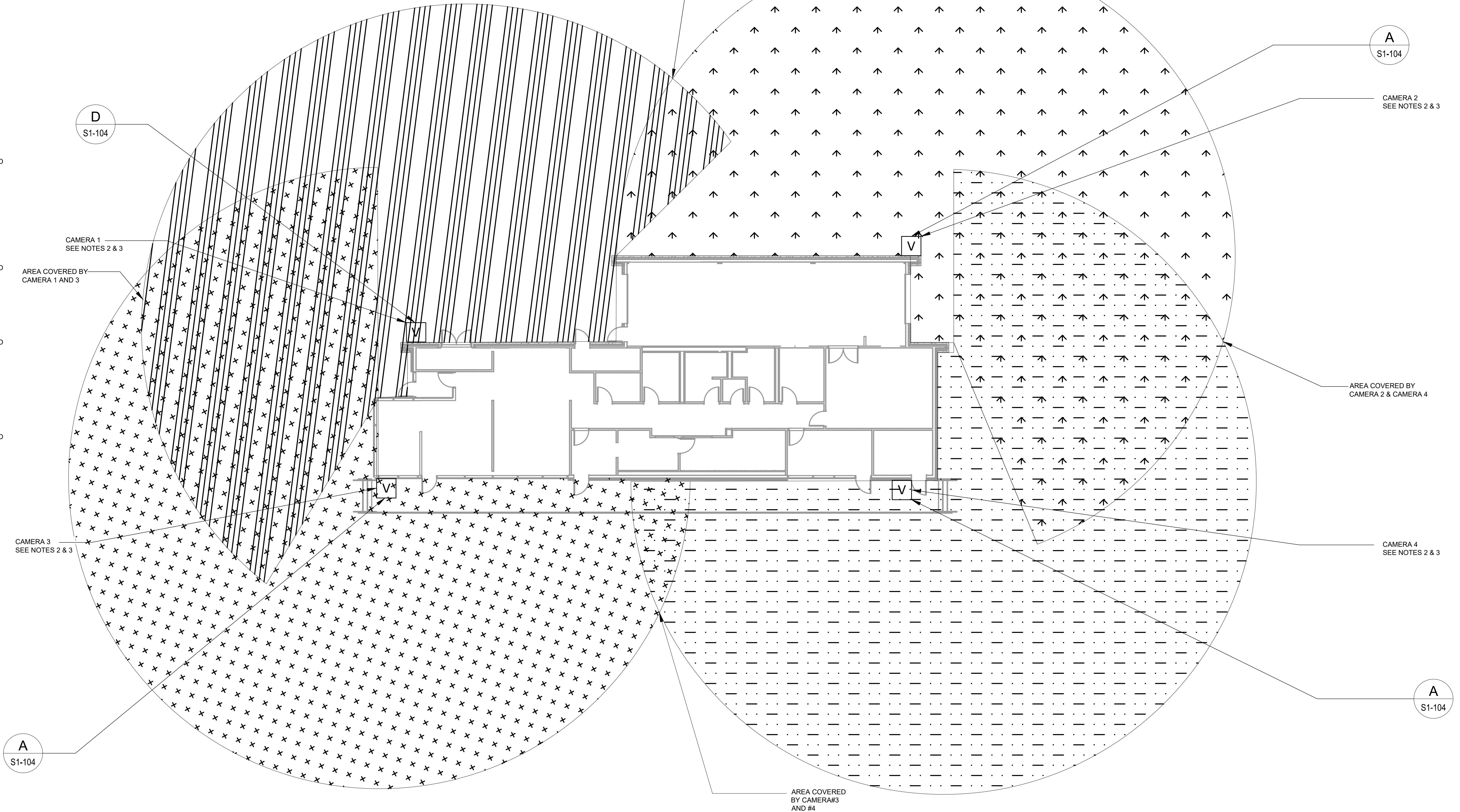
All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Water Supply.



- NOTES:**
1. CAMERA RESOLUTION FOR THE 4 CAMERAS SHOWN ON THIS DRAWING IS 2048 X 1536 PIXELS.
 2. MOUNT THE CAMERAS SHOWN ON THIS DRAWING AT EACH OF THE 4 CORNERS OF THE BUILDING.
 3. REFER TO DRAWING SC-104 FOR CAMERA MOUNTING DETAILS.

LEGEND

- V VIDEO CAMERA
- AREA COVERED BY CAMERA 1
- AREA COVERED BY CAMERA 2
- AREA COVERED BY CAMERA 3
- AREA COVERED BY CAMERA 4



File: C:\BANK\NEW YORK\WATERFOWL SECURITY\CCTV FOV.dwg Saved by PHUGENT Save date: 12/23/2022 3:18 PM

CONFORMED SET	$3/32" = 1'-0"$
	IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

DESIGNED BY: Y. ABDALLA CHECKED BY: H. HARRY	DRAWN BY: Y. ABDALLA DESIGN LEAD: G. MARKOU

NYC
Environmental Protection

ACCOUNTABLE MANAGER
JOSE NIEVES
PROJECT MANAGER
MARK DELBALZO, P.E.

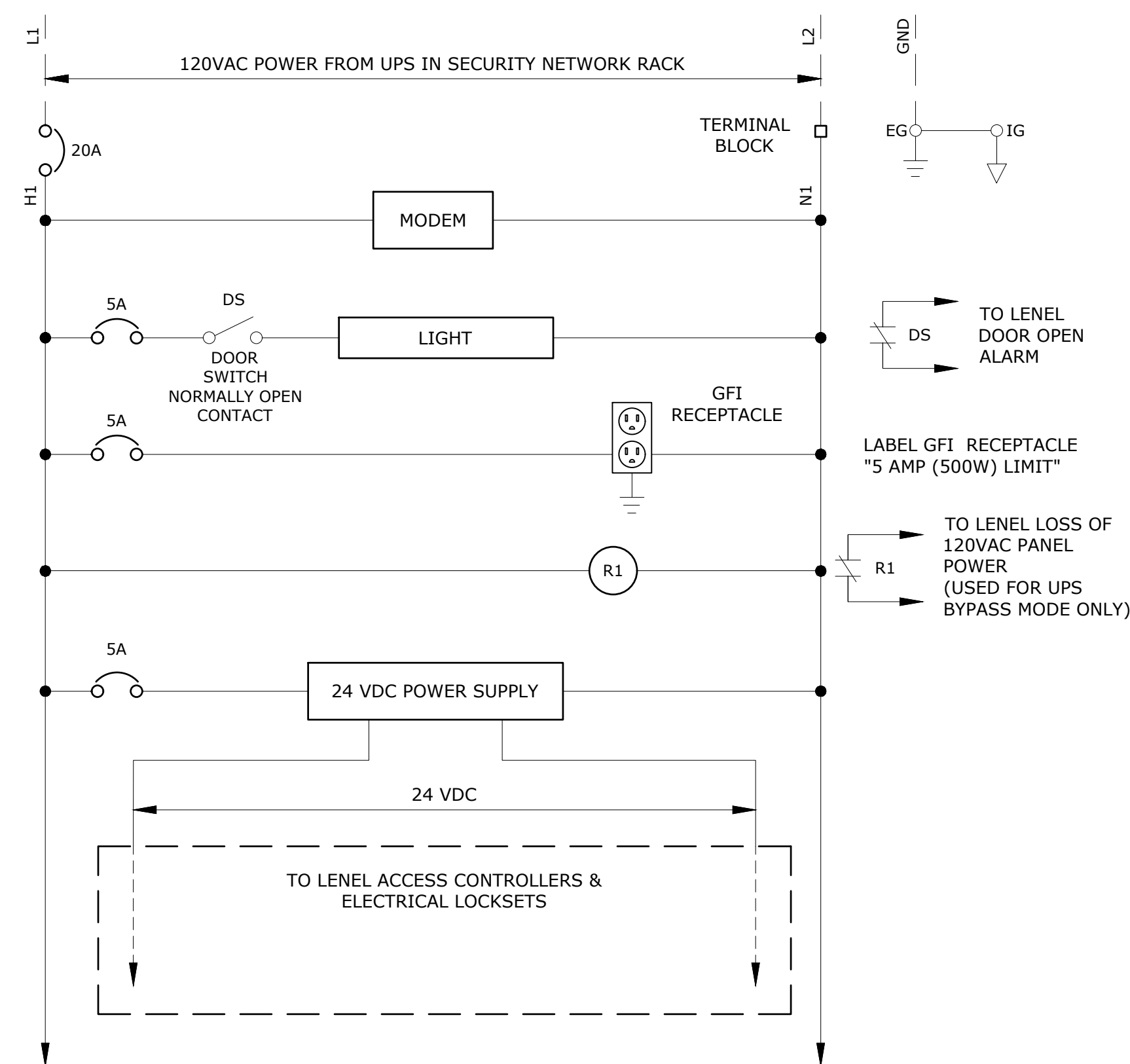
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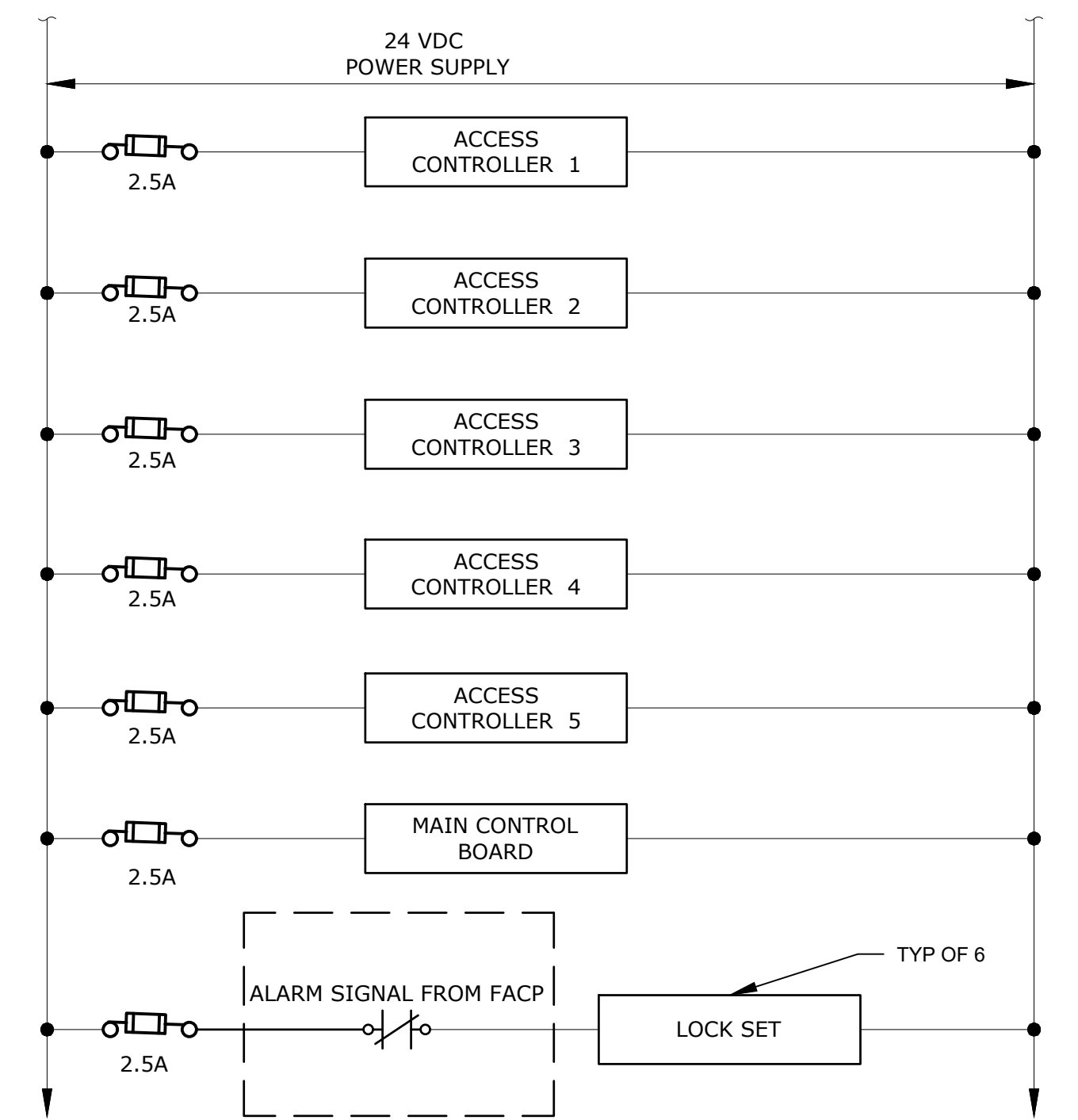
WATERFOWL MANAGEMENT PROGRAM BUILDING
 AND PAVING
 MOUNT PLEASANT, NEW YORK
 SECURITY SYSTEM
 CCTV FOV PLAN

DATE: JANUARY 2023
SCALE:
SHEET NO: 78 OF No. 80
DRAWING NO. SC1-102

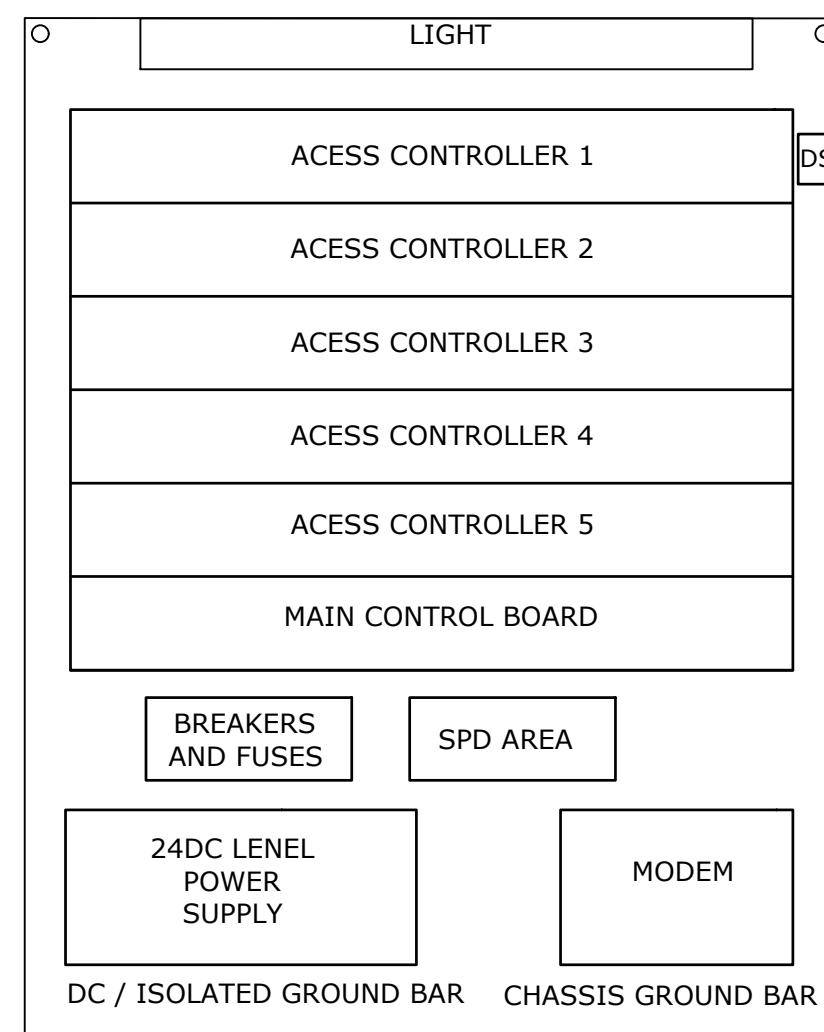
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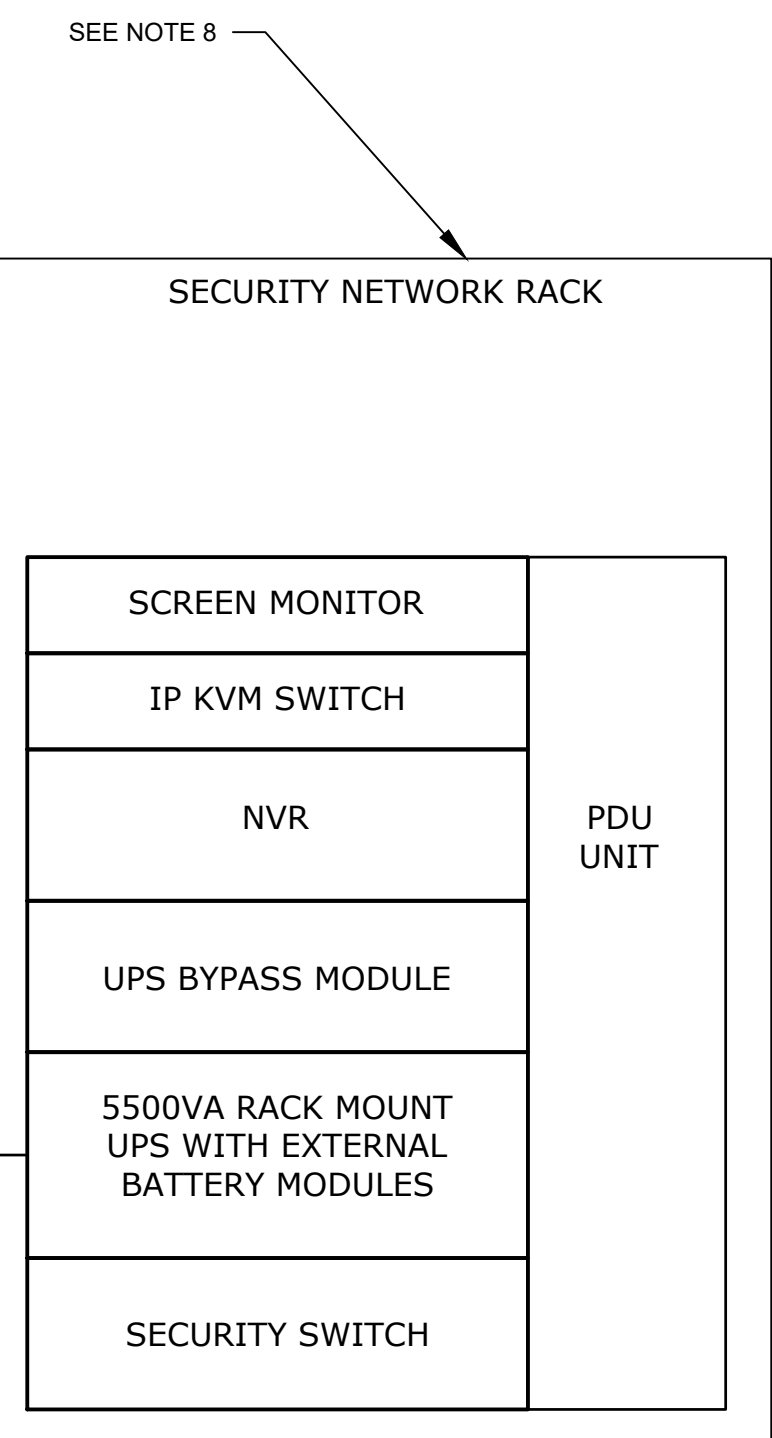
SECURITY PANEL POWER WIRING DIAGRAM (120V)
NTS



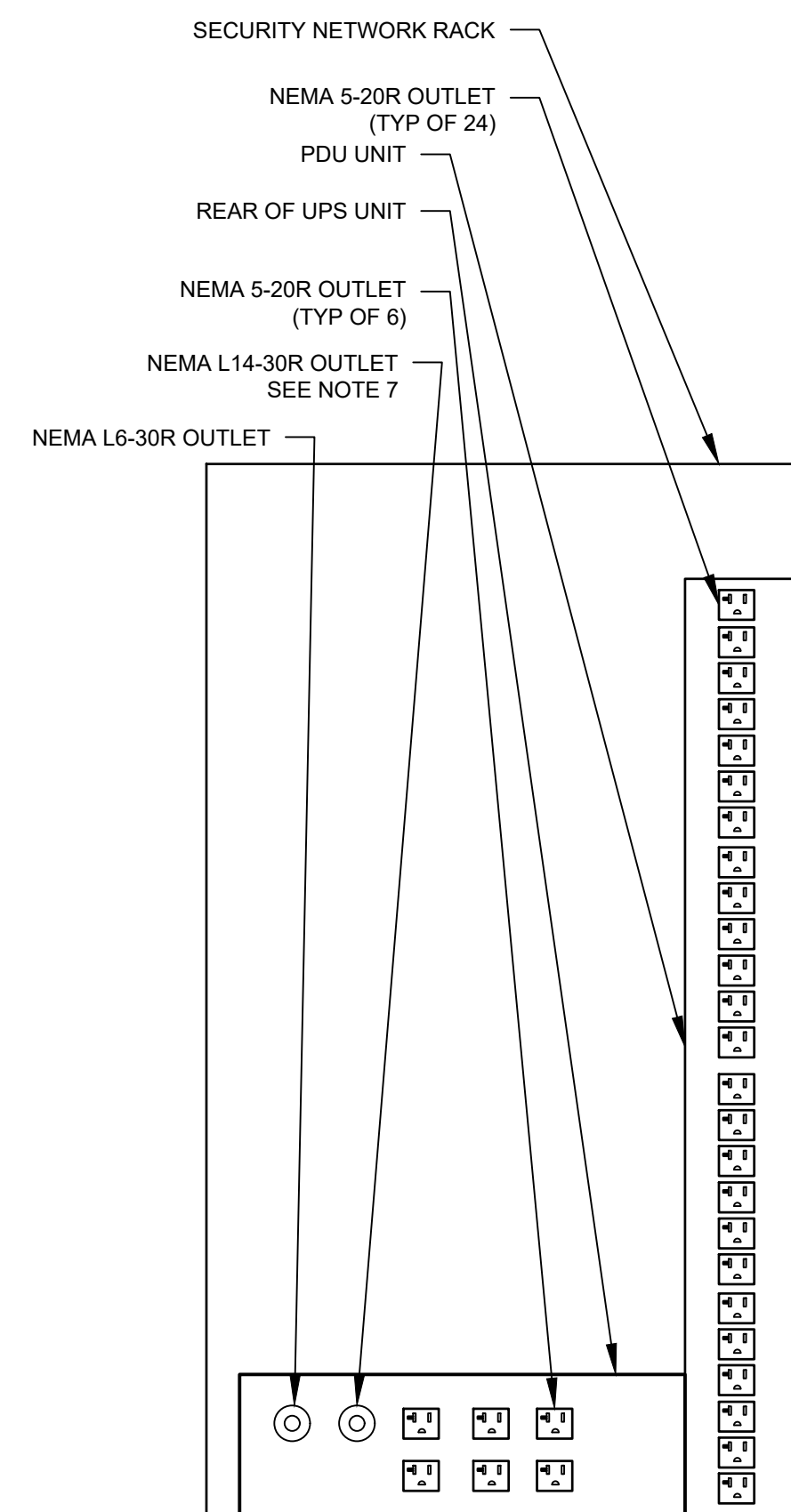
SECURITY PANEL LEVEL POWER WIRING 24VDC)
NTS



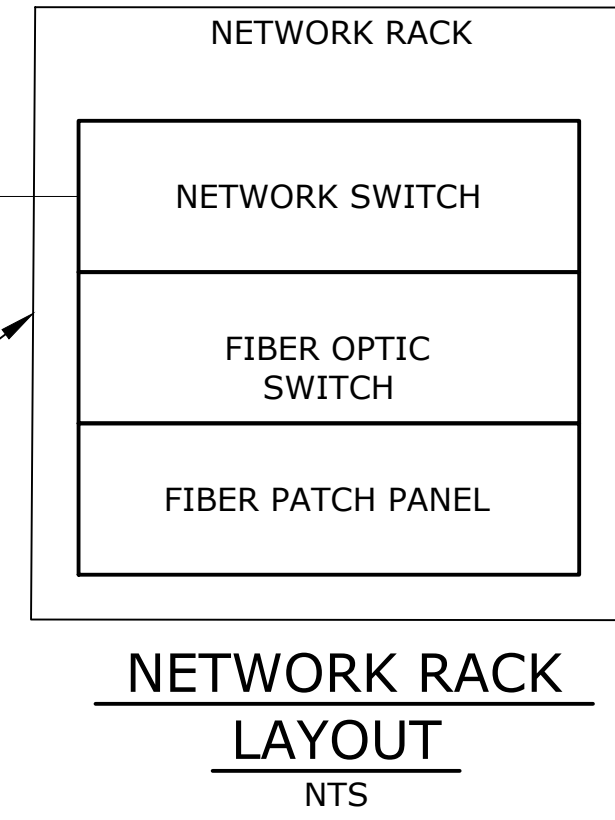
PANEL LAYOUT SECURITY PANEL
NTS



SECURITY NETWORK RACK LAYOUT
NTS



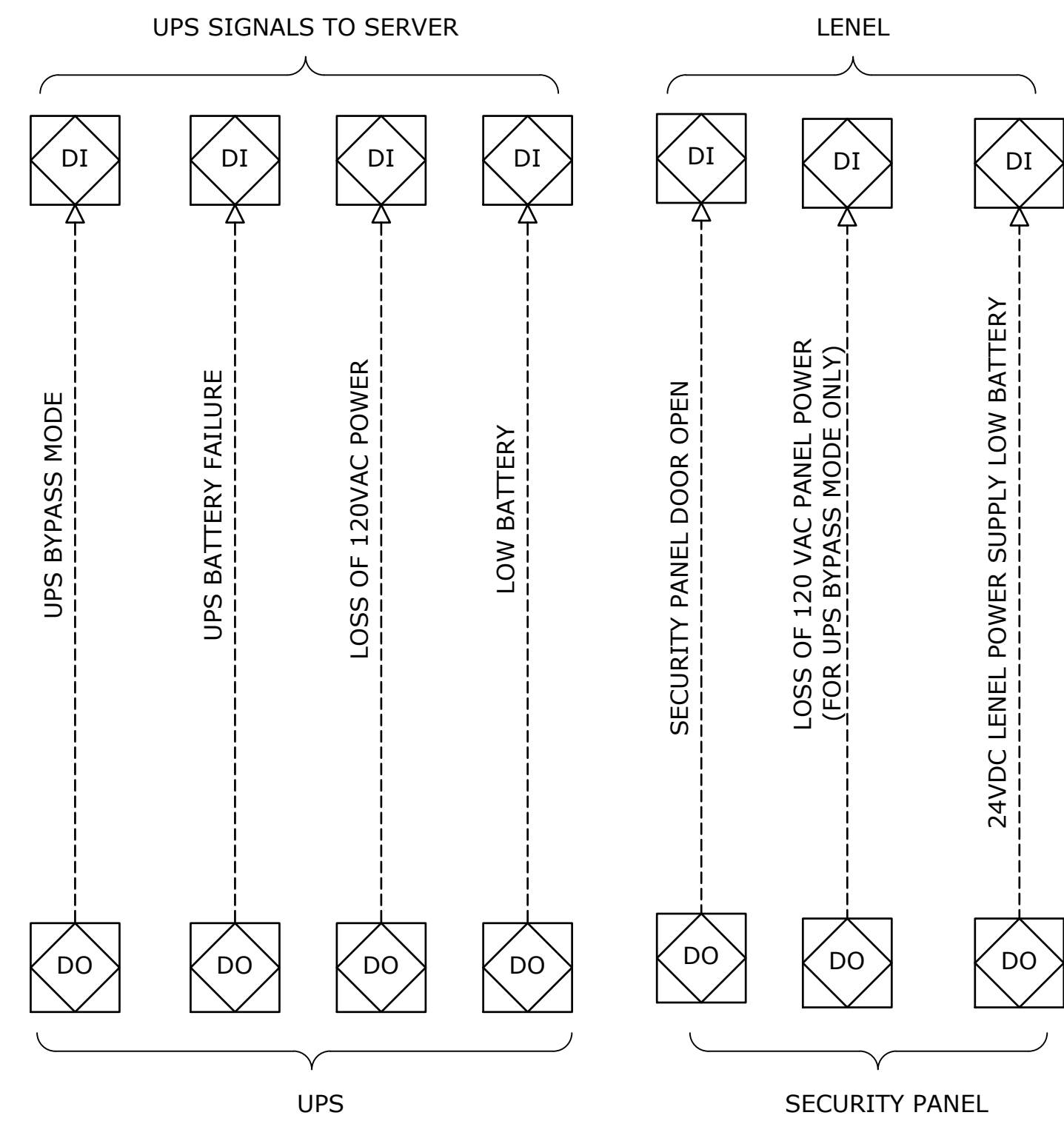
OUTLETS
NTS



NETWORK RACK LAYOUT
NTS

NOTES:

1. PROVIDE BOTH 12VDC AND 24VDC POWER SUPPLIES.
2. PANELS AND ENCLOSURES TO BE SIZED TO ACCOMMODATE ALL REQUIRED EQUIPMENT.
3. NEMA 12 RATING. ALL PENETRATIONS MUST BE ON THE BOTTOM OF THE PANEL.
4. PROVIDE TAMPER SWITCH ON BOTH THE SECURITY NETWORK RACK AND THE SECURITY PANEL. CONNECT TAMPER SWITCHES BACK TO LEVEL.
5. PROVIDE PROTECTION FOR BARE CIRCUIT BOARDS. SEE SPECIFICATION.
6. WIRING IS REPRESENTATIVE OF MANY DEVICES. PROVIDE FUSING AND POWER FOR EACH DEVICE.
7. OUTLET USED FOR THE PDU UNIT.
8. THE SECURITY NETWORK RACK AND NETWORK RACK SHALL BE AN OPEN FOUR POST RACK TYPE.



OUTPUTS SIGNALS
NTS

CONFORMED SET	IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY
	DATE: JANUARY 2023 SCALE: NONE SHEET NO: 79 OF No. 80 DRAWING NO. SC1-103

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DESIGNED BY: Y. ABDALLA	DRAWN BY: Y. ABDALLA
CHECKED BY: H. HARRY	PROJECT LEAD: G. MARKOU
Hazen	
A 7/23	CONFORMED CR
NO. DATE	REVISIONS/DESCRIPTION APPR'D



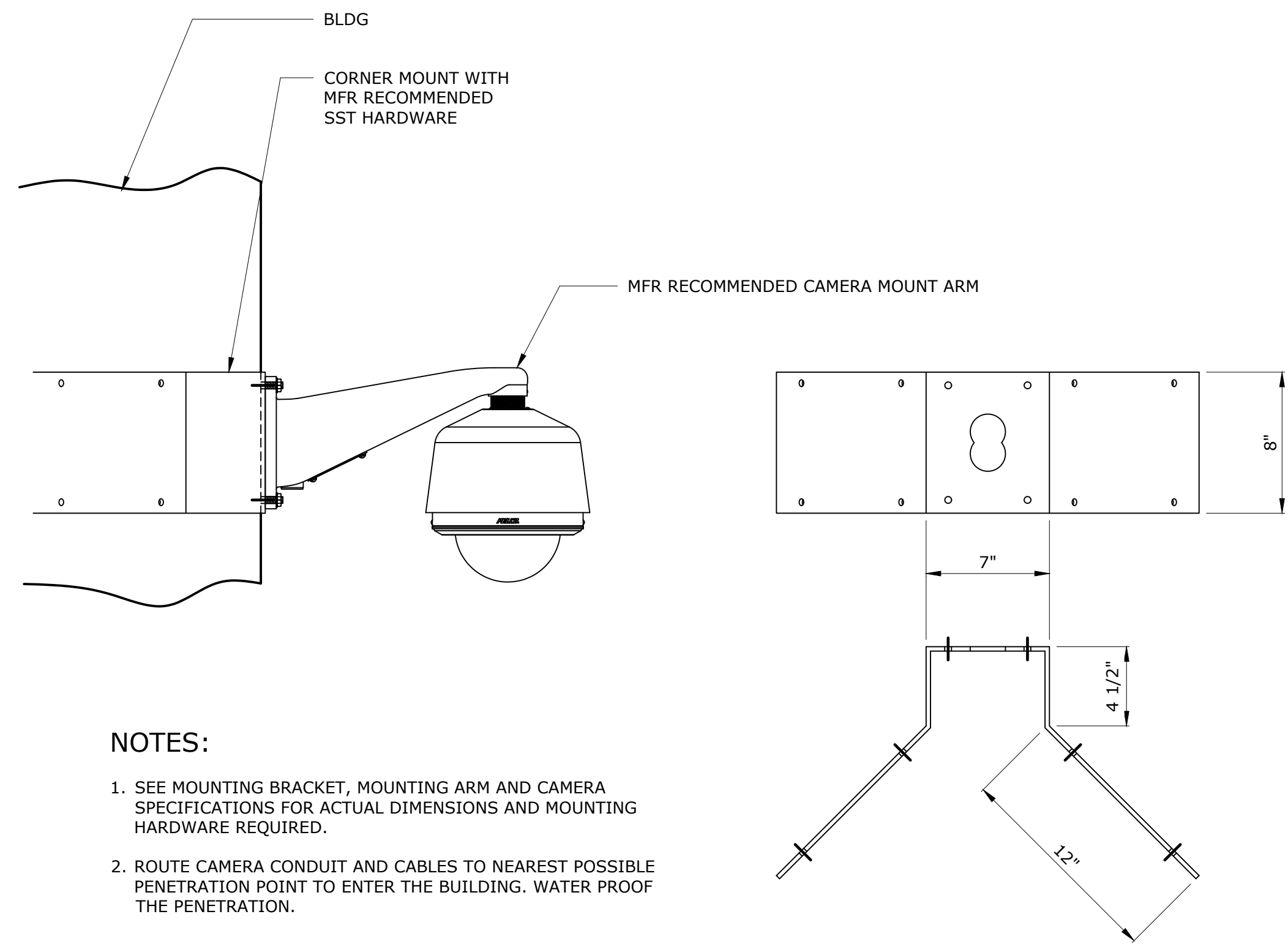
ACCOUNTABLE MANAGER
JOSE NIEVES
PROJECT MANAGER
MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
SECURITY SYSTEM
PANEL LAYOUTS

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Water Supply.

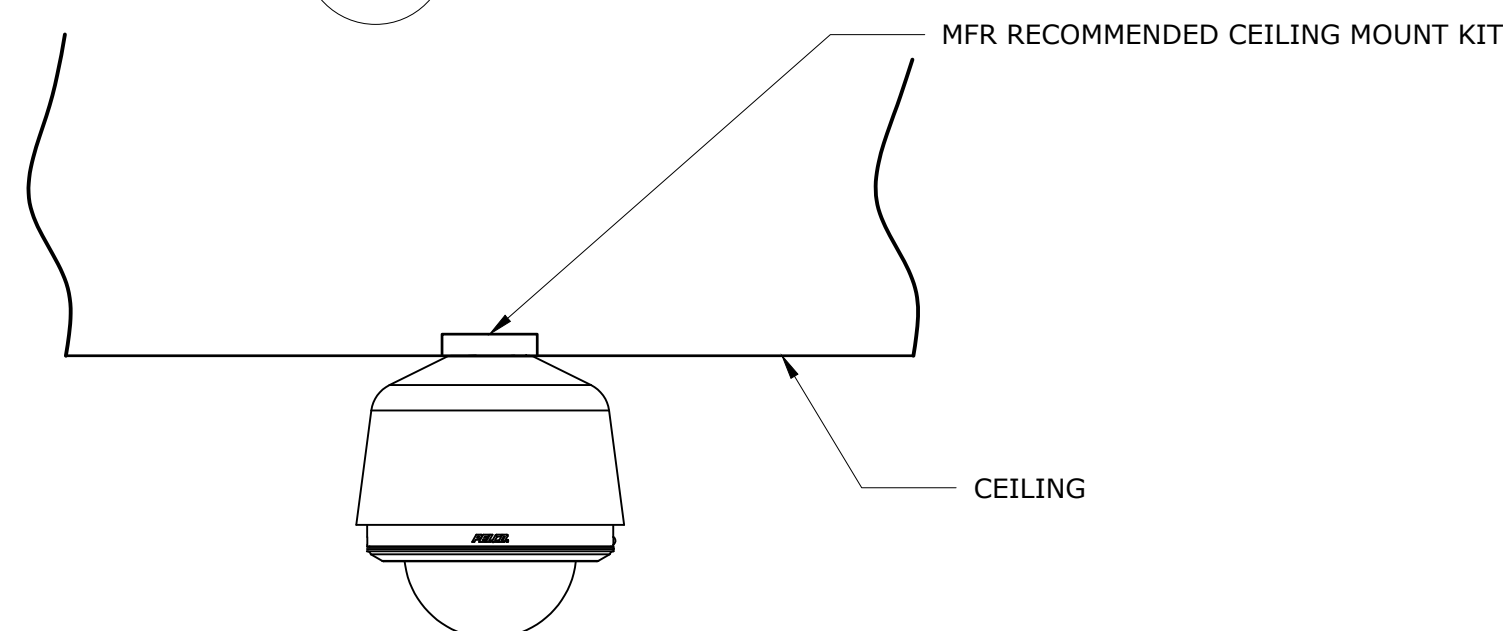


NOTES:

1. SEE MOUNTING BRACKET, MOUNTING ARM AND CAMERA SPECIFICATIONS FOR ACTUAL DIMENSIONS AND MOUNTING HARDWARE REQUIRED.
2. ROUTE CAMERA CONDUIT AND CABLES TO NEAREST POSSIBLE PENETRATION POINT TO ENTER THE BUILDING. WATER PROOF THE PENETRATION.

A EXTERIOR CORNER MOUNT DOME CAMERA

SC1-102 SCALE: NTS

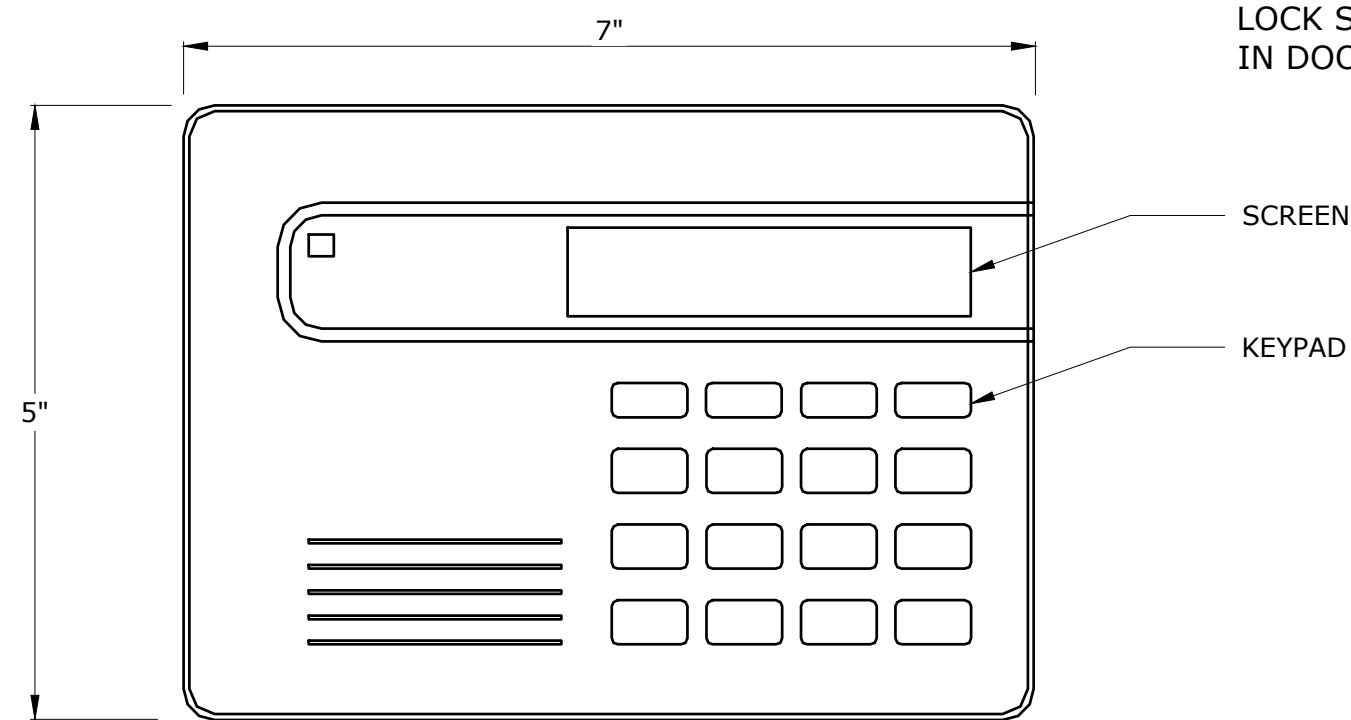


D CEILING MOUNT DOME CAMERA

SC1-102 SCALE: NTS

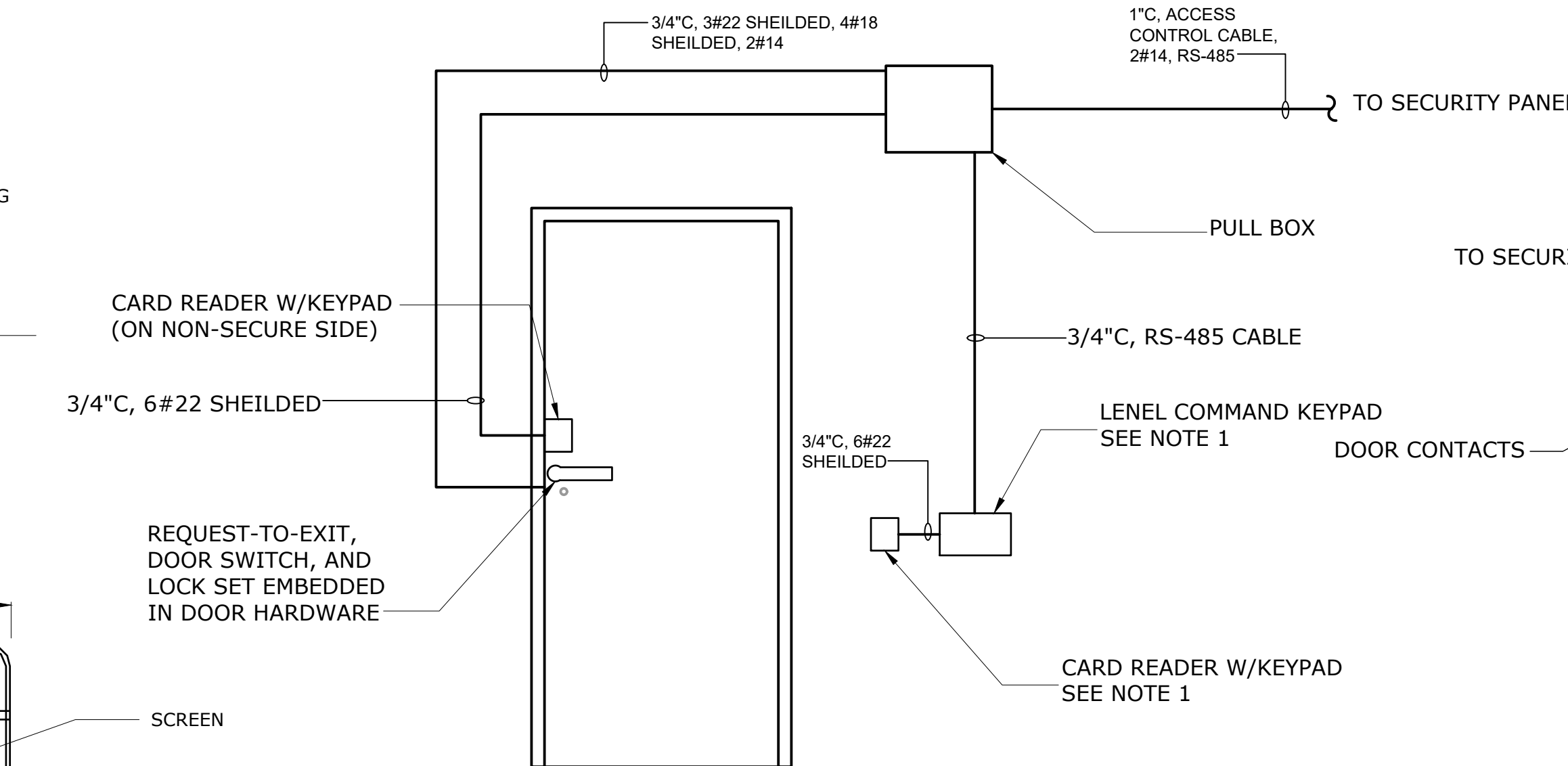
NOTES:

1. SEE MOUNTING BRACKET, AND CAMERA SPECIFICATIONS FOR ACTUAL DIMENSIONS AND MOUNTING HARDWARE REQUIRED.
2. ROUTE CAMERA CONDUIT AND CABLES TO NEAREST POSSIBLE PENETRATION POINT TO ENTER THE BUILDING. WATER PROOF THE PENETRATION.



E LENEL COMMAND KEYPAD

SC1-100 SCALE: NTS

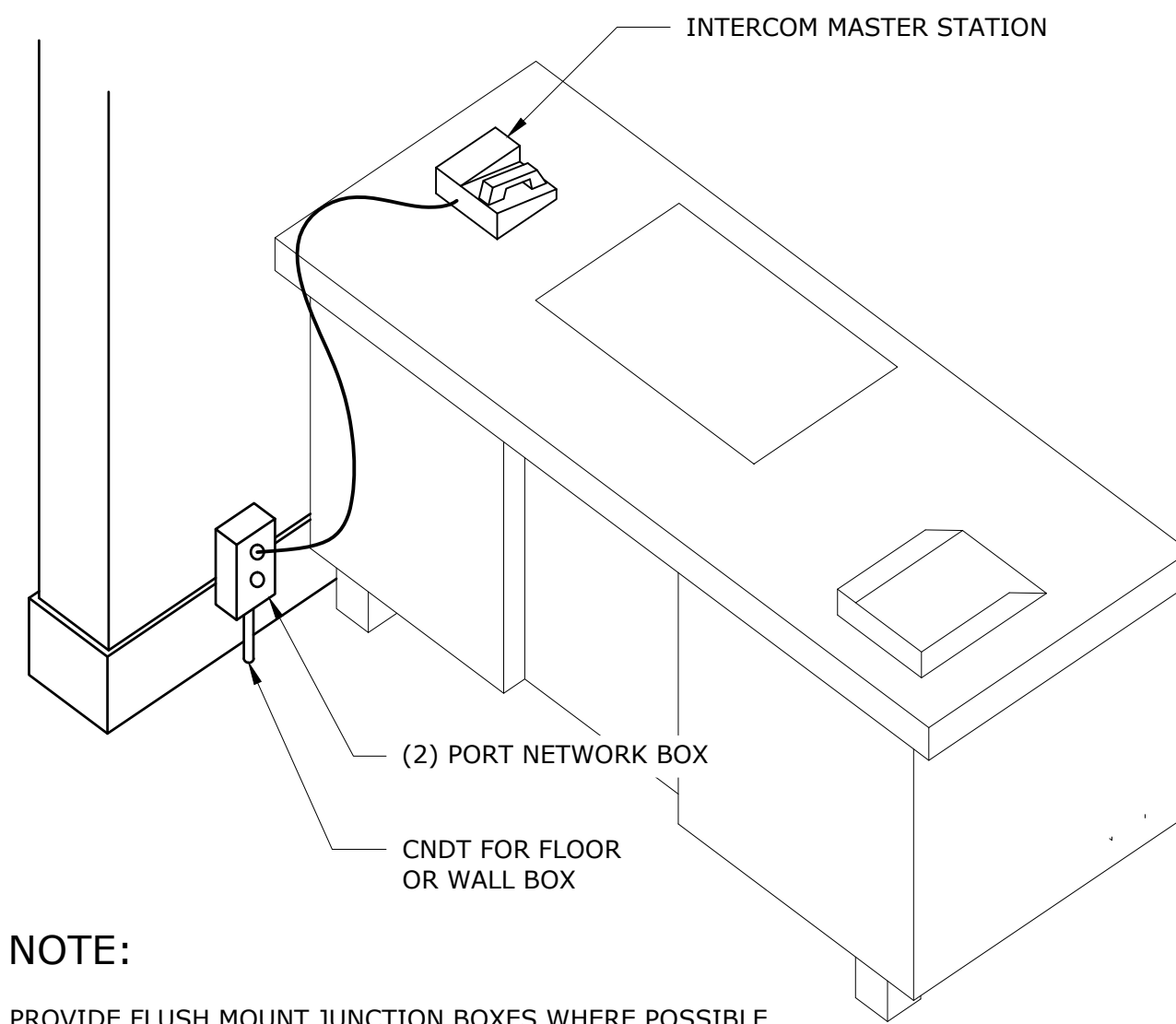


NOTES:

1. THE LENEL COMMAND KEYPAD AND CARD READER SHOWN IN THIS DETAIL IS ONLY APPLICABLE TO DOOR 100-1.

F SINGLE DOOR - SECURE SIDE

SC1-100 SCALE: NTS

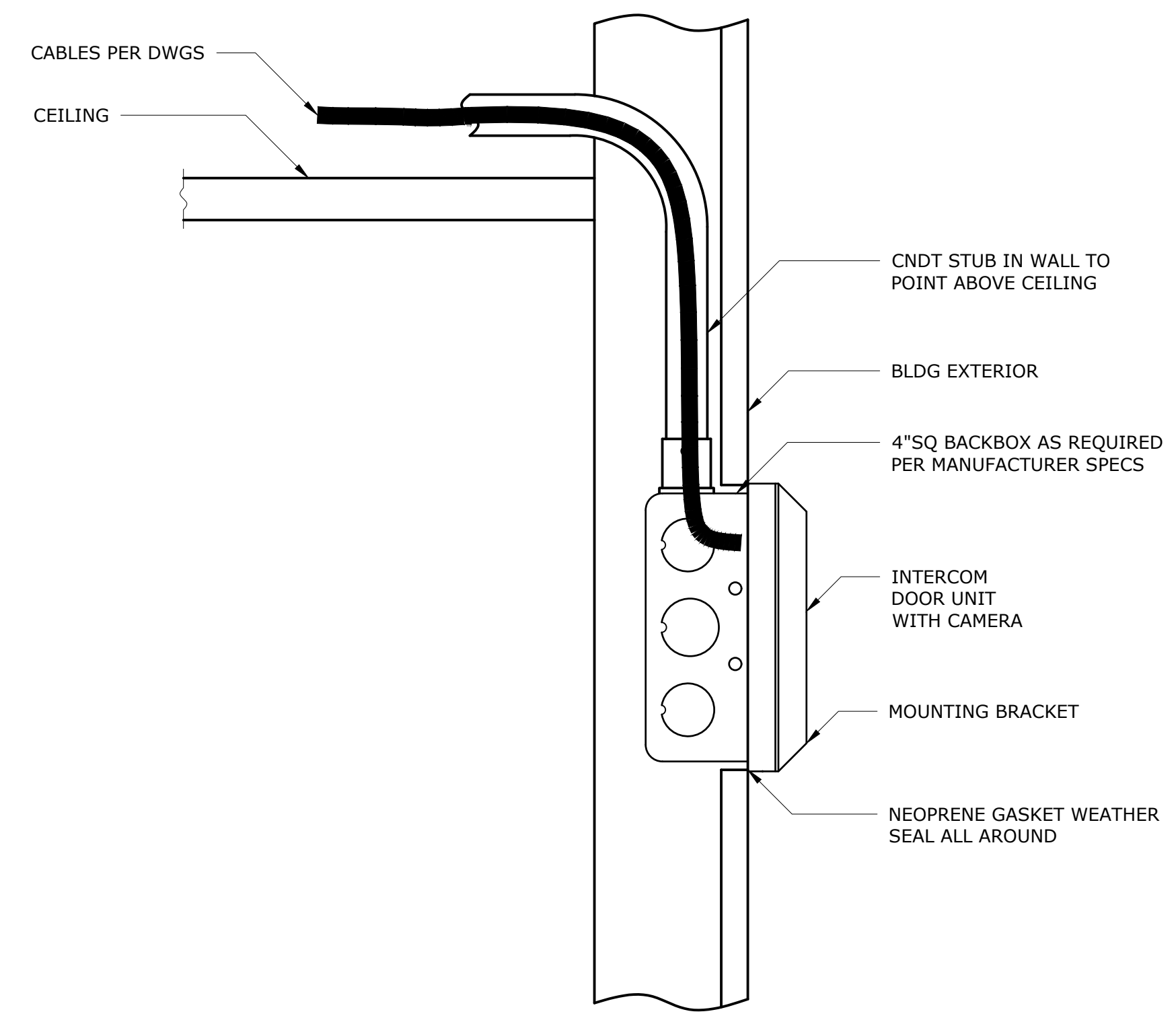


NOTE:

PROVIDE FLUSH MOUNT JUNCTION BOXES WHERE POSSIBLE.

B INTERCOM MASTER STATION

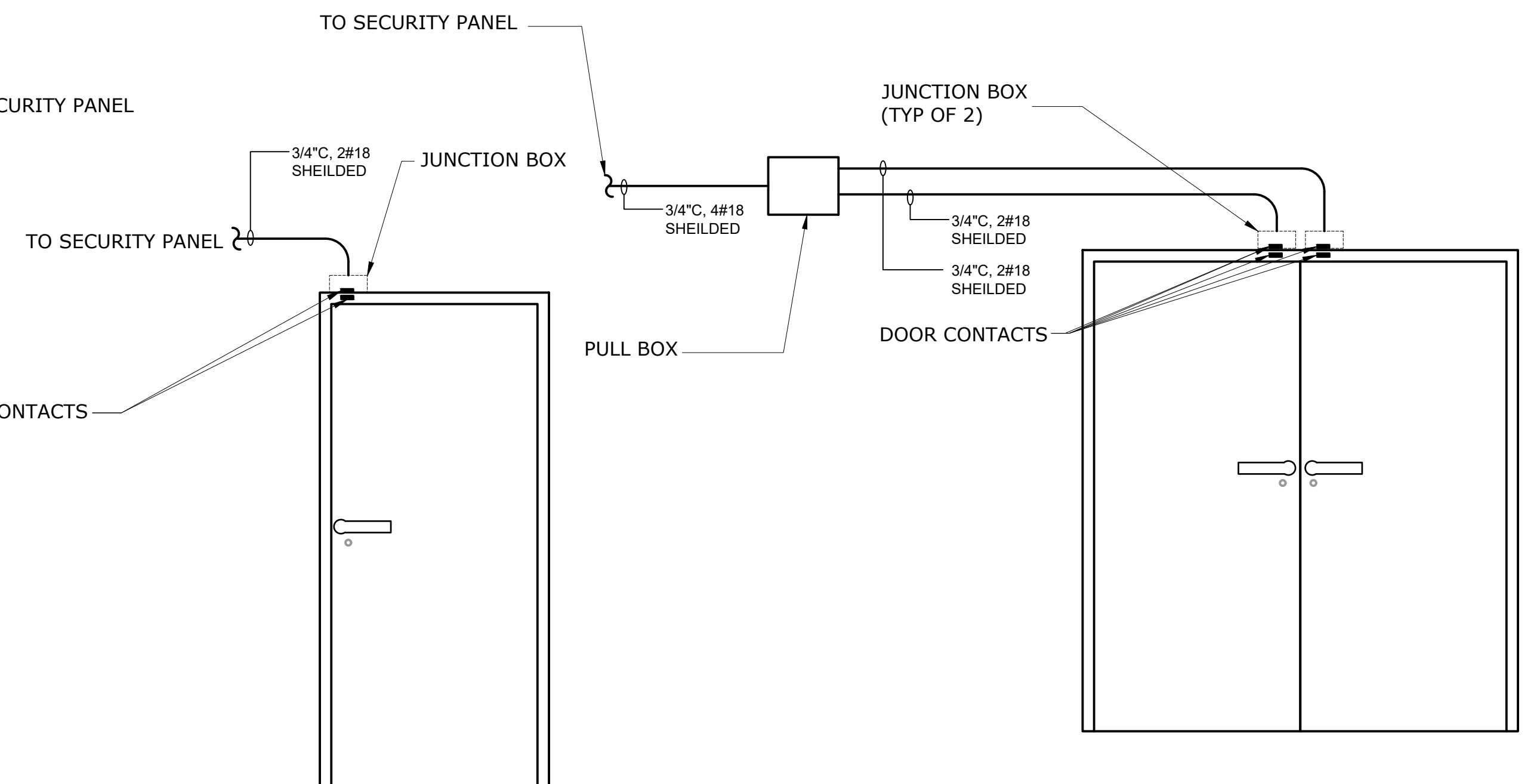
SC1-100 SCALE: NTS



NOTE: PROVIDE STANDARD 4" SQ. BACKBOX - WEATHERPROOF TYPE FOR ALL EXTERIOR MOUNTED APPLICATIONS

C INTERCOM DOOR STATION

SC1-100 SCALE: NTS



G SINGLE DOOR - SECURE SIDE

SC1-100 SCALE: NTS

H DOUBLE DOOR - SECURE SIDE

SC1-100 SCALE: NTS

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

DESIGNED BY:
Y. ABDALLA

CHECKED BY:
H. HARRY

DRAWN BY:
Y. ABDALLA

DESIGN LEAD:
G. MARKOU

ACCOUNTABLE MANAGER
JOSE NIEVES

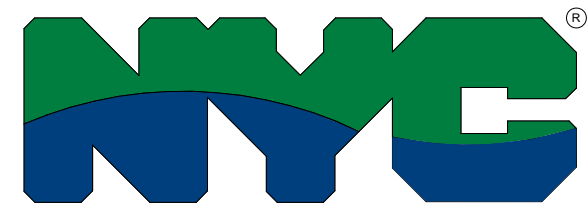
PROJECT MANAGER
MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK SECURITY SYSTEM DETAILS	
DATE: JANUARY 2023	SCALE: NONE
SHEET NO: 80	OF No. 80
DRAWING NO. SC1-104	

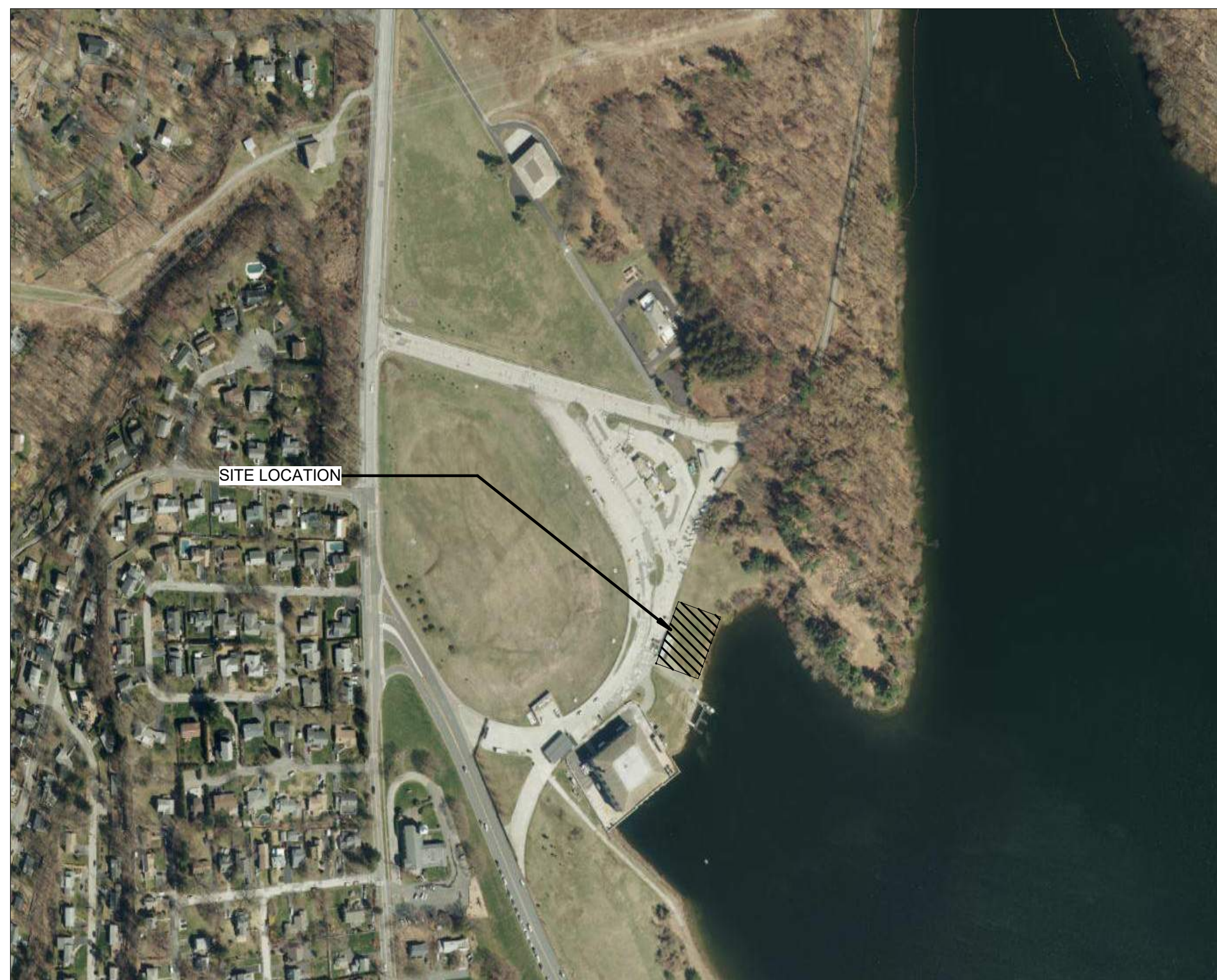


**NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY
DIVISION OF INFRASTRUCTURE DESIGN & CONSTRUCTION**

**CONTRACT NO. CRO-557E
TOWN OF MOUNT PLEASANT, NY**

**WATERFOWL
MANAGEMENT
PROGRAM BUILDING
AND PAVING**

**CONFORMED
JULY 2023**



KEY PLAN



LOCATION PLAN

CONFORMED SET

7/21/2023

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APPROVED FOR THE CITY OF NEW YORK

TODD WEST, P. E.
DIRECTOR - PLANNING
BUREAU OF WATER SUPPLY

PAUL V. RUSH, P.E.
DEPUTY COMMISSIONER
BUREAU OF WATER SUPPLY

ROHIT T. AGGARWALA
COMMISSIONER
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

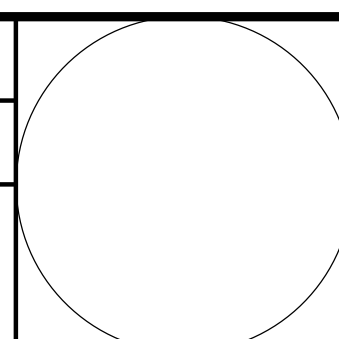
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING AT KENSICO CAMPUS MOUNT PLEASANT, NY

SHEET NO.	DRAWING NO.	TITLE
<u>GENERAL</u>		
1	G1-000	COVER PAGE
2	G1-001	SHEET INDEX
 <u>ELECTRICAL</u>		
3	E1-001	LEGEND, ABBREVIATIONS AND NOTES
4	E1-100	SITE PLAN AND TRENCH DETAILS
5	E1-101	LIGHTING PLAN
6	E1-102	POWER PLAN
7	E1-103	SIGNAL PLAN
8	E1-104	LIGHTNING PROTECTION PLAN
9	E1-300	SINGLE LINE DIAGRAMS
10	E1-301	SCHEDULES
11	E1-302	DETAILS
12	E1-303	DETAILS
13	E1-304	DETAILS
14	E1-305	LIGHTING PROTECTION DETAILS

CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK GENERAL SHEET INDEX	DATE: JANUARY 2021 SCALE: SHEET NO: 2 OF No. 14 DRAWING NO. G1-001

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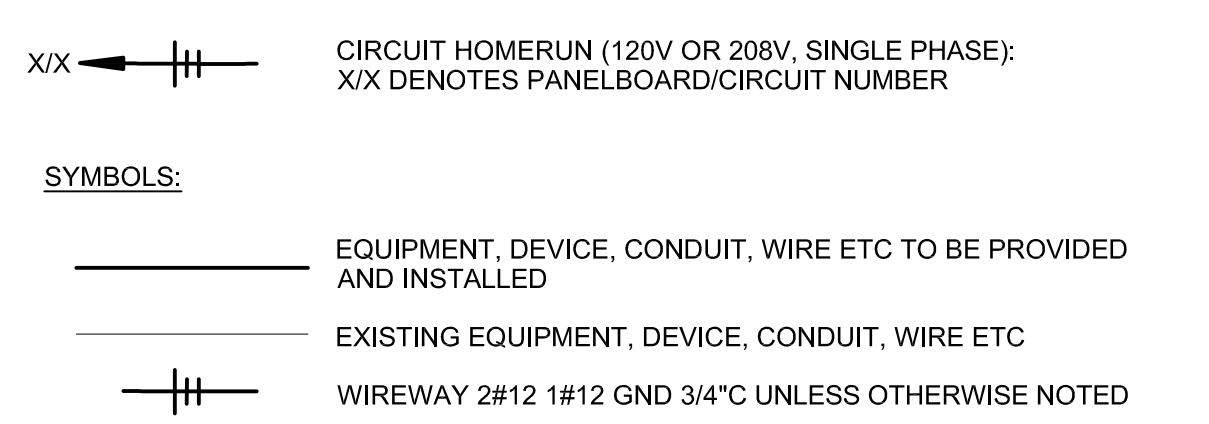
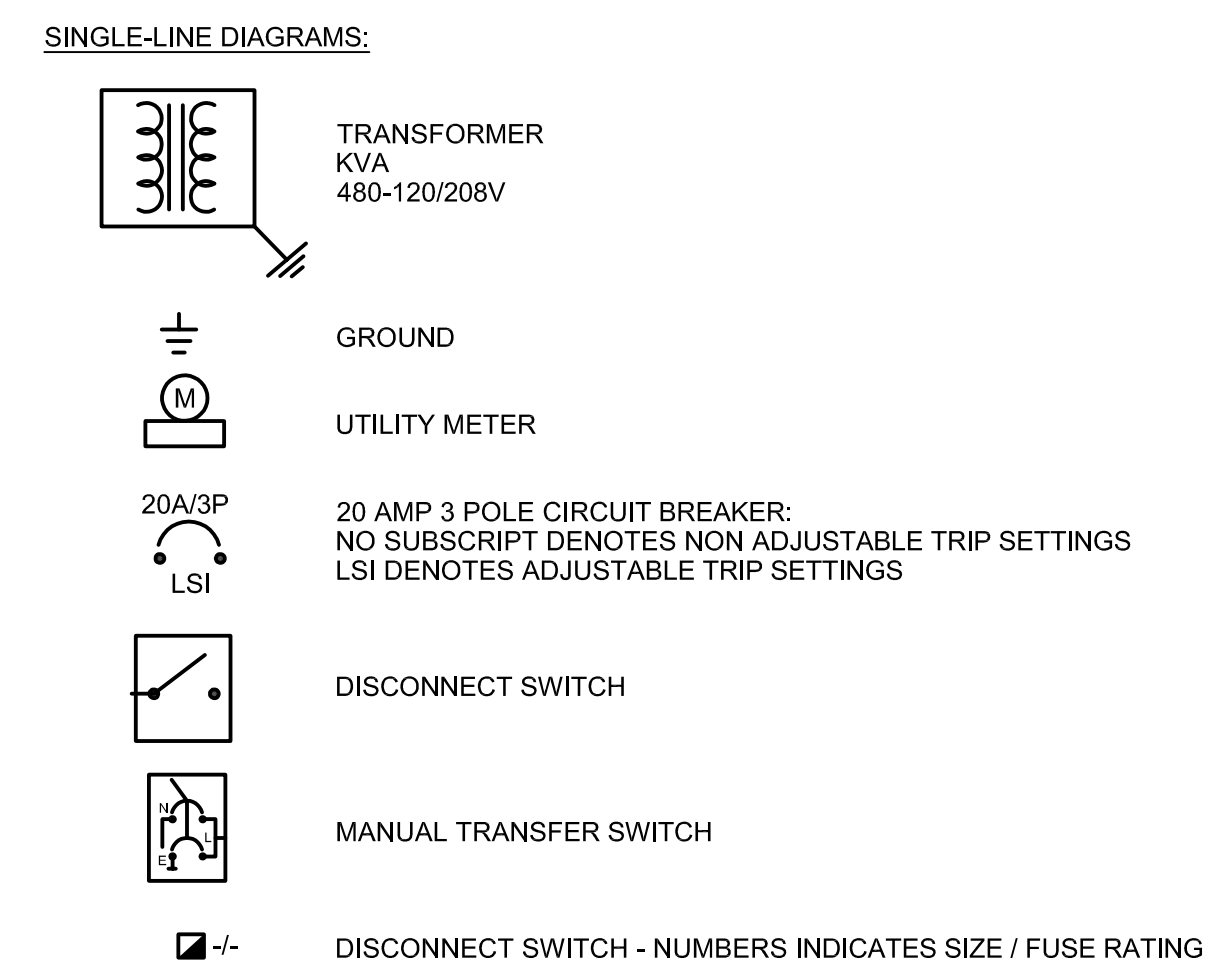
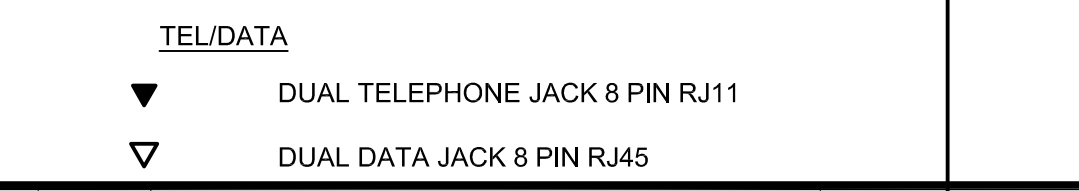
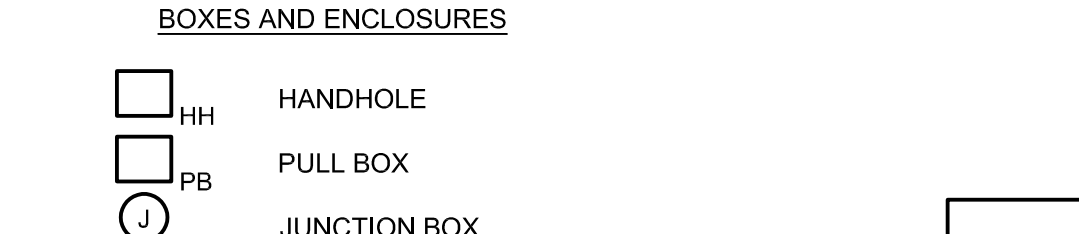
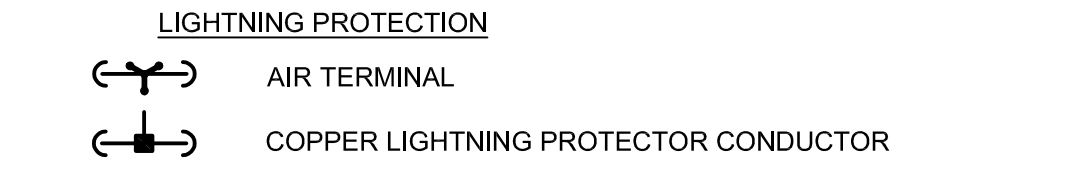
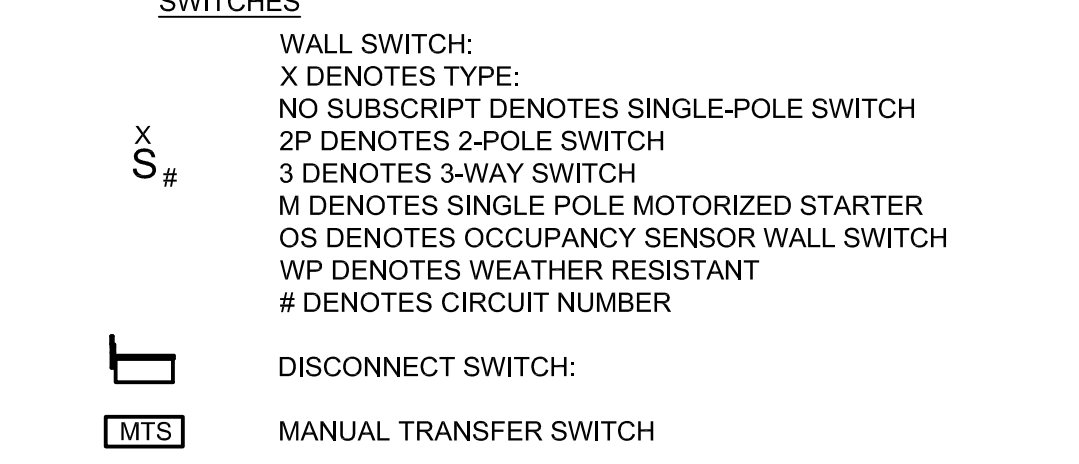
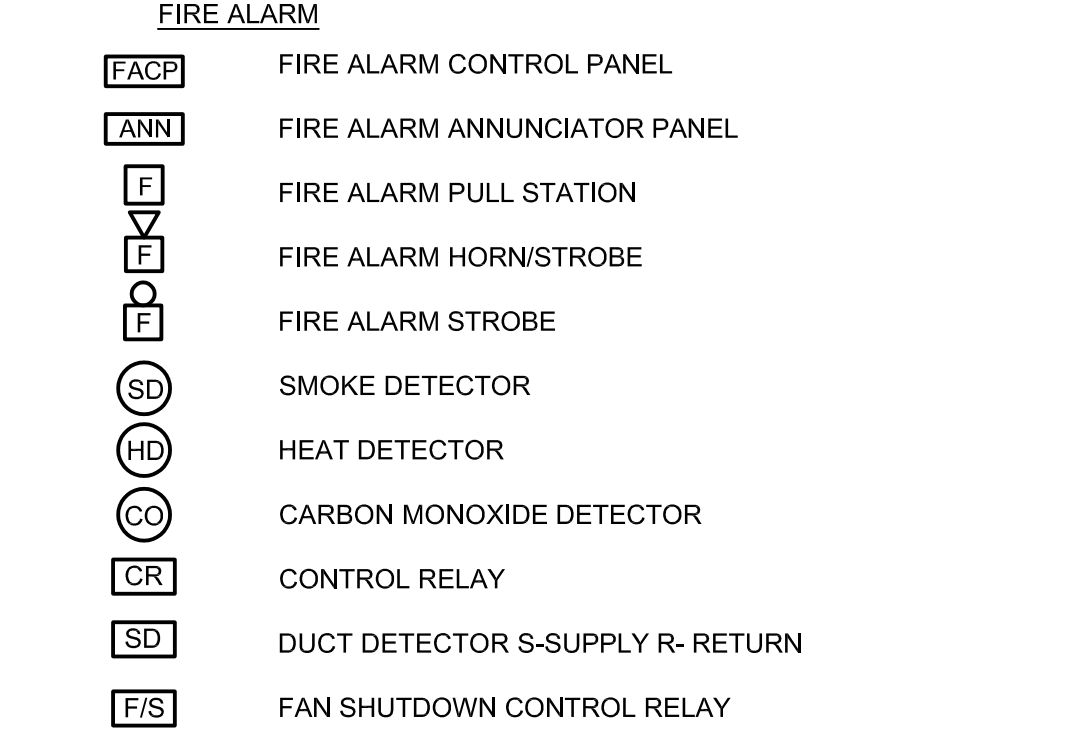
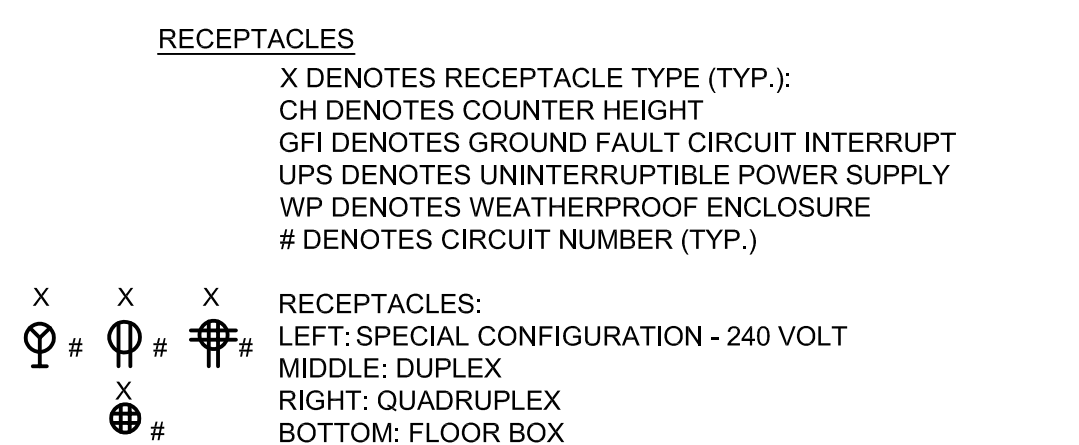
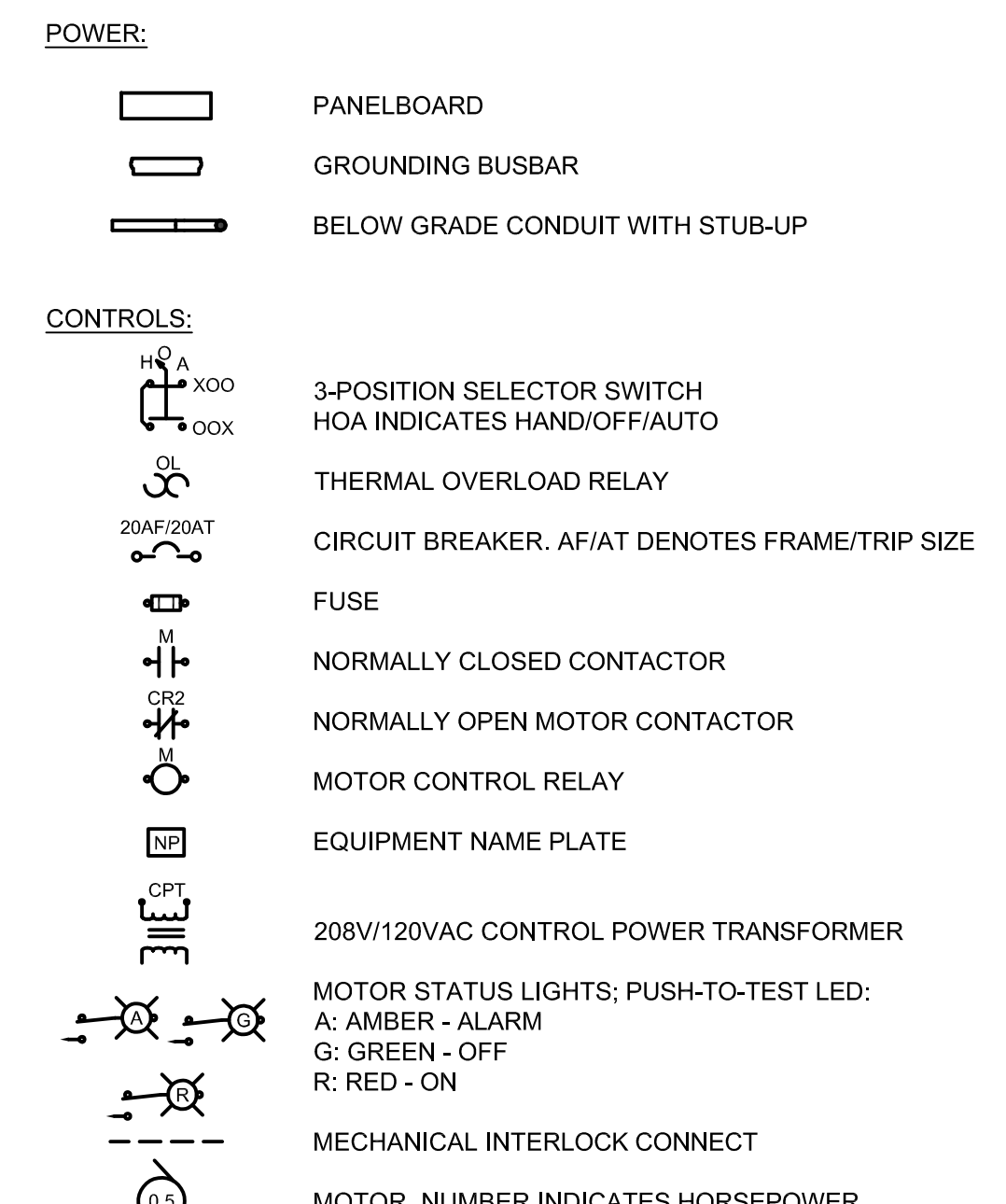
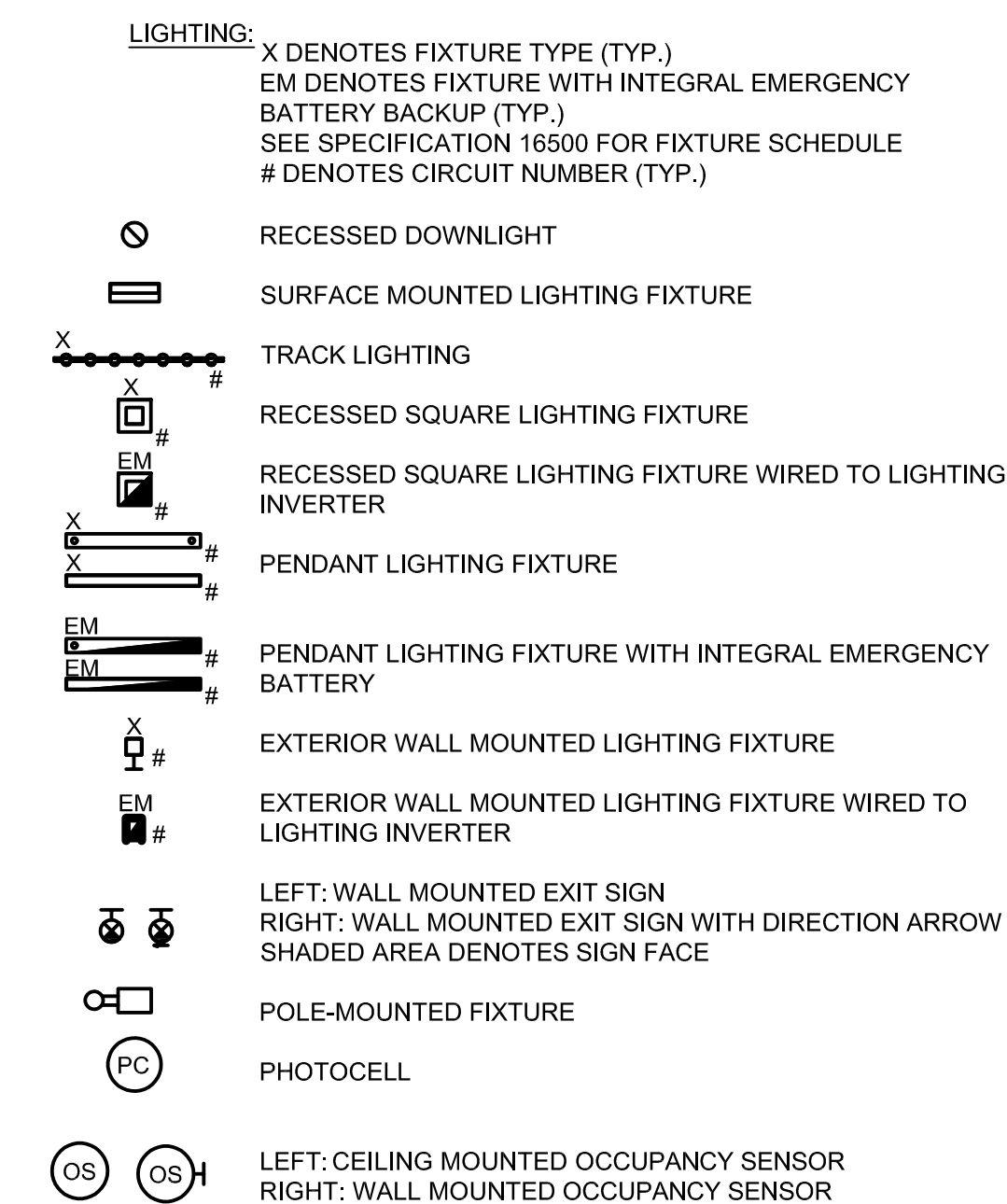
DESIGNED BY: M. LOPEZ	DRAWN BY: M. LOPEZ
CHECKED BY: E. BARBOE, P.E.	DESIGN LEAD: EDWARD BARBOE, P.E.



ACCOUNTABLE MANAGER JOSE NIEVES
PORTFOLIO MANAGER MARK DELBALZO, P.E.

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VALHALLA, NEW YORK 10595-1336
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THE ABBREVIATIONS AND SYMBOLS LISTED HEREIN ARE STANDARDS OF THIS OFFICE AND APPLY TO A VARIETY OF PROJECTS. ONLY A PORTION OF THEM WILL NECESSARILY APPLY TO ANY GIVEN PROJECT. SEE THE LISTINGS IN OTHER SECTIONS OF THIS DOCUMENT FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS.

- NOTES:**
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE CONCRETE ENCASED.
 - THE INSTALLATION OF ALL CONCRETE ENCASED ELECTRICAL CONDUITS SHALL COMPLY WITH ACI 318, SECTION 6.3. CONTRACTOR SHALL SUPPLY EXPANSION/DEFLECTION JOINT FITTINGS AS REQUIRED FOR THERMAL EXPANSION AND DEFLECTION AT ALL BUILDINGS.
 - UNLESS OTHERWISE SPECIFIED OR NOTED, ALL WALL MOUNTED ELECTRICAL PANELS, ENCLOSURES, AND SIMILAR EQUIPMENT SHALL BE MOUNTED 6'-6" (MAX) FROM THE TOP OF THE PANEL TO FINISHED FLOOR OR GRADE.
 - UNLESS OTHERWISE NOTED, ALL LIGHTING SWITCHES, CONTROL SWITCHES, AND SIMILAR EQUIPMENT SHALL BE MOUNTED WITH THEIR CENTERLINE APPROXIMATELY 4'-0" ABOVE FINISHED FLOOR, SLAB, OR GRADE.
 - A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH CIRCUIT (SEPARATE CONDUCTOR IN THE CONDUIT). THE CONDUCTOR SHALL BE TERMINATED AT THE PROPER DEVICE, TERMINAL, OR LUG AT THE POWER SOURCE (PANELBOARD GROUND BUS, ETC.). GROUND CONDUCTOR SIZE SHALL BE PER THE LATEST EDITION OF THE NEC.
 - UNLESS SPECIFICALLY NOTED OTHERWISE, EXISTING PAVEMENT SHALL BE SAW CUT AND REMOVED TO ALLOW FOR THE INSTALLATION OF ELECTRICAL DUCTBANKS. AFTER INSTALLATION, REPLACE PAVEMENT WITH NEW TO MATCH ORIGINAL CONDITIONS.
 - REFERENCE SECTION 01520 FOR CONSTRUCTION SEQUENCING REQUIREMENTS.
 - OWNER RESERVES THE RIGHT TO MOVE EQUIPMENT LOCATION 10'-0" FROM WHERE SHOWN ON CONTRACT DRAWINGS WITH NO ADDITIONAL COST.
 - CONDUIT LOCATIONS SHOWN ON CONTRACT DRAWINGS ARE APPROXIMATE. VERIFY ALL OBSTRUCTIONS IN FIELD.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ELECTRICAL RATINGS FROM CERTIFIED DRAWINGS OF EQUIPMENT AND SHALL MAKE ANY BRANCH CIRCUIT DISTRIBUTION MODIFICATION REQUIREMENTS WITHOUT ANY ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF SUCH CHANGES FOR APPROVAL BY ENGINEER.
 - THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING REASONABLE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK, AND OTHER PROPERTY.

- ABBREVIATIONS:**
- A AMPERAGE
 - ACCU AIR CONDITIONING CONDENSING UNIT
 - AHU AIR HANDLING UNIT
 - AIC AMPERE INTERRUPTING CAPACITY
 - ANN FIRE ALARM ANNUNCIATOR PANEL
 - ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 - ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
 - ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 - C CONDUIT
 - CH COUNTER HEIGHT
 - CPT CONTROL POWER TRANSFORMER
 - CR CONTROL RELAY
 - EM EMERGENCY
 - FACP FIRE ALARM CONTROL PANEL
 - GFI GROUND FAULT CIRCUIT INTERRUPTER
 - GND GROUND
 - HH HANDHOLE
 - IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 - J JUNCTION BOX
 - LP LIGHTING PANEL
 - MTD MOUNTED
 - MTS MANUAL TRANSFER SWITCH
 - NEC NATIONAL ELECTRICAL CODE
 - NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSN
 - NFPA NATIONAL FIRE PROTECTION ASSOCIATION
 - NP NAMEPLATE
 - NTS NOT TO SCALE
 - OL OVERLOAD
 - OS OCCUPANCY SENSOR
 - PB PULLBOX
 - PC PHOTOCCELL
 - PRI PRIMARY
 - SEC SECONDARY
 - TSH TWISTED SHIELDED
 - TYP TYPICAL
 - UPS UNINTERRUPTIBLE POWER SUPPLY
 - WP WEATHER PROOF

THE ABBREVIATIONS AND SYMBOLS LISTED HEREIN ARE STANDARDS OF THIS OFFICE AND APPLY TO A VARIETY OF PROJECTS. ONLY A PORTION OF THEM WILL NECESSARILY APPLY TO ANY GIVEN PROJECT. SEE THE LISTINGS IN OTHER SECTIONS OF THIS DOCUMENT FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS.

CONTRACTOR TO HIRE SERVICES OF 3RD PARTY FOR MARKING OUT ALL UNDERGROUND UTILITIES. MARK OUT UNDER AND 6'-0" BOTH SIDES OF EXCAVATION AREA AND ENTIRE LENGTH. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED UTILITIES AND COST FOR THE REPAIRS.

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
A	7/23	CONFORMED	CR

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DESIGNED BY: J. DULAK
 CHECKED BY: G. LYNCH

DRAWN BY: W. MORGAN
 DESIGN LEAD: G. LYNCH

Hazen

NYC Environmental Protection

ACCOUNTABLE MANAGER: JOSE NIEVES
 PROJECT MANAGER: MARK DELBALZO, P.E.

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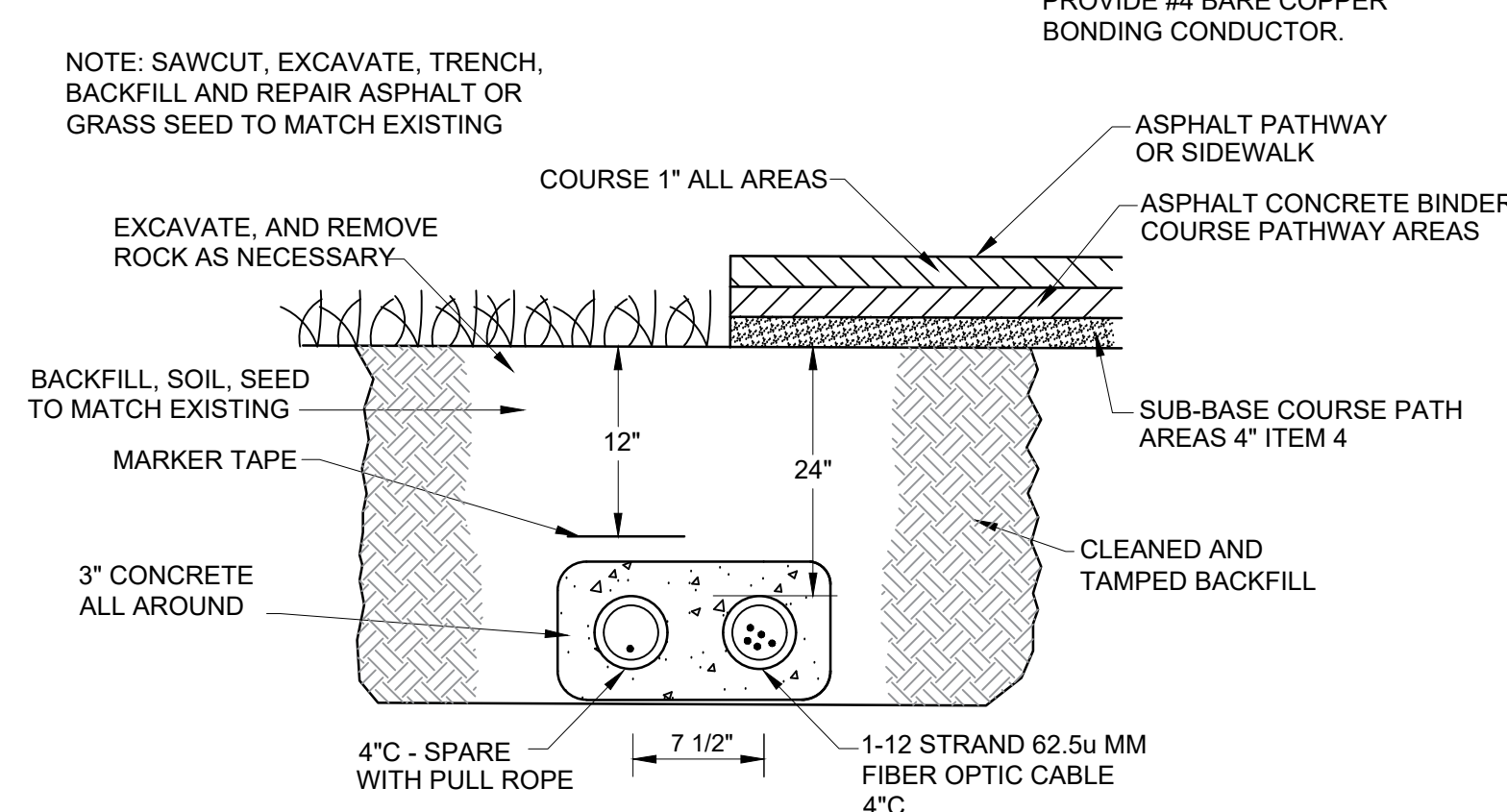
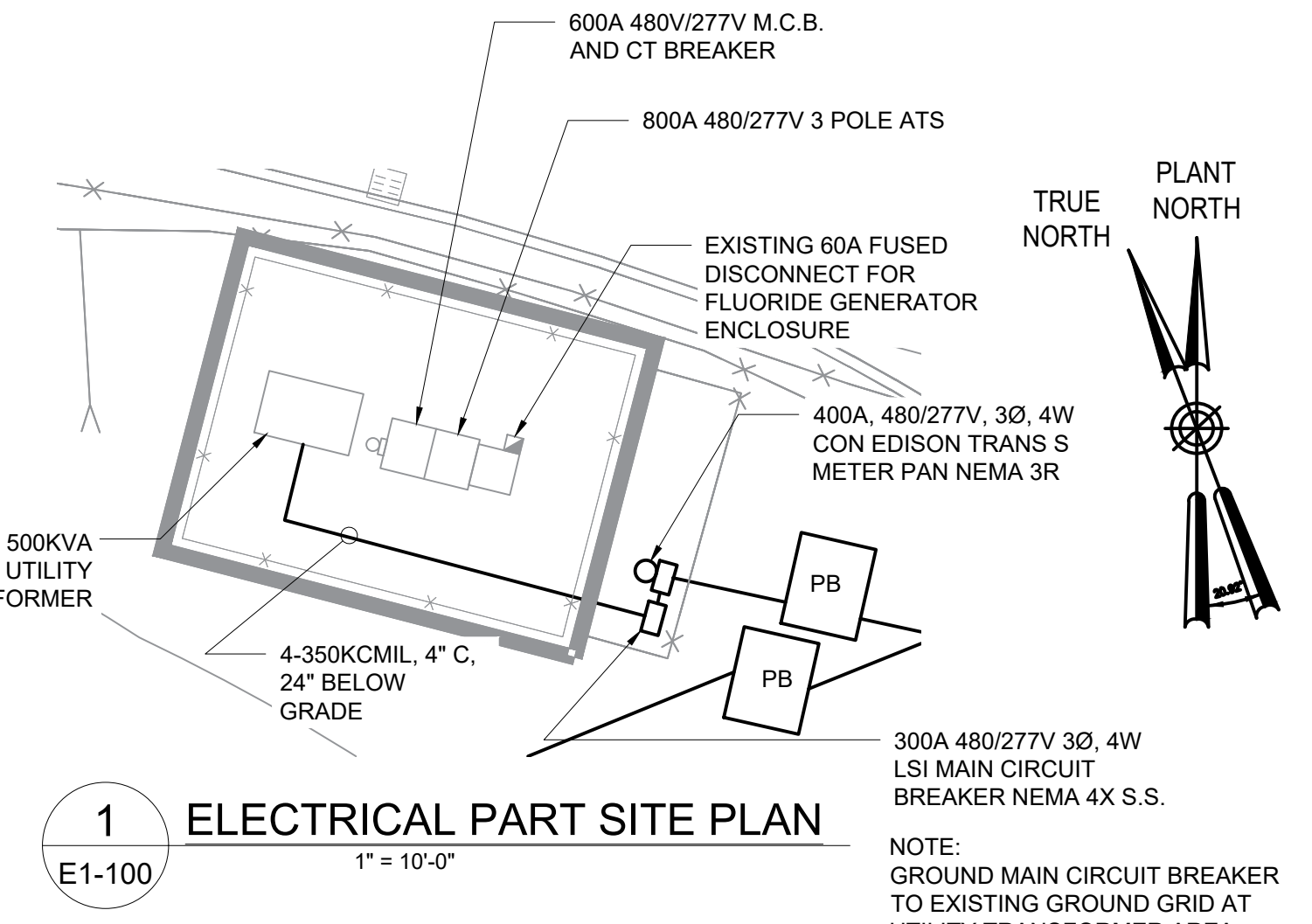
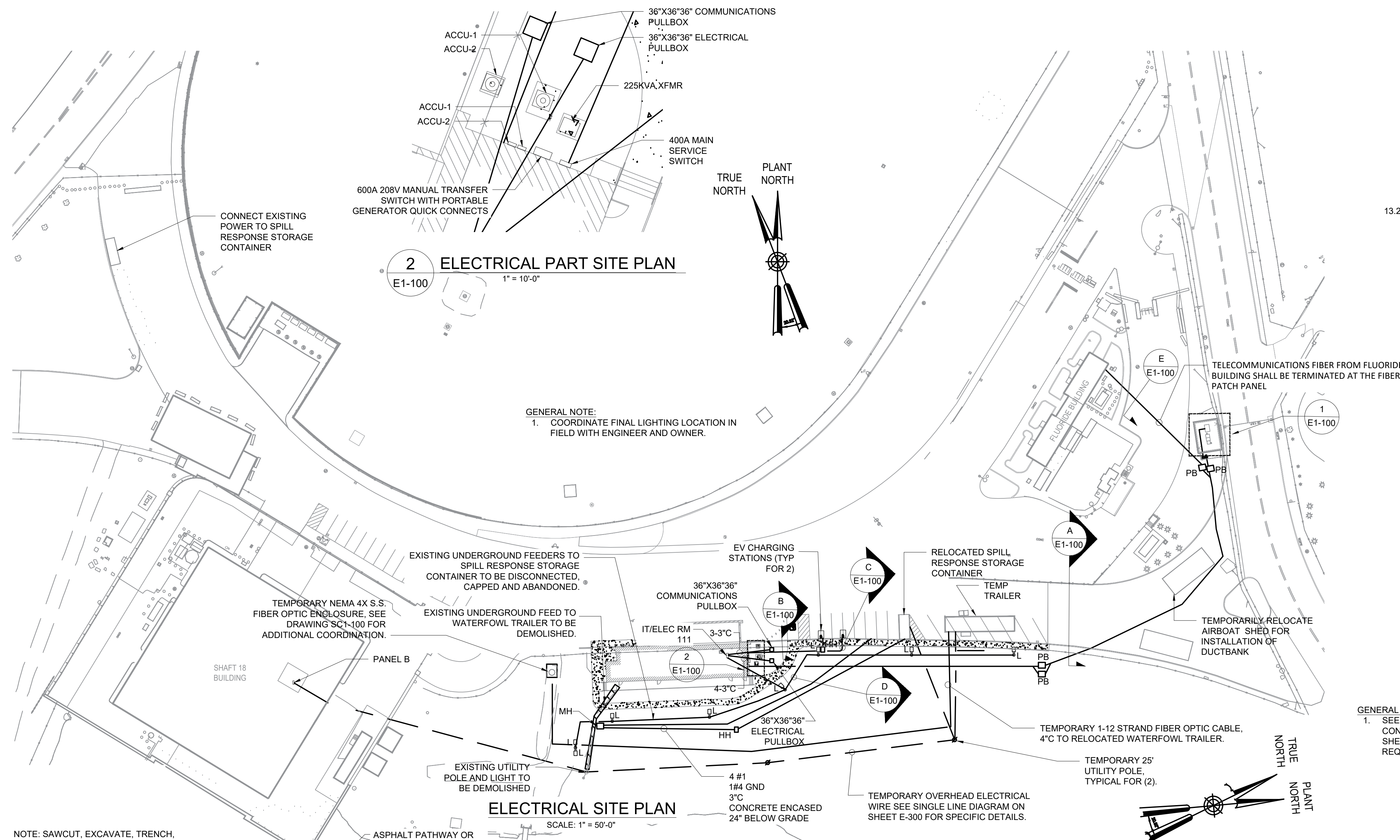
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DATE: JANUARY 2023
 SCALE:
 SHEET NO: 3 OF No. 14
 DRAWING NO. E0-001

WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
 MOUNT PLEASANT, NEW YORK

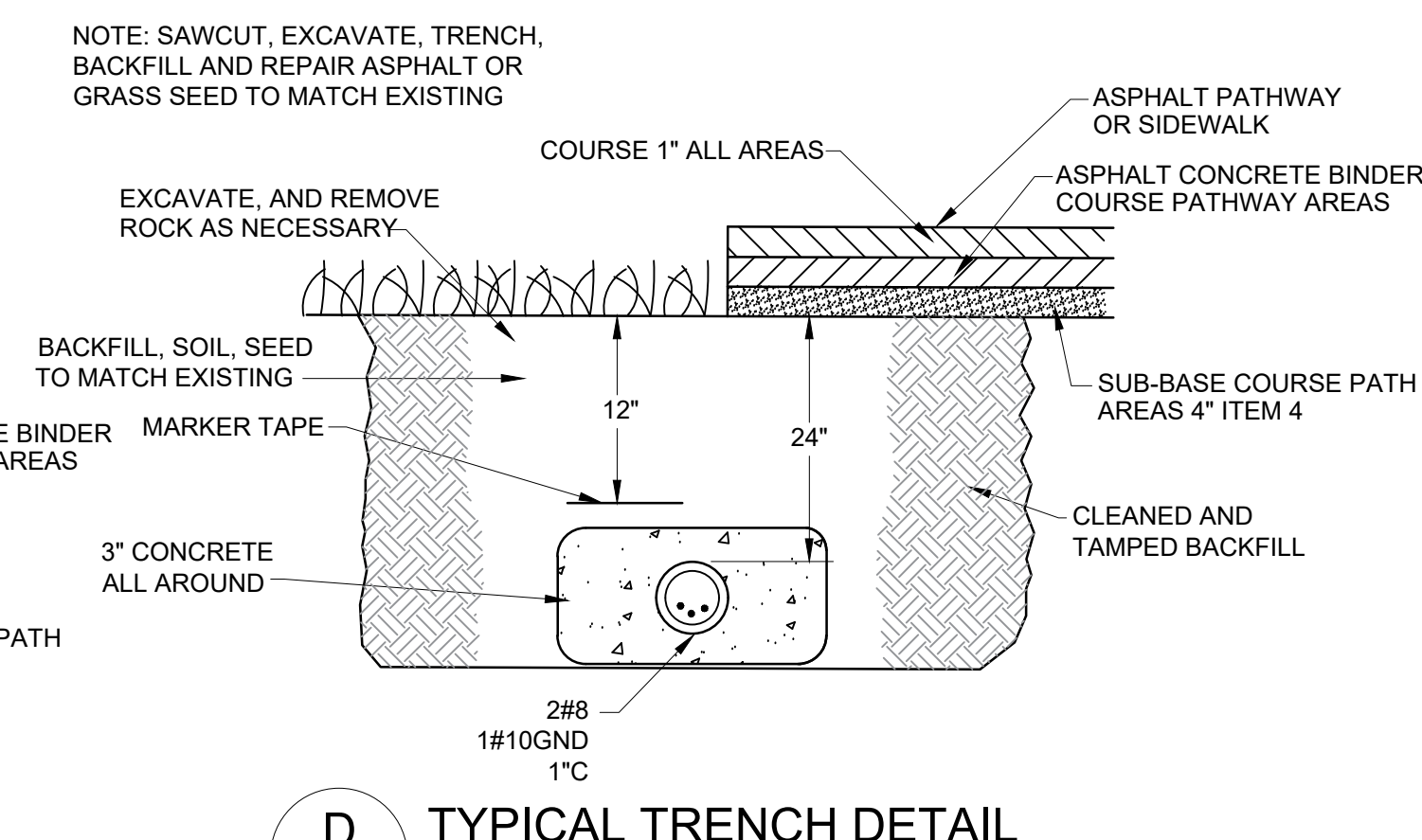
ELECTRICAL
 LEGEND, ABBREVIATION AND NOTES

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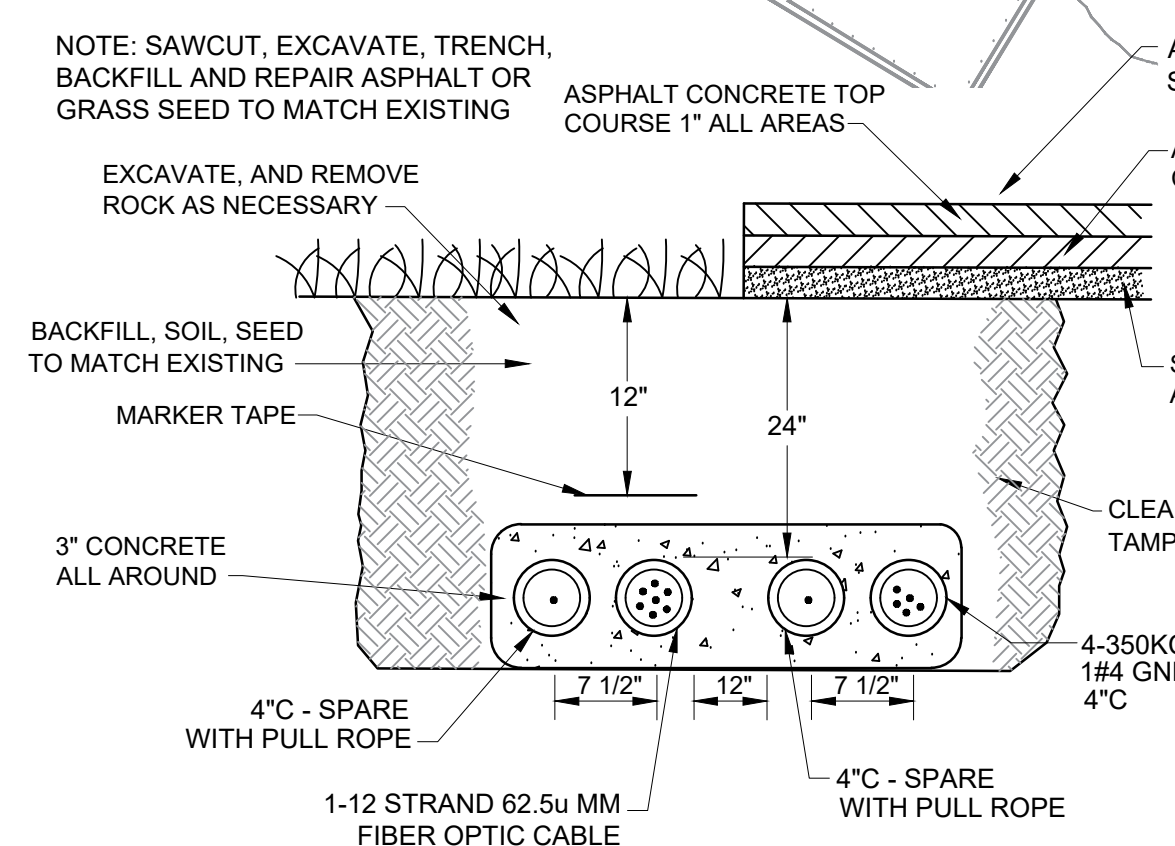


E TYPICAL TRENCH DETAIL
E1-100 SCALE: 1"= NONE

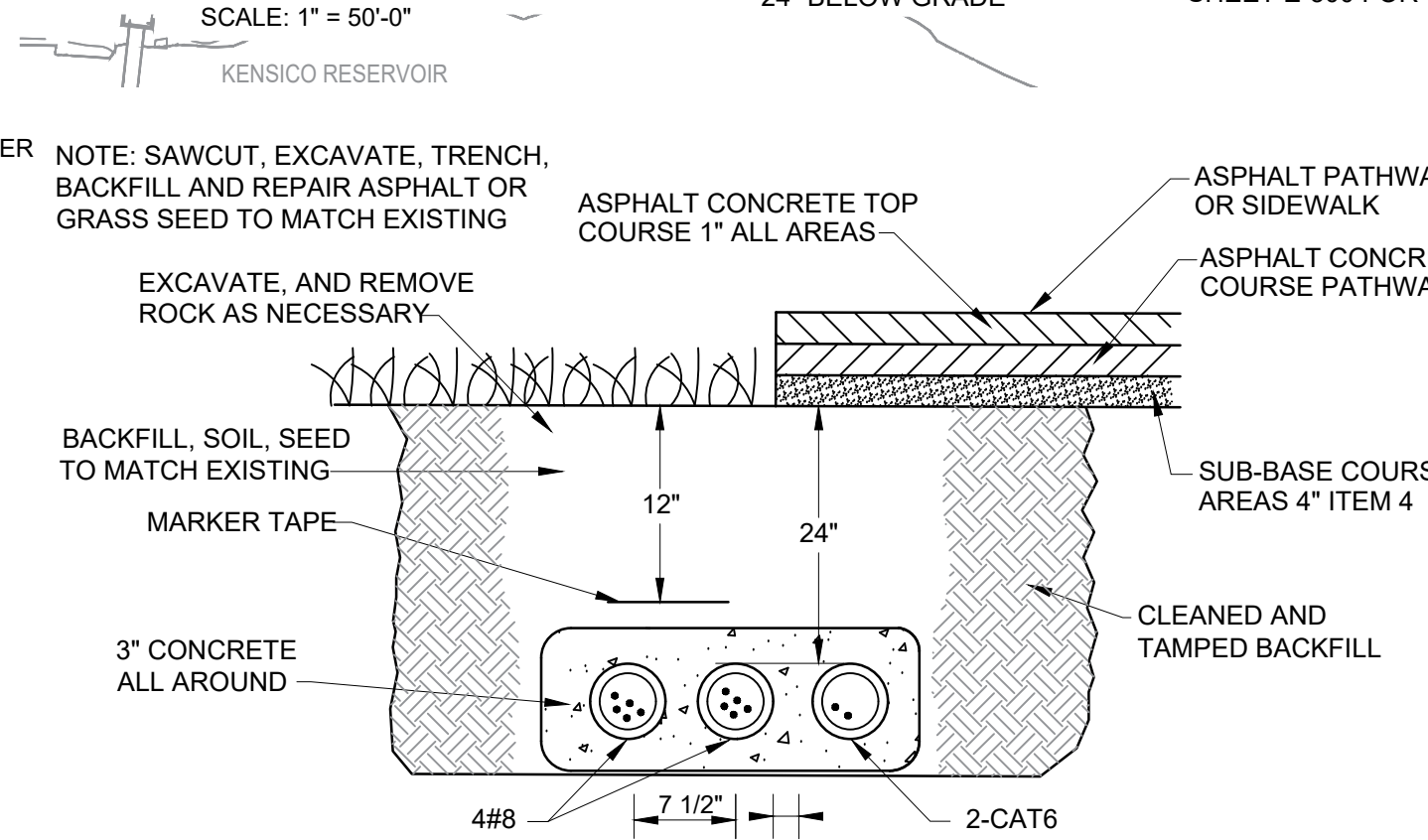
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1. SEE DETAILS ON E1-303 FOR DUCTBANK CONSTRUCTION. TRENCH DETAILS ON THIS SHEET ONLY DEPICT DEPTH AND WIRING REQUIREMENTS.



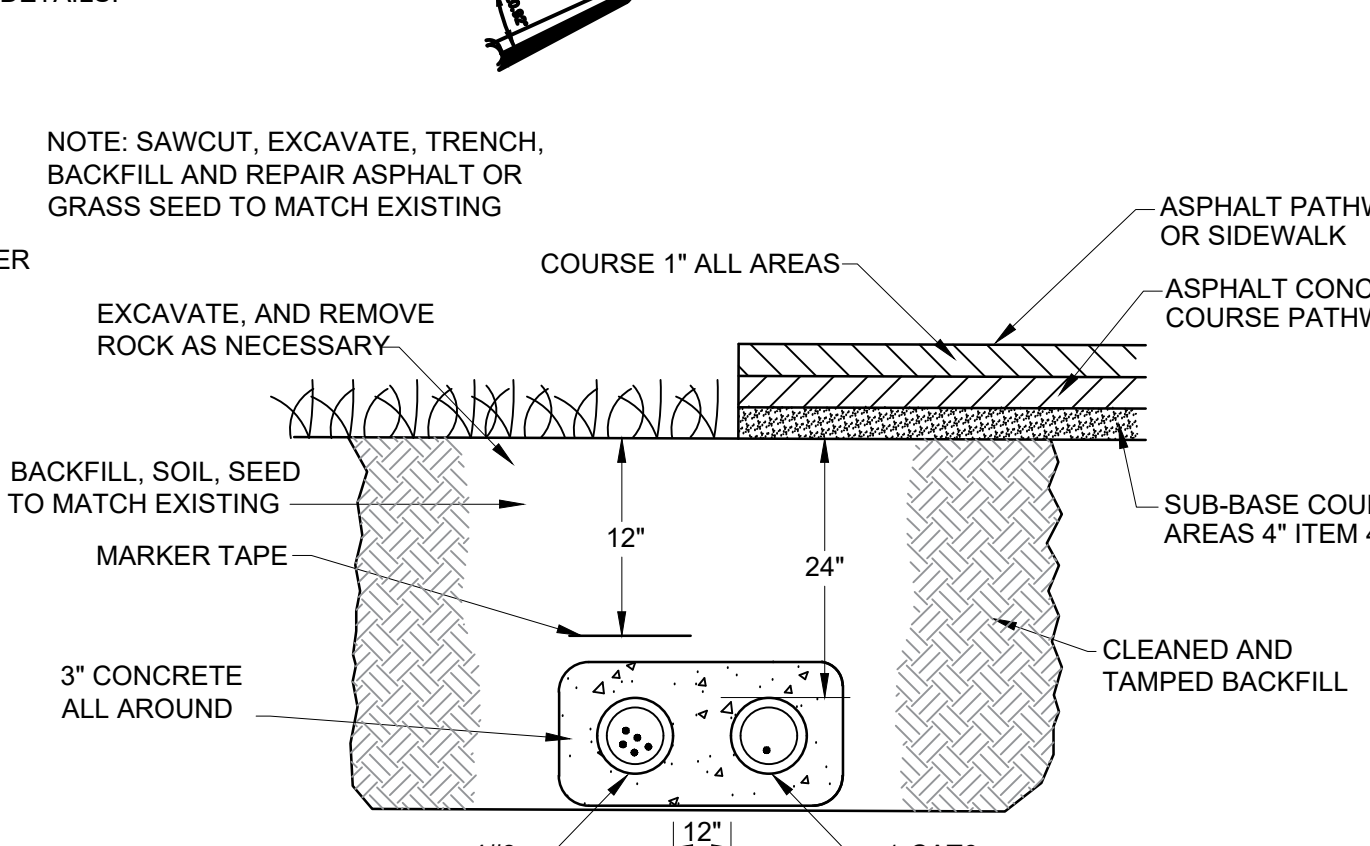
D TYPICAL TRENCH DETAIL
E1-100 SCALE: 1"= NONE



A TYPICAL TRENCH DETAIL
E1-100 SCALE: 1"= NONE



B TYPICAL TRENCH DETAIL
E1-100 SCALE: 1"= NONE



C TYPICAL TRENCH DETAIL
E1-100 SCALE: 1"= NONE



DESIGNED BY:
J. DULAK
CHECKED BY:
G. LYNCH
DRAWN BY:
W. MORGAN
DESIGN LEAD:
G. LYNCH



ACCOUNTABLE MANAGER
JOSE NIEVES
PROJECT MANAGER
MARK DELBALZO, P.E.

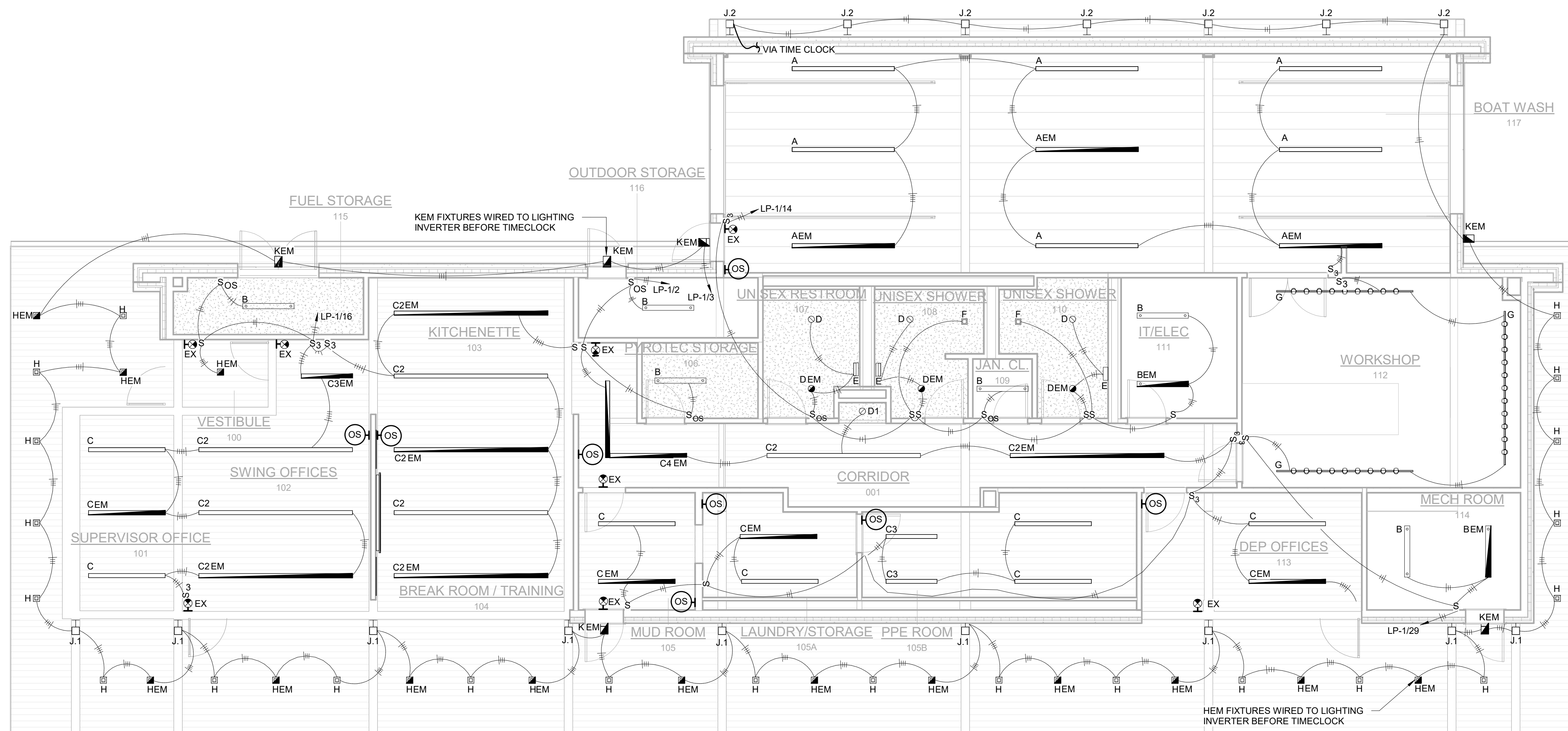
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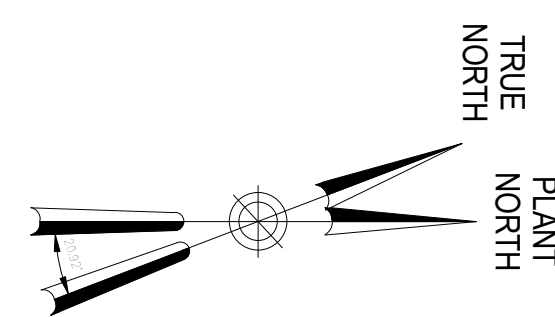
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK		DATE: JANUARY 2023 SCALE: 1" = 50'	
ELECTRICAL SITE PLAN AND TRENCH DETAILS		SHEET NO: 4 OF No. 14	
		DRAWING NO. E1-100	

File: H:\NATURAL DRAWINGS\1909 WATERFOWL & KENSICO LAB\AUTODWG\2021.01.08 WEB 100% E1-100.dwg, Date: 12/16/2022, 11:36 AM

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REFLECTED CEILING PLAN - LIGHTING
3/16" = 1'-0"



NOTE:

1. TO THE GREATEST EXTENTS POSSIBLE ALL CONDUITS SHALL BE RUN BELOW THE FLOOR OR IN SLAB. COORDINATE ROUTING IN FIELD.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF ALL LIGHT SWITCHES.

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 CHECKED BY: G. LYNCH

DRAWN BY: W. MORGAN
 DESIGN LEAD: G. LYNCH

Hazen



ACCOUNTABLE MANAGER
 JOSE NIEVES
 PORTFOLIO MANAGER
 MARK DELBALZO, P.E.

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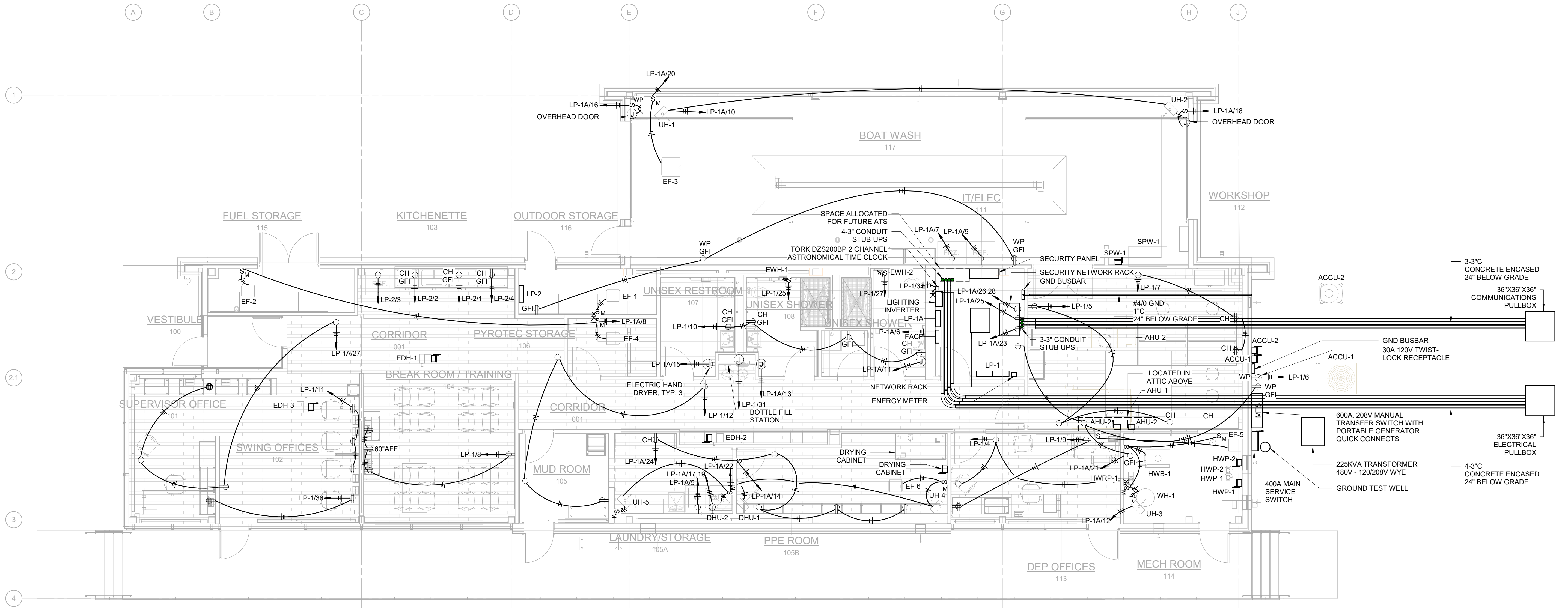
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WATERFOWL MANAGEMENT PROGRAM BUILDING
 AND PAVING
 MOUNT PLEASANT, NEW YORK
 ELECTRICAL
 LIGHTING PLAN

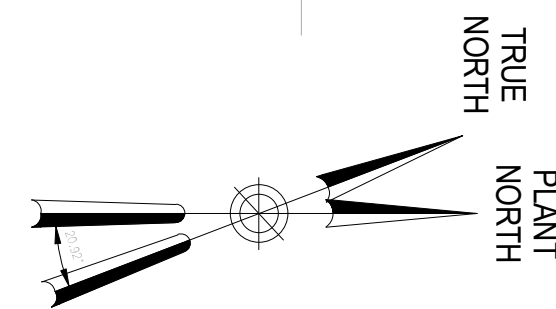
DATE: JANUARY 2023
 SCALE:
 SHEET NO:
 5 OF No. 14
 DRAWING NO.
 E1-101

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
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FLOOR PLAN - POWER
3/16" = 1'-0"



- NOTE:**
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 - REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF ALL RECEPTACLES.

Autodesk Docs/09/09/2024_CAT-423 WOC-02A-Waterfowl Mgmt Program/09/09/2024_E_WFB.rvt
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CHECKED BY: G. LYNCH	DESIGN LEAD: G. LYNCH

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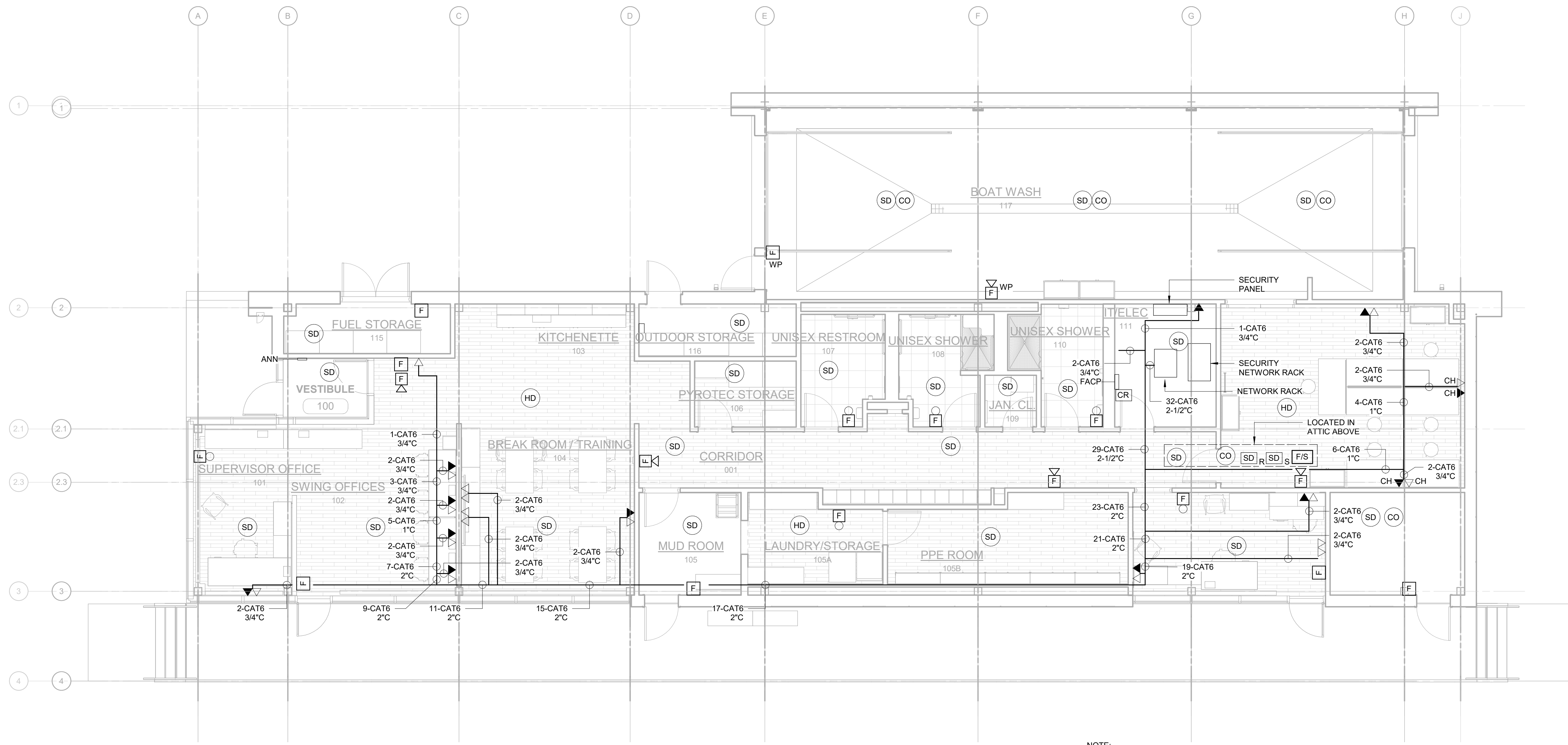
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PORTFOLIO MANAGER
MARK DELBALZO, P.E.

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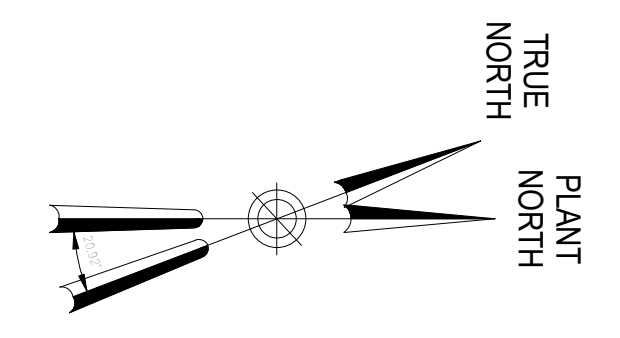
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ELECTRICAL POWER PLAN	DATE: JANUARY 2023 SCALE: SHEET NO: 6 OF No. 14 DRAWING NO. E1-102

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FLOOR PLAN - SIGNAL
3/16" = 1'-0"



- NOTE:**
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 2. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF ALL TELEPHONE AND DATA OUTLETS.

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DESIGNED BY: J. DULAK
DRAWN BY: W. MORGAN
CHECKED BY: G. LYNCH
DESIGN LEAD: G. LYNCH

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ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
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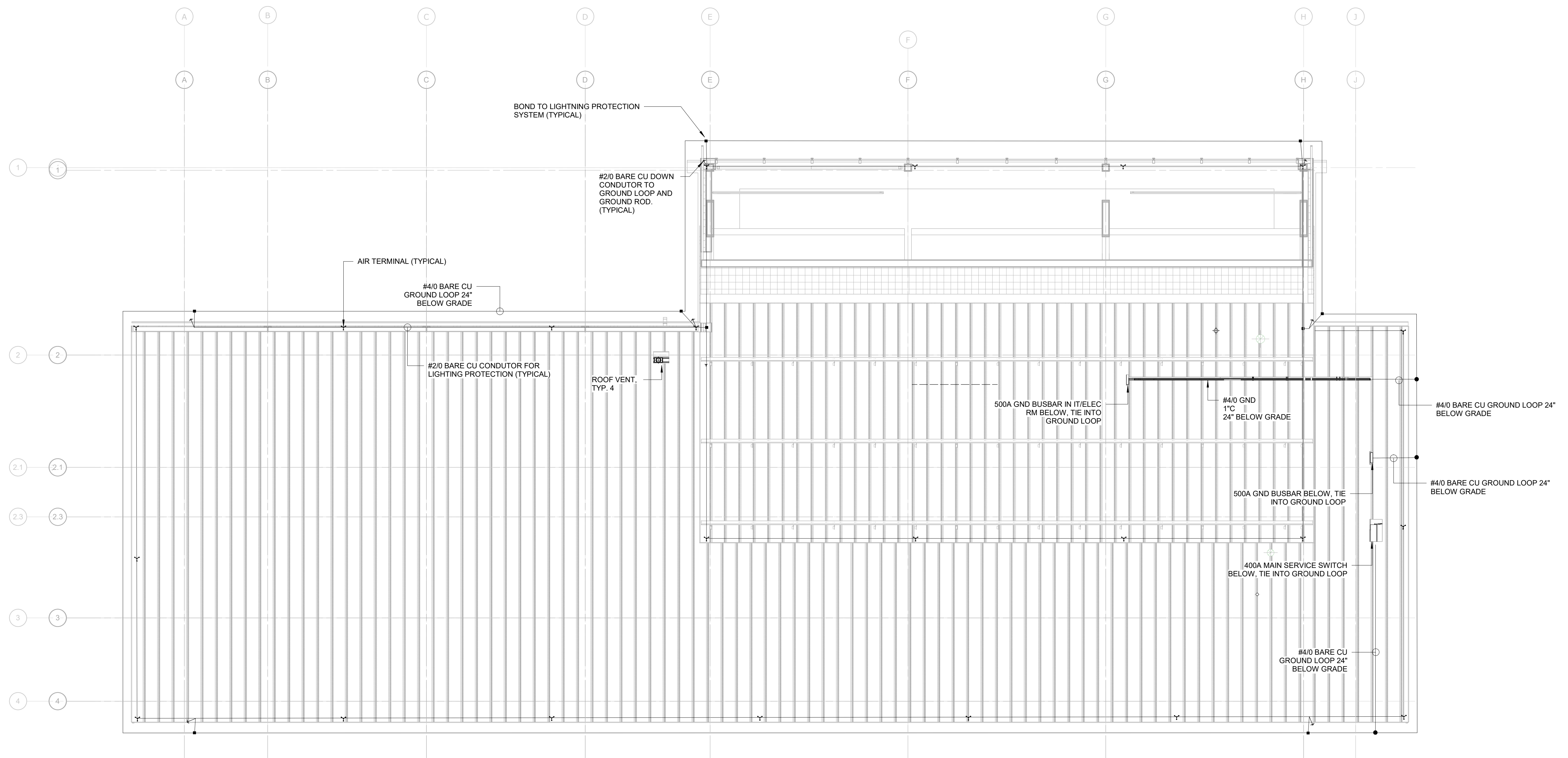
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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
ELECTRICAL
SIGNAL PLAN

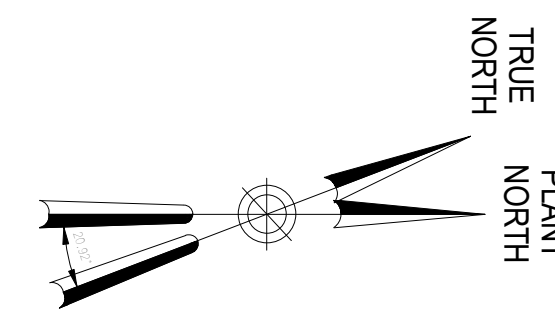
DATE: JANUARY 2023
SCALE:
SHEET NO:
7 OF No. 14
DRAWING NO.
E1-103

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D

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ROOF PLAN - LIGHTNING PROTECTION
3/16" = 1'-0"



Autodesk Docs/050306_02A_CAT-423 W002A-Waterfowl Mgmt Program/050306-02A_E_WFB.rvt 12/18/2022 10:06:36 AM

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CHECKED BY: G. LYNCH	DESIGN LEAD: G. LYNCH

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ACCOUNTABLE MANAGER
JOSE NIEVES
PORTFOLIO MANAGER
MARK DELBALZO, P.E.

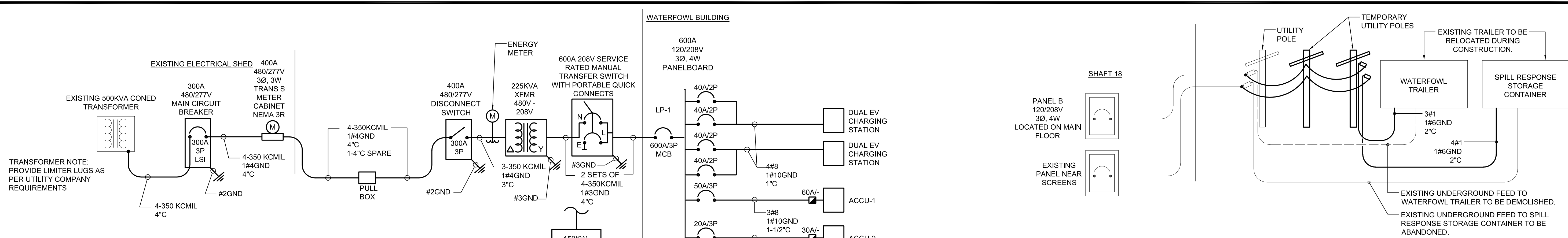
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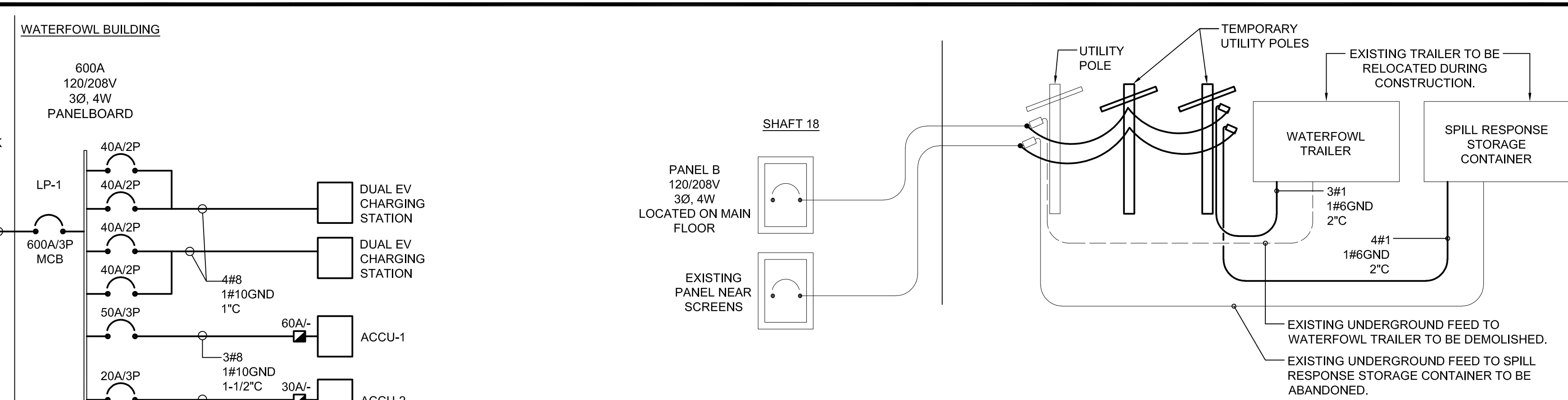
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK ELECTRICAL LIGHTNING PROTECTION PLAN	DATE: JANUARY 2023 SCALE: SHEET NO: 8 OF No. 14 DRAWING NO. E1-104

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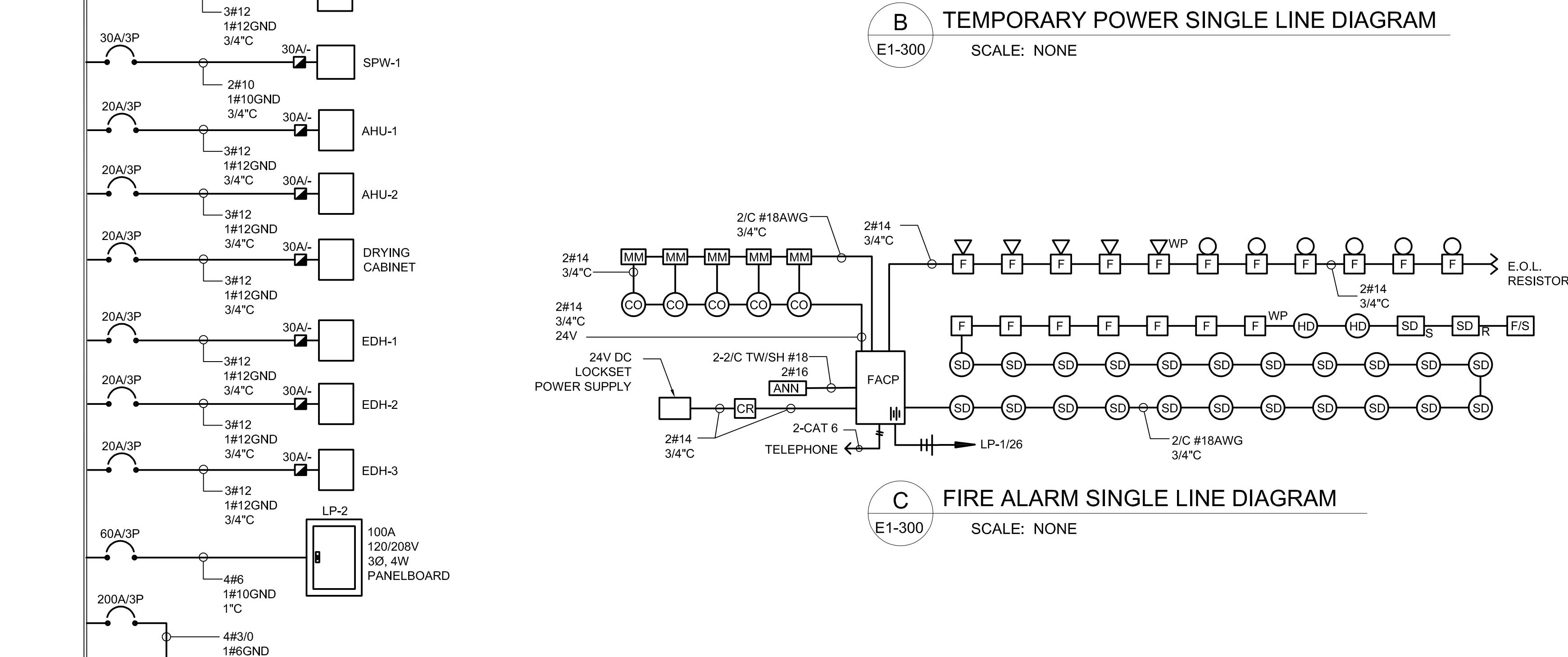
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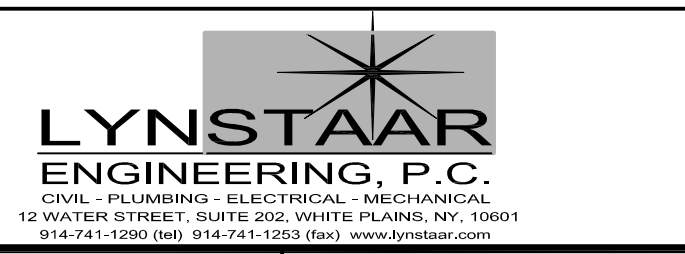
A POWER SINGLE LINE DIAGRAM
E1-300 SCALE: NONE



B TEMPORARY POWER SINGLE LINE DIAGRAM
E1-300 SCALE: NONE



C FIRE ALARM SINGLE LINE DIAGRAM
E1-300 SCALE: NONE



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CHECKED BY: G. LYNCH	DESIGN LEAD: G. LYNCH
Hazen	



ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION 7209.2.*
PROJECT MANAGER MARK DELBALZO, P.E.	

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ELECTRICAL SINGLE LINE DIAGRAMS	
DATE: JANUARY 2023	SHEET NO: 9 OF No. 14
DRAWING NO. E1-300	

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PANELBOARD LP-1 (SECTION 1) SCHEDULE									
MAIN BUS RATINGS: 600A, 120/208 VOLTS, 3Ø, 4 WIRE					FED FROM: 225KVA XFMR				
SHORTCIRCUIT INTERRUPTION RATING: 22,000 AIC					INCOMING FEED: 2 SETS OF				
MAIN BREAKER TRIP: 600A					4-350KCMIL, 1 #3GND				
ESTIMATED CONNECTED LOAD: 128.1 KW					ENCLOSURE: NEMA 12				
					PROVIDE FEED THRU LUGS				
					SURGE PROTECTION DEVICE				
DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A B C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION	
GFI RECEPTACLES	.60	20A/1P	1	---●---	2	20A/1P	.89	LIGHTING	
EXTERIOR LTG	.27	20A/1P	3	---●---	4	20A/1P	.80	DEP OFFICES	
WORKSHOP RECEP.	.60	20A/1P	5	---●---	6	30A/1P	-	GENERATOR RECEP.	
WORKSHOP RECEP.	1.0	20A/1P	7	---●---	8	20A/1P	1.0	OFFICES RECEP.	
DEP OFFICES RECEP.	.80	20A/1P	9	---●---	10	20A/1P	.80	GFCI RECEP.	
COMPUTER RECEP.	1.2	20A/1P	11	---●---	12	20A/1P	.80	CONVENIENCE RECEP.	
ACCU-1	14.8	50A/3P	13	---●---	14	20A/1P	.85	LIGHTING	
			15	---●---	16	20A/1P	1.1	LIGHTING	
			17	---●---	18	40A/2P	7.2	EV CHARGING STATION	
ACCU-2	4.3	20A/3P	19	---●---	20	40A/2P	7.2	EV CHARGING STATION	
			21	---●---	22	40A/2P	7.2	EV CHARGING STATION	
			23	---●---	24	40A/2P	7.2	EV CHARGING STATION	
EWH-1	1.5	20A/1P	25	---●---	26	40A/2P	7.2	EV CHARGING STATION	
EWH-2	1.5	20A/1P	27	---●---	28	40A/2P	7.2	EV CHARGING STATION	
TRACK LIGHTING	1.3	20A/1P	29	---●---	30	40A/2P	7.2	EV CHARGING STATION	
BOTTLE FILL STATION	.20	20A/1P	31	---●---	32	40A/2P	7.2	EV CHARGING STATION	
SPARE	--	20A/1P	33	---●---	34	20A/1P	.25	SITE LIGHTING	
SPARE	--	20A/1P	35	---●---	36	20A/1P	.80	COMPUTER RECP.	
LP-1A	33.82	200A/3P	37	---●---	38	60A/3P	1.6	LP-2	
			39	---●---	40	60A/3P	1.6	LP-2	
			41	---●---	42	60A/3P	1.6	LP-2	

PANELBOARD LP-1 (SECTION 2) SCHEDULE									
MAIN BUS RATINGS: 600A, 120/208 VOLTS, 3Ø, 4 WIRE					FED FROM: 225KVA XFMR				
SHORTCIRCUIT INTERRUPTION RATING: 22,000 AIC					INCOMING FEED: 2 SETS OF				
MAIN BREAKER TRIP: 600A					4-350KCMIL, 1 #3GND				
ESTIMATED CONNECTED LOAD: 127.3 KW					ENCLOSURE: NEMA 12				
					PROVIDE FEED THRU LUGS				
					SURGE PROTECTION DEVICE				
DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A B C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION	
EDH-1	4.3	20A/3P	43	---●---	44	20A/3P	4.3	EDH-2	
			45	---●---	46	20A/3P	4.3	EDH-2	
			47	---●---	48	20A/3P	4.3	EDH-2	
EDH-3	4.3	20A/3P	49	---●---	50	20A/3P	5.0	AHU-1	
			51	---●---	52	20A/3P	5.0	AHU-1	
			53	---●---	54	20A/3P	5.0	AHU-1	
SPW-1	7.92	30A/3P	55	---●---	56	20A/3P	1.2	AHU-2	
			57	---●---	58	20A/3P	1.2	AHU-2	
			59	---●---	60	20A/3P	1.2	AHU-2	
DRYING CABINET	1.5	20A/3P	61	---●---	62	20A/1P	--	SPARE	
			63	---●---	64	20A/1P	--	SPARE	
			65	---●---	66	20A/1P	--	SPARE	
SPARE	--	20A/1P	67	---●---	68	20A/1P	--	SPARE	
SPARE	--	20A/1P	69	---●---	70	20A/1P	--	SPARE	
SPARE	--	20A/1P	71	---●---	72	20A/1P	--	SPARE	
SPARE	--	20A/1P	73	---●---	74	20A/1P	--	SPARE	
SPARE	--	20A/1P	75	---●---	76	20A/1P	--	SPARE	
SPARE	--	20A/1P	77	---●---	78	20A/1P	--	SPARE	
SPARE	--	20A/1P	79	---●---	80	20A/1P	--	SPARE	
SPARE	--	20A/1P	81	---●---	82	20A/1P	--	SPARE	
SPARE	--	20A/1P	83	---●---	84	20A/1P	--	SPARE	


PANELBOARD LP-1A SCHEDULE									
MAIN BUS RATINGS: 200A, 120/208 VOLTS, 3Ø, 4 WIRE					FED FROM: LP-1				
SHORTCIRCUIT INTERRUPTION RATING: 22,000 AIC					INCOMING FEED: 4#3/0, 1#6GND				
MAIN BREAKER TRIP: 200A					ENCLOSURE: NEMA 12				
ESTIMATED CONNECTED LOAD: 33.82 KW					SURGE PROTECTION DEVICE				
DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A B C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION	
HWP-1	1.0	20A/2P	1	---●---	2	20A/2P	1.0	HWP-2	
WASHING MACHINE	1.0	20A/1P	3	---●---	4	20A/1P	1.0	FACP	
			5	---●---	6	20A/1P	1.0	FACP	
			7	---●---	8	20A/1P	.50	EF-1, EF-2, EF-4	
BOAT HOUSE FRDGE	1.0	20A/1P	9	---●---	10	20A/1P	.20	UH-1, UH-2	
SHOWER 110 DRYER	1.0	20A/1P	11	---●---	12	20A/1P	1.0	UH-3, EF-5, HWB-1, WH-1, HWRP-1	
SHOWER 108 DRYER	1.0	20A/1P	13	---●---	14	20A/1P	.96	DHU-1, UH-4, EF-6	
RESTROOM 107 DRYER	1.0	20A/1P	15	---●---	16	20A/1P	1.5	O.H DOOR	
DRYER	8.0	50A/2P	17	---●---	18	20A/1P	1.5	O.H DOOR	
			19	---●---	20	20A/1P	1.6	EF-3	
			21	---●---	22	20A/1P	.96	DHU-2, UH-5	
MAINTENANCE RECEP	.80	20A/1P	23	---●---	24	20A/1P	1.0	PPE RECEPTS.	
IT QUAD	.40	20A/1P	25	---●---	26	30A/2P	5.0	SECURITY RACK UPS	
IT QUAD	1.0	20A/1P	27	---●---	28	30A/2P	5.0	SECURITY RACK UPS	
OFFICE RECPTS	1.0	20A/1P	29	---●---	30	20A/1P	--	SPARE	
SPARE	--	20A/1P	31	---●---	32	20A/1P	--	SPARE	
SPARE	--	20A/1P	33	---●---	34	20A/1P	--	SPARE	
SPARE	--	20A/1P	35	---●---	36	20A/1P	--	SPARE	
SPARE	--	20A/1P	37	---●---	38	20A/1P	--	SPARE	
SPARE	--	20A/1P	39	---●---	40	20A/1P	--	SPARE	
SPARE	--	20A/1P	41	---●---	42	20A/1P	--	SPARE	

PANELBOARD LP-2 SCHEDULE									
MAIN BUS RATINGS: 100A, 120/208 VOLTS, 3Ø, 4 WIRE					FED FROM: LP-1				
SHORTCIRCUIT INTERRUPTION RATING: 22,000 AIC					INCOMING FEED: 4#6, 1#10GND				
MAIN BREAKER TRIP: 60A					ENCLOSURE: NEMA 12				
ESTIMATED CONNECTED LOAD: 1.6 KW					SURGE PROTECTION DEVICE				
DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A B C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION	
KITCHEN RECEPTACLE	.20	20A/1P	1	---●---	2	20A/1P	.20	KITCHEN RECEPTACLE	
REFRIGERATOR	1.0	20A/1P	3	---●---	4	20A/1P	.20	KITCHEN RECEPTACLE	
SPARE	--	20A/1P	5	---●---	6	20A/1P	--	SPARE	
SPARE	--	20A/1P	7	---●---	8	20A/1P	--	SPARE	
SPARE	--	20A/1P	9	---●---	10	20A/1P	--	SPARE	
SPARE	--	20A/1P	11	---●---	12	20A/1P	--	SPARE	

PANELBOARD GENERAL NOTES:


- FOR THREE PHASE CIRCUITS - PROVIDE 3/4" W/ 3#12, 1#12 GND FOR 20 AMP CIRCUITS SERVING EQUIPMENT WITHIN 60' OF PANELBOARD. UNLESS OTHER WISE NOTED, INCREASE CONDUIT AND WIRE SIZES IN ACCORDANCE WITH THE N.E.C. FOR LONGER CIRCUITS OR CIRCUITS MORE THAN 20 AMPS.
- FOR SINGLE PHASE CIRCUITS - PROVIDE 3/4" W/ 2#12, 1#12 GND FOR 20 AMP CIRCUITS SERVING EQUIPMENT WITHIN 60' OF PANELBOARD. UNLESS OTHER WISE NOTED, INCREASE CONDUIT AND WIRE SIZES IN ACCORDANCE WITH THE N.E.C. FOR LONGER CIRCUITS OR CIRCUITS MORE THAN 20 AMPS.

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DESIGNED BY: J. DULAK	DRAWN BY: W. MORGAN
CHECKED BY: G. LYNCH	DESIGN LEAD: G. LYNCH





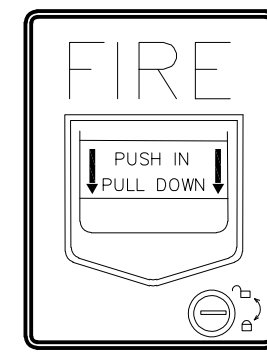
ACCOUNTABLE MANAGER
JOSE NIEVES

PROJECT MANAGER
MARK DELBALZO, P.E.

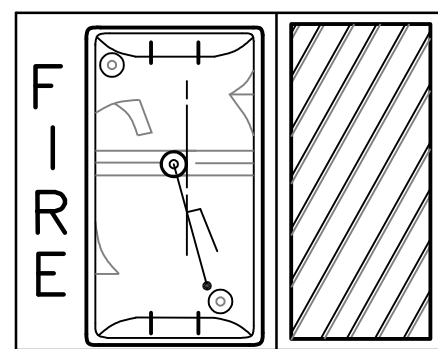
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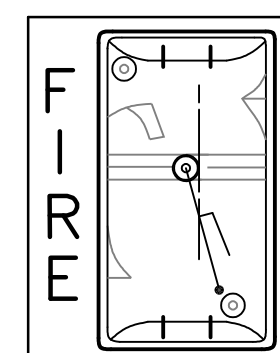
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023
ELECTRICAL SCHEDULES	SCALE: SHEET NO: 10 OF No. 14 DRAWING NO. E1-301



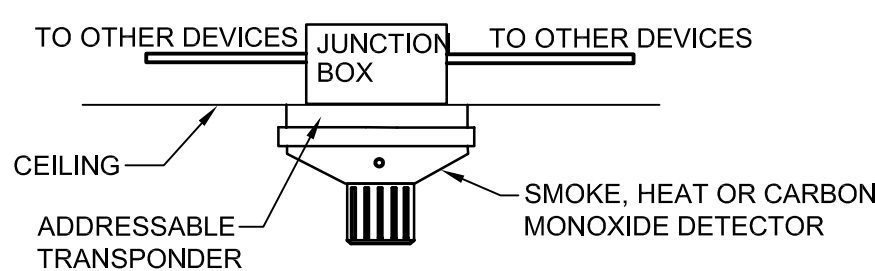
A DUAL ACTION MANUAL PULL STATION
E1-302 SCALE: NONE



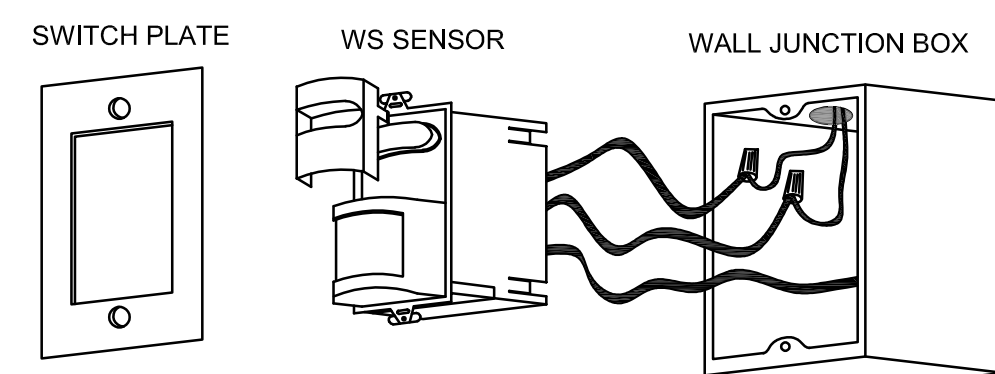
B HORN STROBE DETAIL
E1-302 SCALE: NONE



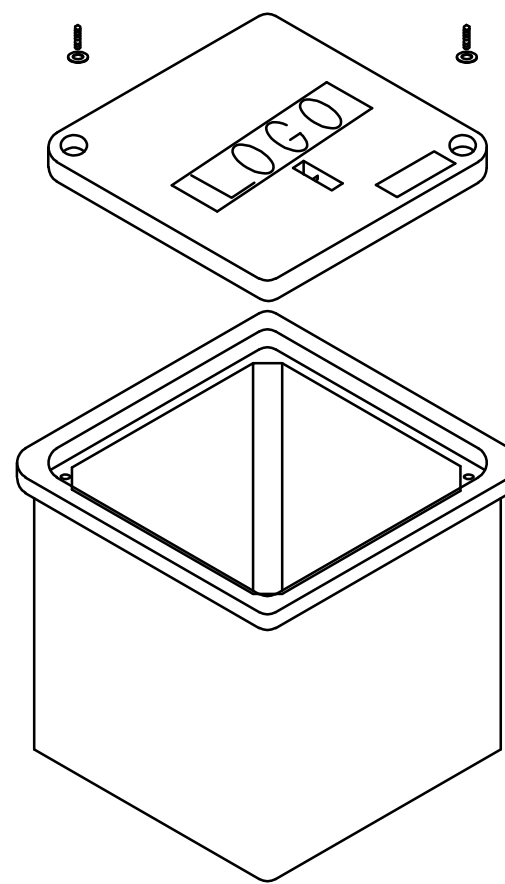
C STROBE DETAIL
E1-302 SCALE: NONE



D DETECTOR DETAIL
E1-302 SCALE: NONE

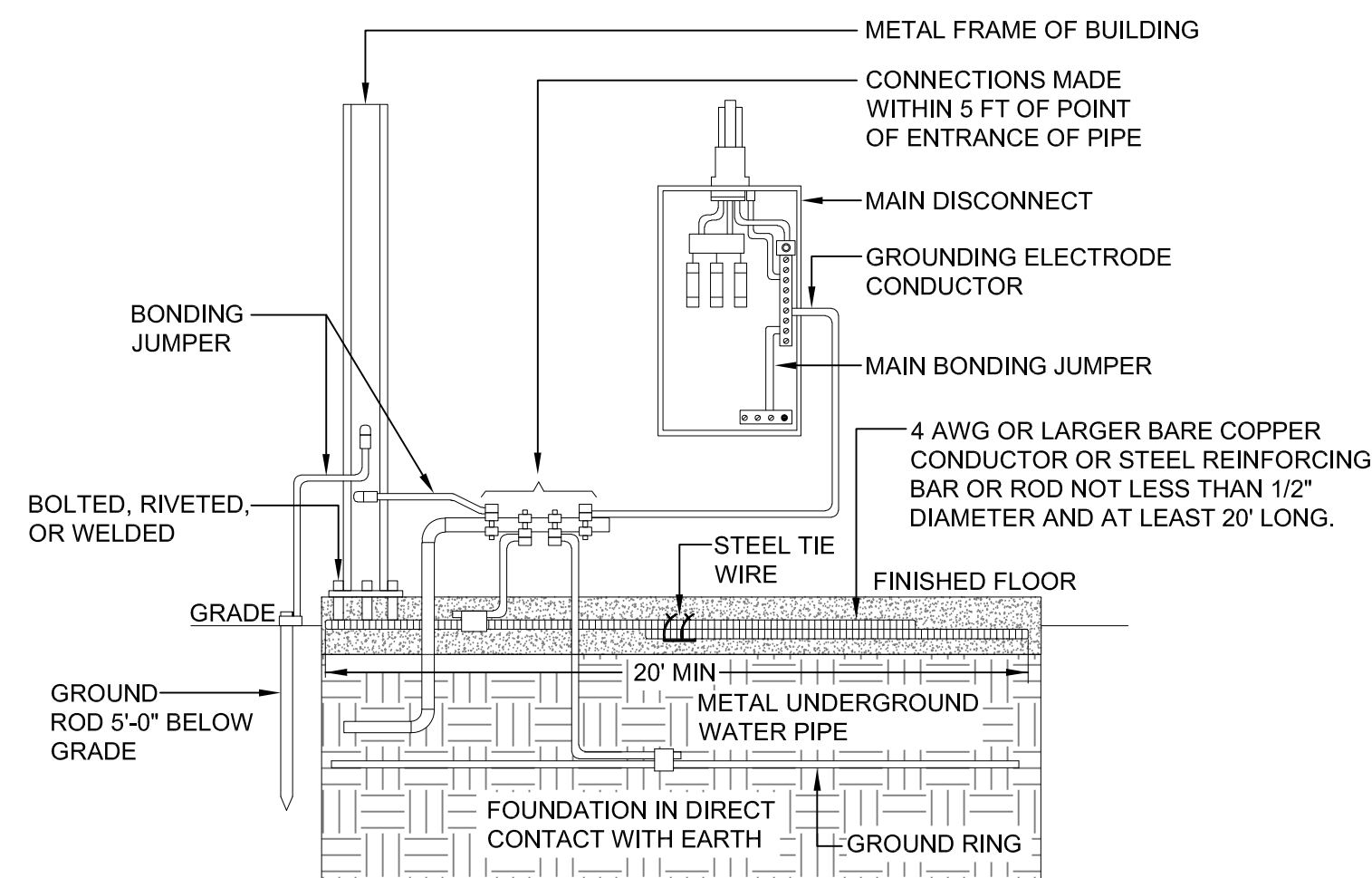


E AUTOMATIC WALL SWITCH
E1-302 SCALE: NONE

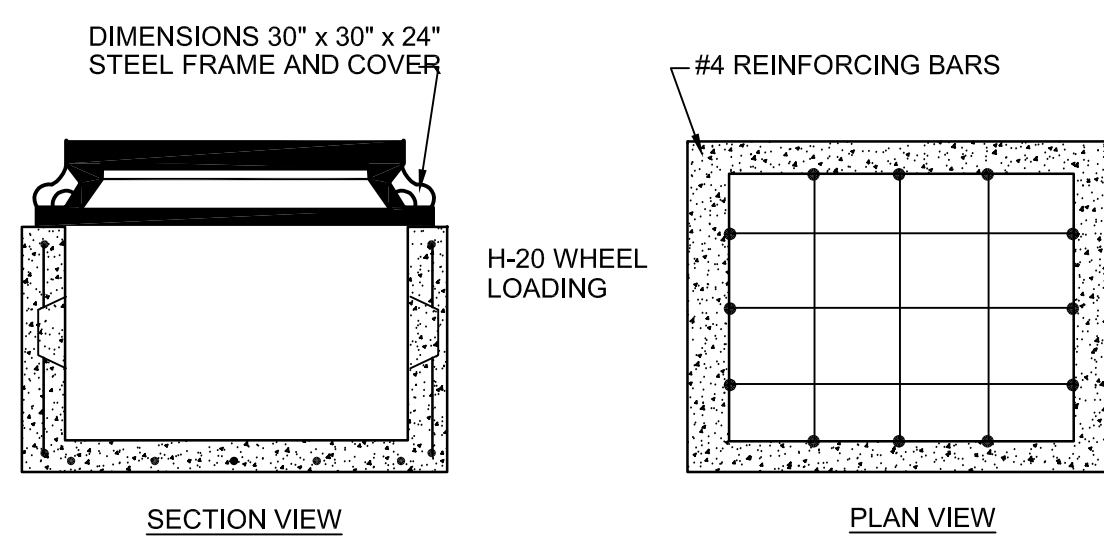


F TYPICAL HANDHOLE DETAIL
E1-302 SCALE: NONE

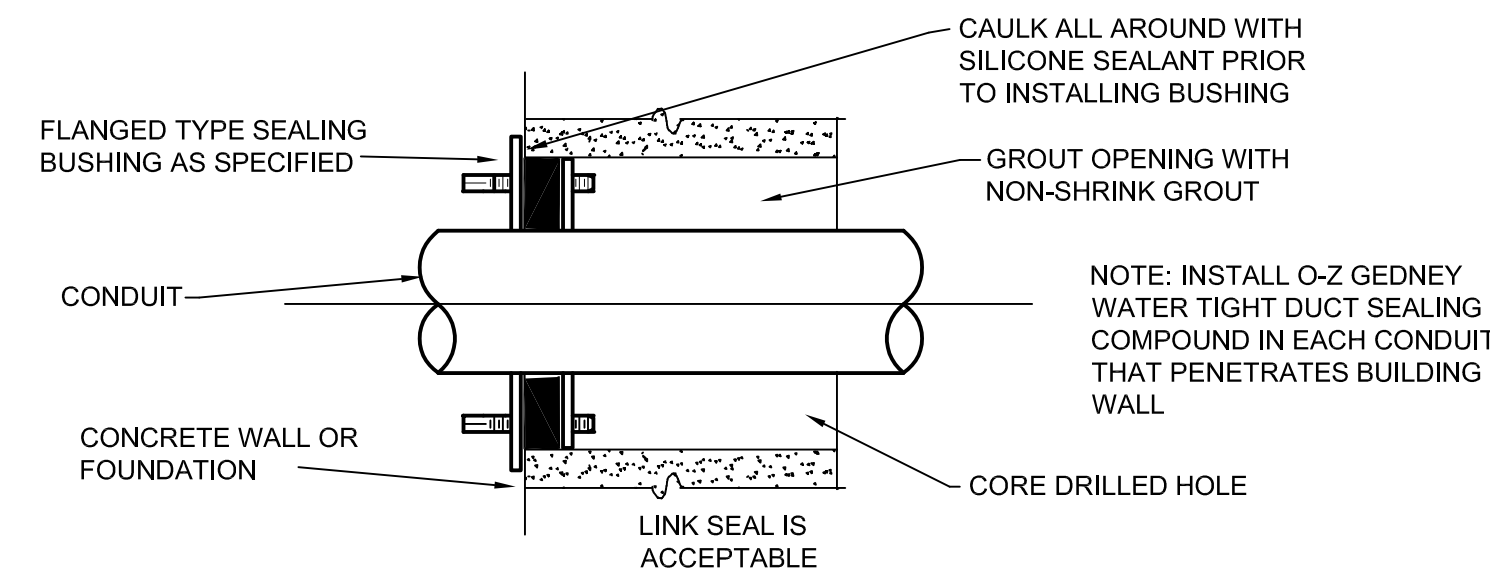
- NOTES:**
- HANDHOLE COVERS SHALL BE GASKETED AND NOTED EITHER AS "ELECTRIC" OR "SIGNAL" WITH BOLTED COVERS (REFER TO SITE PLAN).
 - HANDHOLES SHALL BE OF PRECAST POLYMER CONCRETE CONSTRUCTION.
 - HANDHOLE SHALL BE RATED FOR ANSI TIER 22 WHEEL LOADING.
 - ALL HANDHOLES SHALL BE OPEN BOTTOM FOR DRAINAGE.
 - PROVIDE 6" DEEP, 1" CRUSHED STONE BED FOR DRAINAGE.
 - HANDHOLE SHALL BE UL LISTED ELECTRICAL ENCLOSURES.
 - HANDHOLE SHALL NOT BE LOCATED IN ROAD NOR DRIVEWAYS, SIDEWALKS ONLY.
 - HANDHOLE SHALL BE AS MANUFACTURED BY QUAZITE, TYPE PC.
 - HANDHOLE SHALL BE 18"x18"x18" MINIMUM.



G GROUNDING DETAIL
E1-302 SCALE: NONE

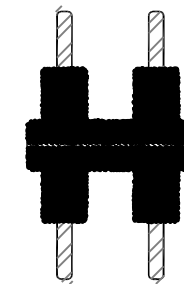


H PULL BOX DETAIL
E1-302 SCALE: NONE



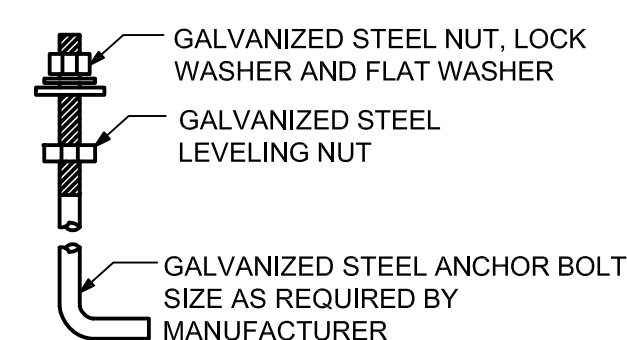
I TYPICAL SLEEVE DETAIL FOR WALL/FLOOR PENETRATION
E1-302 SCALE: NONE

SINGLE 240V 15AMP. FUSES

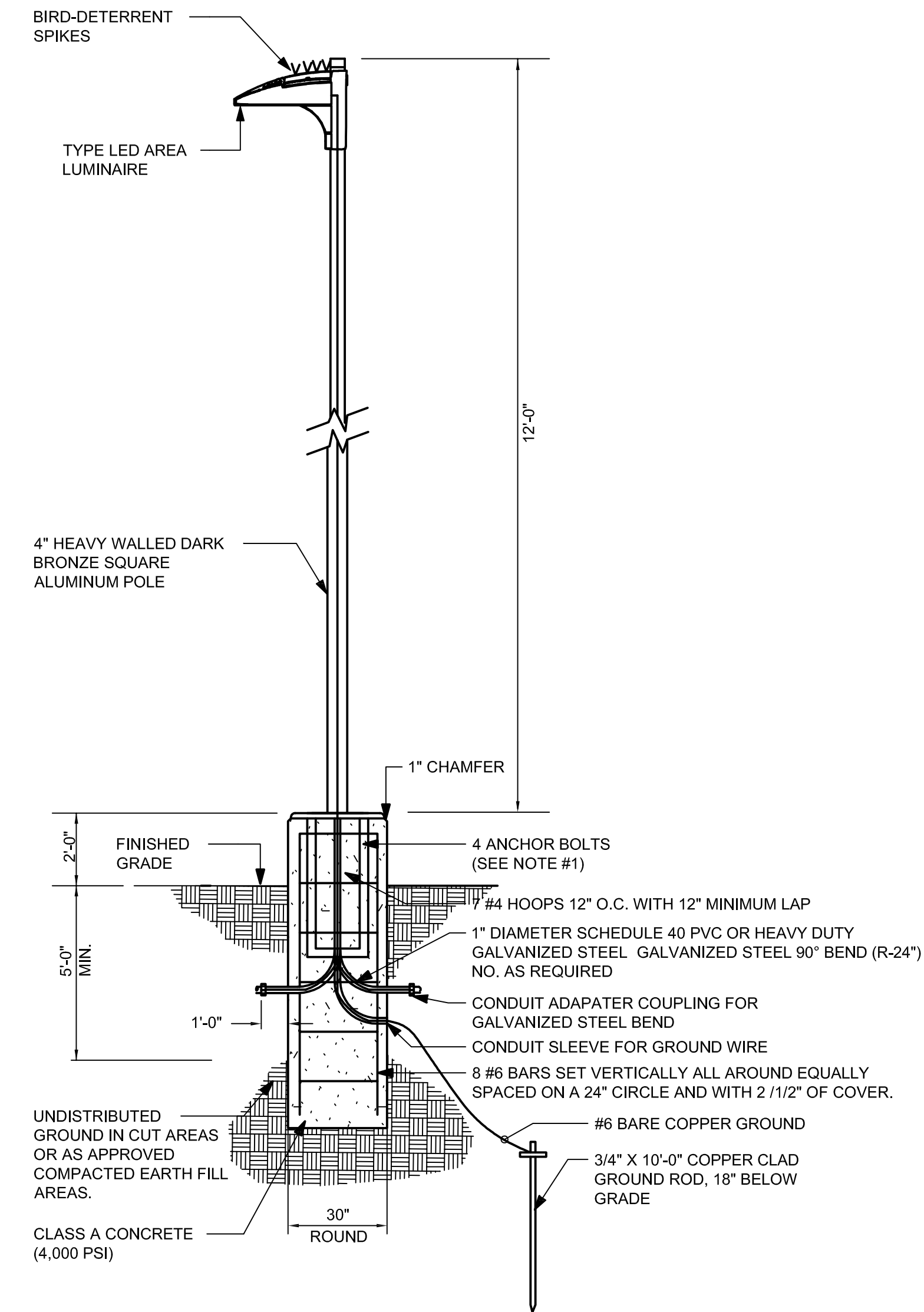


NOTE: IN LINE FUSES BUSSMAN TYPE HEY FUSE HOLDER WITH KTK-R FUSES. PROVIDE BOOT FOR TERMINALS CATALOG NO. 1AD512

J INLINE FUSE DETAIL
E1-302 SCALE: NONE



K INLINE FUSE DETAIL
E1-302 SCALE: NONE



NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE POLE MANUFACTURER PRIOR TO INSTALLATION OF THE FOUNDATIONS.
- CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.
- PROVIDE INSULATED GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL BENDS.
- COLOR OF LUMINARIES SHALL MATCH COLOR OF POLE.

L SITE LIGHTING DETAIL
E1-302 SCALE: NONE

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CHECKED BY: G. LYNCH
DESIGN LEAD: G. LYNCH

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NYC Environmental Protection

ACCOUNTABLE MANAGER: JOSE NIEVES
PROJECT MANAGER: MARK DELBALZO, P.E.

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AND PAVING
MOUNT PLEASANT, NEW YORK

ELECTRICAL
DETAILS

DATE: JANUARY 2023

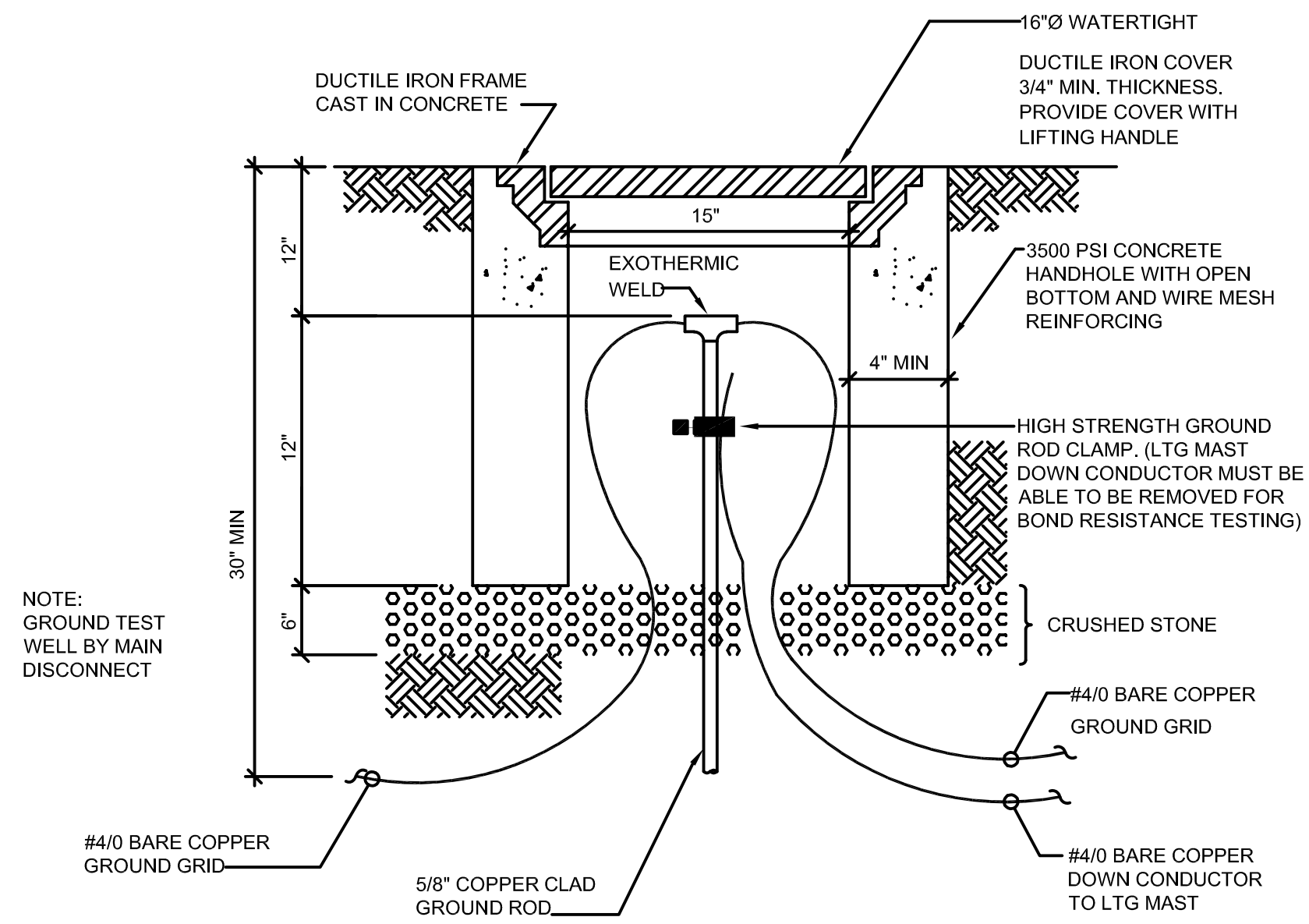
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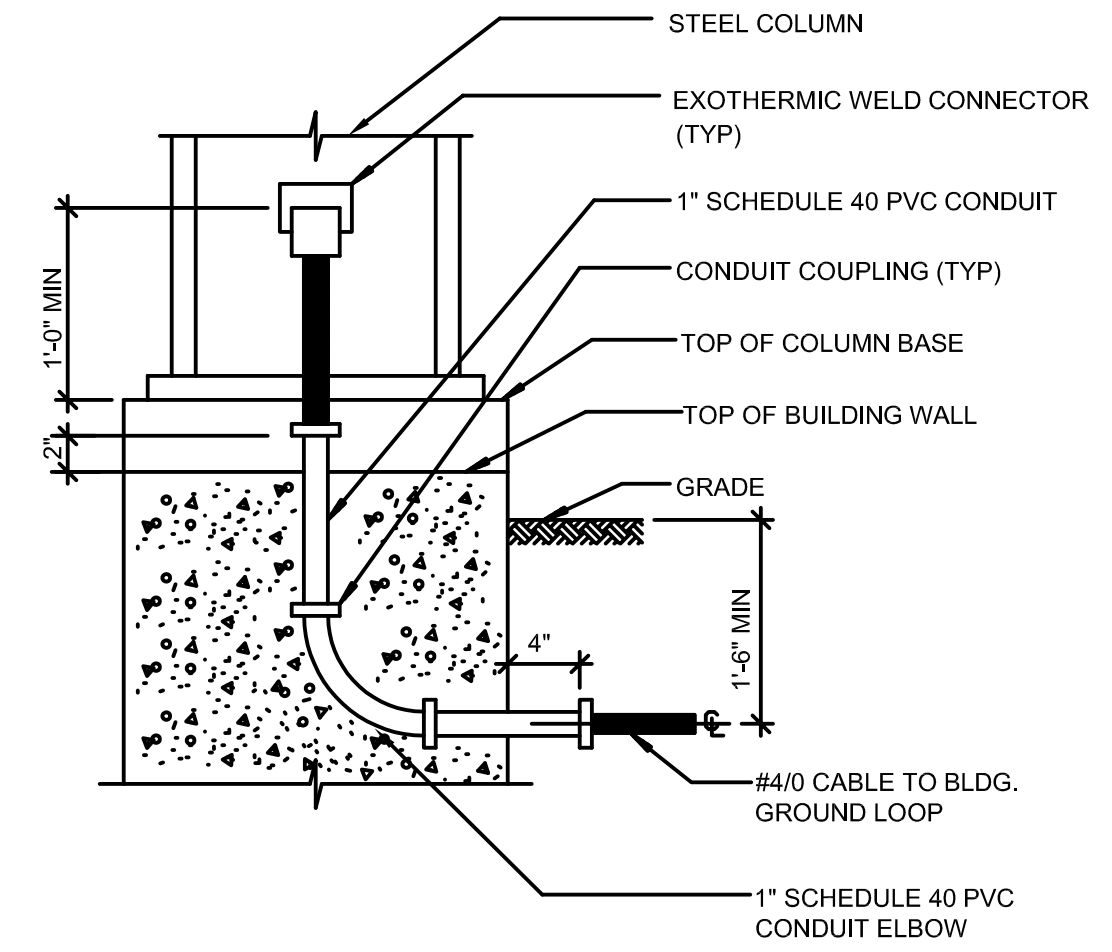
11 OF No. 14

DRAWING NO.

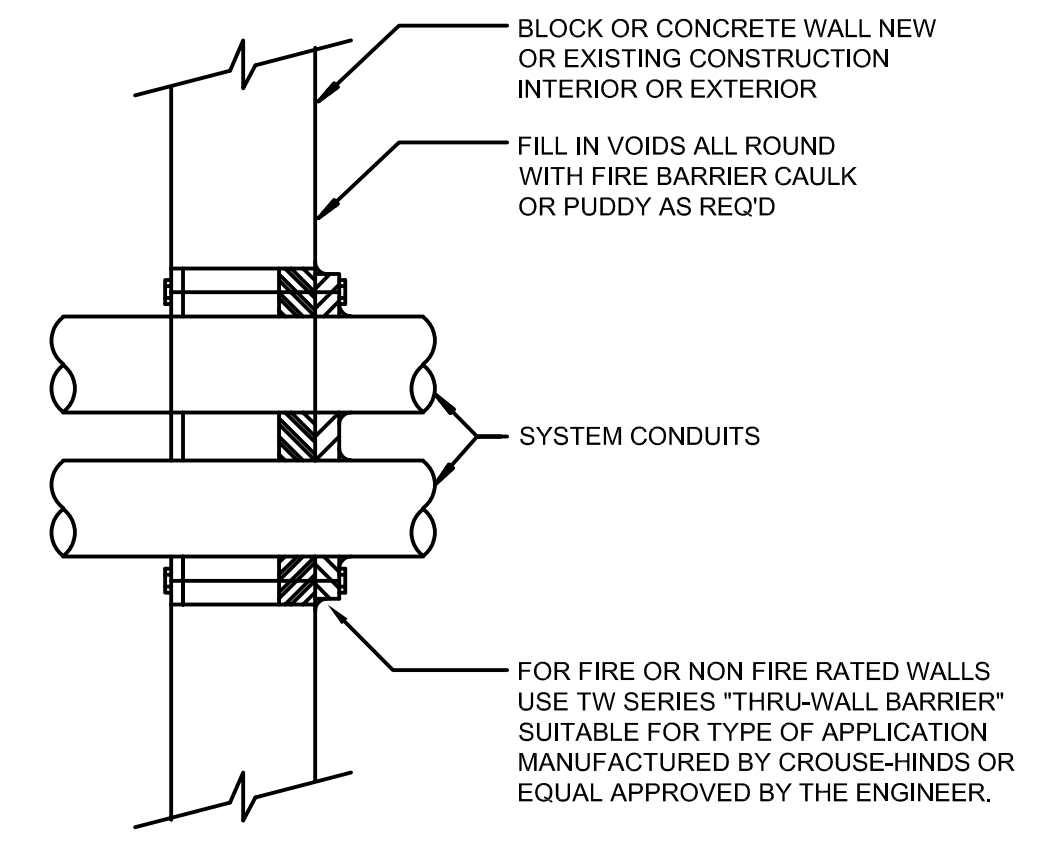
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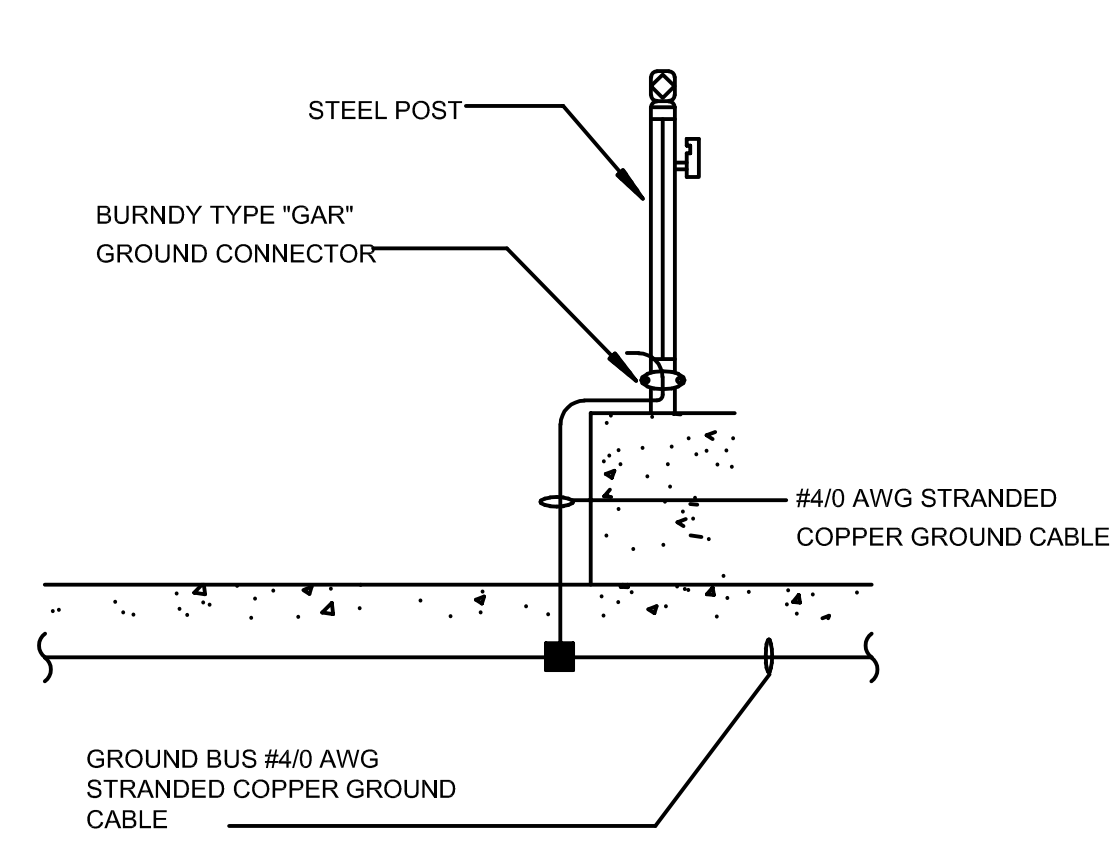
A GROUND TEST WELL DETAIL
E1-303 SCALE: NO SCALE



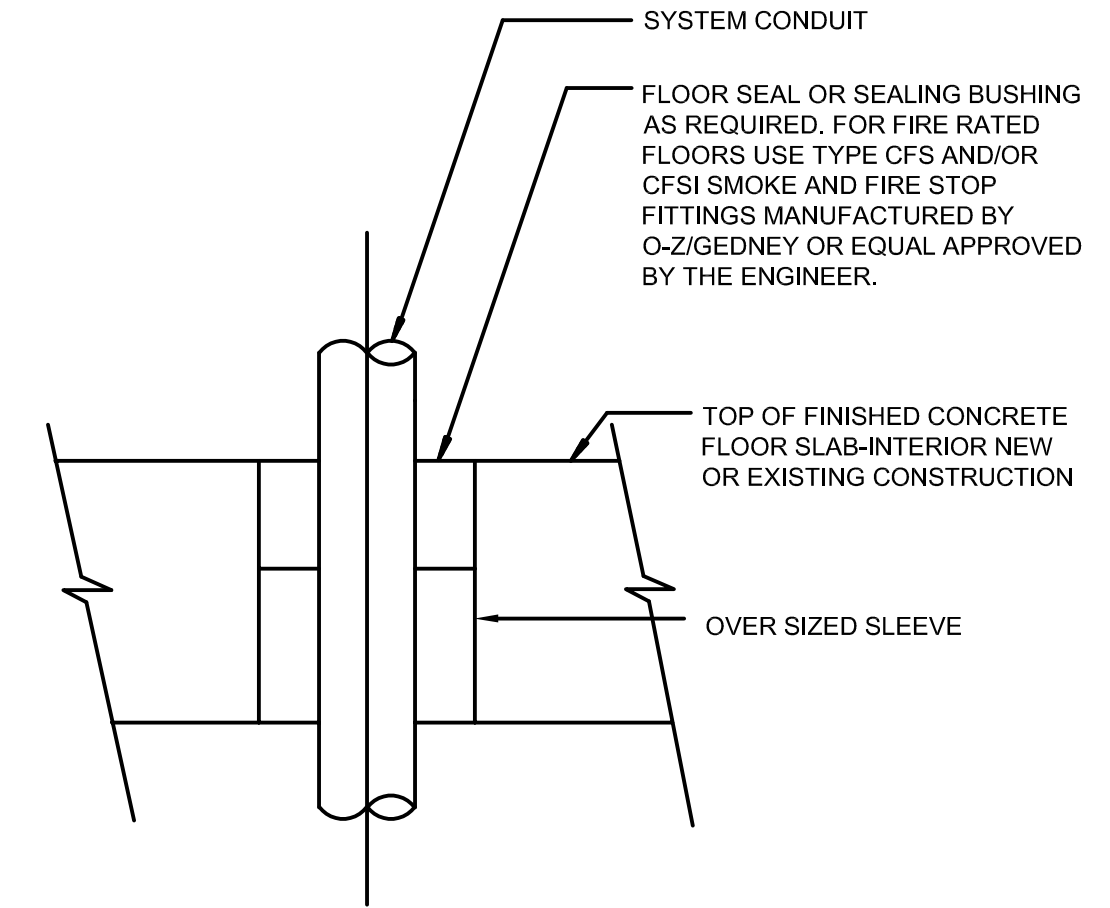
C TYPICAL GROUND CONNECTION AT BUILDING COLUMNS
E1-303 SCALE: NO SCALE



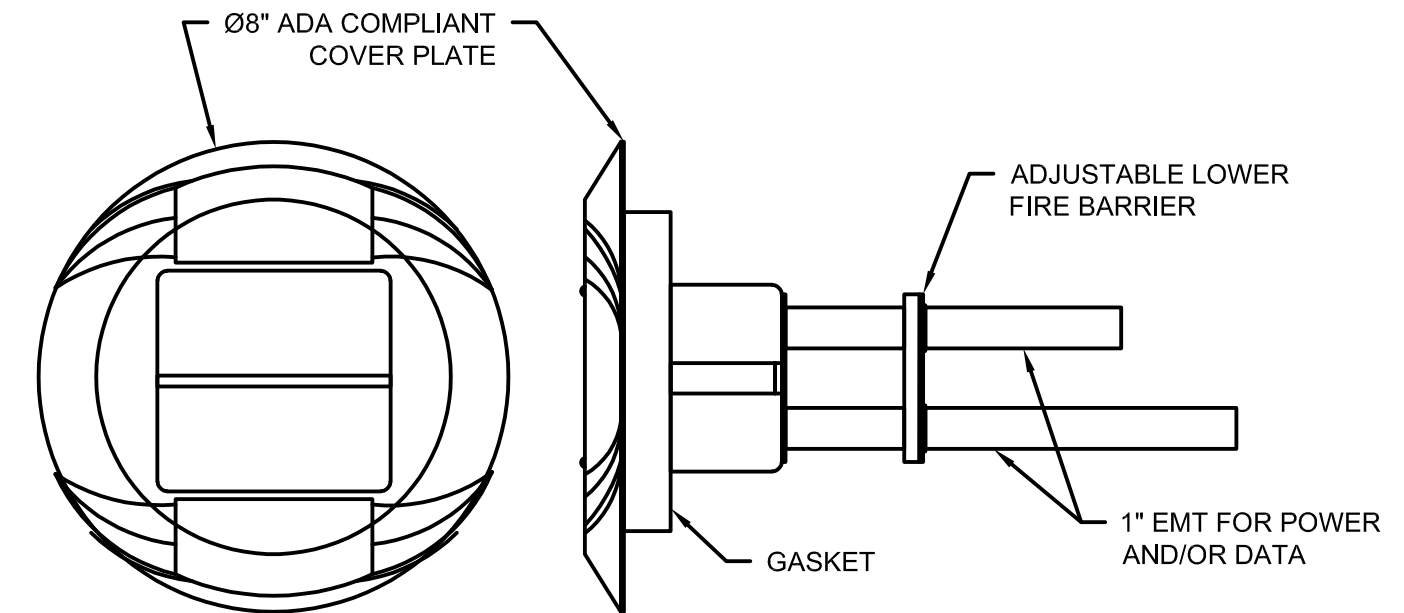
F TYPICAL THRU-WALL CONDUIT BANK
E1-303 SCALE: NO SCALE



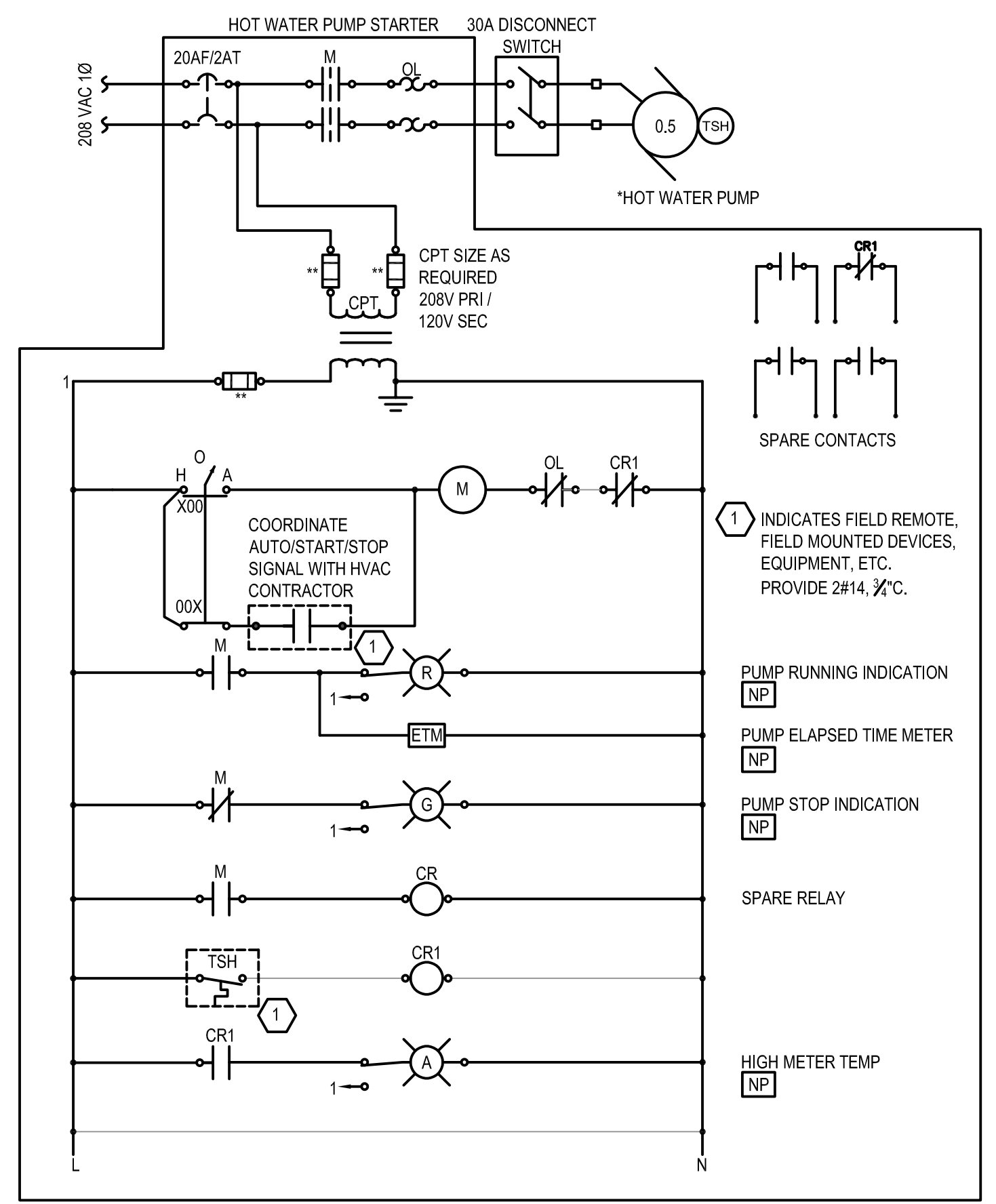
B GROUND DETAIL FOR HANDRAIL
E1-303 SCALE: NO SCALE



D TYPICAL THRU-FLOOR CONDUIT
E1-303 SCALE: NO SCALE



E FIRE RATED POKE-THROUGH DETAIL
E1-303 SCALE: NO SCALE



G HOT WATER PUMP STARTER DIAGRAM
E1-303 SCALE: NO SCALE

- NOTES:
1. PROVIDE NEMA SIZE 1 STARTER WITH OVERLOADS AS REQUIRED.
 2. STARTER ENCLOSURE SHALL BE NEMA 1.
- * TYPICAL FOR HWP-1 AND HWP-2.
** SIZE FUSE PER MANUFACTURERS RECOMMENDATION

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DRAWN BY: W. MORGAN
DESIGN LEAD: G. LYNCH

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ACCOUNTABLE MANAGER
JOSE NIEVES

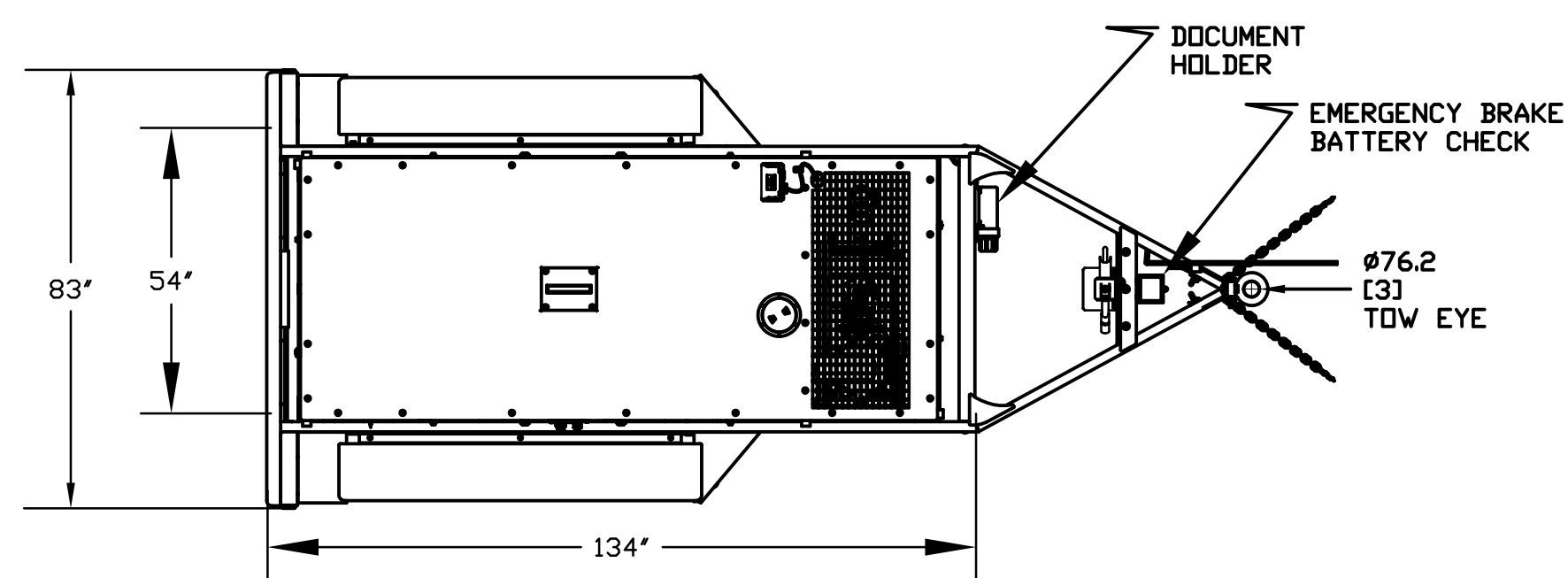
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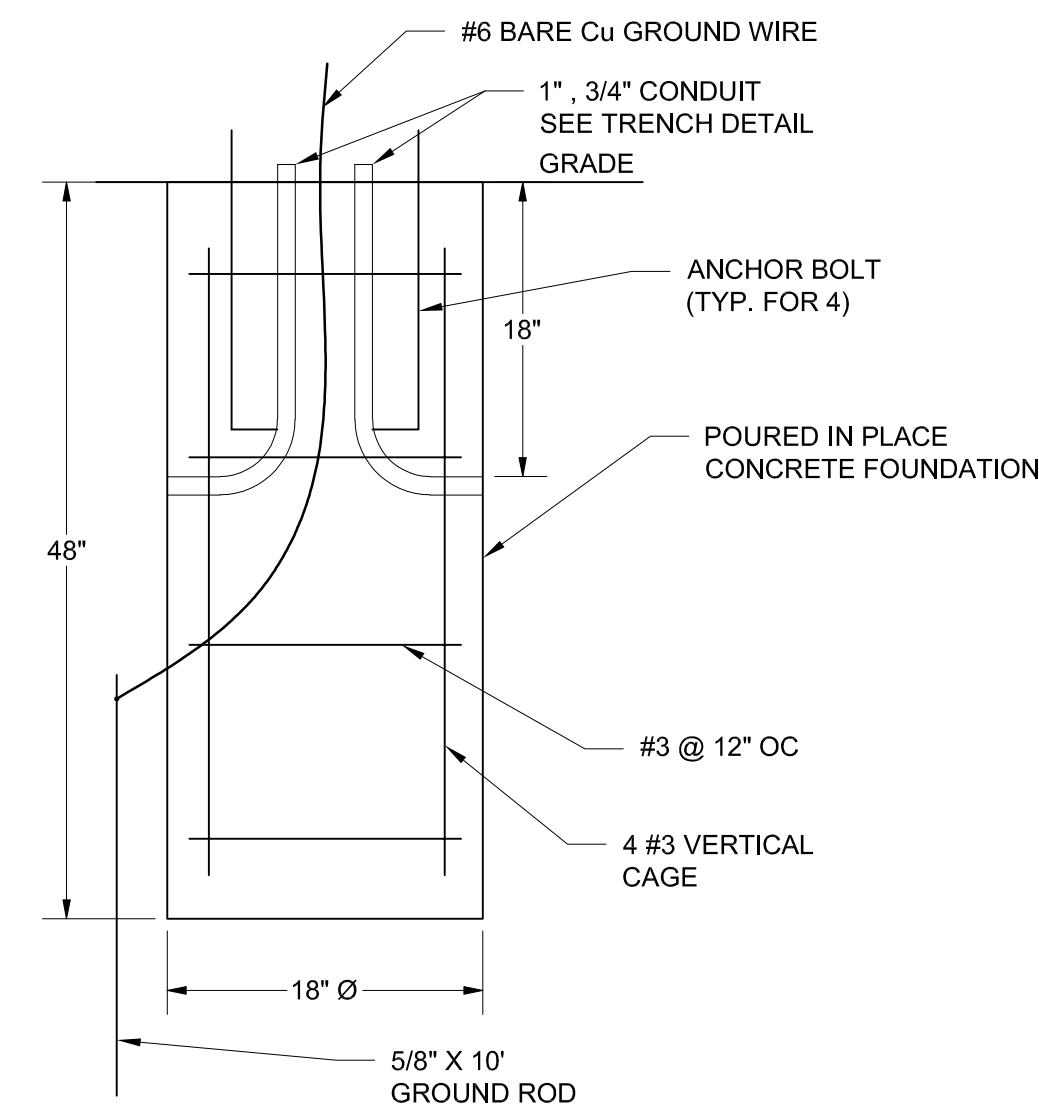
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ELECTRICAL DETAILS		SCALE:
		SHEET NO: 12 OF No. 14
		DRAWING NO. E1-303

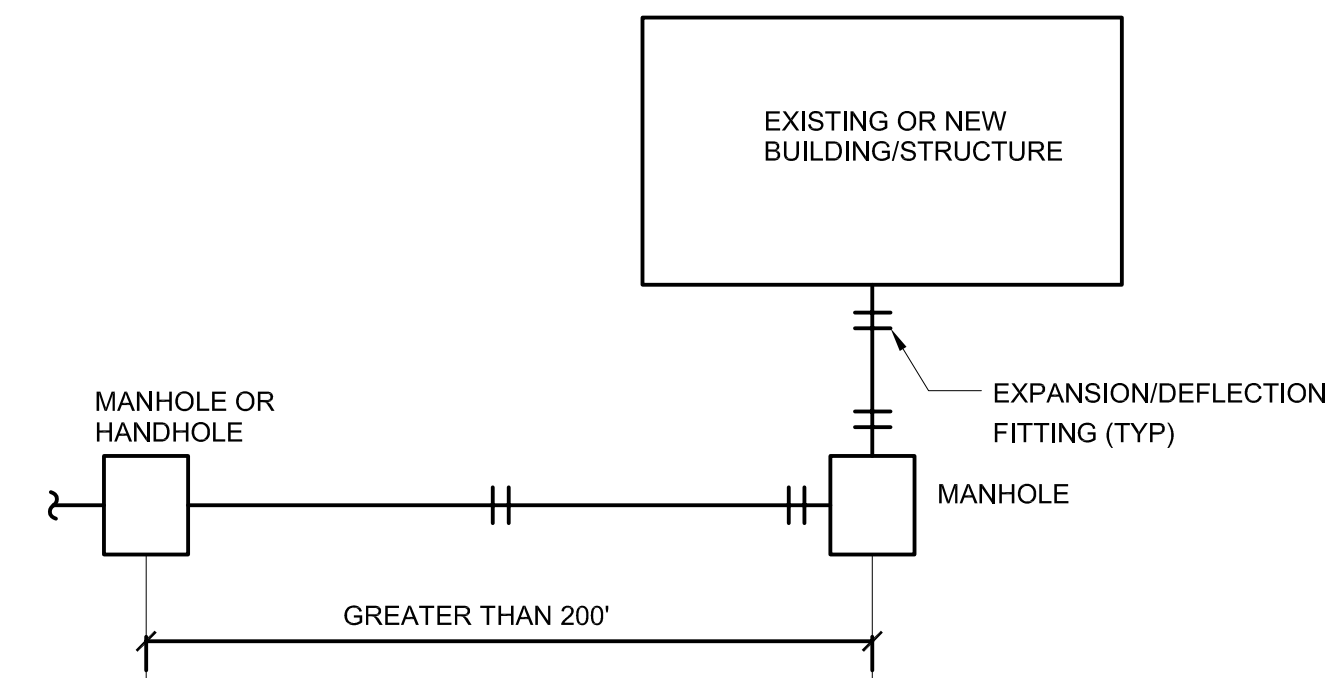
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A PORTABLE GENERATOR TOP VIEW
E1-304 SCALE: NO SCALE

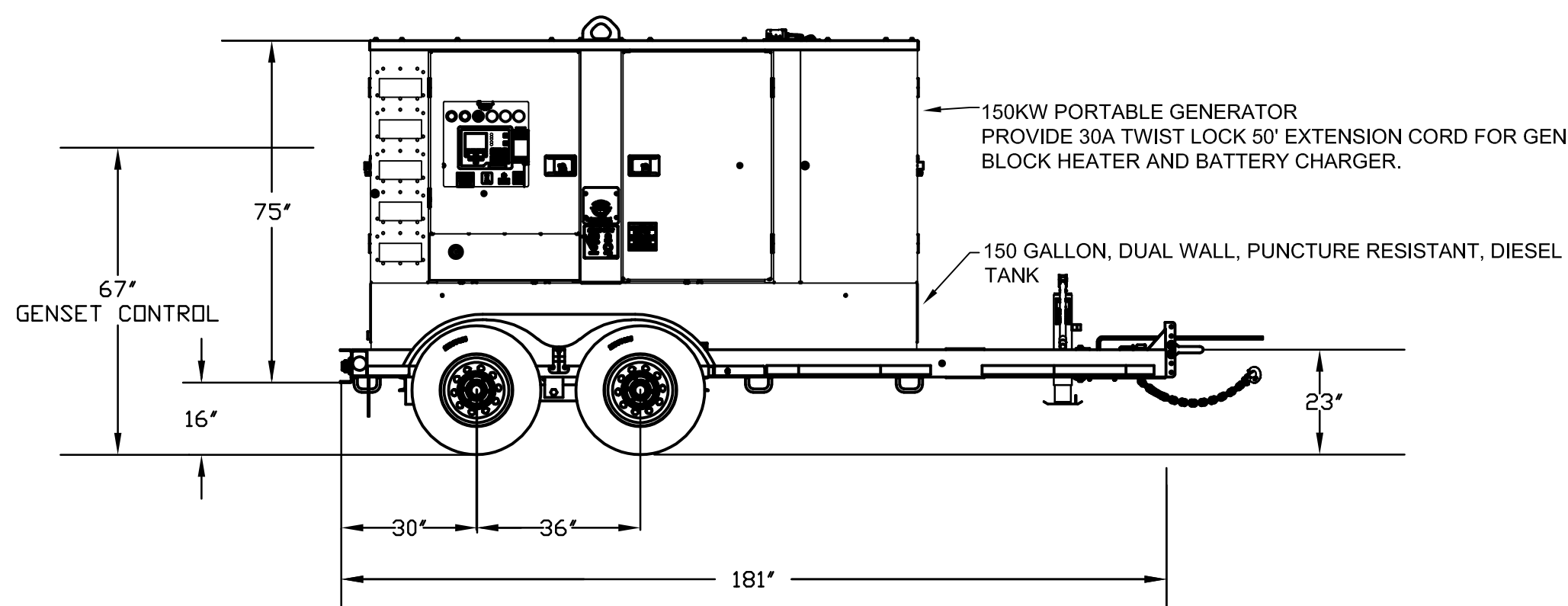


D CHARGING STATION FOUNDATION DETAIL
E1-304 SCALE: NO SCALE

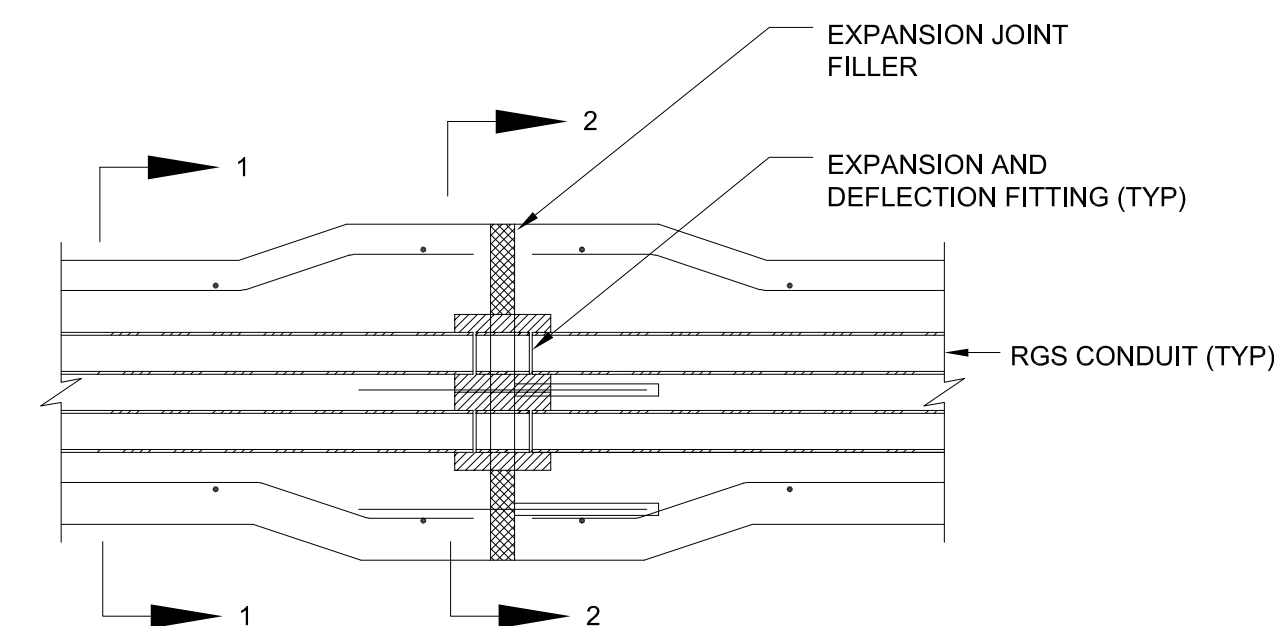


F EXPANSION/DEFLECTION FITTINGS DETAIL
E1-304 SCALE: NO SCALE

- NOTES:
 A. EXPANSION/DEFLECTION FITTINGS SHALL BE INSTALLED AT THE FIRST MANHOLES AND HANDHOLES FROM A STRUCTURE WHERE CONDUIT ENTERS.
 B. EXPANSION/DEFLECTION FITTINGS SHALL ALSO BE INSTALLED WHERE DISTANCES BETWEEN MANHOLES AND DISTANCES BETWEEN HANDHOLES ARE SPACED 200 FEET OR GREATER.
 C. IN ADDITION, EXPANSION/DEFLECTION FITTINGS SHALL BE INSTALLED AT ALL EXPANSION JOINTS.



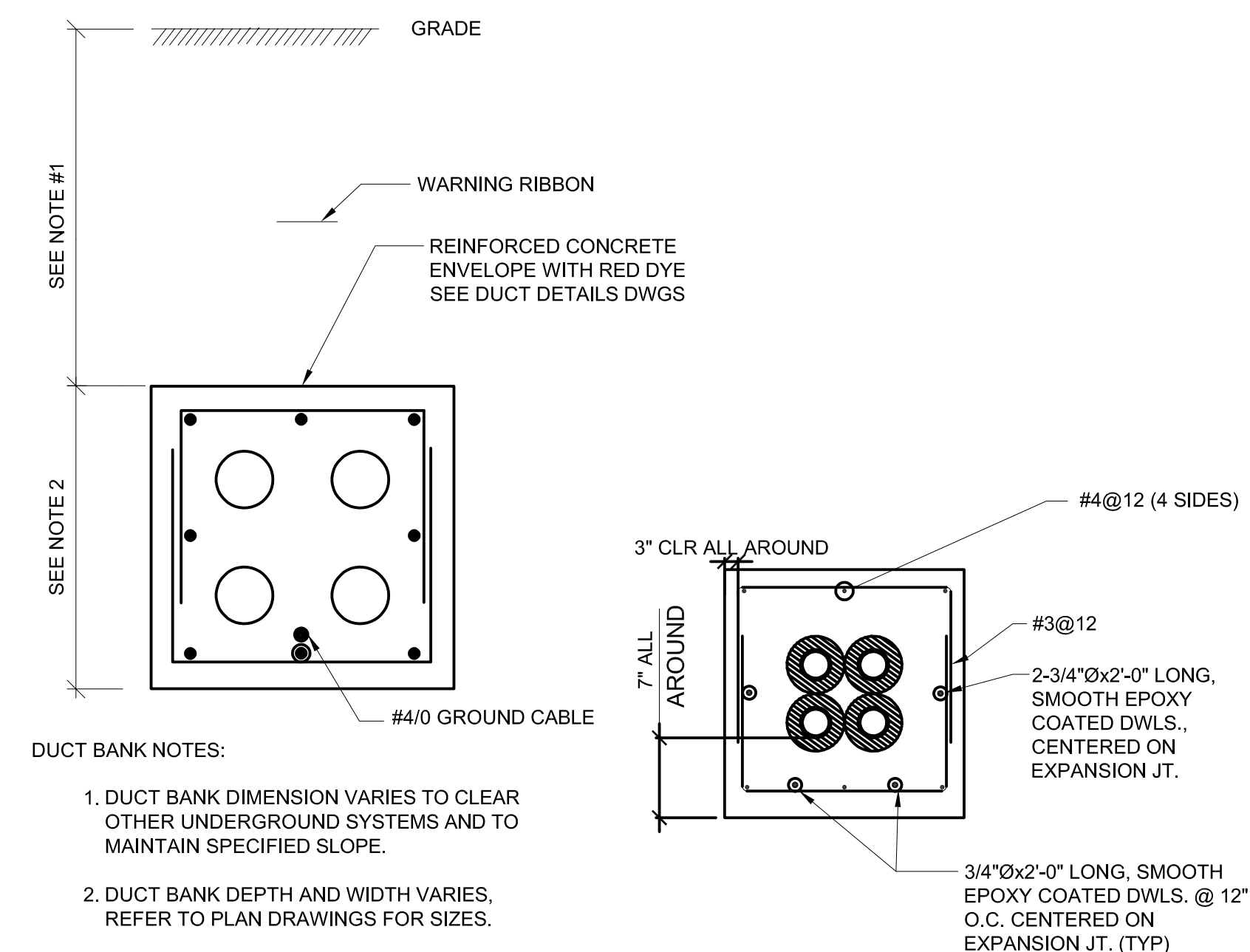
B PORTABLE GENERATOR SIDE VIEW
E1-304 SCALE: NO SCALE



DUCT BANK EXPANSION JOINT NOTES:

1. DUCTBANKS BETWEEN MANHOLES SPACED AT DISTANCES OF 200 FEET OR GREATER SHALL BE PROVIDED WITH AN EXPANSION JOINT AT MID-DISTANCE BETWEEN THE MANHOLE.
2. WHEN RUNNING UNDER AND PERPENDICULAR TO A ROADWAY PROVIDE THREE JOINTS, ONE AT THE CENTER AND TWO JOINTS 5'-0" BEYOND THE EDGES OF THE ROADWAY.
3. WHEN CROSSING OVER PILE SUPPORTED PIPES OR OTHER STRUCTURES PROVIDE THREE JOINTS ONE AT THE CENTER AND TWO OTHERS TEN FEET ON BOTH SIDES.
4. INSTALL EXPANSION/DEFLECTION FITTINGS WHEREVER EXPANSION JOINTS ARE LOCATED.
5. SEE DETAIL F (THIS SHEET) FOR ADDITIONAL LOCATIONS OF EXPANSION/DEFLECTION FITTINGS.

E DUCT BANK EXPANSION JOINT DETAIL
E1-304 SCALE: NO SCALE



DUCT BANK NOTES:

1. DUCT BANK DIMENSION VARIES TO CLEAR OTHER UNDERGROUND SYSTEMS AND TO MAINTAIN SPECIFIED SLOPE.
2. DUCT BANK DEPTH AND WIDTH VARIES, REFER TO PLAN DRAWINGS FOR SIZES.

SECTION 1-1

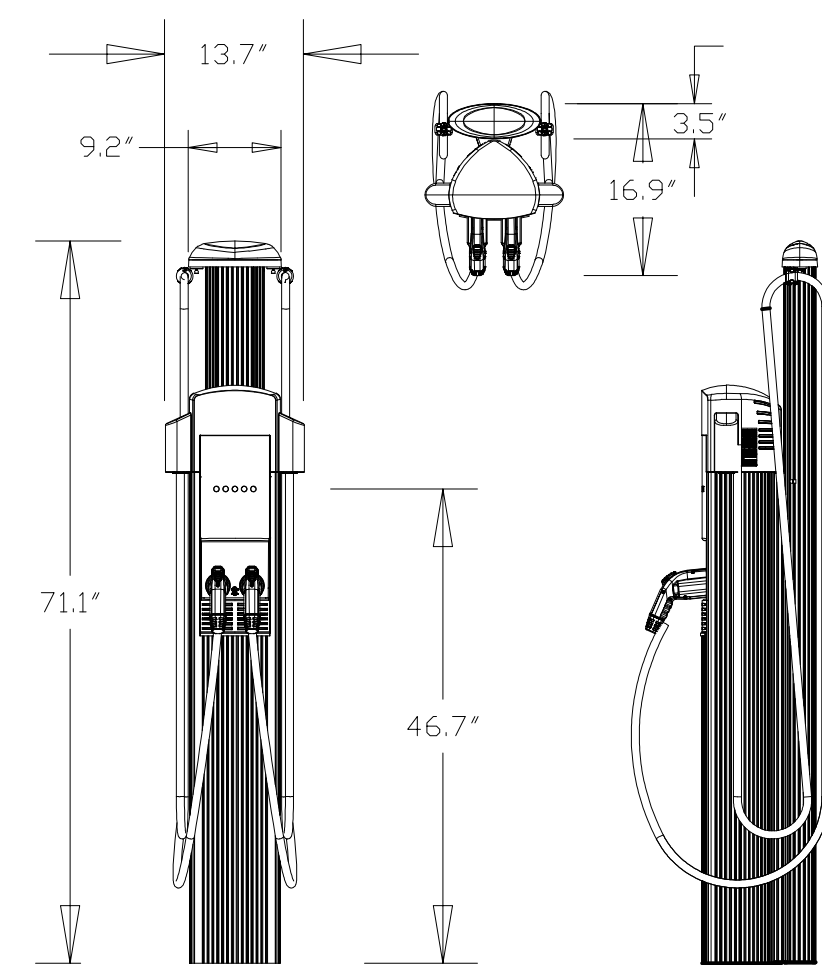
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SECTION 2-2

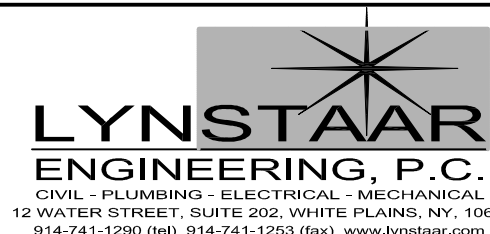
NOT TO SCALE

G REINFORCED DUCT BANK DETAIL
E1-304 SCALE: NO SCALE

- NOTES:
 1. ADJUST GROUND ROD LENGTH AND NUMBERS AS NECESSARY TO MEET GROUNDING REQUIREMENTS.
 2. SEE TRENCH DETAILS FOR CONDUIT AND WIRING REQUIREMENTS.



C EV CHARGING STATION DETAILS
E1-304 SCALE: NO SCALE



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J. DULAK
 CHECKED BY:
G. LYNCH

DRAWN BY:
W. MORGAN
 DESIGN LEAD:
G. LYNCH



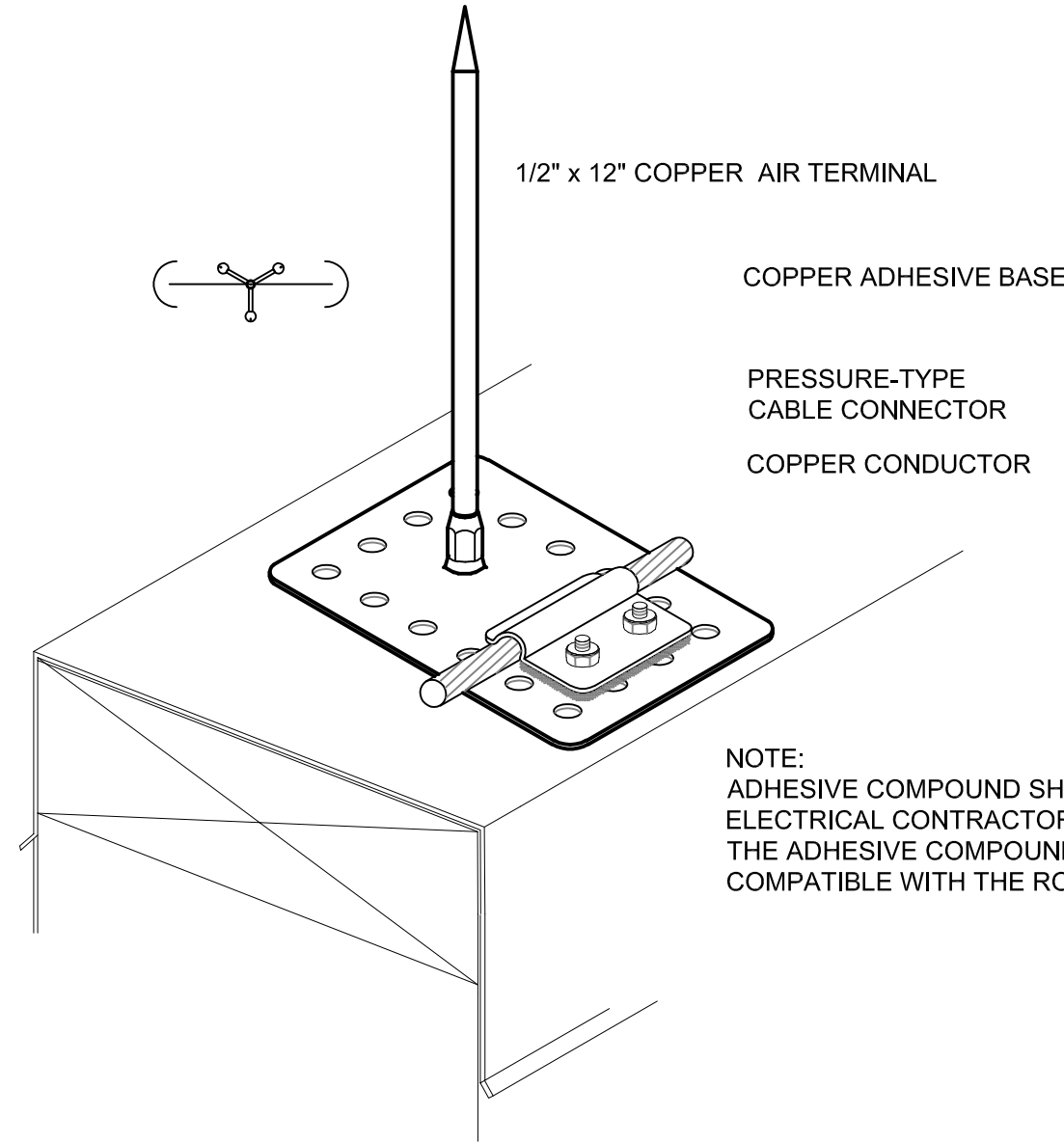
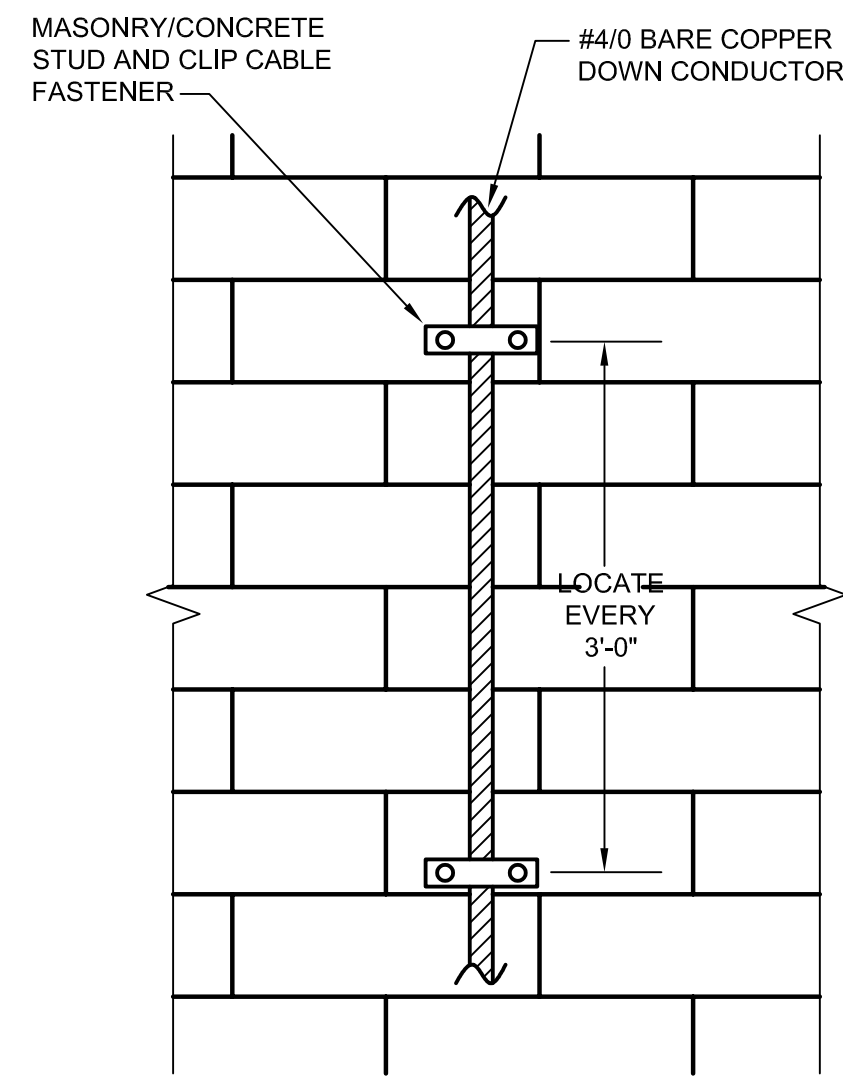
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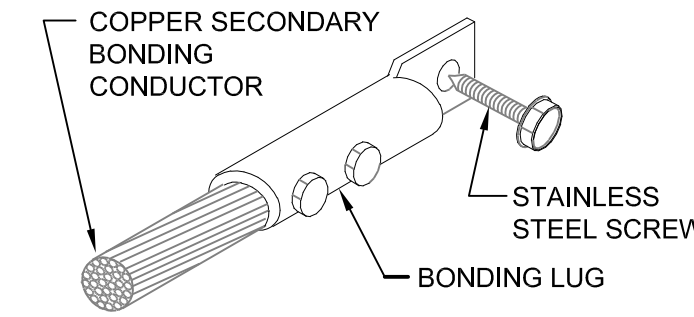
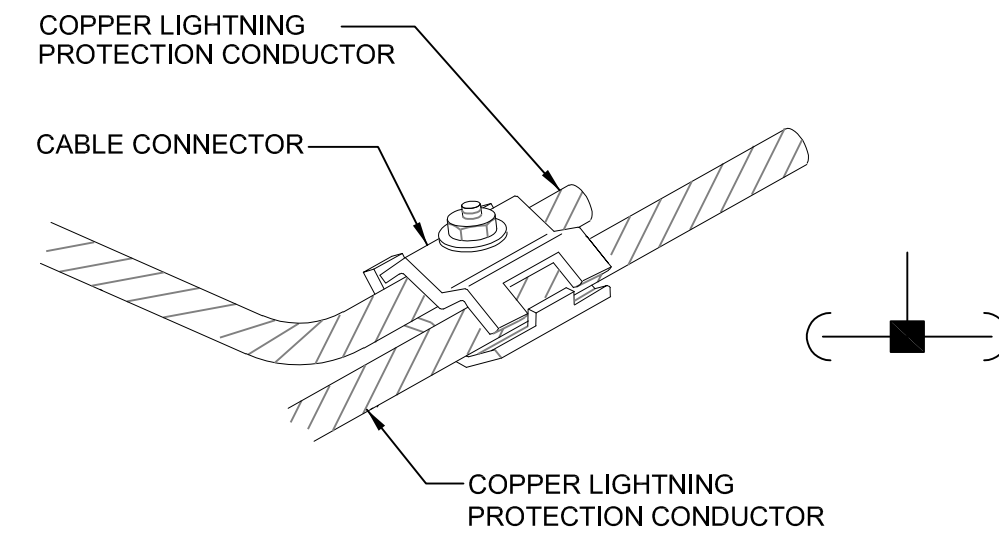
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 ELECTRICAL DETAILS

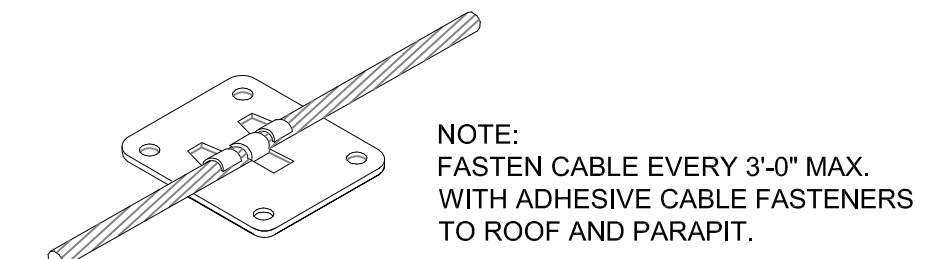
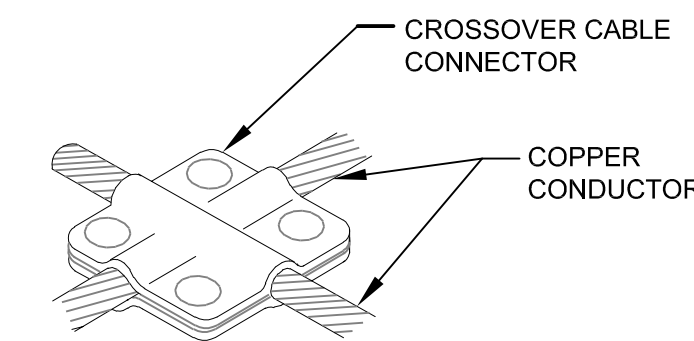
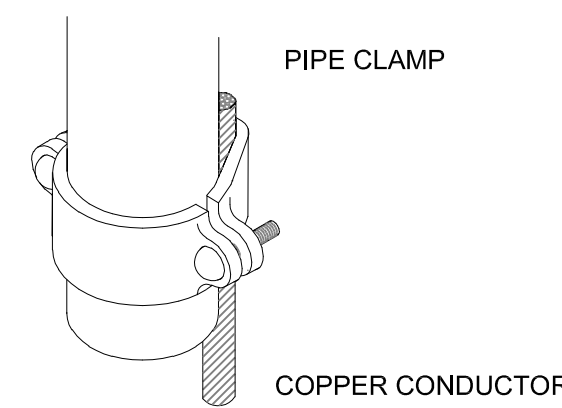
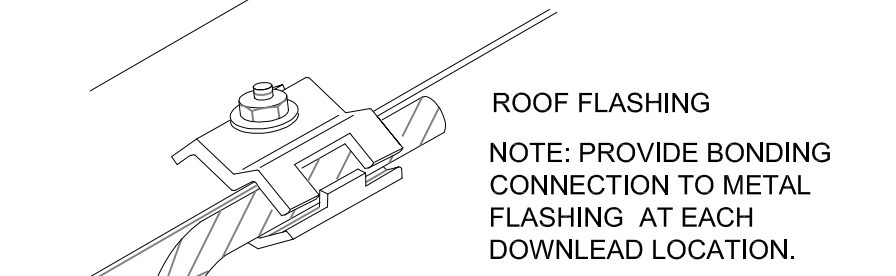
DATE: JANUARY 2023
 SCALE:
 SHEET NO:
13 OF No. 14
 DRAWING NO.
E1-304



NOTE:
ADHESIVE COMPOUND SHALL BE PROVIDED.
ELECTRICAL CONTRACTOR SHALL COORDINATE.
THE ADHESIVE COMPOUND SHALL BE
COMPATIBLE WITH THE ROOFING SYSTEM.

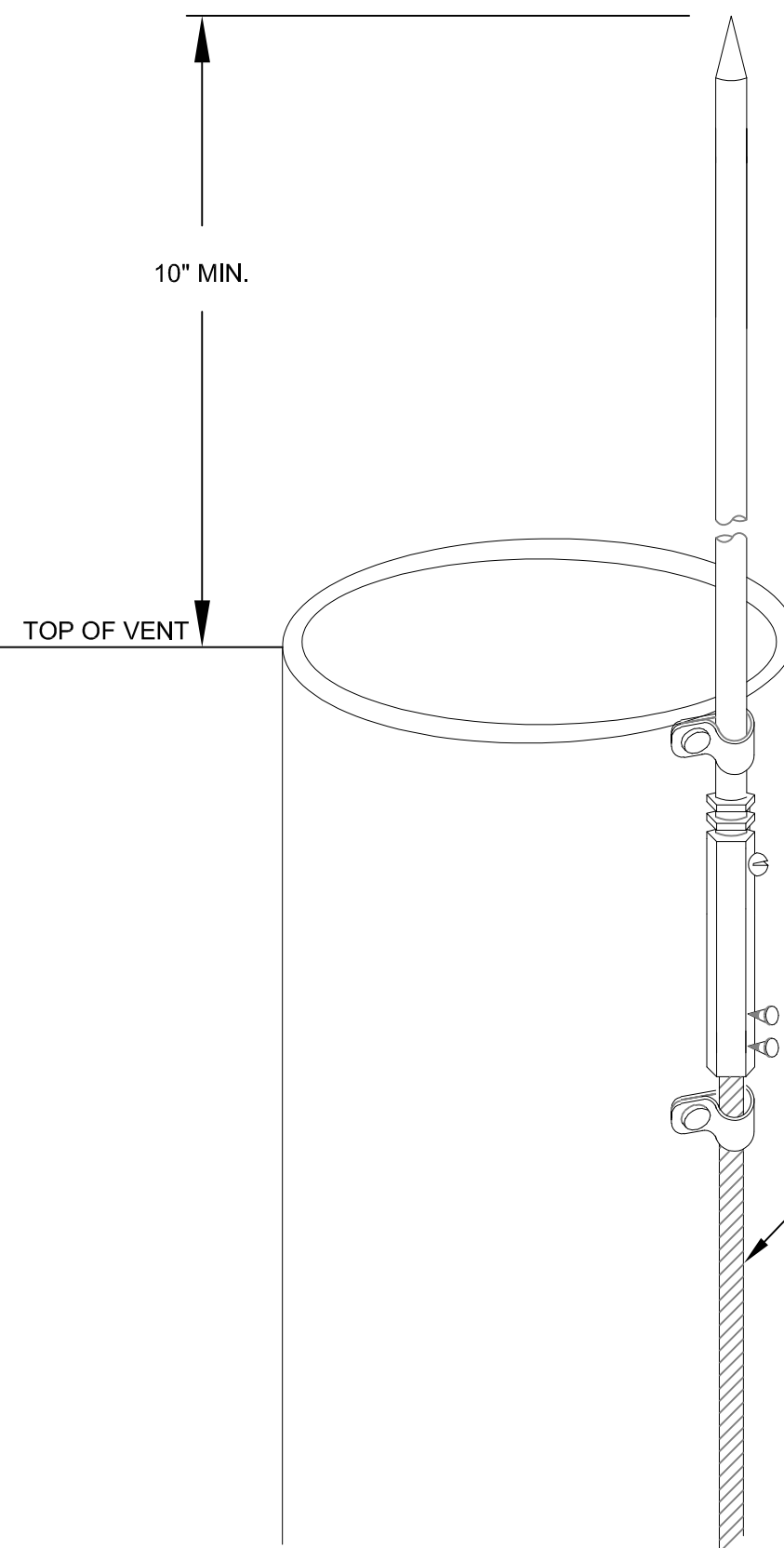


NOTE:
THE ADHESIVE COMPOUND
SHALL BE COMPATIBLE WITH
THE ROOFING SYSTEM.



NOTE:
FASTEN CABLE EVERY 3'-0" MAX.
WITH ADHESIVE CABLE FASTENERS
TO ROOF AND PARAPET.

FLASHING CONNECTOR
SECONDARY BONDING
CONDUCTOR (CONNECT
TO NEAREST DOWN
CONDUCTOR)



AIR TERMINAL 1/2" x 12"
COPPER AIR TERMINAL

10" MIN.

TOP OF VENT

ALUMINUM CLIP WITH
STAINLESS STEEL
SELF-TAPPING SCREW (TYP.)

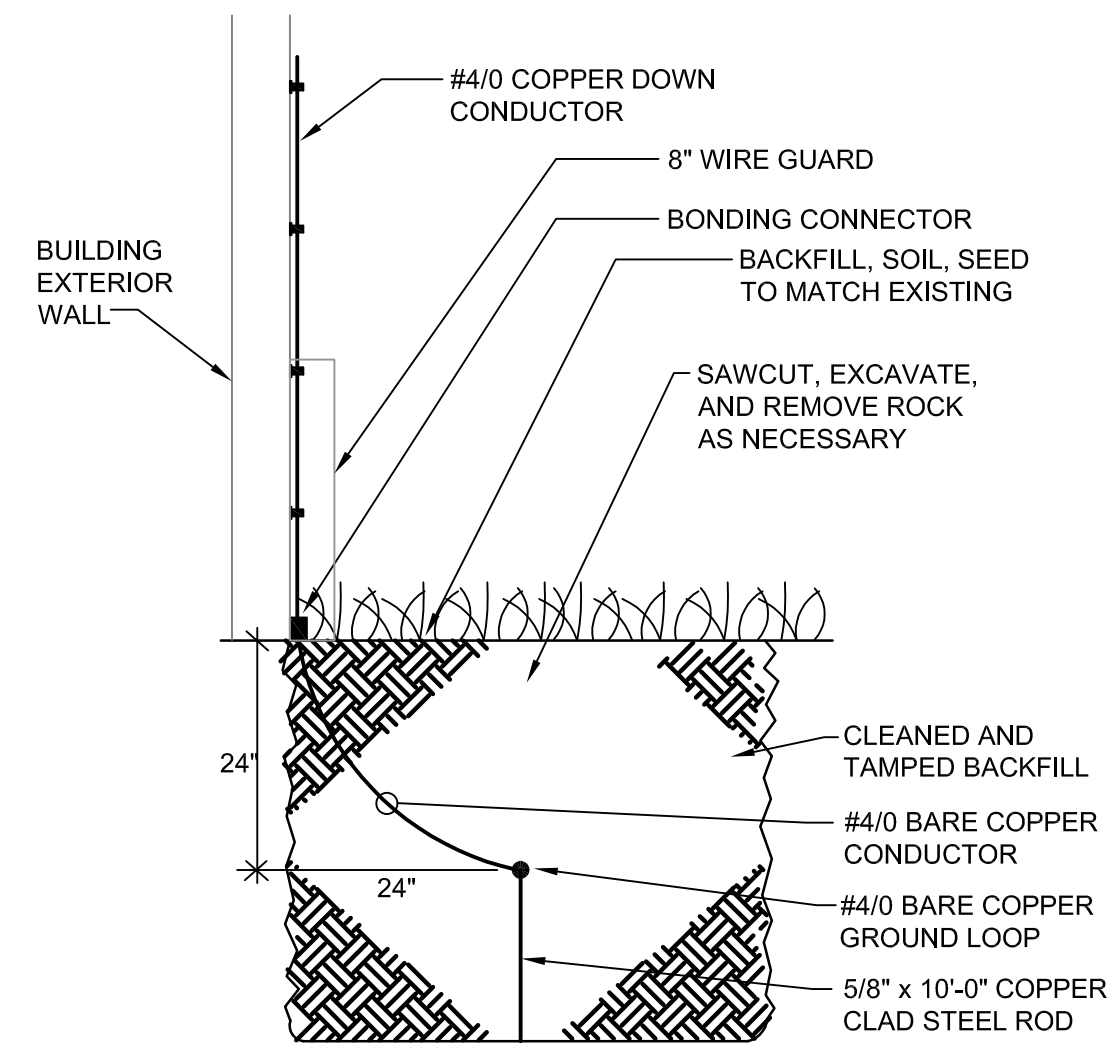
STAINLESS STEEL FASTENER

VERTICAL AIR TERMINAL BASE

STAINLESS STEEL BOLTS

PROVIDE CLIP EVERY 3'-0" MAX.

#4/0 COPPER CONDUCTOR (RUN
DOWN TO ROOF & CONNECT TO
MAIN ROOF CONDUCTOR).

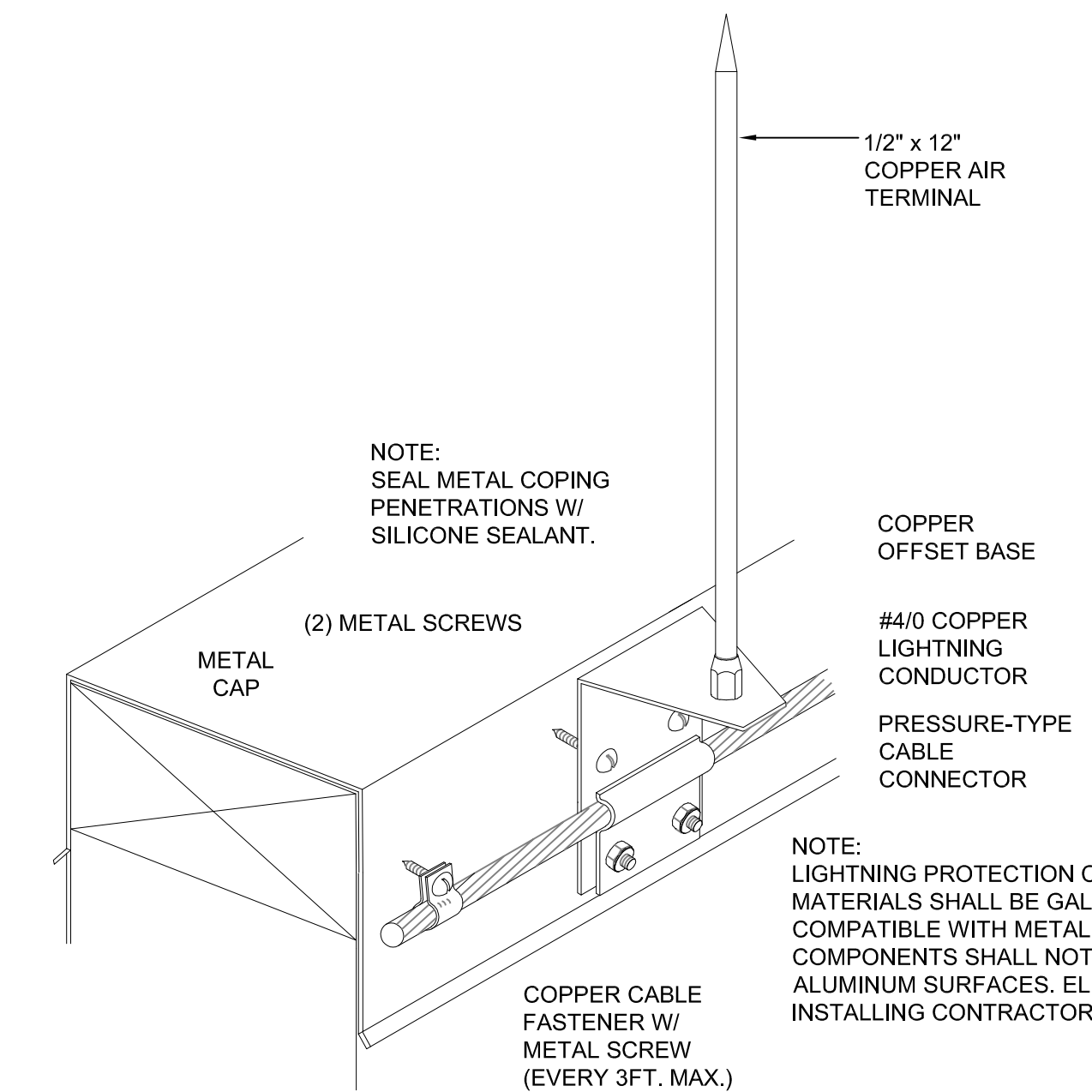


CLEANED AND
TAMPED BACKFILL

#4/0 BARE COPPER
CONDUCTOR

#4/0 BARE COPPER
GROUND LOOP

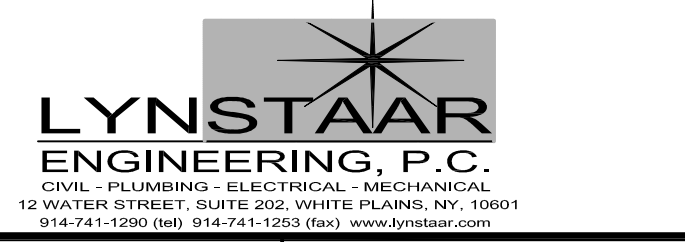
5/8" x 10'-0" COPPER
CLAD STEEL ROD



NOTE:
SEAL METAL COPING
PENETRATIONS W/
SILICONE SEALANT.

NOTE:
LIGHTNING PROTECTION COMPONENT
MATERIALS SHALL BE GALVANICALLY
COMPATIBLE WITH METAL COPING. COPPER
COMPONENTS SHALL NOT BE INSTALLED ON
ALUMINUM SURFACES. ELEC. ENGINEER AND
INSTALLING CONTRACTOR MUST VERIFY.

A TYPICAL LIGHTNING PROTECTION DETAILS
E1-305 SCALE: NO SCALE



DESIGNED BY:
J. DULAK

CHECKED BY:
G. LYNCH

DRAWN BY:
W. MORGAN

DESIGN LEAD:
G. LYNCH



ACCOUNTABLE MANAGER
JOSE NIEVES

PROJECT MANAGER
MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK

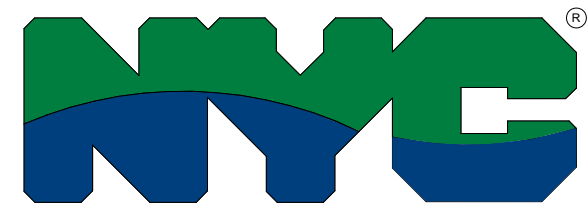
ELECTRICAL
LIGHTNING PROTECTION DETAILS

DATE: JANUARY 2023
SCALE:
SHEET NO:
14 OF No. 14
DRAWING NO.
E1-305

A	7/23	CONFORMED	CR
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Water Supply.

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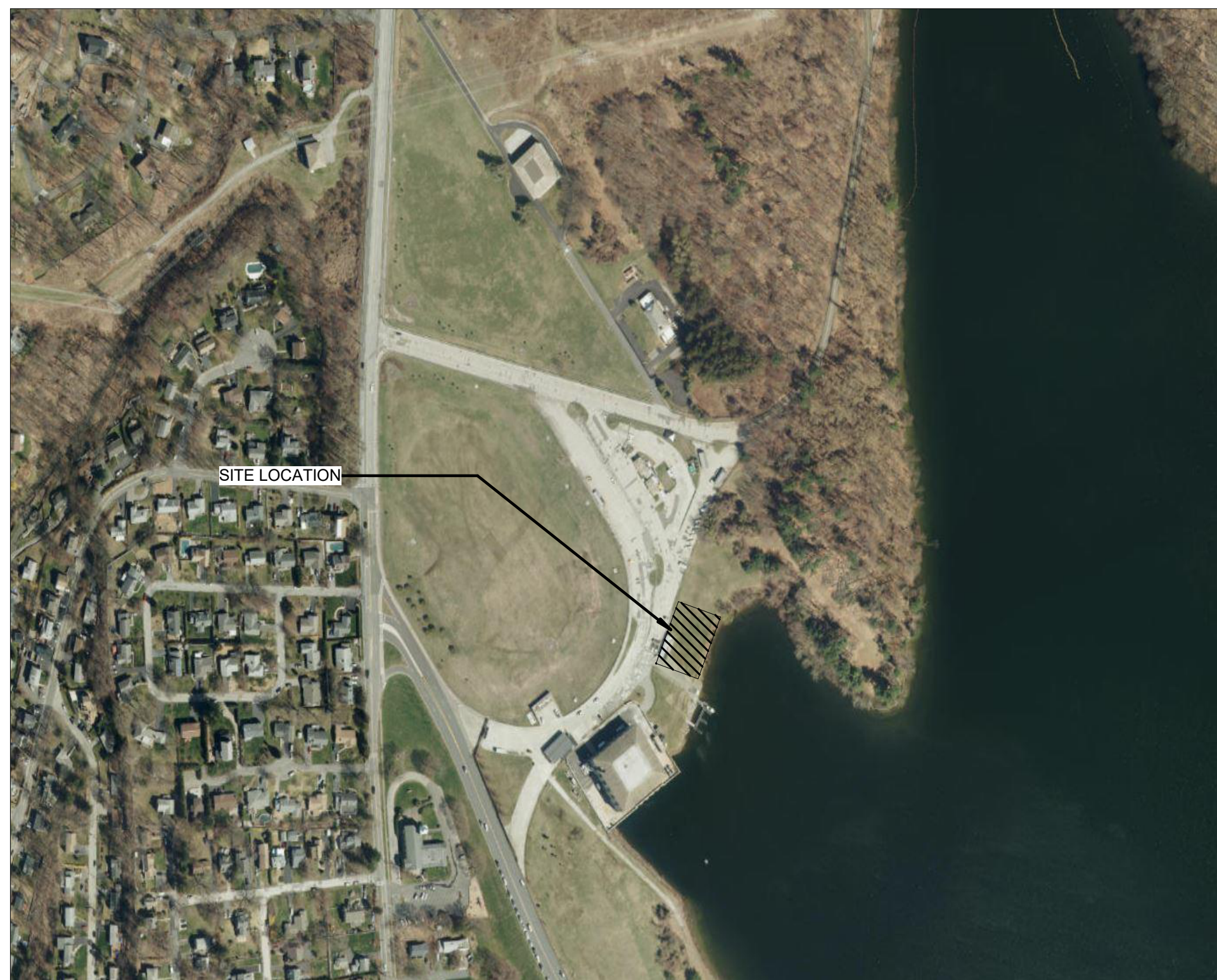


**NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY
DIVISION OF INFRASTRUCTURE DESIGN & CONSTRUCTION**

**CONTRACT NO. CRO-557H
TOWN OF MOUNT PLEASANT, NY**

**WATERFOWL
MANAGEMENT
PROGRAM BUILDING
AND PAVING**

**CONFORMED
JULY 2023**



KEY PLAN



LOCATION PLAN

CONFORMED SET
7/21/2023
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APPROVED FOR THE CITY OF NEW YORK

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DIRECTOR - PLANNING
BUREAU OF WATER SUPPLY

PAUL V. RUSH, P.E.
DEPUTY COMMISSIONER
BUREAU OF WATER SUPPLY

ROHIT T. AGGARWALA
COMMISSIONER
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING AT KENSICO CAMPUS MOUNT PLEASANT, NY

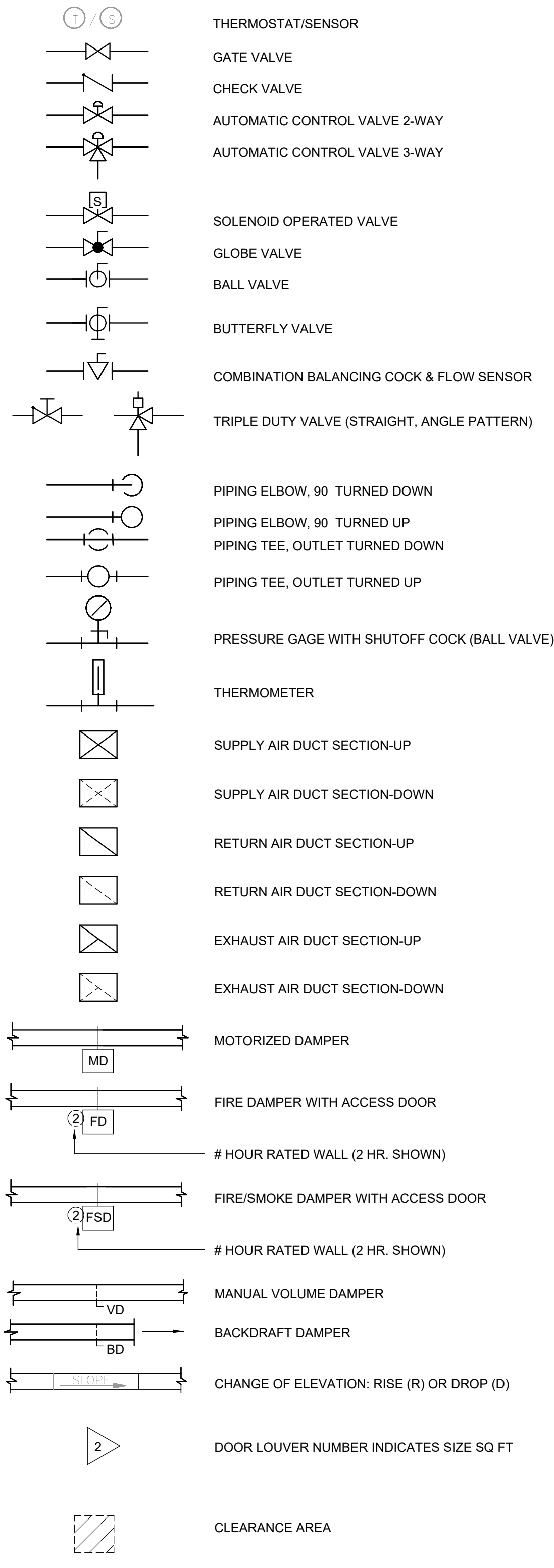
SHEET NO.	DRAWING NO.	TITLE
<u>GENERAL</u>		
1	G1-000	COVER PAGE
2	G1-001	SHEET INDEX
<u>HVAC</u>		
3	H0-001	LEGEND, ABBREVIATIONS & NOTES
4	H0-002	SCHEDULES SHEET NO. 1
5	H0-003	SCHEDULES SHEET NO. 2
6	H0-004	VENTILATION SCHEDULE
7	H0-005	FLOW CONTROL DIAGRAMS
8	H1-100	FIRST LEVEL (EL 364.33) - DUCTWORK PLAN
9	H1-101	FIRST LEVEL (EL 364.33) - PIPING PLAN
10	H1-200	SECTIONS & ENLARGED PLANS
11	H1-300	DETAILS SHEET NO. 1
12	H1-301	DETAILS SHEET NO. 2

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2021
GENERAL SHEET INDEX	SCALE:
	SHEET NO: 2 OF No. 12
	DRAWING NO. G1-001

	DESIGNED BY: M. LOPEZ	DRAWN BY: M. LOPEZ		ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION. 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION. 7209.2.*	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK GENERAL SHEET INDEX	
	CHECKED BY: E. BARBOE, P.E.	DESIGN LEAD: EDWARD BARBOE, P.E.		PORTFOLIO MANAGER MARK DELBALZO, P.E.				
A	7/23	CONFORMED	CR					
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D					

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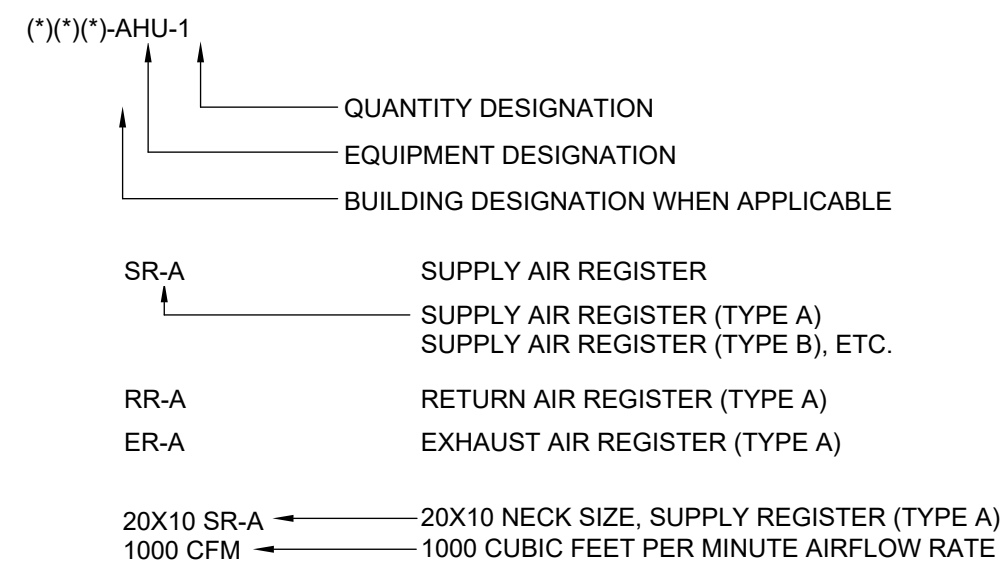
SYMBOLS



ABBREVIATIONS

AC	AIR CONDITIONING, AIR CONDITIONING UNIT	RA	RETURN AIR
ACCU	AIR COOLED CONDENSING UNIT	RH	RELATIVE HUMIDITY
ACC	AIR COOLED CONDENSER	RL	REFRIGERANT LIQUID
ACH	AIR CHANGES PER HOUR	RLA	RATED LINE AMPS
AD	ACCESS DOOR	RS	REFRIGERANT SUCTION
AFF	ABOVE FINISHED FLOOR	RPM	REVOLUTIONS PER MINUTE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	SA	SUPPLY AIR
AHU	AIR HANDLING UNIT	SD	SMOKE DETECTOR
AI	ANALOG INPUT	SF	SUPPLY AIR FAN
AO	ANALOG OUTPUT	SG	SUPPLY GRILLE
APD	AIR PRESSURE DROP	SHR	SENSIBLE HEAT RATIO
AS	AIR SEPARATOR	SP	STATIC PRESSURE
ATC	AUTOMATIC TEMPERATURE CONTROL	SPEC	SPECIFICATION
ATU	AIR TERMINAL UNIT	SR	SUPPLY REGISTER
B	BOILER	SS	STAINLESS STEEL
BD	GRAVITY BACKDRAFT DAMPER	SV	SOLENOID VALVE
BFP	BACKFLOW PREVENTER	TA	TRANSFER AIR
BHP	BRAKE HORSEPOWER	TEMP	TEMPERATURE
BOD	BOTTOM OF DUCT	TF	TRANSFER FAN
BOR	BOTTOM OF REGISTER	TH	TOTAL HEAT
BOT	BOTTOM	TI	TEMPERATURE INDICATOR
BTUH	BRITISH THERMAL UNITS PER HOUR	TOD	TOP OF DUCT
CB	CIRCUIT BREAKER	TOR	TOP OF REGISTER
CD	CONDENSATE DRAIN	TOU	TOP OF UNIT
CF	CHEMICAL FEEDER	TSP	TOTAL STATIC PRESSURE
CFM	CUBIC FEET OF STANDARD AIR PER MINUTE	TS	TEMPERATURE SENSOR
CH	CABINET UNIT HEATER	TYP	TYPICAL
CLG	CEILING	UH	UNIT HEATER
CONN	CONNECTION	V	VOLTS
CRAC	CONTROL ROOM AIR CONDITIONING	VAV	VARIABLE AIR VOLUME
CWS	CHILLED WATER SUPPLY	VD	VOLUME DAMPER
CWR	CHILLED WATER RETURN	VEL	VELOCITY
dB	DECIBELS	VH	HEATING CONTROL VALVE
DB	DRY BULB	VC	COOLING CONTROL VALVE
DC	DOOR CURTAIN	VFD	VARIABLE FREQUENCY DRIVE
DDC	DIRECT DIGITAL CONTROL	VVT	VARIABLE VOLUME AND VARIABLE TEMPERATURE
DHU	DEHUMIDIFIER	WPD	WATER PRESSURE DROP
DI	DIGITAL INPUT	W	WITH
DX	DIRECT EXPANSION REFRIGERANT	WB	WET BULB
DIA, Ø	DIAMETER	WC	WATER COLUMN
DM	DAMPER MOTOR		
DN	DOWN		
DO	DIGITAL OUTPUT		
EA	EXHAUST AIR		
EC	ELECTRICAL CONTRACTOR		
EAT	ENTERING AIR TEMPERATURE		
EDH	ELECTRIC DUCT HEATER		
EER	ENERGY EFFICIENCY RATIO		
EF	EXHAUST FAN		
EG	EXHAUST GRILLE		
ELEC	ELECTRICAL		
EL/ELEV	ELEVATION		
ER	EXHAUST REGISTER		
ES	ENTHALPY SENSOR		
ESP	EXTERNAL STATIC PRESSURE		
ET	EXPANSION TANK		
EUH	ELECTRIC UNIT HEATER		
EWL	ELECTRIC WALL HEATER		
EWT	ENTERING WATER TEMPERATURE		
FA	FREE AREA		
FC	FORWARD CURVED OR FAN COIL		
FD	FIRE DAMPER WITH ACCESS DOOR		
FLA	FULL LOAD AMPS		
FPI	FINS PER INCH		
FPM	FEET PER MINUTE		
FT	FEET		
FTR	FINNED TUBE RADIATION		
GC	GENERAL CONTRACTOR		
GPM	GALLONS PER MINUTE		
HG	HOT GAS		
HP	HORSEPOWER OR HEAT PUMP		
HV	HEATING AND VENTILATING UNIT		
HWB	HOT WATER BOILER		
HWC	HOT WATER COIL		
HWP	HOT WATER PUMP		
HWS	HOT WATER SUPPLY		
HWR	HOT WATER RETURN		
IDEC	INDIRECT EVAPORATIVE COOLING		
IN, WG	INCHES OF WATER GAGE		
KW	KILOWATT (1,000 WATTS)		
L1	LOUVER (TYPE 1)		
LAT	LEAVING AIR TEMPERATURE		
LD1	LINEAR DIFFUSER (TYPE 1)		
LF	LINEAR FEET		
LR	LINEAR RETURN		
LWT	LEAVING WATER TEMPERATURE		
MAU	MAKEUP AIR UNIT		
MAX	MAXIMUM		
MBH	1,000 BTU PER HOUR		
MCA	MINIMUM CIRCUIT AMPACITY		
MD	MOTORIZED DAMPER		
MOP	MAXIMUM OVERCURRENT PROTECTION		
MTD	MOUNTED		
NC	NORMALLY CLOSED, NOISE CRITERIA		
NG	NATURAL GAS		
NK	NECK		
NO	NORMALLY OPEN		
NTS	NOT TO SCALE		
OA	OUTSIDE AIR		
OAI	OUTSIDE AIR INTAKE		
ORP	OXYGEN REDUCTION POTENTIAL		
P	PUMP		
PC	PLUMBING CONTRACTOR		
PD	PRESSURE DROP		
PF	PROPELLER FAN		
PH, Ø	PHASE		
PI	PRESSURE INDICATOR		
PPU	POSITIVE PRESSURIZATION UNIT		
PRP	PROPELLER		
PRV	PRESSURE REGULATING VALVE		
PTAC	PACKAGED TERMINAL AIR CONDITIONING UNIT		
PS	PRESSURE SENSOR		
PW	POTABLE WATER		

BASIC TAG NUMBERING SYSTEM



GENERAL NOTES

- THE SYMBOLS AND ABBREVIATIONS LIST ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE INTENDED FOR GENERAL USE ON ALL PROJECTS. THEREFORE NOT ALL THE SYMBOLS AND ABBREVIATIONS CONTAINED IN THIS LIST ARE NECESSARILY USED ON THIS PARTICULAR PROJECT AND SHOULD BE USED FOR CLARIFICATION ONLY.
- ALL DUCT DIMENSIONS ARE CLEAR DIMENSIONS TO INSIDE OF DUCT. DIMENSIONS TO DUCTS FROM FLOOR OR WALL SHALL BE TO THE OUTSIDE OF DUCT/INSULATION. WHERE INTERNAL INSULATION IS REQUIRED THE DUCT SIZE SHALL BE INCREASED TO GIVE CLEAR INSIDE DIMENSIONS AS NOTED ON THE DRAWINGS.
- EQUIPMENT SIZES AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS TO BE DETERMINED BY EQUIPMENT FURNISHED. COORDINATE HVAC WORK WITH THE WORK OF ALL OTHER TRADES.
- FINAL OPENING DIMENSIONS, CONCRETE PAD SIZES, AND LOCATIONS MUST BE COORDINATED DURING CONSTRUCTION WITH APPROVED EQUIPMENT.
- FINAL SIZES OF FLOOR OPENINGS, DUCT PLENUMS, TRANSITIONS AND PIPING CONNECTIONS TO ALL EQUIPMENT SHALL BE DETERMINED BY EQUIPMENT FURNISHED.
- THE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW INTENDED GENERAL LOCATION OF HVAC EQUIPMENT AND SYSTEMS. NOT ALL OFFSETS AND REQUIRED FITTINGS FOR ACTUAL FIELD INSTALLATION ARE INTENDED TO BE SHOWN FOR INSTALLATION OF SYSTEMS IN THE SPACE AVAILABLE IN CONSIDERATION OF WORK OF OTHER TRADES AND FIELD CONDITIONS. HVAC CONTRACTOR SHALL PROVIDE ADDITIONAL OFFSETS IN DUCTWORK AND PIPING AS REQUIRED TO AVOID SUCH INTERFERENCES OR FIELD CONDITIONS AT NO ADDITIONAL COST TO THE ORIGINAL CONTRACT AMOUNT.
- FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED OR WIDTH OF DUCT IN PLAN VIEW.
- COORDINATE THE REQUIREMENTS FOR HVAC OPENINGS AND SLEEVES IN BUILDING ELEMENTS WITH THE GC.
- HVAC CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 09900 FOR PAINTING REQUIREMENTS UNLESS OTHERWISE NOTED.
- REFER TO ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR INTERLOCKING WIRING REQUIREMENTS.
- HVAC CONTRACTOR SHALL COORDINATE DUCTWORK INSTALLATION WITH OTHER TRADES SO THAT THE DUCTWORK IS INSTALLED BEFORE THE PIPING, LIGHTING AND ELECTRICAL CONDUIT.
- PROVIDE ADEQUATE SUPPORT, PER THE MANUFACTURER'S RECOMMENDATIONS, FOR ALL HVAC EQUIPMENT.
- HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ELECTRICAL RATINGS FROM CERTIFIED DRAWINGS OF EQUIPMENT AND SHALL MAKE ANY BRANCH CIRCUIT DISTRIBUTION MODIFICATION REQUIREMENTS WITHOUT ANY ADDITIONAL COST TO OWNER. THE HVAC CONTRACTOR SHALL SUBMIT A SCHEDULE OF SUCH CHANGES FOR APPROVAL BY ENGINEER.
- WHEREVER THE REQUIREMENTS AND REGULATIONS OF STATE, FEDERAL AND LOCAL AUTHORITIES HAVING JURISDICTION DIFFER FROM THE DRAWINGS OR SPECIFICATIONS, THEY SHALL TAKE PRECEDENCE AND SHALL BE MADE PART OF THE CONTRACT (EXCEPT WHERE THE DRAWINGS OR SPECIFICATIONS ARE MORE STRINGENT).
- THE HVAC CONTRACTOR SHALL PROVIDE AND INSTALL FIRE AND SMOKE RATED DAMPERS IN HVAC DUCTS WHICH PENETRATE FIRE RATED BUILDING ASSEMBLIES AS SHOWN ON ARCHITECTURAL DRAWINGS.
- DUCTWORK AND PLENUM TO LOUVERS SHALL BE CONNECTED TO FRAMED OPENINGS AND, SEALED AIRTIGHT AND WEATHER RESISTANT.
- THERMOSTATS, SENSORS, AND/OR CONTROL PANEL LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE COORDINATED TO SUIT FIELD CONDITIONS.
- INSTALL WALL MTD SENSORS, CONTROLS AND THERMOSTATS 4'-0" AFF UNLESS OTHERWISE NOTED. ALIGN WITH OTHER NEARBY ITEMS SUCH AS LIGHT SWITCHES. DO NOT INSTALL CLOSER THAN 6-INCHES FROM EDGE OF DOOR FRAME OR CORNER OF WALL AS SHOWN ON ARCH PLANS. WHERE CONFLICTS MAY OCCUR WITH ITEMS SUCH AS LIGHT SWITCHES, MOUNT THE SENSOR OR CONTROL DEVICE 4'-6" AFF CENTERED ABOVE THE LIGHT SWITCH.
- PROVIDE ADEQUATE MEANS OF ACCESS CLEARANCE FOR ALL HVAC/MECHANICAL EQUIPMENT AND SYSTEMS THAT REQUIRE ACCESS FOR PROPER OPERATION, MAINTENANCE AND REPAIR PER RECOMMENDED MANUFACTURER CLEARANCES. PROVIDE ACCESS DOORS WHERE NECESSARY IN FINISHED WALLS OR DRYWALL CEILINGS FOR ACCESS TO VALVES, DAMPERS, OR CONTROL DEVICES.
- COORDINATE THE REQUIREMENTS OF HVAC HANGERS AND SUPPORTS W/ OTHER PRIME CONTRACTORS PROVIDING STRUCTURAL AND/OR ARCHITECTURAL BUILDING ELEMENTS WHICH HVAC SUPPORTS SHALL INTERFACE.
- HVAC CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING AND PIPE SLEEVES FOR ALL PIPE AND DUCT PENETRATIONS THRU FIRE RATED BUILDING ASSEMBLIES.
- HVAC CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, AND INSPECTIONS.
- FOR ADDITIONAL REQUIREMENTS REFER TO SPECIFICATIONS.

LINETYPES

— RL —	REFRIGERANT LIQUID
— RS —	REFRIGERANT SUCTION
- - HWS - -	HOT WATER SUPPLY LINE
- - HWR - -	HOT WATER RETURN LINE
— V —	VENT
— CW —	COLD WATER
— CD —	CONDENSATE DRAIN
— MU —	MAKE UP WATER
— D —	DRAIN
— NG —	NATURAL GAS
— CF —	CHEMICAL FEED
— C —	CONDENSER WATER SUPPLY
— CR —	CONDENSER WATER RETURN

CONFORMED SET

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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
HVAC
LEGEND, ABBREVIATIONS & NOTES

DATE: JANUARY 2023

SCALE:

SHEET NO:

3 OF No. 12

DRAWING NO.

H0-001

DESIGNED BY:

R. CHIN

R. CHIN

CHECKED BY:

N. BARTLEY

DESIGN LEAD:

EDWARD BARBOE, P.E.



ACCOUNTABLE MANAGER

JOSE NIEVES

PORTFOLIO MANAGER

MARK DELBALZO, P.E.

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VALHALLA, NEW YORK 10595-1336

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HVAC - DX AIR HANDLING UNIT SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	AREA SERVED	AIRFLOW (CFM)	MIN. OUTSIDE AIR (CFM)	ESP (IN WC)	MOTOR		HEATING COIL					COOLING COIL				POWER					WEIGHT (LBS)	NOTES			
								BHP	HP	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	FLOW (GPM)	CAPACITY (MBH)	EAT (°F) DB	WB	LAT (°F) DB	WB	MAX AIR P.D. (°WG)	TOTAL CAPACITY (MBH)	VOLTS	PHASE			HERTZ	MCA	FLA
AHU-1	WORK AREA	TRANE	BCHC090F	WATERFOWL BUILDING	2940	2290	2.0	2.886	3	51.7	78	180	160	8.36	83.7	78	67	54	53	0.545	115.50	230	3	60	14	11.20	401.3	1,2,3,4,5
AHU-2	WORK AREA	TRANE	BCHC012F	WORKSHOP	300	55	2.0	3	1/2	55.4	78	180	160	0.74	7.4	77	67	55	54	0.254	14.31	230	3	60	3.25	2.60	135.1	1,2,3,4,5

- NOTES:
 1. SEE SPEC 15730 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. PROVIDE CONDENSATE PUMP ON 1" CONDENSATE DRAIN TO FLOOR DRAIN IN MECHANICAL ROOM
 3. PROVIDE WITH SECONDARY DRAIN PAN BELOW UNIT
 4. PROVIDE LEAK DETECTOR
 5. PROVIDE WITH FLOAT SWITCH TO TURN OFF UNIT IN CASE OF CONDENSATE OVERFLOW

Reduce to 650
 Reduce to 0.5
 Reduce to 0.083

HVAC - AIR COOLED CONDENSING UNIT SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	UNIT SERVED	DESIGN CAPACITY (TONS)	COMPRESSOR TYPE	CONDENSER FAN	POWER					DIMENSIONS (W X L X H) (IN)	APPROXIMATE WEIGHT (LBS)	NOTES	
								VOLTS	PHASE	HERTZ	FLA	MCA				MOP
ACCU-1	OUTDOORS	TRANE	TTA12043C	AHU-1	10	SCROLL	1	208 V	3	60	5	41	50	40 X 52 X 39	416	1,2
ACCU-2	OUTDOORS	TRANE	4TTR3018H	AHU-2	1.5	SCROLL	1	208 V	3	60	0.60	12	5.85	25 X 28 X 28	133	1,2

- NOTES:
 1. SEE SPEC 15730 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. OUTDOOR AIR TEMPERATURE SENSOR OPENING SHALL NOT BE BLOCKED.

HVAC - EXHAUST FAN SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	FAN TYPE	DRIVE	AIRFLOW (CFM)	ESP (IN WC)	FAN BHP	FAN RPM	MOTOR HP	POWER SUPPLY		APPROXIMATE WEIGHT (LBS)	NOTES
											VOLTS	PHASE		
EF-1	OUTDOOR STORAGE	GREENHECK	SQ-80-VG	CENTRIFUGAL INLINE	DIRECT	380	0.25	0.06	1659	1/10	115 V	1	49	1,2,3,4,5
EF-2	FUEL STORAGE	GREENHECK	SQ-98-VG	CENTRIFUGAL INLINE	DIRECT	100	0.1	0.01	730	1/10	115 V	1	49	1,2,3,4,5,6
EF-3	BOAT WASH	GREENHECK	SQ-140-VG	CENTRIFUGAL INLINE	DIRECT	735	0.1	0.03	508	3/4	115 V	1	90	1,2,3,4,5
EF-4	PYRO STORAGE	GREENHECK	SQ-60-VG	CENTRIFUGAL INLINE	DIRECT	70	0.1	0.01	1004	1/15	115 V	1	30	1,2,3,4,5,6
EF-5	MECHANICAL ROOM	GREENHECK	SQ-98-VG	CENTRIFUGAL INLINE	DIRECT	110	0.1	0.01	730	1/10	115 V	1	49	1,2,3,4,5
EF-6	PPE ROOM	GREENHECK	SQ-98-VG	CENTRIFUGAL INLINE	DIRECT	280	0.25	0.06	1659	1/10	115 V	1	49	1,2,3,4,5
EF-7	WORKSHOP	GREENHECK	AX-36-160-0417	TUBE AXIAL INLINE	DIRECT	2290	1.3	0.97	3600	1/3	208 V	3	60	1,2,3,4,5

- NOTES:
 1. SEE SPEC 15830 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. PROVIDE WITH BACKDRAFT DAMPER
 3. PROVIDE WITH WIRE MESH SCREEN ON INLET
 4. AMCA TYPE A SPARK RESISTANT CONSTRUCTION
 5. PROVIDE WITH SPRING VIBRATION ISOLATORS
 6. PROVIDE WITH EXP MOTOR ENCLOSURE

250
 increase to 0.5
 change

Note reference revised

HVAC - DIFFUSERS, REGISTERS, & GRILLES SCHEDULE

TAG	MANUFACTURER	MODEL	AIRFLOW RANGE (CFM)	NECK SIZE (IN)	WIDTH (IN)	HEIGHT (IN)	STATIC PD (IN WC)	TYPE	MATERIAL	SIZE (IN)	SERVICE	NOTES
SR-A	TITUS	301FL	0-300	6	10	6	0.01	LAY IN BORDER	ALUMINUM	10 X 6	SUPPLY	1,2,3
SR-B	TITUS	301FL	300-500	8	10	10	0.01	LAY IN BORDER	ALUMINUM	10 X 10	SUPPLY	1,2,3
RR-A	TITUS	301FL	0-300	6	10	6	0.01	LAY IN BORDER	ALUMINUM	10 X 6	RETURN	1,2,3
RR-B	TITUS	301FL	300-500	8	10	10	0.01	LAY IN BORDER	ALUMINUM	10 X 10	RETURN	1,2,3
ER-A	TITUS	350FL	0-100	6	12	12	0.01	4-WAY	ALUMINUM	12 X 12	EXHAUST	1,2,3
ER-B	TITUS	301FL	0-100	6	10	10	0.01	LAY IN BORDER	ALUMINUM	10 X 10	EXHAUST	1,2,3

- NOTES:
 1. SEE SPEC 15810 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. REFER TO DRAWINGS FOR LOCATIONS AND QUANTITIES
 3. PROVIDE WITH OPPOSED BLADE DAMPER

HVAC - LOUVER SCHEDULE

TAG	LOCATION	DESCRIPTION	SYSTEM/ UNIT SERVICE	MANUFACTURER	MODEL	TYPE	MATERIAL	WIDTH	HEIGHT	DEPTH	Flow	FREE AREA (SQ.FT)	MAX FACE VELOCITY (FPM)	STATIC P.D. (°WG)	NOTES
L1	BOAT WASH	EXHAUST LOUVER	EXHAUST AIR / EF-3	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	24	24	8	735 CFM	1.41	522	0.035	1,2
L2	BOAT WASH	INTAKE LOUVER	INTAKE AIR	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	24	24	8	735 CFM	1.41	522	0.035	1,2
L3	MECHANICAL ROOM	EXHAUST LOUVER	EXHAUST AIR / EF-5	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	12	12	8	110 CFM	0.15	733	0.08	1,2
L4	MECHANICAL ROOM	INTAKE LOUVER	INTAKE AIR	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	12	12	8	110 CFM	0.15	733	0.08	1,2
L5	WORKSHOP	INTAKE LOUVER	INTAKE AIR / AHU-1 & AHU-2	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	18	18	8	705 CFM	0.63	1119	0.17	1,2
L6	LAUNDRY/STORAGE ROOM	INTAKE LOUVER	INTAKE AIR	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	18	24	8	600 CFM	1.02	868	0.035	1,2
L7	PPE ROOM	EXHAUST LOUVER	EXHAUST AIR / EF-6	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	18	12	8	200 CFM	0.24	833	0.09	1,2
L8	BOAT WASH	EXHAUST LOUVER	EXHAUST AIR / AHU-1 & AHU-2	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	36	24	8	2290 CFM	2.18	1050	0.14	1,2
L9	WORKSHOP	EXHAUST LOUVER	EXHAUST AIR	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	12	12	8	55 CFM	0.15	367	0.017	1,2
L10	MECHANICAL ROOM	COMBUSTION AIR INTAKE	INTAKE AIR / HWB-1	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	18	12	8	100 CFM	0.45	222	0.01	1,2
L11	MECHANICAL ROOM	COMBUSTION AIR INTAKE	INTAKE AIR / HWB-1	RUSKIN	ELC6375DAX	COMBINATION LOUVER/DAMPER	ALUMINUM	18	12	8	100 CFM	0.45	222	0.01	1,2

- NOTES:
 1. SEE SPEC 15810 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. HVAC CONTRACTOR SHALL COORDINATE OPENING DIMENSIONS REQUIRED FOR PROPER INSTALLATION WITH ARCHITECTURAL

increase to 48 x 24
 increase to 2290 from 705
 increase to 250 CFM
 increase to 2.94
 decrease to 780
 decrease to 0.09

HVAC - ELECTRIC WALL AND DUCT HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	TYPE	HEATING CAPACITY (KW)	AIR FLOW (CFM)	POWER				NOTES
							VOLTS	PHASE	HZ	MAX AMPS	
EDH-1	KITCHENETTE	INDEECO	QUA	SLIP IN	4.3	50	208 V	3	60	12	1
EDH-2	CORRIDOR	INDEECO	QUA	SLIP IN	4.3	120	208 V	3	60	12	1
EDH-3	CORRIDOR	INDEECO	QUA	SLIP IN	4.3	50	208 V	3	60	12	1
EWH-1	UNISEX SHOWER	MARKEL	E3055T2DWB	FAN FORCED WALL HEATER	1.5	-	120 V	1	60	12.5	1
EWH-2	UNISEX SHOWER	MARKEL	E3055T2DWB	FAN FORCED WALL HEATER	1.5	-	120 V	1	60	12.5	1

- NOTES:
 1. SEE SPEC 15761 FOR CONSTRUCTION AND ACCESSORY DETAILS

CONFORMED SET

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22"x34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
 MOUNT PLEASANT, NEW YORK
 HVAC SCHEDULES SHEET NO. 1

DATE: JANUARY 2023
 SCALE:
 SHEET NO: 4 OF No. 12
 DRAWING NO: H0-002

HVAC - BOILER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	AREA SERVED	TYPE	INPUT RATE (BTUH)	OUTPUT RATE (BTUH)	THERMAL EFFICIENCY (%)	FUEL			EWT (°F)	LWT (°F)	MAX. WATER FLOW RATE (GPM)	WATER PD (FT)	POWER SUPPLY		DIMENSIONS (H X W X D) (IN)	WEIGHT (LBS)	NOTES
									TYPE	CONNECTION SIZE (IN)	INLET PRESSURE RANGE (IN W.C.)					VOLTS	PHASE			
HWB-1	MECHANICAL ROOM	LOCHINVAR	CBN260	WATERFOWL BUILDING	NON CONDENSING	260,000	213,200	84	NATURAL GAS	3/4	4.5-14	160	180	20	6.3	120	1	21-1/2 X 29-1/2 X 29-1/2	225	1

NOTES:
1. SEE SPEC 15513 FOR CONSTRUCTION AND ACCESSORY DETAILS

HVAC - PUMP SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	MAX. FLOW RATE (GPM)	TOTAL HEAD (FT)	SIZE (IN)		MOTOR		POWER			NOTES
						SUCTION	DISCHARGE	HP	RPM	VOLTS	PHASE	HZ	
HWP-1	MECHANICAL ROOM	BELL AND GOSSETT	ECOCIRC XL 55-45	20	40	4.19	4.19	.5	4184	208 V	1	60	1
HWP-2	MECHANICAL ROOM	BELL AND GOSSETT	ECOCIRC XL 55-45	20	40	4.19	4.19	.5	4184	208 V	1	60	1

NOTES:
1. SEE SPEC 15530 FOR CONSTRUCTION AND ACCESSORY DETAILS

decrease to 17

HVAC - EXPANSION TANK SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	MAXIMUM DESIGN TEMPERATURE (°F)	MAXIMUM WORKING PRESSURE (PSIG)	TANK VOLUME (GAL)	REQUIRED ACCEPTANCE VOLUME (GAL)	TYPE	DIAMETER (IN)	WEIGHT (EMPTY/FULL) (LBS)	NOTES
ET-1	MECHANICAL ROOM	BELL AND GOSSETT	D-15V	240 °F	125	8	2.4	DIAPHRAGM	12	43/110	1

NOTES:
1. SEE SPEC 15130 FOR CONSTRUCTION AND ACCESSORY DETAILS

HVAC - DEHUMIDIFIER SCHEDULE - DESICCANT TYPE

TAG	LOCATION	MANUFACTURER	MODEL	AIRFLOW (CFM)		STATIC PRESSURE (IN WC)		TOTAL POWER (kW)	HEATER POWER (kW)	ELECTRICAL			DIMENSIONS (IN)	WEIGHT (LBS)	NOTES
				PROCESS	REACTIVATION	PROCESS	REACTIVATION			VOLTS	PHASE	AMPS			
DHU-1	LAUNDRY/STORAGE ROOM	MUNTERS	M190L	135 CFM	18 CFM	1.0	0.4	0.95	0.84	115 V	1	8.3	17.5 X 10.6 X 21.9	25	1,2,3
DHU-2	PPE ROOM	MUNTERS	M190L	135 CFM	18 CFM	1.0	0.4	0.95	0.84	115 V	1	8.3	17.5 X 10.6 X 21.9	25	1,2,3

NOTES:
1. SEE SPEC 15740 FOR CONSTRUCTION AND ACCESSORY DETAILS
2. PROVIDE MOUNTING BRACKETS
3. PROVIDE REMOTE CONTROL

HVAC - HOT WATER UNIT HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	CAPACITY (MBH)	WATER FLOW (GPM)	EWT (F)	LWT (F)	ESP (IN WC)	POWER			WEIGHT (LBS)	NOTES
											VOLTS	PHASE	HERTZ		
UH-1	BOAT WASH	AIRTHERM	HA-118A	HORIZONTAL	420 CFM	15	1.9	180	160	2.2	115 V	1	60	49	1,2,3,4
UH-2	BOAT WASH	AIRTHERM	HA-118A	HORIZONTAL	420 CFM	15	1.9	180	160	2.2	115 V	1	60	49	1,2,3,4
UH-3	MECHANICAL ROOM	AIRTHERM	HA-125A	HORIZONTAL	460 CFM	18	2.5	180	160	2.2	115 V	1	60	59	1,2,3,4
UH-4	PPE ROOM	AIRTHERM	HA-108A	HORIZONTAL	250 CFM	7	0.8	180	160	0.8	115 V	1	60	49	1,2,3,4
UH-5	LAUNDRY/STORAGE ROOM	AIRTHERM	HA-108A	HORIZONTAL	215 CFM	6	0.8	180	160	0.8	115 V	1	60	49	1,2,3,4

NOTES:
1. SEE SPEC 15760 FOR CONSTRUCTION AND ACCESSORY DETAILS
2. PROVIDE MOUNTING BRACKETS
3. PROVIDE WITH DISCONNECT SWITCH
4. PROVIDE WITH ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, AND STRAINERS

Added Finned Tube Schedule

Remove Note 4

HVAC - FINNED TUBE RADIATOR SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	BTU/LF	EAT (F)	EWT (F)	LWT (F)	LENGTH (FT)	FINS/FT	FIN SIZE (IN)	NOTES
FTR-1	113-DEP OFFICES	RITTLING	PBG5	1038	65	180	167.5	8'-0"	32	2-3/4" X 4"	1,2,3
FTR-2	113-DEP OFFICES	RITTLING	PBG5	1038	65	180	167.5	4'-0"	32	2-3/4" X 4"	1,2,3
FTR-3	105-MUD ROOM	RITTLING	PBG5	1038	65	180	167.5	4'-0"	32	2-3/4" X 4"	1,2,3
FTR-4	104-BREAK ROOM/TRAINING ROOM	RITTLING	PBG5	1038	65	180	167.5	11'-0"	32	2-3/4" X 4"	1,2,3
FTR-5	102-SWING OFFICES	RITTLING	PBG5	1038	65	180	167.5	10'-6"	32	2-3/4" X 4"	1,2,3
FTR-6	101-SUPERVISOR OFFICE	RITTLING	PBG5	1038	65	180	167.5	5'-0"	32	2-3/4" X 4"	1,2,3
FTR-7	101-SUPERVISOR OFFICE	RITTLING	PBG5	1038	65	180	167.5	10'-0"	32	2-3/4" X 4"	1,2,3
FTR-8	101-SUPERVISOR OFFICE	RITTLING	PBG5	1038	65	180	167.5	5'-0"	32	2-3/4" X 4"	1,2,3
FTR-9	112-WORKSHOP	RITTLING	PBG5	1038	65	180	167.5	5'-0"	32	2-3/4" X 4"	1,2,3

NOTES:
1. SEE SPEC 15762 FOR CONSTRUCTION AND ACCESSORY DETAILS
2. CONTRACTOR SHALL COORDINATE ALL ENCLOSURES WITH ARCHITECTURAL DRAWINGS
3. REFER TO PIPING PLAN ON H1-101 FOR FINNED TUBE RADIATOR LENGTHS

HVAC - CHEMICAL FEEDER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	SERVICE	CAPACITY (GAL)	MATERIAL	WEIGHT (LBS)	NOTES
CF-1	MECHANICAL ROOM	WESSELS	CPFTA-2	BOILER	5	CARBON STEEL	22	1

NOTES:
1. SEE SPEC 15130 FOR CONSTRUCTION AND ACCESSORY DETAILS

HVAC - FINNED TUBE RADIATOR SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	BTU/LF	EAT (F)	EWT (F)	LWT (F)	FINS/FT	FIN SIZE (IN)	NOTES
FTR-1	SEE PLANS	RITTLING	PBG5	1038	65	180	167.5	32	2-3/4" X 4"	1,2,3

NOTES:
1. SEE SPEC 15762 FOR CONSTRUCTION AND ACCESSORY DETAILS
2. CONTRACTOR SHALL COORDINATE ALL ENCLOSURES WITH ARCHITECTURAL DRAWINGS
3. REFER TO PIPING PLAN ON H1-101 FOR FINNED TUBE RADIATOR LENGTHS

HVAC - AIR SEPARATOR

TAG	LOCATION	MANUFACTURER	MODEL	SERVICE	TYPE	MAXIMUM FLOW (GPM)	MAXIMUM WORKING PRESSURE (PSIG)	DIAMETER (IN)	WEIGHT (LBS)	NOTES
AS-1	MECHANICAL ROOM	BELL AND GOSSETT	IAS-1 1/2	HOT WATER BOILER	INLINE	35	175	2 7/8	3 1/2	1

NOTES:
1. SEE SPEC 15130 FOR CONSTRUCTION AND ACCESSORY DETAILS

HVAC - GLYCOL FEEDER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	SERVICE	CAPACITY (GAL)	WEIGHT (LBS)	NOTES
GF-1	BOILER ROOM	WESSELS	GMP-18	HOT WATER SYSTEM	18	25	1

NOTES:
1. SEE SPEC 15130 FOR CONSTRUCTION AND ACCESSORY DETAILS

CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK HVAC SCHEDULES SHEET NO. 2	
DATE: JANUARY 2023	SCALE:
SHEET NO: 5 OF No. 12	DRAWING NO. H0-003

Autodesk Docs/060206-02A_CAT-423 WC-02A Waterflow Mgmt Program/0206-02A_H_WFB.rvt 12/14/2022 4:52:01 PM

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CHECKED BY: N. BARTLEY	DESIGN LEAD: EDWARD BARBOE, P.E.

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VENTILATION SCHEDULE										
SPACE	MECHANICAL CODE OCCUPANCY CLASSIFICATION (TABLE 403.3)	SERVED BY	Az (SQFT)	CODE REQUIRED MINIMUM VENTILATION				EXHAUST AIR		
				VENT. PER SF Ra (CFM/SQFT)	Pz (# OF PEOPLE)	VENT. PER PERSON Rp (CFM/PERSON)	OA REQUIRED (CFM)	EXHAUST AIRFLOW RATE (CFM/SQFT)	EA REQUIRED (CFM)	EA PROVIDED (CFM)
1ST FLOOR										
001-CORRIDOR	PUBLIC SPACES - CORRIDORS	AHU-1	438.6	0.06	0	-	26.32	-	-	-
100-VESTIBULE	OFFICE - MAIN ENTRY LOBBIES	AHU-1	40.6	0.06	0	-	2.44	-	-	-
101-SUPERVISOR OFFICE	OFFICES - OFFICE SPACES	AHU-1	155.6	0.06	1	5	14.34	-	-	-
102-SWING OFFICES	OFFICES - OFFICE SPACES	AHU-1	231.1	0.06	3	5	28.87	-	-	-
103-KITCHENETTE	OFFICES - BREAK ROOM	AHU-1	76.6	0.12	0	5	9.19	-	-	-
104-BREAK AREA	OFFICES - CONFERENCE ROOMS	AHU-1	241	0.06	12	5	74.96	-	-	-
105A-LAUNDRY/STORAGE	RETAIL STORES - STORAGE ROOM	AHU-1	93.1	0.12	0	-	11.17	-	-	-
105B-PPE ROOM	RETAIL STORES - STORAGE ROOM	AHU-1	155.8	0.12	0	-	18.70	-	-	-
105-MUD ROOM	RETAIL STORES - STORAGE ROOM	AHU-1	83.3	0.12	0	-	10.00	-	-	-
106-PYRO STORAGE	N/A	EF-4	53.3	-	0	-	-	0.5 CFM/SF	26.65	70
107-UNISEX RESTROOM	PUBLIC SPACES - TOILET ROOMS	EF-1	75.4	-	0	-	-	50*	50*	80
108-UNISEX SHOWER	PUBLIC SPACES - TOILET + SHOWER	EF-1	78.2	-	0	-	-	70*	70*	100
109-JANITOR'S CLOSET	N/A	EF-1	21.1	-	0	-	-	75*	75*	100
110-UNISEX SHOWER	PUBLIC SPACES - TOILET + SHOWER	EF-1	74.2	-	0	-	-	70*	70*	100
111-DEP OFFICES	OFFICES - OFFICE SPACES	AHU-1	167.6	0.06	2	5	20.06	-	-	-
112-WORKSHOP	RETAIL STORES - STORAGE ROOM	AHU-2	351.9	0.12	2	5	52.23	-	-	-
112C-IT/ELEC	N/A	-	97.3	-	0	-	-	-	-	-
113-MECH ROOM	N/A	AHU-1	110	1	0	-	110.00	-	-	-
114-FUEL STORAGE	AUTOMOTIVE MOTOR-FUEL DISPENSING STATIONS	EF-2	63	-	0	-	-	1.5 CFM/SF	94.5	95
115-OUTDOOR STORAGE	N/A	-	62.7	-	0	-	-	-	-	-
116-BOAT WASH	N/A	EF-3	980	-	0	-	-	0.75 CFM/SF	735	735

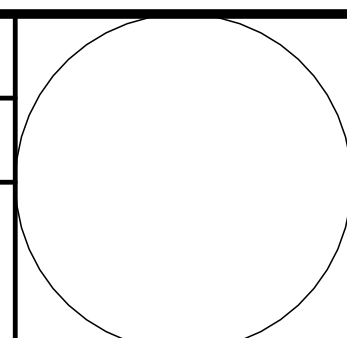
*RATES ARE PER WATER CLOSET OR URINAL

NOTES:

- REFER TO 2020 NEW YORK STATE MECHANICAL CODE, SECTION C403.3

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK HVAC VENTILATION SCHEDULE	
DATE: JANUARY 2023	SCALE:
SHEET NO: 6 OF No. 12	DRAWING NO. H0-004

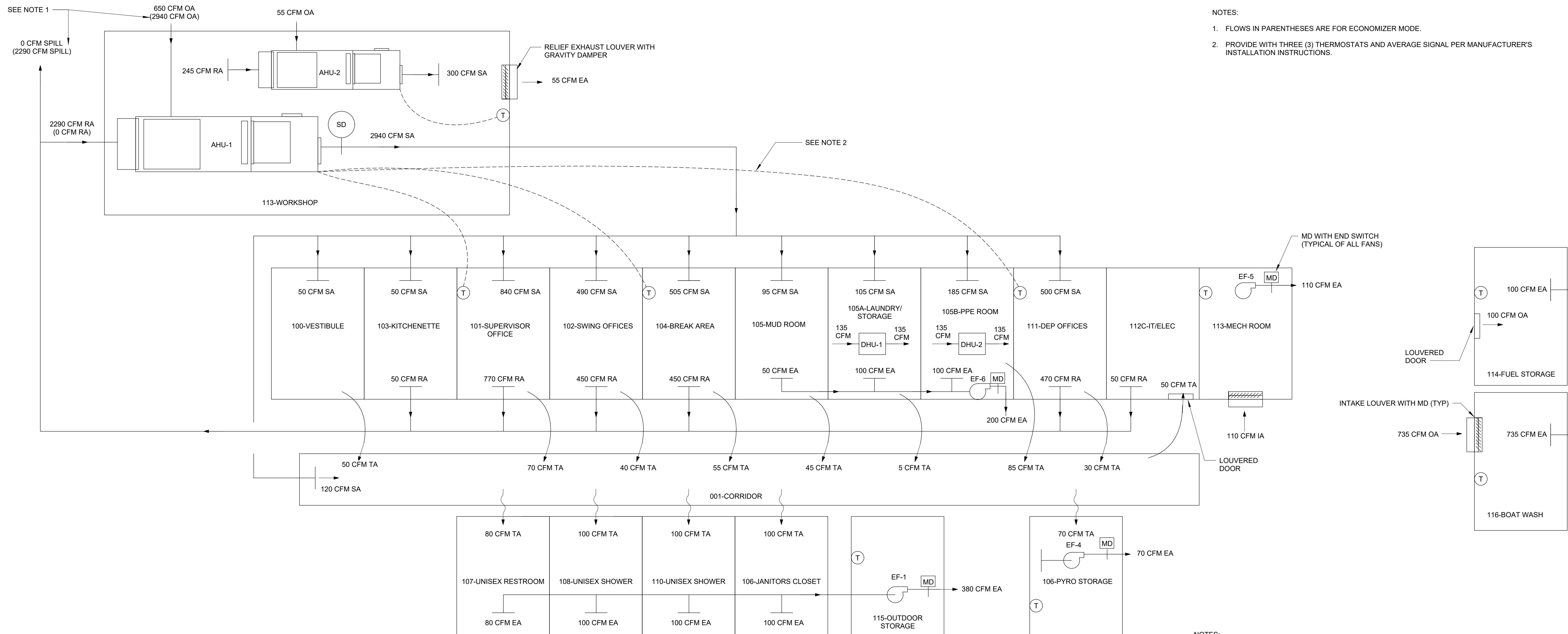
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CHECKED BY: N. BARTLEY	DESIGN LEAD: EDWARD BARBOE, P.E.
	
A 7/23	CONFORMED CR
NO. DATE	REVISIONS/DESCRIPTION APPR'D



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PORTFOLIO MANAGER MARK DELBALZO, P.E.

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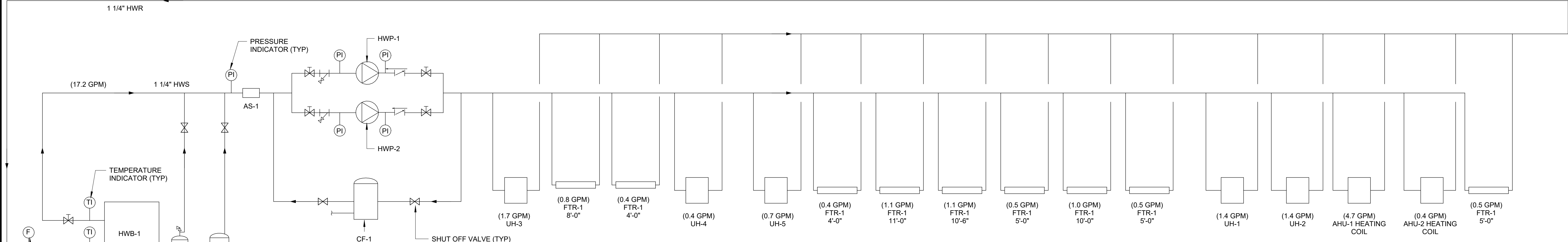
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NOTES:
 1. FLOWS IN PARENTHESES ARE FOR ECONOMIZER MODE.
 2. PROVIDE WITH THREE (3) THERMOSTATS AND AVERAGE SIGNAL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

AIR FLOW CONTROL DIAGRAM
 NTS

NOTES:
 1. HOT WATER SYSTEM SHALL BE 25% PROPYLENE GLYCOL
 2. SEE DETAILS ON H1-300 FOR PIPING ACCESSORIES AND APPURTENANCES



HOT WATER FLOW CONTROL DIAGRAM
 NTS

CONFORMED SET

GRAPHIC SCALES
 CHECK BEFORE USE

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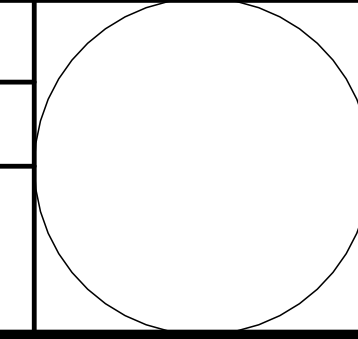
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CHECKED BY:
 N. BARTLEY

DRAWN BY:
 R. CHIN

DESIGN LEAD:
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Hazen



ACCOUNTABLE MANAGER
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PORTFOLIO MANAGER
 MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING
 AND PAVING
 MOUNT PLEASANT, NEW YORK
 HVAC
 FLOW CONTROL DIAGRAMS

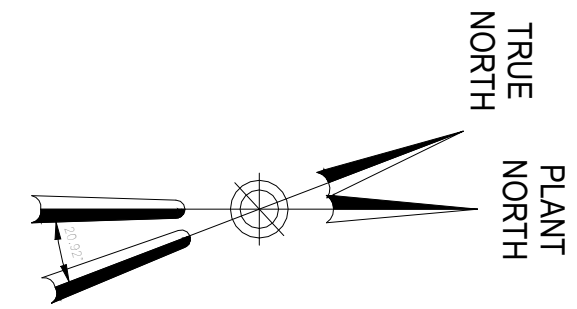
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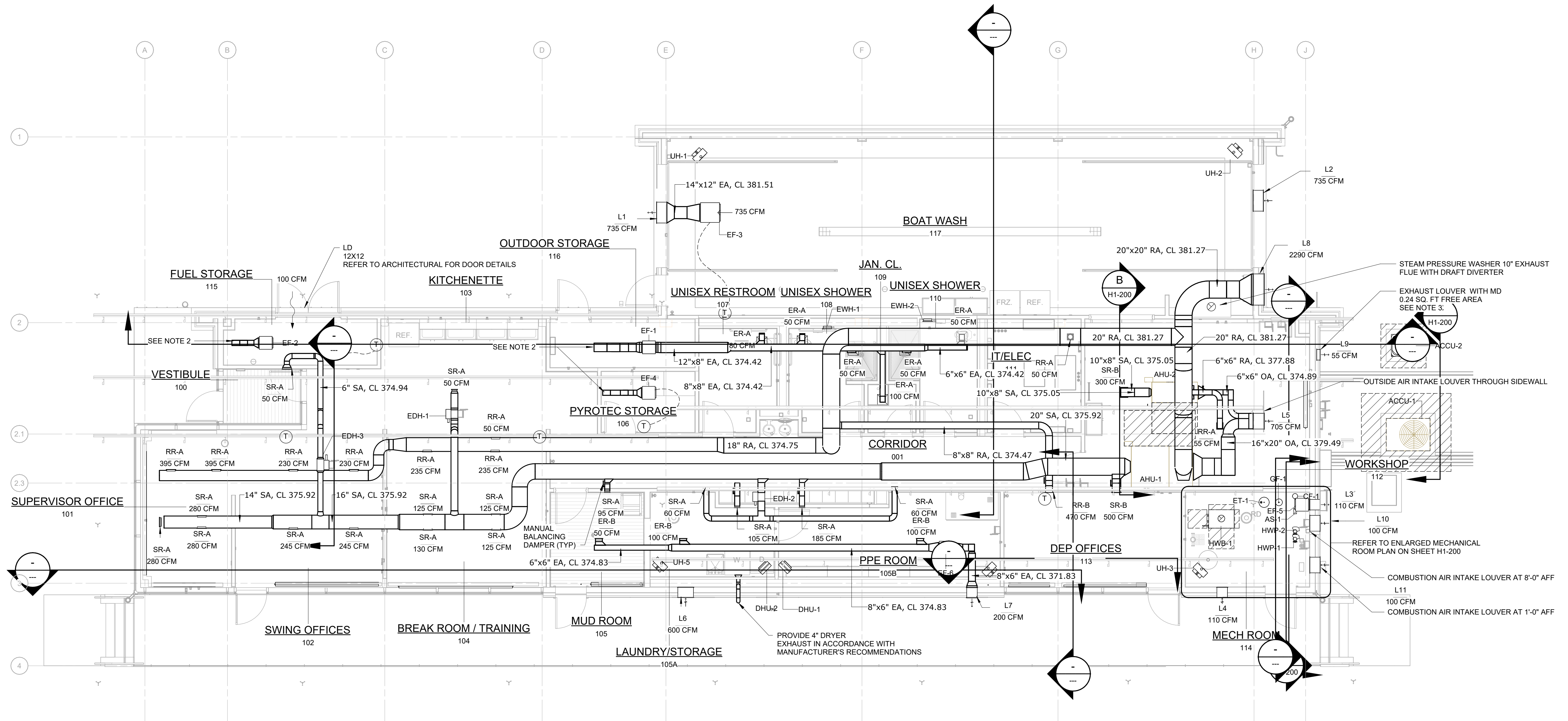
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 7 OF No. 12

DRAWING NO.
 H0-005

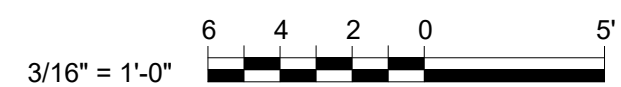
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- NOTES:
- ALL DUCTWORK SHALL BE MADE OF ALUMINUM UNLESS OTHERWISE NOTED. SEE SPECIFICATION 15810 FOR DETAILS.
 - EXHAUST FANS TO DUCT THROUGH ROOF AND TERMINATE WITH GOOSE NECK. SEE DETAIL ON SHEET H1-301.



FIRST LEVEL FLOOR PLAN (EL. 364.33) - DUCTWORK PLAN
3/16" = 1'-0"



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK HVAC FIRST LEVEL (EL 364.33) - DUCTWORK PLAN	DATE: JANUARY 2023 SCALE: SHEET NO: 8 OF No. 12 DRAWING NO. H1-100

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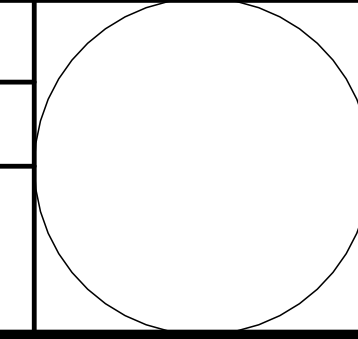
DESIGNED BY:
R. CHIN

DRAWN BY:
R. CHIN

CHECKED BY:
N. BARTLEY

DESIGN LEAD:
EDWARD BARBOE, P.E.

Hazen



NYC

Environmental Protection

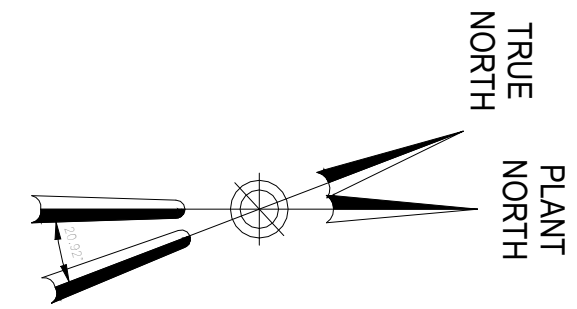
ACCOUNTABLE MANAGER
JOSE NIEVES

PORTFOLIO MANAGER
MARK DELBALZO, P.E.

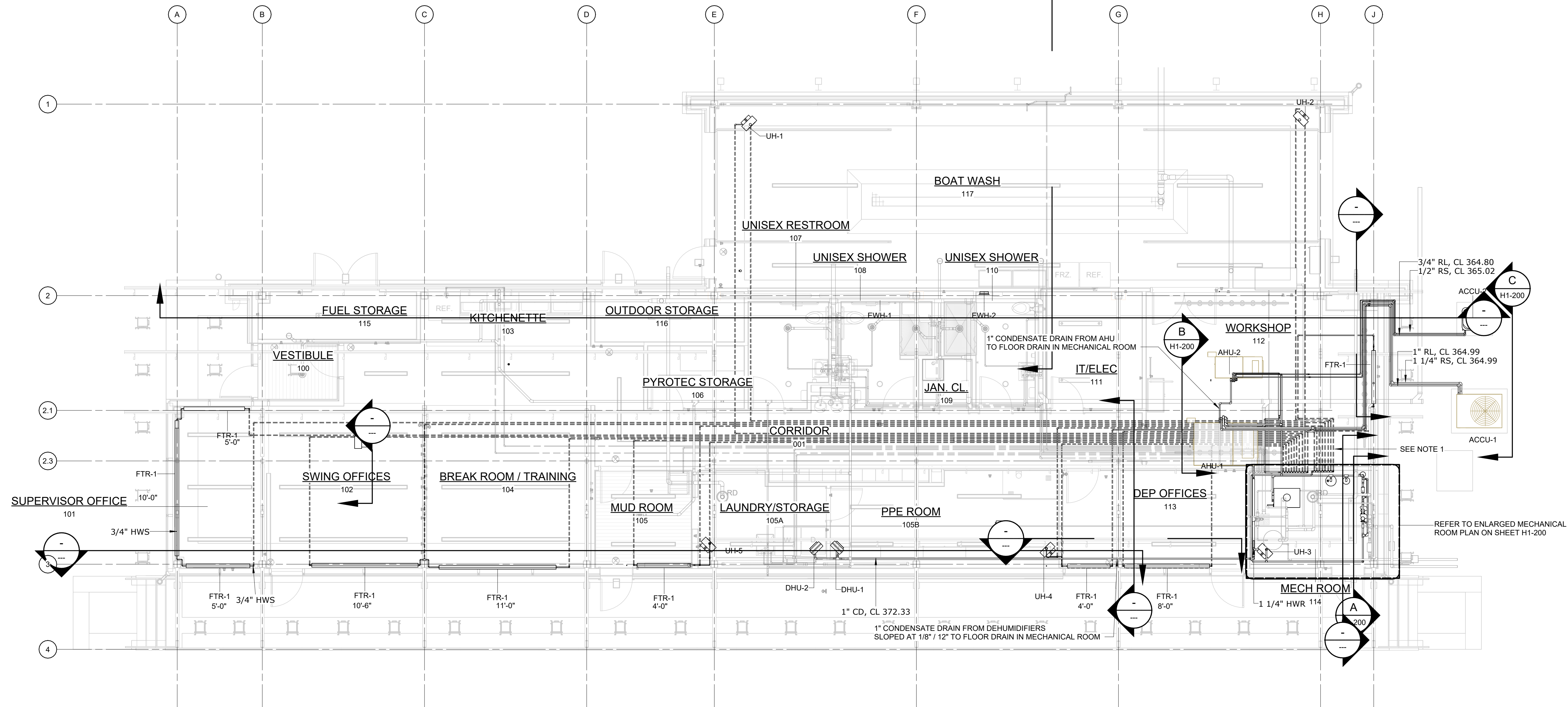
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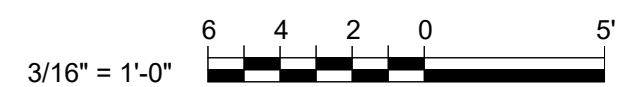


- NOTES:
- CONTRACTOR SHALL INSTALL BELOW GRADE SOFT COPPER TUBING HYDRONIC PIPING. REFER TO SPECIFICATION 15500 FOR COPPER TUBING DETAILS. PIPING SHALL BE LAID IN A TRENCH AND SHALL BACKFILL THE TRENCH WITH SAND. CONTRACTOR SHALL ROUTE BELOW GRADE PIPING BELOW GRADE BEAMS. REFER TO DETAIL ON H1-300.



FIRST LEVEL FLOOR PLAN (EL. 364.33) - PIPING PLAN

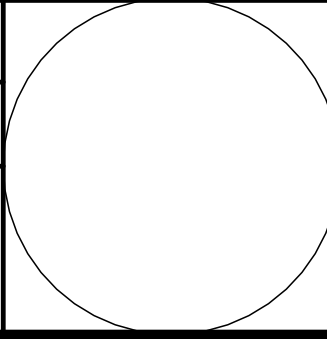
3/16" = 1'-0"



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	
HVAC FIRST LEVEL (EL. 364.33) - PIPING PLAN	
DATE: JANUARY 2023	SHEET NO. 9 OF No. 12
DRAWING NO. H1-101	

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D
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CHECKED BY: N. BARTLEY	DESIGN LEAD: EDWARD BARBOE, P.E.
Hazen	



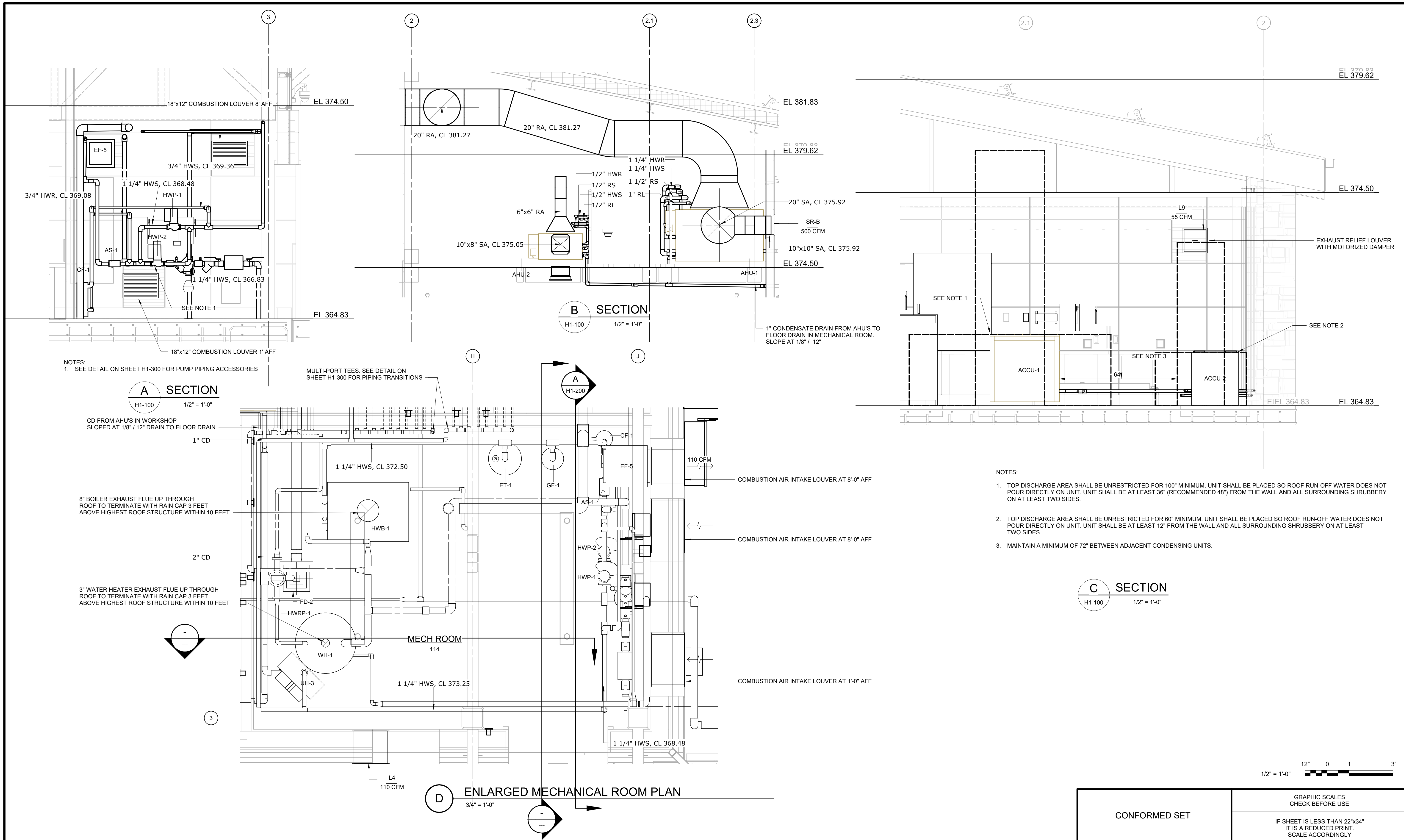
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PORTFOLIO MANAGER MARK DELBALZO, P.E.

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- NOTES:
- TOP DISCHARGE AREA SHALL BE UNRESTRICTED FOR 100" MINIMUM. UNIT SHALL BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT. UNIT SHALL BE AT LEAST 36" (RECOMMENDED 48") FROM THE WALL AND ALL SURROUNDING SHRUBBERY ON AT LEAST TWO SIDES.
 - TOP DISCHARGE AREA SHALL BE UNRESTRICTED FOR 60" MINIMUM. UNIT SHALL BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT. UNIT SHALL BE AT LEAST 12" FROM THE WALL AND ALL SURROUNDING SHRUBBERY ON AT LEAST TWO SIDES.
 - MAINTAIN A MINIMUM OF 72" BETWEEN ADJACENT CONDENSING UNITS.



CONFORMED SET	GRAPHIC SCALES CHECK BEFORE USE
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2023
HVAC SECTIONS & ENLARGED PLANS	SCALE:
	SHEET NO: 10 OF No. 12
	DRAWING NO. H1-200


A	7/23	CONFORMED	CR
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D

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R. CHIN

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R. CHIN

CHECKED BY:
N. BARTLEY

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EDWARD BARBOE, P.E.



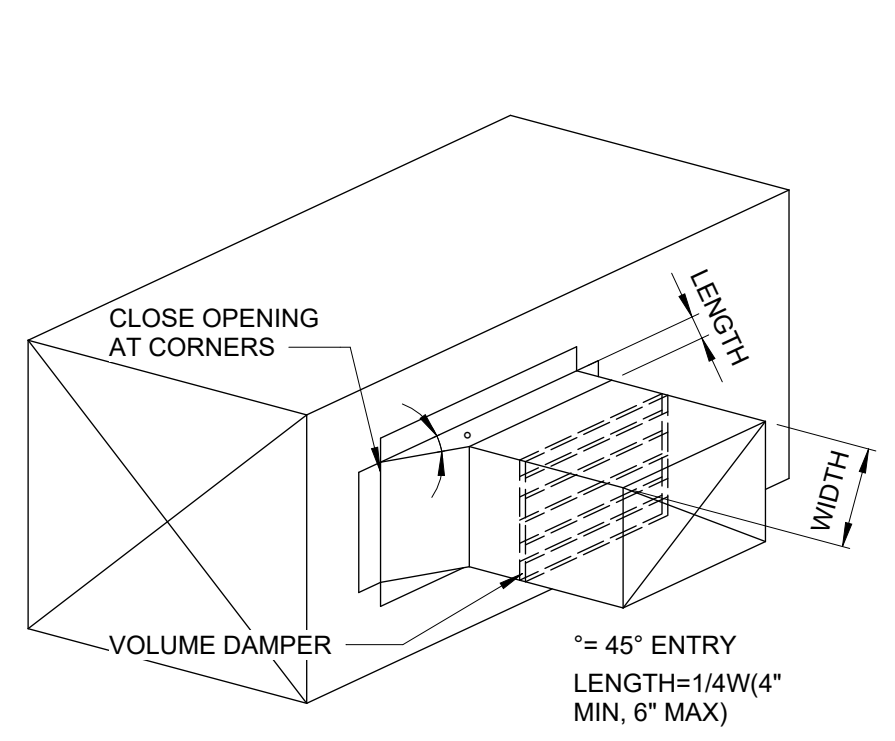

ACCOUNTABLE MANAGER
JOSE NIEVES

PORTFOLIO MANAGER
MARK DELBALZO, P.E.

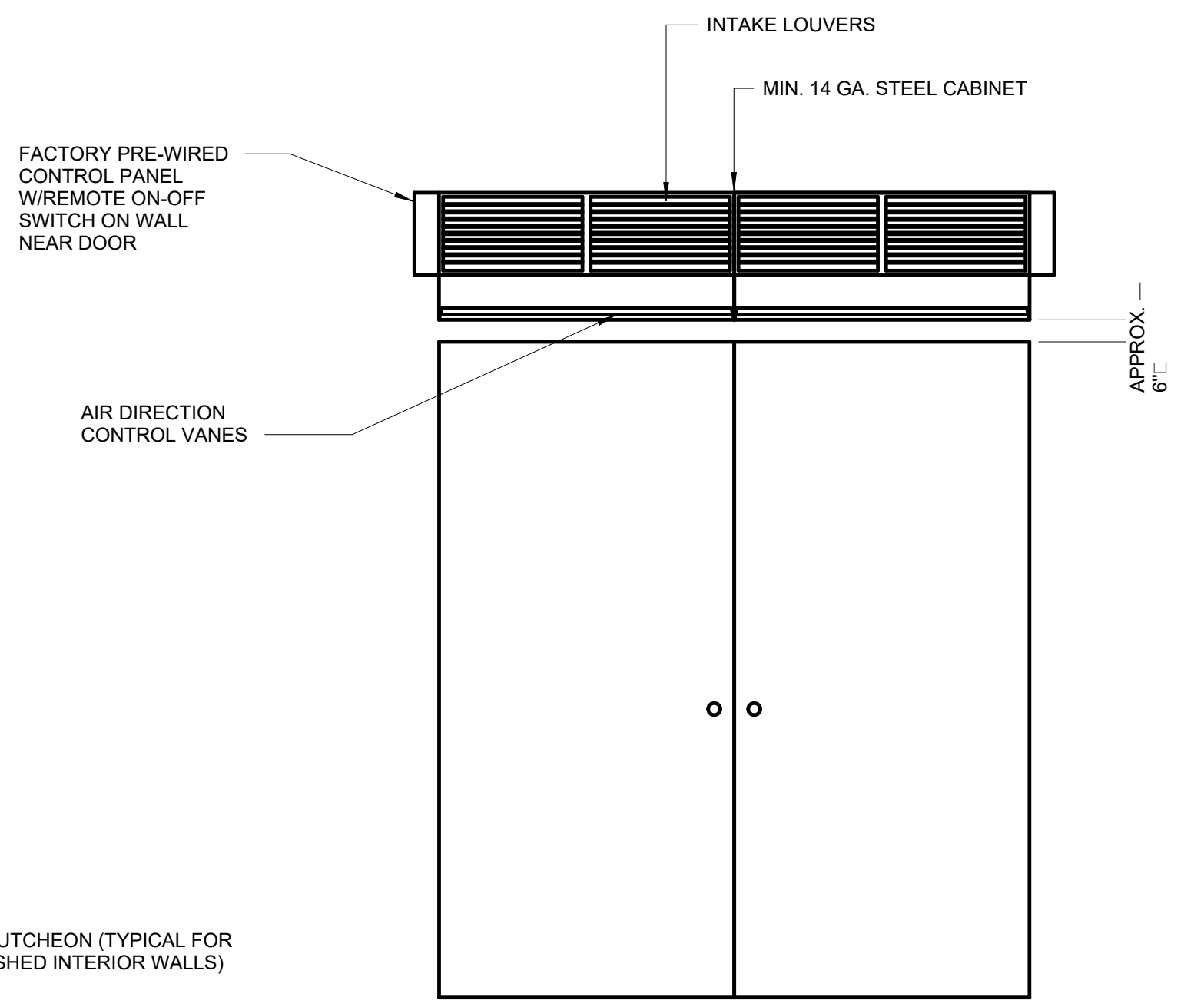
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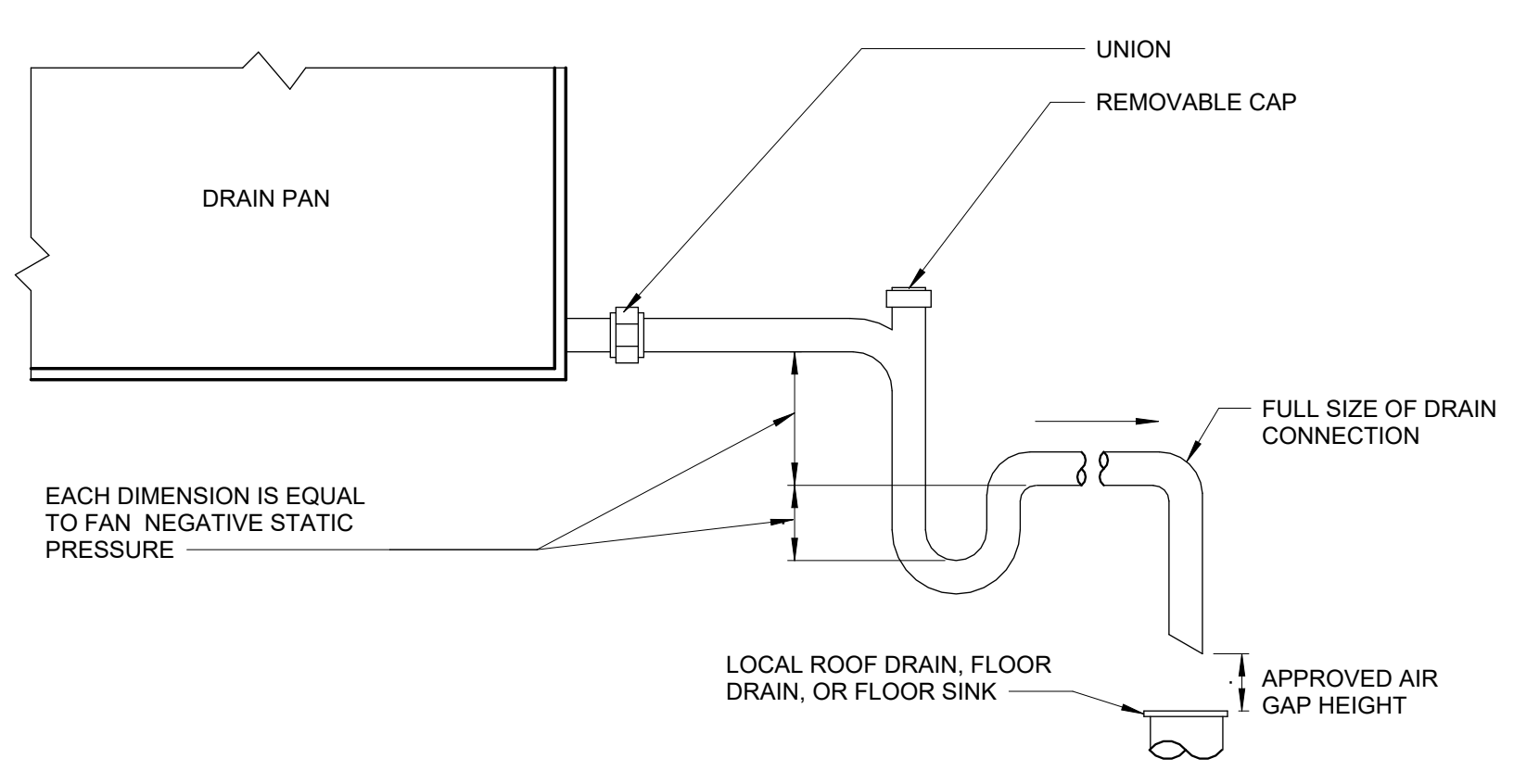
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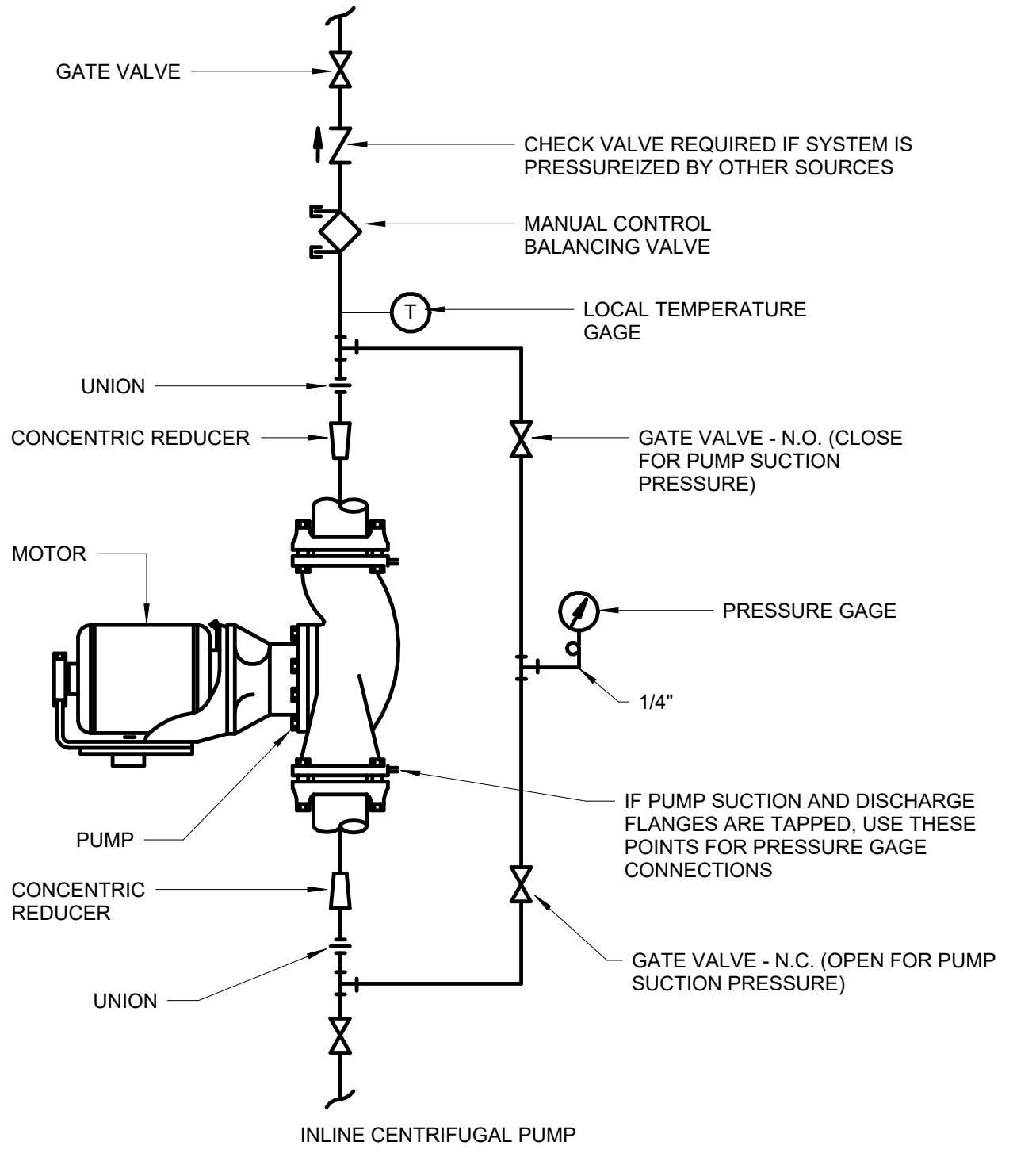
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1 DETAIL
 NTS



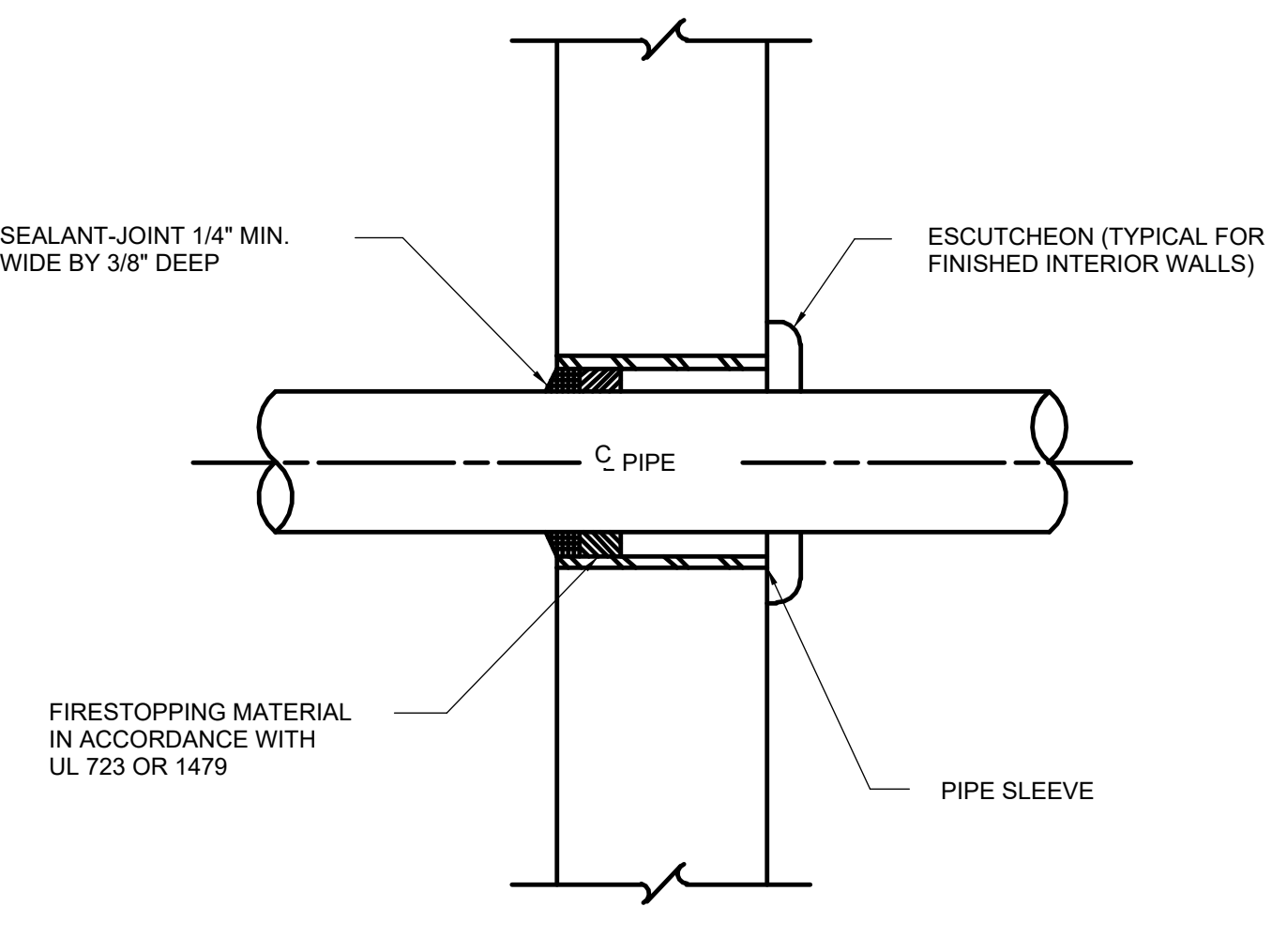
DOOR CURTAIN FAN
2 DETAIL
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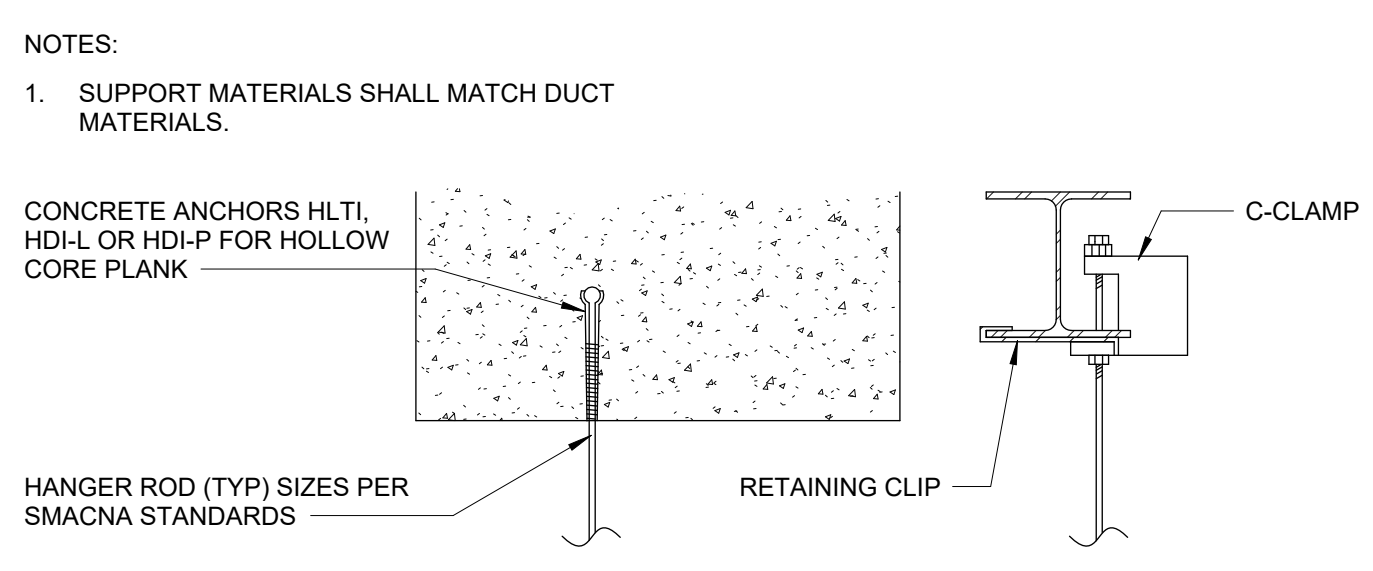
CONDENSATE DRAIN
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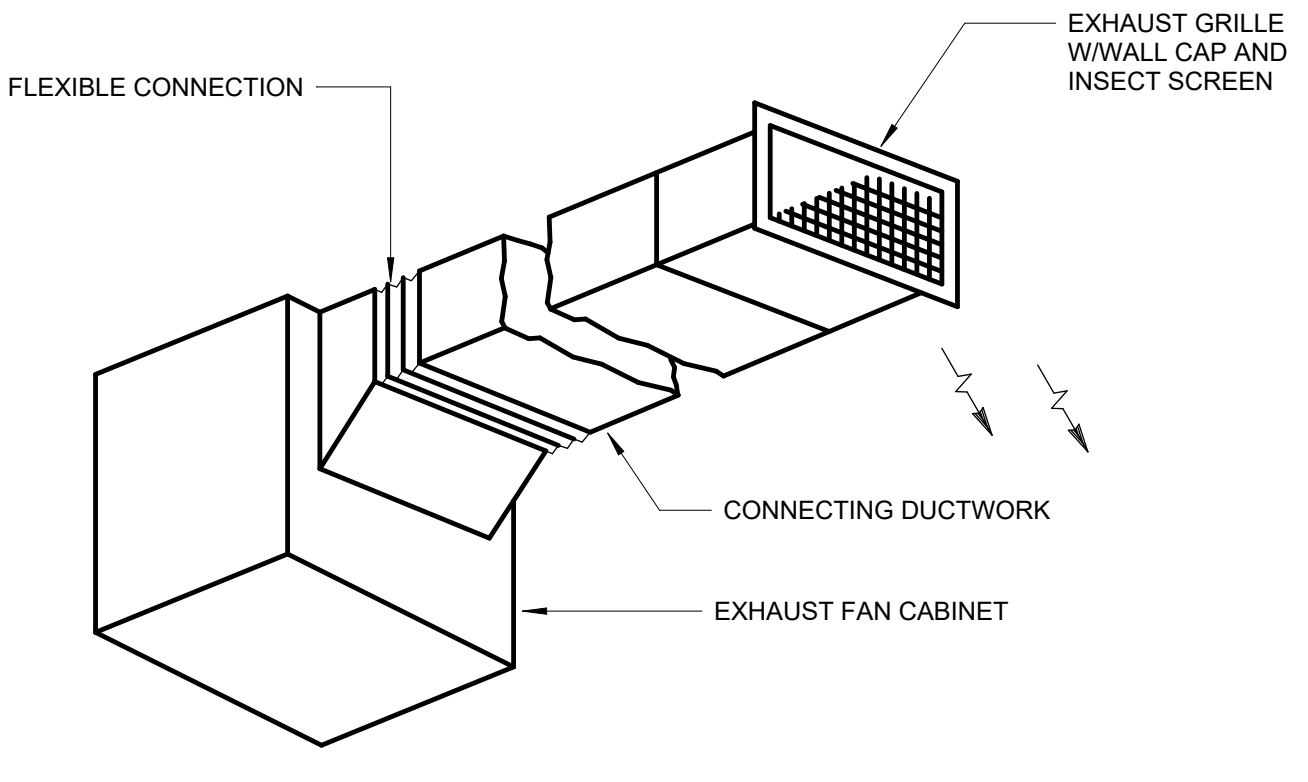
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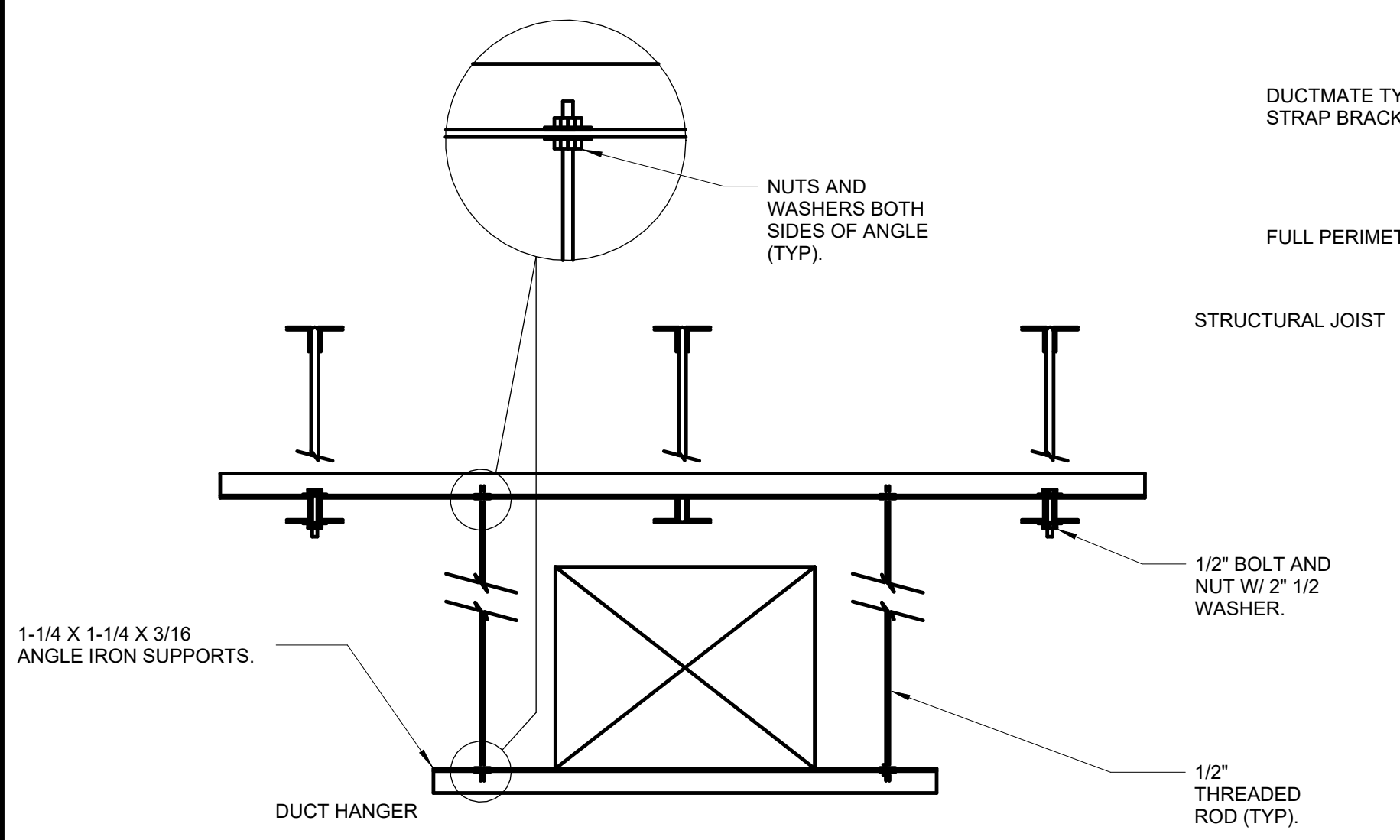
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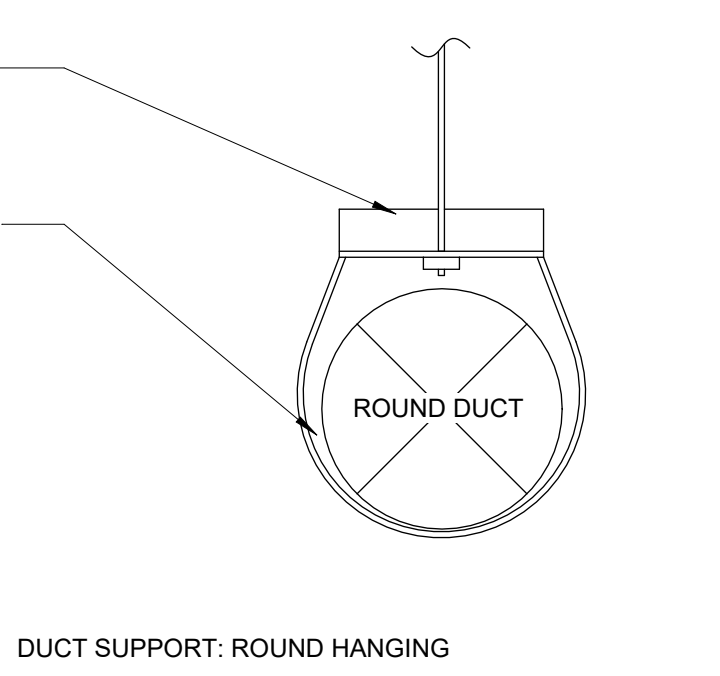
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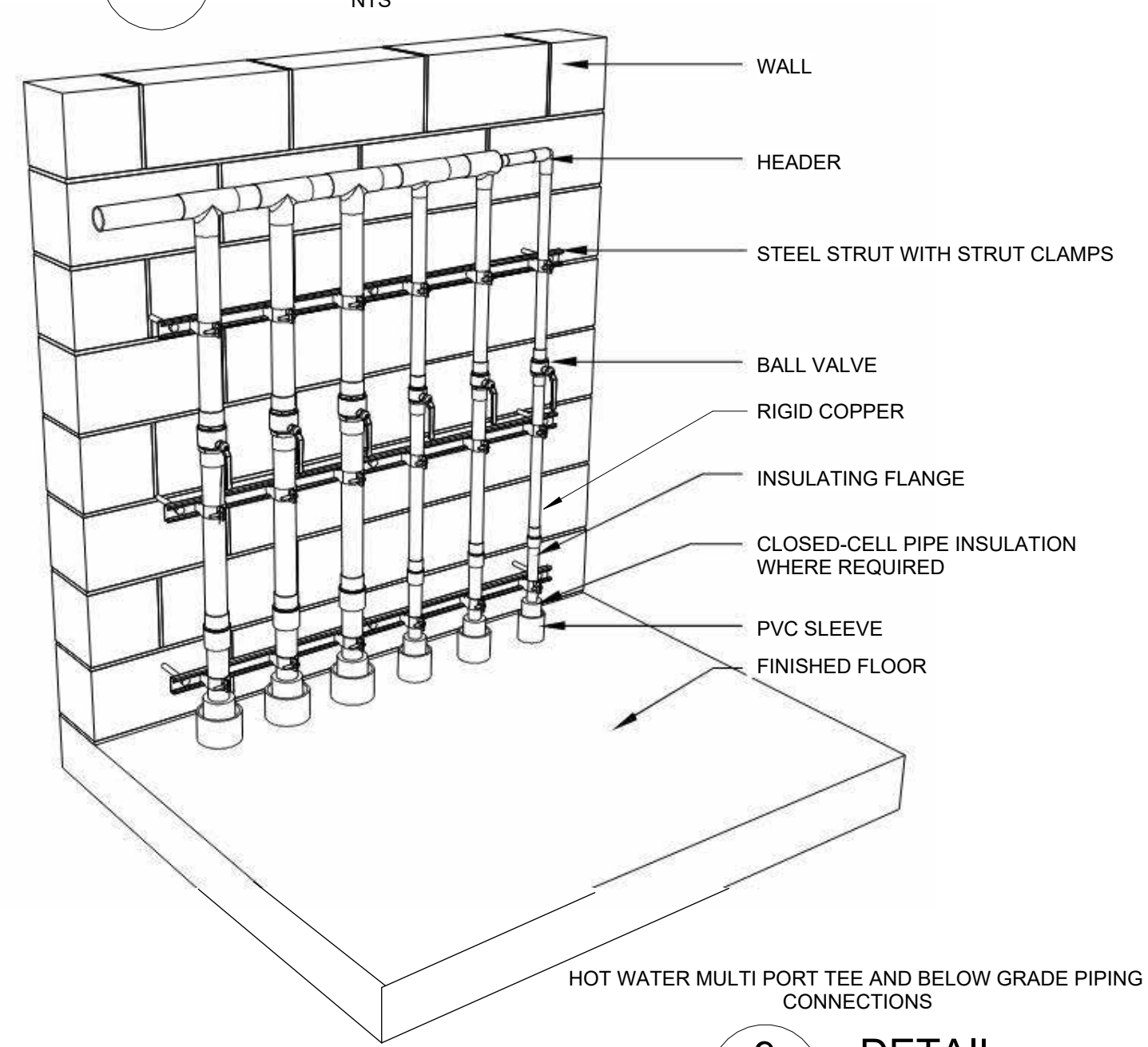
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7 DETAIL
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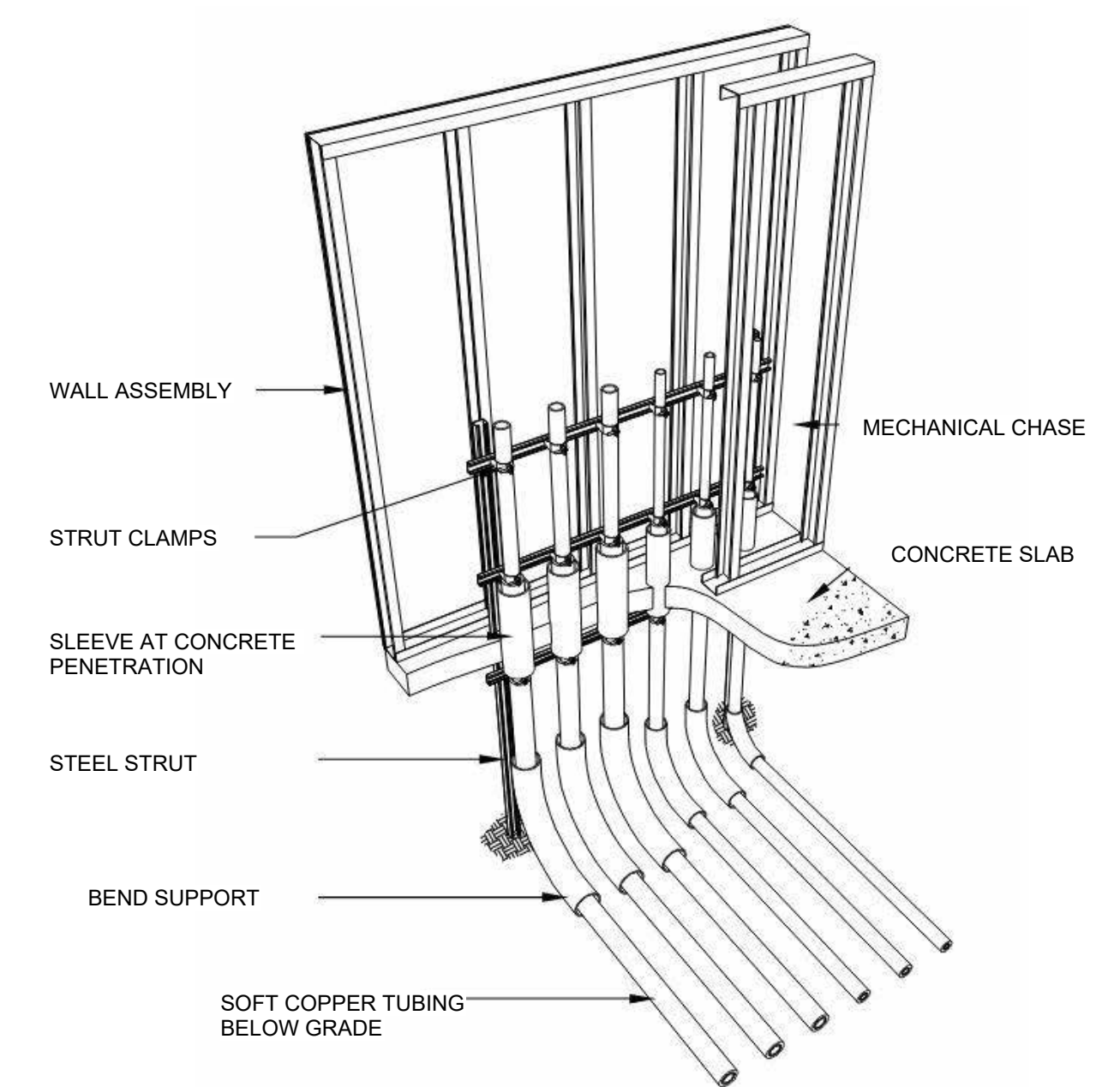
DUCT HANGER
8 DETAIL
 NTS



DUCT SUPPORT: ROUND HANGING
6 DETAIL
 NTS



HOT WATER MULTI PORT TEE AND BELOW GRADE PIPING CONNECTIONS
9 DETAIL
 NTS



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R. CHIN

DRAWN BY:
R. CHIN

CHECKED BY:
N. BARTLEY

DESIGN LEAD:
EDWARD BARBOE, P.E.

Hazen



ACCOUNTABLE MANAGER
JOSE NIEVES

PORTFOLIO MANAGER
MARK DELBALZO, P.E.

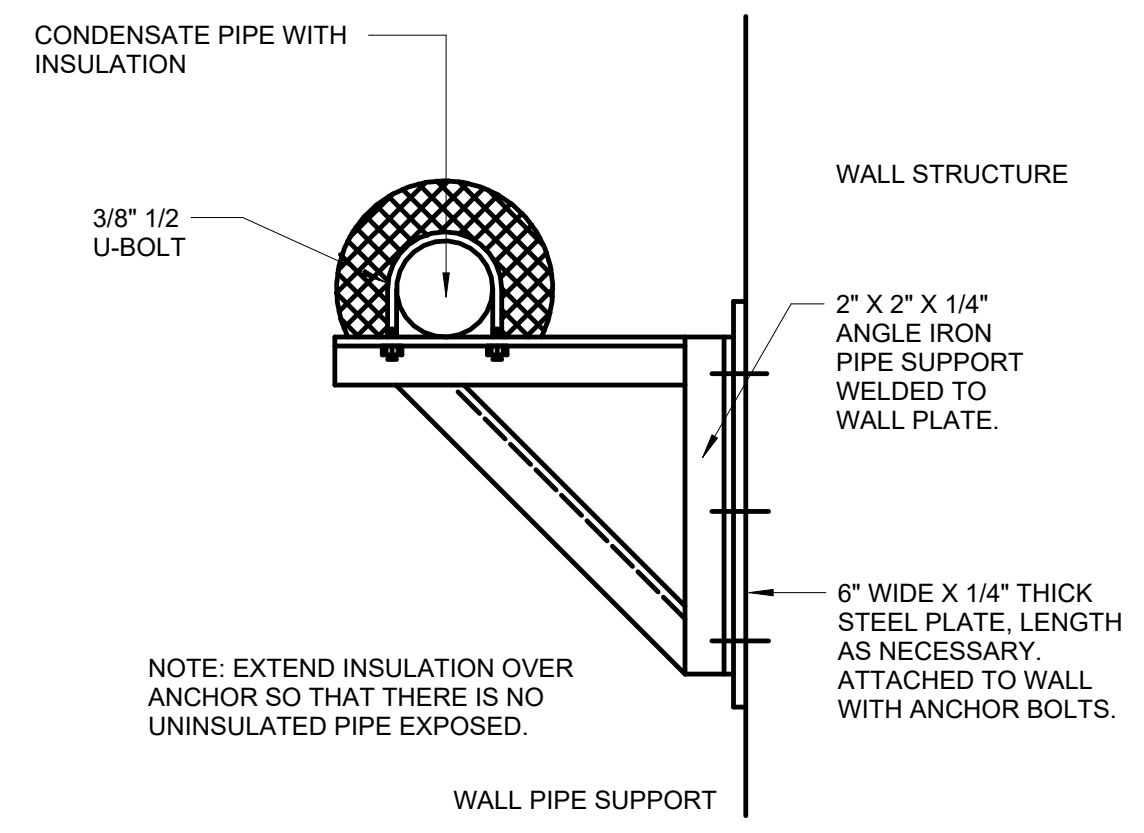
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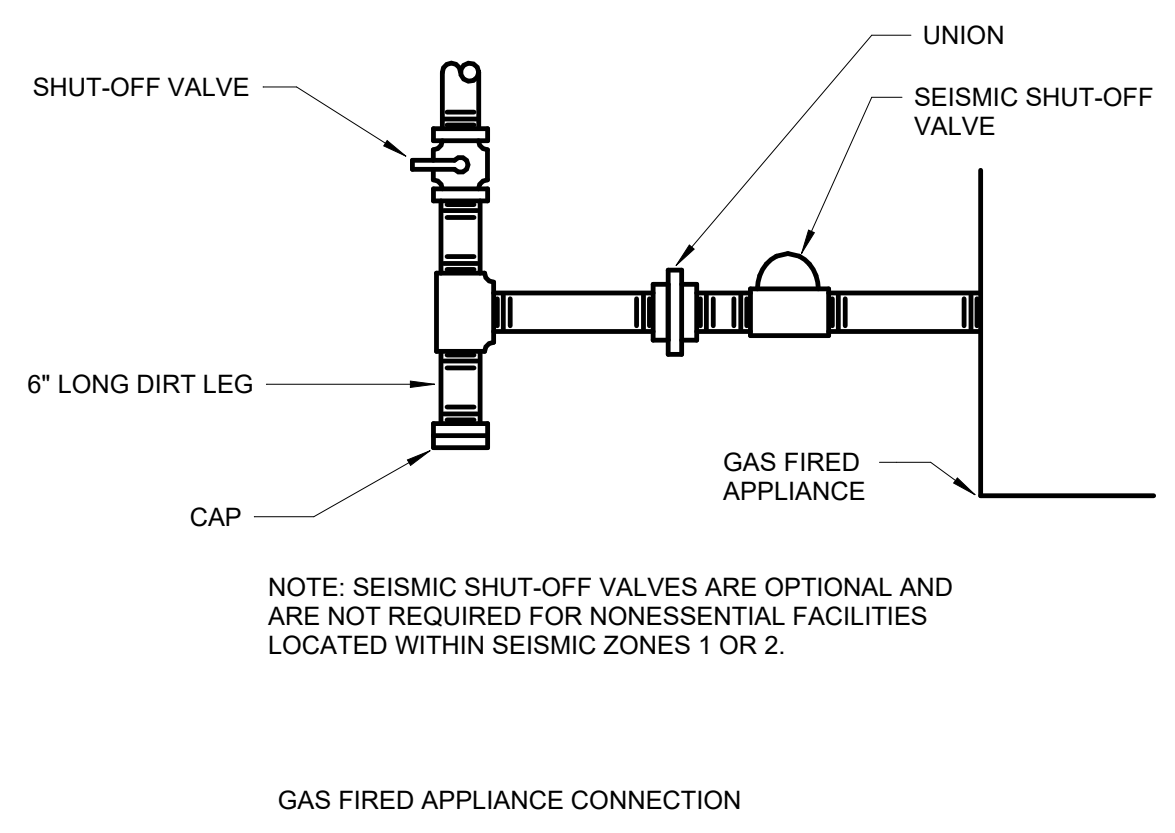
WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING
 MOUNT PLEASANT, NEW YORK
 HVAC
 DETAILS SHEET NO. 1

DATE: JANUARY 2023
 SCALE:
 SHEET NO:
11 OF No. 12
 DRAWING NO.
H1-300

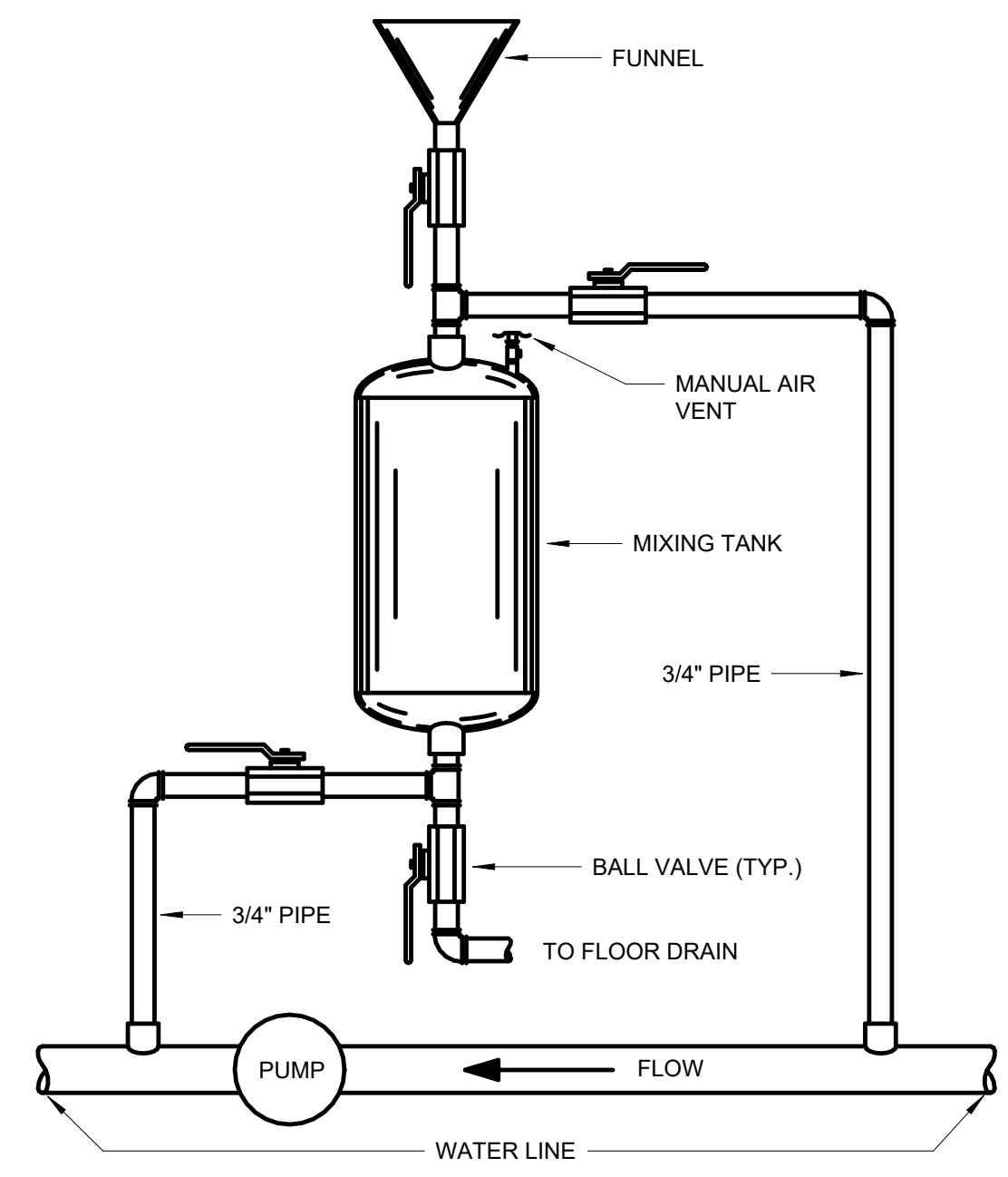
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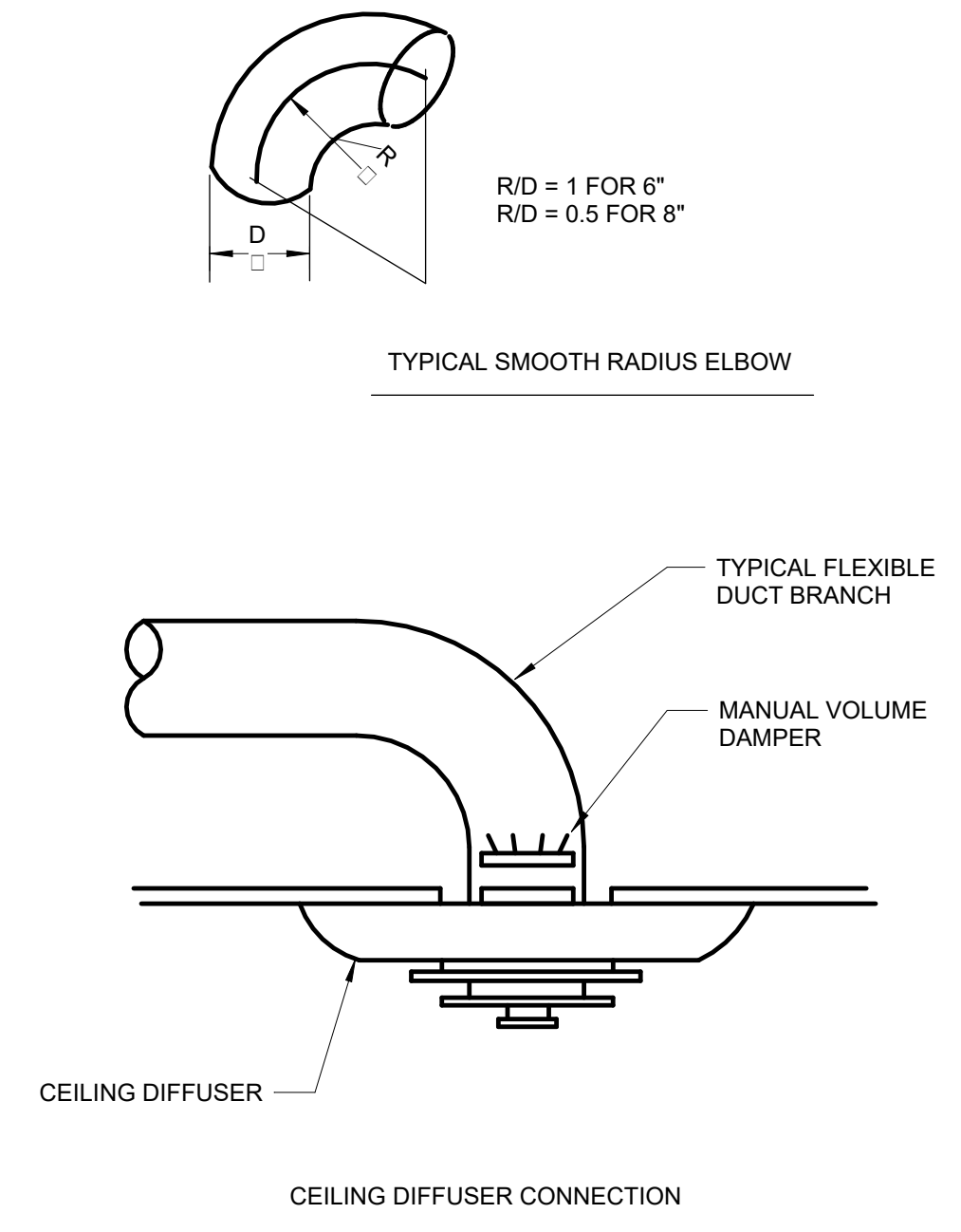
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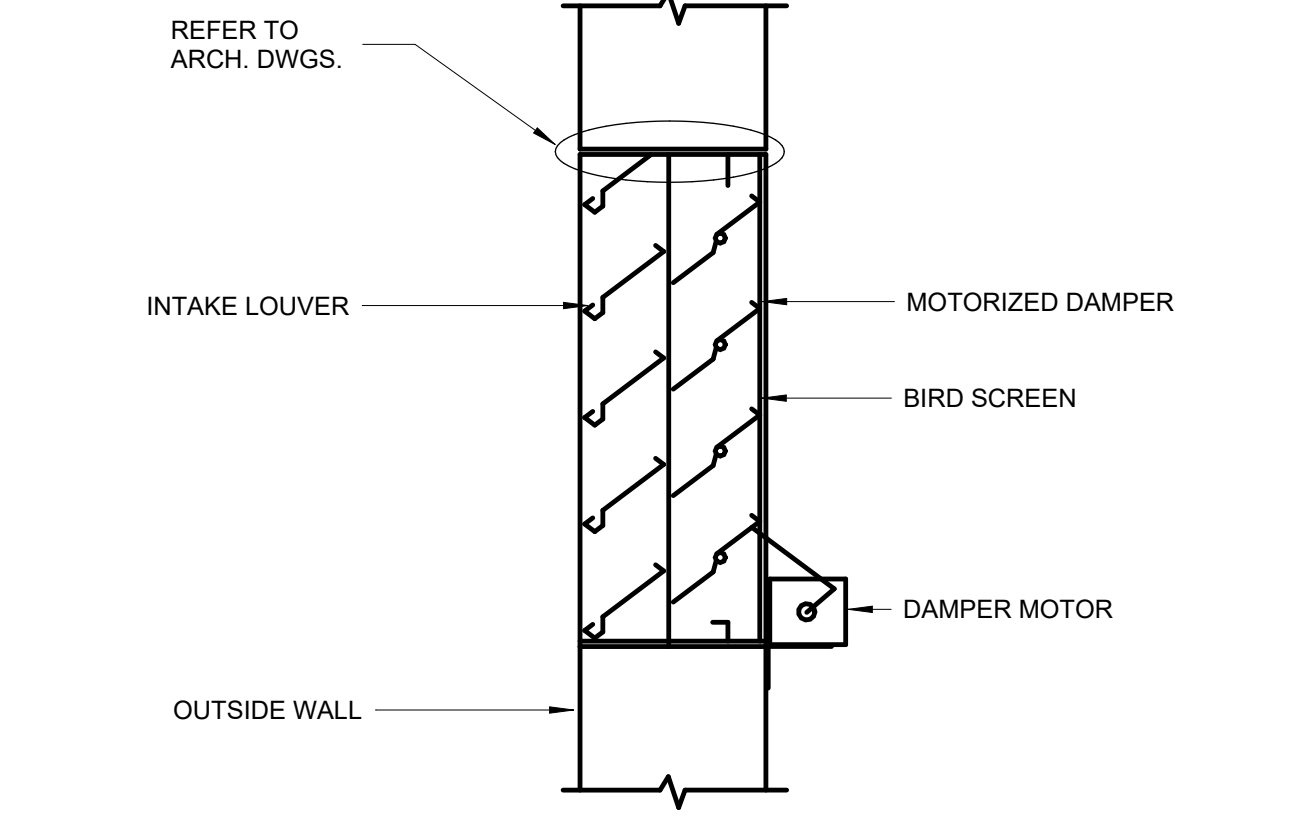
11 DETAIL
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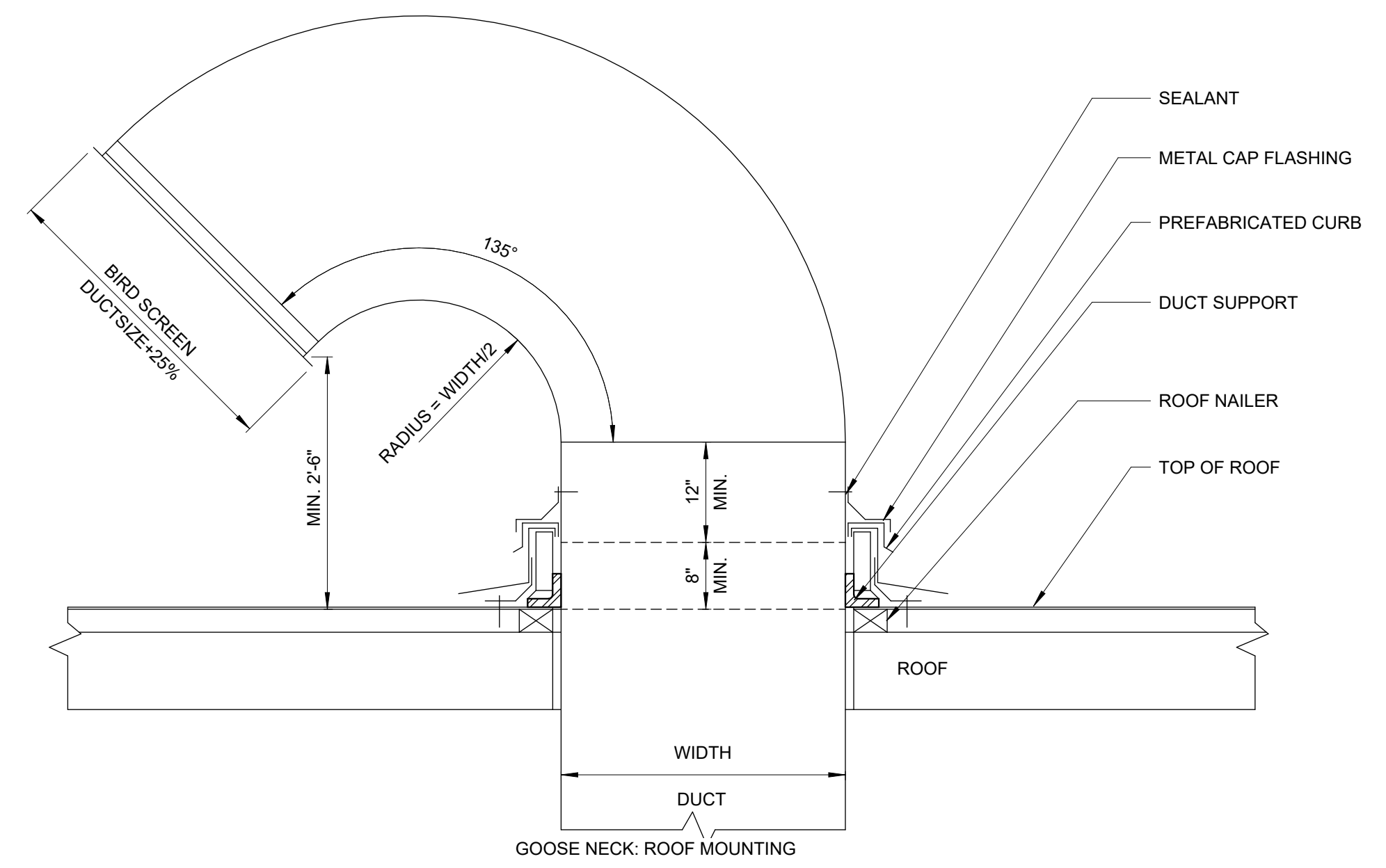
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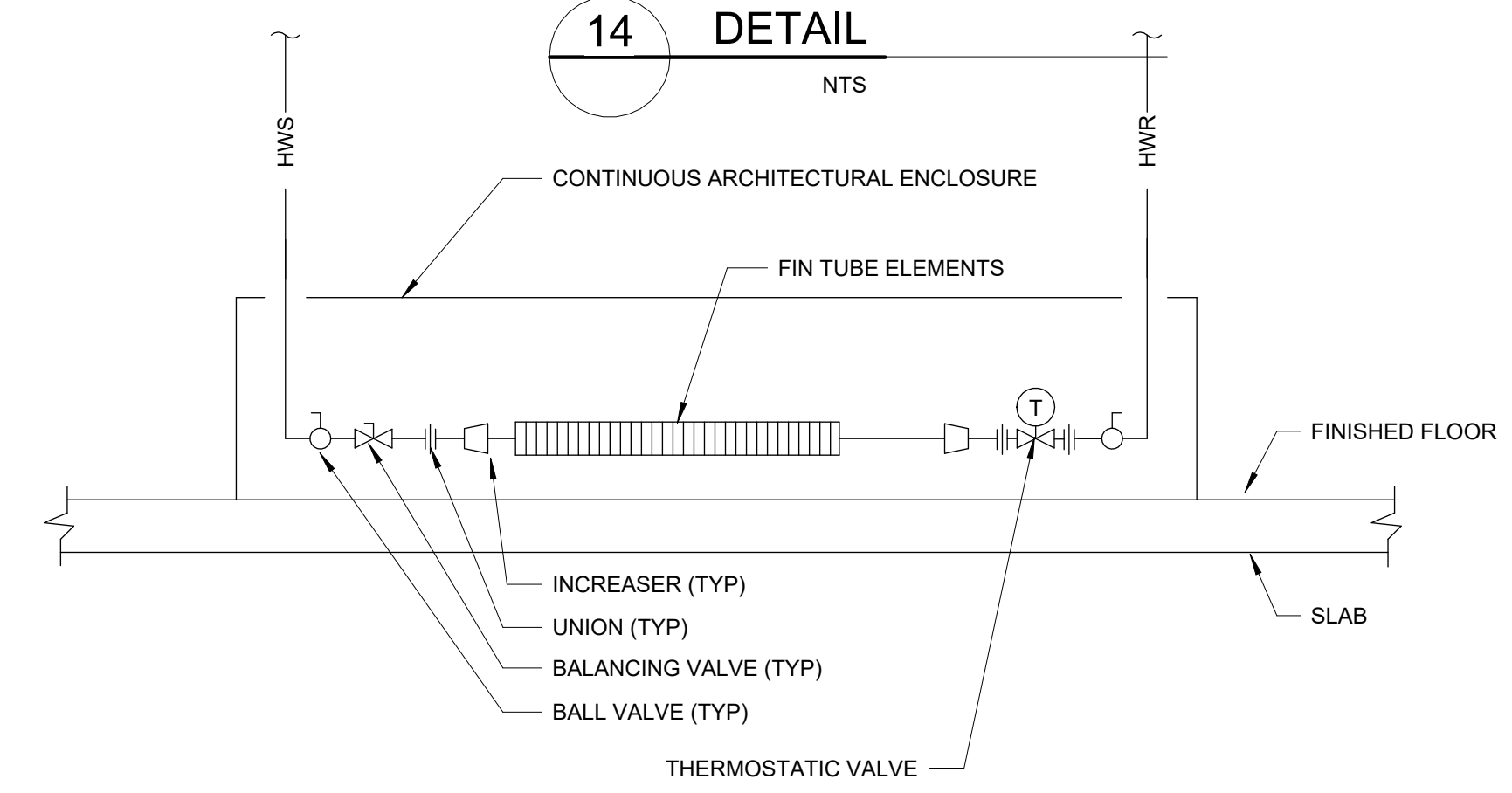
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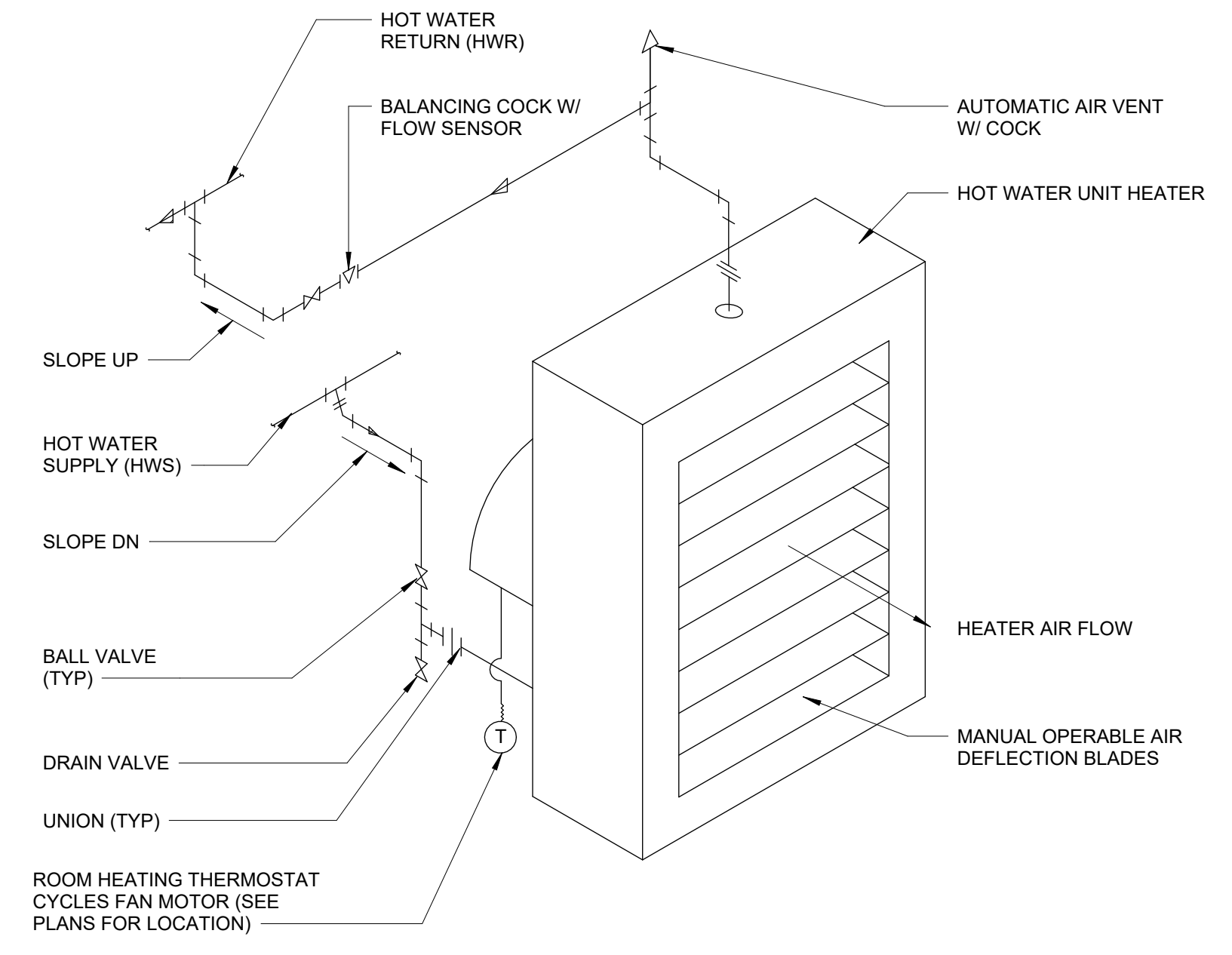
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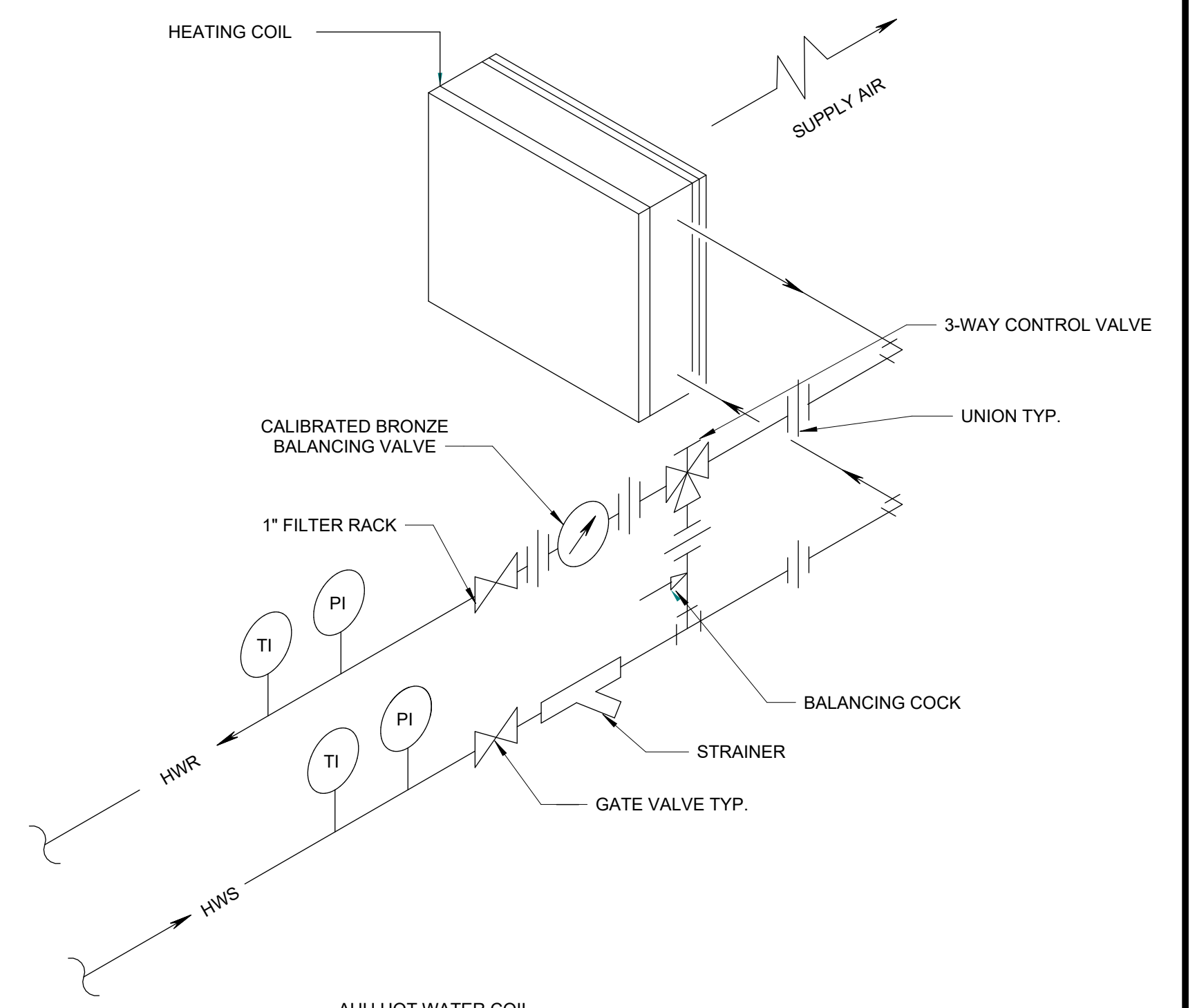
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16 DETAIL
NTS



17 DETAIL
NTS



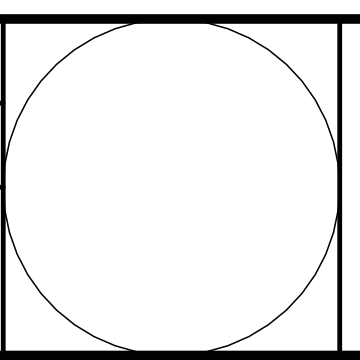
18 DETAIL
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NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT AND ENCLOSURE DETAIL

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CHECKED BY: N. BARTLEY	DESIGN LEAD: EDWARD BARBOE, P.E.



ACCOUNTABLE MANAGER JOSE NIEVES
PORTFOLIO MANAGER MARK DELBALZO, P.E.

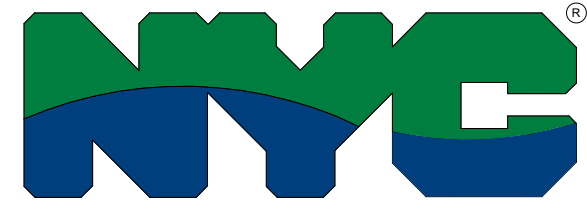
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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK HVAC DETAILS SHEET NO. 2	DATE: JANUARY 2023 SCALE: SHEET NO: 12 OF No. 12 DRAWING NO. H1-301
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**NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY
DIVISION OF INFRASTRUCTURE DESIGN & CONSTRUCTION**

**CONTRACT NO. CRO-557P
TOWN OF MOUNT PLEASANT, NY**

**WATERFOWL
MANAGEMENT
PROGRAM BUILDING
AND PAVING**

**CONFORMED
JULY 2023**



KEY PLAN



LOCATION PLAN

CONFORMED SET
7/21/2023
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TODD WEST, P. E.
DIRECTOR - PLANNING
BUREAU OF WATER SUPPLY

PAUL V. RUSH, P.E.
DEPUTY COMMISSIONER
BUREAU OF WATER SUPPLY

ROHIT T. AGGARWALA
COMMISSIONER
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING AT KENSICO CAMPUS MOUNT PLEASANT, NY

SHEET NO.	DRAWING NO.	TITLE
<u>GENERAL</u>		
1	G1-000	COVER PAGE
2	G1-001	SHEET INDEX
<u>PLUMBING</u>		
3	P0-001	LEGEND, ABBREVIATIONS & NOTES
4	P0-002	SCHEDULES
5	P1-100	FIRST LEVEL FLOOR PLAN (EL 364.33) - DOMESTIC WATER PIPING
6	P1-101	FIRST LEVEL FLOOR PLAN (EL 364.33) - SANITARY PIPING
7	P1-200	RISER DIAGRAMS
8	P1-300	DETAILS SHEET NO. 1

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK	DATE: JANUARY 2021
GENERAL SHEET INDEX	SCALE: SHEET NO: 2 OF No. 8
	DRAWING NO. G1-001

	DESIGNED BY: M. LOPEZ	DRAWN BY: M. LOPEZ		ACCOUNTABLE MANAGER JOSE NIEVES	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION. 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION. 7209.2.*	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE, SUITE 270 VALHALLA, NEW YORK 10595-1336 www.nyc.gov/dep	WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK GENERAL SHEET INDEX	
	CHECKED BY: E. BARBOE, P.E.	DESIGN LEAD: EDWARD BARBOE, P.E.		PORTFOLIO MANAGER MARK DELBALZO, P.E.				
A	7/23	CONFORMED	CR					
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D					

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ABBREVIATIONS

AC	ACETYLENE GAS	SAN	SANITARY
AD	AREA DRAIN	SCH	SCHEDULE
AR	ARGON GAS	SD	STORM DRAIN
AFF	ABOVE FINISHED FLOOR	SF	SQUARE FOOT
AV	ACID VENT	SPD	SUMP PUMP DISCHARGE
AW	ACID WASTE	SPW	STEAM PRESSURE WASHER
BFG	BELOW FINISHED GRADE	SS	SANITARY SEWER
BFP	BACKFLOW PREVENTER	TYP	TYPICAL
BFV	BUTTERFLY VALVE	TW	TEMPERED WATER
BLDG	BUILDING	TWS	TEMPERED WATER SUPPLY
CA	COMPRESSED AIR	TWR	TEMPERED WATER RETURN
CC	CENTER TO CENTER	UON	UNLESS OTHERWISE NOTED
CFM	CUBIC FEET PER MINUTE	UP	UP TO FLOOR ABOVE
CI	CAST IRON	UL	UNDERWRITERS LABORATORY
CO	CLEAN OUT DECK PLATE	UR	URINAL
COL	COLUMN	V	VENT
CPLG	COUPLING	VA	VALVE
CF	CUBIC FEET	VAC	VACUUM
CLG	CEILING	VB	VACUUM BREAKER
CU	COPPER	VIV	VALVE IN VERTICAL
CV	CHECK VALVE	VTR	VENT THROUGH ROOF
CW	COLD WATER	W	WASTE
DCH	DRY CREEK HEADWORKS	WC1	WATER CLOSET TYPE 1
DFU	DRAINAGE FIXTURE UNIT	WCO	WALL CLEAN OUT
DI	DUCTILE IRON	WFD	WATER FLOW DETECTOR
DIA	DIAMETER	WFU	WATER FIXTURE UNIT
DN	DOWN TO FLOOR BELOW	WH	WALL HYDRANT
DR	DRAIN	WHA	WATER HAMMER ARRESTER
DWV	DRAIN, WASTE AND VENT	WFS	WATER FLOW SWITCH
DROP	DROP IN EXISTING STORY	WT	WEIGHT
EL	ELEVATION		
ESE	EMERGENCY SHOWER AND EYEWASH		
EW	EMERGENCY EYEWASH		
FAI	FRESH AIR INLET		
FC	FLOOR CLEAN OUT		
FD1	FLOOR DRAIN TYPE 1		
FLR	FLOOR		
FT	FEET		
FU	FIXTURE UNIT		
FIN	FINISHED		
FLG	FLANGE		
FM	FACTORY MUTUAL		
FS	FLOW SWITCH		
GPM	GALLONS PER MINUTE		
GAL	GALLON		
GC	GENERAL CONTRACTOR		
GCO	GRADE CLEAN OUT		
HB	HOSE BIBB		
HR	HOSE REEL		
HW	HOT WATER		
HWC	HOT WATER RECIRCULATION		
HWH	HOT WATER HEATER		
HPWW	HIGH PRESSURE WASH WATER		
GV	GATE VALVE		
HP	HORSEPOWER		
IE	INVERT ELEVATION		
IN	INCH		
IW	INDIRECT WASTE		
IRI	INDUSTRIAL RISK INSURANCE		
JST	JOIST		
LAV1	LAVATORY TYPE 1		
LB	POUND		
MAX	MAXIMUM		
MIN	MINIMUM		
MR	MOP RECEPTOR		
MSB	MOP SERVICE BASIN		
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
NG	NATURAL GAS		
NO	NITROUS OXIDE GAS		
NPW	NON POTABLE WATER		
NRS	NON RISING STEM		
NTS	NOT TO SCALE		
OD	OUTSIDE DIAMETER		
OSY	OUTSIDE SCREW AND YOKE		
PIV	POST INDICATOR VALVE		
PSI	POUNDS PER SQUARE INCH		
PSIG	POUNDS PER SQUARE INCH GAGE		
PVC	POLY VINYL CHLORIDE		
PW	POTABLE WATER		
RD1	ROOF DRAIN TYPE 1		
RISE	RISE IN EXISTING STORY		
RPM	REVOLUTIONS PER MINUTE		

LINETYPES

	PIPE ABOVE GRADE OR FLOOR
	PIPE BELOW GRADE OR FLOOR
	VENT
	POTABLE/COLD WATER
	HOT WATER RE-CIRCULATION
	NATURAL GAS

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS AND SPECIFICATIONS)

- THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE LATEST INTERNATIONAL BUILDING CODE
- THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH OTHER TRADES AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, AND INSPECTIONS.
- CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUT DOWN WITH THE OWNER 48 HOURS IN ADVANCE.
- ALL PLUMBING AND PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY CODE REQUIREMENTS AND PER MANUFACTURERS RECOMMENDATIONS.
- ALL PLUMBING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. CONTRACTOR SHALL MAINTAIN ON-SITE THE WRITTEN INSTRUCTIONS FOR THE INSPECTOR'S REVIEW.
- ALL PIPING PENETRATIONS THROUGH WALLS, AND FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALL OR FLOOR.
- THE PLUMBING SYSTEM SHALL BE TESTED AS REQUIRED BY CODE OR BY THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTOR.
- THE ENTIRE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE LOCAL HEALTH DEPARTMENT REQUIREMENTS AND AS SPECIFIED.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS.
- SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
- CONTRACTOR SHALL PROVIDE AND INSTALL WHEN REQUIRED BY CODE AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES OR APPARATUS.
- SEE SANITARY WASTE AND VENT RISER SCHEMATIC DIAGRAM FOR WASTE AND VENT PIPE SIZES.
- SEE DOMESTIC WATER RISER SCHEMATIC DIAGRAM FOR DOMESTIC WATER PIPE SIZES.
- CONTRACTOR SHALL PROVIDE WATER STOPS AT EACH FIXTURE.
- SIZE AND LOCATION OF CLEANOUTS (AS WELL AS ALL PLUMBING WORK) SHALL BE IN ACCORDANCE WITH THE PLUMBING CODE.
- PATCH ALL SURFACES DISTURBED DURING THE CONSTRUCTION OF PLUMBING COMPONENTS TO MATCH ADJACENT SURFACES. WORK SHALL BE DONE ONLY BY WORKMAN SKILLED IN THE TRADE INVOLVED AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- ALL CONCEALED VALVES, WATER HAMMER ARRESTORS, CLEANOUTS, ETC., CONCEALED IN WALLS SHALL BE PROVIDED WITH AN ACCESS PANEL SUCH AS ZURN MODEL ZN-1460 OR APPROVED EQUAL.
- ALL CONCEALED PIPING IN CHASE AREAS SHALL BE SUPPORTED WITH A PIPING SUPPORT SYSTEM SUCH AS SUMNER POSIFIX, STAKFIX AND CHANNEL OR APPROVED EQUAL.
- PLUMBING WATER SUPPLY PIPING SHALL BE COPPER THROUGHOUT.
- DO NOT ROUTE PLUMBING PIPE OVER OR IN FRONT OF EQUIPMENT SUCH AS, ELECTRICAL PANELS, BREAKERS, ETC.
- MINIMUM SLOPE OF DRAIN PIPES SHALL BE 1/4" PER FOOT FOR PIPE SIZES EQUAL TO OR LESS THAN 2-1/2" AND 1/8" PER FOOT FOR 3" AND LARGER.
- PIPE HANGERS SHALL BE EPOXY COATED OR HOT DIPPED GALVANIZED.
- ALL HOSE BIBBS SHALL BE PROVIDED WITH VACUUM BREAKER BFP.
- THE SYMBOLS AND ABBREVIATIONS LIST ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE INTENDED FOR GENERAL USE ON ALL PROJECTS. THEREFORE NOT ALL THE SYMBOLS AND ABBREVIATIONS CONTAINED IN THIS LIST ARE NECESSARILY USED ON THIS PARTICULAR PROJECT AND SHOULD BE USED FOR CLARIFICATION ONLY.

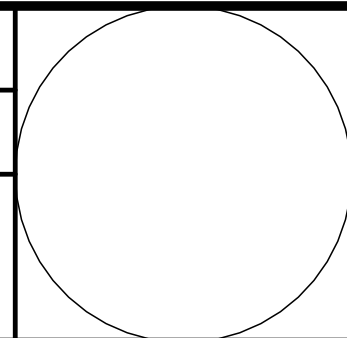
SYMBOLS

	GATE VALVE
	GLOBE VALVE
	GAS COCK OR PLUG VALVE
	BUTTERFLY VALE
	CHECK VALVE
	BACKFLOW PREVENTER DOUBLE CHECK VALVE
	BACKFLOW PREVENTER REDUCED PRESSURE ZONE (RPZ)
	METER
	PIPE CAP
	AUTOMATIC CONTROL VALVE 2-WAY
	AUTOMATIC CONTROL VALVE 3-WAY
	BALL VALVE
	PIPING ELBOW, 90 TURNED DOWN
	PIPING ELBOW, 90 TURNED UP
	PIPING TEE, OUTLET TURNED DOWN
	PIPING TEE, OUTLET TURNED UP
	PRESSURE GAGE WITH SHUTOFF COCK (BALL VALVE)
	THERMOMETER
	FLOOR OR ROOF DRAIN
	P-TRAP
	FLOOR CLEAN OUT
	CIRCULATING PUMP
	STRAINER WYE TYPE WITH BALL VALVE BLOW OFF

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PORTFOLIO MANAGER MARK DELBALZO, P.E.

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WATERFOWL MANAGEMENT PROGRAM BUILDING
AND PAVING
MOUNT PLEASANT, NEW YORK
PLUMBING
LEGEND, ABBREVIATIONS & NOTES

DATE: JANUARY 2023
SCALE:
SHEET NO: 3 OF No. 8
DRAWING NO. P0-001

PLUMBING - WATER HEATER SCHEDULE									
TAG	LOCATION	MANUFACTURER	MODEL	CAPACITY (GAL)	INPUT (BTUH)	VOLTS	HERTZ	WEIGHT (LBS)	NOTES
WH-1	MECHANICAL ROOM	AO SMITH	CYCLONE HE BTX-80	50	76000	120 V	60	225	1.2

- NOTES:
 1. SEE SPEC 15410 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. PROVIDE WITH GALVANIZED STEEL DRAIN PAN

PLUMBING - STEAM PRESSURE WASHER												
TAG	LOCATION	MANUFACTURER	MODEL	FLOW (GPM)	PRESSURE (PSI)	INPUT (BTUH)	POWER HP	VOLTS	PHASE	HERTZ	WEIGHT (LBS)	NOTES
SPW-1	BOAT WASH	HYDROTEK	HN25004E4G	3.8	2500	440000	7.5	208 V	3	60	490	1.2


- NOTES:
 1. SEE SPEC 15410 FOR CONSTRUCTION AND ACCESSORY DETAILS
 2. PROVIDE WITH FUEL DIVERTOR, HOSE REEL, AND DOWNSTREAM SOAP

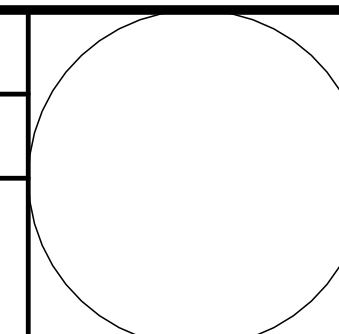
PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE	MANUFACTURER	MODEL	CW (IN)	HW (IN)	WASTE (IN)	VENT (IN)	ACCESSORIES	NOTES
ET-1	EXPANSION TANK	AMTROL	THERM X TROL	-	-	-	-	-	1
FD-1	FLOOR DRAIN	ZURN	Z450B	-	-	2	-	STRAINER, TRAP GUARD PRIMER	1
FD-2	FLOOR DRAIN	ZURN	Z566	-	-	3	-	SEDIMENT BUCKET, STRAINER, TRAP GUARD PRIMER	1
BFP	BACKFLOW PREVENTER	WATTS	LF909	2	-	-	-	AIR GAP	1
HB	HOSE BIBB	ZURN	Z1341XL	1/2	-	-	-	-	1
WC	FLUSH VALVE WATER CLOSET	KOHLER	K-4325	2	-	4	4	WATER CLOSET CARRIER (ZURN), FLUSH VALVE, WATER CLOSET SEAT	1
LAV	WALL HUNG LAVATORY	KOHLER	K-2035	2	1-3/4	-	-	FAUCET, FLEX TUBE RISER, ANGLE VALVE, GRID STRAINER DRAIN, P TRAP	1
SH	SHOWER HEAD	SYMMONS	3505-H321-V-CYL-B-TRM	2	2	-	-	-	1
WB	WASHER BOX	GUY GRAY	SSWB1	1/2	1/2	2	2	-	1
JC	JANITOR'S CLOSET	FIAT	MSB 24 X 24	2	-	-	-	FAUCET, MOP HANGER, BUMPER GUARDS	1
SS-1	SERVICE SINK	ELKAY	LR-24x18	1/2	1/2	-	-	FAUCET	1
SV	SHOWER VALVE & MIXING VALVE	SYMMONS	C96-500-B30-V	1/2	1/2	2	1 1/2	-	1
IM	ICE MAKER - REFRIGERATOR	GUY GRAY	MB1AB	1/2	-	-	-	-	1
TD	TRENCH DRAIN	ZBT	PD-2514AF	-	-	4	4	CATCH BASIN, GRATING	1
HWRP-1	RECIRCULATION PUMP	BELL AND GOSSETT	PD 40	-	2	-	-	-	1

- NOTES:
 1. SEE SPEC 15410 FOR CONSTRUCTION AND ACCESSORY DETAILS

NATURAL GAS DEMAND			
TAG	FIXTURE	INPUT (BTUH)	CONNECTION SIZE (IN)
WH-1	GAS FIRED WATER HEATER	76000	1/2
HWB-1	GAS FIRED BOILER	180000	3/4
POWER WASHER	BOAT POWER WASHER	440000	1
DRYER	DRYER	90000	1/2

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CHECKED BY: N. BARTLEY	DESIGN LEAD: EDWARD BARBOE, P.E.		
			
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ACCOUNTABLE MANAGER JOSE NIEVES
PORTFOLIO MANAGER MARK DELBALZO, P.E.

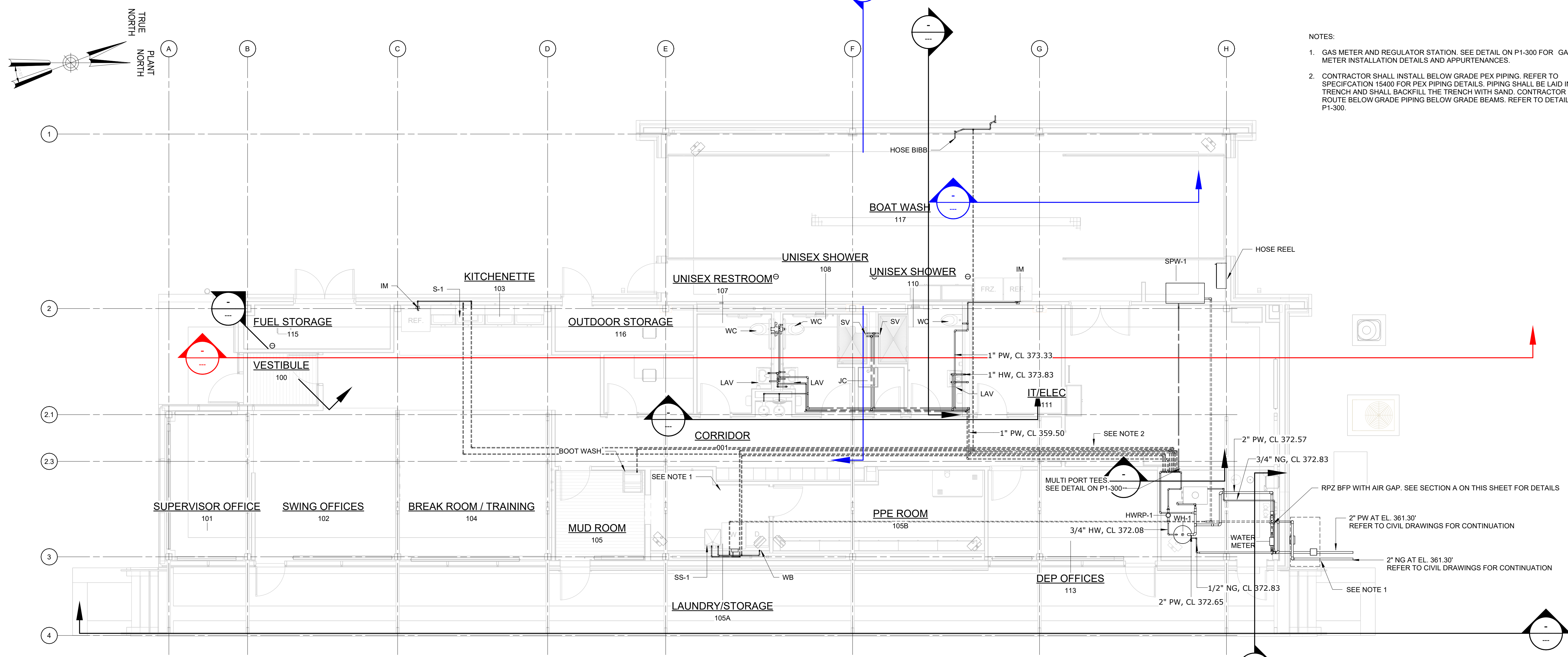
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WATERFOWL MANAGEMENT PROGRAM BUILDING
 AND PAVING
 MOUNT PLEASANT, NEW YORK
 PLUMBING
 SCHEDULES

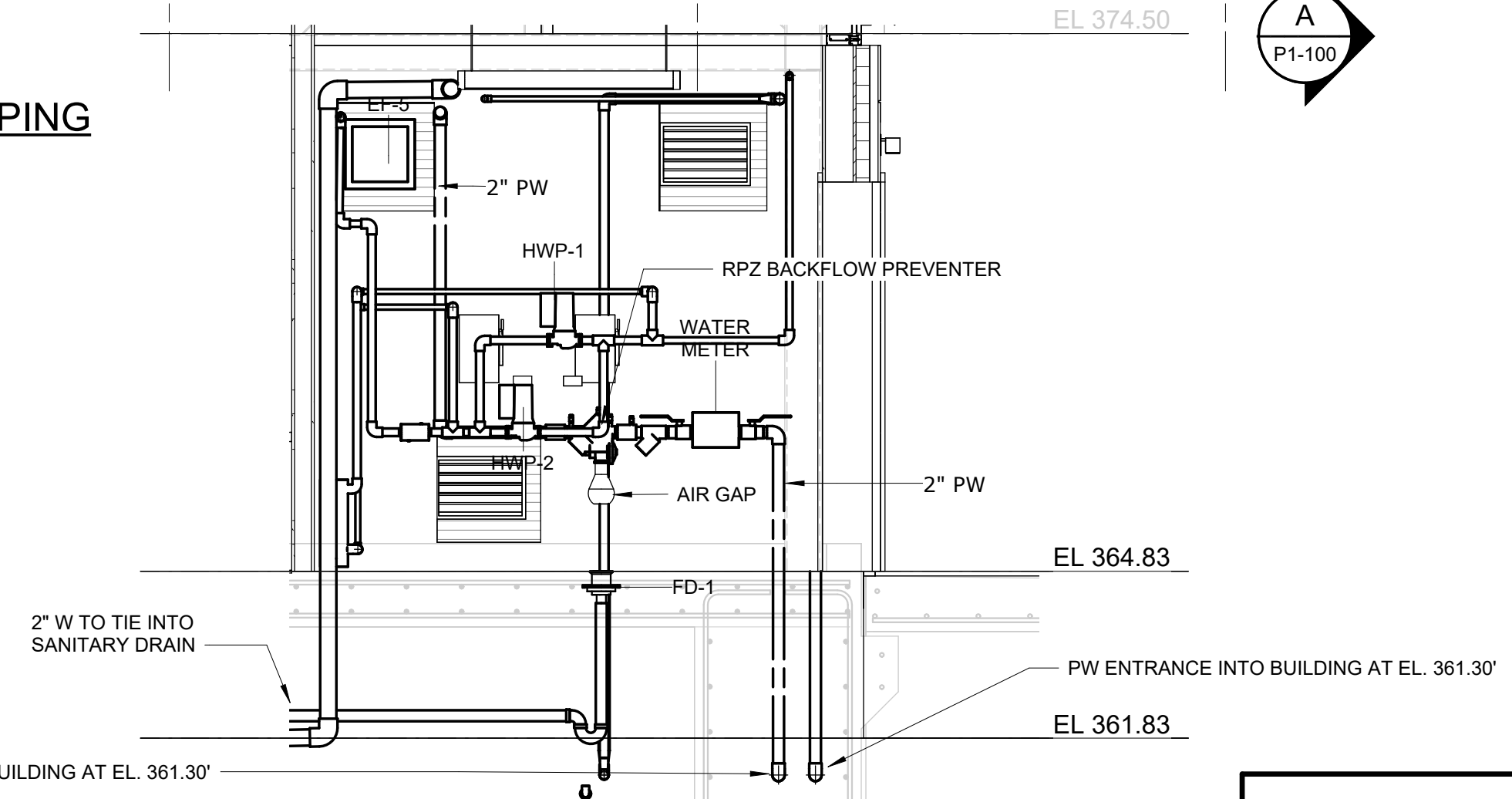
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SCALE:
SHEET NO: 4 OF No. 8
DRAWING NO. P0-002

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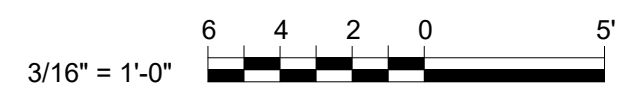


- NOTES:
1. GAS METER AND REGULATOR STATION. SEE DETAIL ON P1-300 FOR GAS METER INSTALLATION DETAILS AND APPURTENANCES.
 2. CONTRACTOR SHALL INSTALL BELOW GRADE PEX PIPING. REFER TO SPECIFICATION 15400 FOR PEX PIPING DETAILS. PIPING SHALL BE LAID IN A TRENCH AND SHALL BACKFILL THE TRENCH WITH SAND. CONTRACTOR SHALL ROUTE BELOW GRADE PIPING BELOW GRADE BEAMS. REFER TO DETAIL ON P1-300.

FIRST LEVEL FLOOR PLAN (EL. 364.33) - DOMESTIC WATER PIPING
3/16" = 1'-0"



A
P1-100 SCALE: 3/8" = 1'-0"



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK PLUMBING FIRST LEVEL FLOOR PLAN (EL. 364.33) - DOMESTIC WATER PIPING	DATE: JANUARY 2023 SCALE: SHEET NO: 5 OF No. 8 DRAWING NO. P1-100

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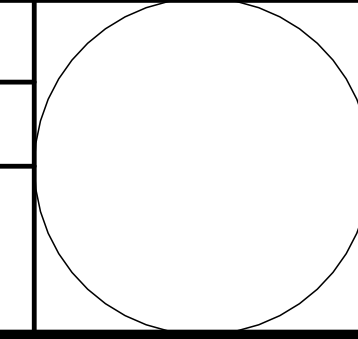
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R. CHIN

DRAWN BY:
R. CHIN

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ACCOUNTABLE MANAGER
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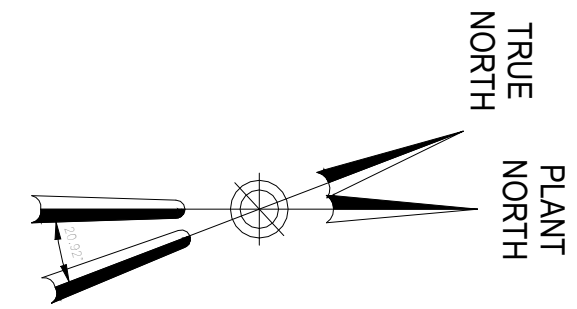
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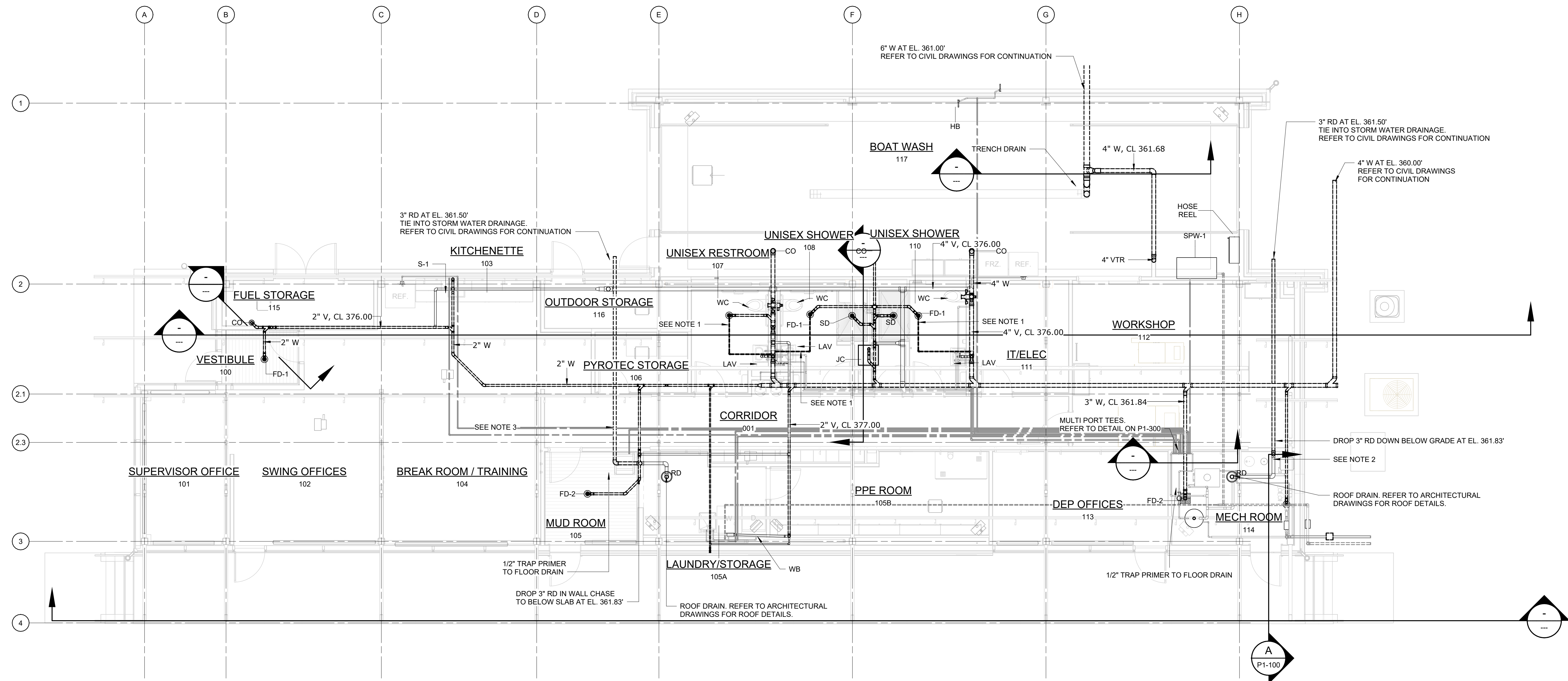
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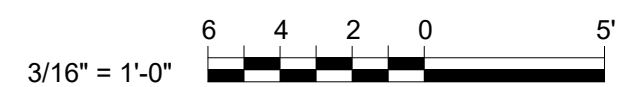


NOTES:

- 1/2" TRAP PRIMER FROM LAVATORY P TRAP TO FLOOR DRAINS IN BATHROOM. SEE DETAIL ON SHEET P1-300.
- 3" ROOF DRAIN SLOPED AT 1/8" / 1' TO STORM WATER DRAINAGE.



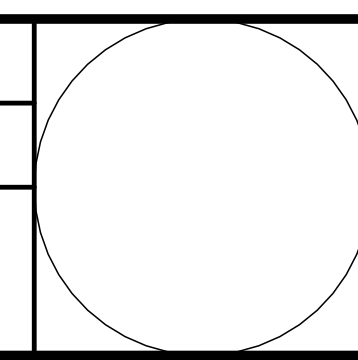
FIRST LEVEL FLOOR PLAN (EL. 364.33) - SANITARY PIPING
3/16" = 1'-0"



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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK PLUMBING FIRST LEVEL FLOOR PLAN (EL 364.33) - SANITARY PIPING	DATE: JANUARY 2023 SCALE: SHEET NO: 6 OF No. 8 DRAWING NO. P1-101

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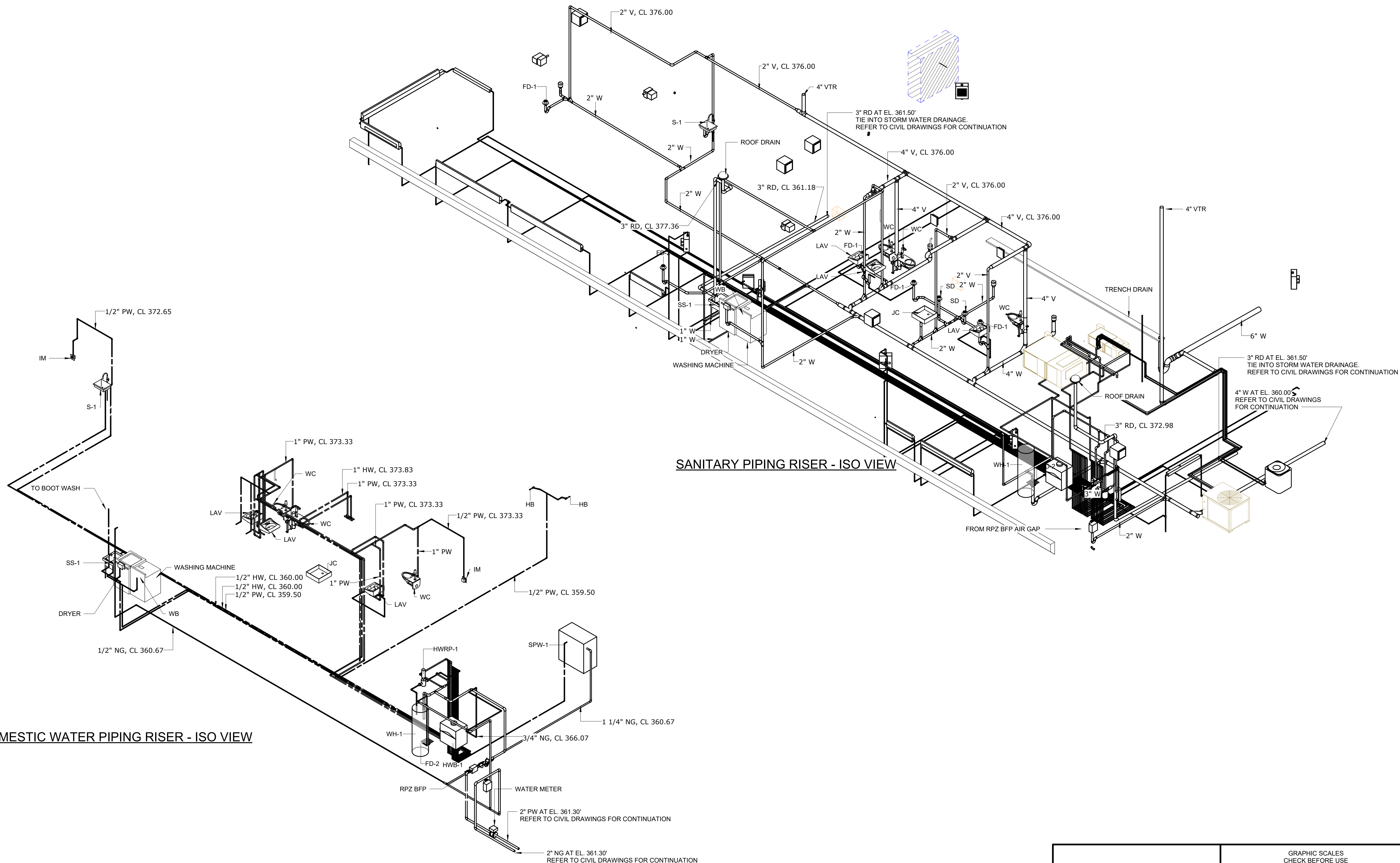
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SANITARY PIPING RISER - ISO VIEW

DOMESTIC WATER PIPING RISER - ISO VIEW

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WATERFOWL MANAGEMENT PROGRAM BUILDING AND PAVING MOUNT PLEASANT, NEW YORK PLUMBING RISER DIAGRAMS	DATE: JANUARY 2023 SCALE: SHEET NO: 7 OF No. 8 DRAWING NO. P1-200

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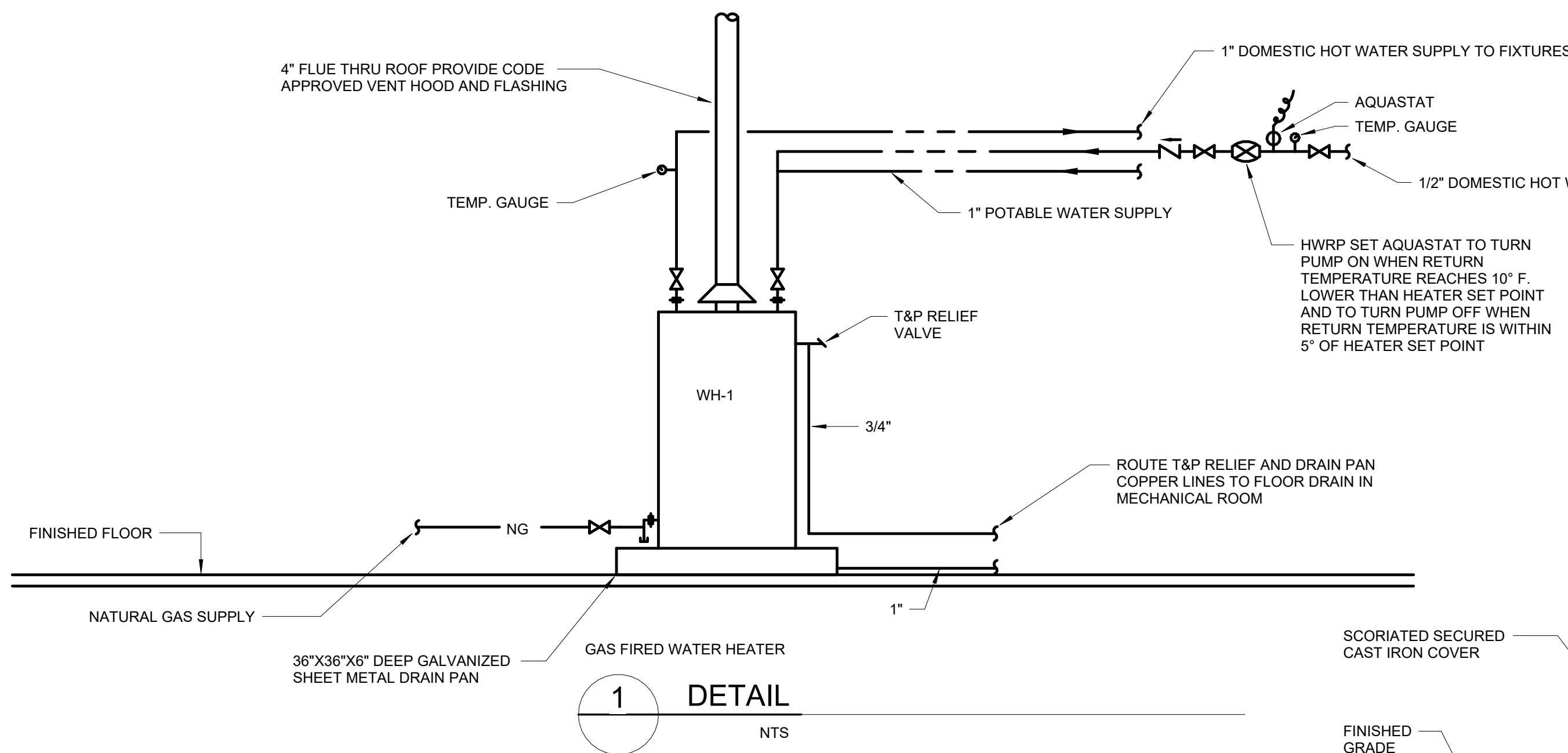
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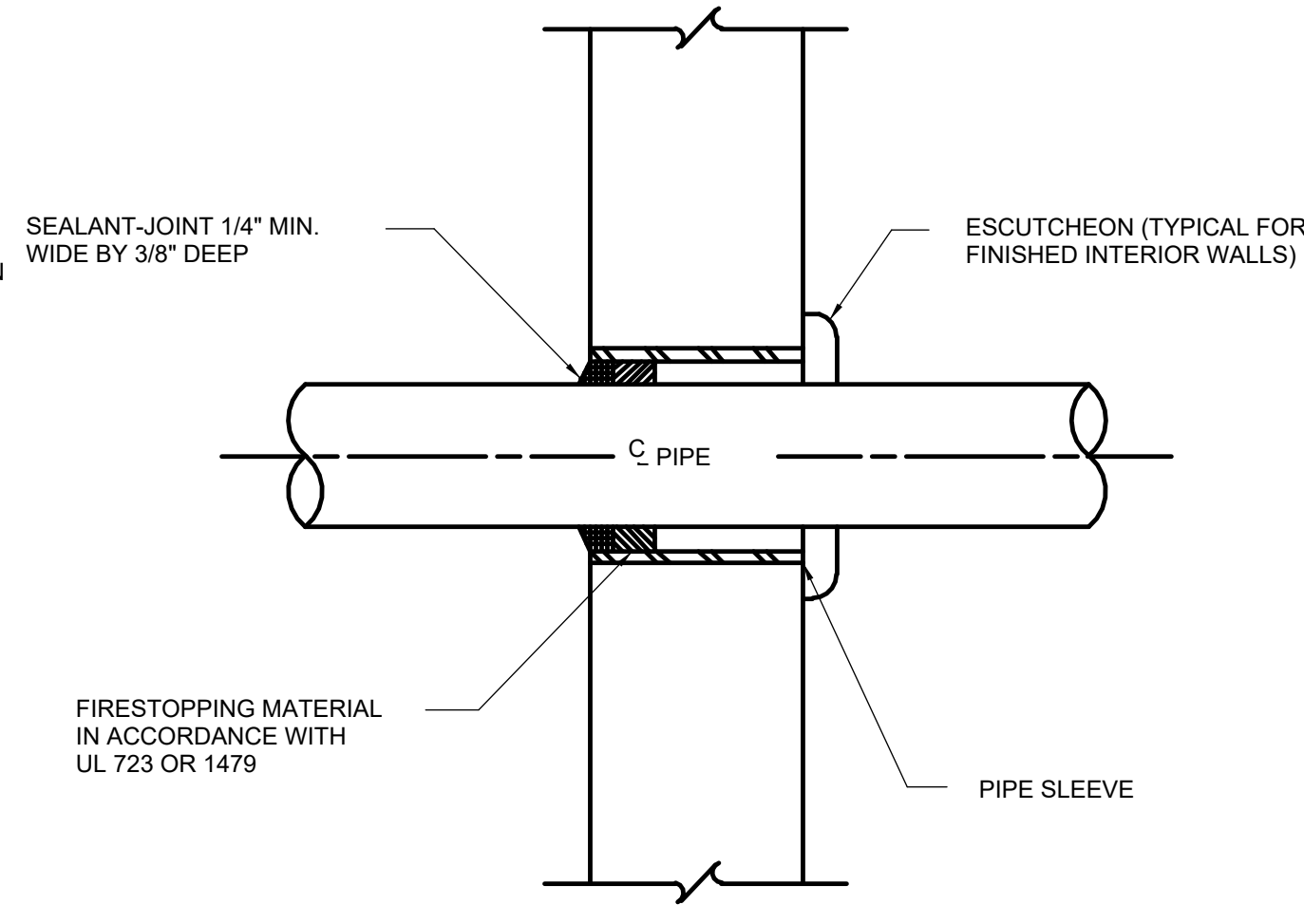
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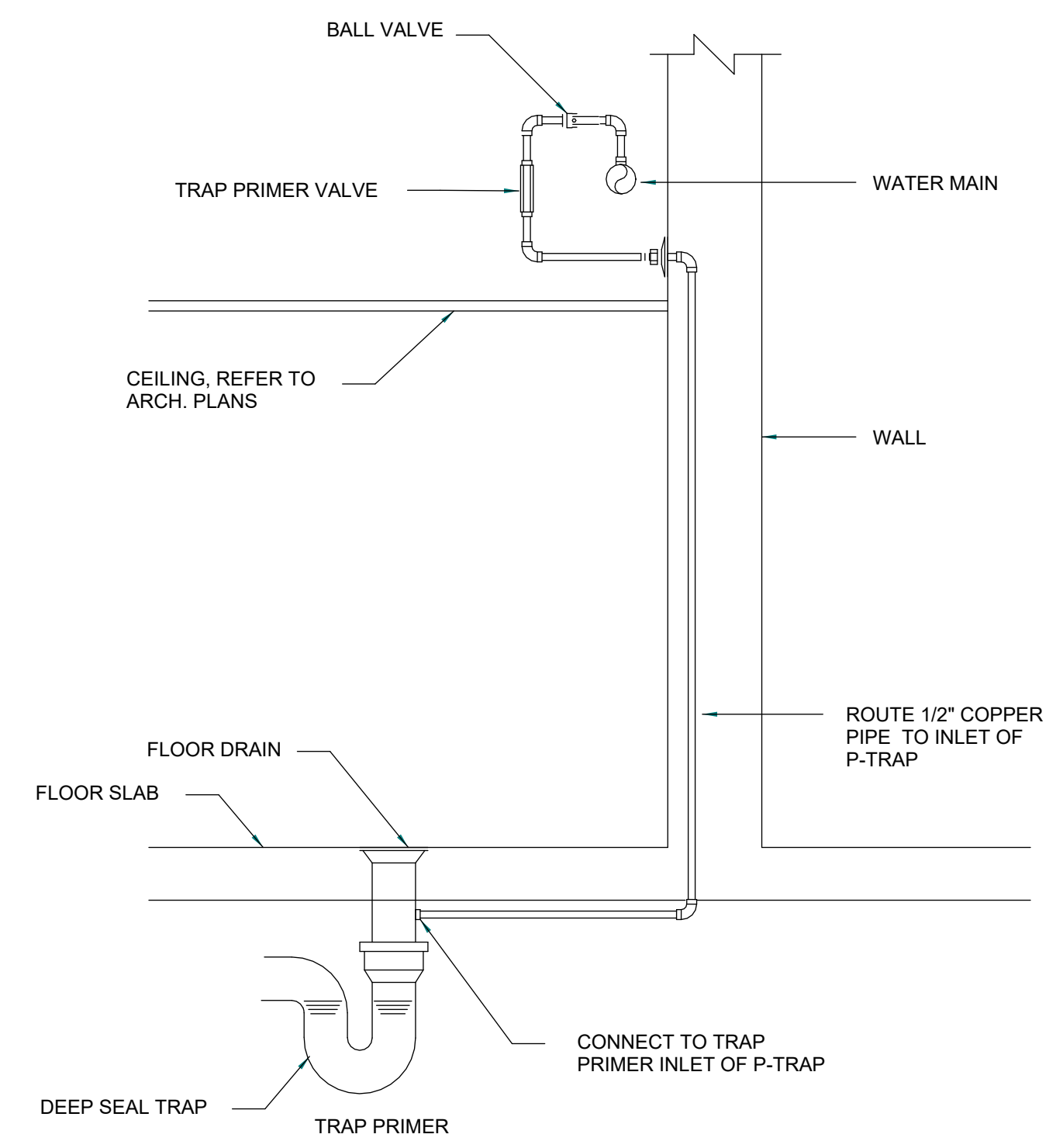
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1 DETAIL
NTS

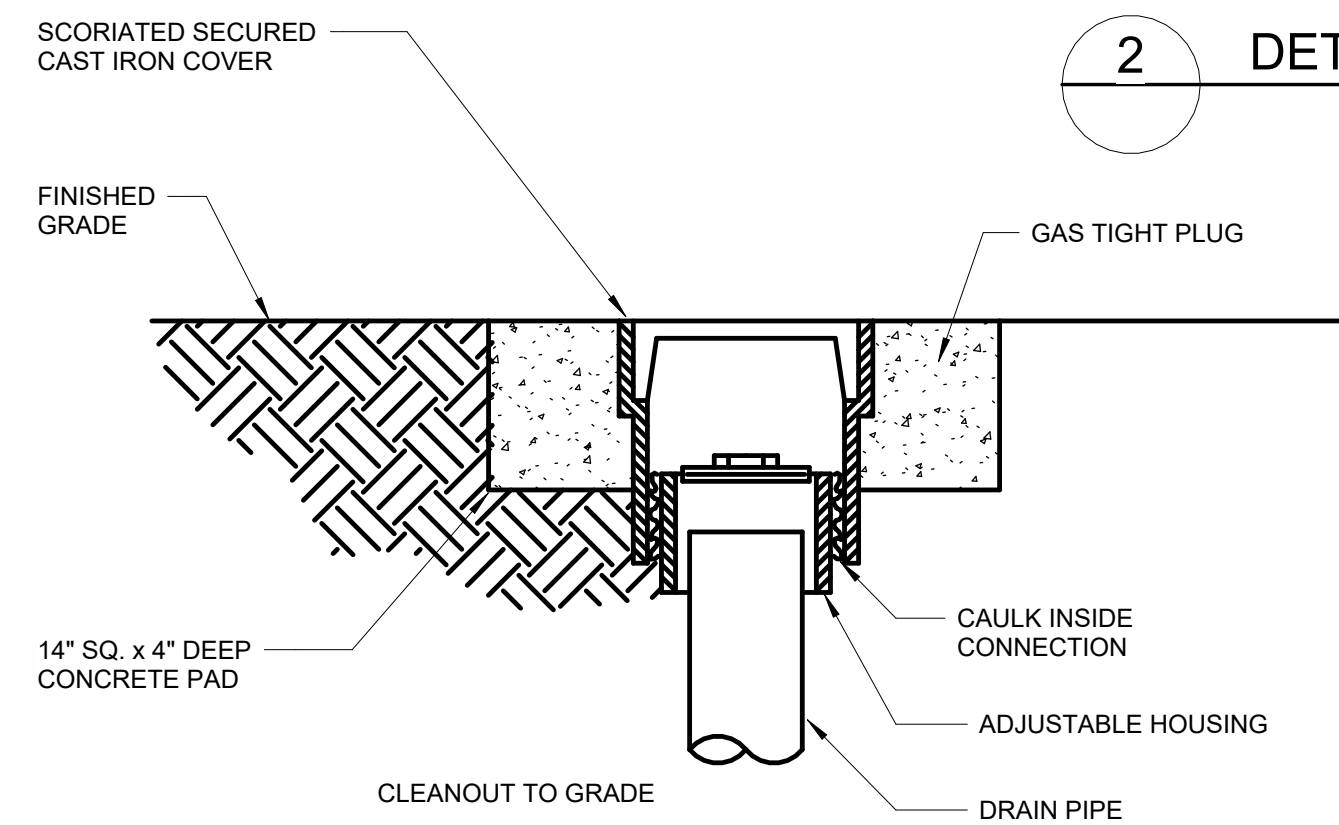


2 DETAIL
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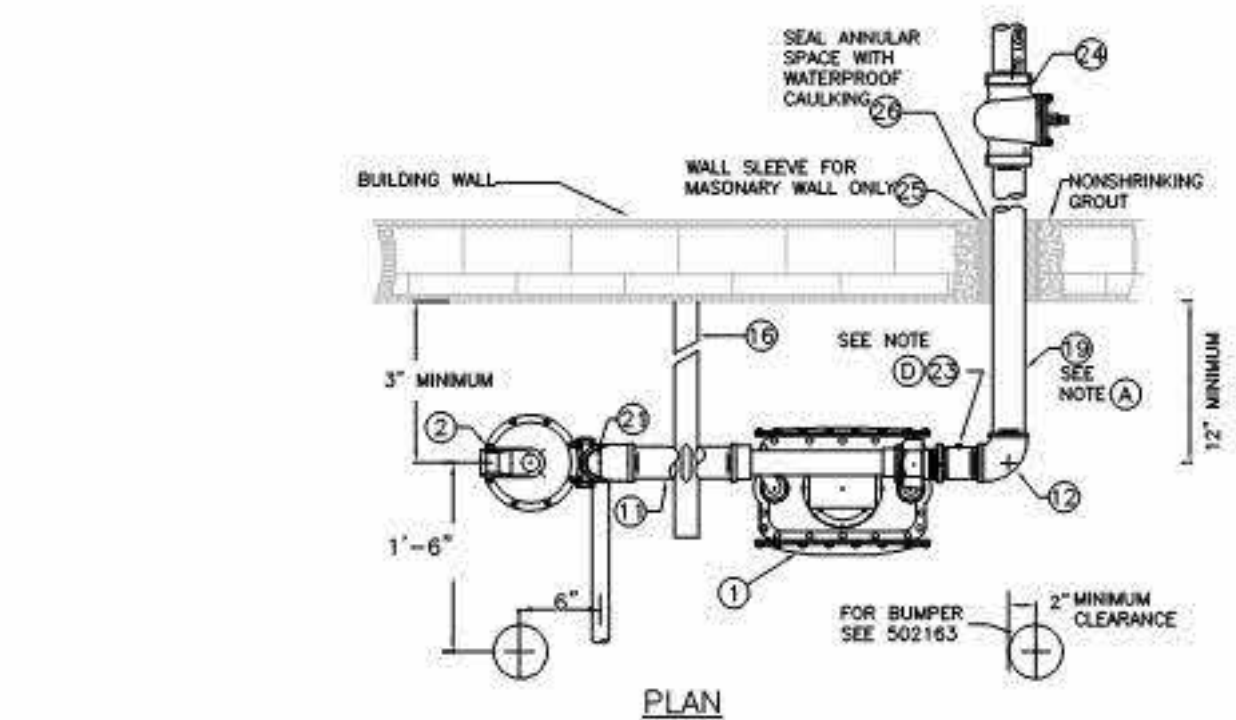


3 DETAIL
NTS

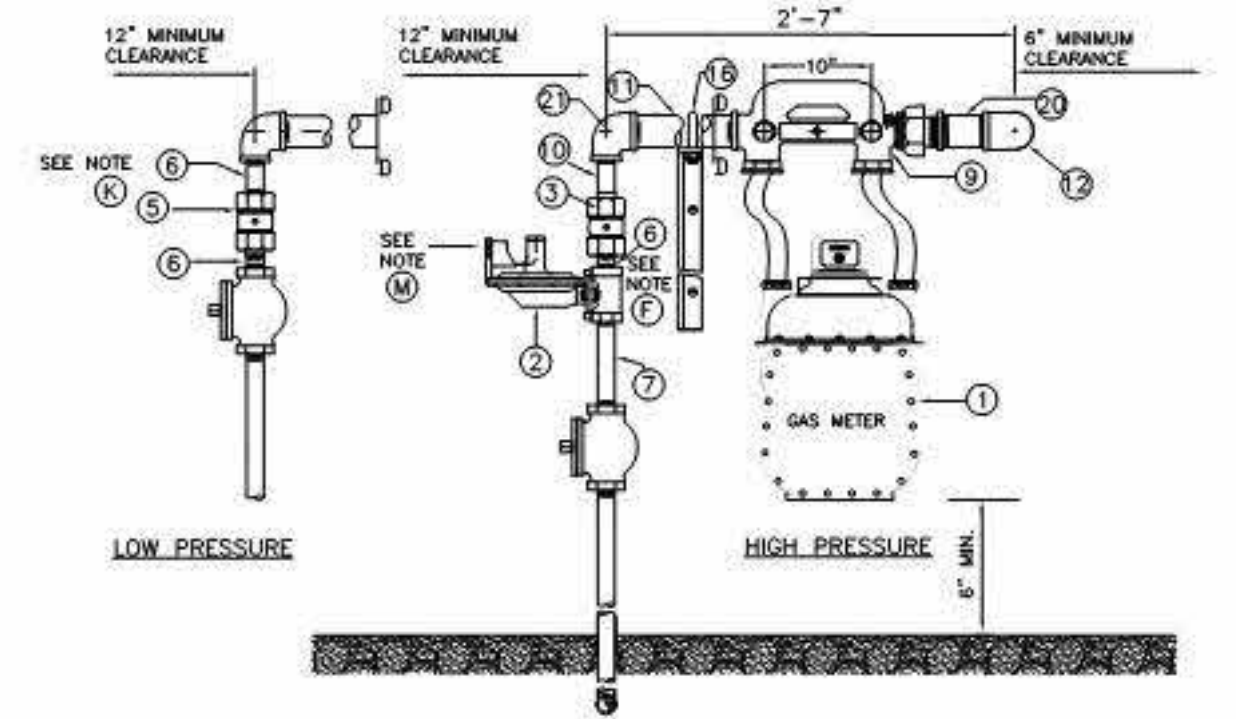
- NOTES:**
- (A) ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY CUSTOMER.
 - (B) ALL PIPING SHALL BE INSTALLED PLUMB AND LEVEL.
 - (C) ALL PIPE TO BE STANDARD WALL STEEL. ALL FITTINGS TO BE 150 LB. STANDARD WALL MALLEABLE IRON.
 - (D) WHERE SERVICE PIPE IS BURIED STEEL, INSTALL INSULATED COUPLING BETWEEN SERVICE HEAD VALVE AND METER.
 - (E) PIPING MUST BE LEFT CAPPED BY CONTRACTOR PRIOR TO METER INSTALLATION.
 - (F) FOR CLASS 500 TC AND CLASS 1000 TC GAS METERS, METER BAR SHALL BE A.Y.MCDONALD 6480 FEE-W 1 1/2 x 1 1/2 x 1 1/2 & 2 1/2 x 2 1/2 x 2 1/2.
 - (G) ALL PIPE AND FITTINGS SHALL BE SCHEDULE 40.
 - (H) INSULATE SUPPORT BY WRAPPING PIPE WITH NEOPRENE OR EQUAL.
 - (I) METER NUT PLUG, ITEM 27 CAN BE USED TO TEST PIPING INCLUDING METER BAR.
 - (J) PIPING MUST BE LEFT PLUGGED BY CONTRACTOR PRIOR TO METER INSTALLATION.
 - (K) INSTALL 1/8" THREADED PLUG.
 - (L) ALL OUTDOOR PIPING AND FITTINGS SHALL BE PAINTED WITH A SUITABLE TYPE OF PAINT FOR USE ON OUTDOOR METAL SURFACES.
 - (M) FOR VENT REQUIREMENTS REFER TO E0-17118



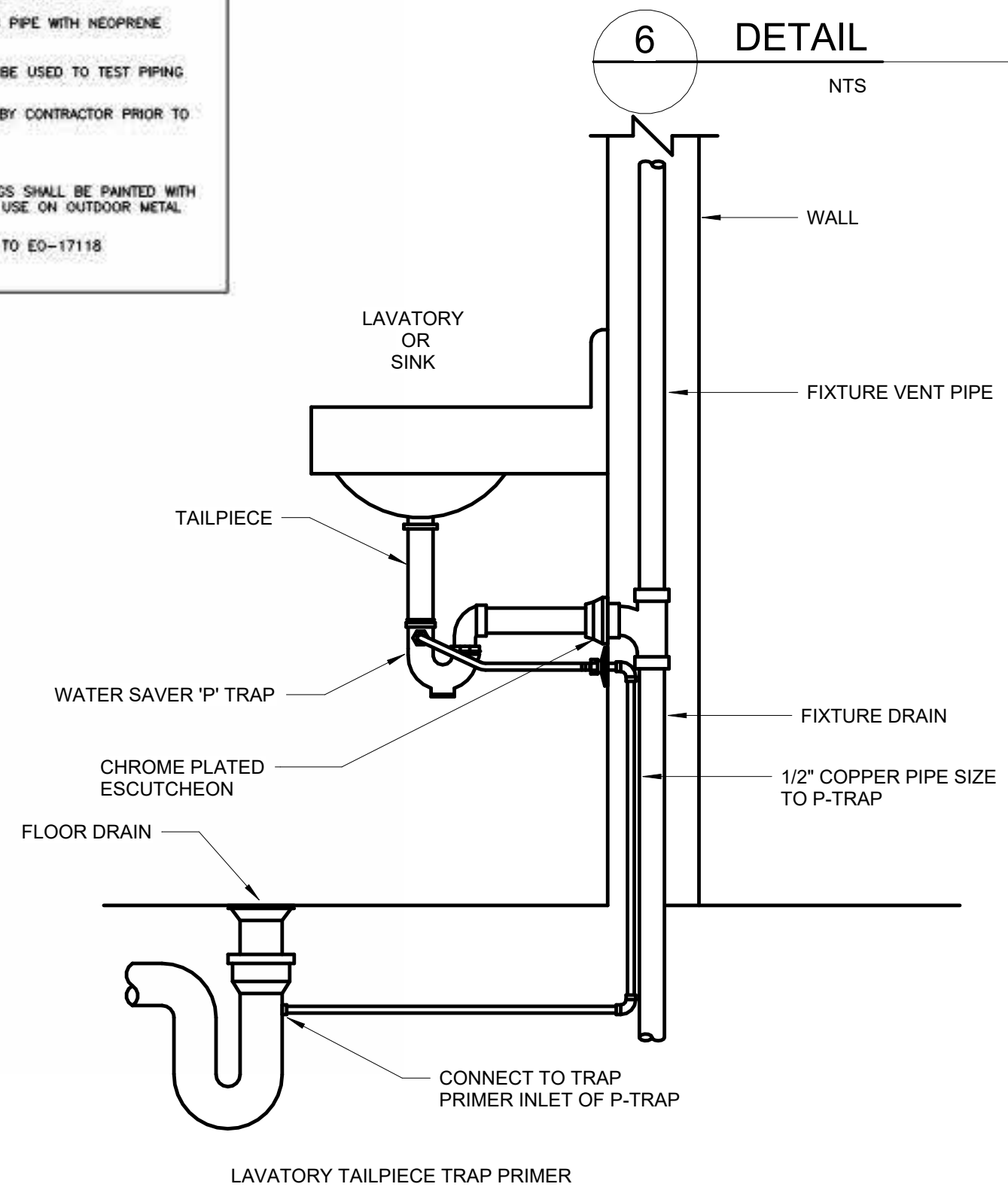
6 DETAIL
NTS



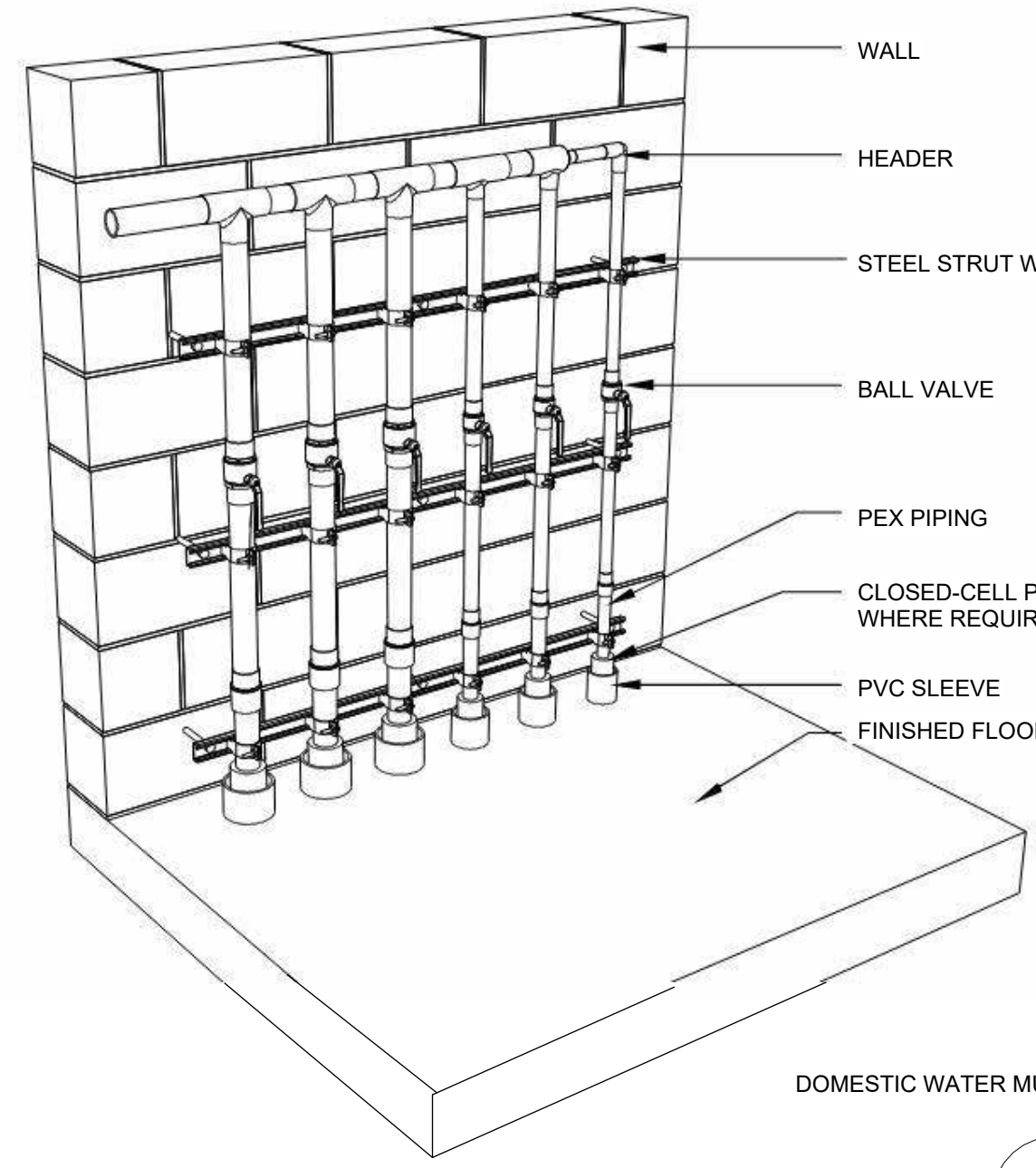
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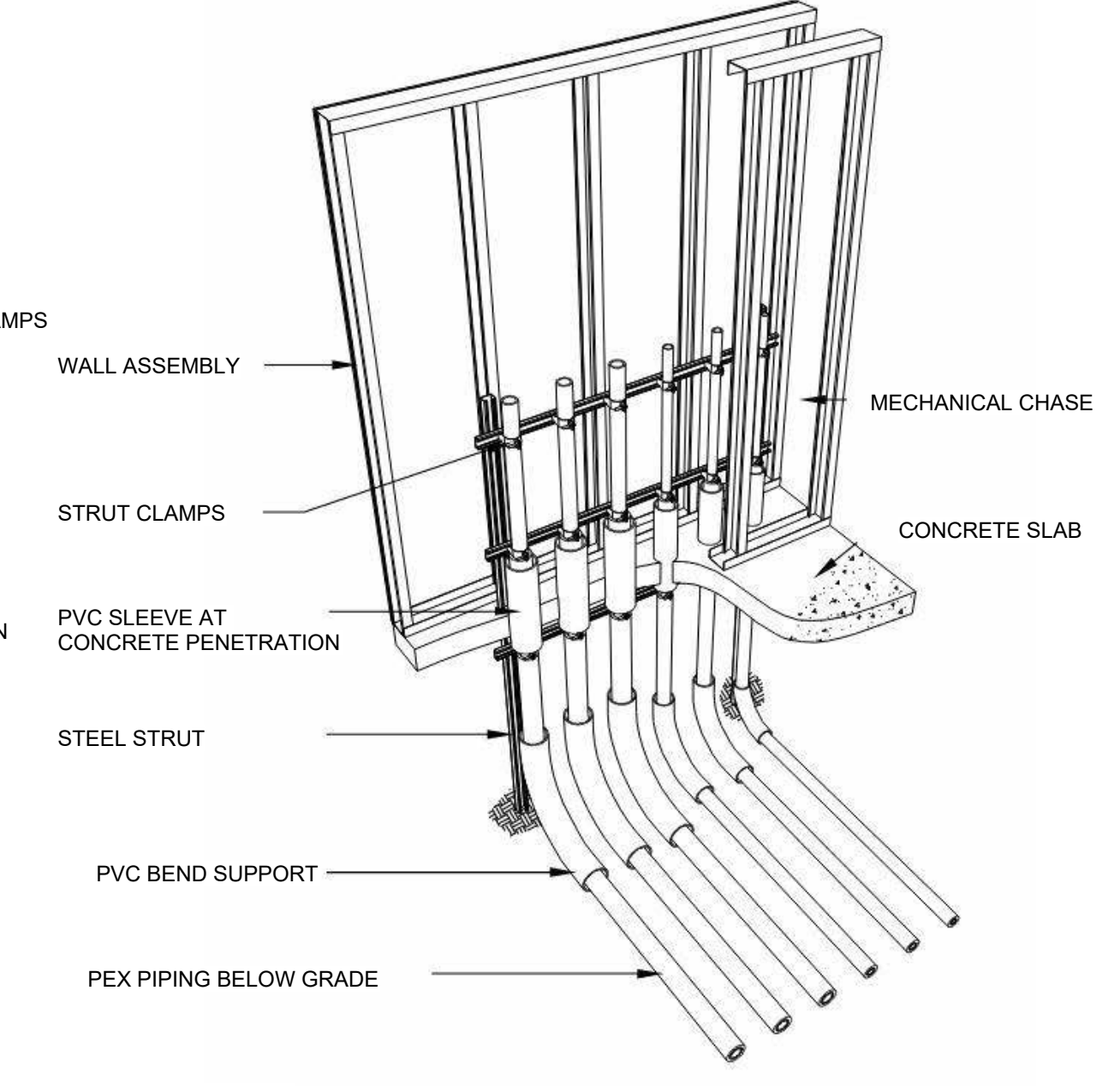
4 DETAIL
NTS



5 DETAIL
NTS



7 DETAIL
NTS



3 DETAIL
NTS

NOTE: INSTALLATION PER CON EDISON'S NATURAL GAS YELLOW BOOK

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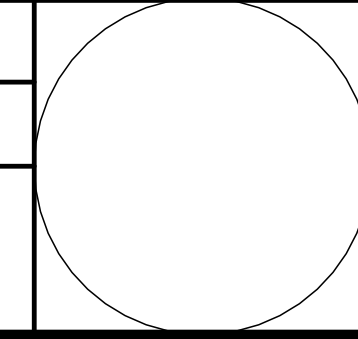
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