JOSEPH G. CAPUTO COMMUNITY CENTER

PROPERTY INFORMATION TABLE	
MUNICIPALITY	VILLAGE OF OSSINING STATE OF NEW YORK WESTCHESTER COUNTY
ADDRESS	95 BROADWAY, OSSINING, NEW YORK 10562
OWNER	VILLAGE OF OSSINING

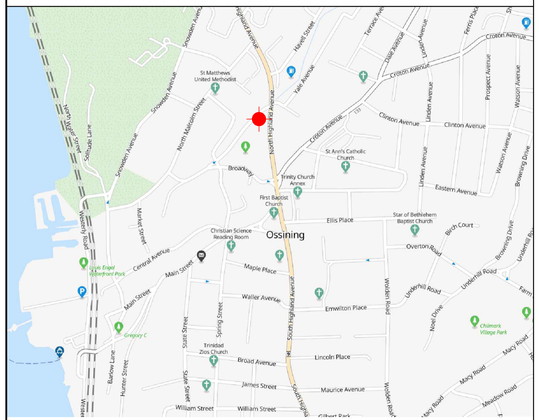
CODE COMPLIANCE

PROJECT DRAWINGS, SPECIFICATIONS ARE IN COMPLIANCE WITH THE STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, STATE ENERGY CONSERVATION CONSTRUCTION CODE AND EDUCATION DEPARTMENT MANUAL OF PLANNING STANDARDS FOR COMMUNITY CENTER BUILDINGS AND TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT. ASBESTOS ABATEMENT SPECIFICATIONS REQUIRE CONTRACTOR TO PERFORM WORK IN ACCORDANCE WITH NYSICR 56.

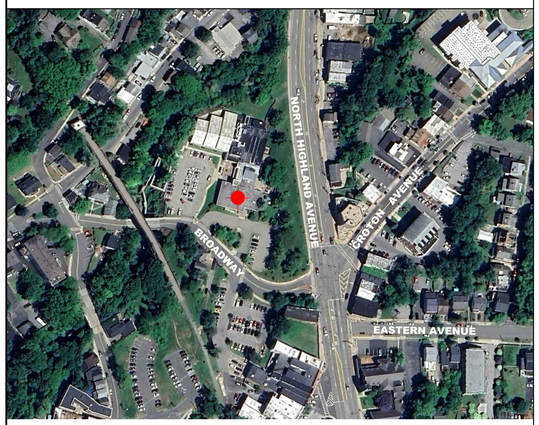
DRAZEN CACKOVIC R.A.

ENERGY CODE COMPLIANCE STATEMENT:

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGMENT, THE PROPOSED WORK SHOWN ON THESE DRAWINGS COMPLIES WITH THE APPLICABLE PROVISIONS OF THE 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (NYSECCC), AS REQUIRED BY NYSECCC SECTION C105.2, AND HAS BEEN DESIGNED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE 2020 NEW YORK STATE EXISTING BUILDING CODE FOR ALTERATIONS TO EXISTING BUILDINGS.



1 LOCATOR MAP
SCALE: NTS



2 AERIAL MAP
SCALE: NTS

COMPLIANCE WITH FEDERAL LEAD-BASED PAINT REQUIREMENTS:
ALL CONTRACTORS WHOSE WORK WILL INVOLVE DISTURBANCE OF LEAD-BASED PAINT OR COATINGS MUST HAVE UP-TO-DATE EPA-MANDATED CERTIFICATION FOR THAT WORK. AT LEAST ONE CERTIFIED RENOVATOR, OR MORE WHERE EPA RULES REQUIRE, WHO HAS SUCCESSFULLY COMPLETED THE EPA TRAINING FOR CERTIFICATION MUST BE ASSIGNED BY THE CONTRACTOR TO PROVIDE OVERSIGHT OF ANY AND ALL SUCH WORK. CONTRACTOR(S) AND THEIR DESIGNATED SUPERVISING 'CERTIFIED RENOVATOR' ARE RESPONSIBLE TO MAINTAIN STRICT COMPLIANCE WITH THE EPA'S 'LEAD-BASED PAINT RENOVATION, REPAIR AND PAINTING PROGRAM' REQUIREMENTS FOR LEAD-SAFE WORK PRACTICES, FOR THE ENTIRE DURATION OF THE WORK. CONTRACTORS MUST SUBMIT PROOF OF EPA CERTIFICATION AND IDENTIFY THE DESIGNATED SUPERVISING 'CERTIFIED RENOVATOR' (AND ANY SUBSEQUENT PROPOSED CHANGE OF THE 'CERTIFIED RENOVATOR') TO THE OWNER AND ARCHITECT FOR APPROVAL PRIOR TO COMMENCING THE WORK. FURTHER INFORMATION ON COMPLIANCE REQUIREMENTS IS AVAILABLE AT www.epa.gov/lead/puds/sbcomplianceguide

ABBREVIATIONS

&	AND
@	AT
DIA	DIAMETER
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE, APPROXIMATELY
BO	BOTTOM OF
BD	BOARD
BRG	BEARING
CCTV	CLOSED-CIRCUIT TELEVISION
CL	CENTERLINE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNJ	CONSTRUCTION JOINT
COL	COLUMN
COLS	COLUMNS
CONC	CONCRETE
CONT	CONTINUOUS
CO	CONTRACTING OFFICER
DS	DOWNSPOUT
DIA	DIAMETER
DISP	DISPLAY OR DISPENSER
DTL	DETAIL
EJ	EXPANSION JOINT
EWC	ELECTRICAL WATER COOLER
ELEC	ELECTRIC, ELECTRICAL
EQ	EQUAL
EXP	EXPANSION
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FF	FACTORY FINISH
FIN	FINISH(ED)
FO	FACE OF
GA	GAUGE
GC	GENERAL CONTRACTOR
GYP	GYPSUM
	HIGH
HB	HOSE BIBB
HDW	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HT	HEIGHT
ID	INSIDE DIAMETER
	ISOLATION JOINT
INSUL	INSULATION
INT	INTERIOR
I&T	INTEGRATED RETAIL TERMINAL
JAN	JANITOR
JT	JOINT
LB	POUND
LVL	LUXURY VINYL LINOLEUM
MATL	MATERIAL
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MOD	MODIFIED
MTD	MOUNTED
MTL	METAL
NO	NUMBER
N/A	NOT APPLICABLE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
P LAM	PLASTIC LAMINATE
PART	PARTITION, PARTIAL
PBSM	POSTAGE BOOKLET STAMP MACHINE
PLYWD	PLYWOOD
PO	POST OFFICE
POS	POINT OF SALE
PTD	PAINTED
PL	PLATE
RECEP	RECEPTACLE
REF	REFER, REFERENCE
REQ'D	REQUIRED
RO	ROUGH OPENING
SQ FT	SQUARE FEET
SQ IN	SQUARE INCHES
SCW	SOLID CORE WOOD
SS	STAINLESS STEEL
SHT	SHEET
SHTS	SHEETS
SIM	SIMILAR
SM	SURFACE MOUNTED
SPECS	SPECIFICATIONS
STL	STEEL
T & G	TONGUE AND GROOVE
TBR	TO BE REMOVED
TELE	TELEPHONE
THICK	THICKNESS
THRESH	THRESHOLD
TO	TOP OF
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
USPS	UNITED STATES POSTAL SERVICE
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
W	WIDE
W/	WITH
WD	WOOD
WWF	WELDED WIRE FABRIC

DRAWING SYMBOLS

PLAN SYMBOLS

- 3 / 603 — BUILDING/WALL SECTION INTERIOR ELEVATION
- 2 / 502 — DETAIL REFERENCE DRAWING NUMBER
- k00 — ROOM/SPACE NUMBER
- 7 — DOOR NUMBER
- 5 — PARTITION TYPE
- 3 — WINDOW NUMBER
- 1 / 603 — ELEVATION REFERENCE NUMBER
- PROJECT NORTH
- LEVEL LINE CONTROL POINT OR DATUM

DETAIL SYMBOLS

- EARTH/COMPACT FILL
- CAST IN PLACE/ PRECAST CONCRETE
- POROUS FILL/GRAVEL
- EXISTING MASONRY
- WOOD ROUGH/BLOCKING
- PLYWOOD
- GYPSUM WALLBOARD
- STEEL/METAL SECTIONS
- JAMB TIGHT AGAINST WALL
- CENTER ON ROOM OR WALL

NOTE:
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING LICENSED PROFESSIONAL SHALL AFFIX TO THEIR ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

		#	DRAWING NAME	ISSUED FOR BID 06/19/2026	REVISION 1	REVISION 2	REVISION 3	REVISION 4
		TS-001	TITLE SHEET, GENERAL NOTES & LOCATION PLAN	06/19/2026				
		G-001	CODE SUMMARY	06/19/2026				
		G-002	CABO-ANSI A117.1 STANDARDS	06/19/2026				
		LS-001	FIRST FLOOR LIFE SAFETY PLAN	06/19/2026				
		LS-002	SECOND FLOOR LIFE SAFETY PLAN	06/19/2026				
ARCHITECTURAL		AD-101	FIRST FLOOR DEMOLITION PLAN	06/19/2026				
		AD-102	SECOND FLOOR DEMOLITION PLAN	06/19/2026				
		A-101	PROPOSED FIRST FLOOR PLAN	06/19/2026				
		A-102	PROPOSED SECOND FLOOR PLAN	06/19/2026				
		A-201	ELEVATIONS	06/19/2026				
		A-300	ENLARGED ENTRANCE PLANS & SECTIONS	06/19/2026				
		A-301	ENLARGED PLANS FOR MOVEABLE PARTITIONS	06/19/2026				
		A-302	RCP DETAILS	06/19/2026				
		A-304	VERTICAL CIRCULATION STAIR	06/19/2026				
		A-305	PROPOSED FIRST FLR - FLOOR FINISH PLAN	06/19/2026				
		A-306	PROPOSED SECOND FLR - FLOOR FINISH PLAN	06/19/2026				
		A-307	PROPOSED FIRST FLR - WALL FINISH PLAN	06/19/2026				
		A-308	PROPOSED SECOND FLR - WALL FINISH PLAN	06/19/2026				
		A-310	FIRST FLOOR RESTROOM PLAN & ELEVATIONS	06/19/2026				
		A-311	SECOND FLOOR RESTROOM PLAN & ELEVATIONS	06/19/2026				
		A-312	FIRST FLOOR INTERIOR ELEVATIONS	06/19/2026				
		A-313	FIRST FLOOR INTERIOR ELEVATIONS	06/19/2026				
		A-314	SECOND FLOOR INTERIOR ELEVATIONS	06/19/2026				
		A-315	MILLWORK ELEVATIONS	06/19/2026				
		A-316	MILLWORK DETAILS	06/19/2026				
		A-317	MILLWORK DETAILS	06/19/2026				
		A-318	MILLWORK DETAILS	06/19/2026				
		A-320	EXISTING STAIR RAILING REPLACEMENT	06/19/2026				
		AD-401	FIRST FLOOR DEMOLITION RCP	06/19/2026				
		AD-402	SECOND FLOOR DEMOLITION RCP	06/19/2026				
		A-401	FIRST FLOOR RCP	06/19/2026				
		A-402	SECOND FLOOR RCP	06/19/2026				
		A-500	WALL SECTIONS	06/19/2026				
		A-602	PARTITION TYPES - GWB WALLS (METAL)	06/19/2026				
		A-603	- NOT USED -	06/19/2026				
		A-604	- NOT USED -	06/19/2026				
		A-700	DOOR SCHEDULE, DOOR & FRAME TYPES	06/19/2026				
		A-701	DOOR FRAME INSTALLATION DETAILS - GWB INTERIOR	06/19/2026				
		A-703	FRAME INSTALLATION DETAILS - MASONRY EXTERIOR/INTERIOR	06/19/2026				
		A-710	WINDOW SCHEDULE & TYPES	06/19/2026				
STRUCTURAL		S-1.0	GENERAL NOTES AND STRUCTURAL ABBREVIATIONS	06/19/2026				
		S-2.0	PARTIAL PLAN FOR PROPOSED FOUNDATION	06/19/2026				
		S-3.0	PARTIAL PLAN FOR PROPOSED LOWER LEVEL	06/19/2026				
		S-4.0	PARTIAL PLAN FOR PROPOSED ROOF FRAMING AND DETAILS	06/19/2026				
		S-4.1	TYPICAL METAL CONCRETE DECK CONNECTION DETAILS	06/19/2026				
		S-4.2	SECTIONS AND DETAILS	06/19/2026				
PLUMBING		P-001	PLUMBING COVER SHEET AND SCHEDULE	06/19/2026				
		P-101	FIRST & SECOND FLOOR DEMOLITION PLANS	06/19/2026				
		P-201	KEY PLANS	06/19/2026				
		P-202	FIRST FLOOR SUPPLY & SANITARY PLAN	06/19/2026				
		P-203	SECOND FLOOR SUPPLY & SANITARY PLAN	06/19/2026				
		P-301	PLUMBING RISERS	06/19/2026				
MECHANICAL		M-001	HVAC COVER SHEET	06/19/2026				
		M-101	1ST FLOOR HVAC DEMO PLAN	06/19/2026				
		M-102	2ND FLOOR HVAC DEMO PLAN	06/19/2026				
		M-103	ROOF HVAC DEMO PLAN	06/19/2026				
		M-201	1ST FLOOR HVAC PLAN	06/19/2026				
		M-202	2ND FLOOR HVAC PLAN	06/19/2026				
		M-203	HVAC ROOF PLAN	06/19/2026				
		M-301	HVAC DETAILS - 1	06/19/2026				
		M-302	HVAC DETAILS - 2	06/19/2026				
ELECTRICAL		E-001	ELECTRICAL COVER SHEET	06/19/2026				
		E-101	FIRST FLOOR DEMO PLAN	06/19/2026				
		E-102	SECOND FLOOR DEMO PLAN	06/19/2026				
		E-201	FIRST FLOOR POWER PLAN	06/19/2026				
		E-202	SECOND FLOOR POWER PLAN	06/19/2026				
		E-301	FIRST FLOOR LIGHTING PLAN	06/19/2026				
		E-302	SECOND FLOOR LIGHTING PLAN	06/19/2026				
		E-401	FIRST FLOOR LOW VOLTAGE PLAN	06/19/2026				
		E-402	SECOND FLOOR LOW VOLTAGE PLAN	06/19/2026				
		E-501	LIGHTING COM CHECK	06/19/2026				
		E-601	ELECTRICAL DETAILS - 1	06/19/2026				
		E-602	ELECTRICAL DETAILS - 2	06/19/2026				
		E-701	ELECTRICAL SPECIFICATIONS	06/19/2026				
FIRE ALARM		FA-001	FIRE ALARM COVER SHEET	06/19/2026				
		FA-101	FIRST FLOOR FIRE ALARM DEMOLITION PLAN	06/19/2026				
		FA-102	SECOND FLOOR FIRE ALARM DEMOLITION PLAN	06/19/2026				
		FA-201	FIRST FLOOR FIRE ALARM PLAN	06/19/2026				
		FA-202	SECOND FLOOR FIRE ALARM PLAN	06/19/2026				
		FA-301	FIRE ALARM RISER DIAGRAM	06/19/2026				
LANDSCAPE		L-1	DEMOLITION AND REMOVAL PLAN	06/19/2026				
		L-2	MATERIAL PLAN	06/19/2026				
		L-3	LAYOUT PLAN	06/19/2026				
		L-4	GRADING PLAN	06/19/2026				
		L-5	PLANTING PLAN	06/19/2026				
		L-6	DETAILS	06/19/2026				
		L-7	DETAILS	06/19/2026				
		L-8	DETAILS	06/19/2026				
		L-9	NOTES & DETAILS	06/19/2026				
		L-10	LIGHTING DETAILS	06/19/2026				
ROOFING PREPARED BY INDUS ARCHITECTS	ROOFING	R-001.00	COMCHECK & ENERGY CODE	06/19/2026				
		A-001.00	ROOF DEMOLITION PLAN	06/19/2026				
		A-002.00	ROOF PROPOSED PLAN	06/19/2026				
		A-003.00	ROOF SLOPED INSULATION PLAN	06/19/2026				
		A-004.00	DETAILS	06/19/2026				
		A-005.00	DETAILS	06/19/2026				

GENERAL NOTES

1. CONSTRUCTION SHALL CONFORM TO THE ATTACHED DRAWINGS.
2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. IF THERE IS ANY VARIATION FROM THESE DRAWINGS, THE CONTRACTOR IS DIRECTED TO NOTIFY THE OWNER AND THE ARCHITECT OF THESE BEFORE PROCEEDING.
3. ALL DIMENSIONS AND LOCATIONS AS INDICATED ON THE DRAWINGS SHALL BE CONSIDERED AS REASONABLY CORRECT, BUT IT SHALL BE UNDERSTOOD THAT THEY ARE SUBJECT TO MODIFICATIONS AS MAY BE NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION TO MEET ANY UNFORESEEN OR OTHER CONDITIONS.
4. THE CONTRACTOR SHALL NOT SCALE THE DRAWING. IF ANY DIMENSIONS ARE FOUND TO BE MISSING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING.
5. THE CONTRACTOR SHALL PROVIDE DEMOLITION, REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING BUILDING AND SITE STRUCTURES, FINISHES AND CONDITIONS AS REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS TO REMAIN, FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT OCCURS TO ADJACENT AREAS TO REMAIN, DUE TO THEIR WORK.
6. THE CONTRACTOR SHALL CONFIRM THE SALVAGE ABILITY OF ANY AND ALL READILY SALVAGEABLE ITEMS, WHETHER OR NOT THEY ARE SPECIFICALLY NOTED ON THE DRAWINGS, WITH THE OWNER. THOSE ITEMS DIRECTED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND STORED IN PREPARATION FOR REINSTALLATION AS COORDINATED WITH THE OWNER.
7. ALL EXTERIOR OPENINGS WHERE WORK IS PERFORMED SHALL BE PROPERLY CAULKED, FLASHED AND WEATHER-STRIPPED.
8. PATCHING OF EXISTING FLOORS AND/OR WALLS WHERE REQUIRED SHALL BE SMOOTH AND UNIFORM WITH EXISTING FINISHES.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CUT SHEETS TO THE ARCHITECT FOR APPROVAL PRIOR TO COMMENCING WITH THAT PORTION OF THE WORK FOR THE ITEMS LISTED IN CONSTRUCTION DRAWINGS & SPECIFICATIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL EXISTING PLUMBING AND ELECTRICAL SYSTEMS AFFECTED BY THE WORK.
11. ALL WORK SHALL COMPLY WITH THE REFERENCED EDITION OF THE BUILDING CODE OF THE STATE OF NEW YORK AND ALL APPLICABLE STATE CODES, FEDERAL REGULATIONS, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE LOCAL LAWS AND REGULATIONS.
12. THE ARCHITECT SHALL OBTAIN APPROVAL OF DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED WORK PERMITS AND ALL REQUIRED TESTS AND INSPECTIONS, INCLUDING LETTER OF COMPLETION. CONTRACTOR SHALL FORWARD COPIES OF ALL PERMITS, TEST RESULTS AND INSPECTION APPROVALS TO THE ARCHITECT AND CLIENT FOR THEIR RECORD.
13. ALL EQUIPMENT SUPPLIED BY THE CONTRACTOR SHALL HAVE MEA OR BSA APPROVAL FOR USE IN THE STATE OF NEW YORK.
14. PROVIDE AND MAINTAIN NECESSARY COVERINGS AND BOARDING TO PROTECT EXISTING WORK AND FINISHES. UPON COMPLETION, REMOVE ALL PROTECTION, CLEAN ALL EXPOSED SURFACES AND LEAVE ALL SPACES IN A CLEAN, ORDERLY CONDITION AND BROOM SWEPT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY IMPROPER PROTECTION AND SHALL REPAIR ANY DAMAGE CAUSED WITHOUT EXTRA CHARGE TO THE CLIENT.
15. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND KEEP CONDITIONS MAINTAINED IN A SAFE AND ACCESSIBLE FASHION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY ELECTRIC LIGHTING AND POWER FOR ALL PORTIONS OF THE WORK.
17. ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS APPLYING TO THE CONTRACTOR, SHALL ALSO APPLY TO ALL THE CONTRACTORS SUB-CONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBCONTRACTOR CONFORMANCE WITH THOSE REQUIREMENTS.
18. THE TERM 'CONTRACTOR' SHALL REFER TO THE SELECTED CONTRACTOR AND/OR GENERAL CONTRACTOR.
19. ALL TEMPORARY ELECTRICAL EQUIPMENT AND WIRING SHALL MEET THE REQUIREMENTS OF THE ELECTRICAL CODE OF NEW YORK STATE, AND SHALL BE MAINTAINED TO MEET SUCH REQUIREMENTS. PORTIONS OF PERMANENT ELECTRICAL INSTALLATIONS MAY BE USED FOR TEMPORARY OPERATIONS PROVIDED THE REQUIREMENTS OF THE ELECTRICAL CODE ARE MET.
20. ALL EXPOSED, ELECTRICALLY CHARGED, MOVING OR OTHERWISE DANGEROUS PARTS OF MACHINERY AND CONSTRUCTION EQUIPMENT SHALL BE LOCATED, GUARDED, SHIELDED, OR BARRICADED SO AS TO PREVENT CONTACT BY THE PUBLIC.
21. LINES, WIRES, ROPES, PIPES, CHAINS ETC. SHALL BE LOCATED SO THAT THEY WILL NOT CONSTITUTE A TRIPPING HAZARD.
22. ALL AREAS USED BY THE PUBLIC SHALL BE MAINTAINED FREE FROM ICE, SNOW, GREASE, DEBRIS, EQUIPMENT, MATERIALS, PROJECTIONS, TOOLS, OR OTHER ITEM, SUBSTANCE OR CONDITION THAT MAY CONSTITUTE SLIPPING, TRIPPING OR OTHER HAZARD.
23. WHEN NOT BEING USED, MATERIAL, EQUIPMENT AND TOOLS THAT MIGHT FALL FROM LEVELS ABOVE AREAS USED BY THE PUBLIC SHALL BE KEPT AWAY FROM EDGES OR OPENINGS.
24. WASTE DUMPSTERS AND DEBRIS BOXES SHALL BE SECURED AND THOSE CONTAINING MATERIAL OR DEBRIS SHALL BE COVERED AT THE END OF EACH WORKDAY.
25. WASTE MATERIAL SHALL NOT BE PERMITTED TO ACCUMULATE AND SHALL BE PROPERLY DISPOSED OF IN DEBRIS CONTAINERS AT REASONABLE INTERVALS.

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REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
TITLE SHEET

Project Number:	Responsible Party:	Reviewed By:
24012	AJ	JK

Scale:
AS NOTED

Drawing Number:
TS-001

CODES WHICH THIS PROJECT WAS DESIGNED TO:

ARTICLE 18, TITLE 19

- PART 1219. NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (Amended Notice of Adoption March 6, 2020, effective May 12, 2020)
  - Section 1219.2(a)(1) 2020 BCNYS. 2020 Building Code of New York State (publication date: November 2019)
  - Section 1219.2(a)(2) 2020 EBCNYS. 2020 Existing Building Code of NEW York State (publication date: November 2019)
  - Section 1219.2(a)(3) 2020 FCNYS. 2020 Fire Code of New York State (publication date: November 2019)
  - Section 1219.2(a)(4) 2020 FGCNYS. 2020 Fuel Gas Code of New York State (publication date: November 2019)
  - Section 1219.2(a)(5) 2020 MCNYS. 2020 Mechanical Code of New York State (publication date: November 2019)
  - Section 1219.2(a)(6) 2020 PCNYS. 2020 Plumbing Code of New York State (publication date: November 2019)

Part 1240. STATE ENERGY CONSERVATION CONSTRUCTION CODE

- Section 1240.3 Amendments made to ASHRAE 90.1-2016
- Section 1240.4 Energy Code provisions applicable to commercial buildings.
  - (a) Commercial Buildings governed by 2020 ECCCNYS Commercial Provisions.

2020 EXISTING BUILDING CODE OF NEW YORK STATE (Based on IEBC 2018)

CHAPTER 6 - CLASSIFICATION OF WORK

- 603.1 Level 2 Alterations apply where the Work Area equals 50% or less of the building area.

First Floor Building Area:	26,794 SF
Second Floor Building Area:	10,936 SF
Total Building Area:	37,730 SF
First Floor Work Area:	9,927 SF
Second Floor Work Area:	8,260 SF
Total Work Area:	18,187 SF

Project Work Area = 48.20% (18,187 / 37,730)

- 603.2 Level 2 Alterations shall comply with the provisions of Chapter 7 for Level 1 Alterations and as well as the provisions of Chapter 8

CHAPTER 7 - ALTERATIONS - LEVEL 1

- 701.2 An existing building or portion thereof shall not be altered such that the building becomes less safe than its existing condition.

- SECTION 702 BUILDING ELEMENTS AND MATERIALS
- 702.2 New interior floor finish shall comply with Section 804 of the Building Code of NYS.
- 702.3 New interior trim materials shall comply with Section 806 of the Building Code of NYS.
- 702.6 New work shall comply with the materials and methods requirements in the Building Code of NYS, Energy Conservation Construction Code of NYS, Mechanical Code of NYS and Plumbing Code of NYS, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.

- SECTION 703 FIRE PROTECTION
- 703.1 Alterations shall be done in a manner that maintains the level of fire protection provided.

- SECTION 704 MEANS OF EGRESS
- 704.1 Alterations shall be done in a manner that maintains the level of protection provided for the means of egress.

- SECTION 707 ENERGY CONSERVATION
- 707.1 Alterations to existing buildings or structures do not require the entire building or structure to comply with the energy requirements of the Energy Conservation Construction Code of NYS. The alterations shall conform to the energy requirements of the Energy Conservation Construction Code of NYS as they relate to new construction only.

CHAPTER 8 - ALTERATIONS - LEVEL 2

- 803.1 New construction elements, components, systems, and spaces shall comply with the requirements of the Building Code of NYS.

- SECTION 802 BUILDING ELEMENTS AND MATERIALS
- 802.2.1 Existing interior openings connecting two or more floors shall be enclosed with approved assemblies having a fire-resistance rating of not less than 1 hour with approved opening protectives.
- Exceptions:
- In Group A occupancies, a minimum 30-minute enclosure shall be provided to protect all vertical openings not exceeding three stories.
- 802.4 The interior finish of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the Building Code of NYS.

- SECTION 803 FIRE PROTECTION
- 803.2.2 In buildings with a Group A occupancy that have exits or corridors serving an occupant load greater than 30 shall be provided with automatic sprinkler protection where both of the following conditions occur:

- The work area is required to be provided with automatic sprinkler protection in accordance with the Building Code of NYS as applicable to new construction.
- BCNYS 903.2.1.3 Group A-3. An automatic sprinkler system shall be provided where one of the following conditions exists:
  - The fire area exceeds 12,000 square feet.
    - N/A - Largest fire area is 8,506 square feet
  - The fire area has an occupant load of 300 or more.
    - N/A - First floor fire area occupant load: 275
    - N/A - Second floor fire area occupant load: 295
  - The fire area is located on a floor other than a level of exit discharge.
    - N/A - Both fire areas are located on a level of exit discharge.

- The work area exceeds 50 percent of the floor area.
- The project work area does not exceed 50 percent of the floor area.

- SECTION 805 MEANS OF EGRESS
- 805.3.1 Every story on which there is a work area that includes exits or corridors shall be provided with the minimum number of exits based on the occupancy and the occupant load in accordance with the Building Code of NYS.
- 805.4.1.1 In any work area, all rooms and spaces having an occupant load greater than 50 or in which the travel distance to an exit exceeds 75 feet shall have not fewer than two egress doorways.
- 805.4.2 In the work area and in the egress path from any work area to the exit discharge, all egress doors serving an occupant load greater than 50 shall swing in the direction of exit travel.
- 805.6 Dead-end corridors in any work area shall not exceed 35 feet.

- SECTION 810 ENERGY CONSERVATION
- 810.1 Level 2 alterations to existing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the Energy Conservation Construction Code of NYS. The alterations shall conform to the energy requirements of the Energy Conservation Construction Code of NYS as they relate to new construction only.

2020 BUILDING CODE OF NEW YORK STATE (Based on IBC 2018)

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION

Occupancies:

- 303.4 Assembly A-3 - Existing, No Change

CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREAS

- 504.3 ALLOWABLE BUILDING HEIGHT IN FEET, ABOVE GRADE PLANE
  - Table 504.3: A Occupancy, Construction Type IIB, Not Sprinklered (Fire Area 1) - 55' permitted (Existing Height, No Change)
  - Table 504.3: A Occupancy, Construction Type VB, Sprinklered (Fire Area 2) - 60' permitted (Existing Height, No Change)

- 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE
  - Table 504.4 A-3 Occupancy, Construction Type IIB, Not Sprinklered (Fire Area 1) - 2 Stories permitted (2 Stories Existing, No Change)
  - Table 504.4 A-3 Occupancy, Construction Type VB, Sprinklered (Fire Area 2) - 2 permitted (2 stories existing, No Change)

- 506.2 ALLOWABLE AREA DETERMINATION
  - Table 506.2 A-3 Occupancy, Construction Type IIB, Not Sprinklered (Fire Area 1) - 9,500 S.F. permitted (8,394 S.F. existing, No Change)
  - Table 506.2 A-3 Occupancy, Construction Type VB, Sprinklered - (Fire Area 2) 18,000 S.F. + 45% Frontage Increase = 20, 700 S.F. permitted (19,463 S.F. existing, No Change)

CHAPTER 6 - TYPES OF CONSTRUCTION

- SECTION 602.2 Type IIB, Non-combustible, Unprotected
- SECTION 602.5 Type VB, Unprotected
- TABLE 601 - FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
  - Type IIB and Type VB Fire Rating
    - Primary Str. Frame - 0 HR
    - Ext. Bearing Walls - 0 HR
    - Int. Bearing Walls - 0 HR
    - Non-Bearing Walls Inc. - 0 HR
    - Floor Const. - 0 HR
    - Roof Const. - 0 HR
- TABLE 602 - FIRE RESISTANCE RATING FOR EXTERIOR WALLS
  - Fire Separation Distance >30' - Rating required: 0 HR (All construction types, A Occupancy)

- SECTION 603 COMBUSTIBLE MATERIAL IN TYPES I AND II CONSTRUCTION
  - Fire-retardant-treated wood is permitted in:
    - Non-bearing partitions rated less than 2 hours
    - Non-bearing exterior walls with no rating
    - Roof construction
    - Partial height interior partitions
  - Thermal and acoustical insulation with flame spread index less than 25.
  - Foam plastics per Chapter 26.
  - Roof coverings A, B, and C classification.
  - Interior floors per Sections 804 and 805.
  - Doors, frames, windows.
  - Interior wall and ceiling per Sections 801 and 803.
  - Trim per Section 806.
  - Stages and platforms per Sections 410.2 and 410.4.
  - Exterior wall coverings per Chapter 14
  - Blocking for handrails, millwork, cabinets, doors and windows
  - Sealants in exterior wall
  - Exterior plastic veneer per Section 2605.2
  - Nailing or furring strips per 803.15
  - Combustible materials in concealed spaces per Section 718.5.
  - Non-metallic ducts per IMC
  - Piping per IMC and IPC
  - Electrical wiring per code.

CHAPTER 7 - FIRE & SMOKE PROTECTION FEATURES

- SECTION 705 EXTERIOR WALLS
  - Table 705.2 Minimum Distance of Projections from FSD line - > 5 feet.
  - 705.2.1 Projections shall be non-combustible, or allowed combustible materials (Type II)
  - 705.2.2 Projections shall be of any approved material (Type V)
  - 705.8.1 Exc. 2 Buildings permitted w/out rated exterior walls, are permitted unlimited unprotected exterior openings.
  - 705.8.5, Exc. 1 Vertical separation of openings not required in buildings that are three stories or less above grade plane.

- SECTION 718 CONCEALLED SPACES
  - 718.2 Fireblocking required in combustible construction - N/A for Type IIB
  - 718.3 Draftstopping required in combustible construction - N/A for Type IIB

- SECTION 720 THERMAL- AND SOUND-INSULATING MATERIALS
  - 720.2 Insulating materials, where concealed as installed in buildings of any type of construction, shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 450.
  - 720.3 insulating materials, where exposed as installed in buildings of any type of construction, shall have a flame spread index of not more than 25 and a smoke developed index of not more than 450.

CHAPTER 8 - INTERIOR FINISHES

- SECTION 803 WALL AND CEILING FINISHES
  - 803.1.2 Interior Wall and Ceiling Finish Materials Tested in Accordance with ASTM E84 or UL 723
  - Interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke developed indices.
  - Class A = Flame spread index 0-25; smoke developed index 0-450.
  - Class B = Flame spread index 26-75; smoke developed index 0-450.
  - Class C = Flame spread index 76-200; smoke developed index 0-450.
  - TABLE 803.13
  - A-3: Class B finish for exit passageways and corridors, Class C for rooms (Sprinklered)
  - A-3: Class A Finish for exit passageways and corridors, Class C for rooms (Not Sprinklered)

- SECTION 804 INTERIOR FLOOR FINISH
  - 804.4.2 The minimum critical radiant flux shall not be less than Class II in Group A.

CHAPTER 9 - FIRE PROTECTION SYSTEMS

- SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
  - 903.2.1.3 Group A-3. Refer to Chapter 8 - Alterations - Level 2, Section 802 Fire Protection for discussion on Work Area automatic sprinkler system (Fire Area 1).

- SECTION 906 PORTABLE FIRE EXTINGUISHERS
  - 906.1 Group A occupancy and areas with flammable or combustible liquids require fire extinguishers.
  - Table 906.3(1) for Class A, Low Hazard: 2-A rated min, max travel 75 feet, Max area per extinguisher 11,250 sf, Max Area per unit of A 3,000 sf.
    - 8,506 sf/3,000 sf = 2.84 or (3) 2-A extinguishers min. required.
    - (3) 2-A extinguishers min. based on travel distance.
  - Table 906.3(2) for Class B, Low Hazard: 5-B rated min, max travel 30'; 10-B rated max. travel 50'
    - (3) 10-B rated min based on travel distance.
  - 906.3.3 Class C, based on class A or B.
    - Total number of extinguishers provided: (3) 2-A/10-B,C min rating.
  - 906.9 Wall hung, Max height 3' 6". Min. floor clearance 4".

CHAPTER 10 - MEANS OF EGRESS

- SECTION 1004 OCCUPANT LOAD
  - Table 1004.5 Occupant load
    Refer to Life Safety Plans (LS-001 & LS-002) for occupant load calculations.

First Floor Work Area Occupant Load:	275 Occupants
Second Floor Work Area Occupant Load:	295 Occupants
Total Work area Occupant Load:	570 Occupants

- SECTION 1005 MEANS OF EGRESS SIZING
  - 1005.3.1 Stairways:
    Egress capacity factor 0.3" per occupant (non-sprinklered)
    Existing stair capacity: 44"/.3 = 146 occupants
  - 1005.3.2 Other egress components:
    Egress capacity factor 0.15" per occupant (sprinklered)
    Egress capacity factor 0.2" per occupant (non-sprinklered)
    Refer to Life Safety Plans (LS-001 & LS-002) for egress component calculations.
  - 1005.5 Distribution of egress capacity.
    Loss of one exit shall not reduce available capacity or width to
    less than 50% or required - complies

- SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
  - Table 1006.2.1. Spaces with one exit - Group A: Max 49 occupants - 2 exits required.
  - Table 1006.2.1. Maximum Common Path of Egress Travel - Group A: 75 feet
  - Table 1006.3.2 1-500 occupants, minimum two exits required - 3 exits provided on first floor, 5 exits provided on second floor.

- SECTION 1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION
  - 1007.1.1 Exit doorway configurations
    1/2 of overall diagonal distance areas served - complies
- SECTION 1009 ACCESSIBLE MEANS OF EGRESS.
  - 1009.1 Accessible means of egress required
    When 2 or more means of egress required, provide min. of 2 accessible means of egress.

- SECTION 1010 DOORS
  - 1010.1.1 Size of doors: 32" min, 48" max. Door height 80" min.
    1010.1.1.1 Projections into clear width: none below 34". Max 4" above 34"
    Exc. Closers allowed above 78"
  - 1010.1.2 Door swing: pivoted or hinged
  - 1010.1.2.1 Direction of swing: Doors shall swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons.
  - 1010.1.3 Door opening force: 5 lbs. max.
- SECTION 1011 STAIRWAYS
  - 1011.2 Minimum width 44"
  - 1011.3 Minimum headroom clearance of 80" from edge of nosings.
  - 1011.5.2 Stair riser heights shall be 7" maximum and 4" minimum. Stair tread depths shall be 11" minimum.
  - 1011.8 A flight of stairs shall not have a vertical rise greater than 12 feet between floor levels or landings.

- SECTION 1014 HANDRAILS
  - 1014.2 Height of 34" to 38" above tread nosing edge or finished surface of ramp.
  - 1014.3 Handrail graspability.
    Comply with Type I handrail in 1014.3.1
  - 1014.6 Handrails to return to a wall
    Extend horizontally 12" past top riser, and on slope for the depth of one tread, past the bottom riser.
  - 1014.7 Clear space of 1 ½" from handrail to the wall
  - 1014.8 Clear space between handrails at accessible route 36" minimum.
    Projections into the required width max. 4 ½" at each side, at or below handrail height

- SECTION 1015 GUARDS
  - 1015.2 Required when elevated walking surfaces are higher than 30" above adjoining grade, within 36" from the edge of elevated surface.
  - 1015.3 Height: 42"
  - 1015.4 Max opening not to allow passage of 4" sphere
    Exc. 3, at access for mechanical, or electrical, or other systems, Max opening not to allow passage of 21" sphere
  - 1015.6 Guards required where components that require servicing are located within 10 feet of a roof edge.

- SECTION 1017 EXIT ACCESS TRAVEL DISTANCE.
  - Table 1017.2
    Group A: 200' travel distance without sprinkler - Complies

- SECTION 1020 CORRIDORS
  - Table 1020.1 Corridor Fire-Resistance Rating
    Group A: 1 hour
  - Table 1020.2 Minimum Corridor Width
    24" Access to mechanical, plumbing or electrical systems.
    36" With and occupant load of less than 50.
    44" All other corridors. (72" provided)
  - 1020.4 Dead Ends
    Maximum of 20' for non-sprinklered buildings. (Refer also to Chapter 8 - Alterations - Level 2, Section 805.1 of the Existing Building Code of NYS.)

- SECTION 1023 INTERIOR EXIT STAIRWAYS AND RAMPS
  - 1023.2 Interior exit stairway and ramp enclosures shall have a fire resistance rating of not less than 2 hours where connecting four stories or more and not less than 1 hour where connecting less than four stories.

CHAPTER 11 -ACCESSIBILITY

- SECTION 1104 ACCESSIBLE ROUTE
  - 1104.4 At least one accessible route shall connect each accessible story in multilevel buildings.
  - 1105.1 At least 60 percent of all public entrances shall be accessible.
  - 1109.2 Each toilet room and bathing room shall be accessible.
  - 1109.2.2 Where water closet compartments are provided in a toilet room or bathing room, at least 5 percent of the total number of compartments shall be wheelchair accessible.
  - 1109.2.3 Where lavatories are provided, at least 5 percent, but not less than one, shall be accessible.
  - 1109.3 Where sinks are provided, at least 5 percent, but not less than one provided in accessible spaces shall be accessible.
  - 1109.5.1 Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

CHAPTER 12 - INTERIOR ENVIRONMENT

- SECTION 1207 INTERIOR SPACE DIMENSIONS
  - 1207.1 Minimum Room Widths
    Habitable spaces, other than a kitchen, shall be not less than 7'-0" in any plan dimension.
  - 1207.2 Minimum ceiling heights
    7'-6" for habitable spaces and corridors.
    7'-0" for bathrooms, kitchens, storage rooms and laundry rooms.
  - 1207.2.1 Furred ceiling
    Up to 2/3 of the room may be furred down, but no lower than 7'-0".

CHAPTER 15 - ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

- SECTION 1502 ROOF DRAINAGE
  - 1502.1 Roof drainage shall comply with the Plumbing Code of NYS.
  - 1502.2 Secondary (overflow) drains shall comply with the Plumbing Code of NYS.
  - 1502.3 Scuppers if utilized, min. 4" in any dimension, to prevent water accumulation in the quantity exceeding that for which roof was designed for structurally.

- SECTION 1503 WEATHER PROTECTION
  - 1503.2.1 Flashing if made of metal minimal thickness 0.019 inch
  - 1503.5 Crickets required on the upside of any obstruction exceeding 30" in width.

- SECTION 1505 FIRE CLASSIFICATION
  Table 1505.1 - Construction Type IIB & VB: Min class C.

CHAPTER 16 - STRUCTURAL DESIGN (Only pertaining to architectural design; see structural drawings for main structural building support code and analysis)

- SECTION 1607 LIVE LOADS
  - 1607.8.1 Handrails and guards to resist linear load of 50 plf
  - 1607.8.1.1 Handrails and guards to resist concentrated load of 200 lbs.
  - 1607.8.1.2 Intermediate rails, balusters and infill panels shall resist a concentrated load of 50 lbs.
  - 1607.8.2 Grab bars and shower seats shall resist a concentrated load of 250 lbs. applied in any direction at any point.
  - 1607.9 Vehicle barriers shall resist a concentrated load of 6000 lbs.

CHAPTER 24 - GLASS AND GLAZING

- SECTION 2403 GENERAL
  - 2403.1 Each pane shall bear the manufacturer's mark designating the type and thickness of the glass or glazing material. The identification shall not be omitted unless approved and an affidavit is provided.

- SECTION 2406 SAFETY GLAZING
  - 2406.4 Hazardous locations of glazing requiring safety glazing (Category II per CPSC 16 CFR Part 1201)
  - 2406.4.1 Doors, in all fixed and operable panels unless opening is less than 3"
    2406.4.2 Walls, within 24" of operable doors (up to 5' in height)
    2406.4.3 Windows, exposed individual pane of glass larger than 9 sf,
    and, bottom edge is less than 18" above floor, and top edge is higher than 36" above floor, and walking surface is within 36" from glazing.
    Exception: If horizontal rail is installed in front of glazing.
    2406.4.4 Guards and railings, regardless of area or height above walking surface.
    2406.4.5 Glazing in walls, enclosures or fences containing or facing hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers and swimming pools where the bottom exposed edge of the glazing is less than 60" above any standing or walking surface.
    2406.4.6 Glazing where the bottom exposed edge is less than 60" above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps.
    2406.5 Fire dept access panels.

CHAPTER 29 - PLUMBING SYSTEMS

- SECTION 2902 MINIMUM PLUMBING FACILITIES
  - Table 2902.1 minimum number of required plumbing fixtures
    Based on 570 occupants (285 Female, 285 Male)
    Water Closets: 1/125 (Male), 1/65 (Female)
    Urinals may be substituted for up to 67 percent of WCs in Group A.
    Lavatories: 1/200 (Male), 1/200 (Female)
    Drinking Fountains: 1/500

Required	WC	Urinals	Lavatories	DF
Total	5F/3M	0	2F/2M	2

Provided	WC	Urinals	Lavatories	DF
	5F/2M	4	4F/4M	3

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (Based on IECC 2018)

CHAPTER 1 SCOPE AND ADMINISTRATION

- SECTION C106 INSPECTIONS
  - C106.2.1 Footing and foundation inspection: Location, R-value, thickness depth of burial and protection of insulation.
  - C106.2.2 Thermal Envelope inspection: Location, type, R-value of insulation and U-factor, SHGC and VT of fenestration.
  - C106.2.3 Plumbing rough-in inspection: Type of insulation, R-values and controls.
  - C106.2.4 Mechanical rough-in inspection: HVAC equipment, insulation and controls.
  - C106.2.5 Electrical rough-in inspection: Lighting system controls and electric meters.
  - C106.2.6 Final inspection: Building commissioning per C408.2.4.
  - C106.2.6.1 HVAC system certification by design professional of inspections, functionality, and calibrations.

CHAPTER 2 DEFINITIONS

- SECTION C202 GENERAL DEFINTIONS
  - Commercial Buildings are all buildings not defined as Residential Buildings.

This building is a Commercial Building for the purposes of ECCCNYS

CHAPTER 3 GENERAL REQUIREMENTS

- SECTION C301 CLIMATE ZONES
  - Table C301.1: Climate Zone 4A (Westchester County)

- SECTION C302 DESIGN CONDITIONS
  - C302.1 Interior design conditions: Max of 72 degrees F for heating and minimum of 75 degrees F for cooling.

- SECTION C303 MATERIALS, SYSTEMS and EQUIPMENT
  - C303.1.1 Insulation to carry R-value on the material. For sprayed-on insulation, installer to provide a Certificate.
  - C303.1.3 Fenestration U-factors, SHGC and VT have been determined and shall be labeled and certified by the manufacturer. Products lacking U-factors label shall be assigned a default U-factor from Table C303.1.3(1) or Table C303.1.3(2).

TABLE C303.1.3(1) DEFAULT GLAZED FENESTRATION *U*-FACTORS

FRAME TYPE	SINGLE	DOUBLE	SKYLIGHT
Single Metal	1.20	0.80	2.00
Thermal Break	1.10	0.65	1.90
Nonmetal or Metal Clad	0.95	0.55	1.75
LOS Glazed Block	0.60		

TABLE C303.1.3(2) DEFAULT DOOR *U*-FACTORS

DOOR TYPE	*U*-FACTOR
Uninsulated Metal	1.20
Insulated Metal (Rolling)	0.90
Insulated Metal (Other)	0.60
Wood	0.50
Insulated, nonmetal edge, max 45% glazing, any glazing double pane	0.35

C303.2.1 Foundation insulation, where applicable, shall have rigid, opaque weather-resistant protective covering and the protective covering shall extend not less than 6" below grade.

CHAPTER 4 COMMERCIAL ENERGY EFFICIENCY

- SECTION C401 GENERAL
  - C401.2 Prescriptive Compliance Path: C402-C405, C-406, C408.

  - Table C402.1.4 Opaque Thermal Envelope Assembly Maximum Requirements, U-Factor Method
    Highlighted are values met or exceeded in the building design.

All Groups other than R:	Required	**PROVIDED**
ROOF		
- Insul above roof deck:	U-0.032	**N/A**
WALLS ABOVE GRADE		
- Mass wall:	U-0.104	**N/A**
SLAB ON GRADE-UNHEATED:	F-0.54	**N/A**
OPAQUE DOORS-SWINGING:	U-0.61	**N/A**
GARAGE DOORS <14% GLAZING:	U-0.31	**N/A**

  - C402.2.1 Multiple layers of continuous roof insulation shall be installed per manufacturer's instructions, or in absence of instructions, the layers shall be staggered.
  - Table C402.3 Minimum Roof Reflectance and Emittance Options
    Three-year-aged solar reflectance index of 55 and 3-year aged thermal emittance of 0.75.
    Three-year-aged solar reflectance index of 64.
  - Table C402.4 Building Envelope Fenestration Maximum U-Factor and SHGC Requirements (Climate Zone 4)

U-Factors:	Max. Values	**Provided**
FIXED FENESTRATION	U-0.38	**U-0.38**
ENTRANCE DOORS	U-0.77	**U-0.77**

SHGC	Max SHGC	**Provided**
PF < 0.2	0.36	**0.36**

  - C402.4.1 Maximum vertical fenestration area permitted 30% - Complies.
  - C402.5.1 Continuous air-barrier is mandatory, with joints and seams sealed and all penetrations of air barrier caulked or gasketed.
  - C402.5.1.2.1 Air barrier materials require permeability less than 0.004 cfm/sf.
  - Table C402.5.2 Maximum Air Leakage Rate for Fenestration Assemblies

Assembly	Max. CFM/SF	**Provided**
WINDOWS	0.20	**N/A**
SWINGING DOORS	0.20	**N/A**
STOREFRONT GLAZING	0.06	**0.06**
GLAZED SWINGING ENTRANCE DOORS	1.00	**1.00**
GARAGE DOORS	0.40	**N/A**

  - C402.5.5 Air intakes, exhausts and vents integral to the building envelope shall be provided with dampers in accordance with C403.7.7.
  - C402.5.7 Vestibules to exterior required, except from spaces less than 3,000 sf, doors to mechanical or electrical rooms, doors used primarily to facilitate vehicular movement and adjacent personnel doors.
  - C402.5.8 Recessed lighting in the exterior thermal envelope shall be IC rated, air leakage under 2 cfm, sealed to interior wall or ceiling.

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Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
CODE SUMMARY

Project Number:	Responsible Party:	Reviewed By:
24012	-	DC

Scale:
AS NOTED

Drawing Number:
G-001

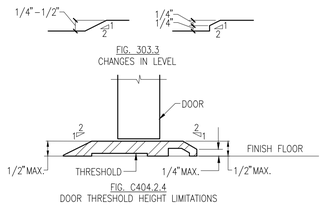


FIG. 303.3
CHANGES IN LEVEL

FIG. C404.2.4
DOOR THRESHOLD HEIGHT LIMITATIONS

303 G-010 CHANGES IN LEVEL

SCALE: N.T.S.

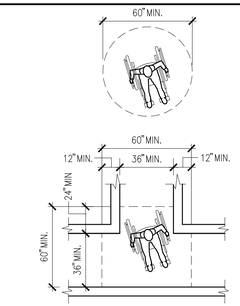


FIG. 304.3
SIZE OF TURNING SPACE

304 G-010 TURNING SPACE

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

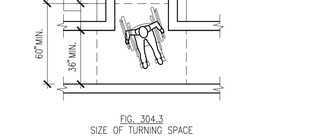


FIG. 305.5
POSITION OF CLEAR FLOOR SPACE

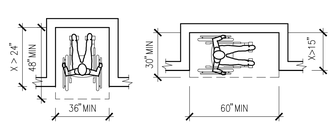


FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

305 G-010 CLEAR FLOOR SPACE

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

309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS (22.2N) MAXIMUM.

309 G-010 OPERABLE PARTS

SCALE 1/4"=1'-0"

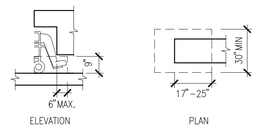


FIG. 306.2
TOE CLEARANCE

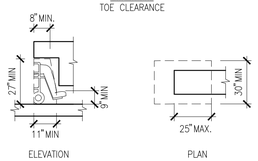


FIG. 306.3
KNEE CLEARANCE

SEE SECTIONS 602,603,604 FOR ADDITIONAL CLEARANCES

306 G-010 KNEE & TOE CLEARANCE

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

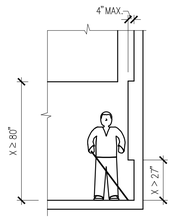
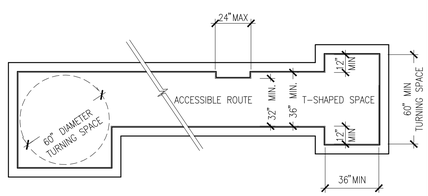


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

SECTION 307.5–PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES

307 G-010 PROTRUDING OBJECTS

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



ALL FINISHES MUST BE INCLUDED IN CALCULATING MINIMUM CLEARANCES. MEASURE FROM NEAREST FINISH SURFACE TO NEAREST FINISH SURFACE, I.E. BASEBOARD TO BASEBOARD.

ACCESSIBLE ROUTES OF TRAVEL MUST BE FREE OF OBSTRUCTIONS AND MAY BE REDUCED TO 32"MIN. FOR A MAXIMUM DISTANCE OF 24".

A WHEELCHAIR TURNING SPACE MUST BE PROVIDED CONSISTING OF EITHER A 60" DIAMETER CIRCLE OR A "T" SHAPED INTERSECTION WITHIN A 60"MIN. SQUARE WITH ARMS AND BASE 36" WIDE MIN. EACH ARM OF THE "T" SHALL BE CLEAR OF OBSTRUCTIONS 12"MIN. IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTION 24"MIN. KNEE AND TOE CLEARANCES ALLOWED ONLY AT THE END OF EITHER THE BASE OR ARM.

402 G-010 ACCESSIBLE ROUTE

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

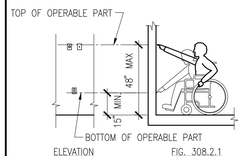


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

ITEMS WITHIN DASHED LINES ARE WITHIN REACH

CLEAR FLOOR SPACE SHALL EXTEND NO MORE THAN 25" UNDER THE OBSTRUCTION

PROVIDE CLEAR FLOOR SPACE AT OPERABLE CONTROLS

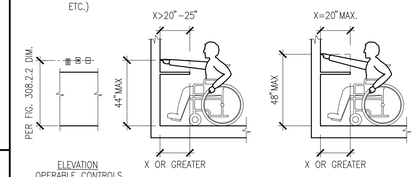


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

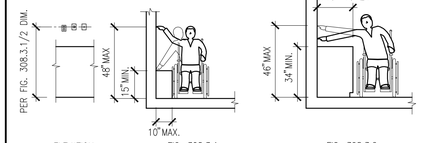


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH
(SEE FIGURE 308.2.1 FOR ELEVATION)

FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

308 G-010 REACH RANGES

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

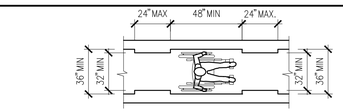


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

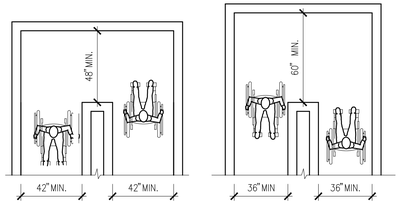


FIG. 403.5.1
CLEAR WIDTH AT TURN
(LEVEL SURFACES – NOT RAMPS)

SECTION 403.3:

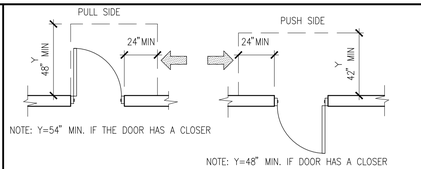
RUNNING SLOPE NOT TO EXCEED 1:20 AND CROSS SLOPE NOT TO EXCEED 1:48

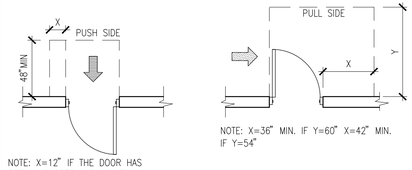
ANY PORTION ON AN ACCESSIBLE ROUTE WITH A SLOPE STEEPER THAN 1:20 IS CONSIDERED A RAMP

SLOPE OF 1:48 IN ANY DIRECTION AT EXTERIOR OF AN ENTRANCE DOOR IS ALLOWED IN ORDER TO FACILITATE DRAINAGE AT DOOR EXTERIOR

403 G-010 WALKING SURFACES

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





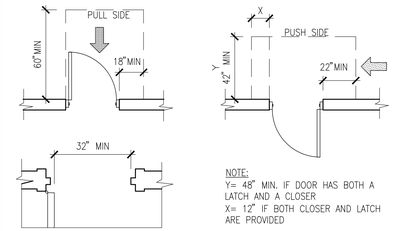


FIG. 404.2.3.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

NOTE:
(404.2.6) DOOR HARDWARE: ALL ACCESSIBLE DOORS, INCLUDING TOILET PARTITION DOORS, TO HAVE LEVER TYPE HANDLES. MAX. DOOR HANDLE HEIGHT TO BE 48" ABOVE FINISHED FLOOR. MAX. HEIGHT FOR COAT HOOKS AT TOILET COMPARTMENTS TO BE 48" AFF.

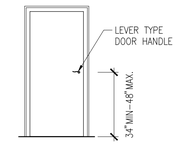


FIG. 404.2.6
TYP. DOOR HANDLE HEIGHT

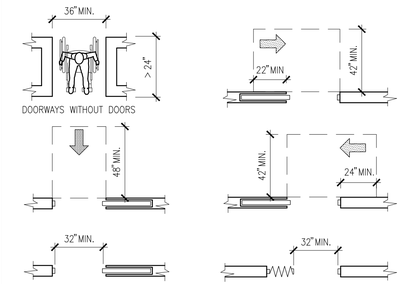


FIG. 404.2.2
MANEUVERING CLEARANCE @ SLIDING & FOLDING DOORS

404 G-010 DOORS & DOORWAYS

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

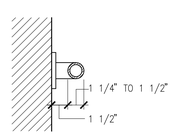
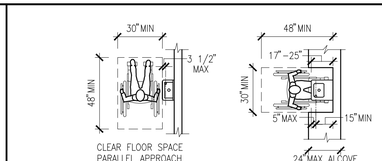


FIG. B4.24.2.1
SIZE AND SPACING OF GRAB BARS

505 G-010 HANDRAILS

SCALE: N.T.S.



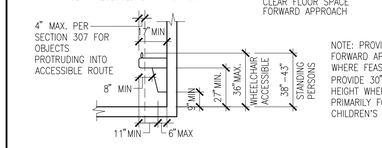
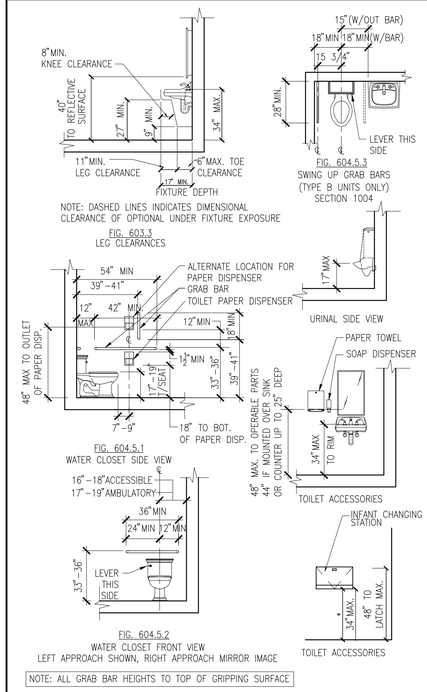


FIG. 602.51
CANTILEVERED DRINKING FOUNTAINS AND WATER COOLERS SPOUT HEIGHT & LEG CLEARANCE

602 G-010 DRINKING FOUNTAINS

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



603/04 G-010 WATER CLOSETS & LAVATORIES

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

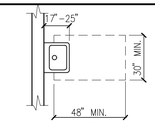


FIG. 606.2
CLEAR FLOOR SPACE @ LAVATORIES AND SINKS

NOTE: 606.6 EXPOSED PIPES & SURFACES
WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED AND OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.

SEE SECTION 606 FOR ADDITIONAL INFO FOR CHILDREN'S LAVATORIES AND SINKS

606 G-010 LAVATORIES & SINKS

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

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X — INDICATES REQUIRED DIMENSION
X – X — INDICATES REQUIRED DIMENSION RANGE
INDICATES DIRECTION OF APPROACH
BOUNDARY OF CLEAR FLOOR AREA
℄ INDICATES CENTERLINE
INDICATES REFERENCED ANSI A117.1 SECTION
X G-010 TITLE SCALE:

Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
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	06-19-2026	ISSUED FOR BID	

Drawing:
CABO-ANSI A117.1 STANDARDS-COMMERCIAL

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24012	FJ	DC

Scale:
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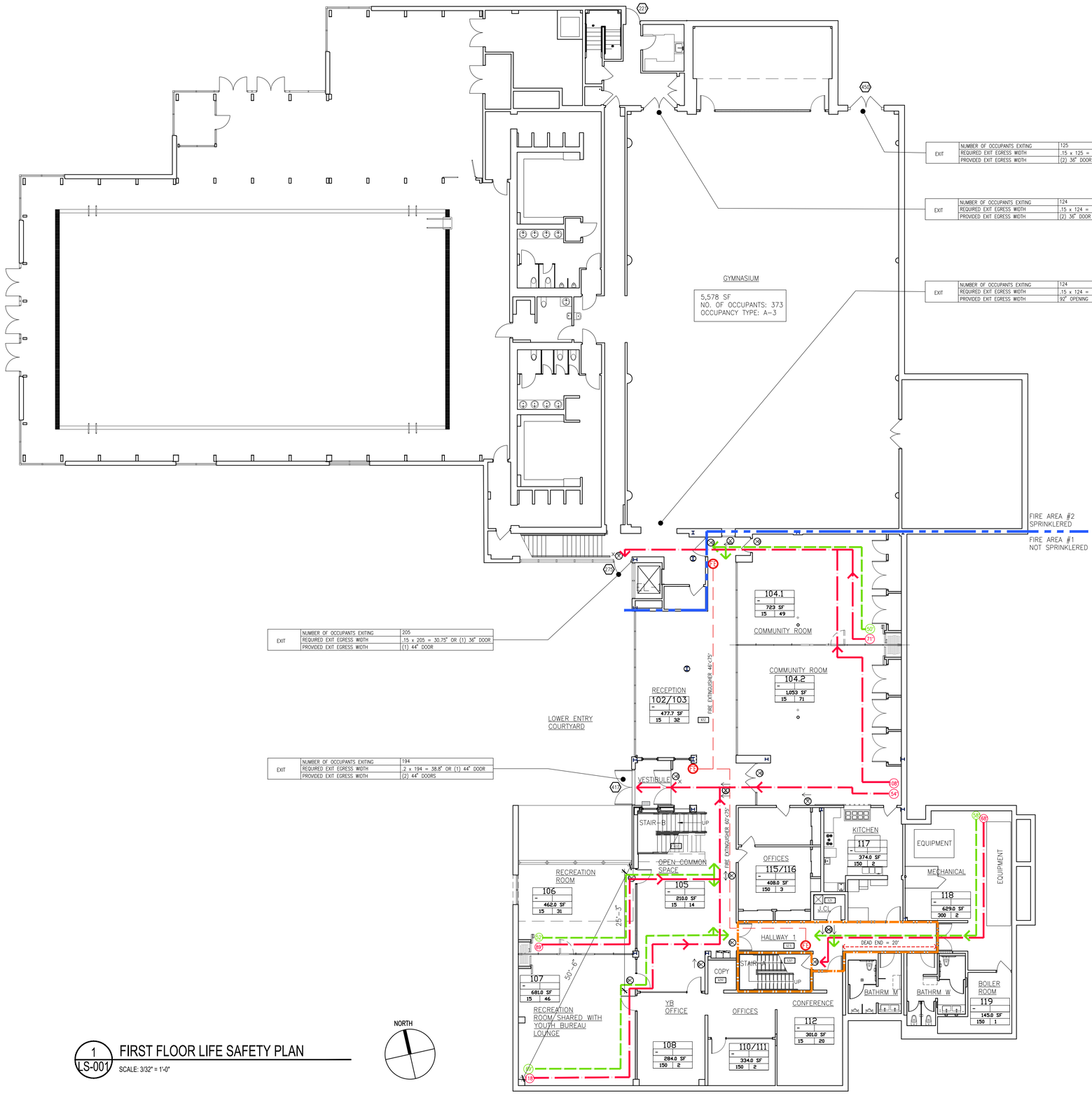
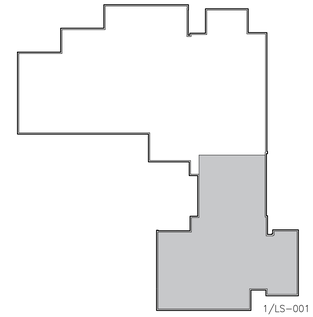
Drawing Number:
G-002



1 LS-001 FIRST FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"



2 A-102 KEY PLAN

SCALE: N.T.S.

LEGEND:

- EXIT SIGN
- TRAVEL DISTANCE OR COMMON PATH OF TRAVEL IN FEET
- COMMON PATH OF EXIT
- TRAVEL DISTANCE
- MAXIMUM NUMBER OF OCCUPANTS PERMITTED AT EXIT
  0.15" PER OCCUPANT SPRINKLERED BUILDING
  0.20" PER OCCUPANT NON-SPRINKLERED BUILDING
- RM# ROOM NUMBER
  F.F.E. FINISHED FLOOR ELEVATION
  X S.F. SQUARE FOOTAGE OF ROOM
  X X NUMBER OF OCCUPANTS
  OCCUPANT LOAD FACTOR
- FE FIRE EXTINGUISHER
- TRAVEL DISTANCE TO EXTINGUISHER (NO VOIDS)
- ONE HOUR RATED WALL
- TWO HOUR RATED WALL

MIN. NUMBER OF EXTINGUISHERS:

OCC A-3 REQUIRED : 2 DRY CHEMICAL ABC
W/ MIN. RATING 2-A/10-B,C
MAX FLOOR AREA PER UNIT OF A= 3000SF
PROVIDED : 3 W/ RATING 2-A/10-B.C
MAX. TRAVEL DIST: R 75'-0"

MOUNTING CLEARANCES: TOP: MAX. 3'-6" ABOVE FLOOR
BOTTOM: MIN. 4" ABOVE FLOOR.

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Drawing:
FIRST FLOOR LIFE SAFETY PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
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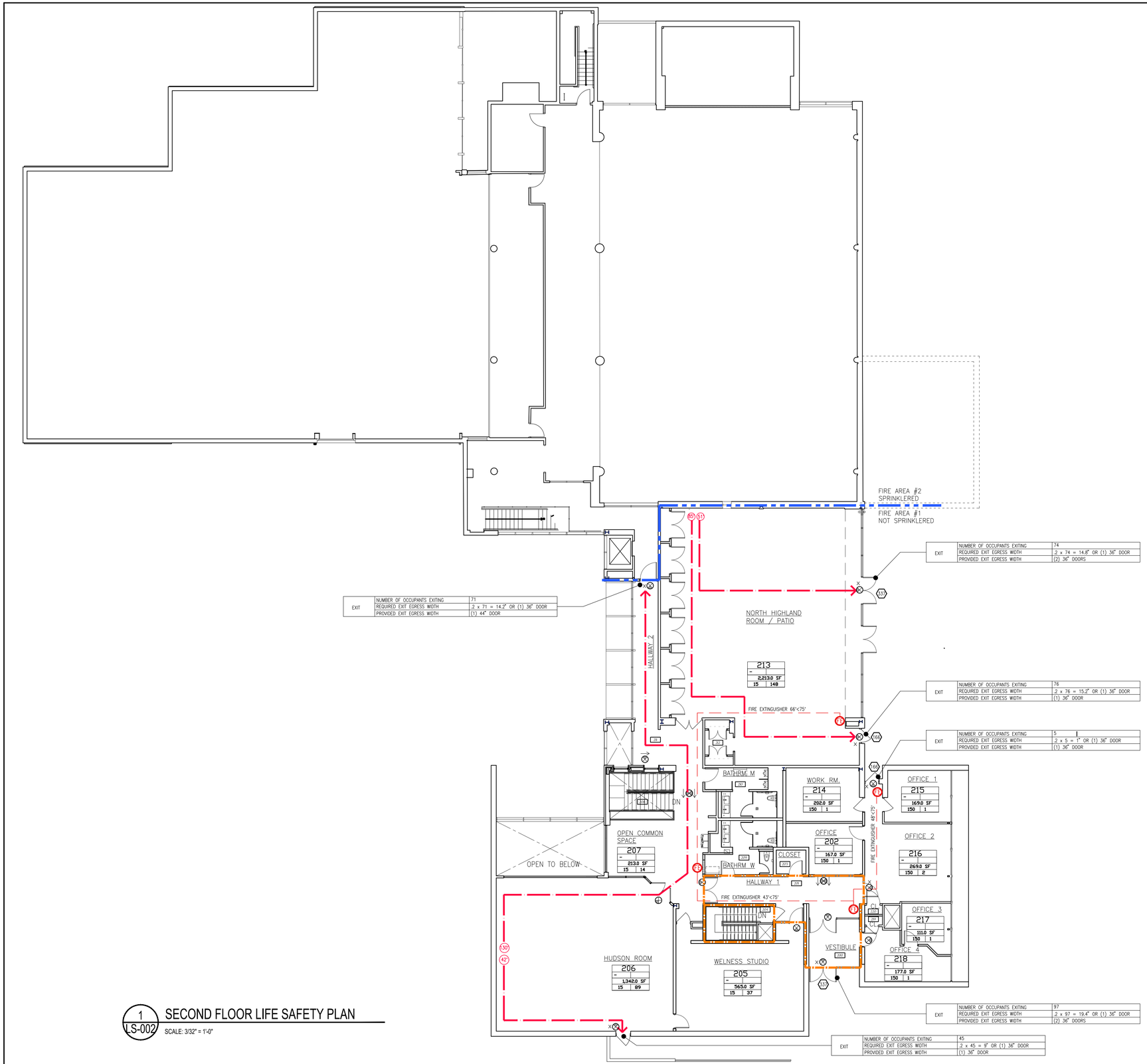
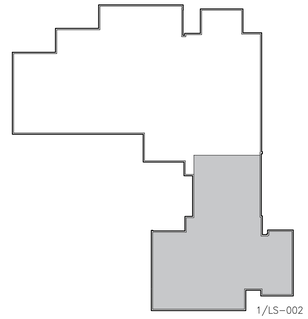
Drawing Number:
LS-001



1 / LS-002 SECOND FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"



2 / A-102 KEY PLAN

SCALE: N.T.S.

LEGEND:

- NEW EXIT SIGN
- TRAVEL DISTANCE OR COMMON PATH OF TRAVEL IN FEET
- COMMON PATH OF EXIT
- TRAVEL DISTANCE
- MAXIMUM NUMBER OF OCCUPANTS PERMITTED AT EXIT
  0.15" PER OCCUPANT SPRINKLERED BUILDING
  0.20" PER OCCUPANT NON-SPRINKLERED BUILDING
- RM# — ROOM NUMBER
- F.F.E. — FINISHED FLOOR ELEVATION
- X S.F. — SQUARE FOOTAGE OF ROOM
- X — NUMBER OF OCCUPANTS
- X — OCCUPANT LOAD FACTOR
- FE — FIRE EXTINGUISHER
- TRAVEL DISTANCE TO EXTINGUISHER (NO VOIDS)
- ONE HOUR RATED WALL
- TWO HOUR RATED WALL

PORTABLE FIRE EXTINGUISHER NOTES:

MIN. NUMBER OF EXTINGUISHERS:

OCC A-3 REQUIRED : 2 DRY CHEMICAL ABC
W/ MIN. RATING 2-A/10-B,C
MAX FLOOR AREA PER UNIT OF A= 3000SF

PROVIDED : 4 W/ RATING 2-A/10-B,C
MAX. TRAVEL DIST: R 75'-0"

NORTH

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Drawing:
SECOND FLOOR LIFE SAFETY PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
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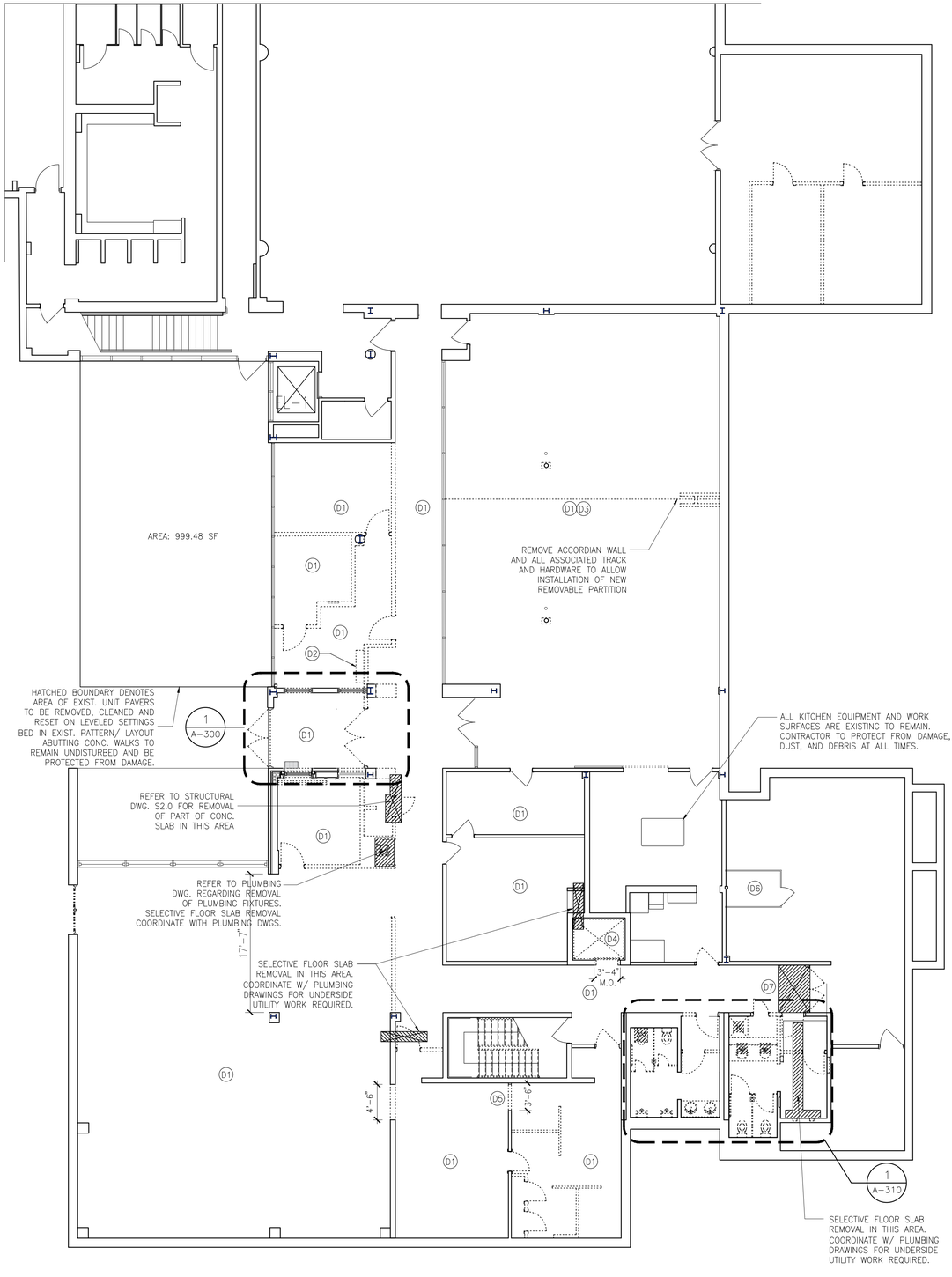
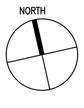
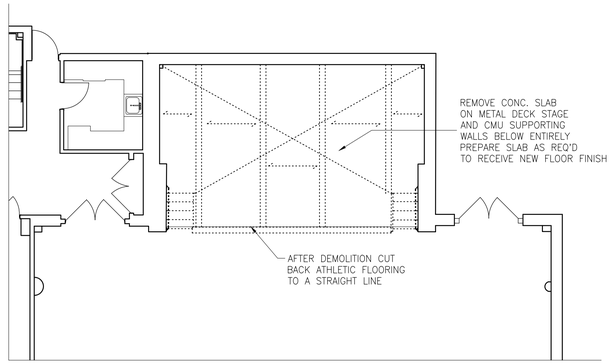
Drawing Number:
LS-002



1 AD-101 PARTIAL FIRST FLOOR DEMO. PLAN

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





2 AD-101 PARTIAL FIRST FLOOR DEMO. PLAN

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

DEMO NOTES

D1 REMOVE EXISTING FINISH FLOOR THROUGHOUT.

D2 REMOVE AND SALVAGE ROLLER SHUTTER SYSTEM

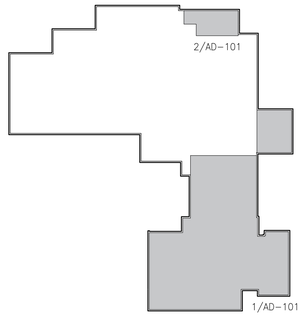
D3 REMOVE EXISTING RAIL CHAIR ON WALLS/ COLUMNS

D4 REMOVE EXISTING ELEVATOR

D5 REMOVE WALL TO STRUCTURE ABOVE

D6 REMOVE ALL ELEV. MECH EQUIPMENT. REMOVE CAGE

D7 REMOVE FLOOR FINISH AS INDICATED



KEY PLAN

SCALE: N.T.S.

LEGEND	
EL. 0'-0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	PART OF EXISTING SLAB TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR AND FRAME TO BE REMOVED

GENERAL DEMOLITION NOTES:

1. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO THE REMOVAL OF ANY EXISTING MATERIALS. IF THERE IS REASON TO SUSPECT THAT ANY MATERIAL MAY CONTAIN ASBESTOS, THE WORK SHALL STOP IMMEDIATELY. WORK MAY RESUME ONLY AFTER APPROPRIATE INVESTIGATION, TESTING, AND WRITTEN CLEARANCE HAVE BEEN ISSUED BY QUALIFIED PERSONNEL.

2. DASHED LINES INDICATE EXISTING PARTITIONS, DOORS/ FRAMES, MILLWORK, AND OTHER ITEMS SCHEDULED FOR REMOVAL. THE GENERAL CONTRACTOR SHALL VERIFY ALL SUCH ITEMS AND COORDINATE THEIR SALVAGE FOR POTENTIAL REUSE OR RETURN TO THE OWNER.

3. UPON REMOVAL OF PARTITIONS, REMOVE ALL EXISTING OUTLETS, JACKS, SWITCHES, CONDUIT, AND MISCELLANEOUS WALL-MOUNTED COMPONENTS, UNLESS OTHERWISE NOTED (U.O.N.).

4. REFER TO THE STRUCTURAL, MEP, AND FIRE PROTECTION DRAWINGS FOR ANY ADDITIONAL DEMOLITION SCOPE. THE GENERAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING ALL DEMOLITION ACTIVITIES AND FOR EXECUTING ALL CUTTING AND PATCHING NECESSARY TO ACCOMMODATE ALL TRADES.

5. REMOVE ONLY THE ELEMENTS SHOWN OR REASONABLY IMPLIED FOR DEMOLITION. PROTECT ALL EXISTING CONSTRUCTION THAT IS TO REMAIN. THE CONTRACTOR MUST REPAIR ANY DAMAGE, INCLUDING DAMAGE OUTSIDE THE CONSTRUCTION LIMITS CAUSED BY DEMOLITION.

6. REMOVE EXISTING FLOOR FINISHES AT LOCATIONS INDICATED, INCLUDING COMPLETE REMOVAL OF ALL ASSOCIATED PADDING, ADHESIVES, GROUT, AND RELATED MATERIALS TO ACHIEVE A SMOOTH, UNIFORM SUBSTRATE. PREPARE ALL SURFACES TO RECEIVE NEW FLOOR FINISHES IN FULL COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS AND INSTALLATION GUIDELINES.

7. ALL SWITCHES, OUTLETS, FIRE ALARM EQUIPMENT, AND ANY OTHER ITEMS TEMPORARILY REMOVED FOR THE WORK MUST BE REINSTALLED IN THEIR ORIGINAL POSITIONS AFTER THE NEW WALL OR FLOOR FINISHES ARE INSTALLED, U.N.O.

8. IF CONDITIONS NOT SPECIFIED IN CONTRACT DOCUMENTS FOUND DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO ANY ACTION IN RELATION TO NOT SPECIFIED CONDITION.

9. REFER TO RCP DEMOLITION DRAWINGS FOR CEILING REMOVAL. REFER TO ENLARGED PLANS FOR DEMOLITION WORK IN THE AREAS SHOWN.

10. REFER TO THE ARCHITECTURAL CONSTRUCTION FLOOR PLANS FOR THE PROPOSED LAYOUT AND SCOPE OF WORK, WHICH CLARIFY THE FULL EXTENT OF DEMOLITION REQUIRED.

11. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND RUBBISH ON A DAILY BASIS AND ENSURE THAT ALL AREAS ARE LEFT BROOM-CLEAN UPON COMPLETION OF DEMOLITION ACTIVITIES.

12. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A DUST-PROOF CONSTRUCTION BARRIER SEPARATING DEMOLITION AREAS FROM BUILDING AREAS OUTSIDE THE PROJECT SCOPE.

13. AFTER REMOVAL OF EXISTING WALLS, THRESHOLDS, DOORS, SILLS, SOFFITS AND OTHER FEATURES, CONTRACTOR SHALL REPAIR EXISTING WALLS, FLOORS, CEILINGS AND SOFFITS, TO FINISH TO MATCH EXISTING ADJOINING WALLS, FLOORS, CEILINGS, SOFFITS AND OTHER FEATURES.

14. REMOVE TACK BOARDS, NOTICE BOARDS, SANITIZING DEVICES THROUGHOUT.

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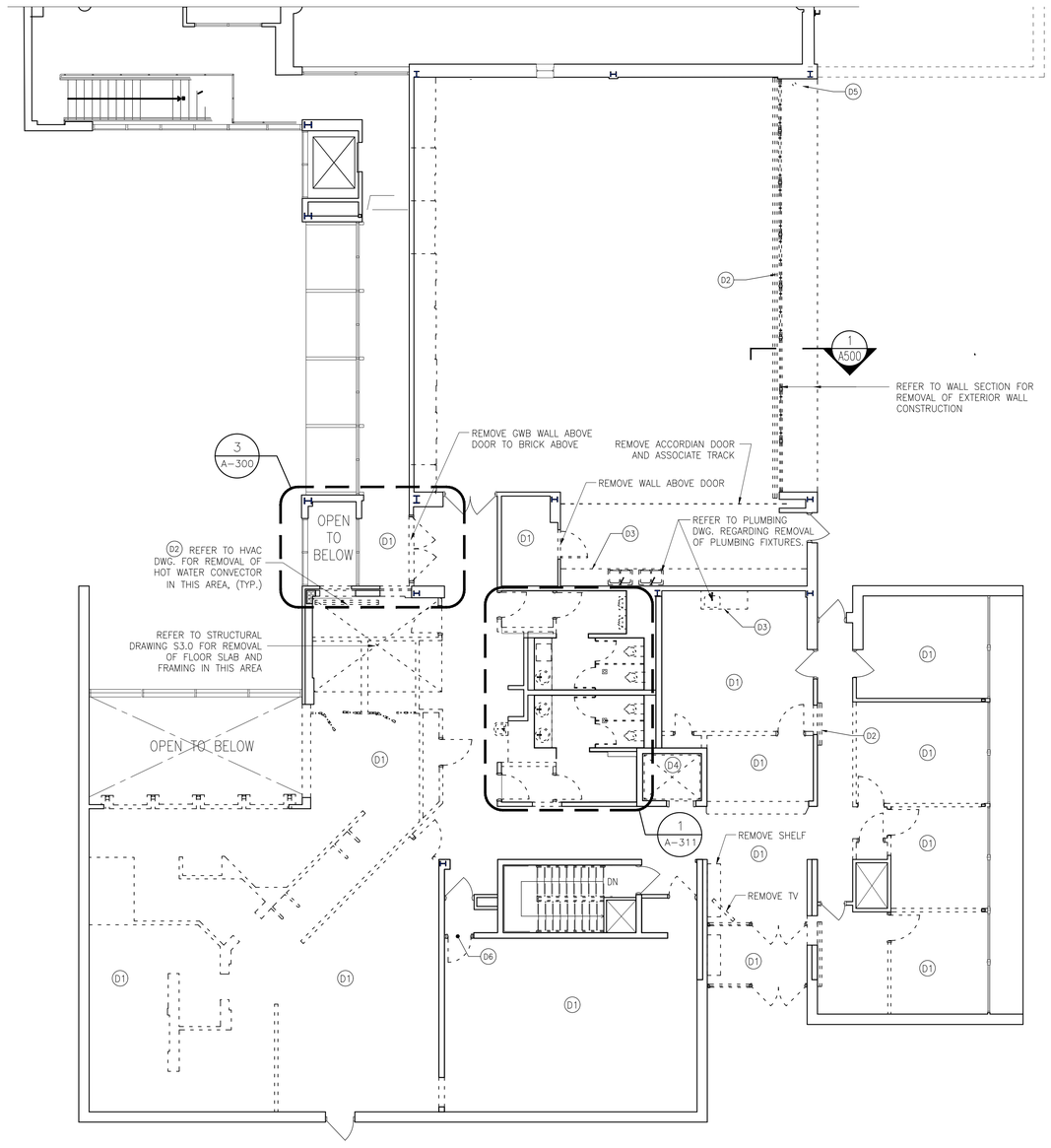
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

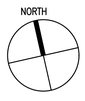
Drawing:
FIRST FLOOR DEMOLITION PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	AJ	JK

Scale:
AS NOTED

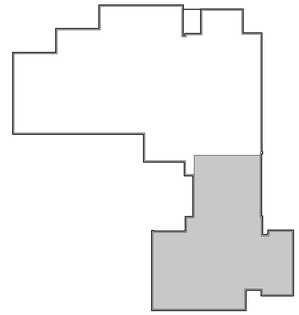
Drawing Number:
AD-101





1 AD-102 SECOND FLOOR DEMO. PLAN

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



KEY PLAN

SCALE: N.T.S.

LEGEND	
EL. 12'-0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR AND FRAME TO BE REMOVED

DEMO NOTES

D1 REMOVE EXISTING FINISH FLOOR/ BASE WALL THROUGHOUT.

D2 REMOVE EXISTING HOT WATER CONVECTOR REFER TO PLUMBING DRAWINGS.

D3 REMOVE MILLWORK.

D4 REMOVE EXISTING ELEVATOR.

D5 REMOVE/ RELOCATE EXISTING PIPE. REFER TO PLUMBING DRAWINGS FOR MORE DETAILS.

D6 REMOVE MASONRY TO UNDERSIDE OF STRUCTURE ABOVE.

GENERAL DEMOLITION NOTES:

1. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO THE REMOVAL OF ANY EXISTING MATERIALS. IF THERE IS REASON TO SUSPECT THAT ANY MATERIAL MAY CONTAIN ASBESTOS, THE WORK SHALL STOP IMMEDIATELY. WORK MAY RESUME ONLY AFTER APPROPRIATE INVESTIGATION, TESTING, AND WRITTEN CLEARANCE HAVE BEEN ISSUED BY QUALIFIED PERSONNEL.

2. DASHED LINES INDICATE EXISTING PARTITIONS, DOORS/ FRAMES, CASEWORK, EQUIPMENT, AND OTHER ITEMS SCHEDULED FOR REMOVAL. THE GENERAL CONTRACTOR SHALL VERIFY ALL SUCH ITEMS AND COORDINATE THEIR SALVAGE FOR POTENTIAL REUSE OR RETURN TO THE OWNER.

3. UPON REMOVAL OF PARTITIONS, REMOVE ALL EXISTING OUTLETS, JACKS, SWITCHES, CONDUIT, AND MISCELLANEOUS WALL-MOUNTED COMPONENTS, UNLESS OTHERWISE NOTED (U.O.N.).

4. REFER TO THE STRUCTURAL, MEP, AND FIRE PROTECTION DRAWINGS FOR ANY ADDITIONAL DEMOLITION SCOPE. THE GENERAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING ALL DEMOLITION ACTIVITIES AND FOR EXECUTING ALL CUTTING AND PATCHING NECESSARY TO ACCOMMODATE ALL TRADES.

5. PROTECT ALL EXISTING CONSTRUCTION THAT IS TO REMAIN. THE CONTRACTOR MUST REPAIR ANY DAMAGE, INCLUDING DAMAGE OUTSIDE THE CONSTRUCTION LIMITS CAUSED BY DEMOLITION.

6. REMOVE EXISTING FLOOR FINISHES AT LOCATIONS INDICATED, INCLUDING COMPLETE REMOVAL OF ALL ASSOCIATED ADHESIVES, GROUT, AND RELATED MATERIALS TO ACHIEVE A SMOOTH, UNIFORM SUBSTRATE. PREPARE ALL SURFACES TO RECEIVE NEW FLOOR FINISHES IN FULL COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS AND INSTALLATION GUIDELINES.

7. THE CONTRACTOR SHALL COORDINATE ALL MILLWORK DEMOLITION ACTIVITIES WITH THE DESIGNATED REPRESENTATIVE TO ENSURE PROPER SCHEDULING, SAFETY COMPLIANCE, AND MINIMAL DISRUPTION TO ONGOING OPERATIONS.

8. ALL SWITCHES, OUTLETS, FIRE ALARM EQUIPMENT, AND ANY OTHER ITEMS TEMPORARILY REMOVED FOR THE WORK MUST BE REINSTALLED IN THEIR ORIGINAL POSITIONS AFTER THE NEW WALL OR FLOOR WORK ARE INSTALLED, U.N.O.

9. IF CONDITIONS NOT SPECIFIED IN CONTRACT DOCUMENTS FOUND DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO ANY ACTION IN RELATION TO NOT SPECIFIED CONDITION.

10. REFER TO RCP DEMOLITION DRAWINGS FOR CEILING REMOVAL. REFER TO ENLARGED PLANS FOR DEMOLITION WORK IN THE AREAS SHOWN.

11. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND RUBBISH ON A DAILY BASIS AND ENSURE THAT ALL AREAS ARE LEFT BROOM-CLEAN UPON COMPLETION OF DEMOLITION ACTIVITIES.

12. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A DUST-PROOF CONSTRUCTION BARRIER SEPARATING DEMOLITION AREAS FROM BUILDING AREAS OUTSIDE THE PROJECT SCOPE.

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REVISIONS

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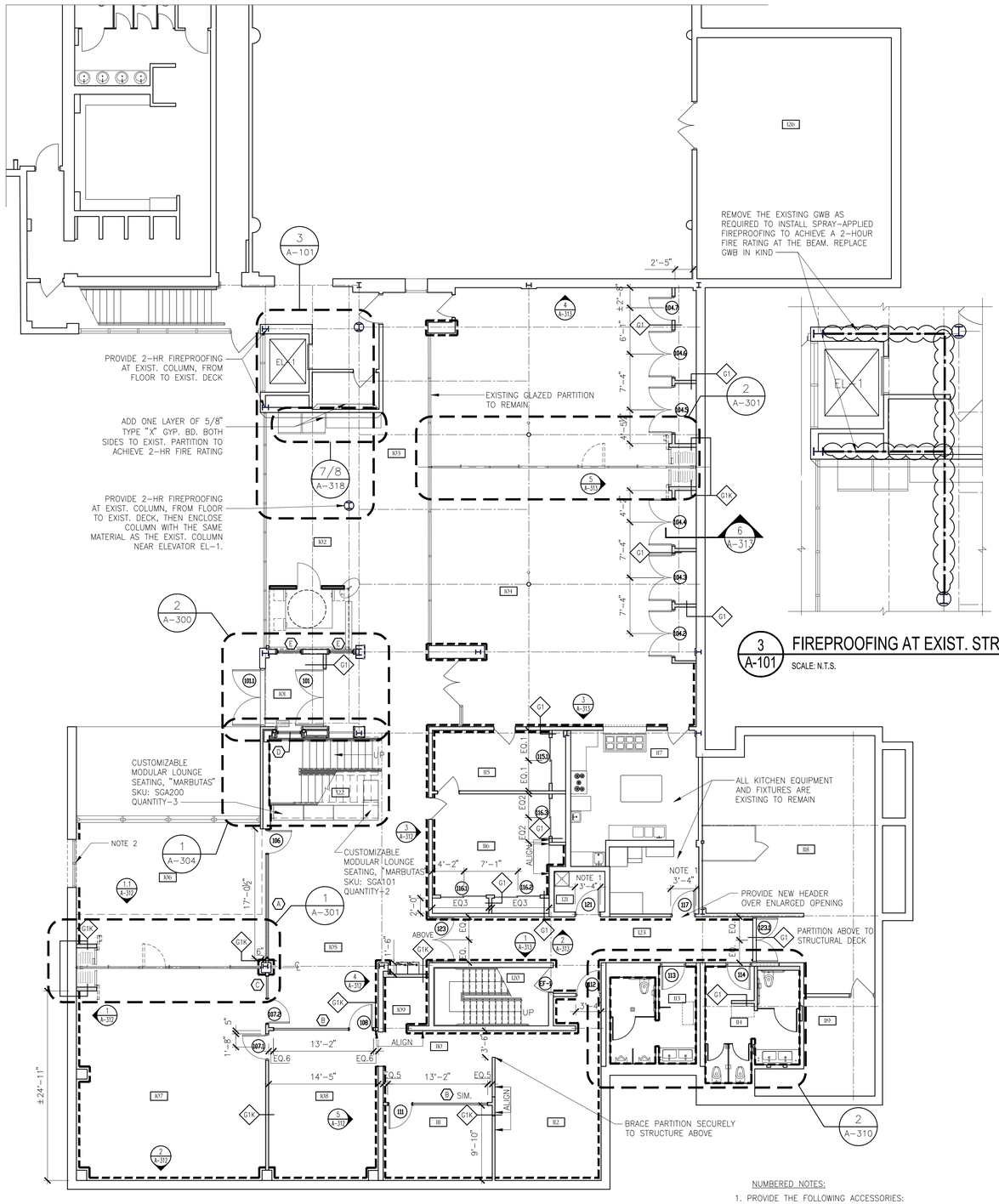
	06-19-2026	ISSUED FOR BID	

Drawing:
SECOND FLOOR DEMOLITION PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	IK

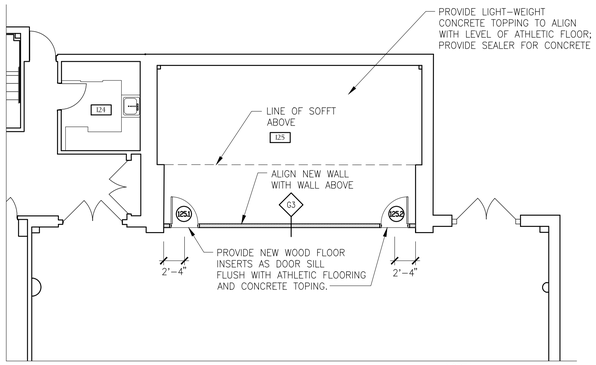
Scale:
AS NOTED

Drawing Number:
AD-102



1 A-101 PROPOSED PARTIAL FIRST FLOOR PLAN

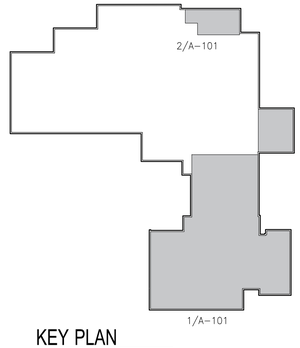
SCALE: 1/8" = 1'-0"



2 A-101 PROPOSED PARTIAL FIRST FLOOR PLAN

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

NORTH



KEY PLAN

SCALE: N.T.S.

3 A-101 FIREPROOFING AT EXIST. STRUCTURE

SCALE: N.T.S.

LEGEND	
EL. 0"0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	NEW CMU WALL CONSTRUCTION
	NEW STUD WALL CONSTRUCTION
	EXISTING DOOR TO REMAIN
EF	EXISTING FIRE RATED DOOR TO REMAIN
	NEW DOOR
	EXISTING STEEL BEAMS TO BE ENCLOSE IN SPRAY ON FIRE PROOFING 2-HR FIRE RATING (TYP.)
	NEW ⅝" GWB LAMINATE NEW ⅜" MOISTURE RESISTANT CEMENT GWB BEHIND WALL CERAMIC TILE.

GENERAL NOTES:

A. CONTRACTOR SHALL NOT SCALE DRAWINGS, ALL DIMENSIONS TO BE VERIFIED IN FIELD.

B. REFER TO DRAWING T-001 FOR LIST OF TYPICAL ABBREVIATIONS AND LEGEND OF GRAPHIC SYMBOLS.

C. THE CONTRACTOR SHALL LIMIT USE OF THE PREMISES STRICTLY TO THE WORK DESCRIBED HEREIN AND SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH MATERIALS OR EQUIPMENT. ALL WORK SHALL BE PERFORMED IN A MANNER THAT MINIMIZES DISRUPTION AND INTERFERENCE WITH THE OPERATIONS AND ACTIVITIES OF THE BUILDING OWNER AND ITS TENANTS.

D. IF ANY CONDITIONS NOT SPECIFIED IN THE CONTRACT DOCUMENTS ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE TAKING ANY ACTION REGARDING SUCH CONDITIONS.

E. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO CONSTRUCTION.

F. NEW PARTITIONS ARE DIMENSIONED TO FACE OF FINISHED WALL (I.E. FACE OF GWB, MASONRY, WALL TILE, ETC) UNLESS OTHERWISE NOTED.

G. ALL METAL STUD PARTITIONS FRAMED TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE SHALL BE PROVIDED WITH A SLIP-TRACK CONNECTION AT THE TOP OF THE WALL TO ACCOMMODATE STRUCTURAL DEFLECTION.

H. THE CONTRACTOR SHALL PROVIDE CONCEALED WOOD BLOCKING AS REQUIRED FOR SECURING MILLWORK, CABINETRY, WINDOW AND DOOR FRAMES, WALL-MOUNTED EQUIPMENT, AND SIMILAR ITEMS.

I. WOOD BLOCKING IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED TO RESIST DECAY.

J. NOT USED

K. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED WALL AND FLOOR SURFACES, WHETHER EXISTING OR CAUSED BY DEMOLITION OR CONSTRUCTION ACTIVITIES, TO ENSURE A SOUND AND SUITABLE SUBSTRATE FOR NEW FINISHES.

L. THE CONTRACTOR SHALL PATCH AND LEVEL OF CONCRETE FLOOR SLABS WHERE WALLS HAVE BEEN DEMOLISHED AND/OR FLOOR FINISHES REMOVED.

M. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURFACES DESIGNATED TO REMAIN THROUGHOUT ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL CLEAN, ON A DAILY BASIS, ALL AREAS OUTSIDE THE CONTRACT LIMITS THAT BECOME SOILED AS A RESULT OF CONSTRUCTION ACTIVITIES.

N. THE CONTRACTOR SHALL REMOVE ALL SITE DEBRIS, RUBBISH, AND OTHER MATERIALS GENERATED BY CONSTRUCTION ACTIVITIES ON A DAILY BASIS. THE CONTRACTOR SHALL TRANSPORT SUCH MATERIALS AND DISPOSE OF THEM OFF-SITE IN A LAWFUL MANNER.

O. THE CONTRACTOR SHALL PROVIDE FLUSH ACCESS PANELS IN PARTITIONS AT LOCATIONS REQUIRING FUTURE ACCESS, SUCH AS JUNCTION BOXES, PIPING VALVES, VALVE CONTROLS, ETC., WHETHER OR NOT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL SUBMIT PROPOSED PANEL SIZES AND LOCATIONS TO THE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

P. PROVIDE (1) LAYER OF ⅝" GWB LAMINATED W/ CONSTRUCTION ADHESIVE DIRECTLY TO EXPOSED CMU WALLS ON ALL EXPOSED CMU WALLS, OMIT AT BACK OF CLOSETS, STORAGE ROOMS & FIRE STAIRS #120, ROOMS #117, 118, 119, 121. IN ROOMS WITH EXPOSED STRUCTURE, EXTEND GWB TO 9'-6" AFF. IN SPACES WITH SUSPENDED CEILING, EXTEND LAMINATION 4" ABOVE CEILING ELEVATION.

Q. PROVIDE J-BID & CALK WHERE NEW ⅜" GWB ABUTS EXISTING DOOR FRAMES.

R. REPAIR ALL EXPOSED CMU WALLS BEFORE FINISHING.

S. FILL GAPS AT CMU WALLS AT HVAC DUCTS PENETRATIONS WITH BACKER ROD AND ACOUSTIC SEALANT TO FILL GAPS UP TO 1". REPAIR LARGE GAPS W/ MORTAR FIRST, THAN APPLY SEALANT AROUND DUCTS FOR FLEXIBILITY AND AIR TIGHTNESS, INSTALL NEOPRENE OR RUBBER WRAP, WHERE DUCTS TOUCHES CMU TO PREVENT TRANSMISSION OF VIBRATION.

T. CONTRACTOR SHALL CALL ARCHITECT WHEN FINISHES ARE REMOVED & CONDITION OF STRUCTURE EXPOSED TO ACCESSED EXISTING CONDITION.

U. ON WALLS SCHEDULED TO RECEIVE NEW ⅜" GWB ALL EXISTING DEVICES SCHEDULED TO REMAIN MUST BE EXTENDED TO NEW WALL SURFACE USING APPROPRIATE EXTENDERS, RINGS OR RE-MOUNTING HARDWARE. ELECTRICAL & FIRE ALARM CONTRACTOR TO HANDLE THEIR RESPECTIVE DEVICES. SURFACE MOUNTING RACEWAYS AND CONDUITS SHALL BE MOVED OUTWARD BY THE GWB THICKNESS & COORDINATED THAT RACEWAY REMAIN CONTINUING - GC TO COORDINATE.

V. EXTEND GWB 4" ABOVE NEW CEILINGS ELEVATIONS IN ALL ROOMS WHERE THE EXISTING CEILING HEIGHT IS RAISED.

W. ALL WALLS, CEILINGS AND FLOORS DISTURBED DUE TO DEMOLITION FOR DOORS, OPENINGS AND OTHER ITEMS, SHALL BE FINISHED ON ALL SIDES (JAMB, HEAD, SILL) WITH MATERIALS MATCHING THE WALL U.N.O.

X. THE CONTRACTOR SHALL REPAIR AND RESTORE ALL EXISTING FIREPROOFING DAMAGED BEFORE OR DURING THE COURSE OF THE WORK TO MAINTAIN THE REQUIRED 2HR FIRE-RESISTANCE RATING.

NUMBERED NOTES:

1. PROVIDE THE FOLLOWING ACCESSORIES:

BY MUSTEE:

- WALL GUARDS 67.2424
- BUMPER GUARDS 63.403. TOTAL OF TWO.

BY BOBRICK:

- MOP HOLDER WITH SHELF B-239; TOTAL OF TWO; MOUNT SHELF @ 76" AFF

2. PROVIDE NEW WINDOW IN EXISTING DOOR OPENING. INFILL BELOW WINDOW WITH MATERIAL MATCHING EXTERIOR & INTERIOR CONSTRUCTION. COORDINATE DIMENSIONS, ALIGNMENT & FINISHES TO ENSURE SEAMLESS TRANSITION WITH SURROUNDING ASSEMBLY.

RM.#	LOCATION
101	VESTIBULE
102	RECEPTION
103	PUBLIC CORRIDOR
104	COMMUNITY RM.
105	LOUNGE AREA - AQUEDUCT ROOM
106	RECREATION RM.
107	RECREATION RM.
108	YB OFFICE
109	COPY
110	OFFICE
111	OFFICE
112	YOUTH OFFICE
113	MEN'S RM
114	WOMEN'S RM
115	OFFICE
116	OFFICE
117	KITCHEN
118	MECHANICAL RM.
119	BOILER RM.
120	STAIR "A" (EXISTING)
121	JANITOR'S CLOSET
122	STAIR "B"
123	HALLWAY
124	AQUATIC DIRECTOR OFFICE
125	STORAGE
126	GYM STORAGE

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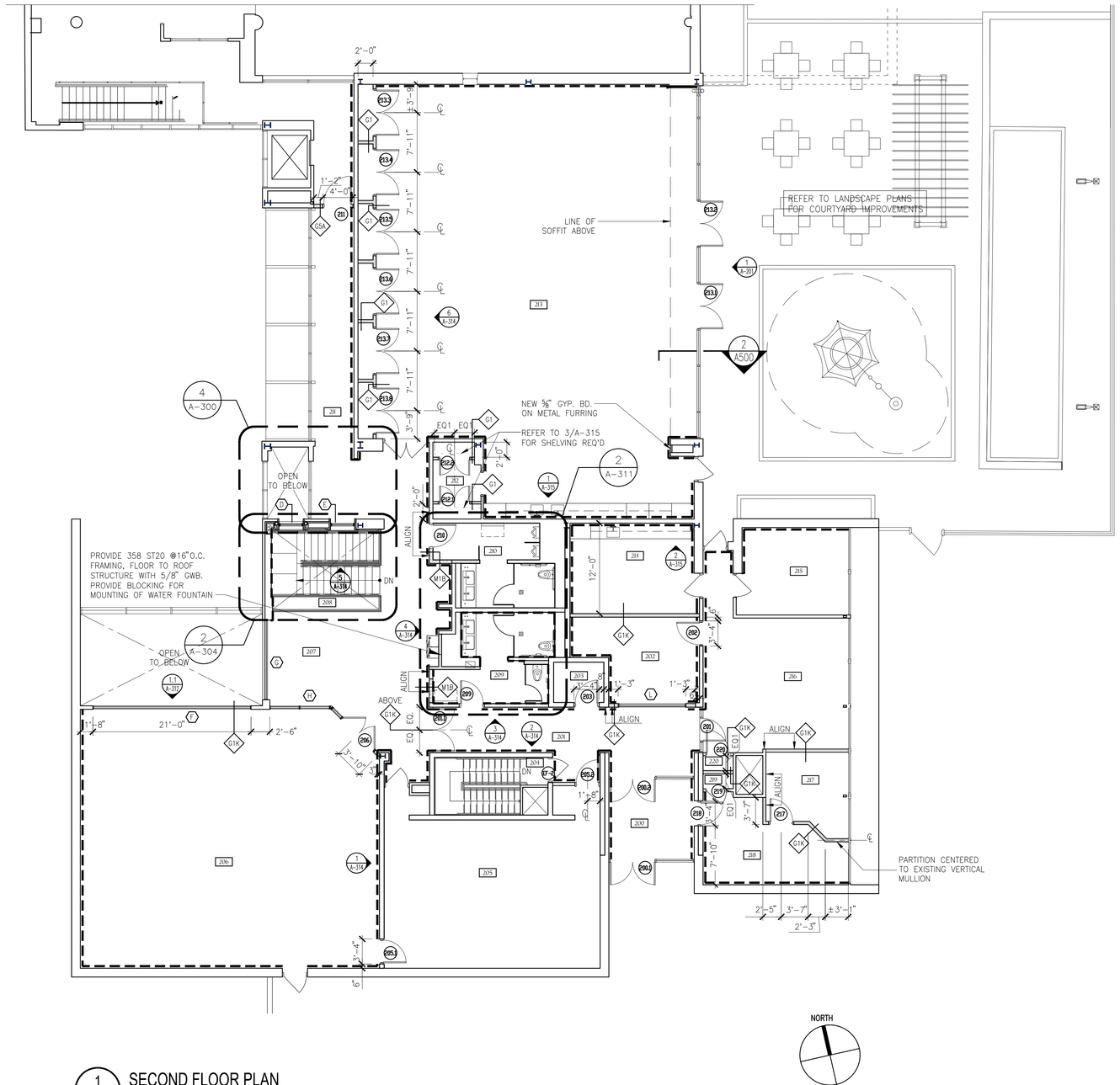
	06-19-2026	ISSUED FOR BID	

Drawing:
PROPOSED FIRST FLOOR PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

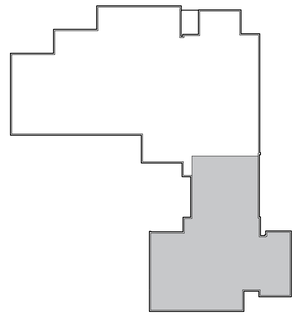
Scale:
AS NOTED

Drawing Number:
A-101



1 A-102 SECOND FLOOR PLAN

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



KEY PLAN

SCALE: N.T.S.

LEGEND	
EL. 0'0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	NEW CMU WALL CONSTRUCTION
	NEW STUD WALL CONSTRUCTION
	EXISTING DOOR TO REMAIN
EF	EXISTING FIRE RATED DOOR TO REMAIN
	NEW DOOR
	NEW 3/8" GWB LAMINATE NEW 3/8" MOISTURE RESISTANT CEMENT GWB BEHIND WALL CERAMIC TILE.

NOTE:
SEE A-101 FOR ALL GENERAL NOTES

RM.#	LOCATION
200	VESTIBULE
201	HALLWAY 1
202	OFFICE
203	CLOSET
204	STAIR "A" (EXISTING)
205	WELLNESS STUDIO
206	HUDSON ROOM
207	OPEN COMMON SPACE
208	STAIR "B"
209	WOMEN'S RM
210	MEN'S RM.
211	HALLWAY 2
212	STORAGE
213	NORTH HIGHLAND ROOM/ PATIO
214	WORK RM.
215	OFFICE 1
216	OFFICE 2
217	OFFICE 3
218	OFFICE 4
219	CLOSET
220	CLOSET

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Seal:

REVISIONS

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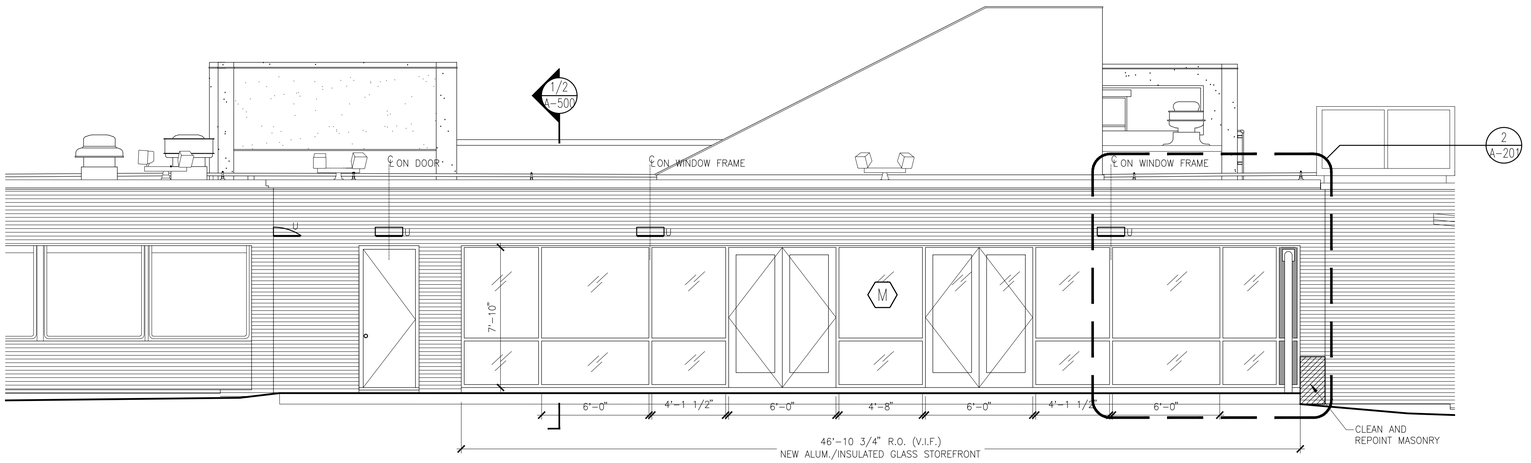
	06-19-2026	ISSUED FOR BID	

Drawing:
PROPOSED SECOND FLOOR PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

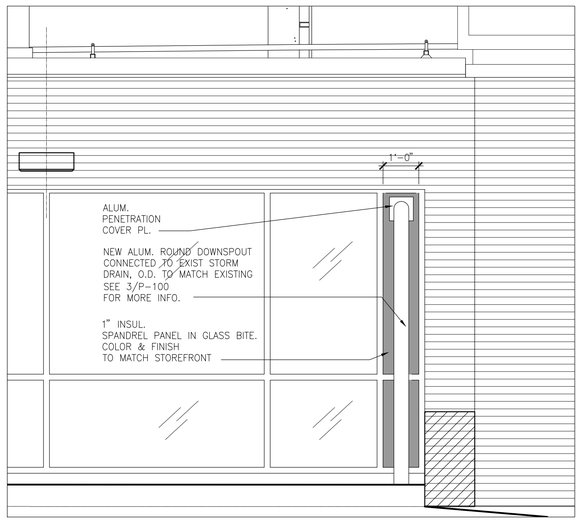
Scale:
AS NOTED

Drawing Number:
A-102



1 A-201 PARTIAL EAST EXTERIOR ELEVATION

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



2 A-201 PARTIAL ELEVATION

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

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JOSEPH G. CAPUTO
COMMUNITY CENTER

Project Address:
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Seal:

REVISIONS

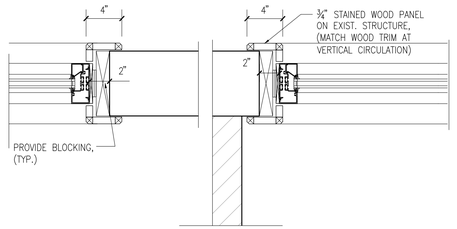
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

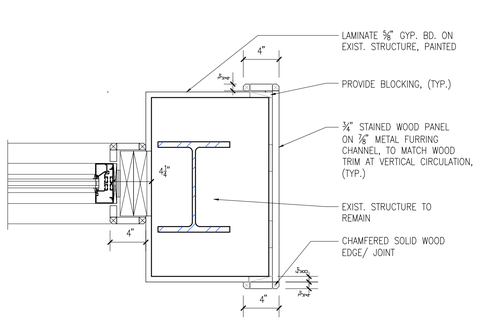
Scale:
AS NOTED

Drawing Number:
A-201



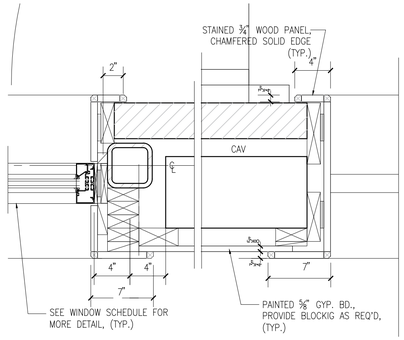
6 A-300 ENLARGED PLAN DETAIL

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



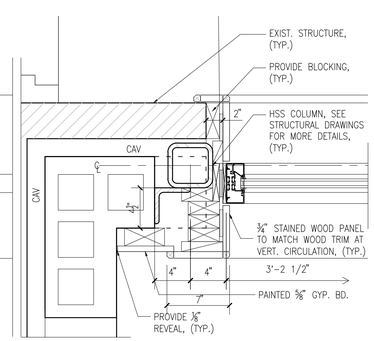
7 A-300 ENLARGED PLAN DETAIL

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



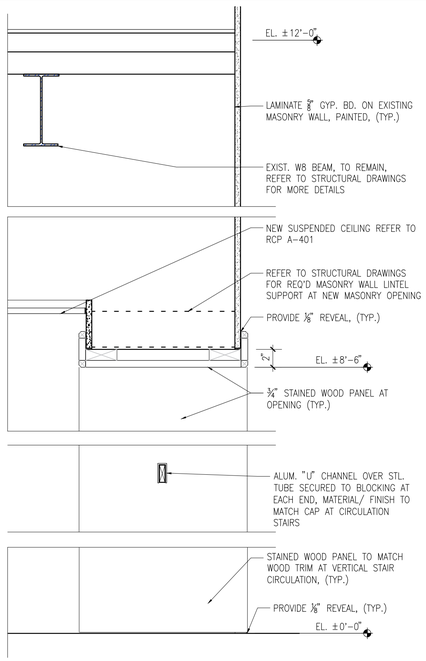
8 A-300 ENLARGED PLAN DETAIL

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



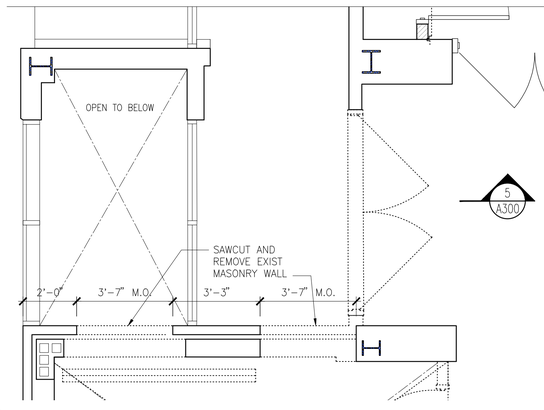
9 A-300 ENLARGED PLAN DETAIL

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



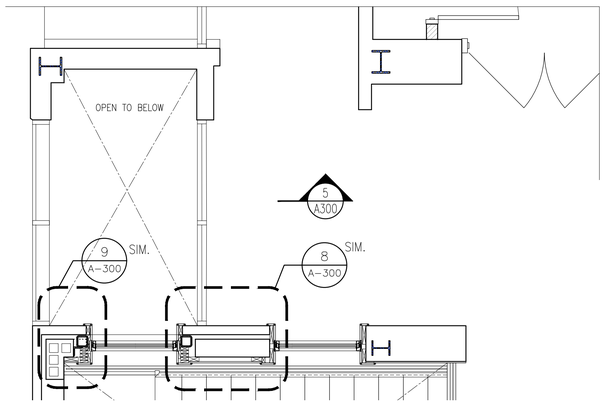
10 A-300 DETAIL/ SECTION AT OPENING

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



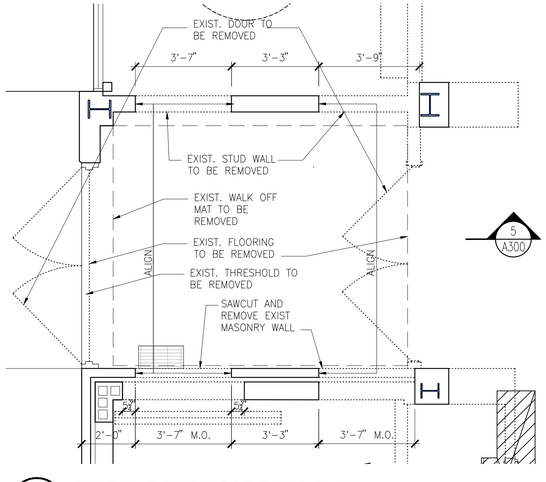
3 A-300 PARTIAL SECOND FLOOR DEMO PLAN

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



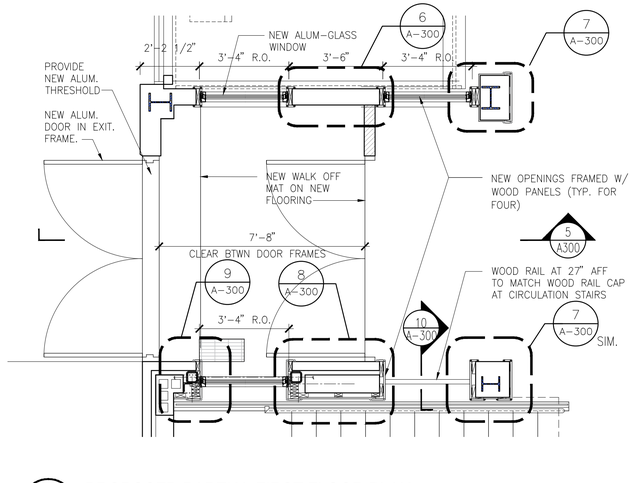
4 A-300 PROPOSED PARTIAL SECOND FLOOR PLAN

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



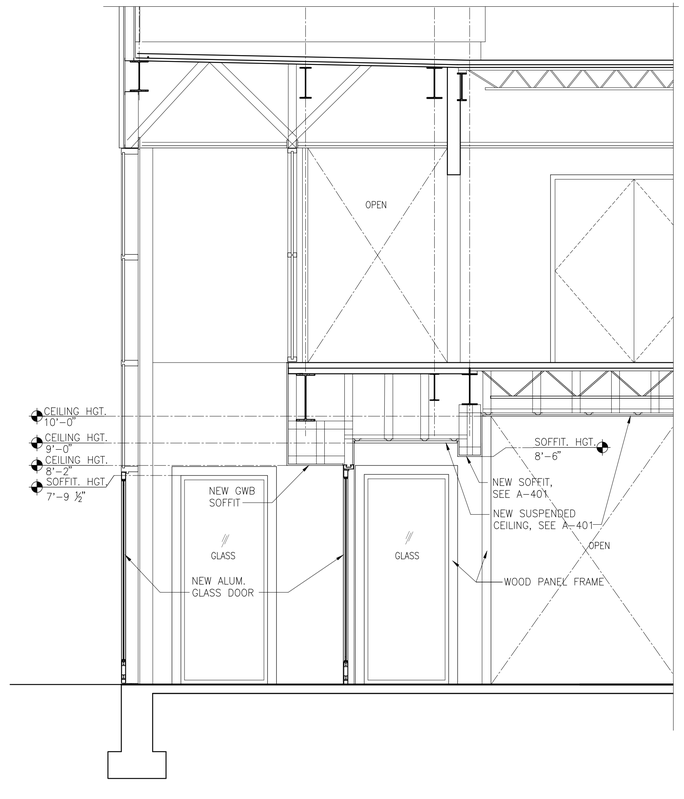
1 A-300 PARTIAL FIRST FLOOR DEMO PLAN

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



2 A-300 PROPOSED PARTIAL FIRST FLOOR PLAN

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



5 A-300 SECTION/ ELEVATION

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

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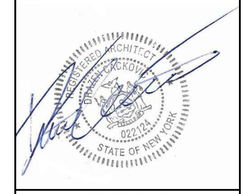
Seal:



REVISIONS

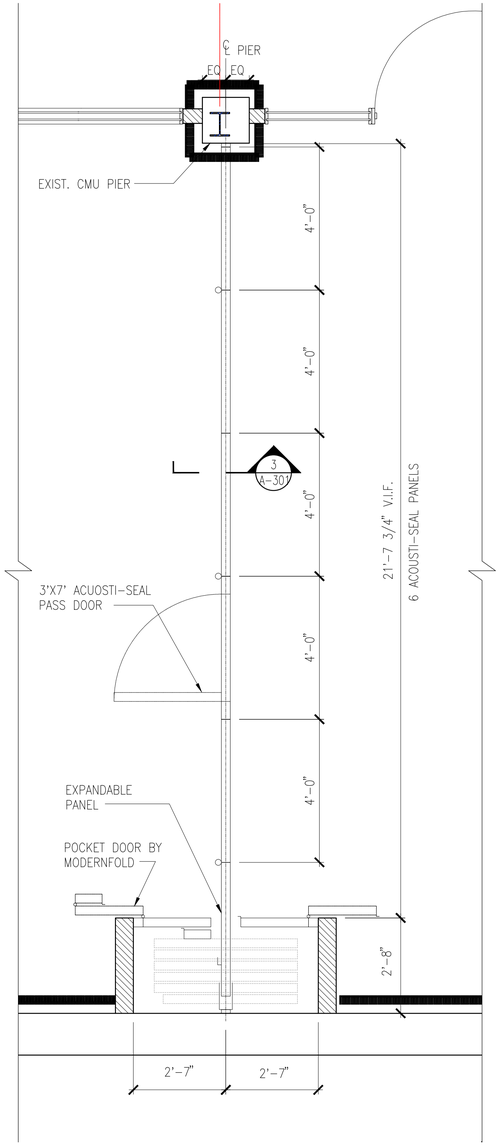
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
ENLARGED ENTRANCE PLANS & SECTIONS

Project Number:	Responsible Party:	Reviewed By:
24012	AJ	JK

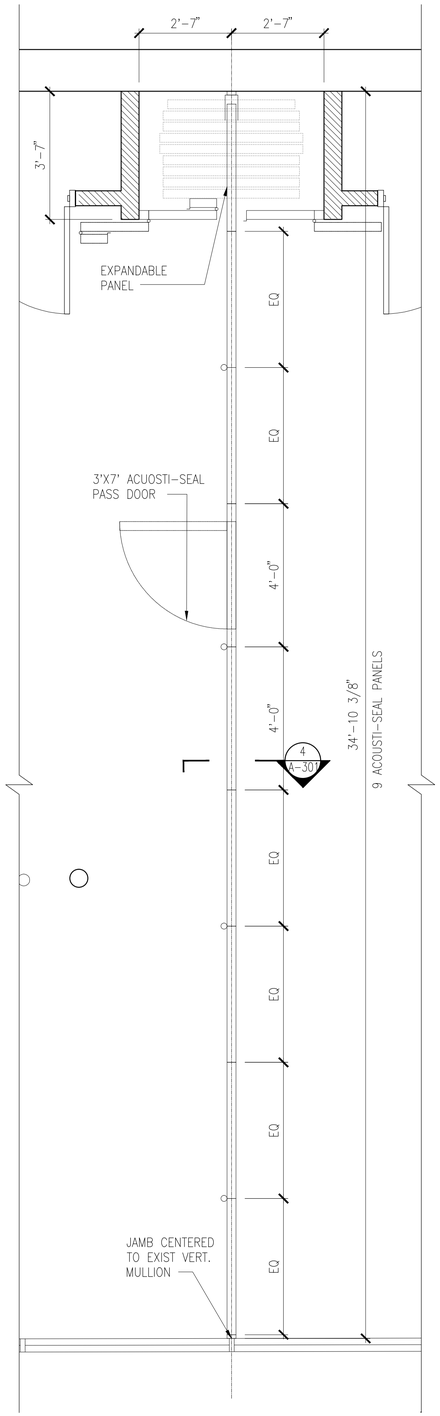
Scale:
AS NOTED

Drawing Number:
A-300



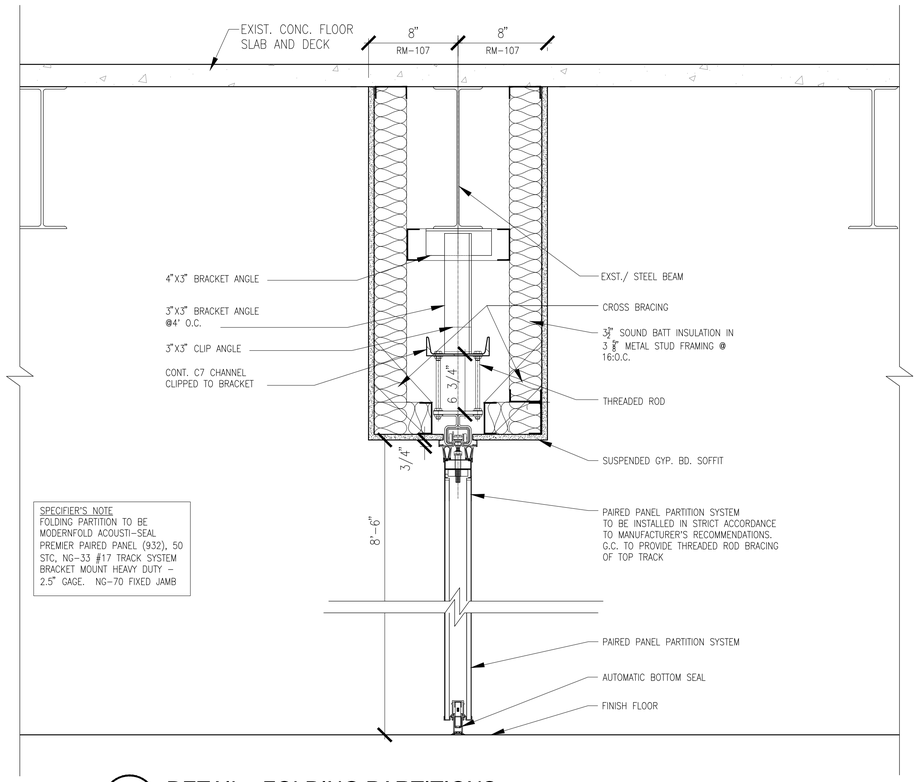
1 A-301 ENLARGED PLAN

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



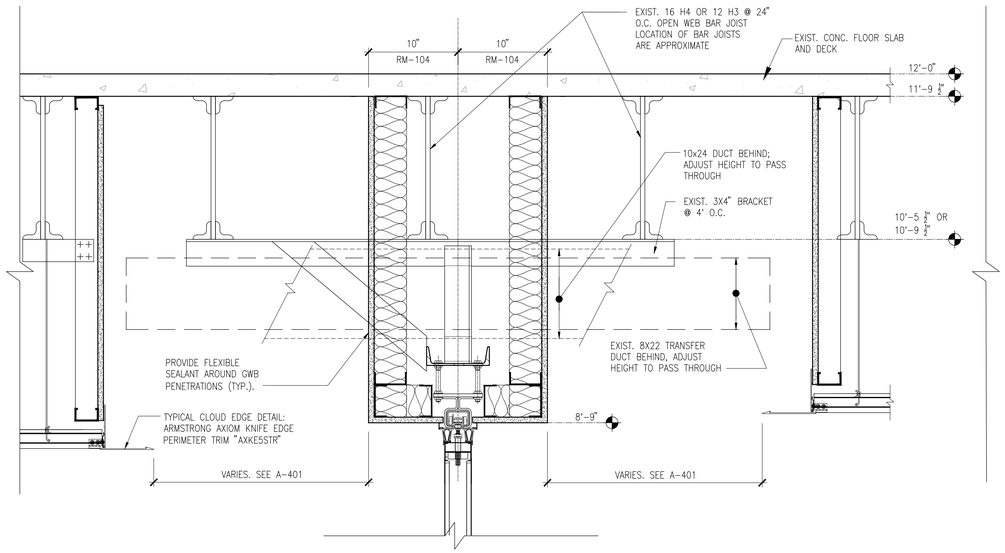
2 A-301 ENLARGED PLAN

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



3 A-301 DETAIL - FOLDING PARTITIONS

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



4 A-301 DETAIL - FOLDING PARTITIONS

SCALE: 1 1/2" = 1'-0" FOR DIMS & NOTES SEE 3/A-301

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spatel@iqlandarch.com | http://iqlandarch.com

Seal:

REVISIONS

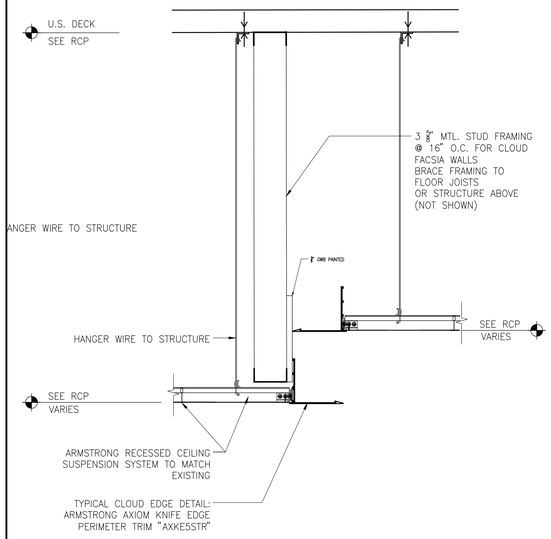
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
ENLARGED PLANS FOR MOVEABLE PARTITIONS

Project Number:	Responsible Party:	Reviewed By:
24012	CT	DC

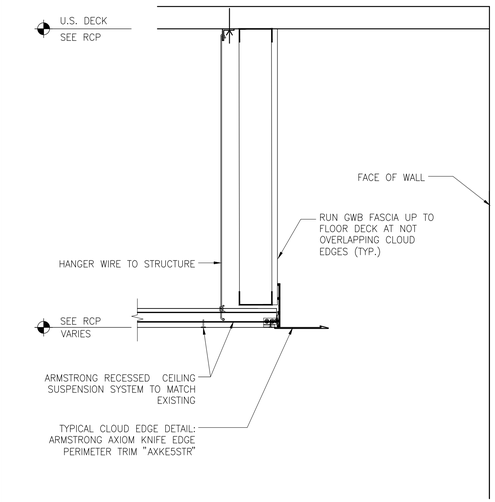
Scale:
AS NOTED

Drawing Number:
A-301



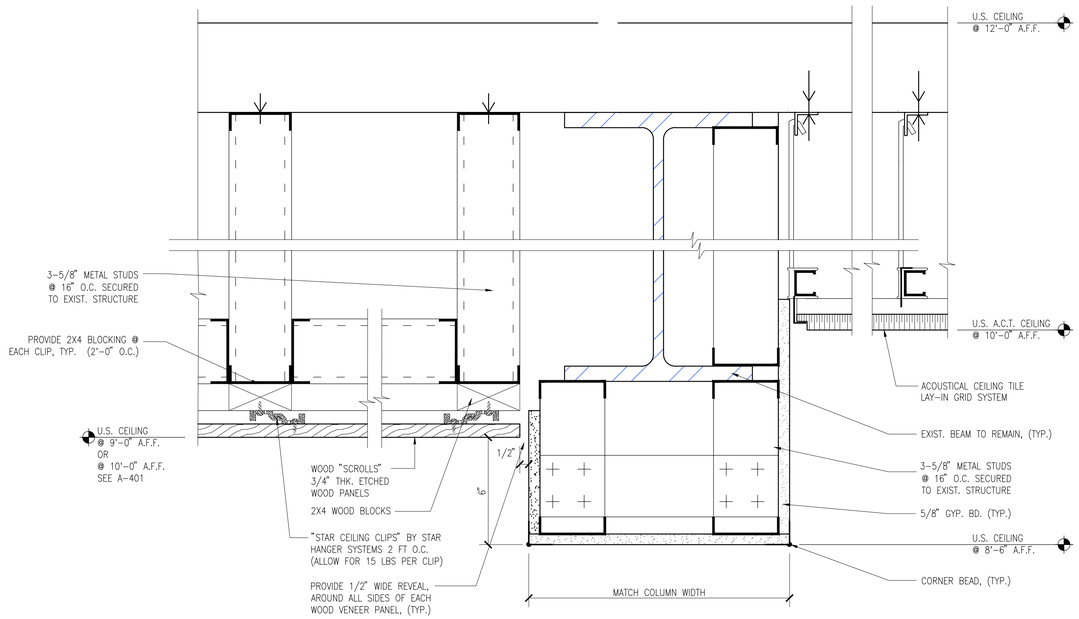
1 - CEILING CLOUD EDGE DETAIL

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



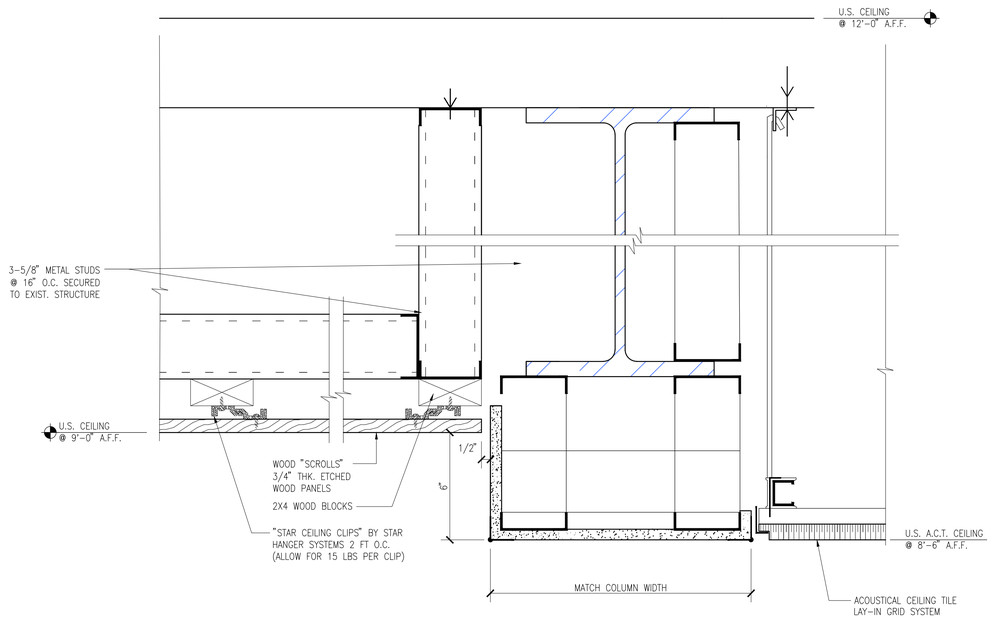
2 - CEILING CLOUD EDGE FASCIA DETAIL

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



3 - DETAIL AT WOOD CEILING

SCALE: 3" = 1'-0"



4 - DETAIL THRU WOOD CEILING

SCALE: 3" = 1'-0"

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REVISIONS

No:	Date:	Description:	Responsible Party:
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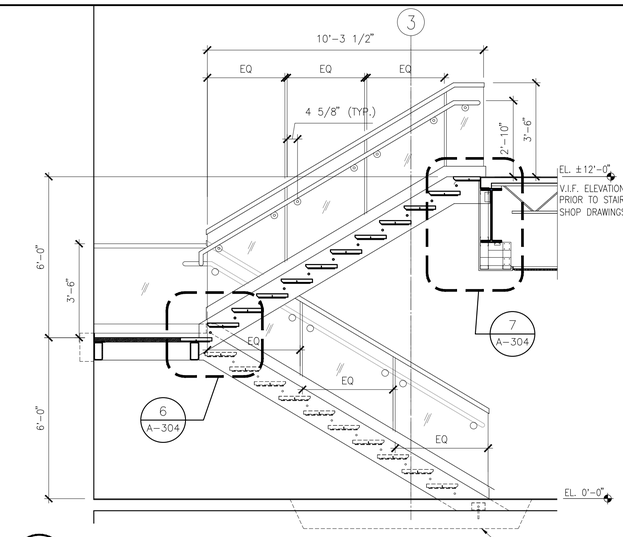
Drawing:
RCP DETAILS

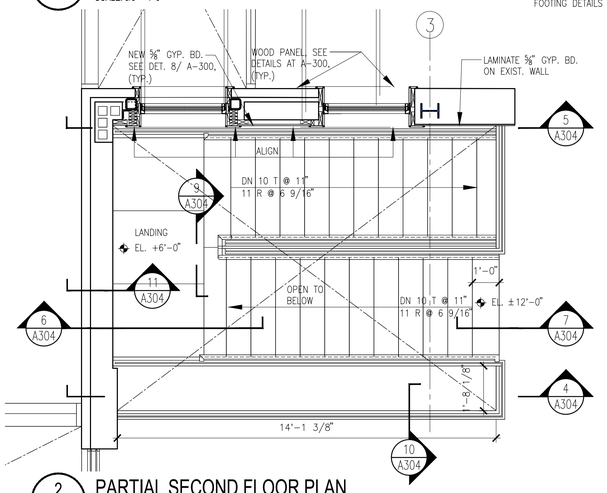
Project Number:	Responsible Party:	Reviewed By:
24012	AJ	JK

Scale:
AS NOTED

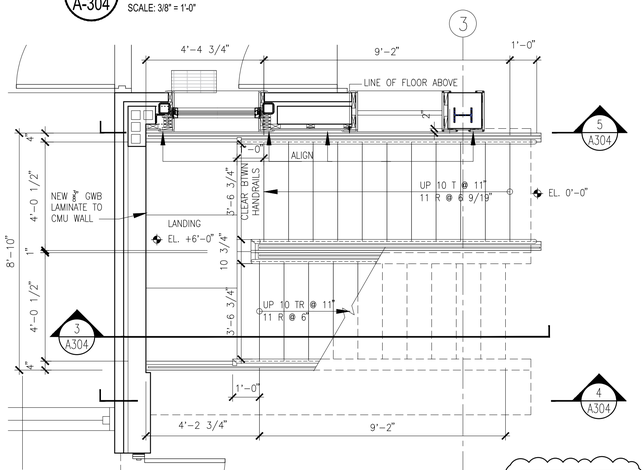
Drawing Number:
A-302



3 A-304 **SECTION**
SCALE: 3/8" = 1'-0"

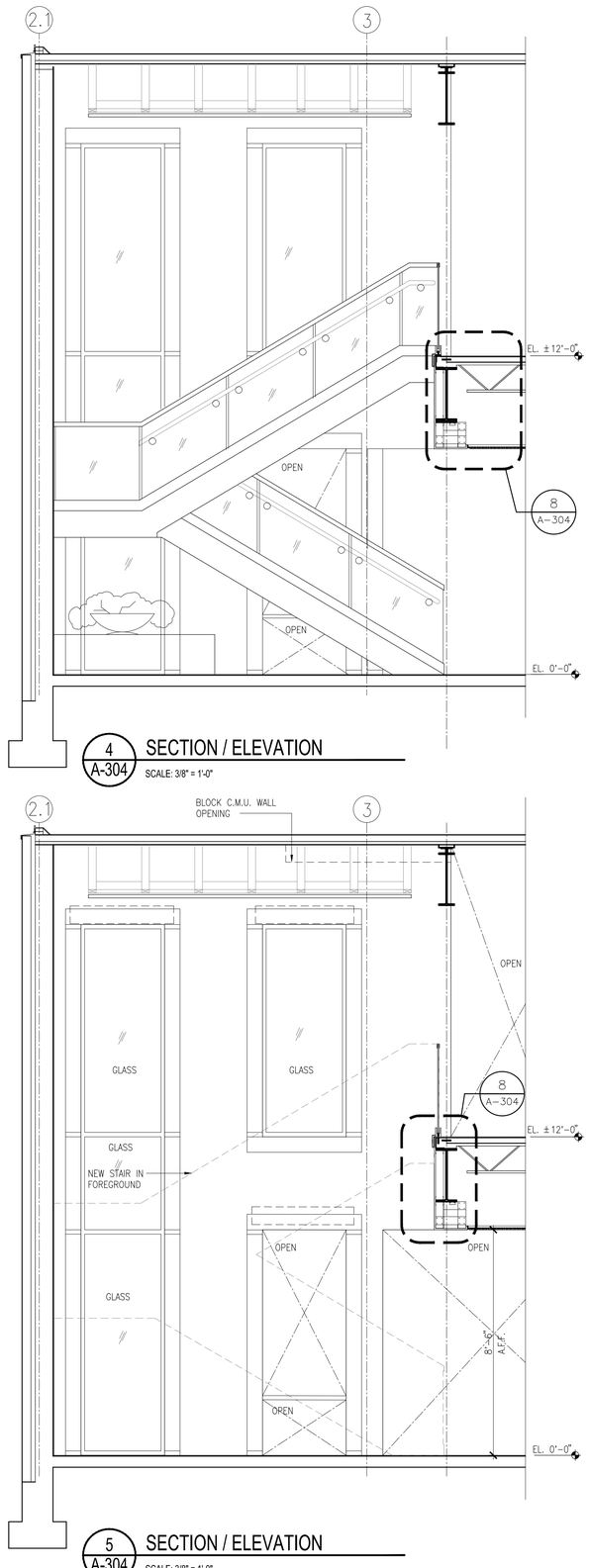


2 A-304 **PARTIAL SECOND FLOOR PLAN**
SCALE: 3/8" = 1'-0"



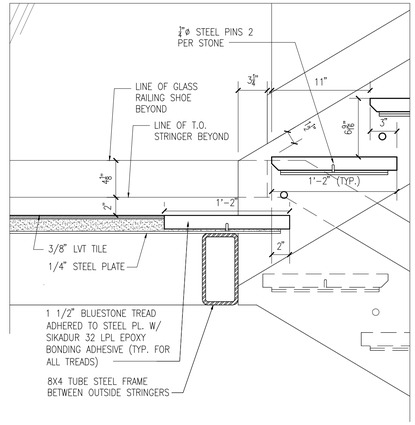
1 A-304 **PARTIAL FIRST FLOOR PLAN**
SCALE: 3/8" = 1'-0"

NOTE:
FOR STEEL STAIR FINISHES SEE A/320

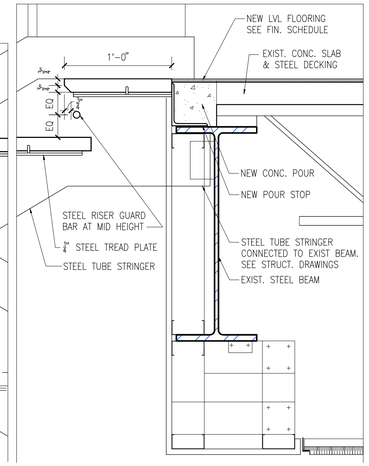


4 A-304 **SECTION / ELEVATION**
SCALE: 3/8" = 1'-0"

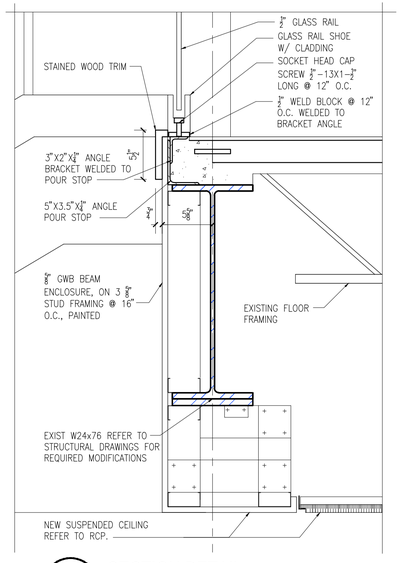
5 A-304 **SECTION / ELEVATION**
SCALE: 3/8" = 1'-0"



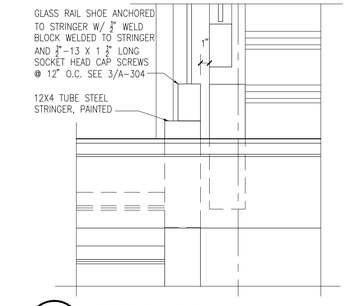
6 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



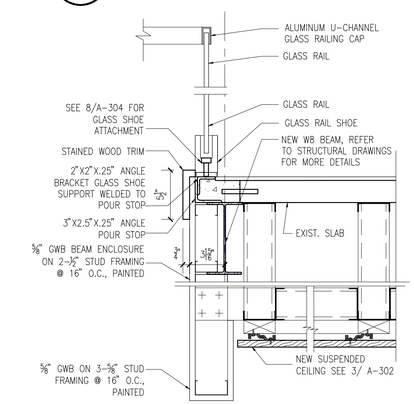
7 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



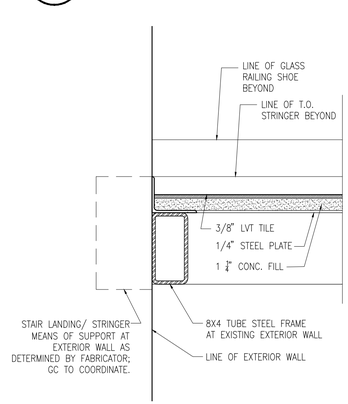
8 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



9 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



10 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



11 A-304 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"

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Seal:

REVISIONS

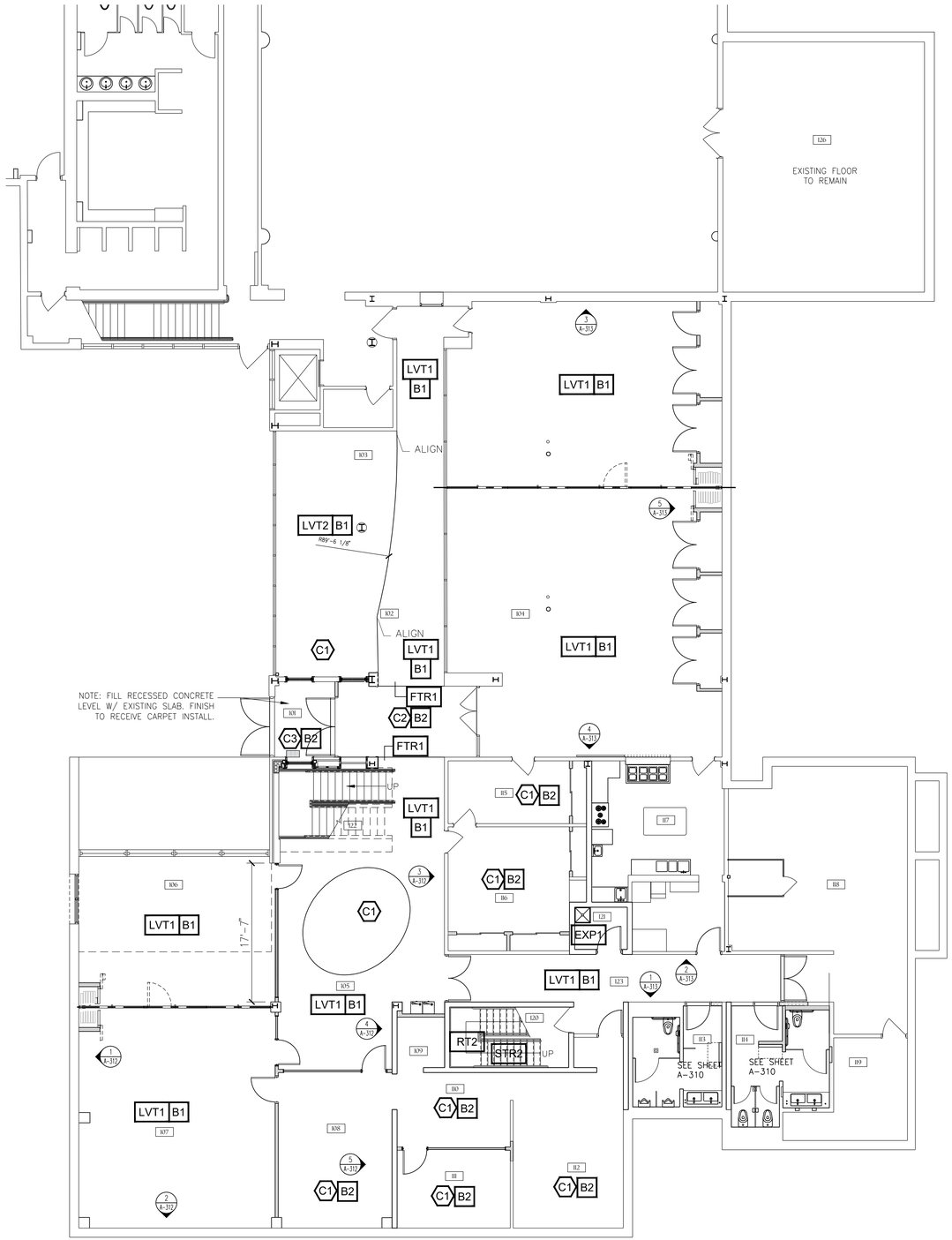
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
VERTICAL CIRCULATION STAIR

Project Number:	Responsible Party:	Reviewed By:
24012	AJ	IK

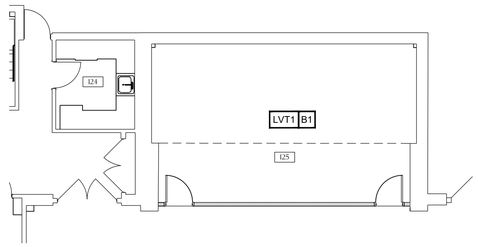
Scale:
AS NOTED

Drawing Number:
A-304



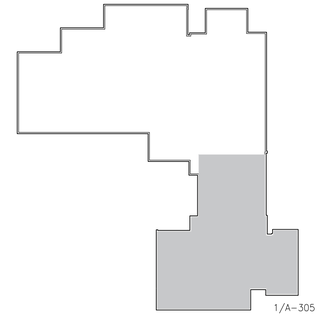
1 A-305 PROPOSED FIRST FLOOR FINISH PLAN

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



2 A-305 PROPOSED PARTIAL FIRST FLOOR PLAN

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



KEY PLAN

SCALE: N.T.S.

FLOOR FINISH LEGEND

CARPET

C1
- CARPET: SHAW
- PATTERN: MAKERSPACE 5T325
- COLOR: #23486 WALTER
- INSTALL: ASHLAR
- *NOTES: –ADD ALT. C1 ON OPEN STAIR 122 –USE W/ CARPET STAIR NOSING ROPPE PROFILE #7 COLOR #139 DEEP NAVY

C2
- CARPET: SHAW
- PATTERN: PATH TILE 5T034
- COLOR: #34481 MULTICOLOR
- INSTALL: ASHLAR

C3
- CARPET: SHAW
- PATTERN: DIVVY 5T411
- COLOR: #12500 TROT
- INSTALL: ASHLAR

LUXURY VINYL FLOORING

LVT1
- MANUF. SHAW CONTRACT
- STYLE: TERRAIN I #4110V
- COLOR: #00710 NATURAL
- SIZE: 6" X 48" PLANK
- INSTALL: RANDOM STAGGERED N–S

LVT2
- MANUF. SHAW CONTRACT
- STYLE: TERRAIN I #4110V
- COLOR: #00350 OLIVE
- SIZE: 6" X 48" PLANK
- INSTALL: RANDOM STAGGERED N–S

EPX1
- MANUF. DUR–A–FLEX
- STYLE: DECO FLAKE
- COLOR: BOTTLENOSE
- SIZE: ⅛" FLAKE

FLOOR TRANSITION

FTR1
- MANUF. SCHLUTER
- PROFILE: RENO–U
- FINISH: ALUMINUM
- LOCATION: SEE FLOOR FINISH PLAN

WALL BASE

B1
- MANUF.: MANNINGTON/BURKE
- COLOR: #875 NAVY
- STYLE: COVE TP
- SIZE: 4"H

B2
- MANUF.: MANNINGTON/BURKE
- COLOR: #875 NAVY
- STYLE: STRAIGHT TP
- SIZE: 4"H

STAIR

STR2
- MANUF. MANNINGTON COMMERCIAL
- MODEL: COLORSPEC STAIR TREAD
- COLLECTION: BURKE
- COLOR: #037 ISLAND SKY
- SIZE: 48" X 13"
- LOCATION: FIRE RATED STAIR

RT2
- MANUF. MANNINGTON BURKE
- MODEL: COLORSPEC STAIR TREAD
- COLLECTION: RUBBER TILES
- COLOR: #037 ISLAND SKY
- SIZE: 18" X 18" TILE
- LOCATION: FIRE RATED STAIR LANDING

*NOTES: –FLOOR MATERIAL SPECIFIED PER ROOM SHALL CONTINUE INTO ALL STORAGE CLOSETS.

FLOORING NOTES:

A. PROVIDE NEW BASE AT ALL LOCATIONS WHERE EXISTING FLOORING IS REMOVED FOR NEW FLOORING INSTALLATION.
B. PATCH AND LEVEL EXISTING SUBFLOOR IN PREP FOR NEW FLOORING INSTALLATION.
C. PATCH AND REPAIR BOTTOM OF EXISTING WALLS SCHEDULED TO RECEIVE NEW BASE.
D. PROVIDE SAMPLES OF FLOOR AND BASE FOR FINAL ARCHITECT APPROVAL BEFORE INSTALLATION.
E. PROVIDE BALTIC BIRCH PLYWOOD UNDERLAYMENT UNDER ALL LVT ON FIRST FLOOR.
F. PROVIDE SMOOTH AND LEVEL TRANSITION BETWEEN DIFFERENT FLOORS.

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Project Address:
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OSSINING, NY

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Seal:

REVISIONS

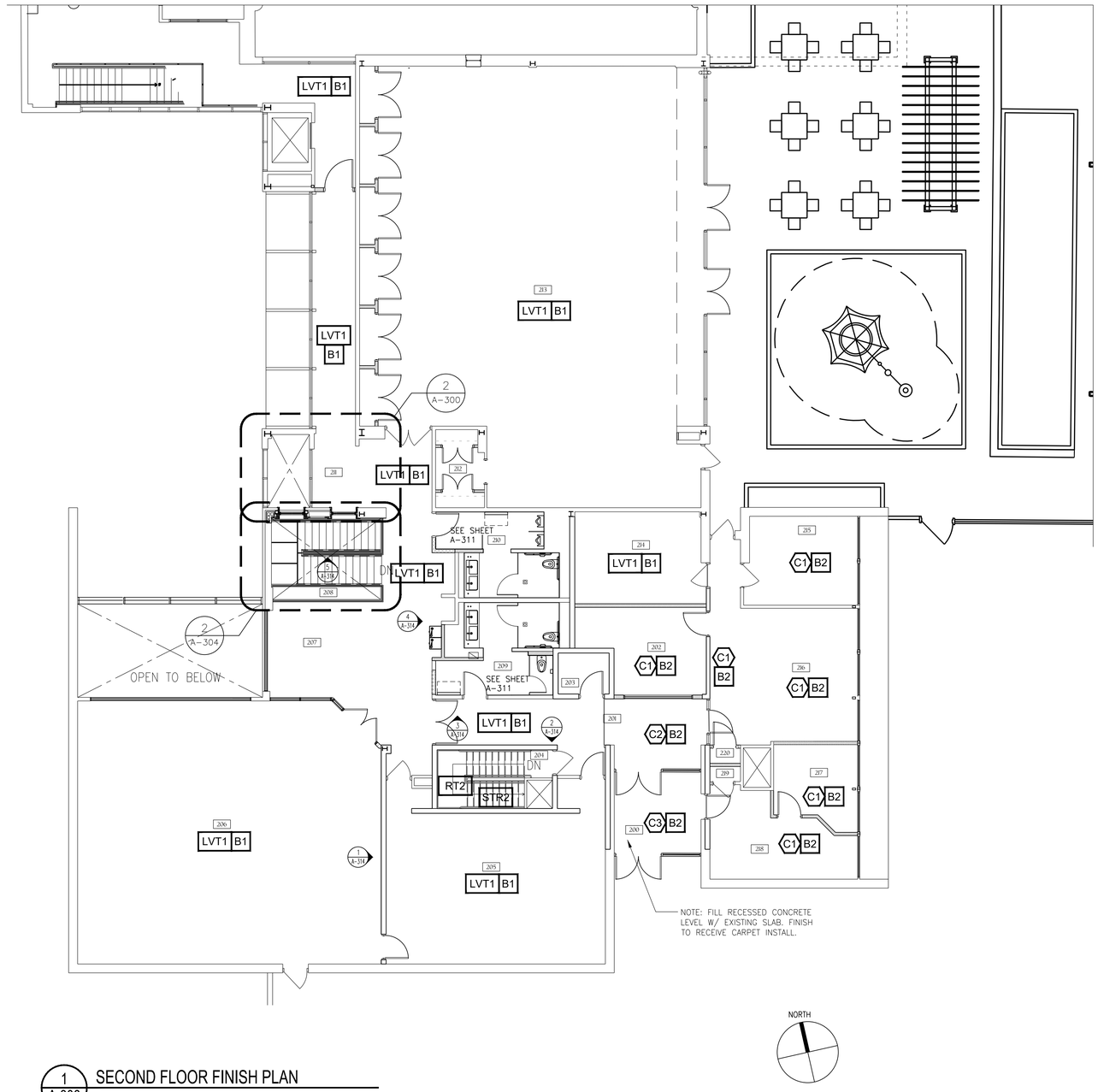
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
PROPOSED FIRST FLR - FLOOR FINISH PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale: AS NOTED

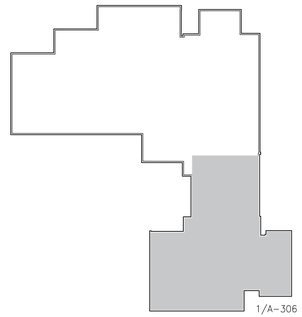
Drawing Number:
A-305



1 A-306

SECOND FLOOR FINISH PLAN

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



KEY PLAN

SCALE: N.T.S.

FLOOR FINISH LEGEND

CARPET

C1
CARPET: SHAW
PATTERN: MAKERSPACE 5T325
COLOR: #23486 WALTER
INSTALL: ASHLAR

*NOTES: –ADD ALT. C1 ON OPEN STAIR 122
–USE W/ CARPET STAIR NOSING
ROPPE PROFILE #7
COLOR #139 DEEP NAVY

C2
CARPET: SHAW
PATTERN: PATH TILE 5T034
COLOR: #34481 MULTICOLOR
INSTALL: ASHLAR

C3
CARPET: SHAW
PATTERN: DIVVY 5T411
COLOR: #12500 TROT
INSTALL: ASHLAR

LUXURY VINYL FLOORING

LVT1
MANUF. SHAW CONTRACT
STYLE: TERRAIN I #4110V
COLOR: #00710 NATURAL
SIZE: 6" X 48" PLANK
INSTALL: RANDOM STAGGERED N-S

LVT2
MANUF. SHAW CONTRACT
STYLE: TERRAIN I #4110V
COLOR: #00350 OLIVE
SIZE: 6" X 48" PLANK
INSTALL: RANDOM STAGGERED N-S

EPX1
MANUF. DUR-A-FLEX
STYLE: DECO FLAKE
COLOR: BOTTLENOSE
SIZE: ⅛" FLAKE

FLOOR TRANSITION

FTR1
MANUF. SCHLUTER
PROFILE: RENO-U
FINISH: ALUMINUM
LOCATION: SEE FLOOR FINISH PLAN

WALL BASE

B1
MANUF.: MANNINGTON/BURKE
COLOR: #875 NAVY
STYLE: COVE TP
SIZE: 4"H

B2
MANUF.: MANNINGTON/BURKE
COLOR: #875 NAVY
STYLE: STRAIGHT TP
SIZE: 4"H

STAIR

STR2
MANUF. MANNINGTON COMMERCIAL
MODEL: COLORSPEC STAIR TREAD
COLLECTION: BURKE
COLOR: #037 ISLAND SKY
SIZE: 48" X 13"
LOCATION: FIRE RATED STAIR

RT2
MANUF. MANNINGTON BURKE
MODEL: COLORSPEC STAIR TREAD
COLLECTION: RUBBER TILES
COLOR: #037 ISLAND SKY
SIZE: 18" X 18" TILE
LOCATION: FIRE RATED STAIR LANDING

*NOTES: –FLOOR MATERIAL SPECIFIED PER ROOM SHALL CONTINUE INTO ALL STORAGE CLOSETS.

NOTE:
SEE FINISH FLOOR NOTES ON A-305

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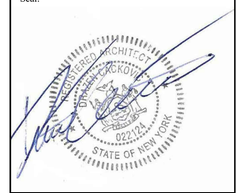
Seal:



REVISIONS

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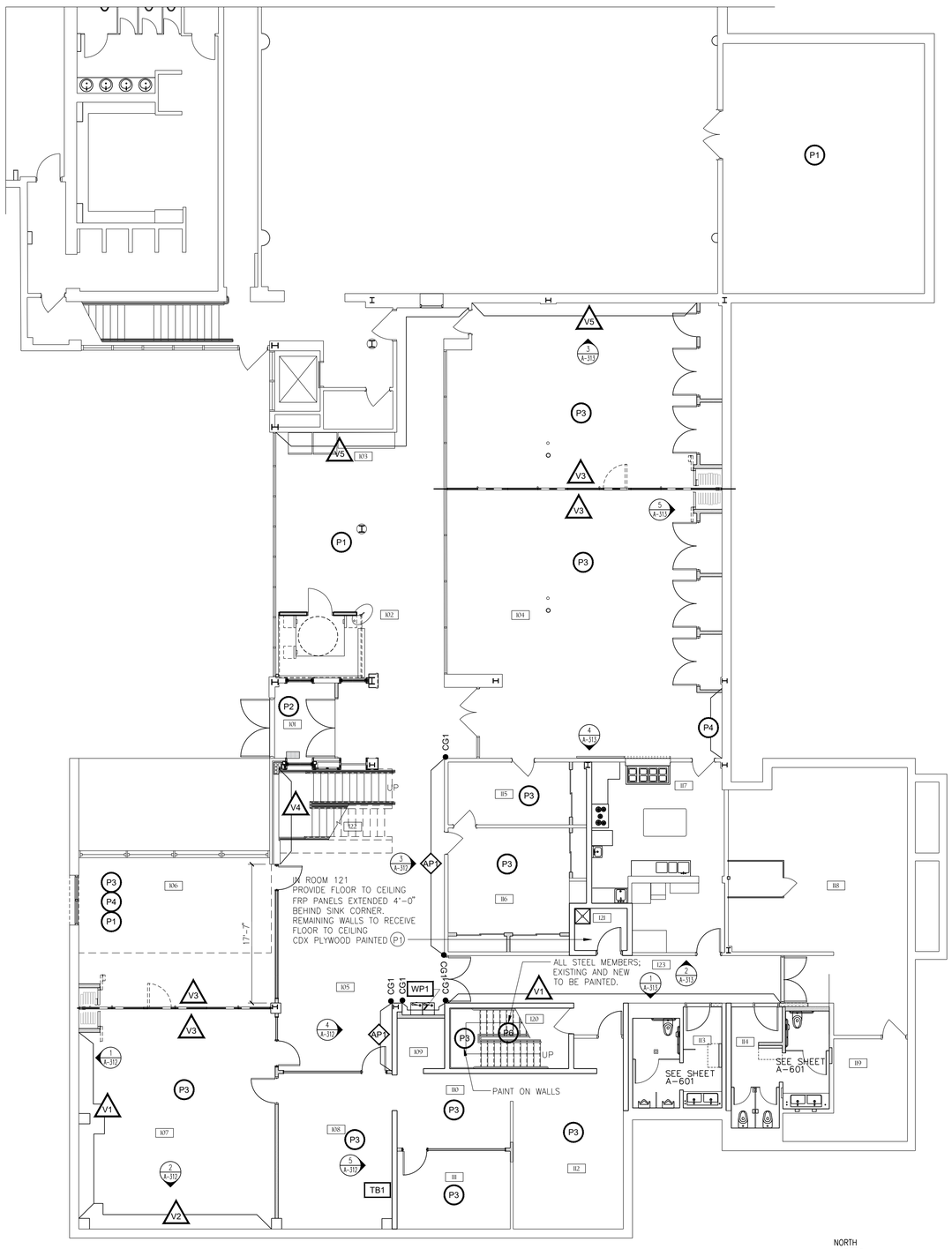
Drawing:
PROPOSED SECOND FLR - FLOOR FINISH PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

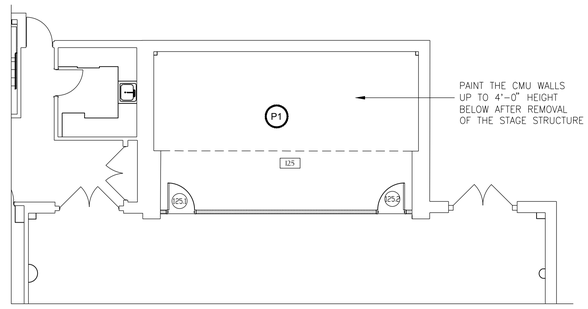
Scale:
AS NOTED

Drawing Number:
A-306



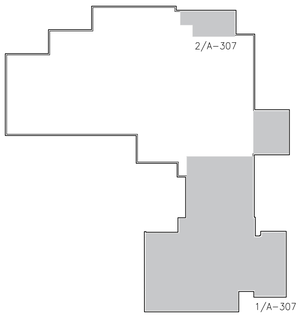
1 A-307 PROPOSED FIRST FLOOR WALL FINISH PLAN

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



2 A-307 PROPOSED PARTIAL FIRST FLOOR PLAN

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



KEY PLAN

SCALE: N.T.S.

WALL FINISH LEGEND

PAINT

P1
MANUF. BENJAMIN MOORE
COLOR: #CSP-485 PAPER DOLL
FINISH: EGGSHELL
LOCATION: TYPICAL ALL WALLS U.O.N.

P2
MANUF. BENJAMIN MOORE
COLOR: #1301 SPANISH RED
FINISH: EGGSHELL
LOCATION: SEE PLAN FOR ACCENT WALLS

P3
MANUF. BENJAMIN MOORE
COLOR: #875 BLUE VEIL
FINISH: EGGSHELL
LOCATION: ALL WALLS IN ROOM UNLESS INDICATED AS OTHER

P4
MANUF. BENJAMIN MOORE
COLOR: #2063-20 DOWNPOUR BLUE
FINISH: EGGSHELL
LOCATION: SEE PLAN FOR ACCENT WALLS

P5
MANUF. BENJAMIN MOORE
COLOR: #CSP-485 PAPER DOLL
FINISH: SEMI-GLOSS
LOCATION: DOOR TRIM

P6
MANUF. BENJAMIN MOORE
COLOR: #2063-20 DOWNPOUR BLUE
FINISH: SEMI-GLOSS
LOCATION: BASE BRD. HEAT COVERS & HANDRAILS

*NOTES:
- ALL UNPAINTED EXPOSED BRICK TO BE CLEANED AND REMAIN NATURAL BRICK.
- CONC. WALLS TO BE PAINTED W/ BEN MOORE LOW LUSTRE FINISH.

SOLID SURFACE

SS1
MANUF. FORMICA
COLOR: #623 FOSSILIZED LAVA
FINISH: MATTE
LOCATION: RECEPTION DESK

SS2
MANUF. FORMICA
COLOR: #621 NERO TERRAZZO MATRIX
FINISH: MATTE
LOCATION: AS INDICATED

SS4
MANUF. FORMICA
COLOR: #758 BIANCO MINERAL
FINISH: MATTE
LOCATION: WORK ROOM

PLASTIC LAMINATE

PL1
MANUF. FORMICA
PATTERN: #8684-58 BIRCHBARK
FINISH: MATTE
LOCATION: RECEPTION DESK

PL2
MANUF. FORMICA
PRODUCT: #8824-58 WHITE DROPS
FINISH: MATTE
LOCATION: RESTROOMS

PL3
MANUF. FORMICA
PRODUCT: #9307-58 SILVER SHALESTONE
FINISH: MATTE
LOCATION: RECEPTION DESK

PL4
MANUF. FORMICA
PRODUCT: #4974-PA GREEN FELT
FINISH: MATTE
LOCATION: CAFE

PL5
MANUF. FORMICA
PRODUCT: #9285-58 WHITE TWILL
FINISH: MATTE
LOCATION: BREAK ROOM

PL6
MANUF. FORMICA
PRODUCT: #CITADEL WARP
FINISH: MATTE
LOCATION: BREAK ROOM

PL7
MANUF. LAB DESIGN
PRODUCT: #DP762 MONET
FINISH: MATTE
LOCATION: ART ROOM

WALLCOVERING

V1
MANUF. KOROSEAL
PATTERN: ZEN GARDEN
COLOR: #ZGD1-04 BOXWOOD

V2
MANUF. KOROSEAL
PATTERN: ZEN GARDEN
COLOR: #ZGD1-08 JUNIPER

V3
MANUF.: CARNEGIE
PATTERN: SLEET EMBROIDER
COLOR: 6299-809
LOCATION: MOVABLE WALLS

V4
MANUF.: GRAVITY DIGITAL WALLS
PATTERN: #G6-13-06 RINGS
COLOR: MUTED BRIGHTS
FINISH: TSM-WC-IL SIZE TO SPACE
LOCATION: MAIN STAIR

V5
MANUF.: LEVEL DIGITAL WALLS
PATTERN: ASPEN TRAIL
COLOR: NIGHT TIME
FINISH: #L17-0104
LOCATION: CORRIDOR

WP1
MANUF.: CS ACROVYN
SERIES: WOOD GRAIN
COLOR: TBD
FINISH: TEXTURED
LOCATION: WATER FOUNTAINS

AP1
MANUF.: TURF
SERIES: 9MM FELT PANEL
COLOR: #D04 WASHED ASH

WF1
MANUF.: TBD
SERIES: ROUGH CUT OAK
COLOR: TO MATCH WOOD SLAT CLG.

●CG
MANUF.: CS ACROVYN
SERIES: 48" VINYL SQUARE RADIUS
COLOR: TBD
TEXTURE: PEBBLE
SIZE: 2" LEG

REFINISHING NOTE: EXISTING WOOD DOORS:
1. AWI STANDARD: ALL EXISTING WOOD DOORS SHALL BE REFINISHED IN ACCORDANCE WITH AWI EDITION 2, SECTION 5 (CUSTOM GRADE).
2. PREPARATION: REMOVE ALL HARDWARE. CHEMICALLY STRIP/SAND TO 100% BARE WOOD. FINAL SAND 120-150 GRIT. INVISIBLE SAND SCRATCHES AT 6' (1829 MM) UNDER NORMAL LIGHTING PERMITTED PER CUSTOM GRADE.
3. FINISH SYSTEM: AWI SYSTEM 11 (POLYURETHANE, CATALYZED). SATIN: MATCH ARCHITECT'S CONTROL SAMPLE. SHEEN: SATIN (30°-35° GLOSS LEVEL).
4. APPLICATION: MIN. 2 TOPCOATS OVER SEALER. TOTAL SYSTEM DRY FILM THICKNESS (DFT) 3.0-5.0 MILS. DE-NIB/SAND BETWEEN ALL COATS.
5. MOCK-UP: SUBMIT ONE (1) 12" \TIMES 12" SAMPLE ON MATCHING SPECIES SHOWING STAIN, SEALER, AND TOPCOAT FOR ARCHITECT APPROVAL PRIOR TO COMMENCING WORK.

TRANSITIONS

TR1
MANUF. SCHLUTER
PROFILE: DILEX-AHKA
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM COVE

TR2
MANUF. SCHLUTER
PROFILE: QUADEC
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM WALL CORNERS

TR3
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM TILE CAP

TR4
MANUF. SCHLUTER
PROFILE: RENO-U
FINISH: SATIN ALUMINUM
LOCATION: RESTROOMS ENTRY

TR5
MANUF. SCHLUTER
PROFILE: SCHIENE-RADIUS
FINISH: SATIN ALUMINUM
LOCATION: ROOM 105

TR6
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: THROUGHOUT AS APPROPRIATE

TB1
MANUF.: GUILFORD OF MAINE
PATTERN: FR-701 #2100
COLOR: #153 BALTIC
NOTES: 4'X5' UPHOLSTERED TACKBOARD

INTERIOR WALL FINISHES		
PRODUCT	DESCRIPTION	
CMU PREVIOUSLY PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM ULTRA SPEC INT/EXT ACRYLIC HIGH BUILD MASONRY PRIMER N609
	2nd/3rd COAT:	BM HIGH PERFORMANCE PRE CATALYZED WB EPOXY SEMI GLOSS HP3410
CMU PREVIOUSLY NOT PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	ULTRA SPEC Hi BUILD MASONRY BLOCK FILLER 571
	2nd/3rd COAT:	BM HIGH PERFORMANCE PRE CATALYZED WB EPOXY SEMI GLOSS HP3410
GWB PREVIOUSLY PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM FRESH START HIGH HIDING PRIMER 046
	2nd/3rd COAT:	BM SCUFF X EGGSHELL FINISH N485
GWB PREVIOUSLY NOT PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM ULTRA SPEC INTERIOR LATEX PRIMER N534
	2nd/3rd COAT:	BM ULTRA SPEC SCUFF-X EGGSHELL N485
EXIST. AND NEW STEEL MEMBERS	MFR.	BENJAMIN MOORE
	1st COAT:	HIGH PERFORMANCE ACRYLIC METAL PRIMER HP-1100
	2nd COAT:	HIGH PERFORMANCE ACRYLIC DTM PRIMER HP-3310
	3rd COAT:	HIGH PERFORMANCE ACRYLIC DTM PRIMER HP-3310
*	ALL COLORS AND SHEEN PER WALL FINISH LEGEND	
**	WALL COVERING PREPARATION PER WALL FINISH LEGEND	

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Seal:

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Scale:
AS NOTED

Drawing Number:
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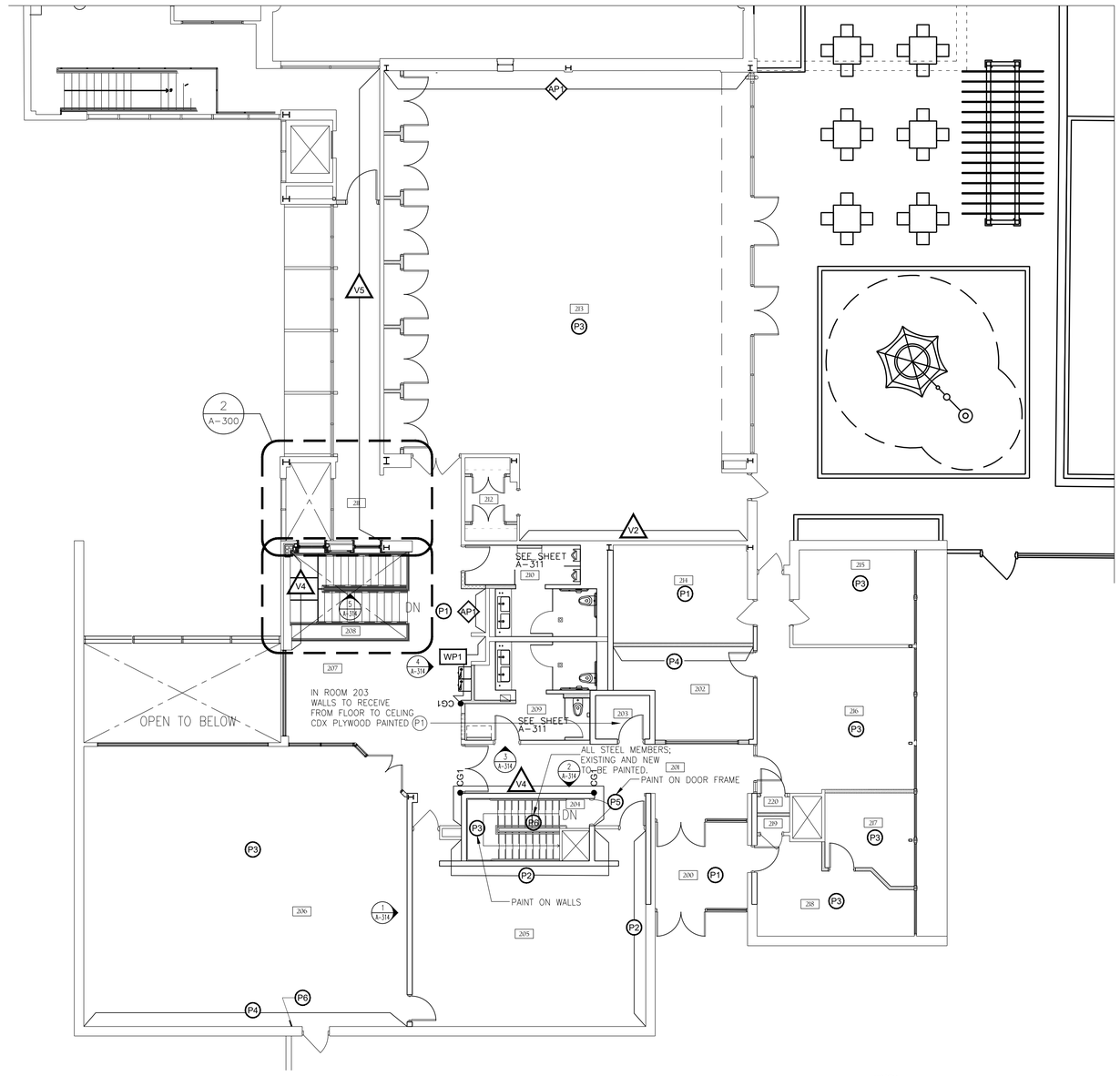
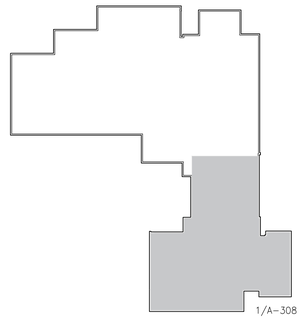


1 A-308 PROPOSED SECOND FLOOR WALL FINISH PLAN

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



KEY PLAN

SCALE: N.T.S.

WALL FINISH LEGEND

PAINT

P1
MANUF. BENJAMIN MOORE
COLOR: #CSP-485 PAPER DOLL
FINISH: EGGSHELL
LOCATION: TYPICAL ALL WALLS U.O.N.

P2
MANUF. BENJAMIN MOORE
COLOR: #1301 SPANISH RED
FINISH: EGGSHELL
LOCATION: SEE PLAN FOR ACCENT WALLS

P3
MANUF. BENJAMIN MOORE
COLOR: #875 BLUE VEIL
FINISH: EGGSHELL
LOCATION: ALL WALLS IN ROOM UNLESS INDICATED AS OTHER

P4
MANUF. BENJAMIN MOORE
COLOR: #2063-20 DOWNPOUR BLUE
FINISH: EGGSHELL
LOCATION: SEE PLAN FOR ACCENT WALLS

P5
MANUF. BENJAMIN MOORE
COLOR: #CSP-485 PAPER DOLL
FINISH: SEMI-GLOSS
LOCATION: DOOR TRIM

P6
MANUF. BENJAMIN MOORE
COLOR: #2063-20 DOWNPOUR BLUE
FINISH: SEMI-GLOSS
LOCATION: BASE BRD. HEAT COVERS & HANDRAILS

*NOTES:
-ALL UNPAINTED EXPOSED BRICK TO BE CLEANED AND REMAIN NATURAL BRICK.
-CONC. WALLS TO BE PAINTED W/ BEN MOORE LOW LUSTRE FINISH.

SOLID SURFACE

SS1
MANUF. FORMICA
COLOR: #623 FOSSILIZED LAVA
FINISH: MATTE
LOCATION: RECEPTION DESK

SS2
MANUF. FORMICA
COLOR: #621 NERO TERRAZZO MATRIX
FINISH: MATTE
LOCATION: AS INDICATED

SS4
MANUF. FORMICA
COLOR: #758 BIANCO MINERAL
FINISH: MATTE
LOCATION: WORK ROOM

PLASTIC LAMINATE

PL1
MANUF. FORMICA
PATTERN: #8684-58 BIRCHBARK
FINISH: MATTE
LOCATION: RECEPTION DESK

PL2
MANUF. FORMICA
PRODUCT: #8824-58 WHITE DROPS
FINISH: MATTE
LOCATION: RESTROOMS

PL3
MANUF. FORMICA
PRODUCT: #9307-58 SILVER SHALESTONE
FINISH: MATTE
LOCATION: RECEPTION DESK

PL4
MANUF. FORMICA
PRODUCT: #4974-PA GREEN FELT
FINISH: MATTE
LOCATION: CAFE

PL5
MANUF. FORMICA
PRODUCT: #9285-58 WHITE TWILL
FINISH: MATTE
LOCATION: BREAK ROOM

PL6
MANUF. FORMICA
PRODUCT: #CITADEL WARP
FINISH: MATTE
LOCATION: BREAK ROOM

PL7
MANUF. LAB DESIGN
PRODUCT: #DP762 MONET
FINISH: MATTE

WALLCOVERING

V1
MANUF. KOROSEAL
PATTERN: ZEN GARDEN
COLOR: #ZGD1-04 BOXWOOD

V2
MANUF. KOROSEAL
PATTERN: ZEN GARDEN
COLOR: #ZGD1-08 JUNIPER

V3
MANUF.: CARNEGIE
PATTERN: SLEET EMBROIDER
COLOR: 6299-809
LOCATION: MOVABLE WALLS

V4
MANUF.: GRAVITY DIGITAL WALLS
PATTERN: #G6-13-06 RINGS
COLOR: MUTED BRIGHTS
FINISH: TSM-WC-IL SIZE TO SPACE
LOCATION: MAIN STAIR

V5
MANUF.: LEVEL DIGITAL WALLS
PATTERN: ASPEN TRAIL
COLOR: NIGHT TIME
FINISH: #L17-0104
LOCATION: CORRIDOR

WP1
MANUF.: CS ACROVYN
SERIES: WOOD GRAIN
COLOR: TBD
FINISH: TEXTURED
LOCATION: WATER FOUNTAINS

AP1
MANUF.: TURF
SERIES: 9MM FELT PANEL
COLOR: #D04 WASHED ASH

WF1
MANUF.: TBD
SERIES: ROUGH CUT OAK
COLOR: TO MATCH WOOD SLAT CLG.

●CG
MANUF.: CS ACROVYN
SERIES: 48" VINYL SQUARE RADIUS
COLOR: TBD
TEXTURE: PEBBLE
SIZE: 2" LEG

TRANSITIONS

TR1
MANUF. SCHLUTER
PROFILE: DILEX-AHKA
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM COVE

TR2
MANUF. SCHLUTER
PROFILE: QUADEC
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM WALL CORNERS

TR3
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM TILE CAP

TR4
MANUF. SCHLUTER
PROFILE: RENO-U
FINISH: SATIN ALUMINUM
LOCATION: RESTROOMS ENTRY

TR5
MANUF. SCHLUTER
PROFILE: SCHIENE-RADIUS
FINISH: SATIN ALUMINUM
LOCATION: ROOM 105

TR6
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: THROUGHOUT AS APPROPRIATE

TB1
MANUF.: GUILFORD OF MAINE
PATTERN: FR-701 #2100
COLOR: #153 BALTIC
NOTES: 4'X5' UPHOLSTERED TACKBOARD

REFINISHING NOTE: EXISTING WOOD DOORS:
1. AWI STANDARD: ALL EXISTING WOOD DOORS SHALL BE REFINISHED IN ACCORDANCE WITH AWI EDITION 2, SECTION 5 (CUSTOM GRADE).
2. PREPARATION: REMOVE ALL HARDWARE. CHEMICALLY STRIP/SAND TO 100% BARE WOOD. FINAL SAND 120-150 GRIT. INVISIBLE SAND SCRATCHES AT 6' (1829 MM) UNDER NORMAL LIGHTING PERMITTED PER CUSTOM GRADE.
3. FINISH SYSTEM: AWI SYSTEM 11 (POLYURETHANE, CATALYZED). SATIN: MATCH ARCHITECT'S CONTROL SAMPLE. SHEEN: SATIN (30°-35° GLOSS LEVEL).
4. APPLICATION: MIN. 2 TOPCOATS OVER SEALER. TOTAL SYSTEM DRY FILM THICKNESS (DFT) 3.0-5.0 MILS. DE-NIB/SAND BETWEEN ALL COATS.
5. MOCK-UP: SUBMIT ONE (1) 12" \TIMES 12" SAMPLE ON MATCHING SPECIES SHOWING STAIN, SEALER, AND TOPCOAT FOR ARCHITECT APPROVAL PRIOR TO COMMENCING WORK.

INTERIOR WALL FINISHES

PRODUCT	DESCRIPTION	
CMU PREVIOUSLY PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM ULTRA SPEC INT/EXT ACRYLIC HIGH BUILD MASONRY PRIMER N609
	2nd/3rd COAT:	BM HIGH PERFORMANCE PRE CATALYZED WB EPOXY SEMI GLOSS HP3410
CMU PREVIOUSLY NOT PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	ULTRA SPEC HI BUILD MASONRY BLOCK FILLER 571
	2nd/3rd COAT:	BM HIGH PERFORMANCE PRE CATALYZED WB EPOXY SEMI GLOSS HP3410
GWB PREVIOUSLY PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM FRESH START HIGH HIDING PRIMER 046
	2nd/3rd COAT:	BM SCUFF X EGGSHELL FINISH N485
GWB PREVIOUSLY NOT PAINTED	MFR.	BENJAMIN MOORE
	FILLER:	NONE
	1st COAT:	BM ULTRA SPEC INTERIOR LATEX PRIMER N534
	2nd/3rd COAT:	BM ULTRA SPEC SCUFF-X EGGSHELL N485
EXIST. AND NEW STEEL MEMBERS	MFR.	BENJAMIN MOORE
	1st COAT:	HIGH PERFORMANCE ACRYLIC METAL PRIMER HP-1100
	2nd COAT:	HIGH PERFORMANCE ACRYLIC DTM PRIMER HP-3310
	3rd COAT:	HIGH PERFORMANCE ACRYLIC DTM PRIMER HP-3310
*	ALL COLORS AND SHEEN PER WALL FINISH LEGEND	
**	WALL COVERING PREPARATION PER WALL FINISH LEGEND	

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Seal:

REVISIONS

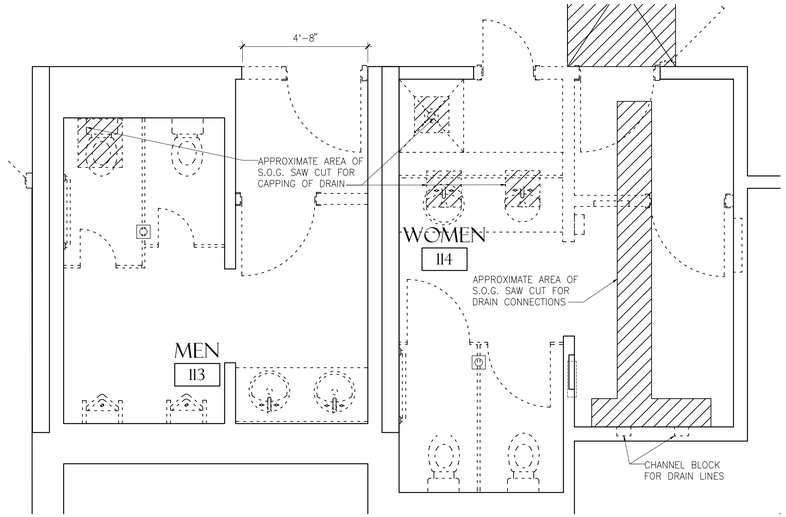
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
PROPOSED SECOND FLR - WALL FINISH PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

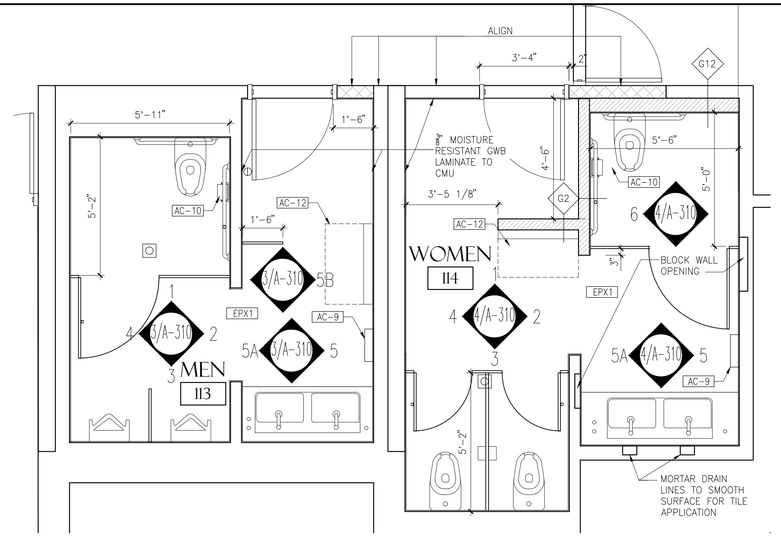
Scale:
AS NOTED

Drawing Number:
A-308



1 A-310 **ENLARGED RESTROOM DEMOLITION PLAN**

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



2 A-310 **ENLARGED RESTROOM PLAN**

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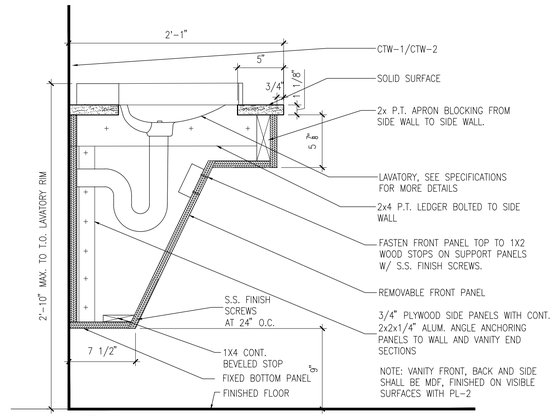
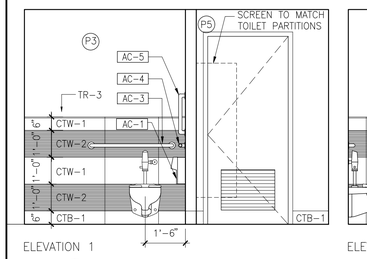
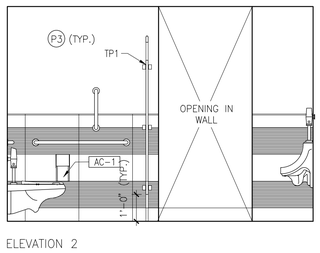


5 A-310 **SECTION DETAIL - VANITY**

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



ELEVATION 1



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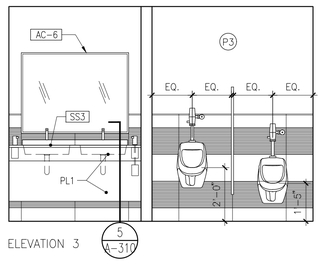

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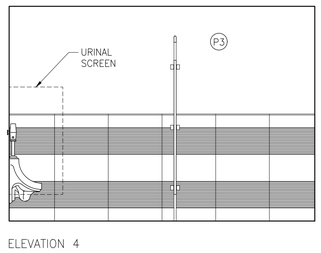
5 A-310



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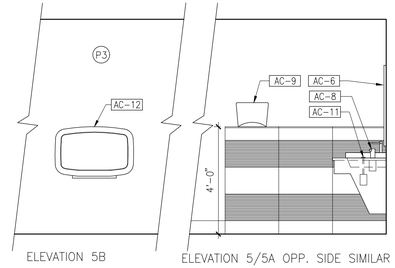
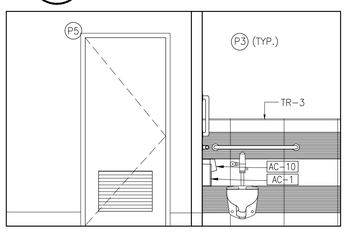


ELEVATION 5B

ELEVATION 5/5A OPP. SIDE SIMILAR

3 A310 **MEN'S RM ELEVATIONS**

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



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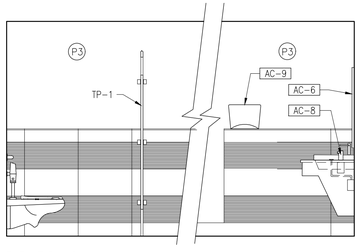

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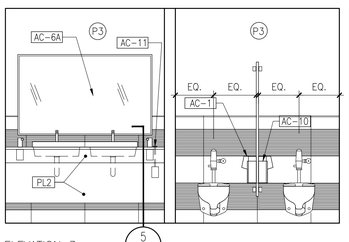
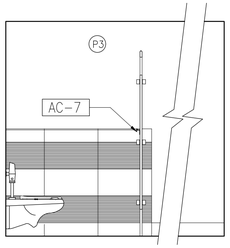
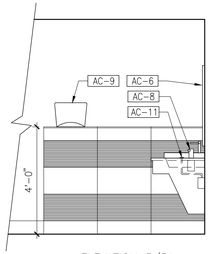


ELEVATION 3

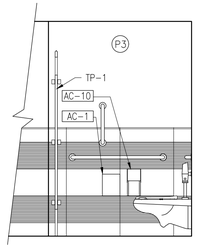
5 A-310



ELEVATION 4



ELEVATION 5/5A



ELEVATION 6

4 A310 **WOMEN'S RM ELEVATIONS**

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

TYP. FIXTURE / ACCESSORY SCHEDULE

NO.	ACCESSORY/SIZE	MANUF./MODEL #/ #/ FINISH
AC-1	SURFACE MTD. DUAL ROLL TOILET TISSUE DISPENSER	ASI/0030
AC-2	24" STAINLESS STEEL GRAB BAR	ASI/3700 – 24"
AC-3	36" STAINLESS STEEL GRAB BAR	ASI/3700 – 36"
AC-4	42" STAINLESS STEEL GRAB BAR	ASI/3700 – 42"
AC-5	18" STAINLESS STEEL VERTICAL GRAB BAR	ASI/3700–18"
AC-6	CHANNEL FRAME MIRROR – 48"W x 36"H	ASI/0620
AC-6A	CHANNEL FRAME MIRROR – 60"W x 36"H	ASI/0620
AC-7	HEAVY DUTY CLOTHES HOOK	ASI/8425
AC-8	AUTOMATIC FOAM SOAP DISPENSER, COUNTERTOP	ASI/ 0393–(n)
AC-9	SURFACE MOUNTED HAND DRYER	ASI/0185–93
AC-10	SURFACE MOUNTED NAPKIN DISPOSAL	ASI/0852
AC-11	TOP FILL, MULTI FEED SOAP TANK	ASI/0390
AC-12	BABY CHANGING STATION	

NOTES: ASI–AMERICAN SPECIALTIES INC.

FIXTURE & ACCESSORY GENERAL NOTES:

REFER TO SHEET G-002 FOR MOUNTING HEIGHTS.

A. PROVIDE BLOCKING FOR GRAB BARS, BABY STATION AND ALL SURFACE MOUNTED TOILET ACCESSORIES AS REQUIRED TO RESIST 250 LB. FORCE IN ANY DIRECTION. (TYP.)
B. PROVIDE PAINTED WOOD SPACER BEHIND MIRRORS AND OTHER ACCESSORIES ABOVE CERAMIC TILE TO FILL GAP BETWEEN MIRROR FRAME AND GWB. COLOR TO MATCH WALL.
C. ACCESSIBLE DOOR AND HARDWARE PER DOOR SCHEDULE ON SHEET A-700
D. TILE INSTALLATION METHOD REFER TO:
   "TCNA" HANDBOOK FOR CERAMIC, GLASS, AND STONE TILE INSTALLATION
   – W211-11 FOR MASONRY WALLS
   – W243-11 FOR METAL STUD WALLS W/ GYP. BD.

GENERAL NOTES:

A. ALL WALL MOUNTED FIXTURES (SIGNS, EL. SWITCHES & OUTLETS, FIRE ALARM & SUPPRESSION DEVICES, ON THE WALLS SCHEDULED TO RECEIVE NEW TILE, TO BE TEMPORARILY REMOVE AND STORED.

B. ALL TEMPORARILY REMOVED ITEMS TO BE REINSTALLED AT THE ORIGINAL LOCATION AFTER INSTALLATION OF NEW WALL TILES U.N.O.

C. IF CONDITIONS NOT SPECIFIED IN CONTRACT DOCUMENTS FOUND DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO ANY ACTION IN RELATION TO NOT SPECIFIED CONDITION.

D. CONTRACTOR SHALL NOT SCALE DRAWINGS, ALL DIMENSIONS TO BE VERIFIED IN FIELD.

CONSTRUCTION NOTES:

1. INSTALL NEW WALL TILES AS SHOWN ON ELEVATIONS.
2. AFTER REMOVAL WALL/ FLOOR FINISHES PREPARE ALL SURFACES TO RECEIVE NEW FINISHES IN FULL COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS AND INSTALLATION GUIDELINES. REMOVAL OF FLOOR FINISHES MAY REQUIRE NEW MUD SETTING BED.
3. THE CONTRACTOR SHALL REMOVE AND REPLACE PORTIONS OF EXISTING WALLS AS NECESSARY TO INSTALL NEW BLOCKING FOR WALL-MOUNTED ITEMS.
4. NEW FLOORING IN RESTROOMS SHALL BE FLUSH WITH NEW FLOORING IN CORRIDOR.
5. CONTRACTOR SHALL IDENTIFY, DISCONNECT, REROUTE, AND REINSTALL ALL MECHANICAL, ELECTRICAL, PLUMBING, LOW VOLTAGE, AND OTHER BUILDING SERVICES LOCATED WITHIN THE EXISTING WALL CAVITY THAT CONFLICT WITH THE PROPOSED WALL RELOCATION. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.

DEMO. NOTES:

1. REMOVE AND DISPOSE OF EXISTING FLOORING, THROUGHOUT.
2. REMOVE AND DISPOSE OF EXISTING WALL TILES AND BASE THROUGHOUT.
3. REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES, INCLUDING: TOILET BOWLS, URINALS & SINKS W/ ASSOCIATED FLUSH VALVES AND FAUCETS,
4. REMOVE AND DISPOSE OF EXISTING WALL MOUNTED HAND DRIER.
5. REMOVE AND DISPOSE OF EXISTING RECESSED PAPER TOWEL DISPENSER AND TRASH RECEPTACLE.
6. REMOVE AND DISPOSE OF EXISTING WALL MOUNTED SOAP DISPENSERS.
7. REMOVE AND DISPOSE OF EXISTING LAVATORY COUNTER.
8. REMOVE EXIST. MOP SINK AND ASSOCIATED FAUCET AND PIPING.
9. REMOVE AND DISPOSE OF EXISTING MIRRORS.
10. REMOVE AND DISPOSE OF EXISTING WALL MOUNTED LIGHT FIXTURES.

FLOOR FINISH LEGEND

EPX1
MANUF. DUR-A-FLEX
STYLE: DECO FLAKE
COLOR: BOTTLENOSE
SIZE: ⅛" FLAKE

TOILET PARTITIONS

TP1
MANUF.: SCRANTON
SERIES: HINY HIDERS
COLOR: GREY
FINISH: ORANGE PEEL
LOCATION: RESTROOMS

SOLID SURFACE

SS3
MANUF.: WILSONART
SERIES: –
COLOR: #9218 GREY BEOLA
FINISH: MATTE/ LOW GLOSS
LOCATION: RESTROOMS

TRANSITIONS

TR1
MANUF. SCHLUTER
PROFILE: DILEX-AHKA
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM COVE

TR2
MANUF. SCHLUTER
PROFILE: QUADEC
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM WALL CORNERS

TR3
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: RESTROOM TILE CAP

TR4
MANUF. SCHLUTER
PROFILE: RENO-U
FINISH: SATIN ALUMINUM
LOCATION: RESTROOMS ENTRY

TR5
MANUF. SCHLUTER
PROFILE: SCHIENE-RADIUS
FINISH: SATIN ALUMINUM
LOCATION: ROOM 105

TR6
MANUF. SCHLUTER
PROFILE: SCHIENE
FINISH: SATIN ALUMINUM
LOCATION: THROUGHOUT AS APPROPRIATE

WALL FINISH LEGEND

PAINT

P3
MANUF. BENJAMIN MOORE
COLOR: #875 BLUE VEIL
FINISH: EGGSHELL
LOCATION: SEE PLAN

SOLID SURFACE

PL2
MANUF. FORMICA
PRODUCT: #8824-58 WHITE DROPS
FINISH: MATTE
LOCATION: RESTROOMS

WALL TILE

CTW-1
MANUF. DALTILE
STYLE: VOLUME 1.0
SIZE: #CP01 GESSO GLOSS (WHITE)
COLOR: 12"X24" STACK INSTALL

CTW-2
MANUF. DALTILE
STYLE: VOLUME 1.0
COLOR: #VL70 AMPLIFY BLACK
SIZE: 12"X24" STACK INSTALL
LOCATION: ACCENT BAND

GROUT
MANUF. LATICRETE
COLOR: #44 BRIGHT WHITE
STYLE: WALL TILE
LOCATION: RESTROOM

CTB-1
MANUF. DALTILE
COLOR: VOLUME 1.0
STYLE: #CP01 GESSO GLOSS
LOCATION: RESTROOM

NOTE: SEE SHEET G-002 FOR FURTHER INFO ON ACCESSIBILITY STANDARDS AND CLEARANCES

LEGEND

EL. 0'0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	EXIST. LOAD BEARING WALLS
	NEW STUD WALL CONSTRUCTION
	NEW MASONRY WALL CONSTRUCTION
	EXISTING DOOR TO REMAIN
	EXISTING DOOR/ FRAME TO BE REMOVED
	NEW DOOR/ FRAME/ HARDWARE

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Seal:

REVISIONS

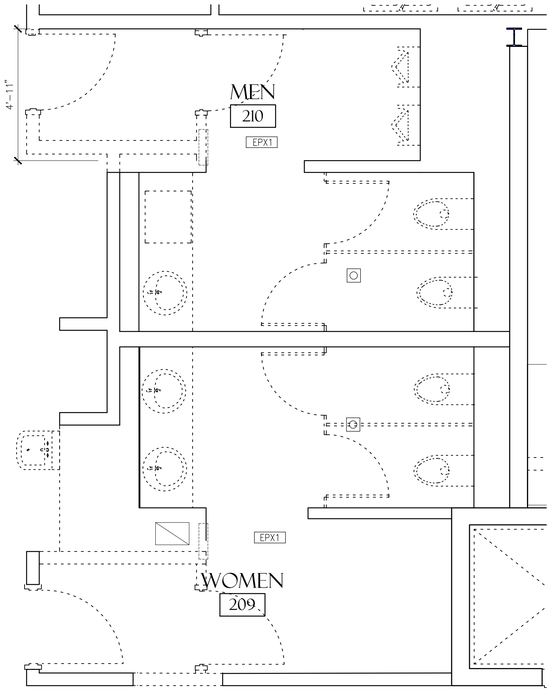
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
FIRST FLOOR RESTROOM PLAN & ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

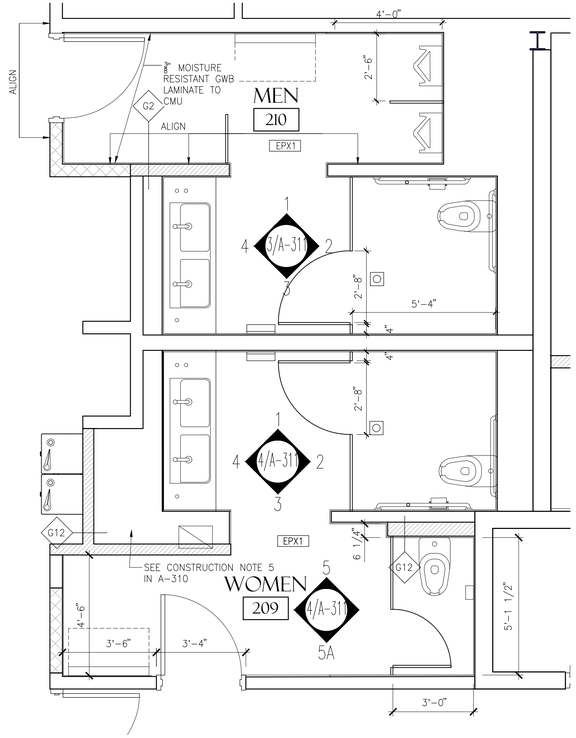
Scale:
AS NOTED

Drawing Number:
A-310



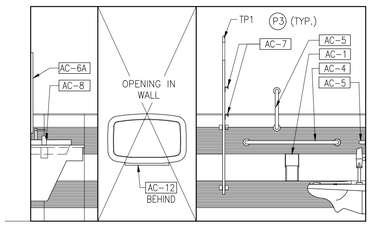
1 A-311 ENLARGED RESTROOM DEMOLITION PLAN

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

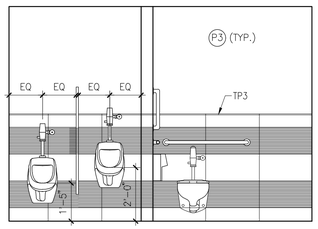


2 A-311 ENLARGED RESTROOM PLAN

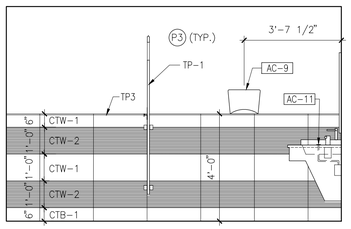
SCALE: 3/8" = 1'-0"



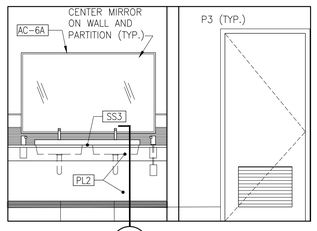
ELEVATION 1



ELEVATION 2



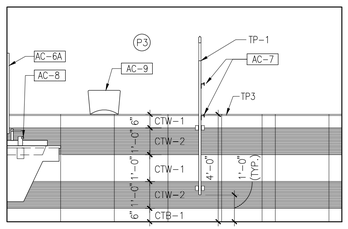
ELEVATION 3



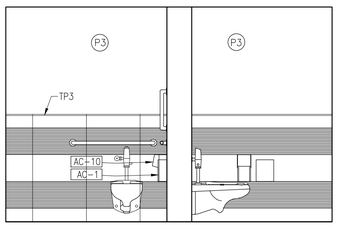
ELEVATION 4

3 A311 MEN'S RM ELEVATIONS

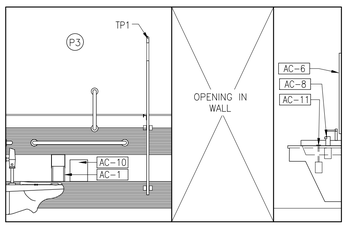
SCALE: 3/8" = 1'-0"



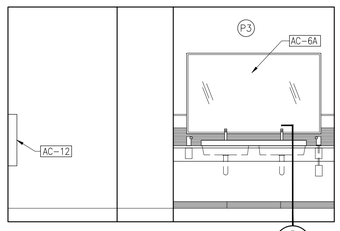
ELEVATION 1



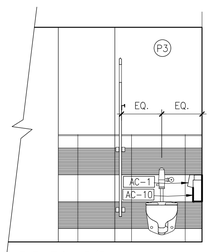
ELEVATION 2



ELEVATION 3



ELEVATION 4



ELEVATION 5/5A
OPP. SIDE SIMILAR
EXCEPT NO WALL HUNG TOILET

4 A311 WOMEN'S RM ELEVATIONS

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

LEGEND	
EL. 12'-0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	NEW STUD WALL CONSTRUCTION
	NEW MASONRY WALL CONSTRUCTION
	EXISTING DOOR TO REMAIN
	EXISTING DOOR/ FRAME TO BE REMOVED
	NEW DOOR/ FRAME/ HARDWARE

NOTE: SEE SHEET G-002 FOR FURTHER INFO ON ACCESSIBILITY STANDARDS AND CLEARANCES

SEE A-310 FOR ACCESSORIES AND FINISH LEGEND

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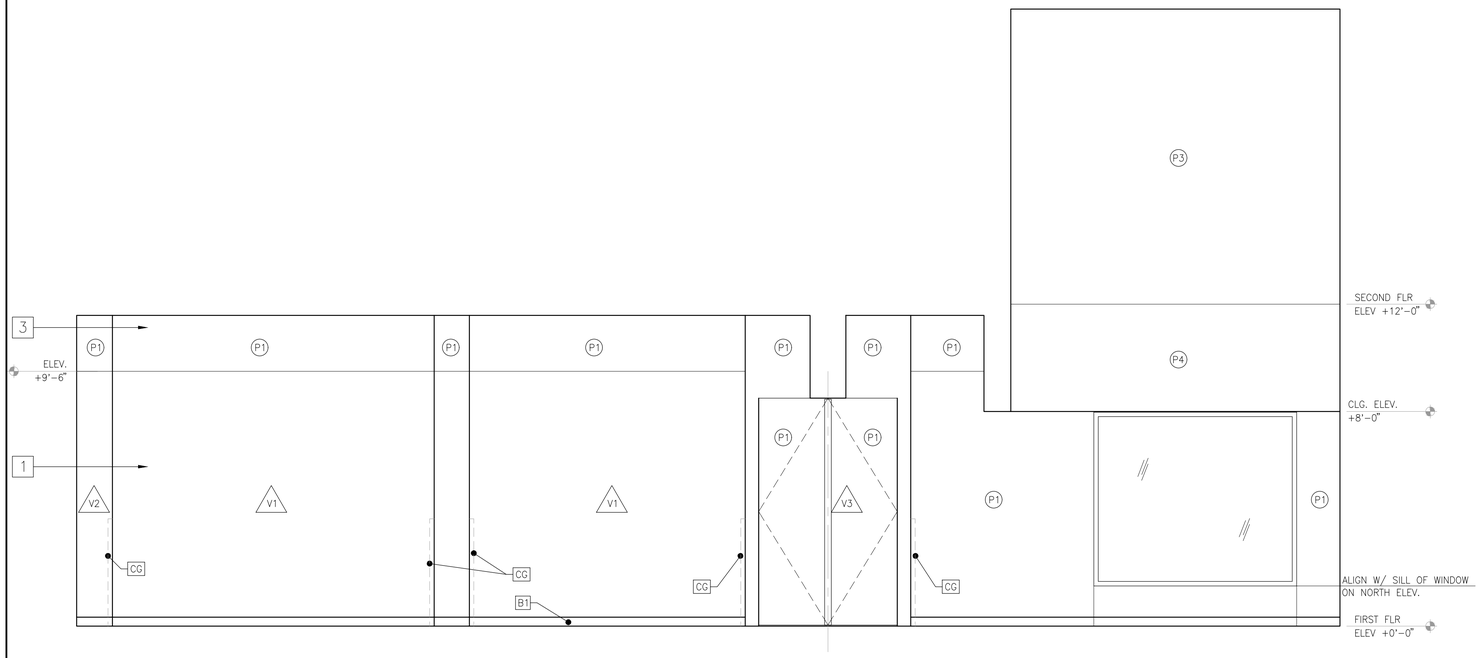
	06-19-2026	ISSUED FOR BID	

Drawing:
SECOND FLOOR RESTROOM PLAN & ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

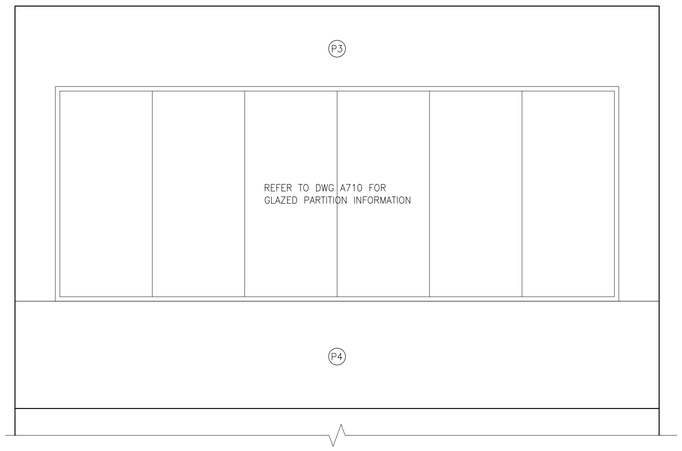
Scale:
AS NOTED

Drawing Number:
A-311



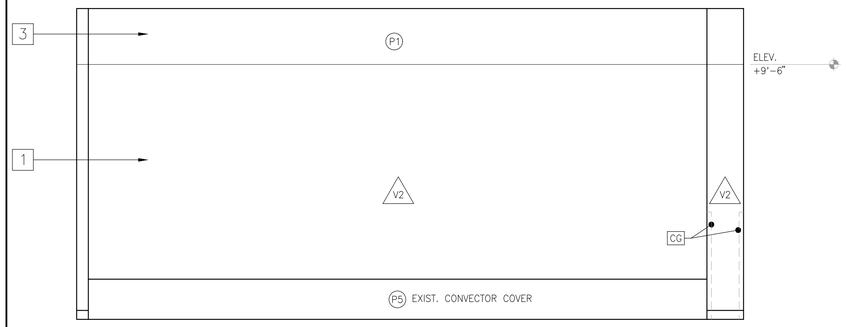
1 A-312 RECREATION ROOM SHARED WITH YOUTH BUREAU ELEVATION 107/106

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



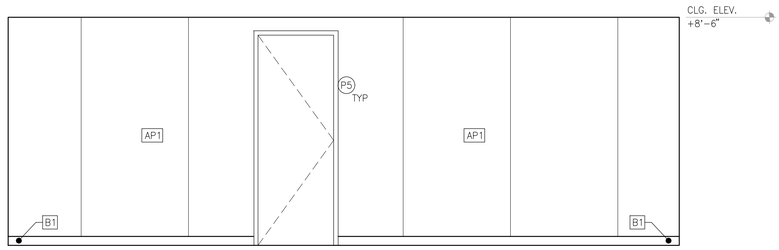
1.1 A-312 UPPER RECREATION ROOM 106

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



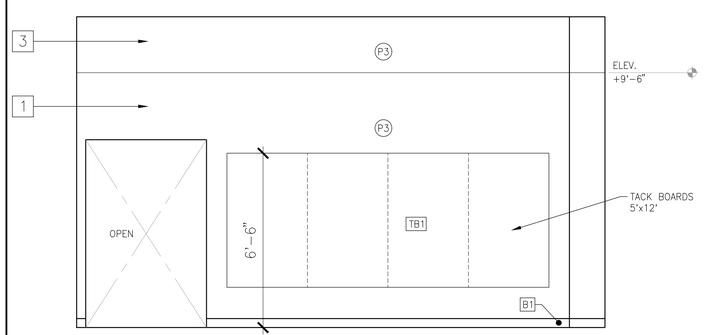
2 A-312 RECREATION ROOM SHARED WITH YOUTH BUREAU ELEVATION 107

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



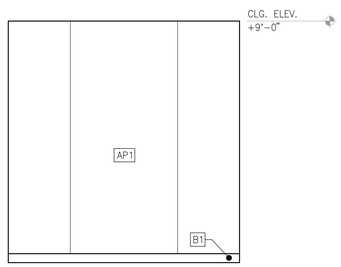
3 A-312 LOUNGE AREA - AQUEDUCT ROOM ELEVATION 105

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



5 A-312 YOUTH BUREAU OFFICE ELEVATION 108

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



4 A-312 LOUNGE AREA - AQUEDUCT ROOM ELEVATION 105

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

KEY NOTES:

1. NEW ⅜" GWB DIRECTLY ADHENED TO EXIST. CMU WALL W/ CONSTRUCTION ADHESEVE
2. EXTEND GWB 2" ABOVE SUSPENDED CEILING HEIGHT.
3. PAINTED CMU

EXTEND LAMINATION OF ⅜" GWB ON ALL CMU WALLS IN RESPECTIVE ROOMS SEE A-101

GENERAL FINISH NOTES:

A. PROVIDE SMOOTH AND LEVEL TRANSITION BETWEEN DIFFERENT FLOORS.
B. EXTEND ROOM FINISHES INTO ADJACENT CLOSETS AND SIMILAR SPACES, U.O.N.
C. INSTALL FLOORING PRIOR TO INSTALLATION OF CASEWORK & EQUIPMENT.
D. CONTRACTOR SHALL PROVIDE PAINT, WOOD STAIN AND FINISH SAMPLES FOR ARCHITECT'S APPROVAL FOR EACH ITEM AND EACH SPECIES OF THE WOOD.
E. CONTRACTOR SHALL PROVIDE SAMPLES FOR ARCHITECT'S APPROVAL FOR EACH TYPE OF THE CERAMIC TILES SOLID SURFACES PLASTIC LAMINATE AND COUNTERS.
F. AT PREVIOUSLY PAINTED SURFACES, CONTRACTOR SHALL OMIT BLOCK FILLER.
G. AT PREVIOUSLY PAINTED SURFACES, CONTRACTOR MAY OMIT PRIMER. FIRST COAT MAY BE OMITTED WHEN EXIST. COLOR IS A SIMILAR TONE & ONE COAT IS SUFFICIENT TO COMPLETELY CONCEAL EXIST. PAINT.
H. REPAIR EXPOSED CMU ABOVE LAMINATED GWB W/ MORTAR BEFORE FINISHING.
I. FILL GAPS AT CMU WALL AT HVAC DUCTS AND PIPE PENETRATIONS WITH BACKER ROD AND ACOUSTIC SEALANT TO FILL GAPS UP TO 1". REPAIR LARGE GAPS W/ MORTAR FIRST THAN APPLY SEALANT AROUND DUCT FOR FLEXIBILITY AND AIR TIGHTEST. INSTALL NEOPRENE OR RUBBER WRAP WHERE DUCT TOUCHES CMU TO PREVENT TRANSMISSION OF VIBRATION.
J. ALL FINISHES SHALL BE CLASS C FOR ROOMS (NOT SPRINKLERED), EXCEPT THAT CLASS A FINISHES ARE REQUIRED FOR THE EXIT PASSAGEWAYS AND CORRIDORS.

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Seal:

REVISIONS

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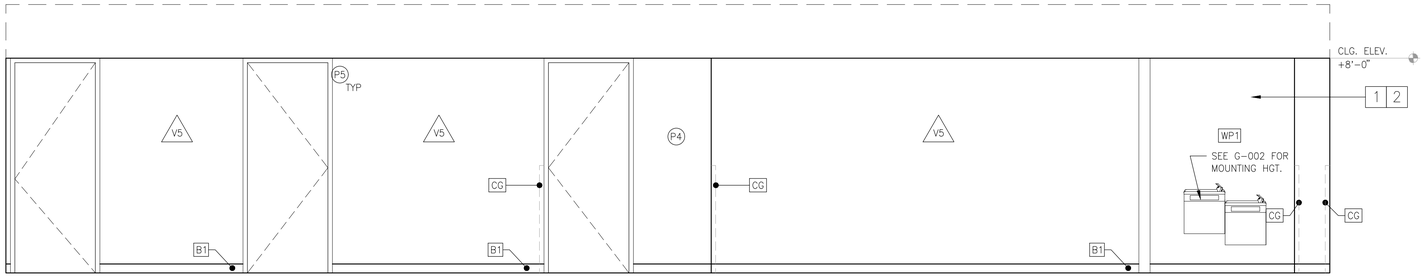
	06-19-2026	ISSUED FOR BID	

Drawing:
FIRST FLOOR INTERIOR ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

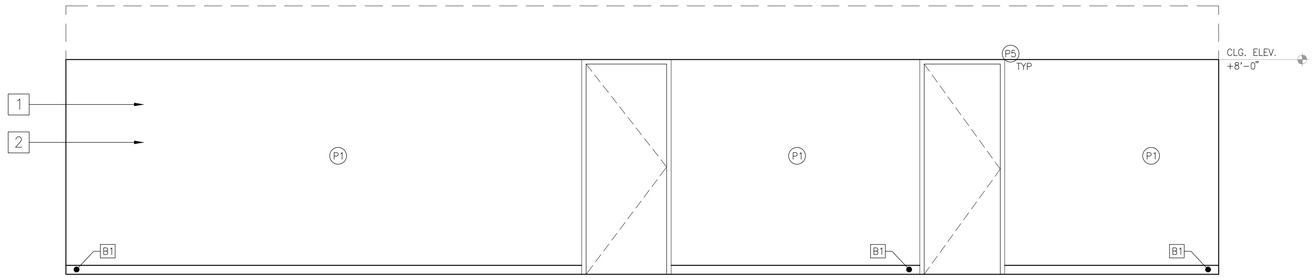
Scale:
AS NOTED

Drawing Number:
A-312



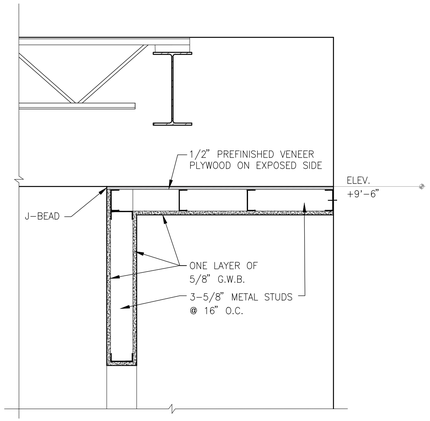
1 A-313 HALLWAY ELEVATION 123 SOUTH

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



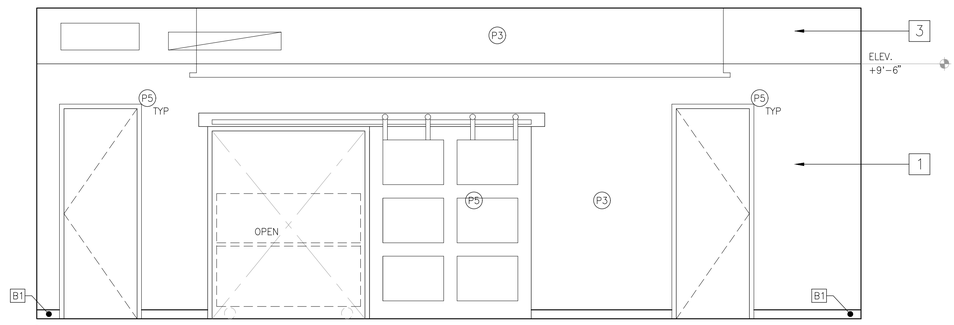
2 A-313 HALLWAY ELEVATION 123 NORTH

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



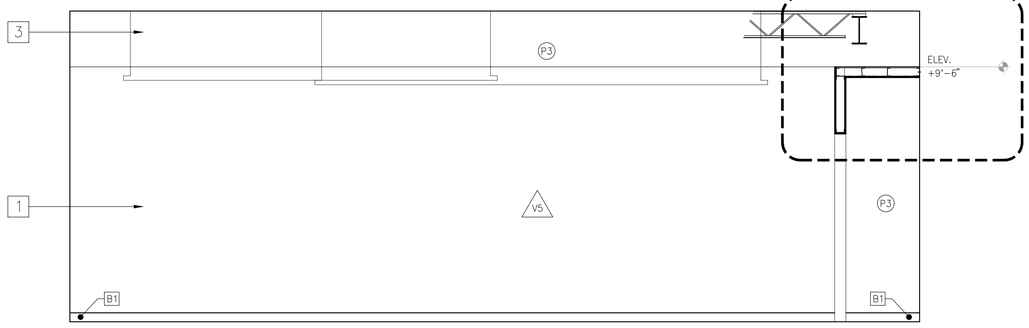
6 A-313 DETAIL SECTION

SCALE: 1" = 1'-0"



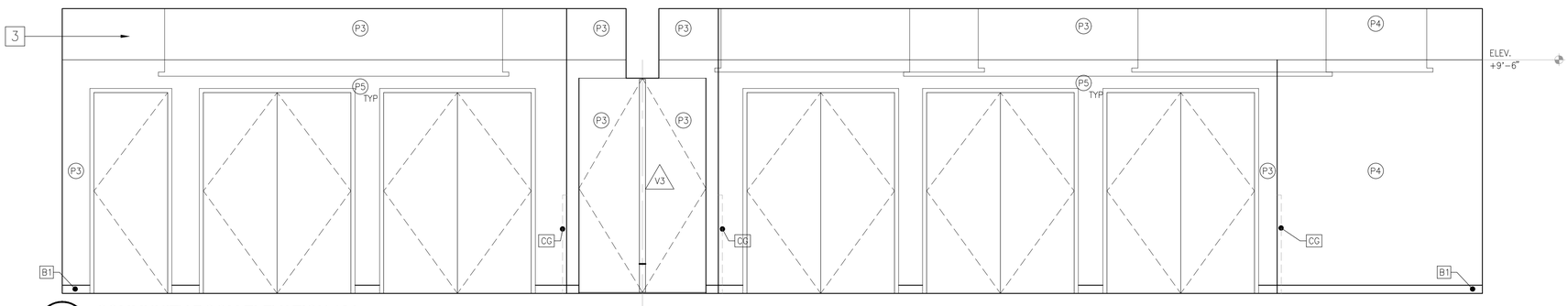
3 A-313 COMMUNITY ROOM ELEVATION 104

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



4 A-313 COMMUNITY ROOM ELEVATION 104

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



5 A-313 COMMUNITY ROOM ELEVATION 104

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

SEE A-312 FOR KEY NOTES AND GENERAL FINISH NOTES

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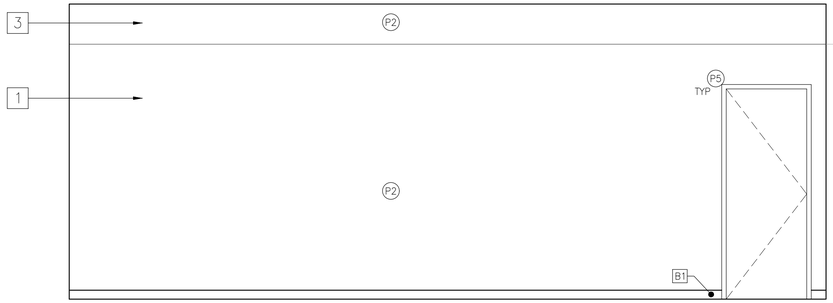
Drawing:
FIRST FLOOR INTERIOR ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

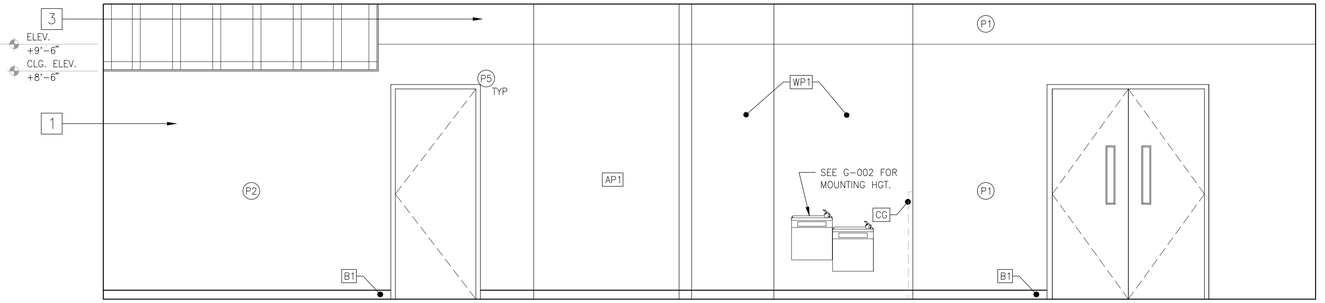
Scale:
AS NOTED

Drawing Number:
A-313



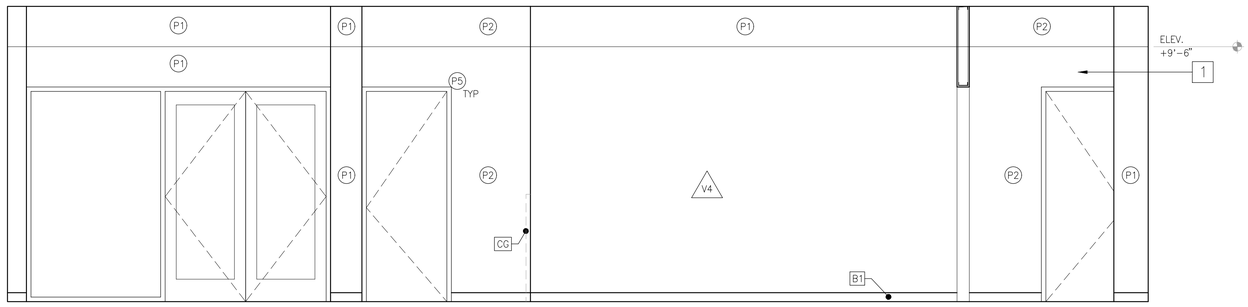
1 A-314 HUDSON ROOM ELEVATION 206

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



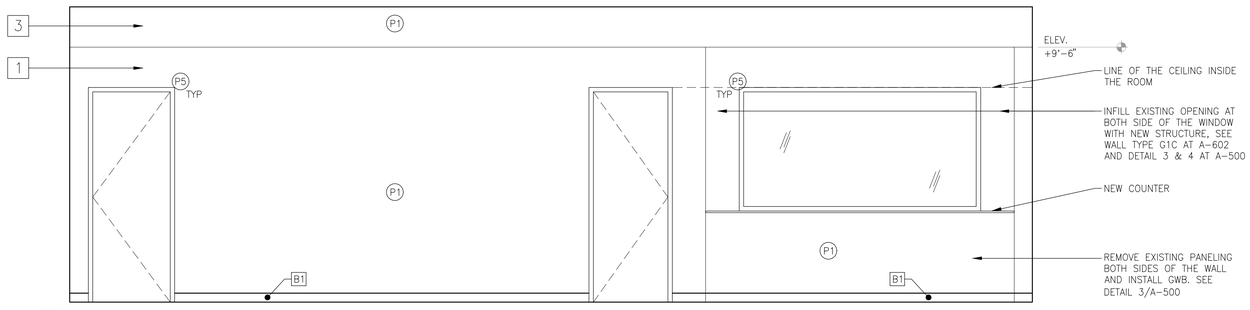
4 A-314 OPEN COMMON SPACE ELEVATION 207

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



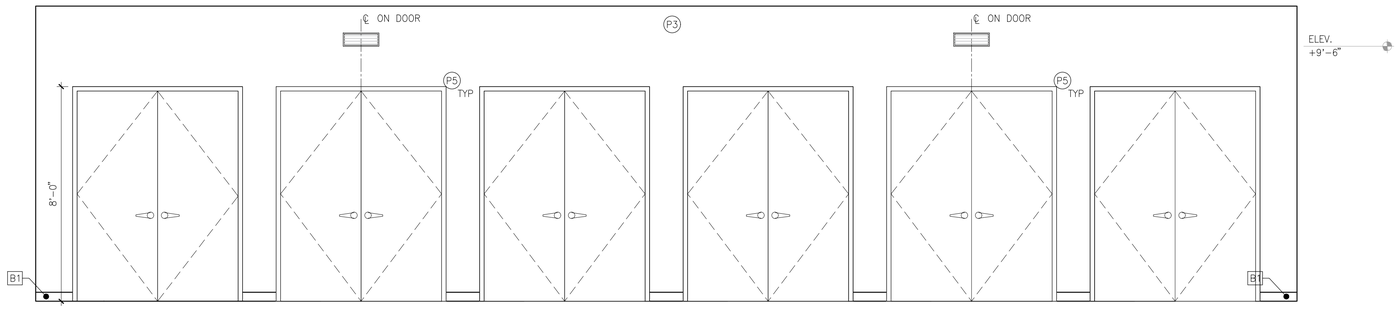
2 A-314 HALLWAY ELEVATION 201

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



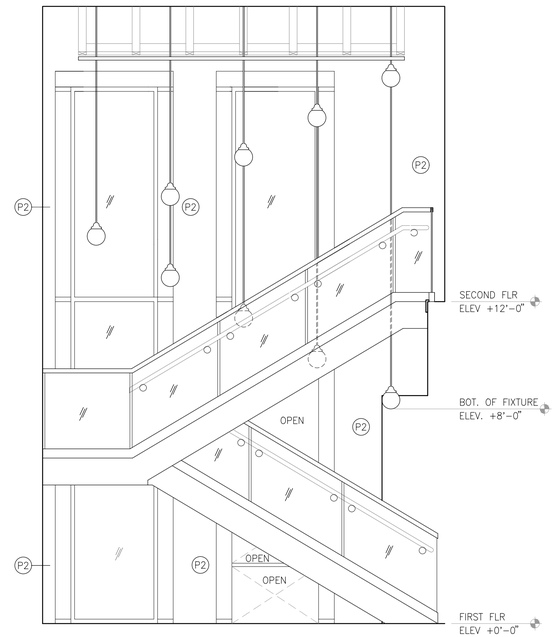
3 A-314 HALLWAY ELEVATION 201

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



6 A-314 NORTH HIGHLAND ROOM / PATIO 213 CLOSET WALL ELEVATION

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



5 A-314 STAIR B ELEVATION 208

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

SEE A-312 FOR KEY NOTES AND GENERAL FINISH NOTES

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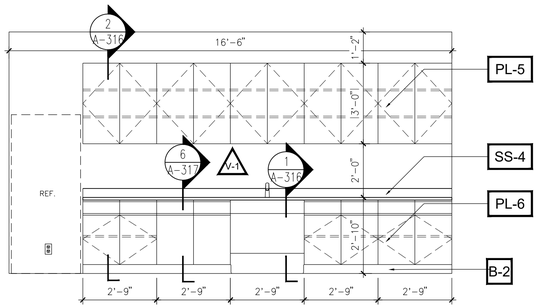
Drawing:
SECOND FLOOR INTERIOR ELEVATIONS

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
AS NOTED

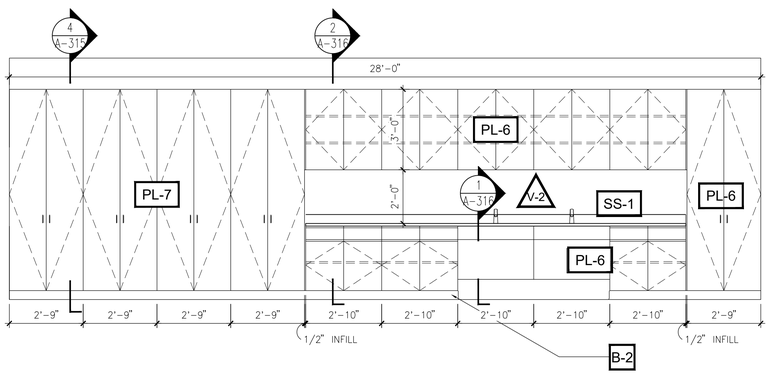
Drawing Number:
A-314

LEGEND	
EL. 0'0"	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	EXIST. LOAD BEARING WALLS
	NEW STUD WALL CONSTRUCTION
	NEW MASONRY WALL CONSTRUCTION
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	NEW DOOR



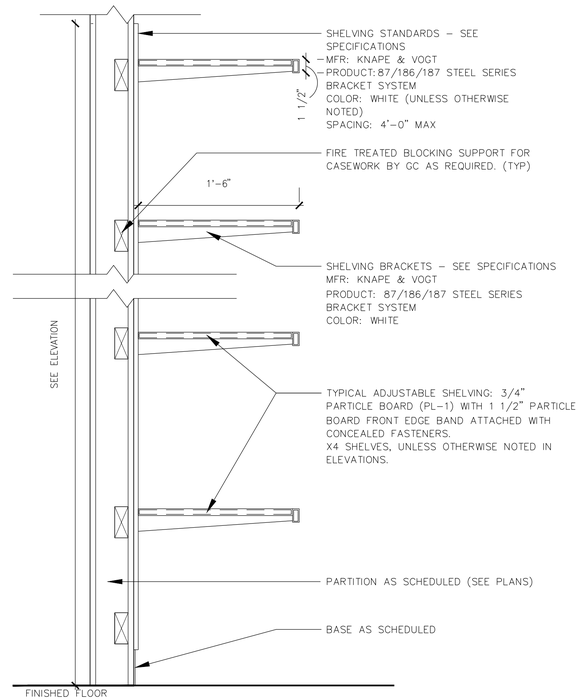
2 A-315 WORK ROOM KITCHENETTE MILLWORK ELEVATION RM. 214

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



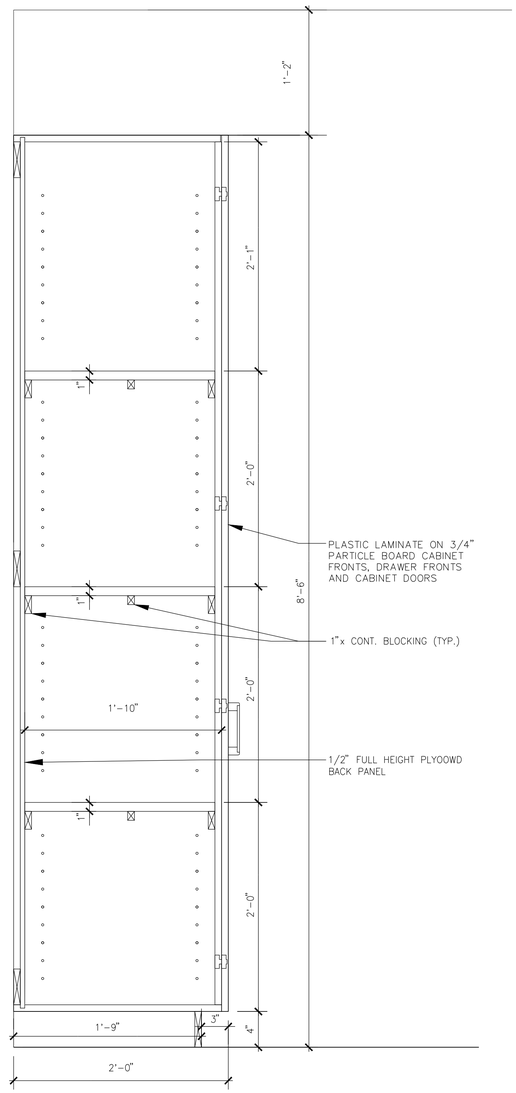
1 A-315 ART ROOM MILLWORK ELEVATION RM. 213

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



3 A-315 CLOSET WALLMOUNTED SHELVING RM. 212

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



4 A-315 CASEWORK SECTION DETAIL

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

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	06-19-2026	ISSUED FOR BID	

Drawing:
MILLWORK ELEVATIONS

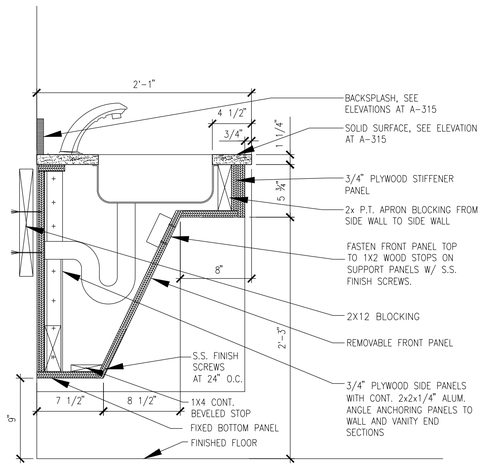
Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
AS NOTED

Drawing Number:
A-315

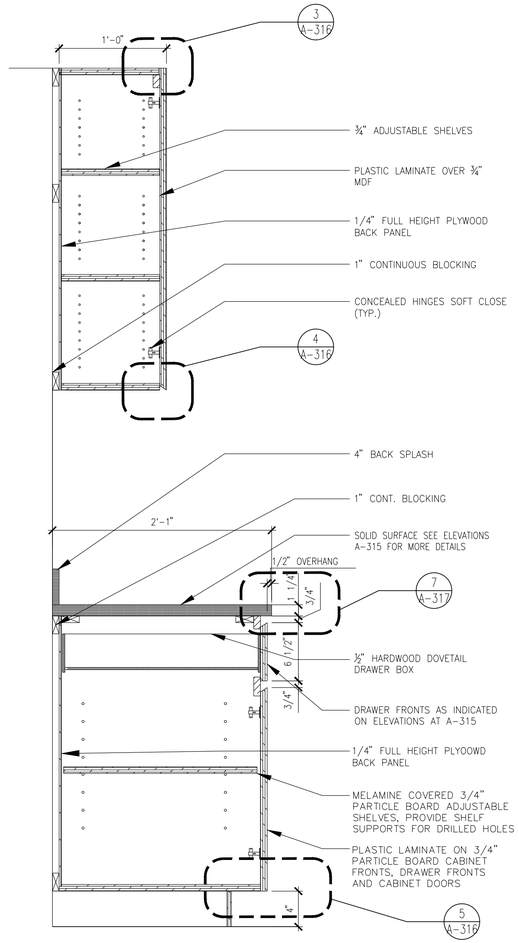
CABINETS NOTE:

CASEWORK CORE: 3/4" THK. MDF – INDUSTRIAL GRADE,
EXPOSED SURFACE: HPL (HIGH PRESSURE LAMINATE), CONCEALED SURFACES: MELAMINE



1 / A-316 CASEWORK SECTION DETAIL

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



2 / A-316 CASEWORK SECTION DETAIL

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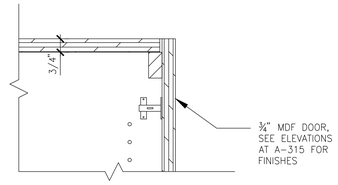
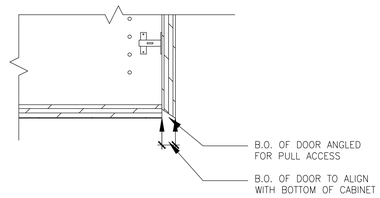


3 UPPER CABINET HEAD DETAIL

SCALE: 3" = 1'-0"



4 UPPER CABINET PULL DETAIL

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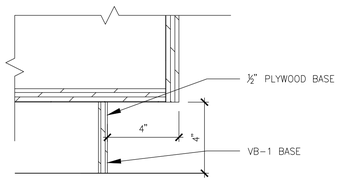

5 LOWER CABINET DETAIL

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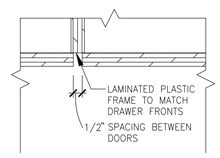

7 TYPICAL HORIZONTAL CABINET DOOR/DRAWER SPACING DETAIL

SCALE: 3" = 1'-0"

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24012	MAS	JK

Scale:
AS NOTED

Drawing Number:
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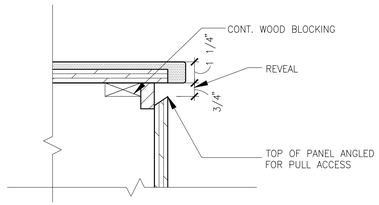
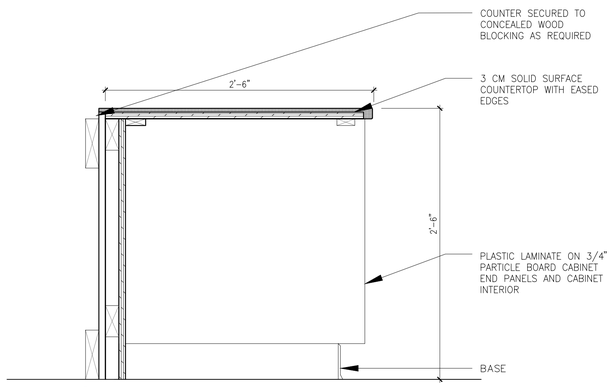


7 / -
CABINET DETAIL
SCALE: 3" = 1'-0"



4 / A-317
CASEWORK SECTION DETAIL
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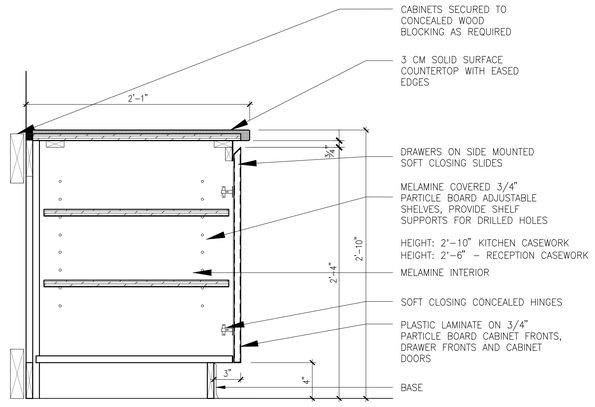

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CASEWORK SECTION DETAIL
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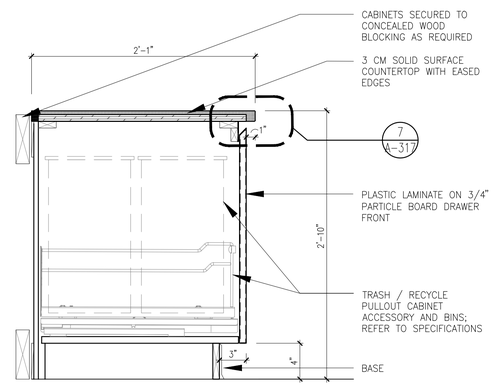

6 / A-317
CASEWORK SECTION DETAIL
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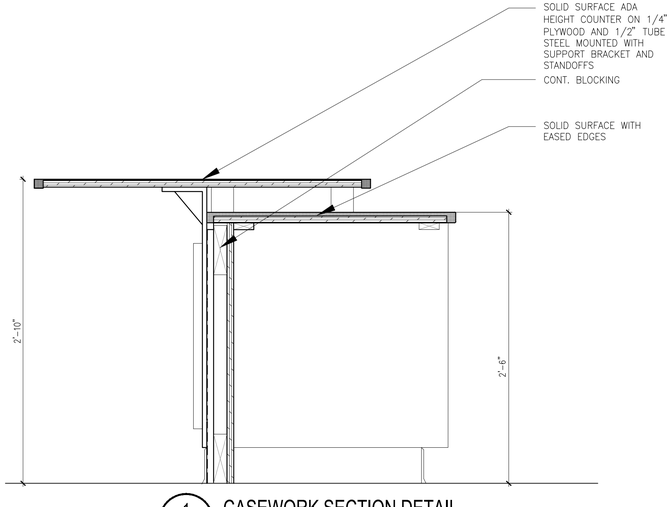
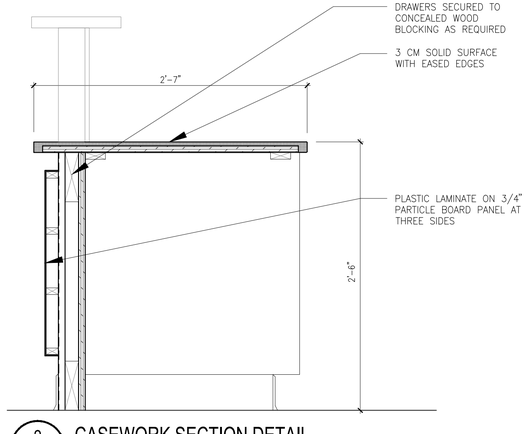


1 / A-317
CASEWORK SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



2 / A-317
CASEWORK SECTION DETAIL
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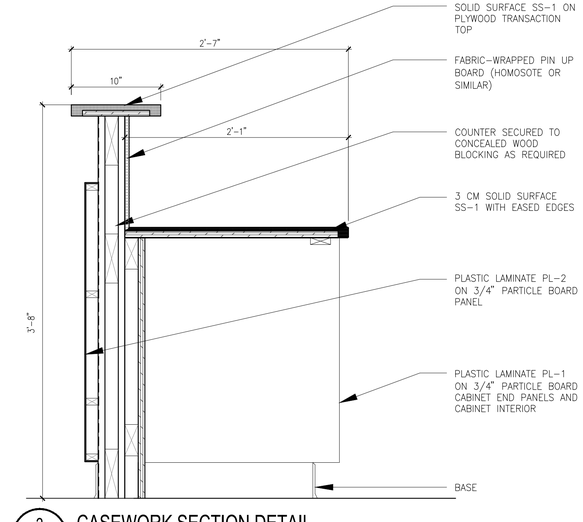

3 / A-317
CASEWORK SECTION DETAIL
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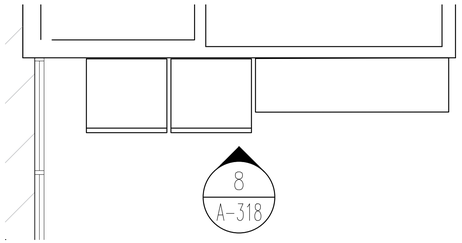
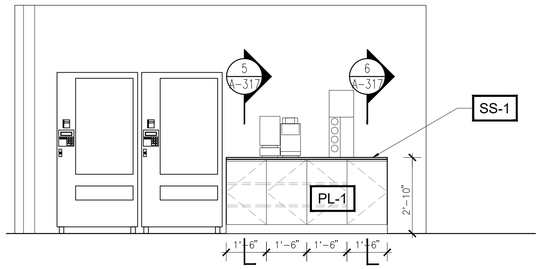
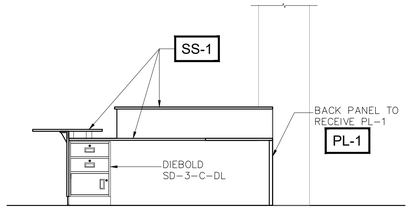


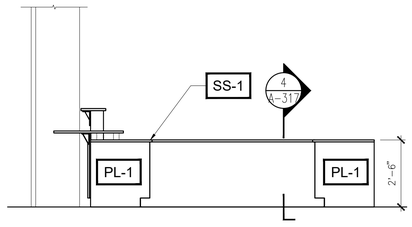
7 A-318 CASEWORK ELARGED PLAN
SCALE: 3/8" = 1'-0"



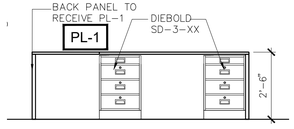
8 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



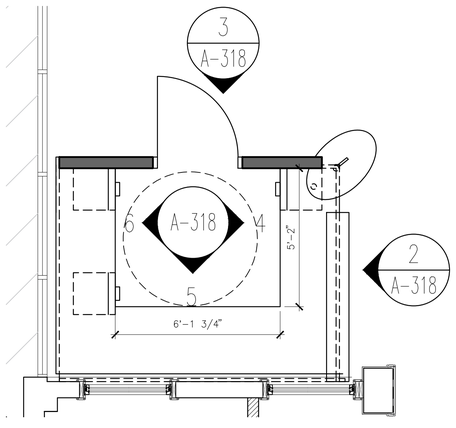
4 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



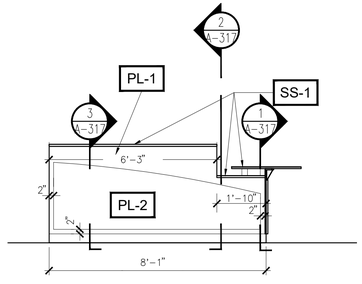
5 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



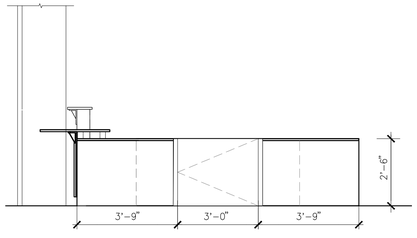
6 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



1 A-318 CASEWORK ENLARGED PLAN
SCALE: 3/8" = 1'-0"



2 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



3 A-318 CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"

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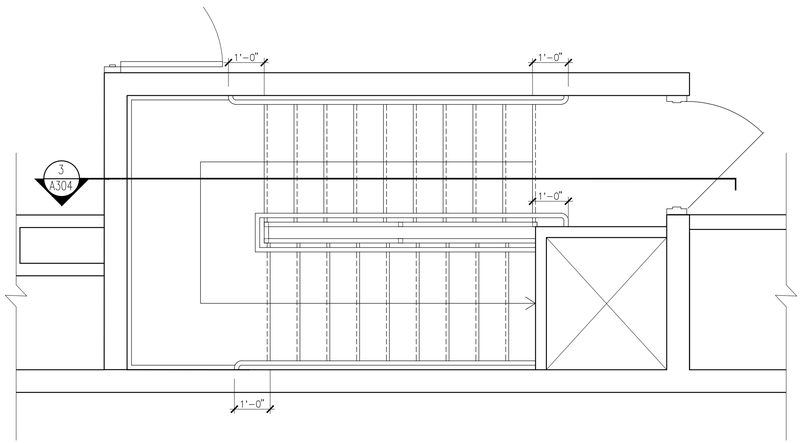
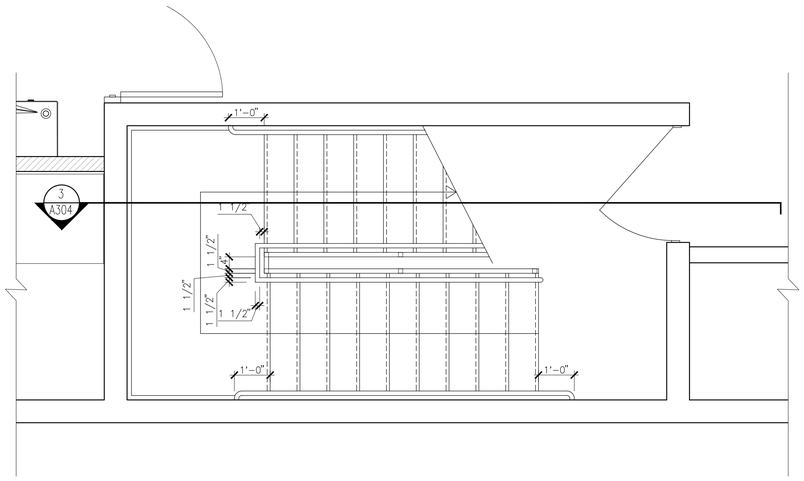


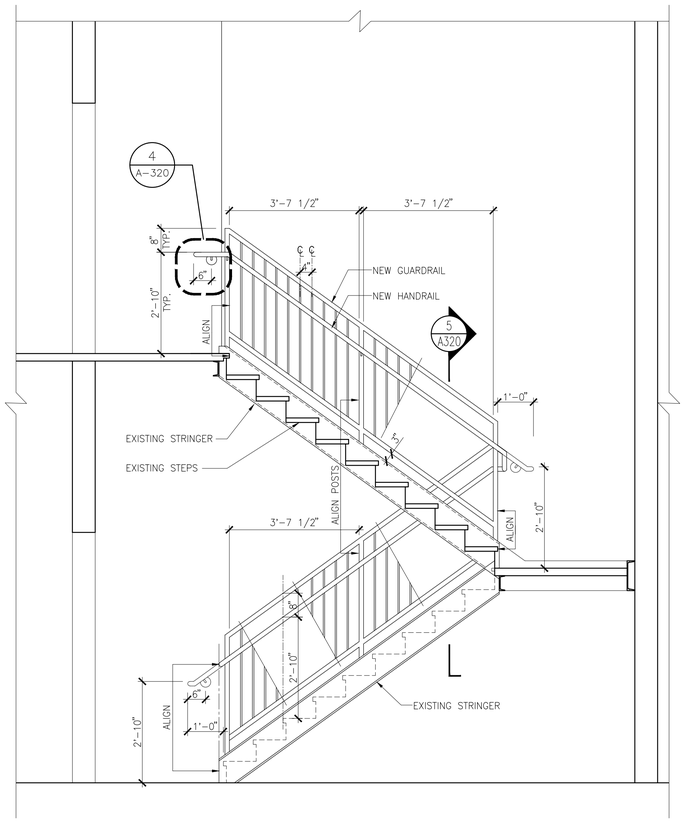
2 A-320 PARTIAL SECOND FLOOR PLAN

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



1 A-320 PARTIAL FIRST FLOOR PLAN

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



3 A-320 SECTION

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

MISCELLANEOUS FINISH LEGEND

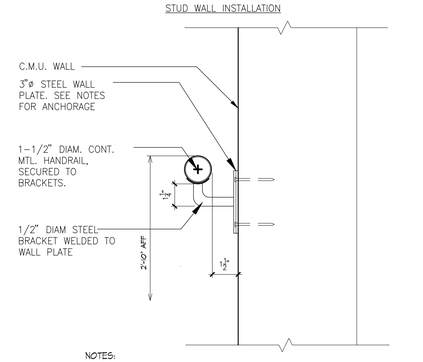
STEEL STAIR & RAILING

SR-1	MANUF.	BENJAMIN MOORE
	PRIMER:	BM ULTRASPEC HP ACRYLIC (HP-04)
	2ND COAT:	BM ULTRASPEC HP DTM (HP-294)
	3RD FINISH COAT:	BM ULTRASPEC HP DTM (HP-294)
	COLOR:	T.B.D.
	SHEEN:	SEMI-GLOSS

GENERAL NOTES:

1. CONTRACTOR TO V.I.F. ALL DIMENSIONS
2. EXISTING RAILING TO BE REMOVED IN ITS ENTIRETY.
3. EXISTING POST REMOVAL SPOTS TO BE TREATED TO ACHIEVE SMOOTH SURFACE AS REQUIRED TO RECEIVE NEW FINISHES.
4. ALL WELDS TO BE GRIND AND POLISHED TO SMOOTH SURFACE.
5. ALL STEEL MEMBERS; EXISTING AND NEW TO BE PAINTED SR-1 SEE FINISH LEGEND.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS PREPARED PER VERIFIED IN FIELD DIMENSIONS.

STUD WALL INSTALLATION



NOTES:

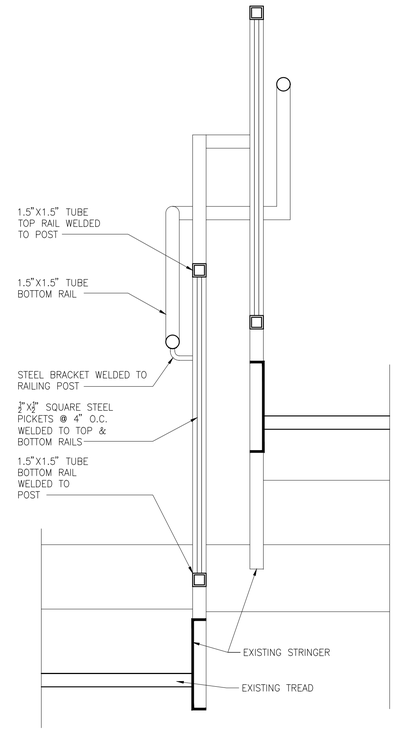
ANCHOR TO SOLID OR GROUTED CMU W/ 3/8" FLAT HEAD STEEL EXPANSION SLEEVE BOLTS.

ANCHOR TO HOLLOW CMU WITH 3/8" FLAT HEAD BOLTS FIXED IN CAVITY W/ CHEMICAL ANCHORS FOR HOLLOW MASONRY AND INTERNALLY THREADED ANCHOR SLEEVES.

INSTALLATION MUST WITHSTAND 250 LB. FORCE IN ANY DIRECTION.

4 A-320 HANDRAIL BRACKET @ CMU WALL

SCALE: 3" = 1'-0"



5 A-320 PARTIAL FIRST FLOOR PLAN

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

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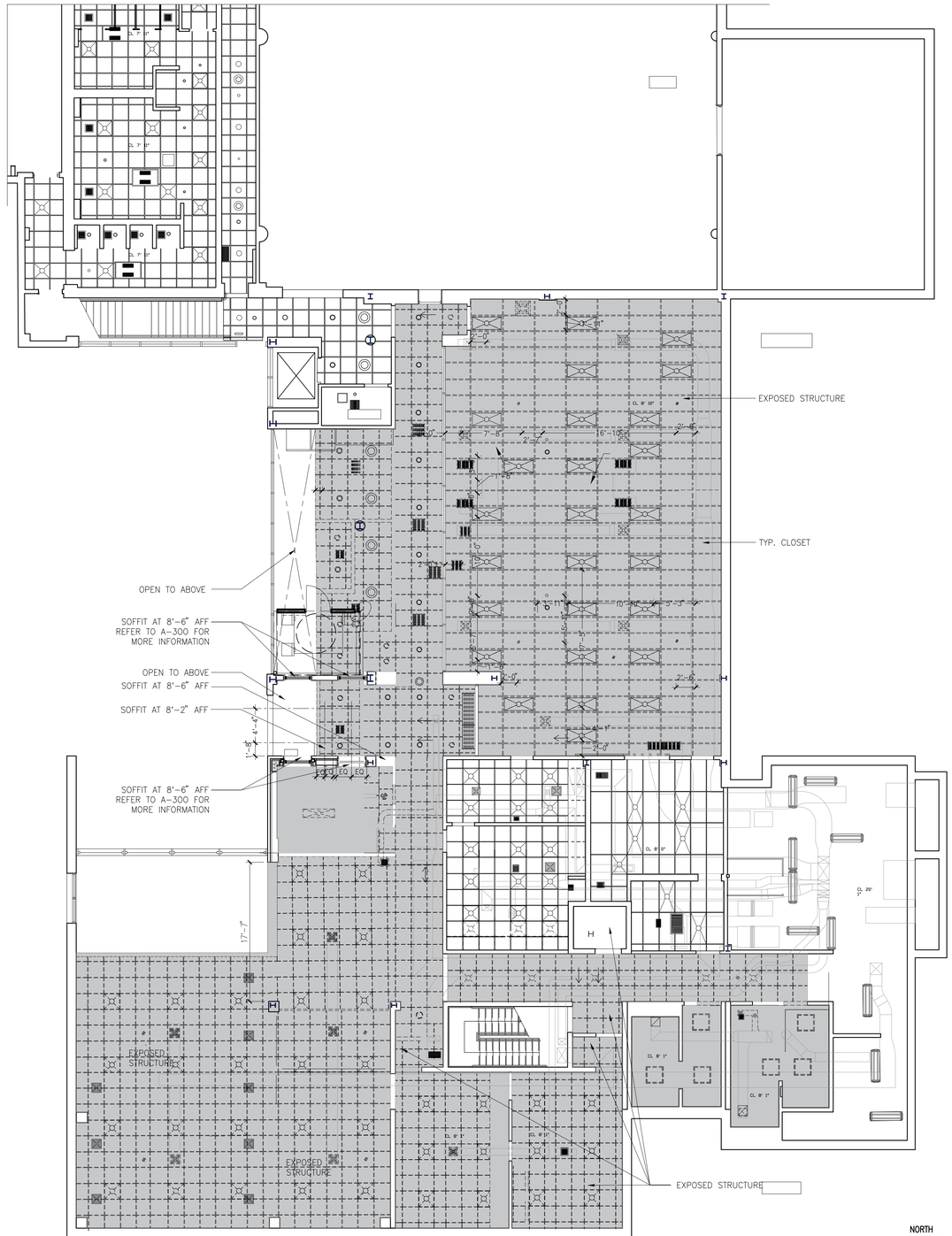
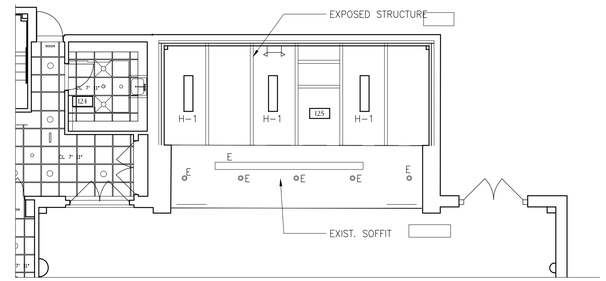


1 AD-401 FIRST FLOOR DEMOLITION RCP

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

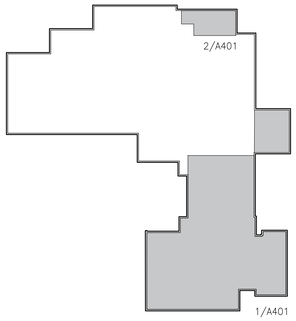


2 AD-401 FIRST FLOOR DEMOLITION RCP

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

LEGEND:

SHADED AREA REPRESENTS
CEILING TO BE REMOVED IN ITS ENTIRETY



KEY PLAN

SCALE: N.T.S.

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
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Consultants

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Seal:

REVISIONS

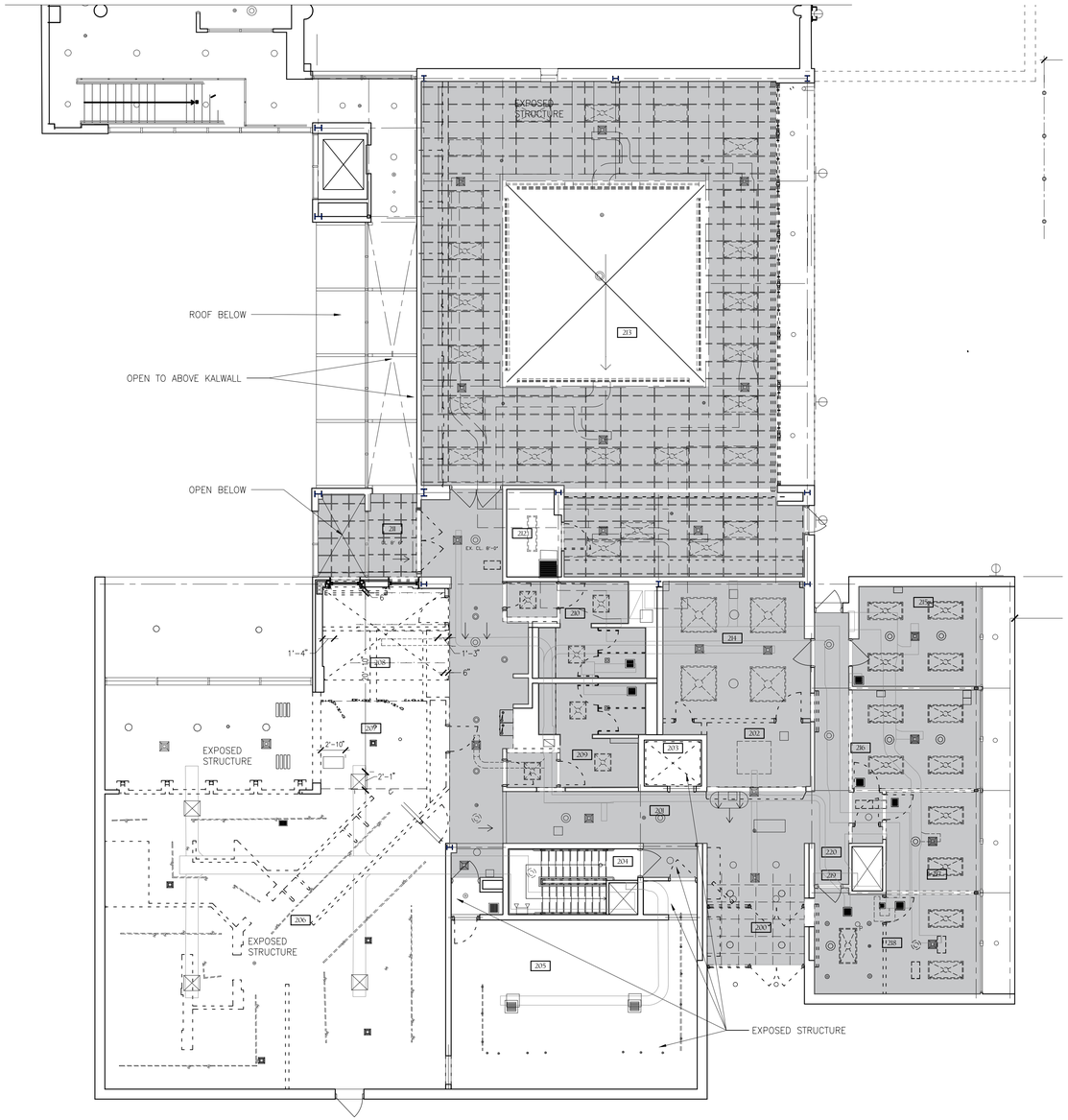
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
FIRST FLOOR DEMOLITION RCP

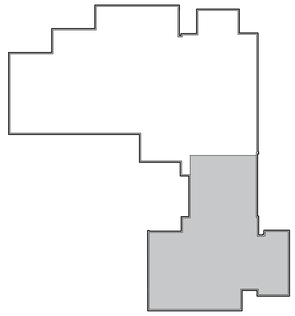
Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
AS NOTED

Drawing Number:
AD-401



RM.#	LOCATION
200	VESTIBULE
201	HALLWAY 1
202	OFFICE
203	CLOSET
204	STAIR "A" (EXISTING)
205	WELLNESS STUDIO
206	HUDSON ROOM
207	OPEN COMMON SPACE
208	STAIR "B"
209	WOMEN'S RM
210	MEN'S RM.
211	HALLWAY 2
212	STORAGE
213	NORTH HIGHLAND ROOM/ PATIO
214	WORK RM.
215	OFFICE 1
216	OFFICE 2
217	OFFICE 3
218	OFFICE 4
219	CLOSET
220	CLOSET



KEY PLAN

SCALE: N.T.S.

LEGEND:

SHADED AREA REPRESENTS
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1 / A-402.D — 2nd FLOOR DEMOLITION RCP

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

NORTH

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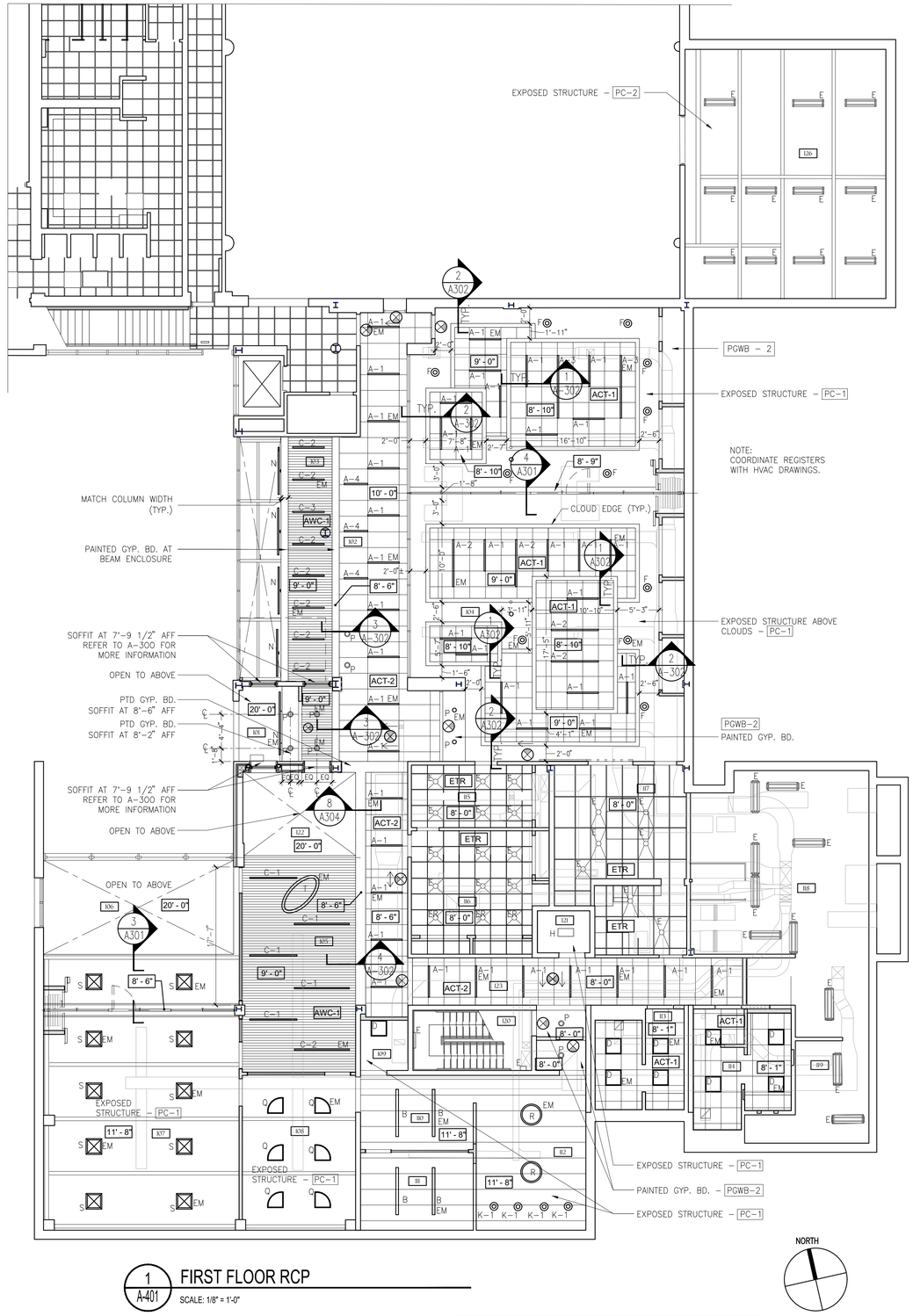
Drawing:
SECOND FLOOR DEMOLITION RCP

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
AS NOTED

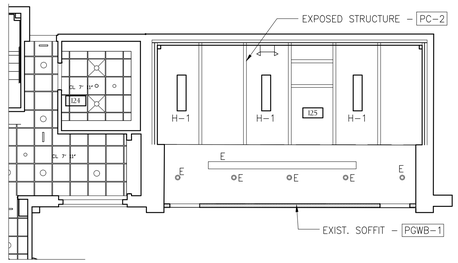
Drawing Number:
AD-402



1 A-401 FIRST FLOOR RCP

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

NOTE:
1. FOR CEILING FINISHES SEE A-402
2. ALL MOUNTING HEIGHT INDICATED TO BOTTOM OF FIXTURE

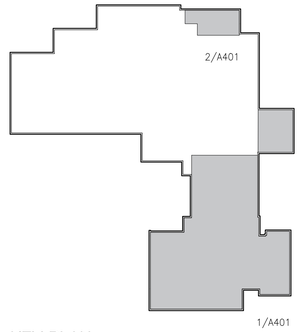


2 A-401 FIRST FLOOR RCP

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

LEGEND:

A-1	48"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-2	72"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-3	96"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-4	36"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
B	72"X2" SUSPENDED LINEAR LIGHT FIXTURE – MH – 8'-0"
B-1	48"X2" SUSPENDED LINEAR LIGHT FIXTURE – MH – 8'-0"
C-1	96"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-2	48"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-3	24"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-4	36"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
D	24"X24" CEILING GRID MOUNTED LIGHT FIXTURE
E	INDICATES EXISTING LIGHT FIXTURE TO REMAIN
ER	INDICATES EXISTING RELOCATED LIGHT FIXTURE
F	PENDANT LIGHT FIXTURE
F-1	SAME AS "F" EXCEPT MOUNT HEIGHT (MH): 9'-0"
J	2'-0"x2'-0" PENDANT LIGHT FIXTURE– MH – 8'-6"
H	1'-0"x2'-0" SUSPENDED LIGHT FIXTURE
H-1	1'-0"x4'-0" SUSPENDED LIGHT FIXTURE
K	DECORATIVE PENDANT OVER STAIR
K-1	SAME AS FIXTURE TYPE "K" EXCEPT MOUNT HEIGHT (MH): 6'-0"
L	8' LONG UPLIGHTS – WALL MOUNTED FIXTURE
N	8' LONG UP/DOWN WALL MOUNTED FIXTURE – LOCATED AT SAME ELEVATION AS EXT. UP/DN FIXTURE
P	DOWNLIGHT
Q	DECORATIVE PENDANT – MH – 8'-0"
R	DECORATIVE PENDANT – MH – 7'-6"
S	2'-0"x2'-0" PENDANT LIGHT FIXTURE– MH – 8'-0"
T	6' OVAL RING OVER SEATING AREA– MH – 7'-0"
U	EXTERIOR WALL MOUNTED FIXTURE
Y	EXTERIOR BACKYARD PERGOLA LIGHT FIXTURE
Z	EXTERIOR BACKYARD LIGHT FIXTURE



KEY PLAN

SCALE:

XXX	ROOM NO.
X' - X"	PROPOSED CEILING HEIGHT – TO BE CONFIRMED
CL 7' 10"	EXISTING CEILING HEIGHT
	EXISTING CEILING TO REMAIN
	24" X 24" ACOUSTICAL TILE CEILING
	24" X 48" ACOUSTICAL TILE CEILING
	WOOD PLANK SLOTTED CEILING – AWC
	BATTERY OPERATED EMERGENCY LIGHT FIXTURE
	NEW EXIT SIGN
	NEW EXIT SIGN W/ DIRECTIONAL ARROWS
AP	EXIST. FIRE ALARM ENUNCIATOR PANEL
EM	INDICATES EMERGENCY LIGHT FIXTURE

RM.#	LOCATION
101	VESTIBULE
102	RECEPTION
103	PUBLIC CORRIDOR
104	COMMUNITY RM.
105	LOUNGE AREA – AQUEDUCT ROOM
106	RECREATION RM.
107	RECREATION RM.
108	YB OFFICE
109	COPY
110	OFFICE
111	OFFICE
112	YOUTH OFFICE
113	MEN'S RM
114	WOMEN'S RM
115	OFFICE
116	OFFICE
117	KITCHEN
118	MECHANICAL RM.
119	BOILER RM.
120	STAIR "A" (EXISTING)
121	JANITOR'S CLOSET
122	STAIR "B"
123	HALLWAY
124	AQUATIC DIRECTOR OFFICE
125	STORAGE
126	GYM STORAGE

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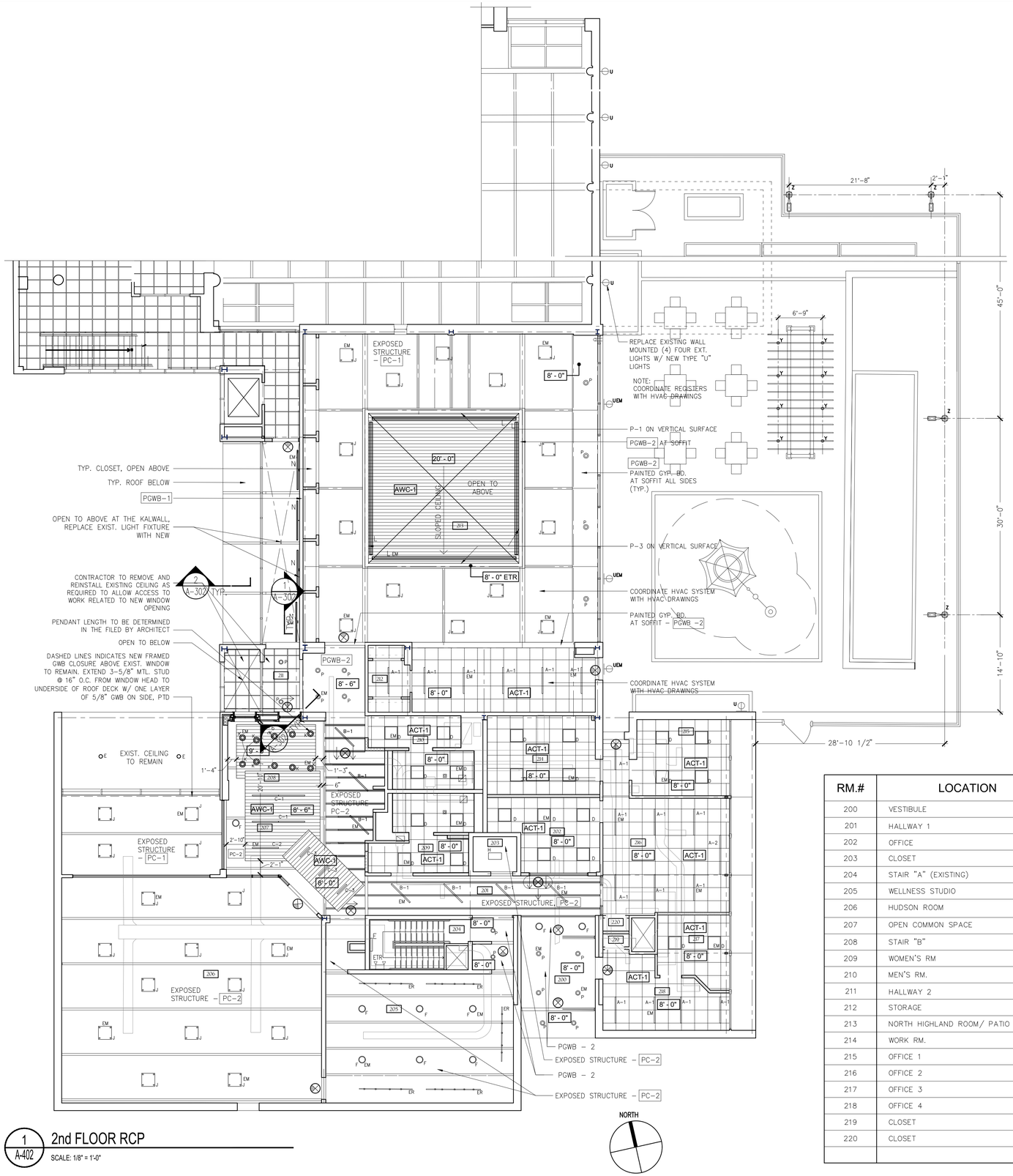
Drawing:
FIRST FLOOR RCP

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

Scale:
AS NOTED

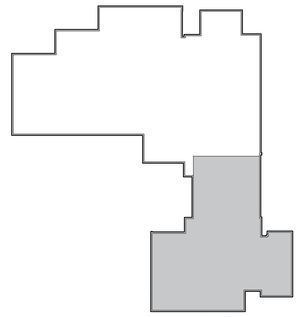
Drawing Number:
A-401



1 / A-402 — 2nd FLOOR RCP

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

RM.#	LOCATION
200	VESTIBULE
201	HALLWAY 1
202	OFFICE
203	CLOSET
204	STAIR "A" (EXISTING)
205	WELLNESS STUDIO
206	HUDSON ROOM
207	OPEN COMMON SPACE
208	STAIR "B"
209	WOMEN'S RM
210	MEN'S RM.
211	HALLWAY 2
212	STORAGE
213	NORTH HIGHLAND ROOM/ PATIO
214	WORK RM.
215	OFFICE 1
216	OFFICE 2
217	OFFICE 3
218	OFFICE 4
219	CLOSET
220	CLOSET



KEY PLAN

SCALE: N.T.S.

ACOUSTICAL CEILING NOTES:

A. LAYOUT – CENTER CEILING LAYOUT TO ROOMS OR SPACES. COORDINATE WITH LIGHTING LAYOUT.
B. IF LIGHT FIXTURE IS IN THE CENTER OF THE ROOM THEN THE CENTER LINE OF ROOM IS AT THE CENTER LINE OF FIXTURE.
C. IF THERE ARE TWO ROWS OF LIGHTS IN THE CENTER OF THE ROOM, THEN THE CENTER LINE OF THE ROOM IS CENTERED BETWEEN LIGHTS.

NOTE:
FOR LIGHT FIXTURE TYPES SEE A-401

NOTE ACW-1 AND ACW-2:
INTERLAM AKUPANEL FR (WEATHERED OAK PROFILE WRAPPED): CLASS A FIRE-COATED, MINIMUM 0.87 NRC.

TAG	PRODUCT		DESCRIPTION
PGWB-1	PREVIOUSLY PAINTED GWB CEILING W/ STAINS	MFR:	BENJAMIN MOORE
		FILLER:	NONE
		PRIMER:	ZINSER B-I-N ADVANCED INTERIOR PRIMER
			ULTIMATE STAIN BLOCKER MAN #270976
		1ST FINISH COAT:	BM IMPERVO C235
		2ND FINISH COAT:	BM IMPERVO C235
		COLOR:	CHANTILLY WHITE, OC65
		SHEEN	FLAT
PGWB-2	NEW GWB CEILING	MFR:	BENJAMIN MOORE
		FILLER:	NONE
		PRIMER:	FRESH START HIGH-HIDING
			ALL PURPOSE PRIMER
		1ST FINISH COAT:	BM Ultra Spec 500
		2ND FINISH COAT:	BM Ultra Spec 500
		COLOR:	CHANTILLY WHITE, OC65
		SHEEN	FLAT FINISH
ACT-1	ACOUSTICAL CEILING TILE	MFR:	ARMSTRONG
		GRID SIZE:	2' X 2'
		EDGE PROFILE & GRID SIZE:	ANGLED TEGULAR 9/16
		TILE SIZE:	2' X 2'
		SERIES:	DUNE SECOND LOOK, 2' X 4' TILE LOOKS LIKE A 2' X 2' TILE WITH A SCORE LINE
ACT-2	ACOUSTICAL CEILING TILE	MFR:	ARMSTRONG
		GRID SIZE:	2' X 4'
		EDGE PROFILE & GRID SIZE:	ANGLED TEGULAR 9/16
		TILE SIZE:	2' X 4'
		SERIES:	DUNE SECOND LOOK, 2' X 4' TILE LOOKS LIKE A 2' X 2' TILE WITH A SCORE LINE
AWC-1	WOOD ACOUSTICAL - WOOD SLOTTED PANELS	MFR:	ACOUSTICAL ART CONCEPTS
		GRID SIZE:	SEE RCP
		STYLE	AKUPANEL FR 1" WOOD SLAT ACOUSTIC BACKED PLANK
		COLOR:	WEATHERED OAK
		SERIES:	23.5" x 96"
AWC-2	SAME AS AWC-1 BUT SUSPENDED CEILING		
		SAME AS AWC-1	SAME AS AWC-1
PC-1	PAINT UNDERSIDE OF EXPOSED STRUCTURE DECK INCLUDING JOISTS, STEEL STRUCTURE, DUCTS, PIPES, ETC	MFR:	BENJAMIN MOORE
		PRIMER:	COAT OF SUPER SPEC ACRYLIC METAL PRIMER #P04
		FINISH COAT:	(2) COATS SUPER SPEC, SWEEP UP SPRAY LATEX FLAT #153
		COLOR:	WHITE
		SHEEN:	FLAT
PC-2	PAINT UNDERSIDE OF EXPOSED STRUCTURE DECK INCLUDING JOISTS, STEEL STRUCTURE, DUCTS, PIPES, ETC	MFR:	BENJAMIN MOORE
		PRIMER:	COAT OF SUPER SPEC ACRYLIC METAL PRIMER #P04
		FINISH COAT:	(2) COATS SUPER SPEC, SWEEP UP SPRAY LATEX FLAT #153
		COLOR:	BLACK
		SHEEN:	FLAT
ETR	EXISTING TO REMAIN		

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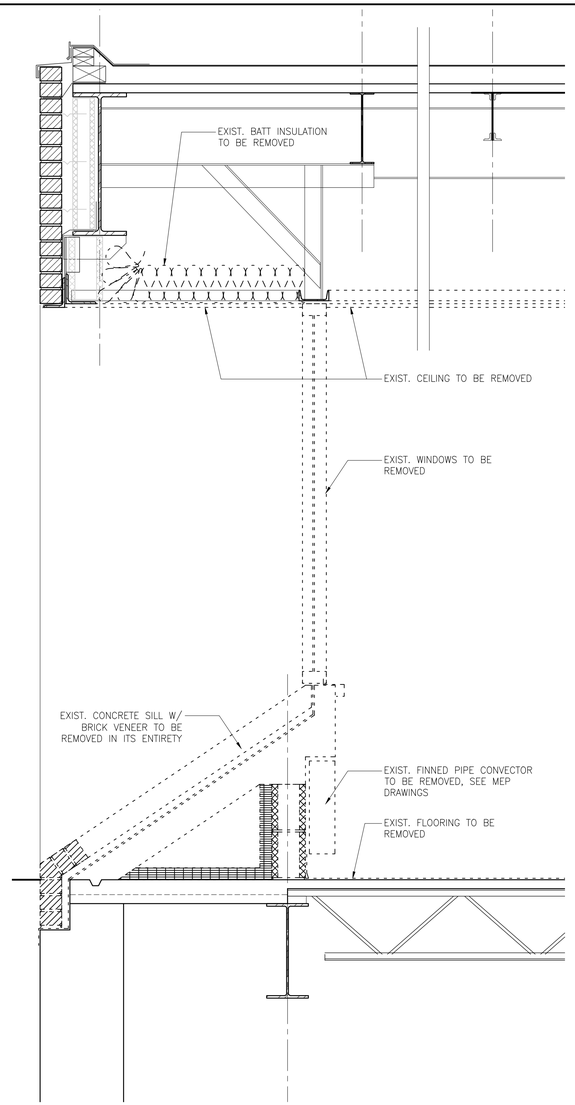
Drawing:
SECOND FLOOR RCP

Project Number:	Responsible Party:	Reviewed By:
24012	MAS	JK

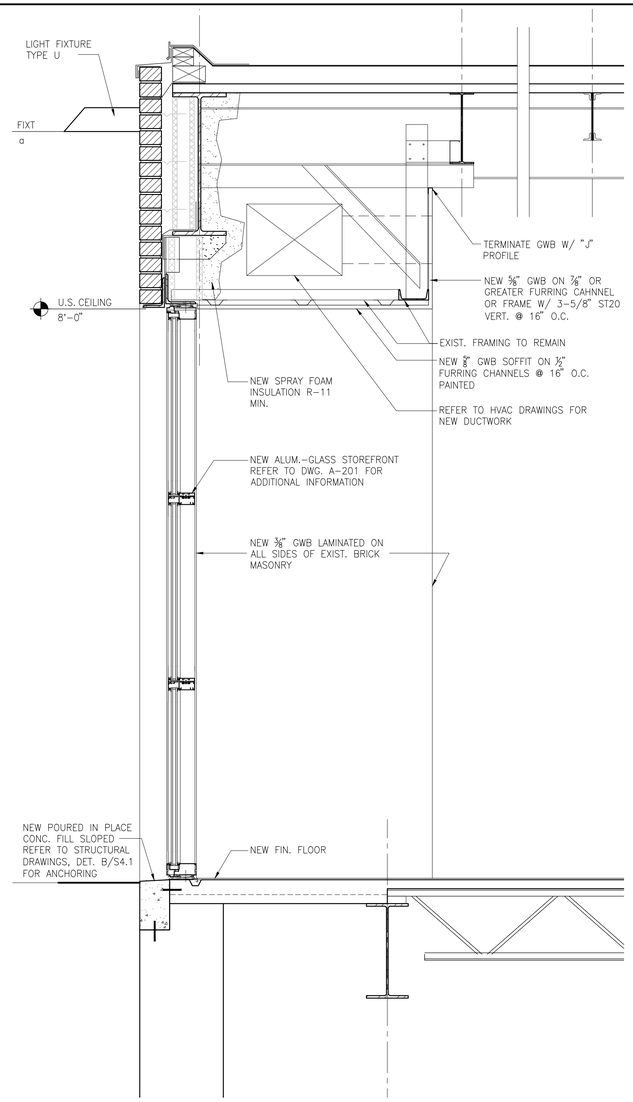
Scale:
AS NOTED

Drawing Number:
A-402



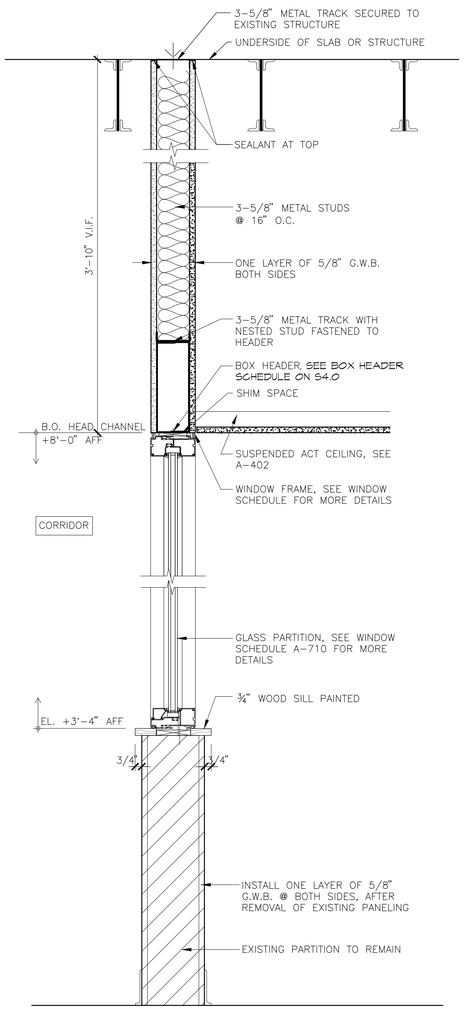
1 A-500 EXISTING WALL SECTION

SCALE: 1" = 1'-0"



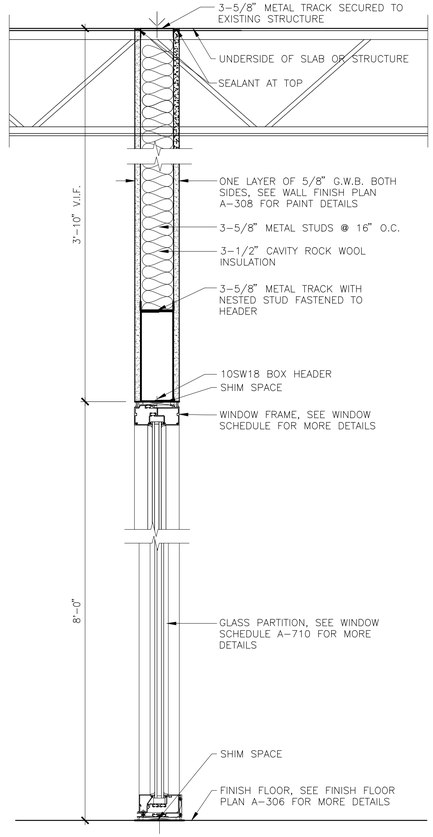
2 A-500 PROPOSED WALL SECTION

SCALE: 1" = 1'-0"



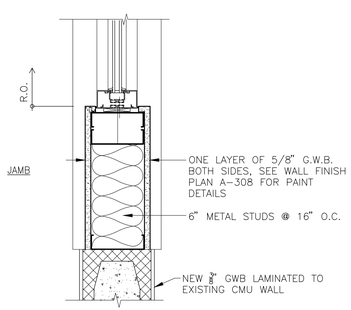
3 A-500 PROPOSED WALL SECTION

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



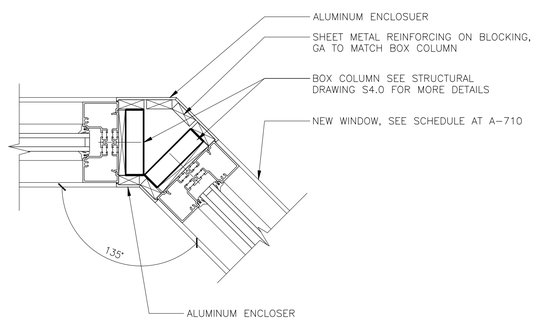
4 A-500 PROPOSED WALL SECTION

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



5 A-500 JAMB

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



6 A-500 AT CORNER

SCALE: 3" = 1'-0"

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Drawing:

WALL SECTIONS

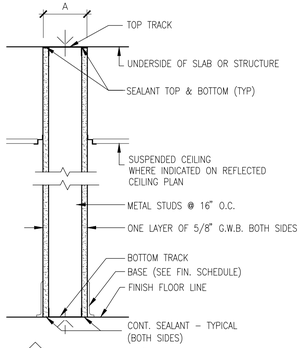
Project Number:	Responsible Party:	Reviewed By:
24012	AJ	JK

Scale:

AS NOTED

Drawing Number:

A-500



G1 — DIM 'A' = 4 7/8"
NON-RATED PARTITION, 3 5/8" MTL. STUDS, 20 GA.

G1A — DIM 'A' = 4 7/8"
SAME AS ABOVE EXCEPT W/ 2 1/2" SOUND ATTENUATION INSULATION

G1B — DIM 'A' = 4 7/8"
SAME AS G1 EXCEPT W/ DEFLECTION TRACK ON TOP

G1C — DIM 'A' = 7 1/4"
NON-RATED PARTITION 6" MTL. STUDS, 20 GA.

G1D — DIM 'A' = 7/1/4"
SAME AS G1C EXCEPT w/ 2 1/2" SOUND ATTENUATION BLANKET

G1E — DIM 'A' = 7 1/4"
SAME AS G1C EXCEPT w/ DEFLECTION TRACK

G1F — DIM 'A' = 7 1/4"
SAME AS G1D w/ DEFLECTION TRACK

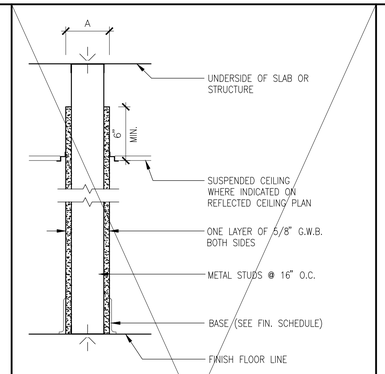
G1G — DIM 'A' = 4 7/8"
SAME AS G1A EXCEPT w/ DEFLECTION TRACK ON TOP

G1H — DIM 'A' = 4 7/8"
SAME AS G1 EXCEPT w/ R-11 BATT INSULATION IN CAVITY

G1I — DIM 'A' = 9 1/4"
SAME AS G1 EXCEPT 8" MTL. STUDS

G1J — DIM 'A' = 1'-3"
SAME AS G1I EXCEPT w/ R-19 BATT INSULATION, 5/8" DENS-GLASS GOLD SHEATHING AND BRICK INFILL TO MATCH EXISTING

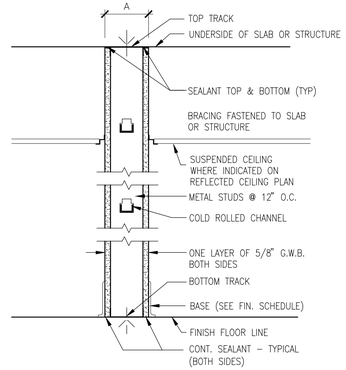
G1K — DIM 'A' = 4 7/8"
SAME AS G1 EXCEPT WITH 3-1/2" CAVITY ROCK WOOL INSULATION



G2 — DIM 'A' = 4 7/8"
NON-RATED PARTITION 3 5/8" MTL. STUDS, 25 GA.

G2A — DIM 'A' = 4 7/8"
SAME AS ABOVE EXCEPT w/ 2 1/2" SOUND ATTENUATION INSULATION

G2B — DIM 'A' = 4 7/8"
SAME AS G2 EXCEPT w/ DEFLECTION TRACK ON TOP



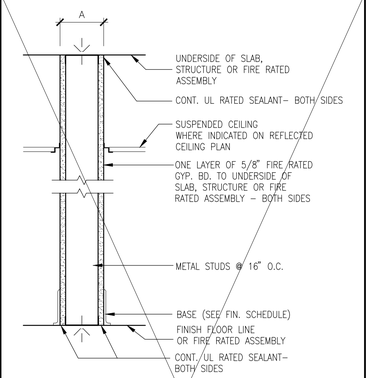
G3 — DIM 'A' = 7 1/4"
NON RATED PARTITION, 6" MTL. STUDS 20 GAUGE W/COLD ROLLED CHANNELS @ 4'-0" O.C. VERTICAL

G3A — DIM 'A' = 7 1/4"
SAME AS ABOVE EXCEPT w/ 2 1/2" SOUND ATTENUATION INSULATION

G3B — DIM 'A' = 7 1/4"
SAME AS G3 EXCEPT w/ DEFLECTION TRACK ON TOP

G3C — DIM 'A' = 7 1/4"
SAME AS G3A EXCEPT w/ DEFLECTION TRACK ON TOP

G3D — DIM 'A' = 7 1/4"
SAME AS G3A EXCEPT w/ 1 HOUR RATED UL DESIGN U 419



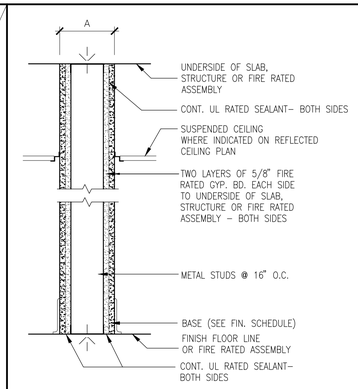
G4 — DIM 'A' = 4 7/8"
1 HOUR RATED PARTITION
UL DESIGN U 423

G4A — DIM 'A' = 4 7/8"
SAME AS ABOVE EXCEPT W/ SOUND ATTENUATION INSULATION

G4B — DIM 'A' = 4 7/8"
SAME AS G4 EXCEPT w/ DEFLECTION TRACK ON TOP

G4C — DIM 'A' = 7 1/4"
SAME AS G4 EXCEPT 6" STUD

G4D — DIM 'A' = 4 7/8"
SAME AS G4A ABOVE EXCEPT w/ DEFLECTION TRACK ON TOP



G5 — DIM 'A' = 6 1/8"
2 HOUR RATED PARTITION
UL DESIGN U 423

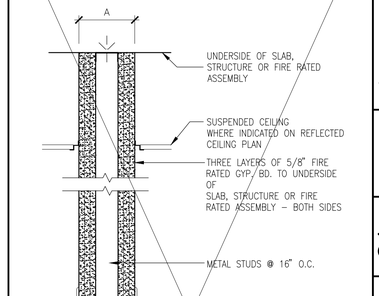
G5A — DIM 'A' = 6 1/8"
SAME AS ABOVE EXCEPT W/ SOUND ATTENUATION INSULATION

G5B — DIM 'A' = 6 1/8"
SAME AS G5 EXCEPT W/ DEFLECTION TRACK ON TOP

G5C — DIM 'A' = 8 1/2"
SAME AS G6 EXCEPT 6" STUD

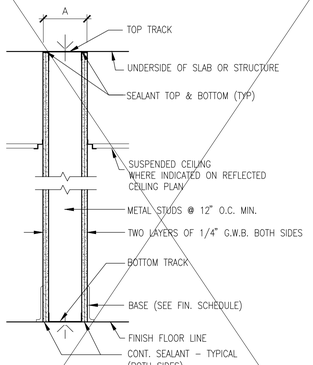
G5D — DIM 'A' = 8 1/2"
SAME AS AS ABOVE EXCEPT w/ 2 1/2" SOUND ATTENUATION BLANKET

G5E — DIM 'A' = 8 1/2"
SAME AS AS G5C EXCEPT w/ 6" R-19 INSULATION AND 6ML VAPOR BARRIER ON WARM SIDE



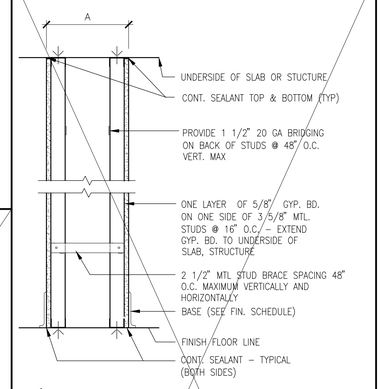
G6 — DIM 'A' = 6 1/4"
3 HOUR RATED PARTITION
UL DESIGN U 419

G6A — DIM 'A' = 7 1/2"
4 HOUR RATED PARTITION
SAME AS ABOVE EXCEPT W/ FOUR LAYERS OF GWB ON EACH SIDE



G7 — CURVED PARTITION TYPE– DIM 'A' = 4 5/8"
NON-RATED PARTITION, 3 5/8"" MTL. STUDS, 25 GA.

G7A — CURVED PARTITION TYPE– DIM 'A' = 7"
NON-RATED PARTITION, 6" MTL. STUDS, 25 GA.

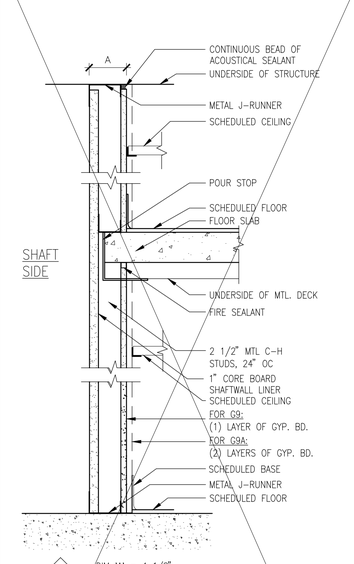


G8 — DIM 'A' = SEE PLAN
PLUMBING CHASE WALL

G8A — DIM 'A' = SEE PLAN
SAME AS ABOVE EXCEPT W/ 2 1/2" SOUND ATTENUATION INSULATION

G8B — DIM 'A' = SEE PLAN
SAME AS G8 EXCEPT W/ DEFLECTION TRACK ON TOP

G8C — DIM 'A' = SEE PLAN
SAME AS G8A w/ DEFLECTION TRACK

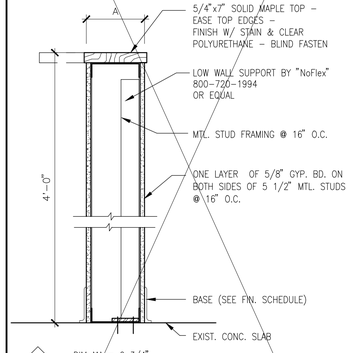


G9 — DIM 'A' = 4 1/8"
1 HR RATED SHAFT PARTITION:
(1) LAYER 5/8" FIRE RATED G. B. DESIGN No. U415 (SYSTEM A)

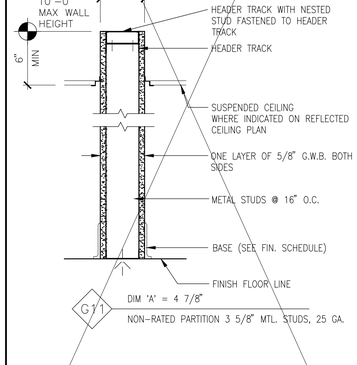
G9A — DIM 'A' = 4 3/4"
2 HR RATED SHAFT WALL:
SAME AS 15 w/ (2) LAYERS OF 5/8" FIRE RATED G. B. DESIGN No. U415 (SYSTEM B)

G9B — DIM 'A' = 4 1/8"
SAME AS G9 EXCEPT w/ DEFLECTION TRACK ON TOP

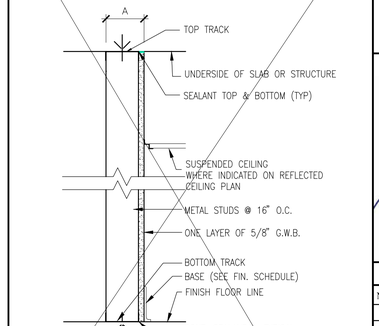
G9C — DIM 'A' = 4 1/8"
SAME AS G9A EXCEPT w/ SOUND ATTENUATION INSULATION



G10 — DIM 'A' = 6 3/4"
NON-RATED PARTITION, 5 1/2" MTL. STUDS, 25 GA



G11 — DIM 'A' = 4 7/8"
NON-RATED PARTITION 3 5/8" MTL. STUDS, 25 GA.



G12 — DIM 'A' = 4 1/4"
NON-RATED PARTITION 3 5/8" MTL. STUDS, 25 GA.

NOTES TO ALL DETAILS SHEET A-601,A-602,A-603:

1. PROVIDE CEMENTITIOUS BOARD IN LIEU OF REGULAR G.W.B. IN FIRE RESISTANCE AND NUMBER OF LAYERS SHOWN ON PARTITION TYPES IN ALL LOCATIONS SCHEDULED TO RECEIVE CERAMIC TILE OR STONE FINISH, AS SHOWN ON OTHER DRAWINGS OR SCHEDULES.

2. PROVIDE MOISTURE RESISTANCE G.W.B. IN LIEU OF REGULAR G.W.B. IN THICKNESS AND FIRE-RESISTANCE SHOWN ON PARTITION TYPES IN THE FOLLOWING LOCATIONS:
   - BATHROOM
   - JANITOR'S CLOSET
   - SHOWER AREA

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Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
PARTITION TYPES - GWB WALLS (METAL)

Project Number:	Responsible Party:	Reviewed By:
24012		JK

Scale: AS NOTED

Drawing Number:
A-602

NO.	LOCATION	DOOR								FRAME								ASSEMBLY		REMARKS
		EXTERIOR/INTERIOR/ EXISTING	WIDTH	HEIGHT	THICKNESS	ELEVATION – 2/A-700	MATERIAL	FINISH	GLASS	ELEVATION 1/A-700 2/A-710	MATERIAL	FINISH	INSTALLATION DETAIL	THRESHOLD MATERIAL	THRESHOLD INSTALLATION DETAIL	GLASS		HARDWARE SET	FIRE RATING	
101	VESTIBULE – ROOM 101	INT.	(2) 3'-8"	8'-0"	–	2B	AL	BAA	T/C	A	AL	BAA		AL	–		1B	0 HR	MATCH EXISTING CURTAIN WALL FINISH
101.1	VESTIBULE – ROOM 101	EXT.	(2) 3'-8" (VIF)	8'-0" (VIF)	–	2B	AL	CAA	IG/T/C					AL	–	IG/T		15B	0 HR	NEW DOOR IN EXISTING CURTAIN WALL. VIF EXISTING OPENING BEFORE ORDERING. WITH CARD READER.
103	NOT USED																			FINISH TO MATCH EXISTING CURTAIN WALL FINISH.
104.2	COMMUNITY ROOM 104	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		8	0 HR	
104.3	COMMUNITY ROOM 104	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		8	0 HR	
104.4	COMMUNITY ROOM 104	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		8	0 HR	
104.5	COMMUNITY ROOM 104	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		8	0 HR	
104.6	COMMUNITY ROOM 104	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		8	0 HR	
104.7	COMMUNITY ROOM 104	INT.	(1) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		9	0 HR	
106	RECREATION ROOM 106	INT.	(1) 3'-0"	8-0"	–	2/A-710A	AL	BAA	T/C	2/A710A	AL	BAA	–	–	–	–		4	0 HR	SEE A-710/INSTALL PER MANUFACTURERS DETAIL
107.1	RECREATION & YOUTH ROOM 107	INT.	(1) 3'-0"	7'-10"	–	1A	WD	SW	–	A	HM	P-5	G-1A/B	–	–	–		10A	0 HR	SEE A-710/INSTALL PER MANUFACTURERS DETAIL
107.2	RECREATION & YOUTH ROOM 107	INT.	(1) 3'-0"	8'-0"	–	2/A-710C	AL	BAA	T/C	2/A710C	AL	BAA	–	–	–	–		4	0 HR	SEE A-710/INSTALL PER MANUFACTURERS DETAIL
108	YOUTH BUREAU OFFICE – ROOM 108	INT.	(1) 3'-0"	8'-0"	–	2/A-710B	AL	BAA	T/C	2/A710B	AL	BAA	–	–	–	–		5	0 HR	SEE A-710/INSTALL PER MANUFACTURERS DETAIL
111	OFFICE – ROOM 111	INT.	(1) 3'-0"	8'-0"	–	2/A-710B	AL	BAA	T/C	2/A710B SIM.	AL	BAA	–	–	–	–		5	0 HR	SEE A-710/INSTALL PER MANUFACTURERS DETAIL
112	YOUTH OFFICE – ROOM 112	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	M-1A,B	–	–	–		10	0.75 HR	VIF MASONRY OPENING BEFORE ORDERING
113	MEN'S RESTROOM – ROOM 113	INT.	(1) 3'-0"	7'-10"	1 3/4"	4	WD	SW	–	A	HM	P-5	M-1A,B	M	M-1C	–		6	0.75 HR	
114	WOMEN'S RESTROOM – ROOM 114	INT.	(1) 3'-0"	7'-10"	1 3/4"	4	WD	SW	–	A	HM	P-5	M-1A,B	M	M-1C	–		6	0.75 HR	
115.1	OFFICE – ROOM 115	INT.	(2) 3'-0"	7'-10"	1 3/4"	1C	WD	SW	–	A	HM	P-5	G-2					13	0 HR	
116.1	OFFICE – ROOM 116	INT.	(2) 3'-0"	7'-10"	1 3/4"	1C	WD	SW	–	A	HM	P-5	G-2					13	0 HR	
116.2	OFFICE – ROOM 116	INT.	(2) 3'-0"	7'-10"	1 3/4"	1C	WD	SW	–	A	HM	P-5	G-2					13	0 HR	
116.3	OFFICE – ROOM 116	INT.	(2) 2'-6"	7'-10"	1 3/4"	1C	WD	SW	–	A	HM	P-5	G-2					13	0 HR	
117	KITCHEN – ROOM 117	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	M-1A,B	–	–	–		10	0.75 HR	
EF-1	STAIRCASE – ROOM 120	EXIST.	(1) 3'-0"	7'-10"														14A	1.5 HR	
121	STORAGE – ROOM 121	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	M-1A,B	–	–	–		11	0.75 HR	VERIFY EXIST. MASONRY OPENING
123	HALLWAY – ROOM 123	INT.	(2) 2'-10	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A	–	–	–		2	0.75 HR	ELECTROMAGNETIC HOLD OPEN; ACTIVATED BY FIRE ALARM
123.1	HALLWAY – ROOM 123	INT.	(2) 2'-10	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A M-2B	AL	–	–		7	0.75 HR	
125.1	STORAGE – ROOM 125	INT.	(1) 4'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		11		PROVIDE 14GA FRAME, WELDED
125.2	STORAGE – ROOM 125	INT.	(1) 4'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		11		PROVIDE 14GA FRAME, WELDED
200.1	VESTIBULE – ROOM 200	EXT.	(2) 3'-0"	7'-10"		3B	AL	BAA	IG/T/C	2/A710K	AL	BAA		AL	–	1G/T/C		15	0 HR	INSULATING GLASS UNITS. W/ CARD READER
200.2	VESTIBULE – ROOM 200	INT.	(2) 3'-0"	7'-10"		3B	AL	BAA	T/C	2/A710K	AL	BAA			–	T/C		15A	0 HR	WITH CARD READER
201	HALLWAY 1 – ROOM 201	INT.	(1) 3'-0"	7'-10"		1A	WD	SW		D	HM	FR-1						16	0.75 HR	WITH CARD READER
201.1	HALLWAY 1 – ROOM 201	INT.	(2) 2'-10	7'-10"	1 3/4"	1B	WD	SW	T/C	A	HM	P-5	M-2B G-A1	–	–	–		2	0.75 HR	ELECTROMAGNETIC HOLD OPEN; ACTIVATED BY FIRE ALARM
202	OFFICE – ROOM 202	INT.	(1) 3'-0"	7'-10"	1 3/4"	3A	WD	SW	T/C	A	HM	P-5	M-1A,B	–	–	–		10	0 HR	
203	STORAGE – ROOM 203	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	M-1A,B	–	–	–		11	0.75 HR	NEW DOOR/ FRAME INTO EXIST. MASONRY OPENING
EF-2	STAIR B (EXISTING) – ROOM 204	EXIST.	(1) 3'-0"	7'-10"														14	1.5 HR	EXISTING DOOR TO REMAIN
205.1	WELLNESS STUDIO – ROOM 205	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW		A	HM	P-5	M-1A,B	–	–	–		12A	0 HR	
205.2	WELLNESS STUDIO – ROOM 205	INT.	(1) 3'-0	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	M-1A,B	–	–	–		12	0.75 HR	NEW DOOR/ FRAME INTO EXIST. MASONRY OPENING
206	HUDSON ROOM – ROOM 206	INT.	(1) 3'-0"	8'-0"		2C	AL	BAA	T/C	2/A710H	AL	BAA	–		–	–		3	0 HR	
206.1	HUDSON ROOM – ROOM 206	EXIST.																14		EXISTING DOOR TO REMAIN
209	WOMEN'S RESTROOM – ROOM 209	INT.	(1) 3'-0"	7'-10"	1 3/4"	4	WD	SW	–	A	HM	P-5	M-1A,B	M	M-1C	–		6	0.75 HR	
210	MEN'S RESTROOM – ROOM 210	INT.	(1) 3'-0"	7'-10"	1 3/4"	4	WD	SW	–	A	HM	P-5	M-1A,B	M	M-1C	–		6A	0 HR	
211	HALLWAY 2 – ROOM 211	INT.	(1) 3'-8"	7'-10"	1 3/4"	1A	WD	SW	FG	A	HM	P-5	G-1A,B	–	–	–		12	1-5 HR	
212.1	STORAGE – ROOM 200	INT.	(2) 2'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
212.2	STORAGE – ROOM 200	INT.	(2) 2'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.1	NORTH HIGHLAND ROOM – ROOM 213	EXT.	(2) 3'-0"	7'-10"		3B	AL	BAA	IG/T/C	1/A-201	AL	BAA	STAND		STAND	–		1	0 HR	NEW DOOR IN NEW STOREFRONT SYSTEM. VERIFY EXIST. MASONRY OPENING
213.2	NORTH HIGHLAND ROOM – ROOM 213	EXT.	(2) 3'-0"	7'-10"		3B	AL	BAA	IG/T/C	1/A-201	AL	BAA	STAND	AL	STAND	–		1A	0 HR	NEW DOOR IN NEW STOREFRONT SYSTEM. VERIFY EXIST. MASONRY OPENING
213.3	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.4	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.5	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.6	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.7	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.8	NORTH HIGHLAND ROOM – ROOM 213	INT.	(2) 3'-0"	7'-10"	1 3/4"	1B	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		8	0 HR	
213.9	NORTH HIGHLAND ROOM – ROOM 213	EXIST.																14		EXISTING DOOR TO REMAIN
216	OFFICE – ROOM 216	EXIST.																14		EXISTING DOOR TO REMAIN
217	OFFICE – ROOM 217	INT.	(1) 3'-0"	7'-10"	1 3/4"	1/A	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		10A	0 HR	
218	OFFICE – ROOM 218	INT.	(1) 3'-0"	7'-10"	1 3/4"	3A	WD	SW	TC	A	HM	P-5	M-2A,B	–	–	–		10	0.75 HR	
219	CLOSET – ROOM 220	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		9	0 HR	
220	CLOSET – ROOM 220	INT.	(1) 3'-0"	7'-10"	1 3/4"	1A	WD	SW	–	A	HM	P-5	G-1A,B	–	–	–		9	0 HR	

GENERAL DOOR NOTES:

A. CONTRACTOR SHALL VERIFY ALL CONDITIONS & THROAT DIMENSIONS IN THE FIELD PRIOR TO ORDERING DOORS & FRAMES.
B. CONTRACTOR SHALL PROVIDE NEW DOORS, DOOR FRAMES, AND HARDWARE AS DETAILED, INCLUDING ALL RELATED ACCESSORIES, MATERIALS AND LABOR FOR A COMPLETE INSTALLATION.
C. EXTERIOR DOORS SHALL NOT REQUIRE MORE THAN 8LBS. OF FORCE APPLIED ON LATCH AREA, TO OPEN DOOR. INTERIOR DOOR W/ CLOSER SHALL NOT REQUIRE MORE THAN 5LBS OF FORCE.
D. ALL HAND OPERATED DOOR OPENING HARDWARE SHALL BE LOCATED 36" U.O.N ON DOOR ELEVATION.
E. PROVIDE SEALANT & BACKER ROD AT ALL DISSIMILAR MATERIALS AT PERIMETER OF THE DOOR FRAMES ON BOTH SIDES, AS WELL AS TRIM AND OTHER JUNCTURES WHERE AIR OR WATER CAN PENETRATE-COLOR SHALL BE SELECTED BY ARCHITECT.
F. PROVIDE 3/4" UNDERCUT AT ALL BATHROOM DOORS (TYP.)
G. SEE FINISH SCHEDULE FOR DOOR & FRAME FINISHES.
H. SEE SPECIFICATION SECTION 08710– FOR HARDWARE SETS
I. REFER TO SHEETS A–702 & A–703 FOR INSTALLATION DETAILS.
J. HARDWARE TO MEET ICC/ANSI A117.1–2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES REQUIREMENTS.
K. COORDINATE ALL LOCK AND KEYING REQUIREMENTS WITH THE OWNER.
L. KEYING AND CORES TO BE PROVIDED BY OWNER.

M. PATCH AND REPAIR EXISTING DOORS & FRAMES WHERE HARDWARE IS SCHEDULED TO BE REMOVED. PREPARE AFFECTED AREAS TO RECEIVE NEW HARDWARE AS SCHEDULED. ALL REPAIRS SHALL RESTORE DOORS & FRAMES TO A SMOOTH FINISHED CONDITION SUITABLE FOR INSTALLATION OF NEW HARDWARE.

LIST OF ABBREVIATIONS FOR DOOR SCHEDULE:

EXTERIOR/INTERIOR/EXISTING:
EXT= EXTERIOR
INT= INTERIOR
EX= EXISTING

DOOR MATERIAL:
AL= ALUMINUM
HM= HOLLOW METAL
HMG= HOLLOW METAL GALVANIZED
HMI=HOLLOW METAL INSULATED
SCR= SOLID CORE WOOD
HW= HOLLOW CORE WOOD
F= FIBERGLASS
C= COMPOSITE

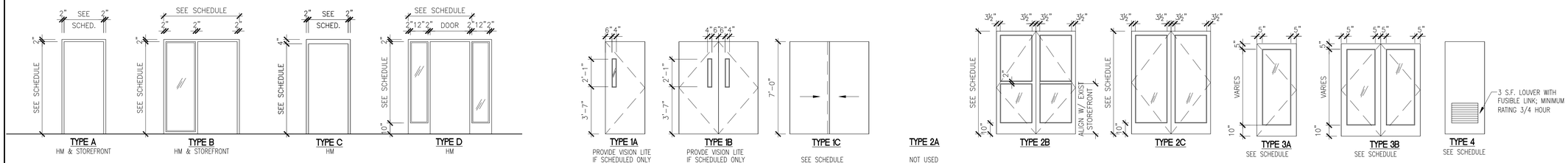
DOOR FINISH:
SW= STAINED WOOD SEE SPEC. SECTION 081416–6
PW= PAINTED WOOD SEE FINISH SCHEDULE
PM= PAINTED METAL SEE FINISH SCHEDULE
CAA= CLEAR ANODIZED ALUMINUM
BAA= BRONZE ANODIZED ALUMINUM

FRAME MATERIAL:
AL= ALUMINUM
HM= HOLLOW METAL
HMG= HOLLOW METAL GALVANIZED INSULATED
WD= WOOD
F= FIBERGLASS

FRAME FINISH:
BAA= BRONZE ANODIZED ALUMINUM
P–5= SEE FINISH SCHEDULE
FR–2= SEE FINISH SCHEDULE

GLASS:
IG INSULATED GLASS
T TEMPERED
LT LAMINATED
BR BURGLAR RESISTANT
BP BULLET–PROOF
FG FIRE GLASS
WG WIRED GLASS
C CLEAR
AE ACID ETCHED

THRESHOLD MATERIAL:
AL= ALUMINUM
M= MARBLE
VT= VINYL TRANSITION



1 A-700 FRAME TYPES
SCALE: 1/4" = 1'-0"

2 A-700 DOOR TYPES
SCALE: 1/4" = 1'-0"

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Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
DOOR SCHEDULE, DOOR & FRAME TYPES

Project Number:	Responsible Party:	Reviewed By:
24012	AJ	DC

Scale:
AS NOTED

Drawing Number:
A-700

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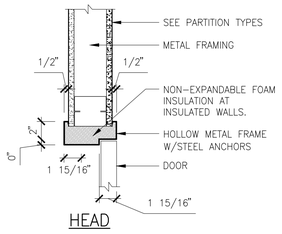

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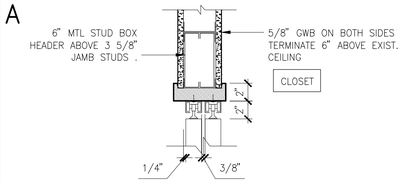

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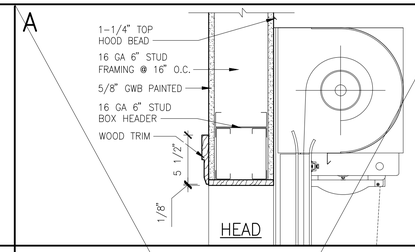

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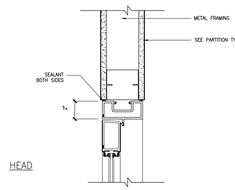

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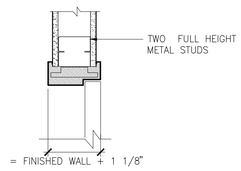

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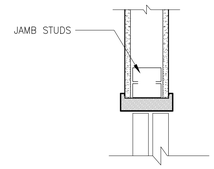

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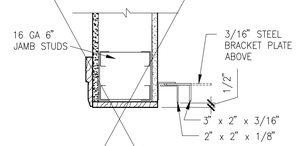

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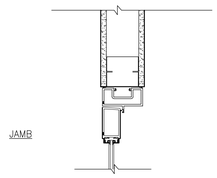

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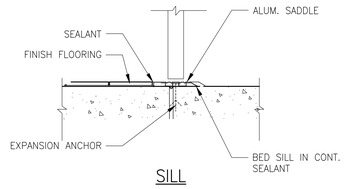

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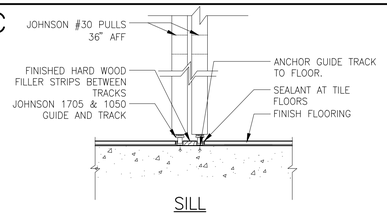

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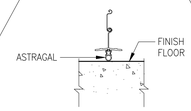

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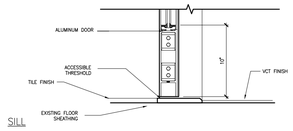

SILL

C

G1 A-701 HOLLOW METAL
SCALE: 1 1/2" = 1'-0"

G2 A-701 BYPASS SLIDING DOOR
SCALE: 1 1/2" = 1'-0"
REFER TO ******* FOR NOTES & DIMENSIONS U.O.N.

G3 A-701 OVERHEAD DOOR
SCALE: 1 1/2" = 1'-0"

G4 A-701 ALUMINUM/ GLASS DOOR
SCALE: 1 1/2" = 1'-0"

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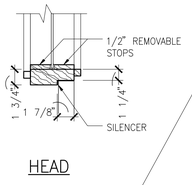

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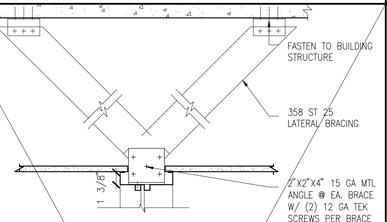

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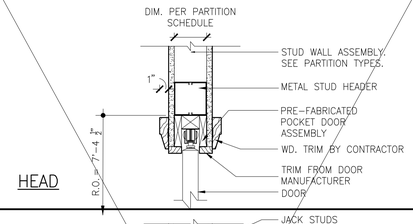

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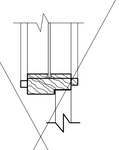

JAMB
(FOR NOTES AND DIMS SEE HEAD U.O.N)

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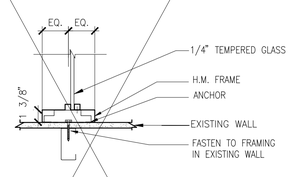

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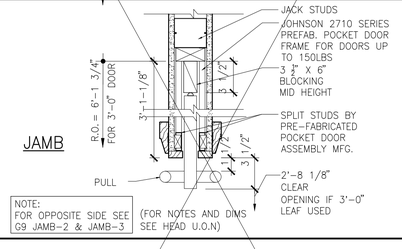

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NOTE:
FOR OPPOSITE SIDE SEE 09 JAMB-2 & JAMB-3

(FOR NOTES AND DIMS SEE HEAD U.O.N)

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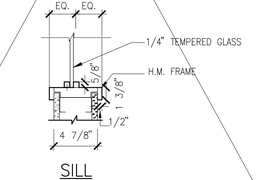

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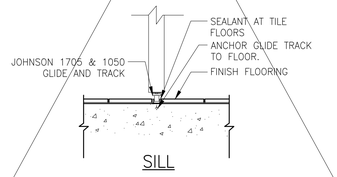

SILL

G6 A-701 GLASS PARTITION DOOR
SCALE: 1 1/2" = 1'-0"

G7 A-701 GLASS PARTITION
SCALE: 1 1/2" = 1'-0"

G8 A-701 SLIDING DOOR
SCALE: 1 1/2" = 1'-0"

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REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

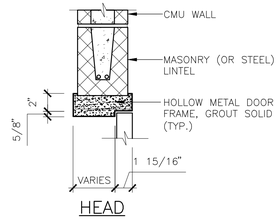
Drawing:
DOOR FRAME INSTALLATION DETAILS - GWB INTERIOR

Project Number:	Responsible Party:	Reviewed By:
0000	DB	DC & MM

Scale:
AS NOTED

Drawing Number:
A-701

A



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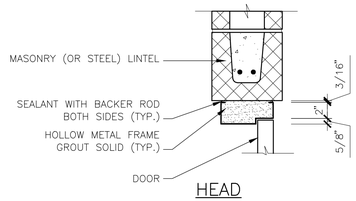

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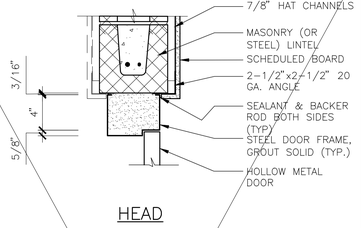

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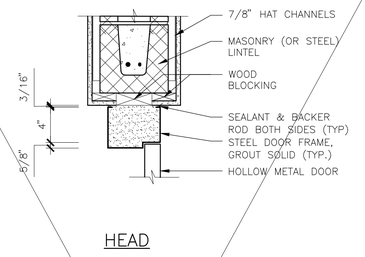

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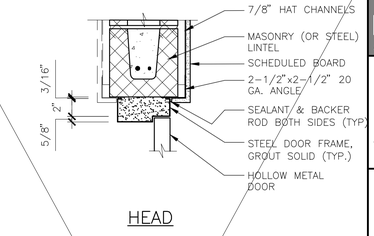

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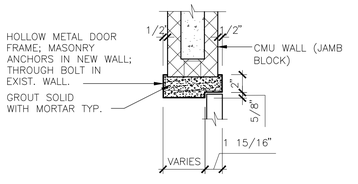

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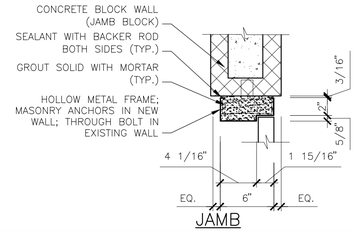

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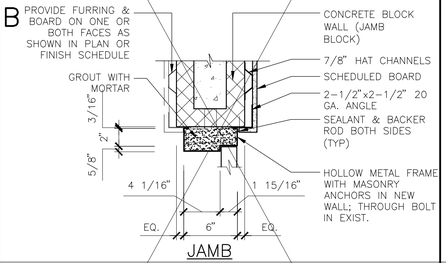

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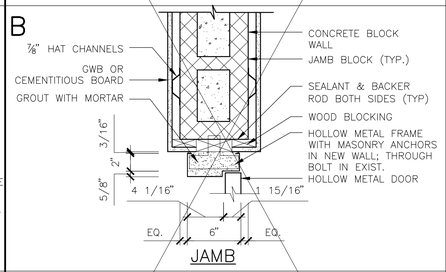

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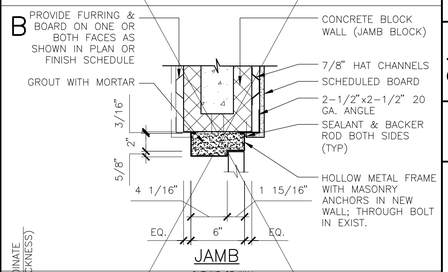

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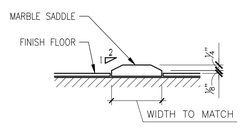

NOTE: IN FIRE RATED WALLS, INSTALL DOOR FRAME IN ACCORDANCE WITH NFPA 80.

C

NOTE: IN FIRE RATED WALLS, INSTALL DOOR FRAME IN ACCORDANCE WITH NFPA 80.

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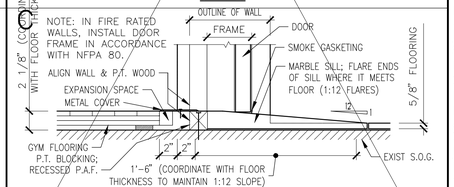


M1 A-703 INTERIOR SINGLE WYTHE 6" OR SMALLER; WRAP AROUND
SCALE: 1 1/2" = 1'-0"

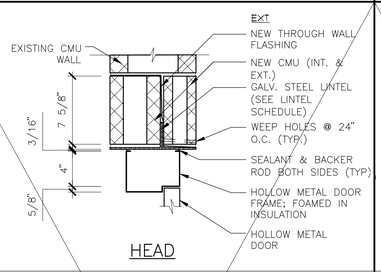
M2 A-703 INTERIOR SINGLE WYTHE 8" OR LARGER
SCALE: 1 1/2" = 1'-0"

M3 A-703 INTERIOR 7/8" FURRING
SCALE: 1 1/2" = 1'-0"

M4 A-703 JAMB & HEAD TYPES
SCALE: 1 1/2" = 1'-0"

M5 A-703 JAMB & HEAD TYPES
SCALE: 1 1/2" = 1'-0"

A



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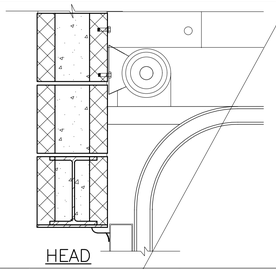

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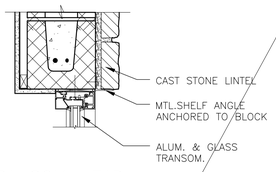
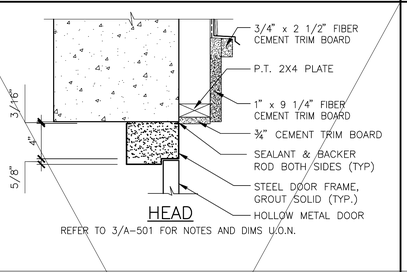
REFER TO 1/A501 FOR NOTES AND DIMS U.O.N.



TRANSOM HEAD

SEE JAMB BELOW FOR NOTES AND DIMS U.O.N.



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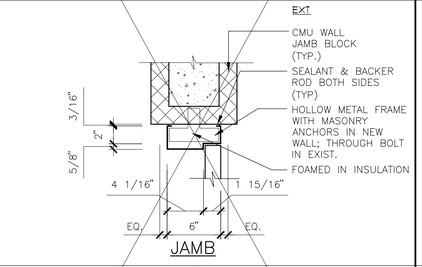
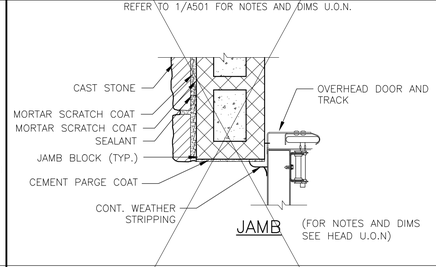
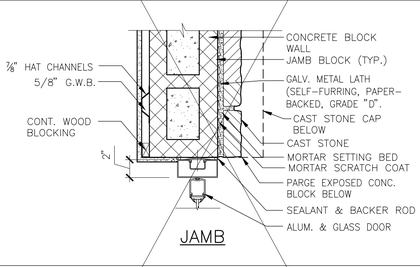


JAMB



JAMB (FOR NOTES AND DIMS SEE HEAD U.O.N)



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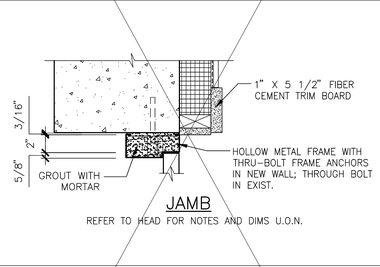
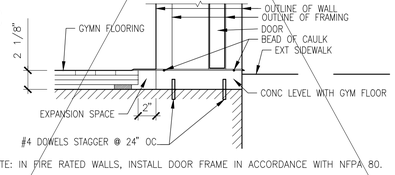


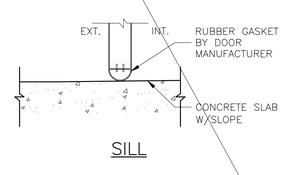
JAMB

REFER TO HEAD FOR NOTES AND DIMS U.O.N.

C



NOTE: IN FIRE RATED WALLS, INSTALL DOOR FRAME IN ACCORDANCE WITH NFPA 80.



SILL

M6 A-703 EXTERIOR SINGLE WYTHE NON-INSULATED
SCALE: 1 1/2" = 1'-0"

M7 A-703 OVERHEAD DOORS
SCALE: 1 1/2" = 1'-0"

M8 A-703 EXT. ALUM. & GLASS DOOR & TRANSOM
SCALE: 1 1/2" = 1'-0"

M9 A-703 EXTERIOR CONC. / SIDING INSULATED
SCALE: 1 1/2" = 1'-0"

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REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
FRAME INSTALLATION DETAILS - MASONRY EXTERIOR/INTERIOR

Project Number:	Responsible Party:	Reviewed By:
-	-	DC

Scale:
AS NOTED

Drawing Number:
A-703

WINDOW SCHEDULE

TYPE	OPERATION	MFR.	MFR. SERIES	MFR. CAT. NO.	FRAME SIZE (WxH)	FRAME AND SASH DETAIL	FRAME AND SASH MATERIAL	FINISH	GLASS	INSECT SCREEN	REMARKS
A	–	KAWNEER	TRIFAB 451	–	SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
B	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
C	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
D	–	KAWNEER	TRIFAB 451		SEE A–710	SEE A–300	AL	BAA	S–/T–B/C–B	-	
E	–	KAWNEER	TRIFAB 451		SEE A–710	SEE A–300	AL	BAA	S–/T–B/C–B	-	
F	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
G	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
H	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/L–B/C–B	-	STC – 38, 1/4"+1/2" AIR+1/4" LAMINATED GLASS
I	NOT USED	–								-	
J	NOT USED	–								-	
K	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	D–1/T–B/C–B	-	
L	–	KAWNEER	TRIFAB 451		SEE A–710		AL	BAA	S–/FG/C–B	-	¾ H RATED FG
M	–	KAWNEER	TRIFAB 451		SEE A–201		AL	BAA	D–1/T–B/C–B	-	

LIST OF ABBREVIATIONS FOR WINDOW SCHEDULE

OPERATION

- DH DOUBLE HUNG
- SH SINGLE HUNG
- C CASEMENT
- F FIXED
- SL SLIDING
- PI PROJECT IN ON TOP
- PO PROJECT OUT ON BOTTOM

FRAME AND SASH MATERIAL

- AL ALUMINUM
- WD WOOD
- ST STEEL
- V VINYL

GLASS

- S SINGLE PANE
- D–3/4 DOUBLE PANE ¾" THK INSULATED
- D–1 DOUBLE PANE 1" THK INSULATED
- T TRIPLE PANE
- A ANNEALED
- T–X TEMPERED
- L–X LAMINATED
- BR–X BURGLAR RESISTANT
- BP–X BULLET–PROOF
- FG FIRE GLASS
- C–X CLEAR
- T–X TINTED (COLOR)
- L LOW E

X:
- O OUTSIDE
- I INSIDE
- B BOTH

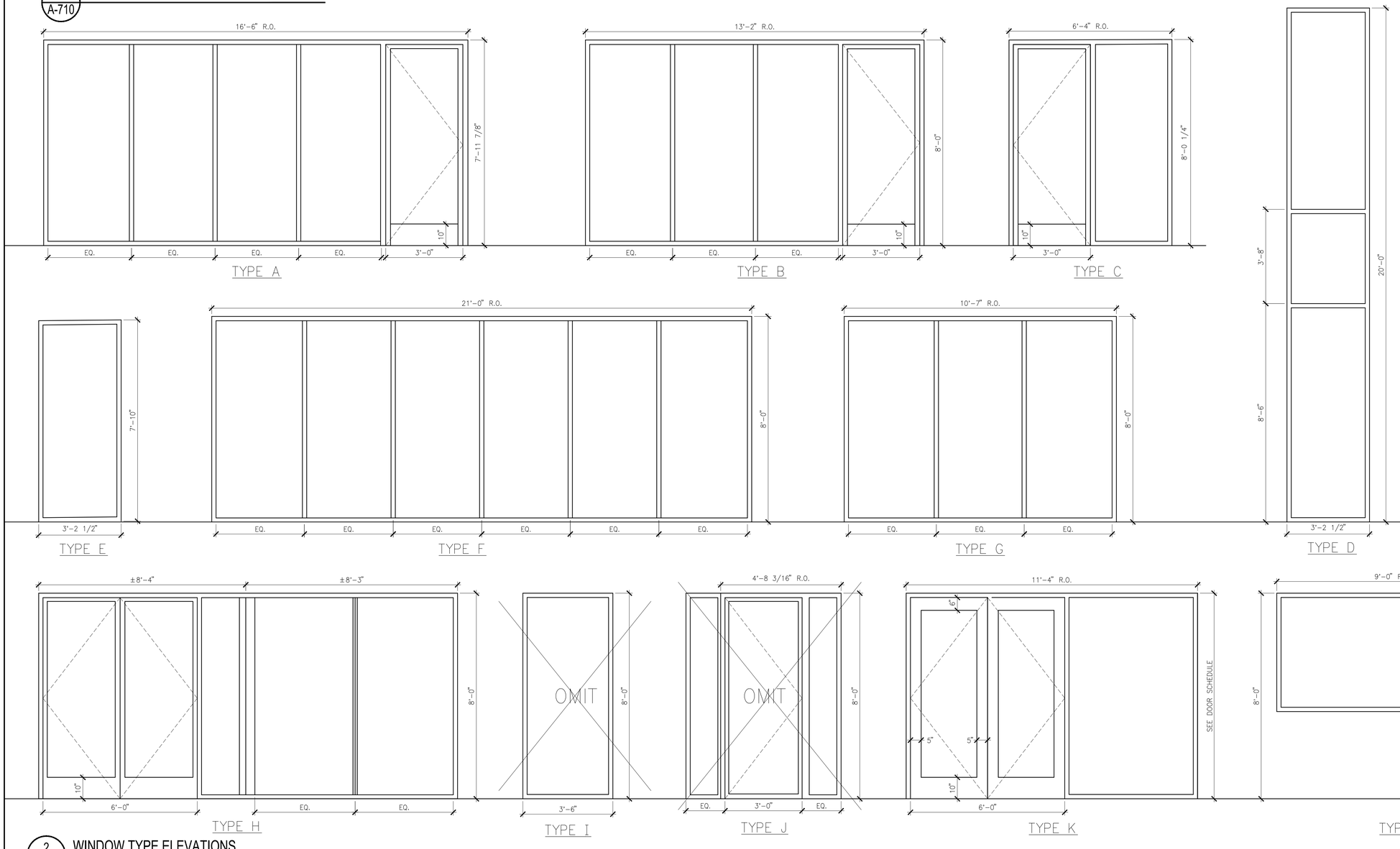
INSECT SCREEN

- I INSIDE SCREEN
- O OUTSIDE SCREEN

FRAME FINISH:

- SW= STAINED WOOD SEE SPEC. SECTION 081416–6
- PW= PAINTED WOOD SEE FINISH SCHEDULE
- PM= PAINTED METAL SEE FINISH SCHEDULE
- CAA= CLEAR ANODIZED ALUMINUM
- BAA= BRONZE ANODIZED ALUMINUM

1 / A-710 **WINDOW SCHEDULE**



2 / A-710 **WINDOW TYPE ELEVATIONS**

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

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Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
WINDOW SCHEDULE & TYPES

Project Number:	Responsible Party:	Reviewed By:
24012	RR	JK

Scale: AS NOTED

Drawing Number:
A-710

GENERAL NOTES

THE FOLLOWING NOTES APPLY EXCEPT WHERE SHOWN OTHERWISE:

CODE: 2020 BUILDING CODE OF NEW YORK STATE

STRUCTURAL LOADS

STAIRCASE LOAD:

DEAD LOAD : 45 PSF
LIVE LOAD : 100 PSF

MOVABLE PARTITION DEAD LOAD = 11 PSF (AS PER SECTION 2.3 OF MODERN FOLD TECHNICAL DATA SHEET)

ROOF LOAD:

DEAD LOAD = 15 PSF
SNOW LOAD = 25PSF

EARTHQUAKE LOADS: SEISMIC RISK OCCUPANCY CATEGORY: III
SEISMIC IMPORTANCE FACTOR, IE = 1.3
MAPPED ACCELERATIONS, SS = 0.28 S1 = 0.052
SITE CLASS = D
DESIGN ACCELERATIONS, SDS = 0.21 SD1 = 0.072
SEISMIC DESIGN CATEGORY: B
ANALYSIS PROCEDURE USED: STATIC LATERAL LOAD PROCEDURE

GENERAL CONDITIONS:

1. THESE DRAWINGS ARE INTENDED TO BE USED BY ONLY AN EXPERIENCED CONTRACTOR AFTER CONSULTATION WITH THIS OFFICE. THIS OFFICE WILL NOT BE RESPONSIBLE FOR JOB SITE PROBLEMS DUE TO FAILURE TO INTERPRET THE DOCUMENTS CORRECTLY. REPRESENTATIVES OF SAMP ENG. ARE AVAILABLE TO ANSWER QUESTIONS AND TO ASSIST THE CONTRACTOR BY EXPLAINING THE DESIGN INTENT. FAILURE BY THE CONTRACTOR TO UNDERSTAND THE COMPLEXITIES OF THE PROJECT AND THE SEQUENCE OF CONSTRUCTION CAN RESULT IN INJURY OR DEATH TO WORKERS. PROCEEDING WITH CONSTRUCTION WITHOUT FULL UNDERSTANDING OF THE PROJECT AND WITHOUT A COMPLETE SET OF DESIGN DOCUMENTS WILL PUT BOTH THE PROJECT AND INDIVIDUALS IN PERIL. THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR ANY CONSEQUENCE OF THAT ACTION.
2. ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS AS SPELLED OUT ON THESE NOTES. ALL PARTIES MUST CAREFULLY STUDY ALL DRAWINGS AND NOTES FOR ITEMS WHICH MAY PERTAIN TO THEIR TRADES. FAILURE TO READ THESE DRAWINGS AND NOTES DOES NOT PERMIT THE CONTRACTOR TO DEVIATE FROM THEIR REQUIREMENTS. QUESTIONS WILL BE CHEERFULLY ANSWERED BY THE ENGINEER.
3. ALL CONTRACTORS MUST VISIT SITE AND NOTE ALL EXISTING CONDITIONS AS WELL AS ALL CONDITIONS TO BE MET BEFORE SUBMITTING BID. LACK OF THOROUGH UNDERSTANDING OF THE PROJECT REQUIREMENTS SHALL NOT CONSTITUTE AN EXCUSE FOR ERRORS OR OMISSIONS, NOR JUSTIFY A REQUEST FOR EXTRA COMPENSATION.
4. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON JOB AND SHALL BE RESPONSIBLE FOR SAME.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE OF ALL GOVERNING AUTHORITIES.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS, AND DRAWINGS.
7. ALL CONTRACTORS AND SUBCONTRACTORS ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATION WITH OTHER TRADES, METHODS, SAFETY AND SECURITY ON THE JOB SITE. SAMP ENG. AND ITS AGENTS AND EMPLOYEES ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS AND SUBCONTRACTORS FROM ANY AND ALL CLAIMS, LOSSES, SUITS AND LEGAL ACTION WHATSOEVER ARISING FROM THE PERFORMANCE OF WORK ON THIS PROJECT.
8. ACCEPTANCE OF DEVIATIONS FROM ANY OF THE REQUIREMENTS OF THESE NOTES SHALL BE AT THE SOLE DISCRETION OF THE ENGINEER. ACCEPTANCE OF A DEVIATION FROM ANY REQUIREMENT SHALL NOT BE CONSTRUED AS PERMITTING ANY OTHER DEVIATION.

GENERAL NOTES:

1. ALL WORK TO CONFORM TO 2020 BUILDING CODE OF NEW YORK STATE REQUIREMENTS.
2. THE DESIGN PLANS AND NOTES, TO THE BEST OF ENGINEER'S KNOWLEDGE, COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.
3. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
4. SECTIONS AND DETAILS NOT DRAWN TO SCALE ARE FOR DIAGRAMMATIC PURPOSES ONLY AND SHOULD NOT BE UNDERSTOOD TO SHOW SPECIFIC DETAILED INFORMATION. INFORMATION PERTAINING TO SIZES, DIMENSIONS, NUMBER OF BOLTS AND OR REBAR, ETCETERA, MAY BE FOUND IN SCHEDULES PROVIDED.
5. CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
6. ALL DIMENSIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SHOULD NOT BE USED FOR ORDERING AND/OR FABRICATING MATERIAL. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO ORDERING AND/OR FABRICATING MATERIALS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS BY MEASUREMENTS AT THE JOB SITE AND SHALL TAKE ANY AND ALL OTHER MEASUREMENTS NECESSARY TO VERIFY THE DRAWINGS AND TO PERFORM HIS WORK PROPERLY.
8. THE EXCAVATION/UNDERPINNING/SHEETING CONTRACTOR SHALL EXERCISE CAUTION IN THE PROCESS OF THE WORK. IF DAMAGE OCCURS TO THE ADJACENT BUILDING ELEMENTS OR CONTENTS, DUE TO THE NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO RECTIFY ALL DAMAGE AND/OR REIMBURSE PROPERTY OWNERS FOR ANY AND ALL DAMAGES, TO THE SATISFACTION OF ALL CONCERNED PARTIES.
9. THE EXCAVATION/UNDERPINNING/PILING/SHEETING CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE SAFETY OF ALL ADJACENT STRUCTURES.
10. ANY AND ALL WORK PERFORMED WHICH AFFECTS THE ADJACENT BUILDING OPERATIONS SHALL CAUSE A MINIMUM OF DISTURBANCE TO THE NORMAL OPERATION OF AFFECTED PARTS OF THE BUILDING.

CONCRETE WORK:

CONCRETE

1. ALL CAST-IN-PLACE CONCRETE SHALL BE WITH THE EXPOSURE CATEGORIES, WATER - CEMENT RATIOS, ENTRAINED AIR AND MINIMUM 28-DAY COMPRESSIVE STRENGTHS AS INDICATED IN THE CONCRETE SCHEDULE ON THIS SHEET.

ELEMENTS	EXPOSURE CATEGORY				F'C
ALL STRUCTURAL CONCRETE	F1	S0	C0	W0	4000

2. CONCRETE MIX DESIGNS FOR ALL CONCRETE ELEMENTS SHALL COMPLY WITH ACI 318 BASED ON THE EXPOSURE CATEGORIES LISTED IN THE ABOVE TABLE. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

CURING AND SEALING:

1. PROVIDE SPECIFIED CURING COMPOUND AND SEALER FOR THE TOP SURFACE OF ALL SLAB WORK, UNLESS NOTED OTHERWISE. VERIFY COMPATIBILITY OF SPECIFIED SEALERS AND/OR HARDENERS WITH ARCHITECTURAL TOPPINGS AND FINISHES.

REINFORCING:

1. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL ASTM A615, GRADE 60 CONFIRMING TO ACI 318 SECTION 20.2.2.5. WELDABLE REINFORCING BARS SHALL CONFIRM TO ASTM A706. EPOXY COATED BARS, WHERE INDICATED ON PLAN, SHALL CONFORM TO ASTM A775 ALL WELDED WIRE REINFORCEMENT (WWR) SHALL CONFORM TO ASTM A185. EPOXY COATED WWR SHALL CONFORM TO ASTM A884, CLASS A. ALL HEADED SHEAR STUD REINFORCEMENT SHALL CONFORM TO ASTM A1044.
2. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF ACI 318 AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.
3. THE CONTRACTOR SHALL SUBMIT CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING, PLACEMENT AND SUPPORT DETAILS AND DOWELS AT EXPANSION JOINTS FOR REVIEW PRIOR TO FABRICATION.
4. ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF LATEST EDITION OF ACI 318 AND THE SPLICE TABLE INCLUDED IN THE STRUCTURAL DOCUMENTS UNO. ALL WWR SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY. WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE AND SPACING OF MAIN REINFORCING, UNO.
5. ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT PADS SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 6 X 6-W4.0 X W4.0 WWR AT TOP CONTINUOUS, UNO. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL REINFORCING REQUIREMENTS FOR PADS.
6. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE PLASTIC TIPPED.
7. IN NON-PRESTRESSED CAST-IN-PLACE CONCRETE, THE SPECIFIED CONCRETE COVER FOR REINFORCEMENT SHALL NOT BE LESS THAN THE FOLLOWING, UNLESS LARGER COVER IS NOTED ELSEWHERE.

• CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.
• CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18 BARS 2 IN.
#5 BAR, W31, OR D31 WIRE AND SMALLER 1 1/2 IN.
• CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS, JOISTS: #14 AND #18 BARS 1 1/2 IN,
#11 BAR AND SMALLER 3/4 IN.

ANCHORAGE TO HARDENED CONCRETE:

1. WHERE EXPANSION ANCHORS ARE SPECIFIED, USE "HILTI KWIK BOLT TZ" (REFERENCE ICC REPORT ESR-1917.) WHERE SCREW ANCHORS ARE SPECIFIED, USE "SIMPSON TITEN HD" (REFERENCE ICC REPORT ESR-2713). WHERE EPOXY ANCHORS ARE SPECIFIED, USE "HILTI HY-200" OR "SIMPSON SET-XP" (REFERENCE ICC REPORT ESR-3187 AND ESR-2508).
2. "HILTI HIT-RE 500", AND "SIMPSON SET" MAY NOT BE USED, UNLESS SPECIFICALLY PRE-APPROVED BY THE STRUCTURAL ENGINEER.
3. FOR EPOXY ANCHORS, USE ASTM A193 GRADE B7 THREADED ROD, UNLESS OTHERWISE NOTED. HOLES MUST BE CLEANED OF DUST AND DEBRIS AND BE FREE OF STANDING WATER WHEN EPOXY IS INSTALLED. SPECIAL INSPECTION OF EPOXY ANCHORS IS REQUIRED. DO NOT CUT ANY REINFORCING BARS TO INSTALL ANCHORS. DEFECTIVE HOLES SHALL BE FILLED SOLID WITH EPOXY.
4. FOR ANY SUBSTITUTIONS TO THE ABOVE, THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER MANUFACTURER'S LITERATURE DESCRIBING THE ANCHORS AND LISTING ICC APPROVED ALLOWABLE SHEAR AND TENSION VALUES.

FOUNDATIONS & SUB-GRADE:

1. THE FOUNDATION FOR THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING ALLOWABLE SOIL BEARING PRESSURES AS PER STRUCTURAL SET SHEET NO: S-300 DATED BY 12 FEB. 2004.
TOTAL LOAD.....2 TSF (NET)
2. THE FOOTING LEVEL SHALL BE TESTED USING DROP-BAR PERCUSSION TEST OR PENETROMETER TO A DEPTH OF 3 OR 4 FEET BELOW BEARING LEVELS TO INSURE ADEQUATE BEARING MATERIALS COMPLY WITH BORING LOGS AND DESIGN CRITERIA.
3. THE BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF FOUR (4) FEET BELOW FINISHED GRADE, OR AS REQUIRED BY LOCAL BUILDING CODES.
4. EXCAVATION SHALL BE PERFORMED SO AS NOT TO DISTURB EXISTING ADJACENT BUILDINGS, STREETS, AND UTILITY LINES. VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. HAND EXCAVATE AROUND UTILITIES AS REQUIRED.
5. REMOVE EXISTING VEGETATION, TOPSOIL AND UNSATISFACTORY SOILS MATERIALS. PROOF ROLL SUBGRADE TO OBTAIN UNIFORMLY DENSIFIED SUBSTRATA PRIOR TO PLACING FILL MATERIAL EVENLY IN 8" THICK (MAXIMUM) LAYERS AND COMPACTING TO REQUIRED DENSITY.
6. SEE THE GEOTECHNICAL REPORT FOR EXCAVATION, BACKFILL AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE INCLUDING COMPACTION REQUIREMENTS. IF GEOTECHNICAL REPORT IS NOT AVAILABLE, GEOTECHNICAL ENGINEER SHALL BE CONTRACTED WITH TO PROVIDE SPECIFICATIONS.
7. THE OWNER SHALL RETAIN THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER, SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER, TO PERFORM SOIL TESTING AND INSPECTION. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE TO VERIFY BEARING LEVELS AND ENSURE THAT THE SAFE BEARING CAPACITY MEETS OR EXCEEDS THE DESIGN VALUE INDICATED ON CONTRACT DOCUMENTS. FIELD REPORTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER OUTLINING THE WORK PERFORMED AND TEST RESULTS.
8. THE INSPECTION AND TESTING OF ALL SUBGRADE AND COMPACTED EARTHWORK SHALL BE CONDUCTED UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL CONSULTANT. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER 24 HOURS PRIOR TO PLACEMENT OF CONCRETE IN THE FOOTINGS. IF UNSUITABLE SUBGRADE SOILS ARE ENCOUNTERED, THE CONTRACTOR SHALL SUBMIT RECOMMENDATIONS PREPARED BY A GEOTECHNICAL CONSULTANT TO THE STRUCTURAL ENGINEER FOR APPROVAL.
9. THE SUBGRADE AND EACH LAYER OF FILL OR BACKFILL SHALL BE COMPACTED TO A DRY DENSITY AT LEAST EQUAL TO 95% OF THE MAXIMUM DRY DENSITY ATTAINED BY THE MODIFIED PROCTOR TEST ASTM D1557.
10. IF CONDITIONS PROVE TO BE UNACCEPTABLE AT THE BEARING ELEVATIONS SHOWN, THE FOOTING BEARING ELEVATIONS MAY NEED TO BE LOWERED BASED ON THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. FINAL BEARING ELEVATIONS AND BACKFILL RECOMMENDATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO FIELD MODIFICATION. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY THE SUBGRADE IS APPROVED BY THE GEOTECHNICAL ENGINEER.
11. CONCRETE FOUNDATIONS SHALL NOT BE PLACED IN WATER OR ON FROZEN EARTH.
12. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.
13. SLAB-ON-GRADE HAS BEEN DESIGNED USING A SUBGRADE MODULUS OF K=100 PCI AND DESIGN LOADING OF 100 PSF. THE GEOTECHNICAL ENGINEER SHALL ENSURE SUB-GRADE IS PREPARED TO MINIMUM SPECIFICATION, OTHERWISE THE DESIGNER IS NOT RESPONSIBLE FOR DIFFERENTIAL SETTLEMENT, SLAB CRACKING OR OTHER FUTURE DEFECTS RESULTING FROM UNREPORTED CONDITIONS MITIGATING THE ABOVE ASSUMPTIONS.
14. SLAB-ON-GRADE SHALL BE UNDERLAIN BY A MINIMUM OF SIX INCHES OF STABLE GRANULAR MATERIAL AND 10 MIL VAPOR BARRIER.
15. THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE SITE AND TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE FOUNDATION EXCAVATIONS REMAIN DRY DURING CONSTRUCTION.
16. DEWATERING OF THE SITE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY SHEETING OR SHORING REQUIRED FOR DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR NOT TO UNDERMINE EXISTING FOUNDATIONS. METHOD OF DEWATERING AND CALCULATIONS FOR THE APPROPRIATE SYSTEM ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
17. PROVIDE A CONTINUOUS WATERSTOP AT ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN THE ELEVATOR PIT AND ALL OTHER PIT WALLS. REFER CONCRETE NOTES FOR WATERSTOP SPECIFICATIONS.
18. BACKFILL SHALL BE BROUGHT UP SIMULTANEOUSLY ON EACH SIDE OF WALLS AND GRADE BEAMS WITH A GRADE DIFFERENCE NOT TO EXCEED 2'-0" AT ANY TIME.
19. BACK-FILLING AGAINST FOUNDATION WALLS WHICH RETAIN EARTH SHALL BE DONE CAREFULLY WITH SMALL COMPACTION EQUIPMENT, AFTER CONCRETE SLAB AND ELEVATED FLOOR SLAB ARE IN PLACE AND CONCRETE HAS OBTAINED THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH. TRUCKS BULLDOZERS, ETC. SHALL NOT BE ALLOWED CLOSER THAN 6'-0" TO ANY FOUNDATION WALL. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SHORING WHERE REQUIRED.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE USE OF FOUNDATION REINFORCING STEEL AS A CONCRETE-ENCASED GROUNDING ELECTRODE WHERE REQUIRED. THE BONDING CONNECTION SHALL BE INSTALLED PRIOR TO PLACEMENT OF CONCRETE IN ACCORDANCE WITH THE APPLICABLE NEW YORK STATE BUILDING CODE AND NEC ARTICLE 250.
21. ALL STAINLESS STEEL REINFORCING SHALL BE AUSTENITIC TYPE 316 DEFORMED BARS CONFORMING TO THE STANDARDS OF ASTM A276 AND ASTM A955.
22. PROVIDE #4 HAIRPIN BARS WITH 12" LEGS AT 6" O.C. (MINIMUM) AT HEAD OF ALL OPENINGS WITH (2) #5 BARS EXTENDING 30" BEYOND OPENING AT HEAD. PROVIDE (2) #5 EXTRA BARS EXTENDING 30" (MINIMUM) BEYOND CORNERS AT TOP, BOTTOM AND EACH SIDE OF OPENINGS. USE (2) #5 X 4'-0" DIAGONALS AT EACH CORNER OF OPENINGS EXCEPT FOR 6" WALLS. USE (1) #5 X 4'-0" DIAGONAL AT EACH CORNER IN 6" WALLS.
23. USE #4 RAISER BARS FOR ALL SLABS. WHERE SLAB STEEL IS PARALLEL TO A BEAM OR WALL PROVIDE #4 X 5'-0" AT 12" OC IN TOP OF SLAB ACROSS BEAM OR WALL. WHERE SLAB IS ON ONE SIDE ONLY, TOP ELBOW BARS SHALL BE #4 X 3'-0" AT 12" OC. AT OPENINGS UNDER 18" SQUARE PROVIDE 2 BARS SAME SIZE AS MAIN STEEL EXTENDING 32 DIAMETERS PAST OPENING, AT EACH SIDE AND DIAGONALLY AT CORNERS.

STRUCTURAL STEEL:

1. ANGLES, AND PLATES TO BE ASTM A36, FY=36 KSI.
HSS SQUARE STRUCTURAL TUBE TO BE ASTM A500, GRADE B, FY=46 KSI.
WIDE FLANGE SHAPES TO BE ASTM A992,FY=50KSI.
2. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC SPECIFICATIONS (360-05) FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, AND SHALL COMPLY WITH ALL LOCAL LAWS AND ORDINANCES. WHERE THERE MAY BE CONFLICTING REQUIREMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
3. ALL STEEL EXCEPT STEEL EMBEDDED IN CONCRETE SHALL BE GIVEN ONE SHOP COAT OF APPROVED PAINT.
4. WELDS TO BE 3/16" MINIMUM CONTINUOUS FILLET,BY CERTIFIED WELDERS USING E70XX ELECTRODES.
5. ALL WELDING SHALL BE PERFORMED IN STRICT ADHERENCE TO A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. ALL WELDING PARAMETERS SHALL BE WITHIN THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY FOR REVIEW BEFORE STARTING FABRICATION OR ERECTIONS. COPIES OF THE WPS SHALL BE ON SITE AND AVAILABLE TO ALL WELDERS AND THE SPECIAL INSPECTOR.
6. STEEL TO STEEL BOLTED CONNECTIONS ARE SHOWN TO BE BEARING-TYPE CONNECTIONS USING A325 BOLTS WITH THREADS INCLUDED IN THE SHEAR PLANE. HOLE SIZE SHALL BE IN ACCORDANCE WITH AISC SPECIFICATION FOR BEARING CONNECTION AND BOLTS SHALL BE TIGHTENED TO SNUG-TIGHT CONDITION.
7. ANCHOR BOLTS EMBEDDED IN CONCRETE OR MASONRY ARE ASTM F1554 GRADE 36, UNLESS OTHERWISE NOTED. USE HEADED ANCHOR BOLTS, NOT "J" BOLTS. DO NOT ENLARGE HOLES IN BASE PLATE BY BURNING. BENDING OF ANCHOR BOLTS IS PERMITTED ONLY WITH THE PRIOR APPROVAL FROM THE ENGINEER.
8. HIGH STRENGTH ANCHOR BOLTS TO BE ASTM F1554, A354, OR ASTM A193 GRADE B7, MINIMUM YIELD STRENGTH PER DRAWINGS. NO WELDING TO OR BENDING OF HIGH STRENGTH ANCHOR BOLTS IS PERMITTED. BOLT HOLES SHALL CONFORM TO AISC REQUIREMENTS.
9. SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH BOLTS OR WELDS.
10. THE STEEL FABRICATOR SHALL HAVE ALL CONNECTIONS, NOT OTHERWISE DESIGNED ON CONTRACT DOCUMENTS INCLUDING STANDARD CONNECTIONS, DESIGNED BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW JERSEY WHO SHALL AFFIX HIS SEAL AND SIGNATURE ON CALCULATIONS. ALL SHOP DRAWINGS SHALL BE PREPARED BY OR UNDER THE DIRECT SUPERVISION OF LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW JERSEY. THE PROFESSIONAL ENGINEER SHALL AFFIX HIS SEAL AND SIGNATURE ON ALL SHOP DRAWINGS, EXCEPT FOR ERECTION PLANS. REVIEW OF SHOP DRAWINGS BY A/E IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT OF PROJECT AND GENERAL COMPLIANCE WITH INFORMATION GIVEN IN CONTRACT DOCUMENTS. IT DOES NOT RELIEVE THE CONTRACTOR FROM THE FULL RESPONSIBILITY FOR HIS WORK. ALL FORCES SHOWN ARE UNFACTORED.
11. THE CONTRACTOR SHALL SUPPLY ALL TEMPORARY BRACING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING ERECTION. BRACING SHALL NOT BE REMOVED UNTIL ALL PERMANENT BRACING AND SHEAR WALLS HAVE BEEN INSTALLED, ALL WELDING HAS BEEN COMPLETED, ALL BOLTS HAVE BEEN PROPERLY TIGHTENED, TOP SUPPORTING ROOF DECK AND CONCRETE FLOOR SLAB HAVE BEEN PROPERLY PLACED, AND CONCRETE ACHIEVED ITS 28-DAY STRENGTH.
12. COLUMN ANCHOR BOLTS WITH NUTS AND WASHERS, SHALL BE SUPPLIED BY THE STRUCTURAL STEEL CONTRACTOR, AND SET BY THE FOUNDATION CONTRACTOR.
13. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS, OR APPROVAL IS RECEIVED FROM THE ENGINEER.
14. ALL OTHER STEEL SHALL RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH - UP COAT OF RUST INHIBITIVE PRIMER MINIMUM DRY FILM THICKNESS SHALL BE 2 MILL, FINISH COAT SHALL MATCH EXISTING COLOR.
15. GALVANIZED ITEMS SHALL BE ZINC - COATED BY THE HOT-DIP METHOD IN ACCORDANCE WITH THE FOLLOWING: ASTM A123, A153, A385, A386.
16. WHERE NOT SPECIFICALLY SHOWN BY DETAIL, CONNECTIONS SHALL BE BOLTED FRAME BEAM CONNECTIONS PER AISC STANDARDS. DURING ERECTION, STRUCTURAL STEEL SHALL BE SECURED FROM COLLAPSING WITH TEMPORARY BRACING.
17. SUBMIT SHOP DRAWINGS PREPARED BY AN EXPERIENCED DETAILER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS TO BE COMPLETE, SHOWING ALL WELDS AND MATERIAL GRADES. PROVIDE A PLAN LOCATION OR DETAIL REFERENCE FOR EACH SHOP DRAWING. FOR MINOR STEEL-TO-STEEL CONNECTIONS OF 12" AND SMALLER STEEL MEMBERS: IF AN EXPLICIT CONNECTION IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, DETAILER IS TO PROPOSE A CONNECTION SIMILAR TO THE CONNECTIONS ON THE DRAWINGS OR PER AISC STANDARD CONNECTIONS. ON THE SHOP DRAWING, CLOUD THE CONNECTION AND STATE "VERIFY." SHOP DRAWINGS NOT MEETING THESE CONDITIONS WILL BE REJECTED. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR DESIGN INTENT ONLY, AND DOES NOT INCLUDE VERIFICATION OF DIMENSIONS AND QUANTITIES. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DEMAND CRITICAL WELDS:

1. WELDS DESIGNATED AS DEMAND CRITICAL SHALL BE MADE WITH FILLER MATERIAL MEETING THE REQUIREMENTS SPECIFIED IN AWS D1.8.

A. COMPLETE PENETRATIONS WELDS ON HEAVY SECTIONS:

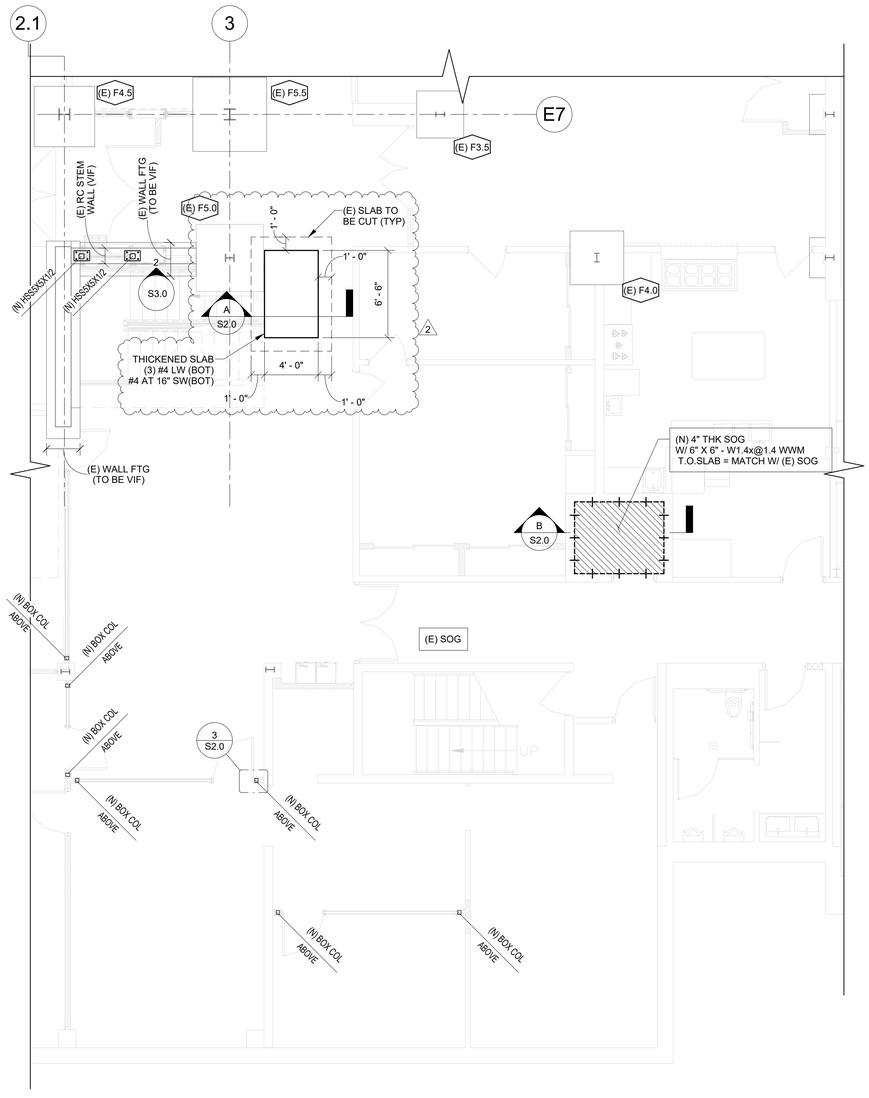
1. ASTM A6 GROUP 3 SHAPES WITH A FLANGE THICKNESS OF 1 1/2 INCHES OR GREATER, GROUP 4 AND 5 ROLLED SHAPES, & PLATES EXCEEDING 2 - INCH THICKNESS USED FOR BUILT - UP MEMBERS, THE FOLLOWING ADDITIONAL REQUIREMENTS SHALL APPLY:
2. MECHANICAL PROPERTIES OF THE IN - PLACE WELD (FILLER METAL) SHALL HAVE CHARPY V-NOTCH IMPACT TOUGHNESS OF AT LEAST 20 FOOT - POUNDS AT 0 DEGREES FAHRENHEIT, AND 4 FOOT - POUNDS AT 70 DEGREES FAHRENHEIT.
3. FIELD WELDS MAY NOT BE APPLIED OVER SHOP WELDS UNLESS A MANUFACTURED APPROVED COMPATIBLE ELECTRODE IS USED IN BOTH THE SHOP AND FIELD.
4. BACKER PLATES FOR COMPLETE PENETRATIONS WELDS SHALL HAVE RUN-OFF TABS WITHOUT WELD TAB AT TIP OF STRUCTURAL MEMBER. RUN - OFF TABS SHALL BE REMOVED AND THE AFFECTED AREA GROUND SMOOTH AND TESTED FOR DEFECTS USING THE MAGNETIC PARTICLE METHOD.
5. ALL FUSIBLE BACKER PLATES USED FOR WELDING ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM, WITH THE EXCEPTION OF COLUMN SPLICES, SHALL BE REMOVED FROM THE TOP AND BOTTOM FLANGE OF ALL CONNECTIONS. THE WELD SHALL BE BACK GOUGED, BACKWELDED, AND REINFORCED WITH A FILLET WELD. THE REINFORCING FILLET SHALL HAVE A MINIMUM LEG SIZE OF 5/16 INCH OR THE ROOT OPENING PLUS 1/16 INCH, WHICHEVER IS LARGER, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE FILLET WELD AND TESTED AS NOTED ABOVE.

CONCRETE METAL DECK

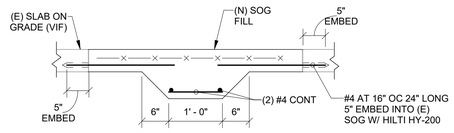
1. THE COMBINED STEEL AND CONCRETE UNIT SHALL BE CAPABLE OF SUPPORTING SUPERIMPOSED TOTAL LOAD OF DEAD LOAD PLUS LIVE LOAD AS INDICATED UNDER "LIVE LOADS".
2. THE FLOOR DECK SHALL BE FASTENED TO THE SUPPORTS BY 3/4" DIAMETER WELDS SPACED NOT MORE THAN 12" OC. ACROSS THE WIDTH OF THE PANEL OR BY HEADED STUDS WELDED THROUGH DECK TO STEEL BEAMS. SIDE LAPS OF ADJACENT UNIT SHALL BE FASTENED AT 2' - 0" OC.
3. SHORING REQUIREMENTS SHALL BE AS DETERMINED BY DECK SUPPLIER AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
4. SHOP DETAILS TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SUBMIT SHOP DRAWINGS PREPARED BY AN EXPERIENCED DETAILER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS TO BE COMPLETE, SHOWING ALL WELDS AND MATERIAL GRADES. PROVIDE A PLAN LOCATION OR DETAIL REFERENCE FOR EACH SHOP DRAWING. FOR MINOR STEEL-TO-STEEL CONNECTIONS OF 12 " AND SMALLER STEEL MEMBERS:
5. IF AN EXPLICIT CONNECTION IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, DETAILER IS TO PROPOSE A CONNECTION SIMILAR TO THE CONNECTIONS ON THE DRAWINGS OR PER AISC STANDARD CONNECTIONS. ON THE SHOP DRAWING, CLOUD THE CONNECTION AND STATE "VERIFY." SHOP DRAWINGS NOT MEETING THESE CONDITIONS WILL BE REJECTED. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR DESIGN INTENT ONLY, AND DOES NOT INCLUDE VERIFICATION OF DIMENSIONS AND QUANTITIES. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

SCOPE OF STRUCTURAL ENGINEERING SERVICES:

1. THE STRUCTURAL ENGINEER HAS PERFORMED THE STRUCTURAL DESIGN AND PREPARED THE STRUCTURAL WORKING DRAWINGS FOR THIS PROJECT. THE CONSTRUCTION MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ANY DEVIATION FROM THE DRAWINGS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. ERRORS AND/OR OMISSIONS FOUND ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION IMMEDIATELY.
2. ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS. ANY DISCREPANCIES, CONTRADICTIONS, OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK OR FABRICATION OF THE ITEM(S) IN QUESTION.
3. THE STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM, EXCEPT FOR ANY COMPONENTS NOTED ABOVE. RESPONSIBILITY FOR ANY SECONDARY STRUCTURAL AND NON-STRUCTURAL SYSTEMS NOT SHOWN ON THE STRUCTURAL

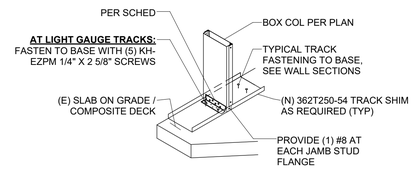


1 PARTIAL PLAN FOR PROPOSED FOUNDATION PLAN
3/16" = 1'-0"



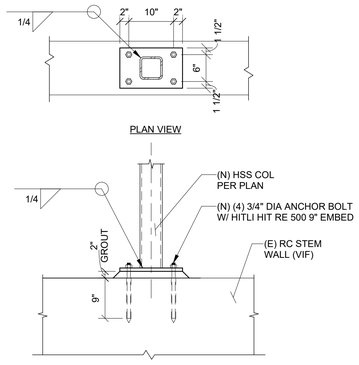
2 TYPICAL THICKENED SLAB DETAIL ON (E) SOG
3/4" = 1'-0"

COL WIDTH	CLIP TYPE	NO. OF SCREWS
3 5/8"	RCA333/68	(6) #10

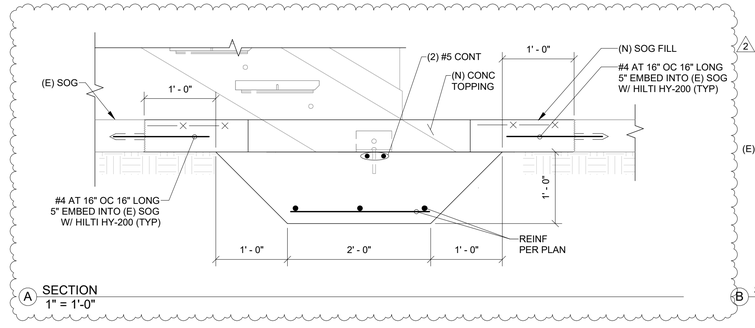


3 (N) BOX COL ON (E) SOG/DECK CONN. DETAIL
3/4" = 1'-0"

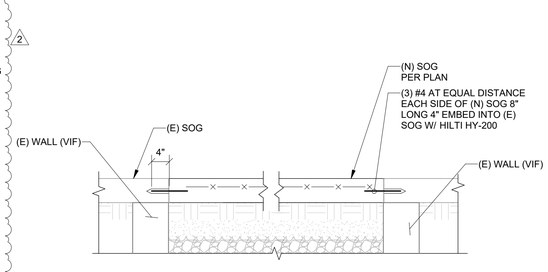
BASE PLATE SCHED* (UNLESS SHOWN OTHERWISE)	
COLUMN SIZE	BASE PLATE
HSS 5 x 5	PL 3/4 x 14" x 9"



4 TYPICAL (N) HSS COL ON (E) RC STEM WALL DETAIL
3/4" = 1'-0"



A SECTION
1" = 1'-0"



B SECTION AT ELEVATOR PIT
3/4" = 1'-0"

KEY PLAN (FOR FLOOR)
1" = 80'-0"

FOUNDATION NOTES

1. COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS. DIMENSIONS ARE CONTROLLED BY THE ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IN DIMENSION BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION. COORDINATE W/ ARCHITECTURAL PLANS FOR COLUMN AND WALL LOCATIONS.
2. F.X.X INDICATES EXISTING FOOTING MARK.
3. ELEVATION 0' - 0" IS USED AS A REFERENCE DATUM. ALL ELEVATIONS ARE W/ REFERENCE TO THIS DATUM. TOP OF (E) SLAB AT BASEMENT LEVEL IS ASSUMED TO BE AT THIS ELEVATION.
4. SEE GENERAL NOTES ON S1.0 FOR ADDITIONAL INFORMATION.
5. EXISTING WALL, WALL FOOTING AND ISOLATED FOOTING ARE CONSIDERED TO BE SAFE AND THE RESPONSIBILITY LIES TO THE OWNER.
6. GC TO TAKE CARE OF SHORING REQUIREMENTS AND PROVIDE SHORING ACCORDINGLY.
7. FILL EXISTING ELEVATOR PIT WITH COMPACTED CRUSHED STONE. PROVIDE 2" THICK LAYER OF SAND OR STONE FINES OVER COMPACTED FILL. INSTALL VAPOR BARRIER OVER PREPARED SUBGRADE. PROVIDE 4" THICK CONCRETE SLAB-ON-GRADE, LEVEL AND FLUSH WITH ADJACENT EXISTING CONCRETE SLAB-ON-GRADE.

STRUCTURAL ABBREVIATIONS

FS	FAR SIDE	STL	STEEL
FT	FOOT/FEET	STRUCT	STRUCTURAL
FTG	FOOTING	SUPP	SUPPORT
GA	GAGE	SW	SHORT WAY OR SHEARWALL
GALV	GALVANIZED	SYM	SYMMETRICAL
GEN	GENERAL	TOC	TOP OF CONCRETE
GLB	GLUED LAMINATED BEAM	TOP&BOT	TOP AND BOTTOM
GR	GRADE	T&G	TONGUE & GROOVE
GWB	GYPSUM WALL BOARD	TRANS	TRANSVERSE
HORIZ	HORIZONTAL	TRTD	TREATED
HSS	HOLLOW STRUCTURAL SECTION	(TYP)	TYPICAL
IBC	INTERNATIONAL BUILDING CODE	UBC	UNIFORM BUILDING CODE
IF	INSIDE FACE	UNO	UNLESS NOTED OTHERWISE
IN	INCH (ES)	VERT	VERTICAL
INT	INTERIOR	V.I.F.	VERIFY IN FIELD
INSUL	INSULATION	W/	WITH
JT	JOINT	WF	WIDE FLANGE
LF	LINEAL FOOT	W/O	WITHOUT
LLH	LONG LEG HORIZONTAL	WP	WORK POINT
LLV	LONG LEG VERTICAL	WT	STRUCTURAL TEE
LSL	LAMINATED STRAND LUMBER	WWF	WELDED WIRE FABRIC
LVL	LAMINATED VENEER LUMBER		

NOTE: ONLY SOME OF THE ABOVE GIVEN ABBREVIATIONS HAVE BEEN USED

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REVISIONS

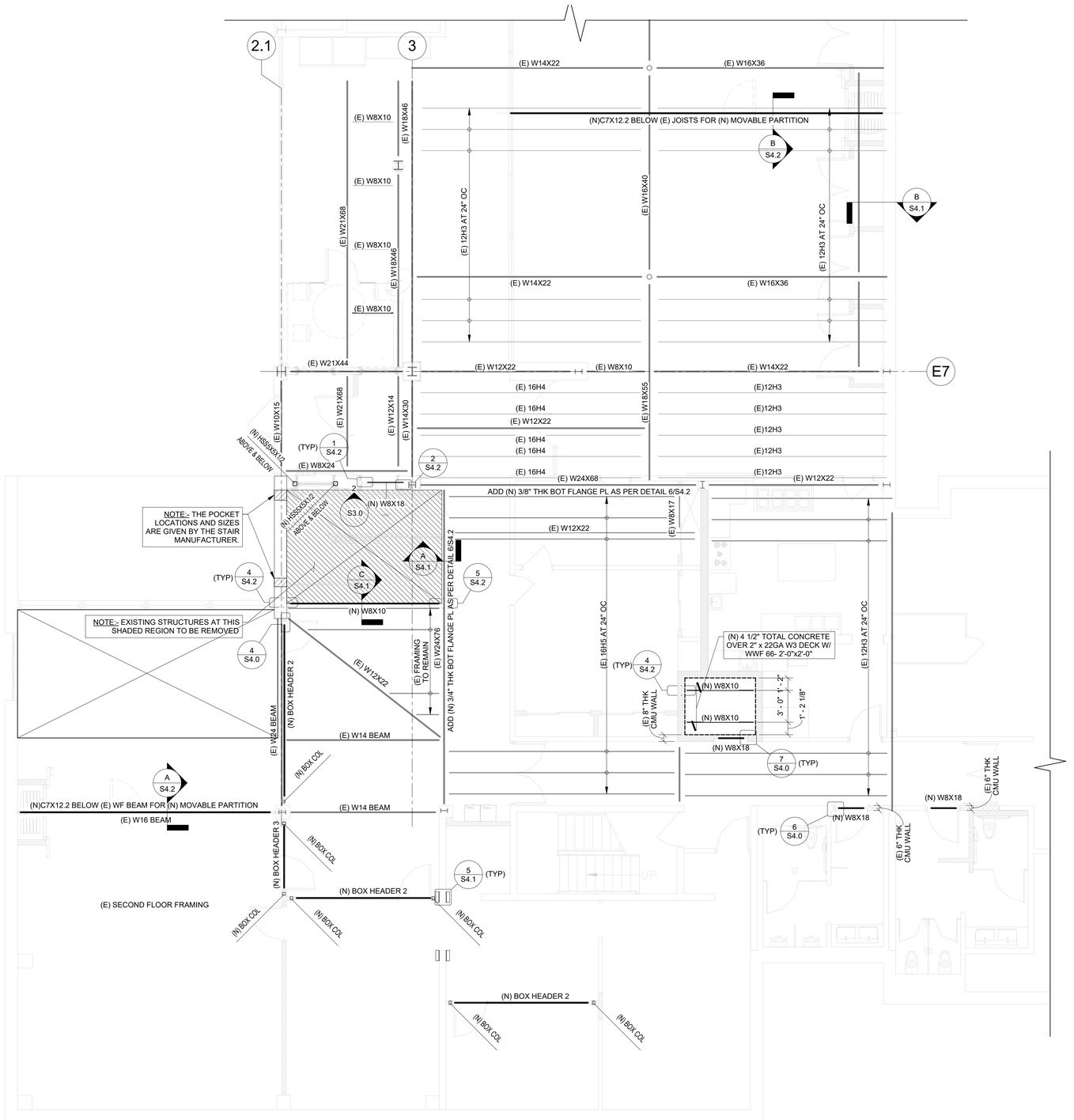
No:	Date:	Description:	
R0	12/23/2025	ISSUED FOR PERMIT	
R1	03/12/2026	REVISION	
R2	05/01/2026	REVISION	
R3	05/28/2026	REVISION	

Drawing:
PARTIAL PLAN FOR PROPOSED FOUNDATION & STRUCTURAL ABBREV.

Project Number:	Responsible Party:	Reviewed By:
25170	SEVA	SNP

Scale:
As indicated

Drawing Number:
S2.0



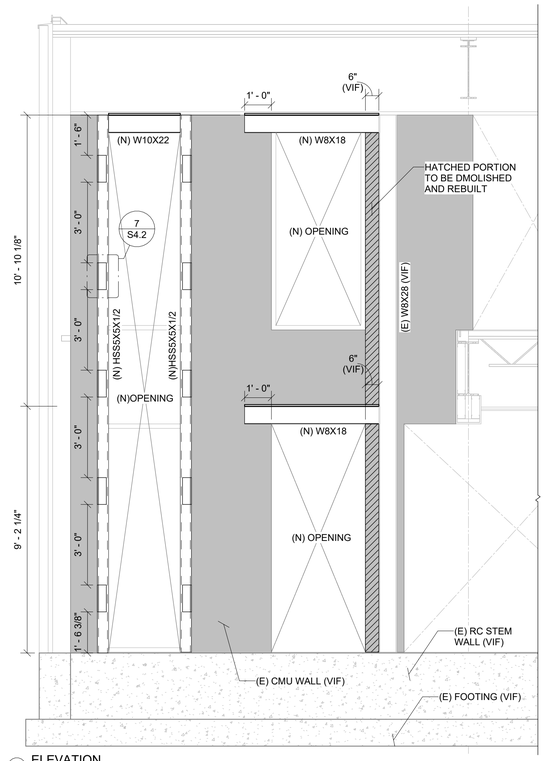
1 PARTIAL PLAN FOR PROPOSED LOWER LEVEL FRAMING AT EL = +12' - 0"
3/16" = 1'-0"

BOX COL SCHEDULE	
TAG	SIZE
(N) BOX COL	(2)362S300-54

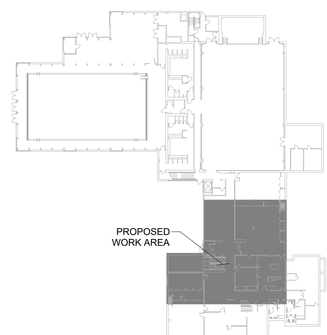
BOX HEADER SCHEDULE	
TAG	SIZE
BOX HEADER 2	(2)1000S300-68 (2)362T200-54
BOX HEADER 3	(2)1000S200-54 (2)362T200-54

FRAMING NOTES

1. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATION AND SIZE OF FLOOR OPENINGS.
2. REFER TO ARCHITECTS FLOOR PLAN FOR DIMENSIONS.
3. SEE THE GENERAL NOTES ON SHEETS S1.0 FOR ADDITIONAL INFORMATION.
4. ALL EXISTING FRAMING AND IT'S CONNECTION IS ASSUMED TO BE SAFE AND ITS RESPONSIBILITY LIES SOLELY WITH CLIENT.
5. COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS.
6. [XX] INDICATES SHEAR STUDS REQUIRED AT COMPOSITE BEAM. USE 3/4" DIA STUDS. HEIGHT OF STUDS SHALL BE 1" LESS THAN THICKNESS OF SLAB. SEE S4.0 FOR FURTHER INFO.
7. 'FORM DECK' SHALL BE WELDED TO EACH SUPPORT WITH (4) 1/2" EFFECTIVE DIAMETER PUDDLE WELDS (36/4 PATTERN - PERPENDICULAR TO DECK FLUTES). AT PERIMETER - PARALLEL TO THE DECK FLUTES THE DECK SHALL BE WELDED WITH 1/2" PUDDLE WELDS AT 12" OC. BUTTON PUNCH SIDE SEAMS SHALL BE USED AT 24" OC.
8. DECK SHORING REQUIREMENTS SHALL BE CHECKED WITH MFR 'S DATA.
9. CONTINUOUS 3/8" BENT PLATE SHALL BE USED AT ALL FREE SLAB EDGES WITH #4 X 2'-0" BARS AT 1'-6" OC WELDED TO THE PLATE U.N.O. USE WELDABLE GRADE A706 REBAR.



2 ELEVATION
3/8" = 1'-0"



KEY PLAN (FOR FLOOR)
1" = 50'-0"

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
OSSINING, NY

Consultants

Structural Engineer:
SEVA Engineering
DESIGN | ENGINEERING | CONSULTING
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Seal:

REVISIONS

No:	Date:	Description:	
R0	12/23/2025	ISSUED FOR PERMIT	
R1	03/12/2026	REVISION	
R2	05/01/2026	REVISION	
R3	05/28/2026	REVISION	

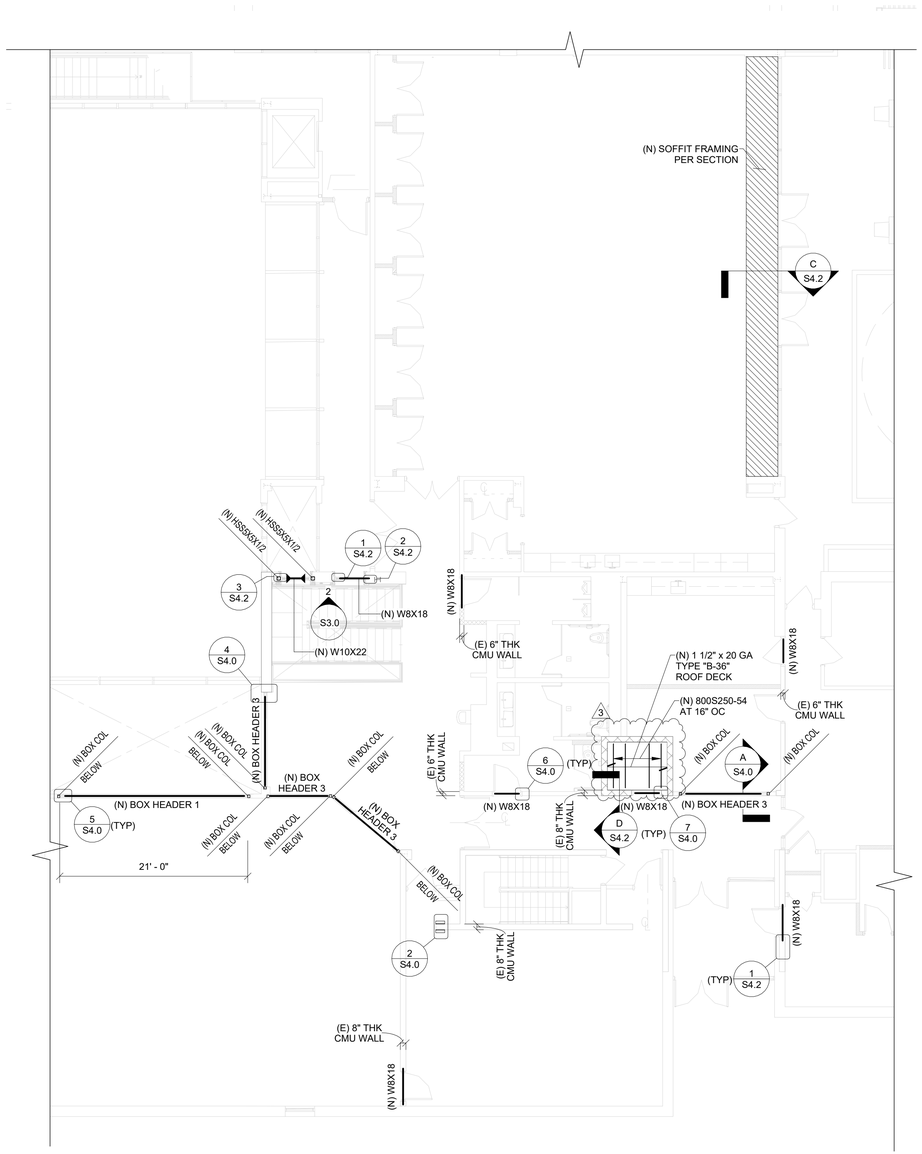
Drawing:
PARTIAL PLAN FOR PROPOSED LOWER LEVEL

Project Number:	Responsible Party:	Reviewed By:
25170	SEVA	SNP

Scale: As indicated

Drawing Number:

S3.0



1 PARTIAL PLAN FOR PROPOSED ROOF FRAMING
1/8" = 1'-0"

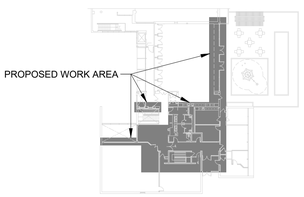
BOX COL SCHEDULE	
TAG	SIZE
(N) BOX COL	(2)362S300-54

BOX HEADER SCHEDULE	
TAG	SIZE
BOX HEADER 1	(2)1000S350-118 (2)362T250-54
BOX HEADER 3	(2)1000S200-54 (2)362T200-54

FRAMING NOTES

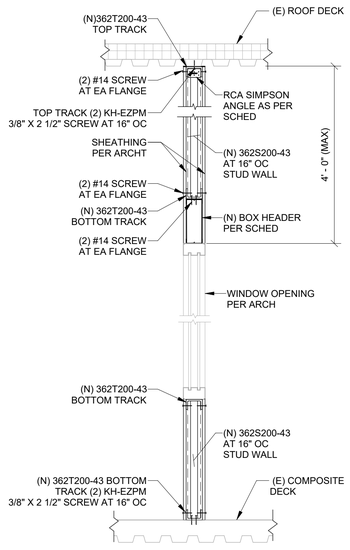
1. SEE THE GENERAL NOTES ON SHEETS S1.0 FOR ADDITIONAL INFORMATION.
2. ALL EXISTING FRAMING AND IT'S CONNECTION IS ASSUMED TO BE SAFE AND ITS RESPONSIBILITY LIES SOLELY WITH CLIENT.
3. COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS.
4. WEB STIFFENERS ARE REQUIRED AT INTERIOR SUPPORTS FOR COLD FORMED JOISTS.

3

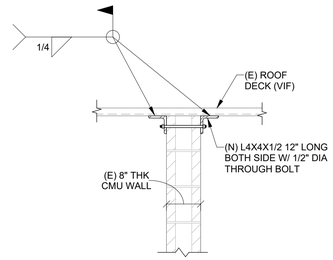


KEY PLAN (FOR ROOF)
1" = 50'-0"

RCA CLIP ANGLE SCHED		
WALL THK	RCA CLIP	NO. OF SCREWS
3 5/8"	RCA223/97	(4) #10

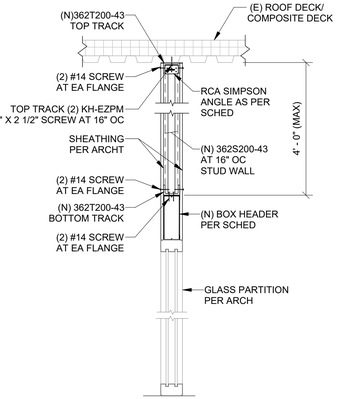


A SECTION FOR (N) CFS WALL CONN. TO (E) ROOF DECK
3/4" = 1'-0"

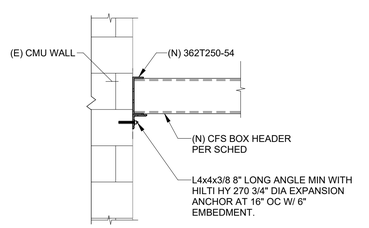


2 (E) CMU WALL TO (E) DECK BRACING DETAIL
3/4" = 1'-0"

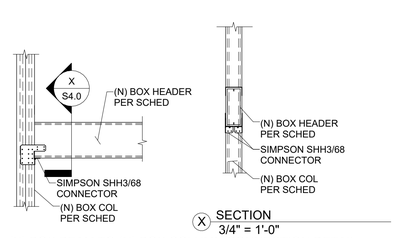
RCA CLIP ANGLE SCHED		
WALL THK	RCA CLIP	NO. OF SCREWS
3 5/8"	RCA223/97	(4) #10



3 TYPICAL (N) CFS WALL CONN. TO (E) ROOF/ COMPOSITE DECK
3/4" = 1'-0"

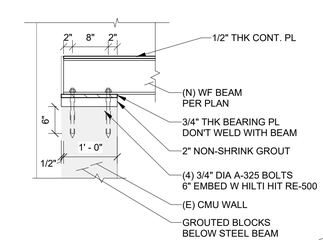


4 (N) CFS BOX HEADER TO (E) WALL CONNECTION DETAIL
3/4" = 1'-0"

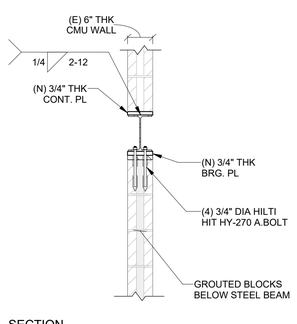


5 (N) BOX BEAM TO (N) BOX COLUMN CONNECTION DETAIL
3/4" = 1'-0"

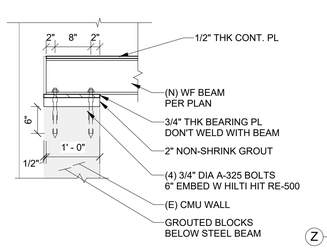
X SECTION
3/4" = 1'-0"



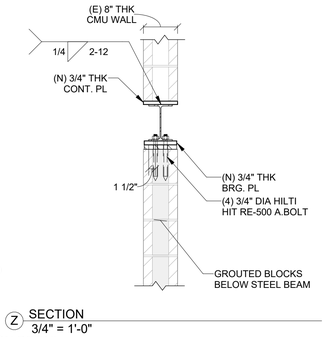
6 (N) BOX COL ON (E) SOG/DECK CONN. DETAIL
3/4" = 1'-0"



Y SECTION
3/4" = 1'-0"



7 (N) CFS BOX COL TO (E) SOG/DECK CONNECTION DETAIL
3/4" = 1'-0"



Z SECTION
3/4" = 1'-0"

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R2	05/01/2026	REVISION	
R3	05/28/2026	REVISION	

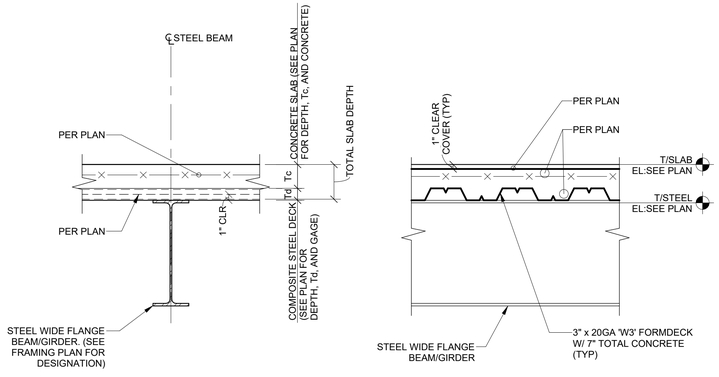
Drawing:
PARTIAL PLAN FOR PROPOSED ROOF FRAMING AND DETAILS

Project Number:	Responsible Party:	Reviewed By:
25170	SEVA	SNP

Scale: As indicated

Drawing Number:

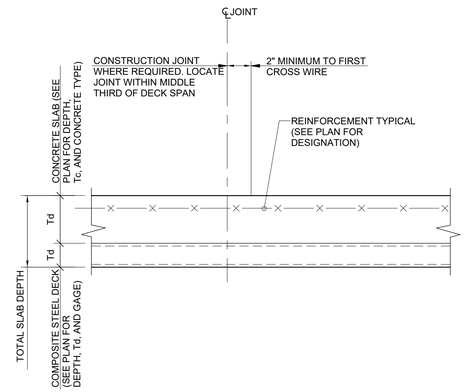
S4.0



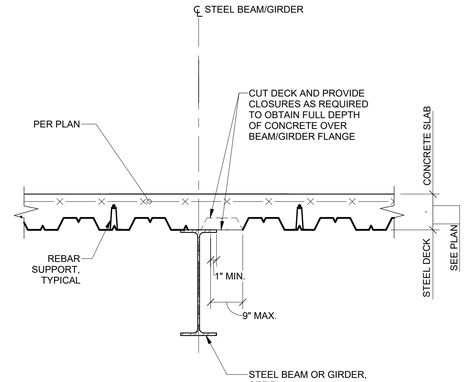
BEAM SECTION

BEAM ELEVATION

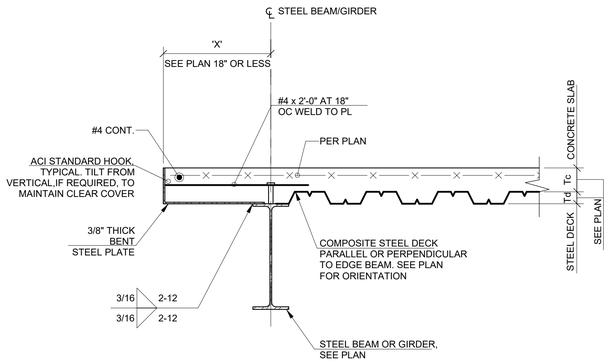
1 TYPICAL STEEL BEAM/GIRDER SECTION AND ELEVATION AT METAL CONC DECK
1" = 1'-0"



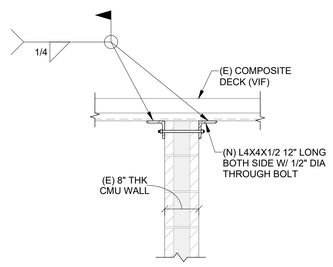
2 TYPICAL METAL CONCRETE DECK SLAB CONSTRUCTION JOINT
1" = 1'-0"



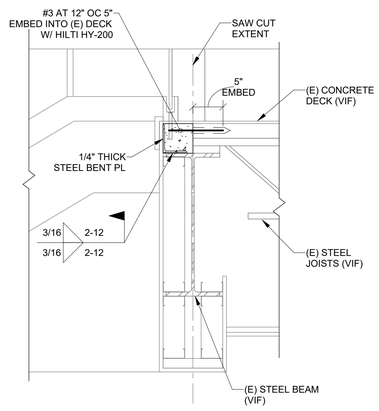
3 TYPICAL SLAB SECTION - STEEL DECK RIBS PARALLEL TO BEAM/GIRDER
1" = 1'-0"



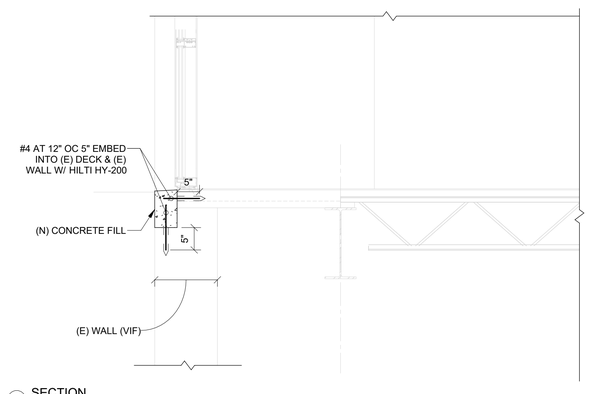
4 TYPICAL SLAB EDGE (1'-6" OR LESS)
1" = 1'-0"



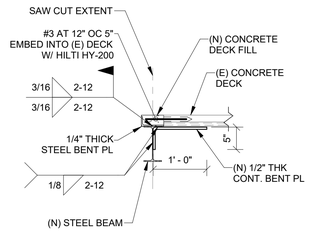
5 (E) CMU WALL TO (E) COMPOSITE DECK BRACING DETAIL
3/4" = 1'-0"



A SECTION
1" = 1'-0"



B SECTION
3/4" = 1'-0"



C SECTION
3/4" = 1'-0"

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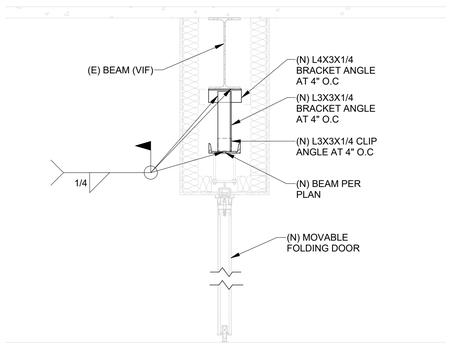
R2	05/01/2026	REVISION	
R3	05/28/2026	REVISION	

Drawing:
TYPICAL METAL CONCRETE DECK CONNECTION DETAILS

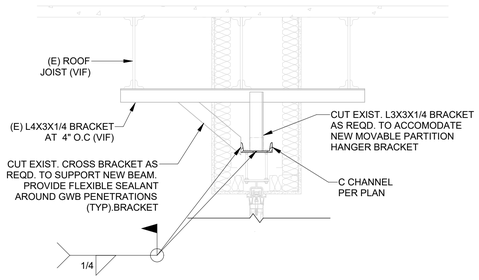
Project Number:	Responsible Party:	Reviewed By:
25170	SEVA	SNP

Scale: As indicated

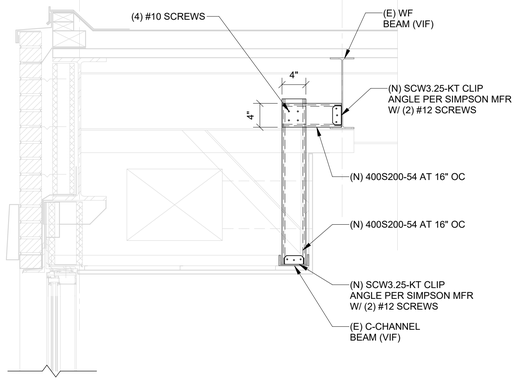
Drawing Number:
S4.1



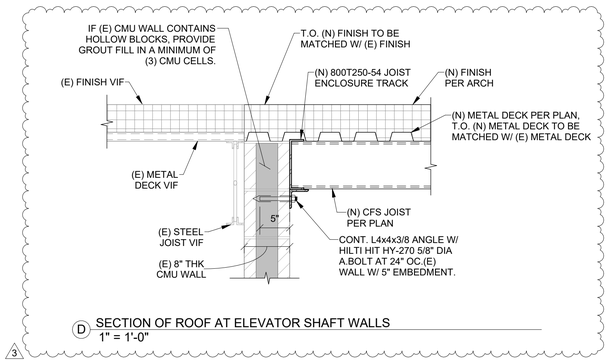
A SECTIOIN AT MOVABLE DOOR SUPPORT DETIAL
3/4" = 1'-0"



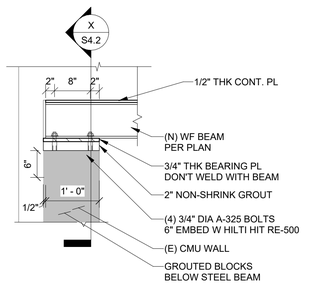
B SECTION AT MOVABLE DOOR SUPPORT DETIAL
3/4" = 1'-0"

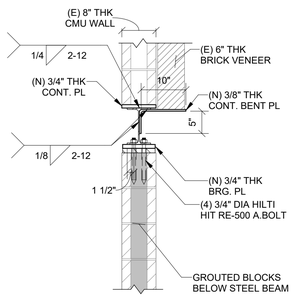


C TYPICAL SECTION OF CFS FRAMING AT SOFFIT LOCATION
1" = 1'-0"



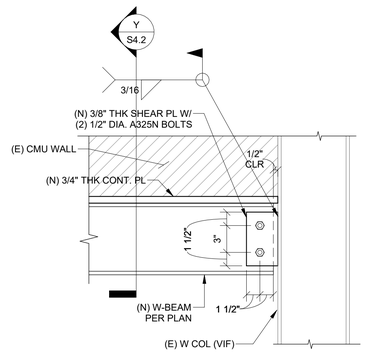
D SECTION OF ROOF AT ELEVATOR SHAFT WALLS
1" = 1'-0"



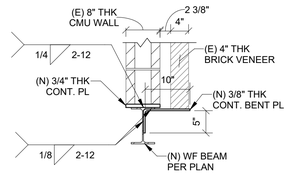


X SECTION
3/4" = 1'-0"

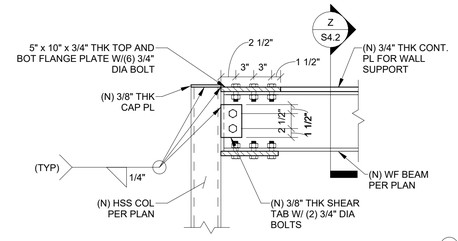
1 TYPICAL (N) WF LINTEL TO (E) WALL CONN DETAIL
3/4" = 1'-0"



2 TYPICAL (N) W-BEAM TO (E) W COL CONNECTION DETAIL
1 1/2" = 1'-0"

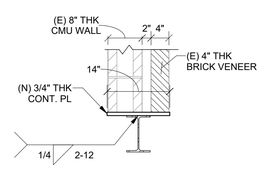


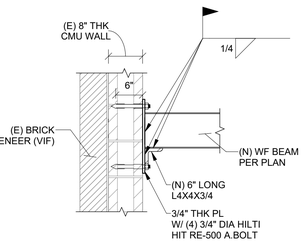
Y SECTION
3/4" = 1'-0"

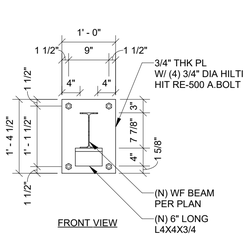


Z SECTION
3/4" = 1'-0"

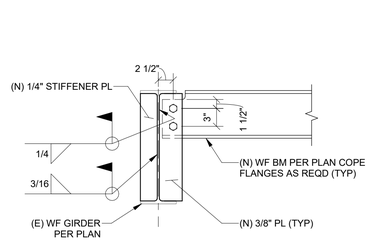
3 TYPICAL (N) HSS COL TO (N) WF BEAM MOMENT CONNECTION DETAIL
1" = 1'-0"





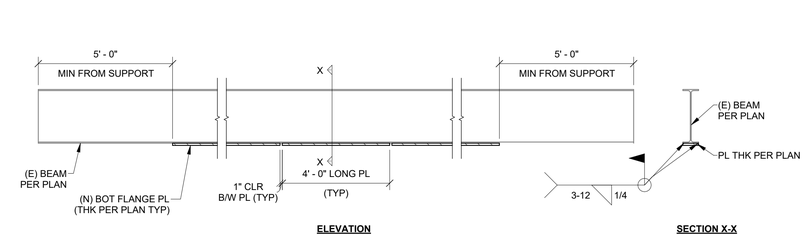


4 TYPICAL (N) WF BEAM TO (E) CMU WALL CONNECTION DETAIL
3/4" = 1'-0"

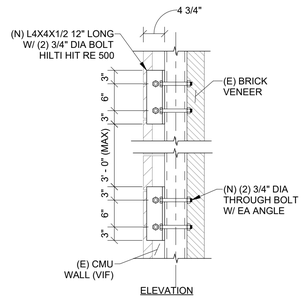


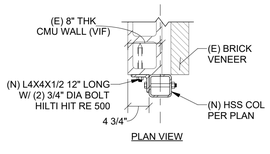
5 TYPICAL (N) WF BEAM TO (E) WF BEAM CONN DETAIL
1" = 1'-0"

BEAM-BEAM CONN SCHED	
SNUG TIGHTENED BOLTS IN BEARING TYPE CONN	
BEAM SIZE	A325 BOLTS
W8	(2) 3/4" DIA
(PROVIDE SC-BOLTS WHERE CALLED ON PLAN OR DETAIL)	



6 (E) WF BEAM STRENGTHENING TYPICAL DETAIL
3/8" = 1'-0"

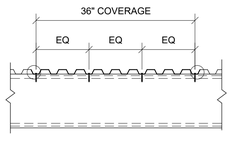




7 (N) HSS COL TO (E) CMU WALL CONNECTION DETAIL
3/4" = 1'-0"

METAL ROOF DECK ATTACHMENT:

1. FASTENERS TO CFS JOISTS (800S250-54 AT 16" O.C.) PER SDI RD-2017:
   - A) SUPPORT SCREWS: #12 SELF-DRILLING SELF-TAPPING, CORROSION PROTECTED,"36/4" PATTERN (MIN. 4 SCREWS PER 36" PANEL WIDTH AT EACH JOIST SUPPORT).
   - B) SIDE-LAP SCREWS: #10 SELF-DRILLING SCREWS, MIN. (4) PER PANEL SPAN,SPACED PER SDI (MAX 36" O.C.).
2. PROVIDE MINIMUM 1.5" BEARING AT SUPPORTS; IF BEARING IS LESS, SUPPLEMENT FASTENING.
3. SIDELAP AND SUPPORT PATTERNS TO COMPLY WITH SDI INSTALLATION STANDARDS — NO SUBSTITUTIONS WITHOUT DESIGN APPROVAL.



3

8 METAL ROOF DECK ATTACHMENT TO CFS JOISTS AND SUPPORT
3/4" = 1'-0"

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REVISIONS

No:	Date:	Description:	
R0	12/23/2025	ISSUED FOR PERMIT	
R1	03/12/2026	REVISION	
R2	05/01/2026	REVISION	
R3	05/28/2026	REVISION	

Drawing:

SECTION AND DETAILS

Project Number:	Responsible Party:	Reviewed By:
25170	SEVA	SNP

Scale: As indicated

Drawing Number:

S4.2

ABBREVIATIONS (ALL MAY NOT APPEAR ON DRAWINGS)

AB	ABOVE
AD	AREA DRAIN OR ACCESS DOOR
AP	ACCESS PANEL
BFP	BACKFLOW PREVENTER
BLW	BELOW
BP	BOOSTER PUMP
BT	BATHTUB
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BALL VALVE
CAP	CAPACITY
CB	CATCH BASIN
CD	CONDENSATE DRAIN
CO	CLEAR OUT
CP	CONDENSATE PUMP
CV	CHECK VALVE
DCW	COLD WATER (DOMESTIC)
DIA	DIAMETER
DFU	DRAINAGE FIXTURE UNIT
DN	DOWN
DW	DISHWASHER
DWP	DOMESTIC WATER PUMP
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FIN	FINISH
FLA	FULL LOAD AMPS
FLR	FLOOR
FS	FLOW SWITCH
FT	FEET
FU	FIXTURE UNITS
G	GAS
GAL	GALLON
GPM	GALLONS PER MINUTE
GND	GROUND
GWH	GAS WATER HEATER
HB	HOSE BIBB
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
DHW	HOT WATER
HWH	HOT WATER HEATER
HWC	HOT WATER CIRCULATION
IN	INCH
IN/WG	INCHES WATER GAUGE
IPS	INTERNATIONAL PIPE STANDARD
KS	KITCHEN SINK
KW	KILOWATT
LAV	LAVATORY SINK
LB	POUND(S)
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MIN	MINIMUM
MISC	MISCELLANEOUS
MH	MANHOLE
MP	MOP RECEPTOR
MU	MAKE-UP WATER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
OI	OIL INTERCEPTOR
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PLMB	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RI	ROUGH-IN
RPM	REVOLUTIONS PER MINUTE
S/SAN	SANITARY
SE	SEWAGE EJECTOR
SEC	SECONDS
SFU	SUPPLY FIXTURE UNIT
SH	SHOWER
SQ	SQUARE
SQFT	SQUARE FEET
SP	SUMP PUMP
SS	SERVICE SINK
TEMP	TEMPERATURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
VEL	VELOCITY
V	VENT
VTR	VENT THRU ROOF
W	WASTE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCO	WALL CLEAN OUT

*NOT ALL SYMBOLS & ABBREVIATIONS MAY BE USED FOR THIS PROJECT.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
	SWING CHECK VALVE
	BALL VALVE - FULL PORT
	PRESSURE REDUCING VALVE
TO FD	RELIEF VALVE
	PUMP - (GENERIC)
	UNION
	BLIND FLANGE OR END CAP
	PIPE BREAK
	PIPE GUIDE
	GAS COCK
M	METER
	TEE CONNECTION - DOWN/UP
	ELBOW CONNECTION - DOWN/UP
	DIRECTION OF FLOW
R/D X"	PITCH OF PIPE RISE (R), DROP (D)
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	VENT
CO	SAN CLEAN OUT (FLOOR)
CO	SAN CLEAN OUT (END OF LINE)
WCO	SAN CLEAN OUT (WALL)
BFP	BACKFLOW PREVENTER
	FLOOR DRAIN - RECTANGULAR OR ROUND
(F)	FUTURE
(N)	NEW
X"	DEGREES
Ø	DIAMETER
X	SHEET NOTE DESIGNATION - NEW WORK
XX / X	EQUIPMENT SYMBOL / EQUIPMENT NUMBER

PLUMBING NOTES

1. COORDINATE AND SCHEDULE ALL WORK TO MEET OVERALL DESIGN OBJECTIVE
2. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED AND ADJUSTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE SHOWN.
3. ALL BRACKETS, PLATES, CHANNELS, ETC. SHALL BE GALVANIZED UNLESS OTHERWISE NOTED
4. ALL GALVANIZED PARTS SHALL BE PAINTED PER SPECIFICATIONS BY PLUMBING CONTRACTOR
5. FOR ALL PIPES AND CONDUITS PASSING THROUGH WALLS OR FLOORS, PROVIDE PIPE SLEEVES.
6. ALL EXPOSED PIPES SHALL BE ARRANGED TO PERMIT ACCESS FOR MAINTENANCE
7. ALL DRAIN AND VENT PIPES SHALL HAVE SLOPE AS FOLLOWS
   A. 2¦" TO LESS - 1/4" PER FOOT
   B. 3 TO 6 INCH - 1/8" PER FOOT
   C. 8" OR LARGER - 1/16" PER FOOT
8. COORDINATE SLOPING OF FLOORS TO FLOOR DRAINS
9. PROVIDE DRAIN VALVE AT ALL LOW POINTS
10. CHANGES IN DIRECTION IN DRAINAGE PIPING SHALL BE WITH APPROPRIATE USE OF 45° WYES, LONG SWEEPS, QUARTER, SIXTH, EIGHTH, OR SIXTEENTH BENDS.
11. PROVIDE CLEANOUT ON DRAIN LINES AS SHOWN ON DRAWINGS AND AS REQUIRED BY CODE.
12. COORDINATE WORK SHOWN ON THESE DRAWINGS WITH OTHER DRAWINGS.
13. ALL NEW PLUMBING FIXTURES SHALL COMPLY WITH 2020 PCNYS.
14. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING, CORE DRILLING AND FINISH PAINTING REQUIRED TO COMPLETE THE WORK, RESTORE TO ORIGINAL CONDITION.
15. PROVIDE AND INSTALL NEW WATER HAMMER ARRESTERS IN ALL BRANCH LINES SERVING FIXTURES WITH QUICK CLOSURE VALVES IN ACCORDANCE WITH STANDARD PDI-WH-201.

PLUMBING DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND DEMOLITION OF EXISTING PLUMBING WORK, PROPOSED TO BE DEMOLISHED, AS DESCRIBED IN THE DRAWINGS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER.
2. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH BUILDING'S PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
3. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
4. ALL PIPING TO BE DEMOLISHED, THAT IS CONNECTED TO BUILDING'S DRAINAGE SYSTEM, SHALL BE REMOVED AS FAR BACK AS POSSIBLE AND CAPPED OFF.
5. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S AND CIVIL ENGINEER'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
6. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY THE OWNER.
7. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
8. ANY EXISTING PIPING NOT INDICATED TO BE REMOVED BUT FOUND TO INTERFERE WITH NEW CONSTRUCTION SHALL BE REPORTED TO ENGINEER PRIOR TO REMOVAL.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2020 PLUMBING CODE OF NEW YORK STATE (PCNYS) AS ADOPTED BY THE STATE OF NEW YORK, AND SHALL ALSO CONFORM TO ALL APPLICABLE LOCAL ORDINANCES AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ).
2. ALL PLUMBING MATERIALS, INSTALLATION PROCEDURES AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. DO NOT SCALE FROM THESE DRAWINGS.
4. CHANGES OR SUBSTITUTIONS OF EQUIPMENT WILL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ENGINEER. ALL COSTS RESULTING FROM THE SELECTION OF EQUIPMENT OTHER THAN SPECIFIED SHALL BE BORNE BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO WORK AFFECTING OTHER CONTRACTORS, THE OWNER, OR REDESIGN ISSUES.
5. ALL CONTRACT WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE WRITTEN SPECIFICATIONS AND ARE CONSIDERED TO BE AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS.
6. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE STATE DEPARTMENT OF HEALTH.
7. PROVIDE CLEAN OUTS AT THE BASE OF ALL SANITARY AND STORM STACKS IN ACCORDANCE WITH THE NEW YORK STATE PLUMBING CODE 2020 PCNYS.
8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH EXISTING CONDITIONS AND ALL OTHER CONTRACTORS IN ESTABLISHING PIPE RUNS AND SPACE CONDITIONS.
9. THE CONTRACTOR SHALL REVIEW THESE PLANS AND SPECIFICATIONS, AS WELL AS THE RELATED HVAC, ELECTRICAL, STRUCTURAL, ARCHITECTURAL INTERIOR DECOR AND SITE ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE FULL PROJECT SCOPE. DURING THE COURSE OF CONSTRUCTION COORDINATION AND ACTUAL CONSTRUCTION, THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS AND TRADES ON THIS PROJECT, TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED INSTALLATION.
10. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND THE RELATED HVAC, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR DECOR AND SITE ENGINEERING DRAWINGS, OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMISSION.
11. RUN ALL DOMESTIC WATER AND SANITARY WASTE AT LOWEST LEVEL, AND SANITARY VENT AS HIGH AS POSSIBLE THROUGHOUT ENTIRE BUILDING. INSTALL LONG RUNS OF PIPING WITHIN STEEL (JOIST) SPACE AND OTHER PIPING TIGHT TO BOTTOM OF STEEL. COORDINATE AND VERIFY WITH OTHER CONTRACTORS SO AS NOT TO INTERFERE WITH DUCTWORK, LIGHTING SYSTEMS, ETC.
12. ALL PIPING, EXCEPT IN MECHANICAL ROOMS SHALL BE ORGANIZED NEATLY AND KEPT TIGHT TO WALLS AND CEILINGS WITH STANDARD CLEARANCE FOR FUTURE FURRING BY GENERAL CONTRACTOR.
13. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT IN LOCATIONS WHICH ARE THE MOST INCONSPICUOUS. VERTICAL DROPS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND THEIR FINAL LOCATIONS SHALL BE COORDINATED AND RUN WITHIN CHASES, WALLS, SOFFITS WITH OTHER MECHANICAL/ELECTRICAL FEEDS. ALL SUCH LOCATIONS ARE TO BE REVIEWED WITH THE ENGINEER PRIOR TO INSTALLATION.
14. ALL PLUMBING FIXTURES/APPLIANCES SHALL HAVE THEIR OWN INDEPENDENT SHUT-OFF VALVES, INSTALLED IN AN EASILY ACCESSIBLE AND OPERABLE POSITION. EACH DOMESTIC WATER BRANCH LINE SHALL HAVE ITS OWN SHUT-OFF VALVE.
15. FURNISH AND INSTALL PIPE SLEEVES PASSING THROUGH INTERIOR WALLS. SLEEVES SHALL BE STEEL PIPE: ASTM A 53, TYPE E, GRADE A, SCHEDULE 40, GALVANIZED, PLAIN ENDS, LENGTH EQUAL TO WIDTH OF WALL.
16. INSULATE ALL HOT WATER, HOT WATER RECIRCULATION, AND COLD WATER PIPING SYSTEMS. INSULATION SHALL BE INSTALLED AS A COMPLETE SYSTEM INCLUDING VALVES, FITTINGS, ETC.
17. ALL PENETRATIONS IN FOUNDATION WALLS AND FLOORS, INCLUDING SLAB PENETRATIONS, SHALL BE SEALED USING NON-SHRINK POLYURETHANE SEALANT OR APPROVED EQUIVALENT TO PREVENT SOIL GAS (RADON) INFILTRATION, IN ACCORDANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE REQUIREMENTS.

GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING
2. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS FOR THE PROPER EXECUTION OF WORK APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THRU THE FACILITIES INSPECTION DIVISION OF THE AUTHORITY
3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
4. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING & PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
6. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS CEILINGS, ETC.. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES
7. WHERE MANUFACTURES' 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 OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
8. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DRAWINGS.
9. THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT SPECIFIED CONTROLLED INSPECTION. FOLLOW ALL THE FOLLOWING BLDG. DEPT PLUMBING NOTES,DEMOLITION NOTES, BLDG DEPT NOTES, NEW WORK NOTES & OTHER PER CONTRACT DOCUMENTS.

MINIMUM PIPING INSULATION THICKNESS FOR SERVICE WATER HEATING SYSTEM

SERVICE HOT-WATER TEMPERATURE RANGE °F	CONDUCTIVITY BTU-IN (H*SQ.FT*°F)	MEAN RATING TEMP (°F)	NOMINAL PIPE/TUBE SIZE (inches)				
			<1"	1" TO <1-1/2"	1-1/2" TO 4"	4" TO <8"	≥ 8"
			INSULATION THICKNESS (inches)				
105°F TO 140°F	0.22 TO 0.28	100	1.0	1.0	1.5	1.5	1.5
> 140°F TO 200°F	0.25 TO 0.29	125	1.0	1.0	2.0	2.0	2.0
> 200°F	0.27 TO 0.30	150	1.5	1.5	2.5	3.0	3.0

PLUMBING ROUGH-IN SCHEDULE

ITEM	DESIGNATION	WASTE	VENT	CW	HW	REMARKS	MANUFACTURER MODEL NO. OR APPROVED EQUAL
WC	WATER CLOSET (ADA COMPLIANT)	4"	2"	1"	–	VITREOUS CHINA, WHITE, AFWALL MILLENNIUM FLOWISE, ELONGATED ONE PIECE WITH MANUAL FLUSH VALVE	WATER CLOSET: AMERICAN STANDARD, MODEL-2257.101 ELONGATED BOWL, TOP SPUD OR APPROVED EQUAL. FLUSH VALVE: 6065111.002 EXPOSED, SENSOR-OPERATED FLUSH VALVE FOR 1-1/2" TOP SPUD FLUSHOMETER BOWLS, 1.1GPF OR APPROVED EQUAL. TOILET SEAT: 5901.100 ELONGATED HEAVY DUTY BOWL OPEN FRONT SEAT LESS COVER OR APPROVED EQUAL
LAV	LAVATORY	2"	2"	1/2"	1/2"	CERAMIC, GLOSSY WHITE,CABINET MOUNTED WITH ONE FAUCET HOLE	MAKE: WS BATH COLLECTION, MODEL: LUXURY 120, OR APPROVED EQUAL. TRAP:WSBC 53922, DRAIN:WSBC 53991 OR APPROVED EQUAL. FAUCET:WS BATH COLLECTION; MODEL: FLOW T1 10 OR APPROVED EQUAL.
UR	URINAL	3"	2"	3/4"		VITREOUS CHINA, WHITE, ULTRA HIGH EFFICIENCY, LOW CONSUMPTION, WASHOUT FLUSH ACTION	URINAL: AMERICAN STANDARD, MAYBROOK UNIVERSAL WASHOUT URINAL, MODEL-6581.001 TOP SPUD OR APPROVED EQUAL. FLUSH VALVE: AMERICAN STANDARD, MODEL: 6063.051.002 EXPOSED. P-TRAP: ZURN; MODEL: Z8700LC-PC OR APPROVED EQUAL.
MS#	MOP SINK	3"	2"	1/2"	1/2"	DIRECT WASTE CONNECTION	MOP SINK: MAKE-MUSTEE MODEL-63M-10"x24"x24", MOLDED HIGH IMPACT RESISTANT DURASTONE, PVC DRAIN WITH SS STRAINER OR APPROVED EQUAL . FAUCET: MODEL-63.600, HEAVY DUTY, CHROME PLATED BRASS DUAL HANDLE SINK FAUCET WITH TOP REINFORCING BAR AND PAIL HOOK OR APPROVED EQUAL HOSE & HOSE HOLDER: MODEL-65.700 HEAVY DUTY ¾" DIA. REINFORCED 31" RUBBER HOSE WITH BRASS COUPLING ON ONE END. SPRING LOADED, MOLDED RUBBER HOSE HOLDER MOUNTS ON STAINLESS STEEL WALL PLATE OR APPROVED EQUAL.
DF	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	-	DIRECT WASTE CONNECTION	MAKE: ELKAY, MODEL: LVRCTL8WSK, NO. OF STATIONS:- 2 WITH ELECTRONIC BOTTLE FILLER- MODEL: LVRCWS, WALL MOUNTED, POWER:- 370 W, 115V-1Ø OR APPROVED EQUAL
SK	SINK	2"	2"	1/2"	1/2"	18 STAINLESS STEEL, 25" X 22" NOMINAL, THREE FAUCET HOLE WITH ONCE ACCESSORY HOLE TO THE RIGHT	MAKE: KOHLER, SINK MODEL: K-3822-4, TOP-MOUNT OR UNDER-MOUNT OR APPROVED EQUAL. P-TRAP, MAKE: PROFLO, PTRAP MODEL: PF361BN OR APPROVED EQUAL FAUCET, MAKE: KOHLER, FAUCET MODEL: K-30612 OR APPROVED EQUAL

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REVISIONS

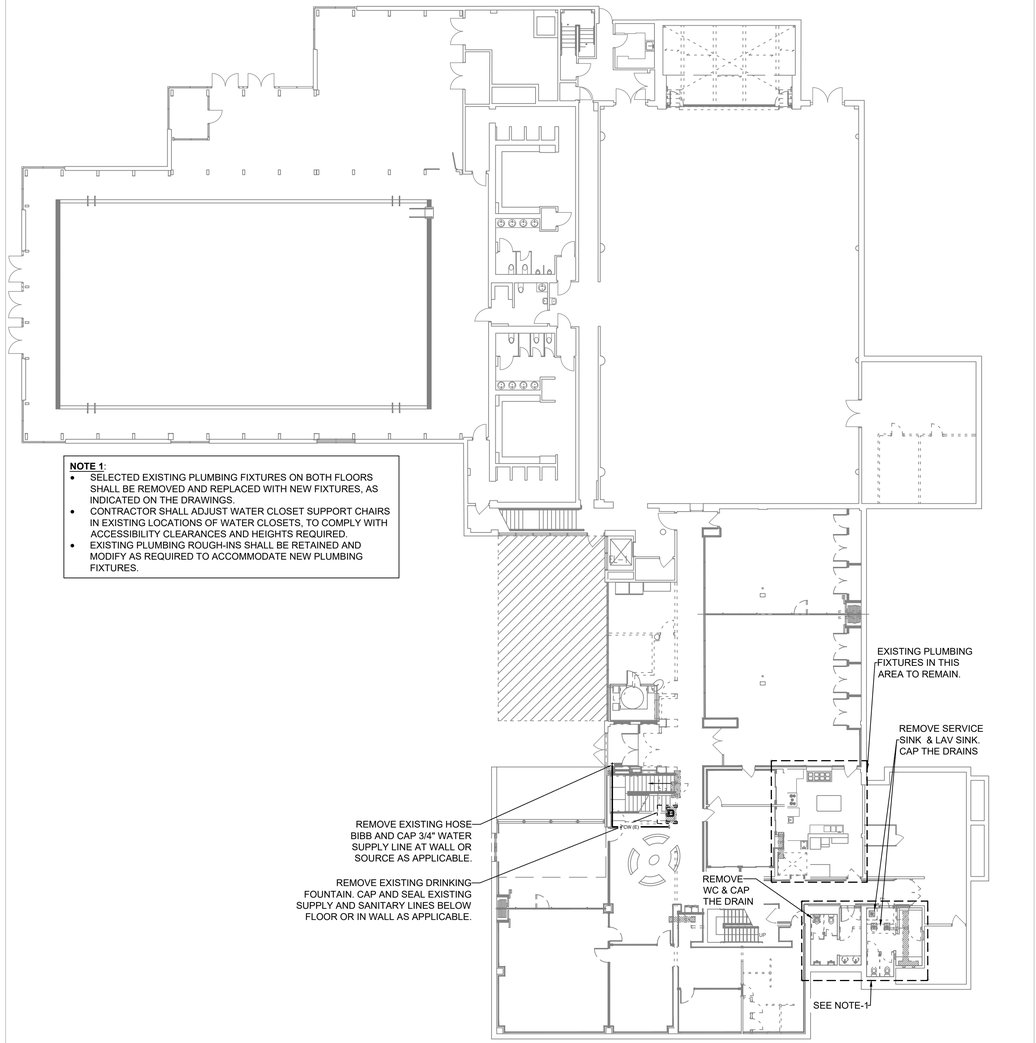
No:	Date:	Description:	
	12-23-2025	ISSUES FOR PERMIT	

Drawing:
PLUMBING COVER SHEET AND SCHEDULE

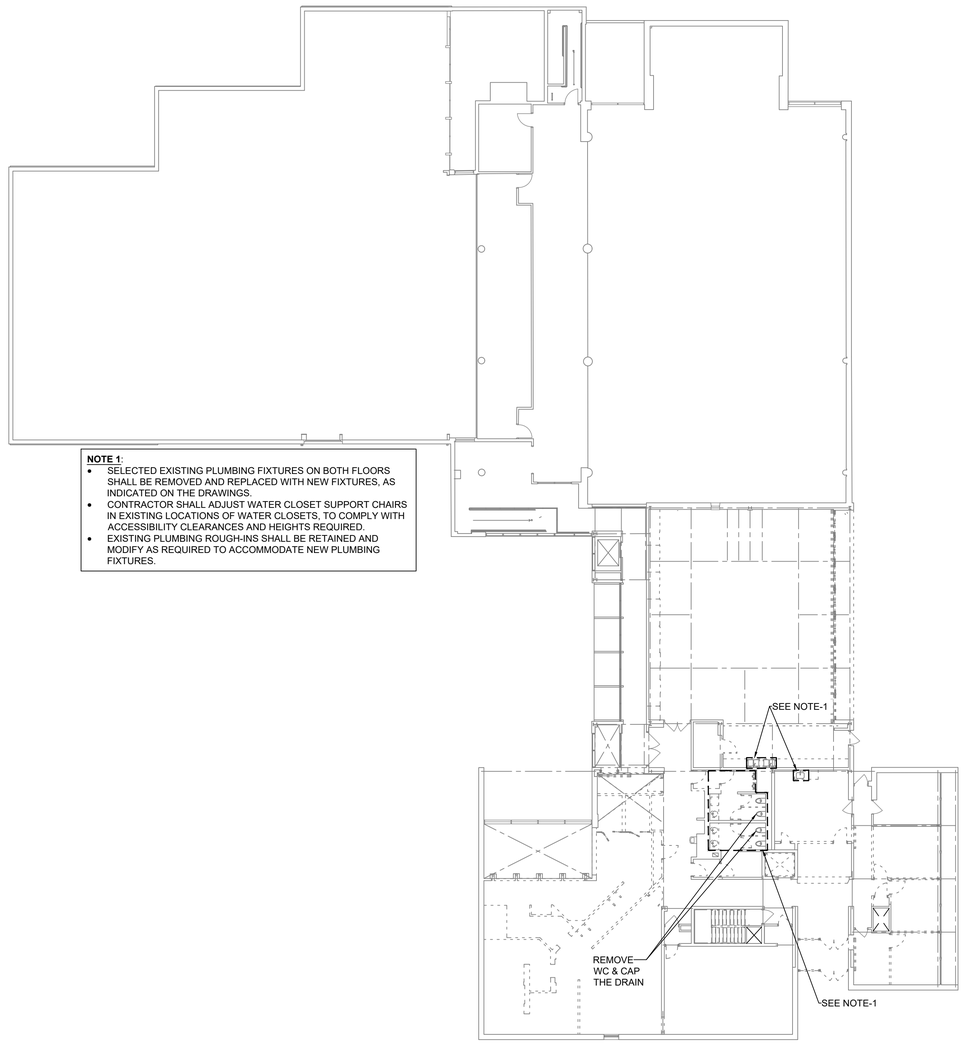
Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale: AS SPECIFIED

Drawing Number:
P-001



1 P-100 FIRST FLOOR DEMO PLAN
SCALE: 1/16"=1'0"



2 P-100 SECOND FLOOR DEMO PLAN
SCALE: 1/16"=1'0"

PLUMBING DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND DEMOLITION OF EXISTING PLUMBING WORK, PROPOSED TO BE DEMOLISHED, AS DESCRIBED IN THE DRAWINGS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER.
2. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH BUILDING'S PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
3. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
4. ALL PIPING TO BE DEMOLISHED, THAT IS CONNECTED TO BUILDING'S DRAINAGE SYSTEM, SHALL BE REMOVED AS FAR BACK AS POSSIBLE AND CAPPED OFF.
5. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S AND CIVIL ENGINEER'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
6. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR, AS DIRECTED BY THE OWNER.
7. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
8. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A DUST PROOF CONSTRUCTION BARRIER SEPARATING DEMOLITION AREAS FROM BUILDING AREAS OUTSIDE THE PROJECT SCOPE

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REVISIONS

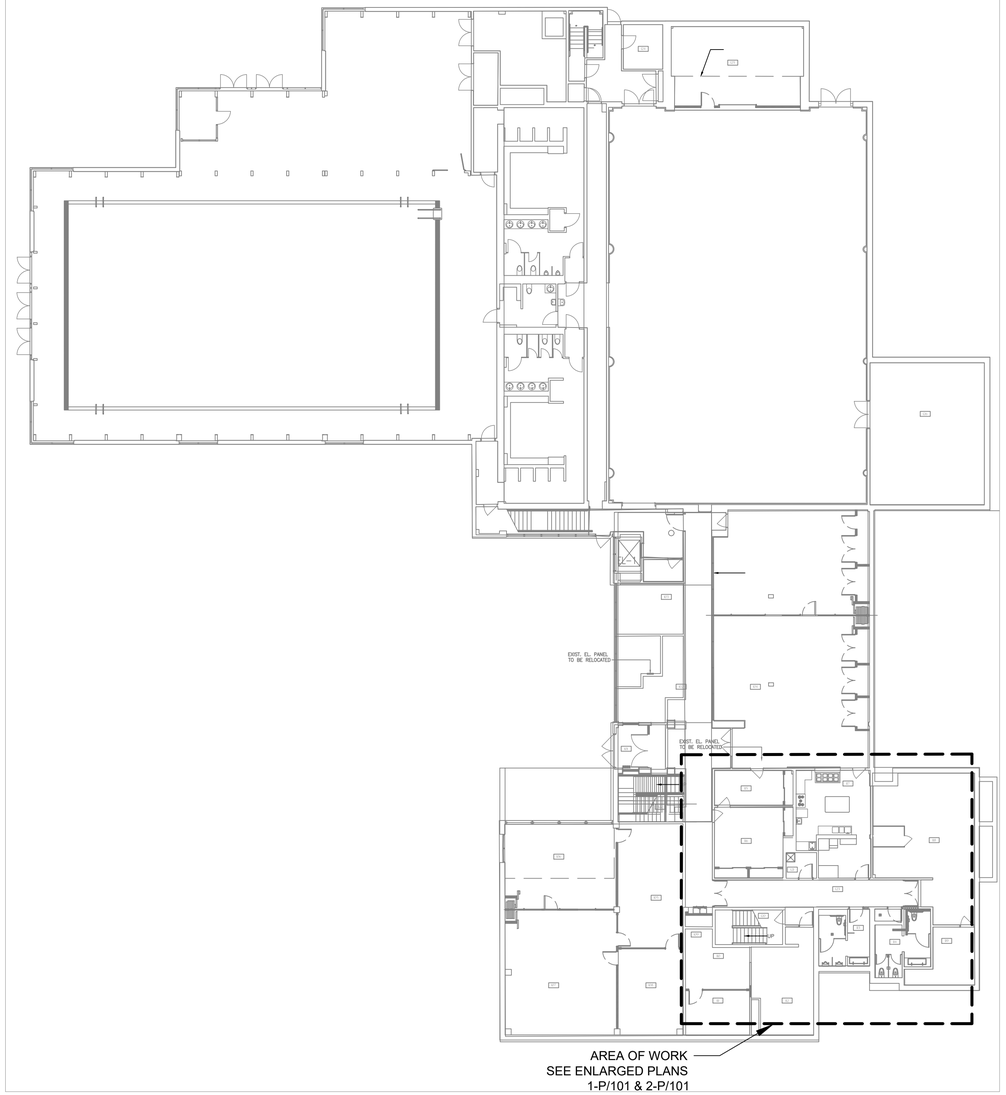
No:	Date:	Description:	
	12-23-2025	ISSUES FOR PERMIT	

Drawing:
FIRST & SECOND FLOOR DEMOLITION PLANS

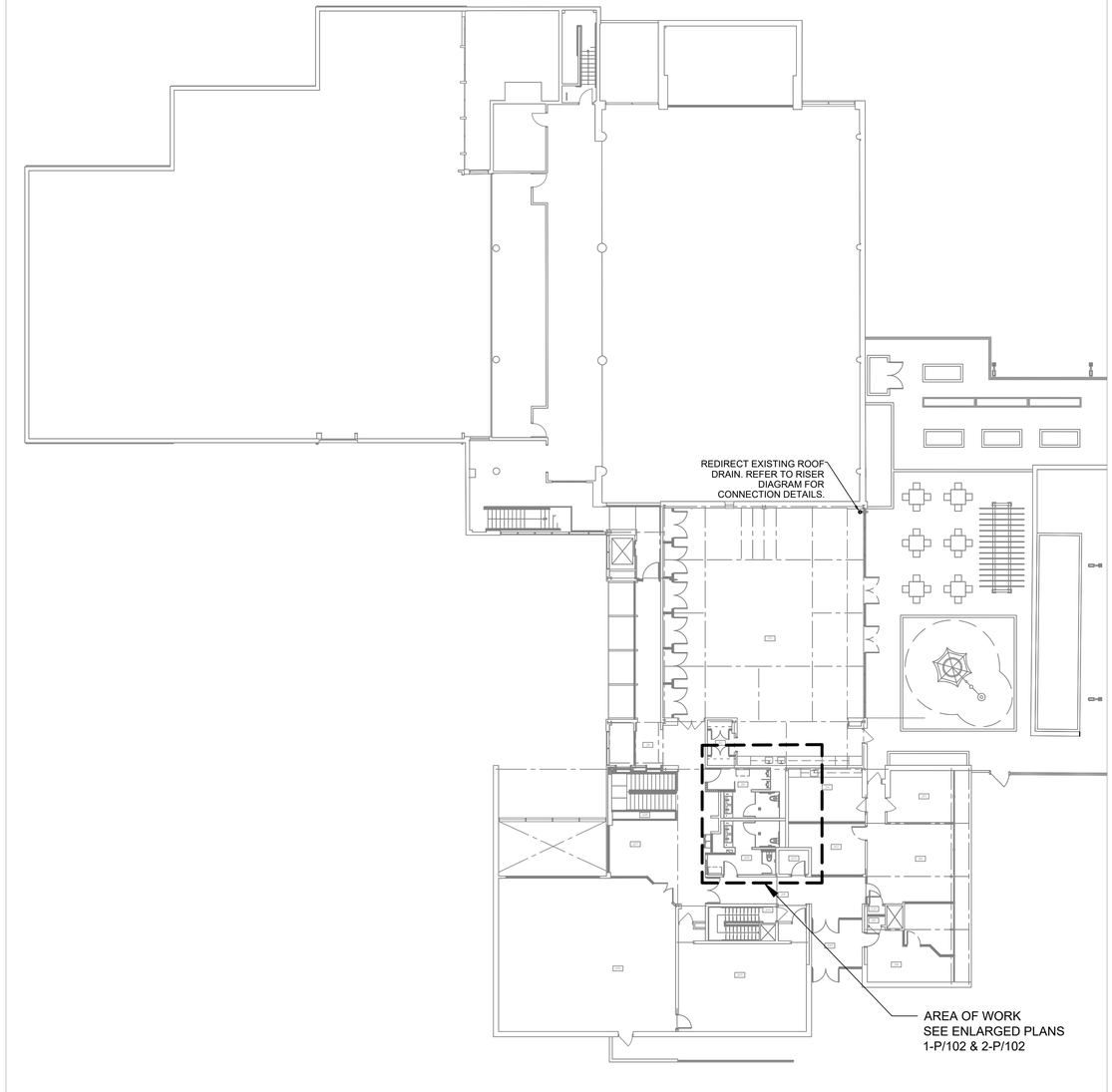
Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale: AS SPECIFIED

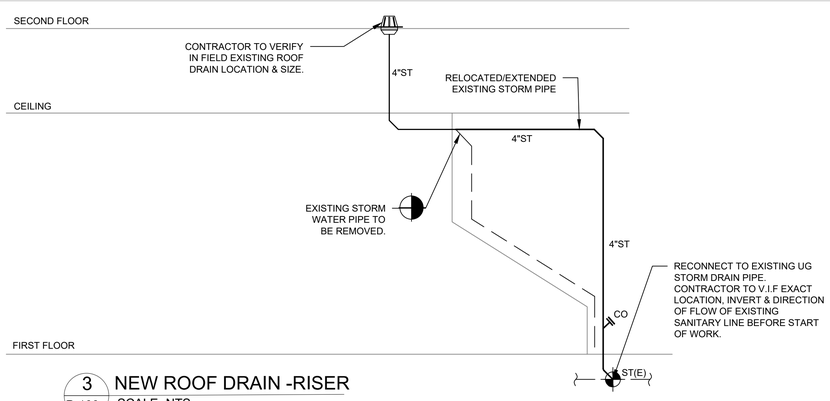
Drawing Number:
P-101



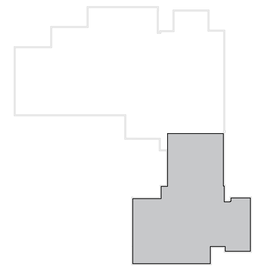
1 P-100 FIRST FLOOR KEY PLAN
SCALE: 1/16"=1'0"



2 P-100 SECOND FLOOR KEY PLAN
SCALE: 1/16"=1'0"



3 P-100 NEW ROOF DRAIN -RISER
SCALE: NTS



0 P-100 KEY PLAN
SCALE: NTS

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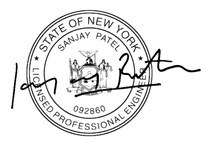


REVISIONS

No:	Date:	Description:	
	12-23-2025	ISSUES FOR PERMIT	

Drawing:
KEY PLANS

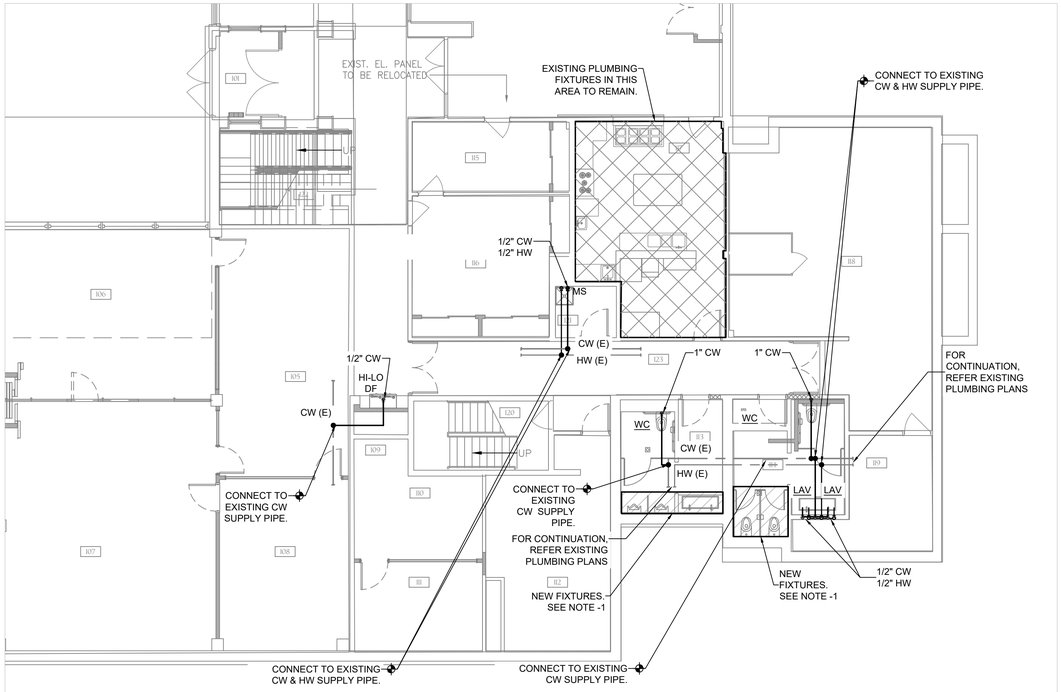
Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale: AS SPECIFIED

Drawing Number:
P-201

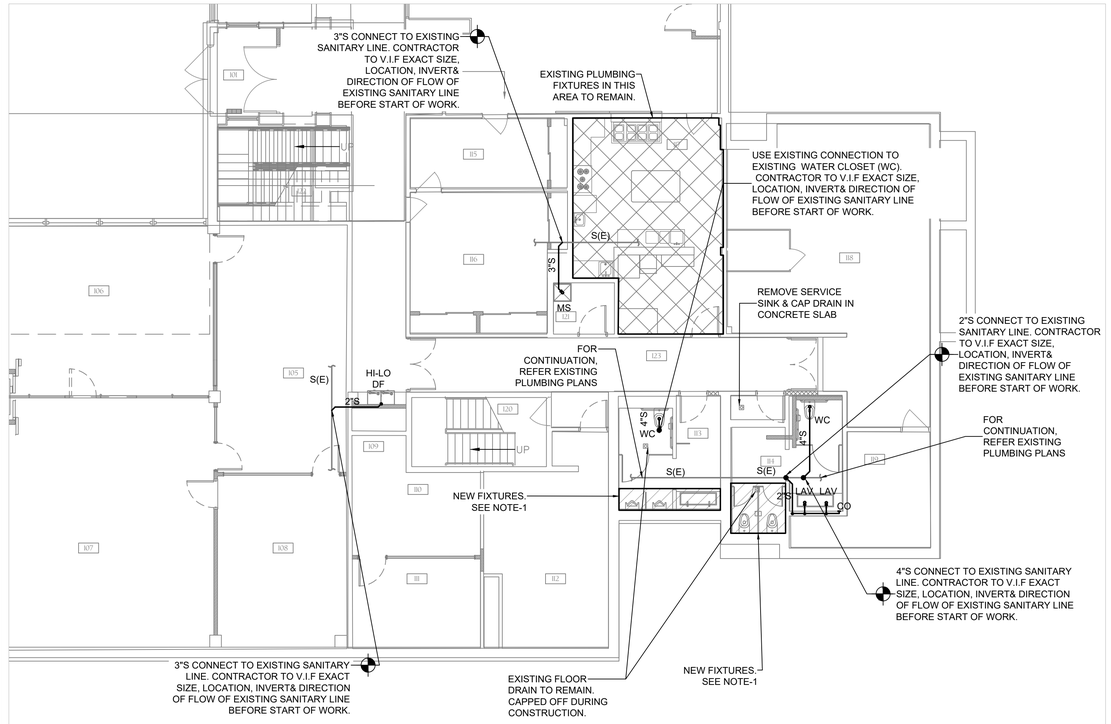
NOTE 1 -

- EXISTING PLUMBING FIXTURES SHALL BE REPLACED WITH NEW FIXTURES.CONNECT SUPPLY & SANITARY TO EXISTING ROUGH-IN.
- CONTRACTOR SHALL ADJUST WATER CLOSET SUPPORT CHAIRS IN EXISTING LOCATIONS OF WATER CLOSETS, TO COMPLY WITH ACCESSIBILITY CLEARANCES AND HEIGHTS REQUIRED.
- PROVIDE NEW ASSE 1017 MIXING VALVE ON LAVATORY/SINK SUPPLY LINE.
- THE CONTRACTOR SHALL MODIFY, ADJUST, OR EXTEND EXISTING SUPPLY AND SANITARY PIPING AS REQUIRED TO PROPERLY CONNECT TO THE NEW PLUMBING FIXTURES. ALL MODIFICATIONS SHALL COMPLY WITH APPLICABLE CODES AND MANUFACTURER'S INSTALLATION REQUIREMENTS



1 P-101 PARTIAL FIRST FLOOR WATER SUPPLY PLAN

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



2 P-101 PARTIAL FIRST FLOOR SANITARY PLAN

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

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Drawing:

FIRST FLOOR SUPPLY & SANITARY PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

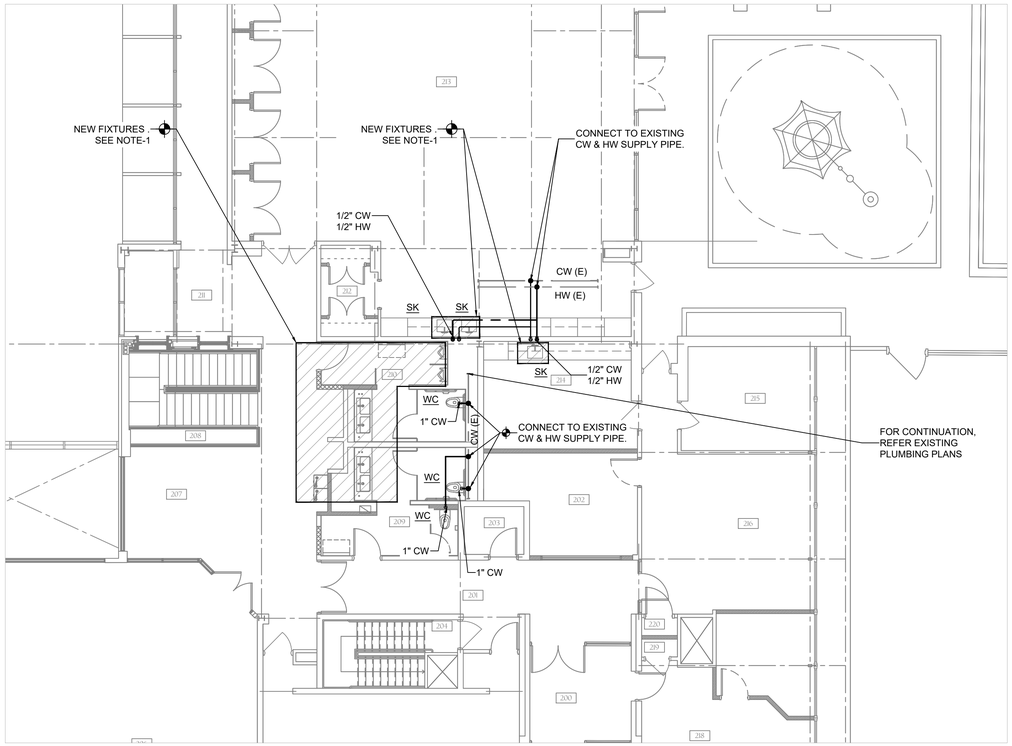
Scale: AS SPECIFIED

Drawing Number:

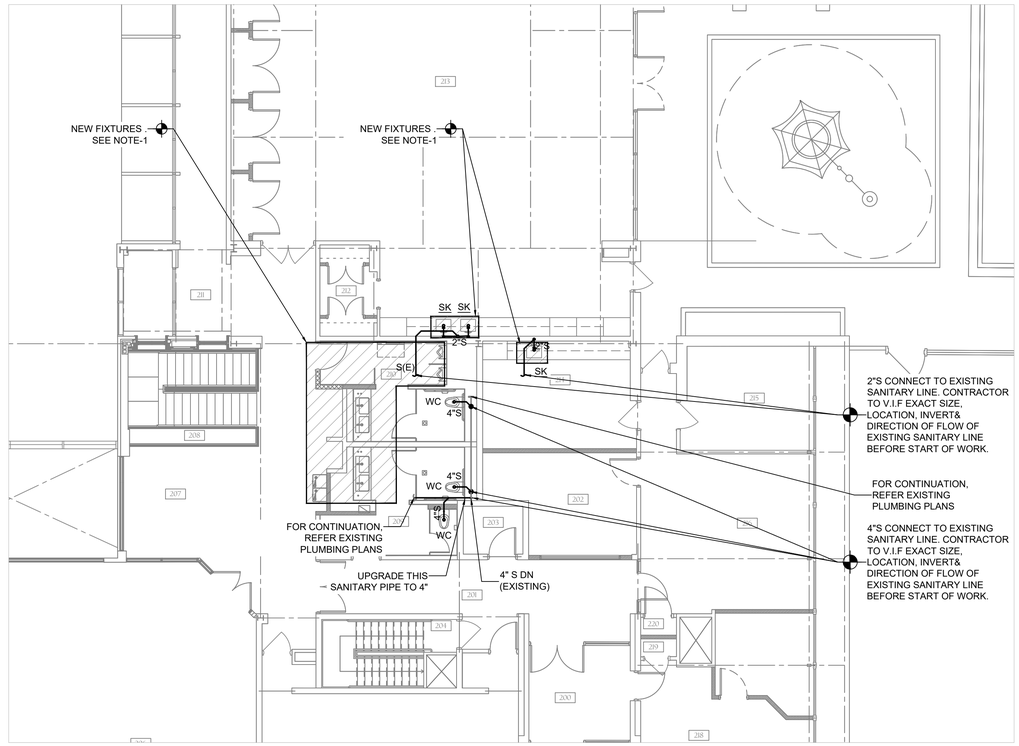
P-202

NOTE 1 -

- EXISTING PLUMBING FIXTURES SHALL BE REPLACED WITH NEW FIXTURES.CONNECT SUPPLY & SANITARY TO EXISTING ROUGH-IN.
- CONTRACTOR SHALL ADJUST WATER CLOSET SUPPORT CHAIRS IN EXISTING LOCATIONS OF WATER CLOSETS, TO COMPLY WITH ACCESSIBILITY CLEARANCES AND HEIGHTS REQUIRED.
- PROVIDE NEW ASSE 1017 MIXING VALVE ON LAVATORY/SINK SUPPLY LINE.
- THE CONTRACTOR SHALL MODIFY, ADJUST, OR EXTEND EXISTING SUPPLY AND SANITARY PIPING AS REQUIRED TO PROPERLY CONNECT TO THE NEW PLUMBING FIXTURES. ALL MODIFICATIONS SHALL COMPLY WITH APPLICABLE CODES AND MANUFACTURER'S INSTALLATION REQUIREMENTS



1 PARTIAL SECOND FLOOR WATER SUPPLY PLAN
P-102 SCALE: 1/8" = 1'-0"



2 PARTIAL SECOND FLOOR SANITARY PLAN
P-102 SCALE: 1/8" = 1'-0"

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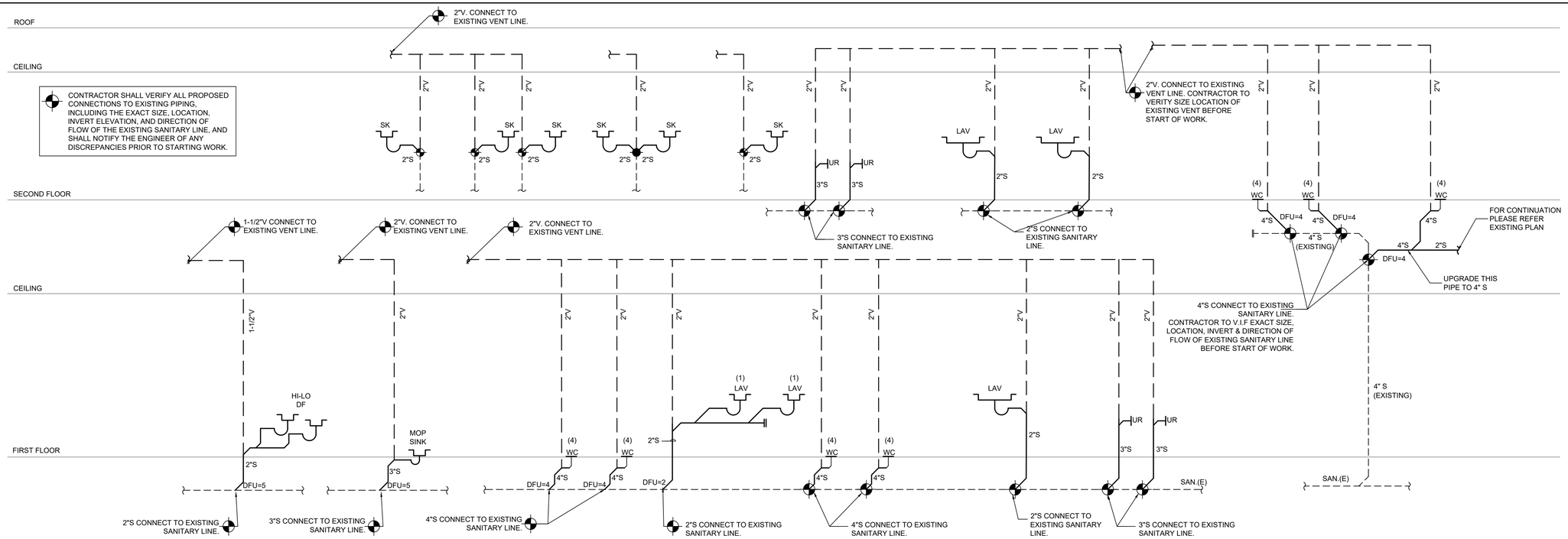
No:	Date:	Description:	
	12-23-2025	ISSUES FOR PERMIT	

Drawing:
SECOND FLOOR SUPPLY & SANITARY PLAN

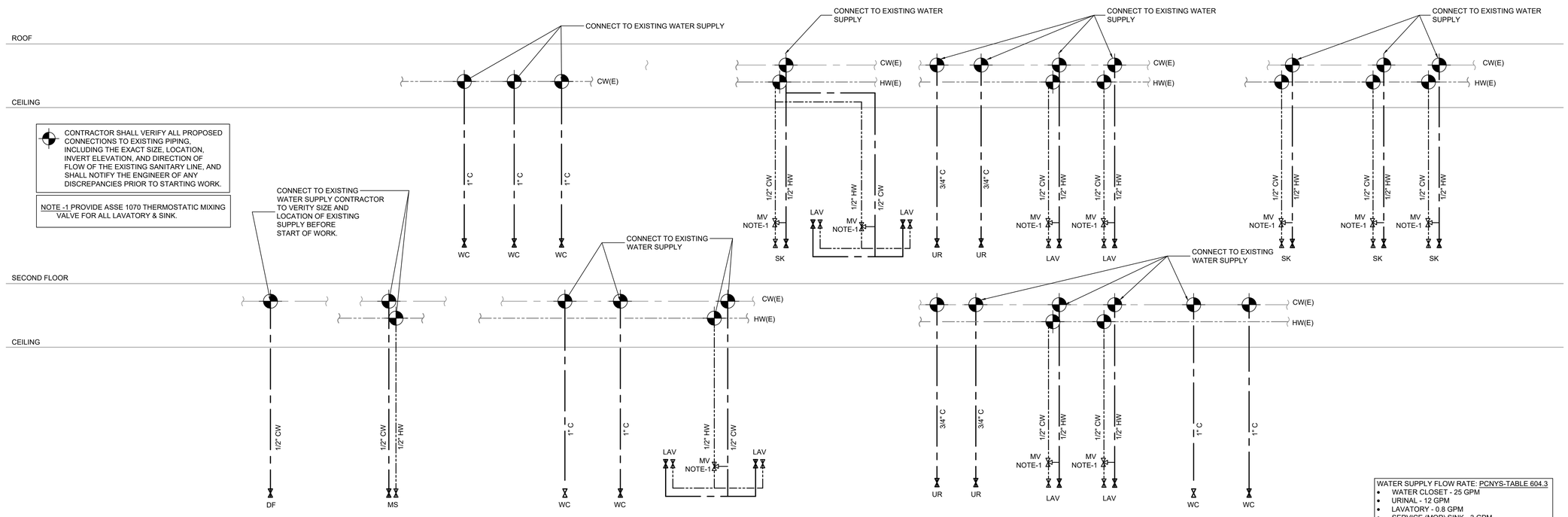
Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale: AS SPECIFIED

Drawing Number:
P-203



1 P-200 PARTIAL-PLUMBING SANITARY RISERS
SCALE: NTS



2 P-200 PARTIAL- WATER SUPPLY RISER
SCALE: NTS

WATER SUPPLY FLOW RATE: PCNYS-TABLE 604.3
- WATER CLOSET - 25 GPM
- URINAL - 12 GPM
- LAVATORY - 0.8 GPM
- SERVICE (MOP) SINK - 3 GPM
- DRINKING FOUNTAIN - 0.75 GPM

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No:	Date:	Description:	
	12-23-2025	ISSUES FOR PERMIT	

Drawing:
PLUMBING RISERS

Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale: AS SPECIFIED

Drawing Number:
P-301

1. SCOPE OF WORK: WORK INCLUDED UNDER THIS SECTION IS SUBJECT TO THE CONTRACT AGREEMENT, GENERAL CONDITIONS, AND CONTRACT DRAWINGS. PROVIDE ALL MATERIAL, LABOR, SUPERVISION, EQUIPMENT AND APPURTENANCES REQUIRED TO COMPLETE WORK AS SPECIFIED ON CONTRACT DRAWINGS, INCLUDING BUT NOT LIMITED TO: * PROVIDE DUCT SYSTEM WITH AIR OUTLETS AND INLETS, DAMPERS, FIRE DAMPERS AND INSULATION. * PROVIDE HVAC EQUIPMENT, INCLUDING BUT NOT LIMITED TO: - ROOFTOP UNITS, EXHAUST FANS, BOILER, PUMPS, PIPING, MAKE-UP AIR UNIT, RADIANT HEAT SYSTEM, CTAS MONITORING SYSTEM * ALL MATERIAL AND WORKMANSHIP SHALL BE OF THE BEST QUALITY AND SHALL BE INSTALLED IN ACCORDANCE WITH THE BEST PERFORMANCE OF THE TRADE.

2. PERMITS AND FEES: THE CONTRACTOR SHALL FILE ALL NECESSARY DRAWINGS, SECURE AND PAY ALL FEES FOR PERMITS, LICENSES, INSPECTIONS AND ROYALTIES WITH FEDERAL, STATE, COUNTY AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THIS WORK AS WELL AS WITH INSURANCE AND LOCAL UTILITY COMPANIES IF THEIR APPROVAL IS REQUIRED. THE CONTRACTOR SHALL DELIVER ALL PERMITS, APPROVALS, AND CERTIFICATES OF INSPECTION FOR HIS WORK TO THE OWNER'S REPRESENTATIVE, WITHOUT ADDITIONAL COST, BEFORE REQUESTING FINAL PAYMENT FOR THE WORK.

3. DRAWINGS, SURVEYS AND MEASUREMENTS: CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THEY DO NOT INDICATE ALL OFFSETS, BENDS, ACCESS PANELS AND SIMILAR ITEMS WHICH MAY BE REQUIRED. THEY ARE NOT TO BE SCALED. THE ARCHITECTURAL DRAWINGS AND DETAILS SHALL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE THEY ARE NOT DEFINITELY LOCATED, THIS INFORMATION SHALL BE OBTAINED FROM THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY CLEARANCE IN SPACES IN WHICH WORK WILL BE INSTALLED, AND TO COORDINATE LOCATION OF ALL DUCTWORK, PIPING, EQUIPMENT AND OTHER MECHANICAL ITEMS TO AVOID INTERFERENCE WITH THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INVESTIGATE STRUCTURAL CONDITIONS, ARCHITECTURAL FINISHES, CEILING HEIGHTS, AND ALL EXISTING CONDITIONS AFFECTING HIS WORK AND PROVIDE ALL NECESSARY OFFSETS, TRANSITIONS, FITTINGS, ACCESS PANELS AND SIMILAR ACCESSORIES THAT MAY BE REQUIRED. MAINTAIN MAXIMUM CLEARANCES.

IF DIRECTED BY OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
UNDER NO CIRCUMSTANCES SHALL THE MECHANICAL WORK OBSTRUCT THE CODE-REQUIRED ACCESS SPACE FOR ELECTRICAL PANELS AND DEVICES.
THE CONTRACTOR SHALL BASE ALL MEASUREMENTS, BOTH HORIZONTAL AND VERTICAL, FROM ESTABLISHED BENCHMARKS. ALL WORK SHALL AGREE WITH THESE ESTABLISHED LINES AND LEVELS. VERIFY ALL MEASUREMENTS AT SITE AND CHECK THE CORRECTNESS OF THESE MEASUREMENTS AS RELATED TO THE WORK.

SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCY BETWEEN ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS THAT PREVENTS FOLLOWING THE CONTRACT DRAWINGS AND SPECIFICATIONS, HE SHALL NOTIFY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH FURTHER WORK.
THE CONTRACTOR SHALL IMMEDIATELY AND BEFORE PROCEEDING WITH THE WORK NOTIFY THE ENGINEER, IN WRITING, IF ANY INCONSISTENCY IS FOUND BETWEEN THE SPECIFICATIONS AND THE DRAWINGS. THE OWNER'S REPRESENTATIVE WILL RESOLVE ALL INCONSISTENCIES AND ADVISE THE CONTRACTOR TO PROCEED WITH THE WORK ACCORDINGLY.
WHERE CONSTRUCTION IN EXISTING FACILITIES IS INVOLVED, THE CONTRACTOR SHALL SURVEY EXISTING FACILITIES TO CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS, WHETHER INDICATED ON THE DRAWINGS OR NOT, BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS IN THE FIELD AND HE SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THESE MEASUREMENTS. THE FINAL LOCATION OF ALL DUCTWORK, PIPING AND EQUIPMENT SHALL BE FIELD VERIFIED BY THE CONTRACTOR TO AVOID ALL INTERFERENCES.
UNLESS SPECIFICALLY OTHERWISE NOTED, THIS CONTRACTOR SHALL DO ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF HIS WORK. ALL PATCHING SHALL MATCH EXISTING ADJACENT SURFACES.
NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF ANY DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS, OR FOR ANY EXISTING CONDITIONS OR OBSTRUCTIONS NOT INDICATED ON DRAWINGS. ANY DIFFERENCES THAT MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK.

4. CUTTING, PATCHING AND PENETRATIONS: THE CONTRACTOR SHALL FURNISH ALL INFORMATION BY DRAWINGS OR IN WRITING, FOR THE SIZE AND LOCATION OF ALL REQUIRED OPENINGS, CHASES OR OTHER PROVISIONS FOR HIS WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT SUCH INFORMATION TO THE OWNER'S REPRESENTATIVE AND THE GENERAL CONTRACTOR IN AMPLE TIME FOR SUCH PROVISIONS TO BE MADE.
CUTTING AND PATCHING IN EXISTING CONSTRUCTION SHALL BE DONE BY THIS CONTRACTOR. ALL PATCHING SHALL BE DONE WITH APPROVED MATERIALS AND SHALL MATCH EXISTING ADJACENT SURFACES.
PIPING AND DUCTWORK PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS SHALL BE SEALED BY THE CONTRACTOR. THE TYPE OF SEAL USED SHALL BE COORDINATED WITH THE TYPE OF CONSTRUCTION BEING PENETRATED, AS SHOWN ON THE ARCHITECTURAL DRAWINGS, I.E. FIRE-RATED, SMOKE-RATED, COMBINATION SMOKE-FIRE RATED, OR NON-RATED PARTITION. CONTRACTOR SHALL PROVIDE FIRE STOPS FOR ALL PIPING AND DUCTWORK PENETRATIONS WITH UL RATED ASSEMBLIES, USING APPLICABLE U.S.G THERMOFIBER SMOKE AND FIRE LIFE SAFETY INSULATION SYSTEMS OR APPROVED EQUAL.

5. MISCELLANEOUS STEEL, SUPPORTS AND ACCESSORIES:
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY LUMBER, STEEL ANGLES, CHANNELS, PLATES, PIPE, RODS, NUT, BOLTS, ETC., AS SHOWN ON PLANS, AS SPECIFIED, OR AS MAY BE REQUIRED FOR A COMPLETE AND PROPERLY SUPPORTED INSTALLATION OF ALL PIPE, DUCTWORK, EQUIPMENT AND FIXTURES. ALL EQUIPMENT PADS INDICATED ON THE DRAWINGS SHALL BE PROVIDED BY THIS CONTRACTOR UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONFIRM EXACT STRUCTURAL REQUIREMENTS FOR THE MOUNTING OF ALL EQUIPMENT, PIPING AND DUCTWORK. ALL MOUNTING AND SUPPORT DETAILS INDICATED ON MECHANICAL DRAWINGS ARE INTENDED TO CONVEY A GENERAL MEANS OF SUPPORT, NOT THE SPECIFIC DETAILS. SUBMIT SHOP DRAWING DETAILS FOR APPROVAL OF MECHANICAL AND STRUCTURAL ENGINEER(S), ALSO SEE SPECIFICATIONS.

6. APPROVALS AND REQUIRED SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT FOR APPROVAL DETAILED SHOP DRAWINGS, COMPLETELY COORDINATED WITH ALL OTHER TRADES, OF ALL EQUIPMENT, MATERIALS, INSTALLATION AND SUPPORT DETAILS REQUIRED. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL FIVE (5) COPIES SHOP DRAWINGS, ENGINEERING DATA AND CATALOG INFORMATION PRIOR TO ORDERING, FOR THE FOLLOWING ITEMS, AND FOR ANY OTHER MECHANICAL EQUIPMENT AND MATERIALS TO BE ORDERED:
* INSULATION
* HANGERS AND SUPPORTS
* THESE SHOP DRAWINGS SHALL INCLUDE PERFORMANCE FOR ROOF TOP UNIT, EXHAUST FAN PLUS THE FOLLOWING CONSTRUCTION OR INSTALLATION DRAWINGS, DIAGRAMS AND DETAILS:
* AUTOMATIC TEMPERATURE CONTROLS, INCLUDING ELECTRIC WIRING DIAGRAMS AND DESCRIPTION OF EACH FUNCTION
* LAYOUTS SHOWING LOCATION AND SIZE OF ALL OPENINGS IN FLOORS, WALLS, ROOFS AND CEILINGS
* PIPING IN AREAS OF CRITICAL CLEARANCE OR WHERE COORDINATION WITH WORK OF OTHER TRADES IS CRITICAL
* DETAILS OF SUPPLEMENTARY STRUCTURAL STEEL SUPPORTS, HANGERS AND EQUIPMENT PADS.
* ETC

SHOP DRAWINGS AND WIRING DIAGRAMS MUST BE SUBMITTED FOR ALL EQUIPMENT BEFORE PURCHASING EVEN IF CONTRACTOR INTENDS TO SUBMIT SPECIFIED EQUIPMENT OR LAYOUTS SHOWN ON DRAWINGS. WHERE SHOP DRAWINGS OR SUBMITTED SPECIFICATIONS DEVIATE SIGNIFICANTLY FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS, THEN POINTS OF DIFFERENCE SHALL BE CLEARLY NOTED. THE CONTRACTOR SHALL MAKE ALL CORRECTIONS REQUIRED FOR SHOP DRAWINGS AND RESUBMIT BEFORE FINAL APPROVAL CAN BE GIVEN. TAG NUMBERS, DRAWINGS AND SPECIFICATION REFERENCES SHALL BE NOTED ON ALL SUBMISSIONS. WHERE MULTIPLE SELECTIONS OR OPTIONS ARE SHOWN ON A SUBMITTAL, THE CONTRACTOR SHALL MARK ALL THOSE THAT APPLY. FAILURE TO COMPLY WITH THESE INSTRUCTIONS WILL BE SUFFICIENT REASON TO RETURN ANY SUBMITTALS TO THE CONTRACTOR WITHOUT APPROVAL.

7. SUBSTITUTIONS: WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE CONTRACT DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN, AND ALL NEW DRAWINGS AND DETAILING REQUIRED, SHALL BE PREPARED BY THE CONTRACTOR AT HIS OWN EXPENSE AND APPROVED BY THE OWNER'S REPRESENTATIVE. ANY AND ALL COSTS OF REVISIONS SHALL BE BORNE BY THE CONTRACTOR.
WHERE SUCH APPROVED SUBSTITUTIONS REQUIRE A DIFFERENT QUANTITY OR ARRANGEMENT OF THE PIPING SYSTEM, WIRING, CONDUIT, OR EQUIPMENT FROM THAT SPECIFIED OR INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUCH PIPING CHANGES, STRUCTURAL SUPPORTS, INSULATION, CONTROLLERS, MOTORS, MOTOR STARTERS, ELECTRICAL WIRING AND CONDUIT, AND ANY OTHER EQUIPMENT OR APPURTENANCES REQUIRED BY THE SYSTEM, AT NO ADDITIONAL COST TO THE OWNER.

8. RECORD DRAWINGS: RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SHALL INDICATE IN RED LINE THE ACTUAL INSTALLED LOCATION OF ALL EQUIPMENT, PIPING, VALVES, ACCESS DOORS AND ALL TAGGED ITEMS. UPON COMPLETION OF THE MECHANICAL INSTALLATION, THE CONTRACTOR SHALL CAREFULLY TRANSFER THE AS-BUILT DATA TO NEW, CLEAN PRINTS OF THE MECHANICAL DRAWINGS. ALL CONCEALED AND BURIED WORK SHALL BE LOCATED BY DIMENSIONS AND THE RESULTING DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL AS PART OF THE FINAL ACCEPTANCE OF THE INSTALLATION.

9. MECHANICAL REFERENCE SYMBOLS: STANDARD GRAPHIC SYMBOLS ARE IN ACCORDANCE WITH ASHRAE 2001 FUNDAMENTALS HANDBOOK - CHAPTER 36, UNLESS NOTED OTHERWISE ON CONTRACT DRAWINGS.

10. CODES, LAWS AND ORDINANCES: ALL WORK PERFORMED UNDER THIS SECTION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER THIS WORK. ANY OWNER'S INSURANCE COMPANY RECOMMENDATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK IS HEREBY INCORPORATED INTO AND MADE PART OF THIS SPECIFICATION. ALL MATERIAL AND EQUIPMENT FOR THE ELECTRICAL PORTIONS OF THE MECHANICAL SYSTEMS SHALL BEAR THE APPROVAL LABEL OR SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES (UL). EVERY SAFETY PROVISION SHALL BE OBSERVED AS REQUIRED BY APPLICABLE BUILDING, LABOR AND HEALTH CODES, ORDINANCES, RULES AND REGULATIONS, AS WELL AS BY OSHA STANDARDS, WHICHEVER IS MOST STRINGENT.
CONTRACTOR SHALL COMPLY WITH ALL LOCAL UTILITY COMPANY'S REQUIREMENTS AS WELL AS ANY SPECIFIC OWNER'S REGULATIONS RELATING TO THIS WORK. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS AND OSHA REQUIREMENTS. THE BIDDERS SHALL INFORM THE ENGINEER OF ALL DISCREPANCIES THAT HE OBSERVES BETWEEN THESE CODES, LAWS, ORDINANCES AND REGULATIONS AND THE SPECIFICATIONS AND DRAWINGS PERTAINING TO THIS WORK, IN WRITING, IN HIS BID. THE BIDDER SHALL INCLUDE IN HIS BID PRICE ANY LABOR, MATERIALS, SERVICES, APPARATUS OR DRAWINGS NECESSARY TO COMPLY WITH THESE CODES, LAWS, ORDINANCES, AND REGULATIONS IF HEREIN SPECIFIED OR SHOWN.

11. COORDINATION WITH OTHER TRADES: THE CONTRACTOR SHALL GIVE FULL COOPERATION TO OTHER TRADES AND SHALL FURNISH ANY INFORMATION NECESSARY TO PERMIT THE WORK OF ALL TRADES TO BE INSTALLED SATISFACTORILY AND WITH THE LEAST POSSIBLE INTERFERENCE OR DELAY. WHERE THE WORK OF THIS CONTRACTOR WILL BE INSTALLED CLOSE TO OR WILL INTERFERE WITH THE WORK OF OTHER TRADES, HE SHALL ASSIST IN WORKING OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL PREPARE COMPOSITE WORKING DRAWINGS, PLANS AND SECTIONS, AT A SUITABLE SCALE NOT LESS THAN 1/4" = 1'-0", CLEARLY SHOWING HOW HIS WORK IS TO BE INSTALLED IN RELATION TO THE WORK OF OTHER TRADES. IF THE CONTRACTOR INSTALLS HIS WORK BEFORE COORDINATING WITH OTHER TRADES, HE SHALL MAKE THE NECESSARY CHANGES IN HIS WORK TO CORRECT THE CONDITION WITHOUT EXTRA CHARGE. THE CONTRACTOR SHALL FURNISH TO THE OTHER TRADES, AS REQUIRED, ALL NECESSARY TEMPLATES, PATTERNS, SETTING PLANS AND SHOP DETAILS FOR THE PROPER INSTALLATION OF THE WORK AND FOR THE PURPOSE OF COORDINATING ADJACENT WORK. ALL WORK SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT TO AVOID UNDUE DISRUPTION TO THE OCCUPANCY AND OPERATION OF THE EXISTING FACILITIES. ANY DISRUPTION OR INTERRUPTION OF PRIMARY SERVICES SHALL BE PERFORMED ONLY AT TIME AS DIRECTED AND APPROVED BY THE ARCHITECT.

12. ACCESSIBILITY: CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUFFICIENCY OF THE SIZE OF SHAFTS AND CHASES, AND THE ADEQUATE CLEARANCE IN DOUBLE PARTITIONS AND HUNG CEILINGS FOR THE PROPER INSTALLATION OF HIS WORK. HE SHALL COOPERATE WITH THE GENERAL CONTRACTOR AND ALL OTHER CONTRACTORS WHOSE WORK IS IN THE SAME SPACE, AND SHALL ADVISE THE GENERAL CONTRACTOR OF HIS REQUIREMENTS. SUCH SPACES AND CLEARANCES SHALL, HOWEVER, BE KEPT TO THE MINIMUM SIZE REQUIRED. CONTRACTOR SHALL LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS, SUCH EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, TRAPS, CLEAN-OUTS, FILTERS, MOTORS, CONTROLLERS, SWITCHGEAR AND DRAIN POINTS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY, AND ANY CHANGE SHALL BE APPROVED.

13. DEMOLITION AND SALVAGE: THE CONTRACTOR SHALL IDENTIFY THE EQUIPMENT AND PIPING TO BE REMOVED AND MARK THEM ACCORDINGLY. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ONLY THE EQUIPMENT, MATERIALS, FIXTURES AND CONNECTIONS NO LONGER REQUIRED AS SHOWN ON THE DRAWINGS. ALL PIPING TO BE REMOVED SHALL BE CAPPED OFF EITHER IN WALLS OR ABOVE THE CEILING AS MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF THE WORK, UNLESS OTHER INDICATED OR DIRECTED, ALL MATERIALS AND EQUIPMENT REMOVED SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE IMMEDIATELY REMOVED FORM THE PREMISES.

14. PROTECTION OF WORK: THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE ALL OF HIS WORK, MATERIAL AND EQUIPMENT FROM DAMAGE DURING THE CONSTRUCTION PERIOD. ALL OPENINGS INTO ANY PIPING, DUCTWORK OR EQUIPMENT SHALL BE SECURELY CLOSED AND SEALED TO PREVENT ANY OBJECTS, DEBRIS OR RAIN FROM ENTERING. ALL INSULATION MATERIAL SHALL BE KEPT DRY AT ALL TIMES. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE THAT IS DUE TO FAILURE TO PROPERLY PROTECT PIPE, DUCT AND EQUIPMENT OPENINGS DURING CONSTRUCTION AND THE GUARANTEE PERIOD.

15. CLEANUP: AFTER COMPLETION OF WORK, AND PERIODICALLY DURING CONSTRUCTION, THE CONTRACTOR SHALL CLEAN ALL AREAS OF DEBRIS AND RUBBISH, WHICH HAVE BEEN LEFT BY HIMSELF OR HIS SUBCONTRACTORS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE WATER PRESENT IN ANY AREA, DUE TO LEAKING FITTINGS, BROKEN PIPE, ETC., CAUSED BY DEFECTIVE MATERIALS OR IMPROPER INSTALLATION. INTERNAL AND EXTERNAL AREAS OF ALL EQUIPMENT MUST BE CLEANED OF ALL CONSTRUCTION DUST AND DEBRIS PRIOR TO FINAL INSPECTION. ALL SCRATCHES ON PAINTED SURFACES SHALL BE TOUCHED UP TO MATCH.

16. GENERAL COMPLETION, MATERIALS AND RESPONSIBILITY: ALL MATERIALS, APPARATUS, AND EQUIPMENT REQUIRED FOR THIS WORK, EXCEPT AS EXPRESSLY SPECIFIED OTHERWISE, SHALL BE NEW, OF FIRST CLASS QUALITY, AND SHALL BE FURNISHED, DELIVERED, ERECTED AND CONNECTED AND FINISHED IN EVERY DETAIL, AND SHALL BE SELECTED AND ARRANGED AS TO FIT PROPERLY INTO THE BUILDING SPACES. WHERE NO SPECIFIC KIND OR QUALITY OF MATERIAL IS GIVEN, A FIRST CLASS STANDARD ARTICLE, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE FURNISHED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED ENGLISH SPEAKING SUPERINTENDENT, WHO SHALL BE IN CONSTANT CHARGE OF THE INSTALLATION AND ALL SKILLED WORKMEN, HELPERS AND LABOR REQUIRED TO UNLOAD, TRANSFER, ERECT, CONNECT, ADJUST, START, OPERATE AND TEST EACH ITEM. ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED WITH THE APPROVAL OF THE ARCHITECT, IN ACCORDANCE WITH THE WRITTEN RECOMMENDATIONS OF THE MANUFACTURERS. THIS INCLUDES THE PERFORMANCE OF SUCH TESTS THAT THE MANUFACTURER RECOMMENDS.

17. GUARANTEE AND SERVICE: THE ENTIRE INSTALLATION SHALL BE GUARANTEED AND SERVICED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION BY OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL, DURING THE PERIOD OF THE GUARANTEE, REPLACE OR REPAIR AT HIS OWN EXPENSE, EVERY PIECE OF EQUIPMENT OR MATERIAL THAT IS FOUND TO BE DEFECTIVE. THE REPLACEMENT OR REPAIRS SHALL BE DONE AS SOON AS NOTIFIED. THE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGE TO SURROUNDING WORK CAUSED BY FAILURE, REPAIRS, OR REPLACEMENT OF THE DEFECTIVE EQUIPMENT OR MATERIAL.

18. DEMONSTRATION AND OPERATING INSTRUCTIONS: THE CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF A PORTFOLIO CONTAINING THE COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL SYSTEMS, AS-BUILT DRAWINGS, EQUIPMENT CUTS, MAKE/MODEL OF FITTINGS AND FIXTURES, NAME, ADDRESS AND TELEPHONE NUMBER OF MANUFACTURERS AND THEIR LOCAL SERVICE REPRESENTATIVES, COPIES OF GUARANTEES, AND REPLACEMENT PARTS LISTS. THE CONTRACTOR SHALL FURNISH THE SERVICE OF A COMPETENT PERSON THOROUGHLY FAMILIAR WITH THE OPERATION OF THE INSTALLED SYSTEM TO INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATION, MAINTENANCE, AND CONTROL OF ALL SYSTEMS.

19. BALANCING AND TESTING (SHALL BE BY INDEPENDENT CONTRACTOR)
A. BALANCE, ADJUST AND TEST AIR MOVING EQUIPMENT AND DISTRIBUTION SYSTEMS TO THE QUANTITIES INDICATED ON THE DRAWINGS AND SUBMIT A FULL REPORT.
B. SUPPLY AIR MAIN DUCT, ALL BRANCHES AND ALL SUPPLY AIR DIFFUSERS SHALL BE TESTED AND BALANCED TO THE QUANTITIES INDICATED ON THE DRAWINGS.
C. SUBMIT SIX (6) CERTIFIED COPIES OF EACH COMPLETE TESTING AND ADJUSTMENT REPORT TO THE ENGINEER FOR REVIEW AND SEND TWO (2) COPIES OF THE REPORT TO THE OWNER.
D. CONTRACTOR SHALL NOTIFY ENGINEER 24 HOURS BEFORE TESTING.

HVAC GENERAL NOTES

1. THE ENTIRE INSTALLATION, INCLUDING ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP, SHALL CONFORM TO ALL APPLICABLE LAWS, CODES, AND REGULATIONS OF MUNICIPAL, COUNTY, STATE, AND FEDERAL AUTHORITIES AND IN COMPLIANCE WITH THE LATEST EDITIONS OF THE LIFE SAFETY CODE, LOCAL BUILDING CODE, PLUMBING, HVAC AND HEALTH CODES, AND ALL AMENDMENTS.
2. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO PROVIDE A COMPLETE, FINISHED, TESTED, ADJUSTED, AND OPERATIONAL HVAC SYSTEM. ANY APPARATUS, MATERIAL, WORK, OR INCIDENTAL ITEMS REQUIRED TO MAKE THE SYSTEM COMPLETE AND READY FOR OPERATION SHALL BE INCLUDED IN THE HVAC CONTRACTOR'S PROPOSAL (BID) WHETHER OR NOT IT IS SHOWN ON THE DRAWINGS OR NOTED.
3. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY ARE INTENDED TO CONVEY THE SCOPE OF THE WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT, DUCT SIZING, ETC. THE HVAC CONTRACTOR MUST OBTAIN APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK.
4. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATED HVAC WORK WITH OTHER TRADES SO AS TO PROVIDE THE SYSTEM AS DESCRIBED.
5. THE HVAC CONTRACTOR SHALL PROVIDE THE WORK INDICATED ON THE DRAWINGS AND SPECIFIED HERE IN FOR ALL HVAC WORK. THE WORD "WORK" SHALL MEAN ALL LABOR, TRANSPORTATION, MATERIAL, EQUIPMENT, TOOLS, INSTALLATION, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES OBVIOUSLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE COMPLETE SYSTEMS. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL, MAKE ALL FINAL CONNECTIONS AND LEAVE IN AN APPROVED OPERATING CONDITION.
6. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING WITH REGARD TO THE HVAC WORK: WORKMAN IDENTIFICATION, WORKER'S SAFETY CONTRACTOR'S LIABILITY INSURANCE, SAFETY BARRICADES, WARNING SIGNS AND TRASH REMOVAL
7. THE HVAC CONTRACTOR SHALL PROVIDE ALL RIGGING, HANDLING OF MATERIALS AND EQUIPMENT, AND THE NECESSARY PROTECTION FOR MATERIALS AND EQUIPMENT. TOOLS AND EQUIPMENT WILL ONLY BE STORED IN OWNER DESIGNATED AREAS ONLY.
8. THE HVAC CONTRACTOR SHALL PROVIDE ALL SUPPORTS AND HANGERS FOR ALL EQUIPMENT INSTALLED UNDER THIS WORK.
9. THE HVAC CONTRACTOR SHALL CHECK AND VERIFY ALL SIZES, DIMENSIONS AND CONDITIONS BEFORE STARTING ANY WORK. ANY DEVIATIONS OR PROBLEMS SHALL BE TRANSMITTED TO THE ARCHITECT FOR REVIEW, SHALL BE RESOLVED PRIOR TO FABRICATION AN INSTALLATION OF THE WORK INVOLVED.
10. BIDDERS, PRIOR TO SUBMITTING BIDS,SHALL VISIT THE SITE AND FULLY EXAMINE THE AREAS INVOLVED WITH THIS WORK,TO FAMILIARIZE THEMSELVES WITH THE EXACT CONDITION AND DIFFICULTIES THAT MAY ATTEND THE EXECUTION OF THIS WORK. SUBMISSION OF A BIDS WILL BE CONSTRUCTED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED, FOR EXTRA LABOR, MATERIALS AND EQUIPMENT. REQUIRED BECAUSE OF ADDITIONAL DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
11. ALL WORKS SHALL BE PROPERLY COORDINATED WITH WORK OF OTHER TRADES TO AVOID CONFLICTS.
12. SUBMIT PDF'S OF THE HVAC INSTALLATION SHOP DRAWING, CERTIFIED BY ALL TRADES THAT COORDINATE HAS BEEN ESTABLISHED. SUBMIT PDF'S OF OPERATING AND SERVICE MANUALS WHICH SHALL INCLUDE COPIES OF ALL SHOP DRAWING AND EQUIPMENT CUTS, SERVICE INSTRUCTIONS.
13. A CONTRACTOR MAKING A BID FOR WORK ON THIS PROJECT IS MADE AWARE BY THIS NOTE THAT IT IS THE INTENT OF THE OWNER TO HAVE A COMPLETELY INSTALLED JOB. THE CONTRACTOR MAKING A BID FOR THIS WORK WARRANTS THAT HE WILL COMPLETE AND PROVIDING ALL NECESSARY WORK FOR EQUIPMENT SHOWN AND / OR DETAILED ON ANY PROJECT DRAWINGS OR SPECIFICATIONS AND NOT JUST THOSE COMMONLY REFERRED TO AS A SINGLE TRADE DRAWING UNLESS SPECIFICALLY IDENTIFIED ELSEWHERE AS WORK OF OTHER TRADES.
14. HVAC SHOP DRAWINGS SHALL BE FULLY COORDINATED WITH EXISTING FIELD CONDITION AND WORK OF THE OTHER TRADES AND SHALL BE SO STATED OF OF THE SHOP DRAWINGS.

LEGEND

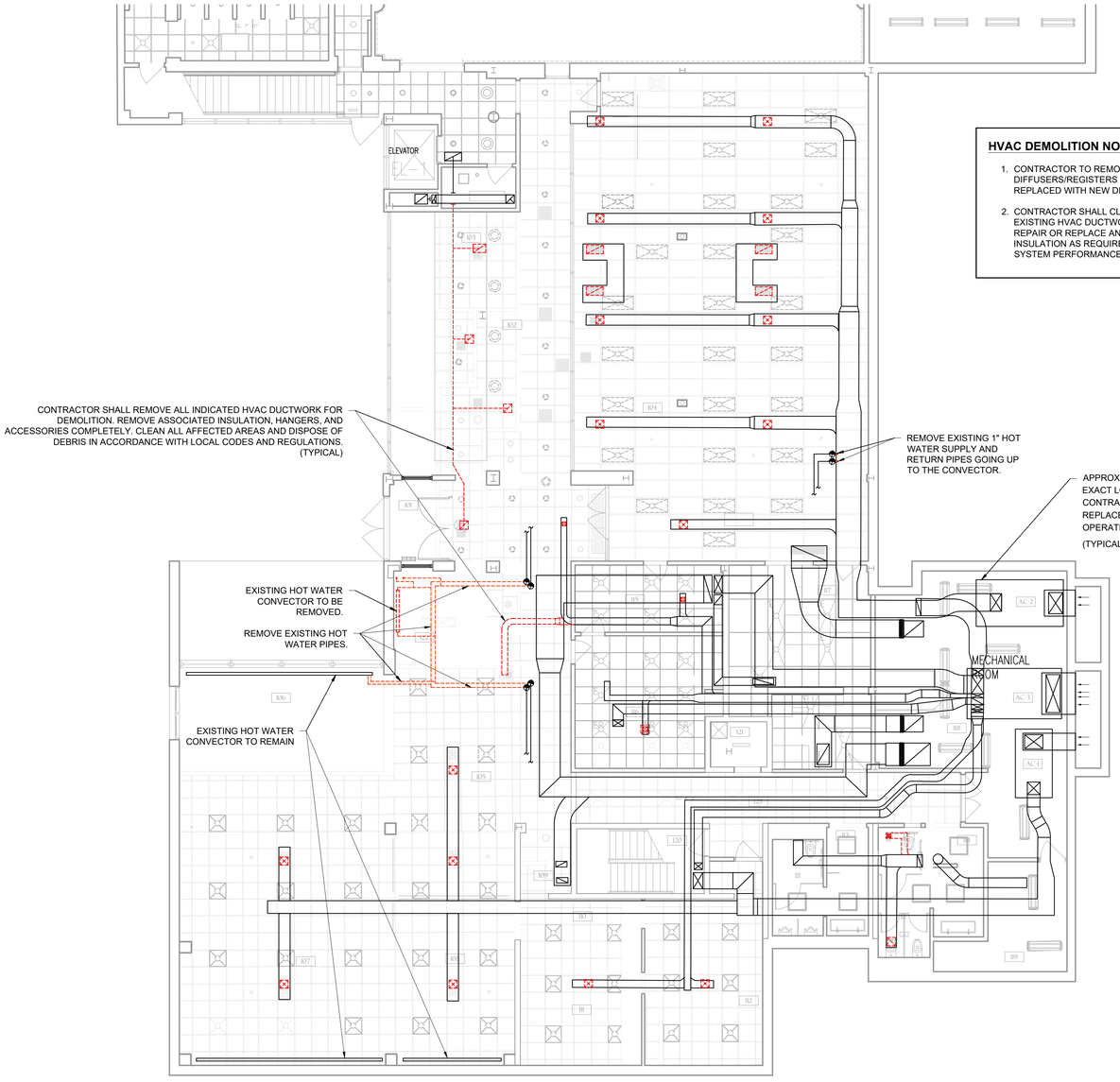
SYMBOL	DESCRIPTION
	NEW 24x24 OR 12x12 SUPPLY DIFFUSER
	NEW 24x24 OR 12X12 RETURN GRILLE
T	NRE T-STAT
S	FAN SWITCH
	NEW RIGID DUCT
	TAKE-OFF WITH VOLUME DAMPER
F.C.	FLEXIBLE CONNECTION
	UNDER CUT DOOR
	VOLUME DAMPER
FSD/AD	FIRE SMOKE DAMPER W/ACCESS DOOR

APPLICABLE CODE

NEW YORK STATE BUILDING CODE - 2020
NEW YORK STATE MECHANICAL CODE - 2020
NEW YORK STATE PLUMBING CODE - 2020
NEW YORK STATE ENERGY CONSERVATION CODE - 2020
NEW YORK STATE FIRE CODE 2020

ABBREVIATIONS

AD	ACCESS DOOR	HO	HAND-OFF
AFF	ABOVE FINISHED FLOOR	H-O-A	HAND-OFF-AUTOMATIC
AHU	AIR HANDLING UNIT	HGR	HOT GLYCOL RETURN
AL	ALUMINUM	HGS	HOT GLYCOL SUPPLY
ATC	AUTOMATIC TEMPERATURE CONTROLS	HP	HORSEPOWER / HEAT PUMP
AUTO	AUTOMATIC	HTG	HEATING
AUX	AUXILLIARY	HTR	HEATER
AV	AUTOMATIC AIR VENT	HV	HEATING AND VENTILATING
BC	BRANCH CIRCUIT	HVAC	HEATING,VENTILATION & AIR CONDITIONING
BDD	BACK DRAFT DAMPER	HZ	HERTZ
BOD	BOTTOM OF DUCT	ID	INSIDE DIAMETER
BOT	BOTTOM	INSUL	INSULATION
BTU	BRITISH THERMAL UNIT	INSTR	INSTRUMENT
BTUH	BRITISH THERMAL UNIT PER HOUR	INV	INVERT
CD	CEILING DIFFUSER	IWG	INCHES WATER GAUGE
CFM	CUBIC FEET PER MINUTE	KW	KILOWATT
CI	CAST IRON	LAT	LEAVING AIR TEMPERATURE
CL	CENTER LINE	LD	LINEAR DIFFUSER
CLG	CEILING	LVG	LEAVING
CLR	CLEAR	LWT	LEAVING WATER TEMPERATURE
CU	COPPER	M	MOTOR
CU FT	CUBIC FEET	MAX	MAXIMUM
CD	CEILING REGISTER	MBH	1000 BTU PER HOUR
D	CONCENTRATE DRAIN	MECH	MECHANICAL
DB	DRY BULB	MFR	MANUFACTURER
DBT	DRY BULB TEMPERATURE	MIN	MINIMUM
dB	DECIBEL	MISC	MISCELLANEOUS
DIA	DIAMETER	MTD	MOUNTED
D

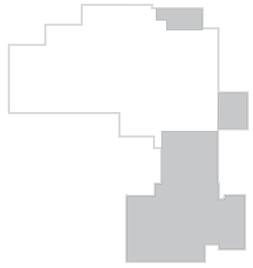


HVAC DEMOLITION NOTE:

1. CONTRACTOR TO REMOVE ALL EXISTING SUPPLY DIFFUSERS/REGISTERS AND RETURN GRILLS AND REPLACED WITH NEW DIFFUSER/GRILLS.
2. CONTRACTOR SHALL CLEAN AND INSPECT ALL EXISTING HVAC DUCTWORK. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED DUCTS AND INSULATION AS REQUIRED TO ENSURE PROPER SYSTEM PERFORMANCE AND OPERATION.

1 M-101 — 1ST FLOOR DEMO/EXISTING HVAC PLAN

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



0 M-101 — KEY PALN

SCALE: 1/64" = 1'-0"

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Drawing:
1ST FLOOR HVAC DEMO PLAN

Project Number:	Responsible Party:	Reviewed By:
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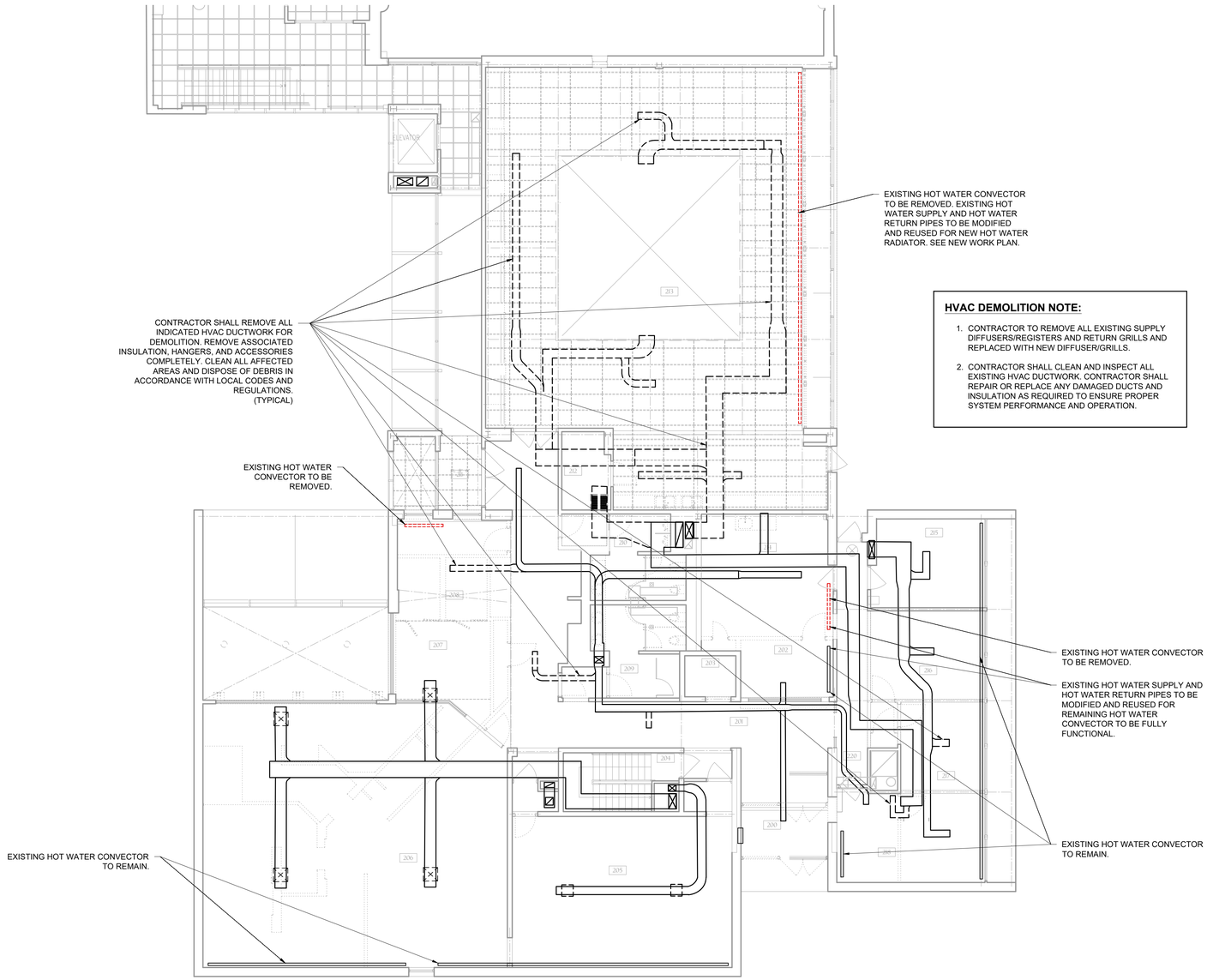
Scale:
AS NOTED

Drawing Number:
M-101



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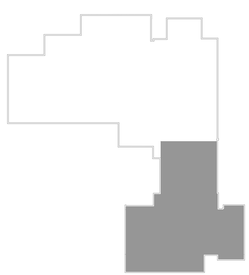
1 / M-102 — 2nd FLOOR DEMO HVAC PLAN

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



0 / M-102 — KEY PALN

SCALE: 1/64" = 1'-0"

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Drawing:
2ND FLOOR HVAC DEMO PLAN

Project Number:	Responsible Party:	Reviewed By:
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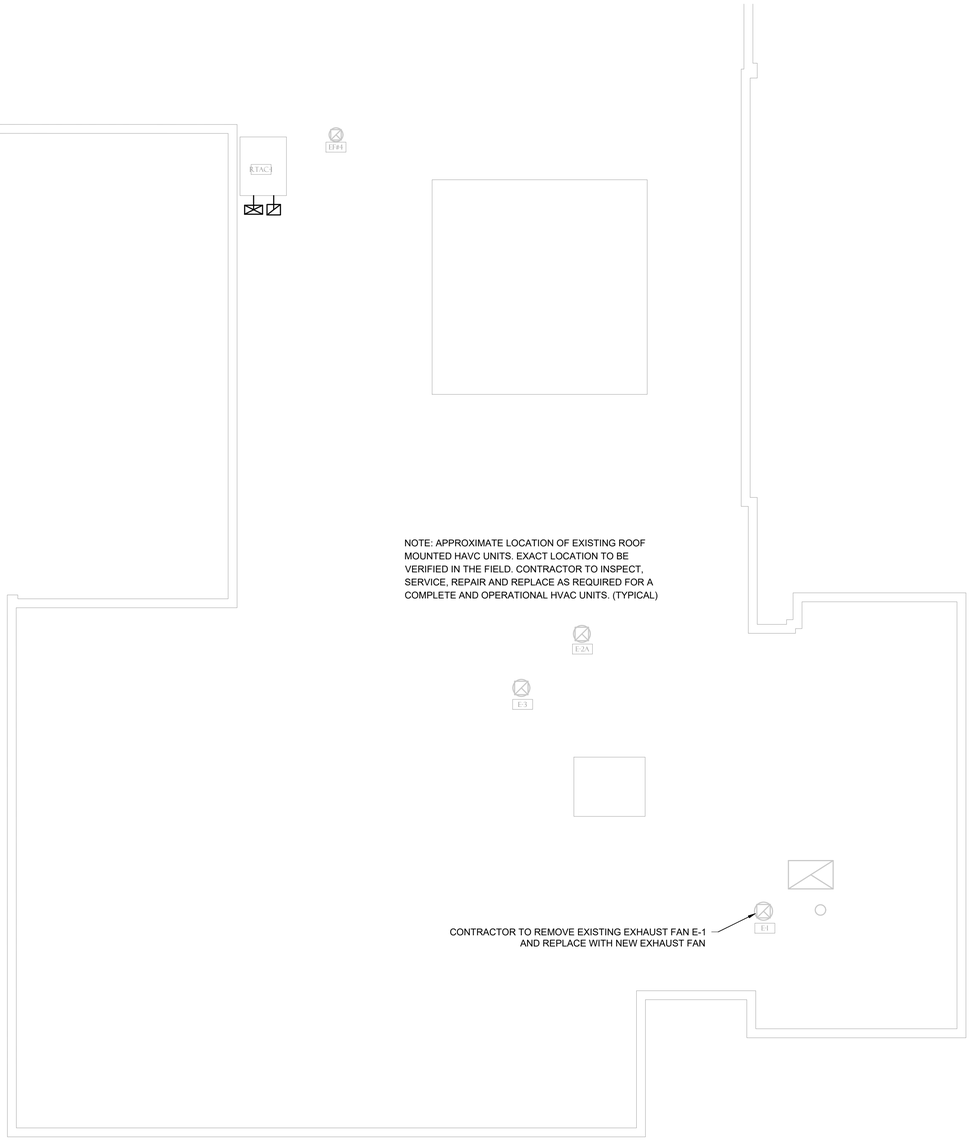
Scale:
AS NOTED

Drawing Number:
M-102

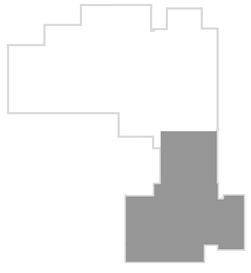


NOTE: APPROXIMATE LOCATION OF EXISTING ROOF MOUNTED HAVC UNITS. EXACT LOCATION TO BE VERIFIED IN THE FIELD. CONTRACTOR TO INSPECT, SERVICE, REPAIR AND REPLACE AS REQUIRED FOR A COMPLETE AND OPERATIONAL HVAC UNITS. (TYPICAL)

CONTRACTOR TO REMOVE EXISTING EXHAUST FAN E-1 AND REPLACE WITH NEW EXHAUST FAN

1 / M-103 HVAC ROOF DEMO PLAN

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



0 / M-103 KEY PALN

SCALE: 1/64" = 1'-0"

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Seal:

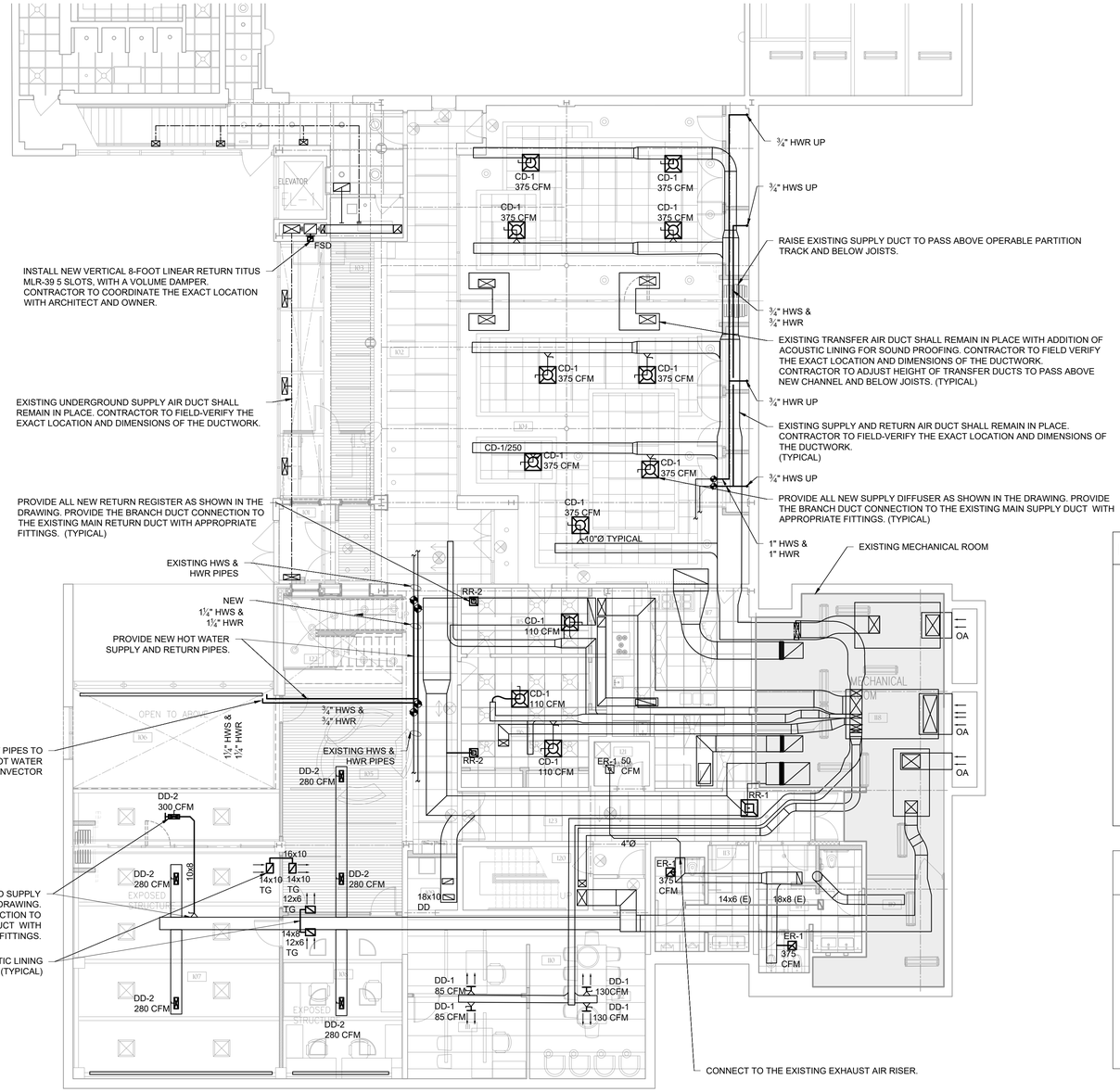
REVISIONS

Drawing:
ROOF HVAC DEMO PLAN

Project Number:	Responsible Party:	Reviewed By:
24012		

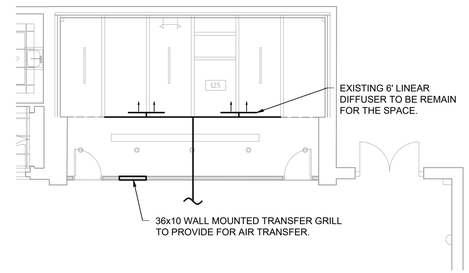
Scale:
AS NOTED

Drawing Number:
M-103



1 M-201 — 1st FLOOR OVERALL HVAC PLAN

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



2 M-201 — ROOM 125 HVAC PLAN

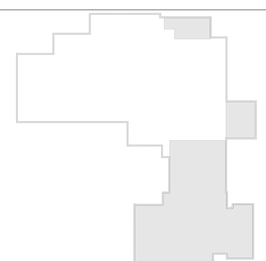
SCALE: 1/8" = 1'-0"

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY THE CAPACITY, AIRFLOW (CFM), AND OPERATING CONDITION OF ALL EXISTING HVAC UNITS PRIOR TO CONSTRUCTION AND REPORT ANY DEFICIENCIES.
2. ALL EXISTING HVAC UNIT SHALL BE RE-BALANCED AND RE-COMMISSIONED TO MEET THE REVISED HEATING, COOLING, AND VENTILATION REQUIREMENTS BASED ON THE NEW LAYOUT.
3. NEW SUPPLY AND RETURN DUCTWORK SHALL BE CONNECTED TO THE EXISTING SUPPLY AND RETURN OPENINGS; THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL UNIT OPENING SIZES PRIOR TO FABRICATION AND PROVIDE PROPER TRANSITIONS OR PLENUMS AS REQUIRED TO AVOID AIRFLOW RESTRICTION AND EXCESS STATIC PRESSURE.
4. EXISTING SUPPLY, RETURN, AND OUTSIDE AIR DUCT SYSTEMS SHALL BE MODIFIED AS NEEDED TO SERVE THE NEW ROOM LAYOUTS AND DIFFUSER LOCATIONS.
5. ALL FILTERS, COILS, AND BELTS IN THE HVAC UNITS SHALL BE INSPECTED AND CLEANED OR REPLACED AS NECESSARY TO ENSURE PROPER PERFORMANCE.
6. ALL CONTROLS, THERMOSTATS, AND CONTROL WIRING SERVING THE HVAC UNIT SHALL BE COORDINATED AND ADJUSTED TO MATCH THE NEW ZONING AND ROOM USAGE.
7. UPON COMPLETION, THE CONTRACTOR SHALL PERFORM TESTING, ADJUSTING, AND BALANCING (TAB) AND PROVIDE A REPORT CONFIRMING THAT ALL AIRFLOWS AND PRESSURES MEET THE DESIGN INTENT AND APPLICABLE CODES.

GENERAL DUCTWORK TRANSITION NOTES:

1. CONTRACTOR SHALL ADJUST FITTINGS AND TRANSITIONS AS REQUIRED TO SUIT EXISTING FIELD CONDITIONS WITHOUT COMPROMISING AIRFLOW OR SYSTEM PERFORMANCE. PROVIDE OFFSETS, TRANSITIONS, AND COORDINATION WITH LIGHTING, SPRINKLER PIPING, CABLE TRAYS, AND OTHER SERVICES TO AVOID CONFLICTS. MAINTAIN REQUIRED CLEARANCES FOR ACCESS PANELS, FIRE/SMOKE DAMPERS, AND EQUIPMENT SERVICING.
2. ALL PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE PROPERLY SLEEVED AND SEALED IN ACCORDANCE WITH APPLICABLE CODES. COORDINATE EXACT SHAFT/PENETRATION LOCATIONS WITH STRUCTURAL ENGINEER. INSTALL DUCT SUPPORTS AND HANGERS IN ACCORDANCE WITH SMACNA STANDARDS AND ENSURE STRUCTURAL ADEQUACY.
3. ANY DEVIATIONS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO INSTALLATION.
4. PROVIDE ALL NEW SUPPLY DIFFUSER AS SHOWN IN THE DRAWING. PROVIDE THE BRANCH DUCT CONNECTION TO THE EXISTING MAIN SUPPLY DUCT WITH APPROPRIATE FITTINGS.



0 M-201 — KEY PALN

SCALE: 1/64" = 1'-0"

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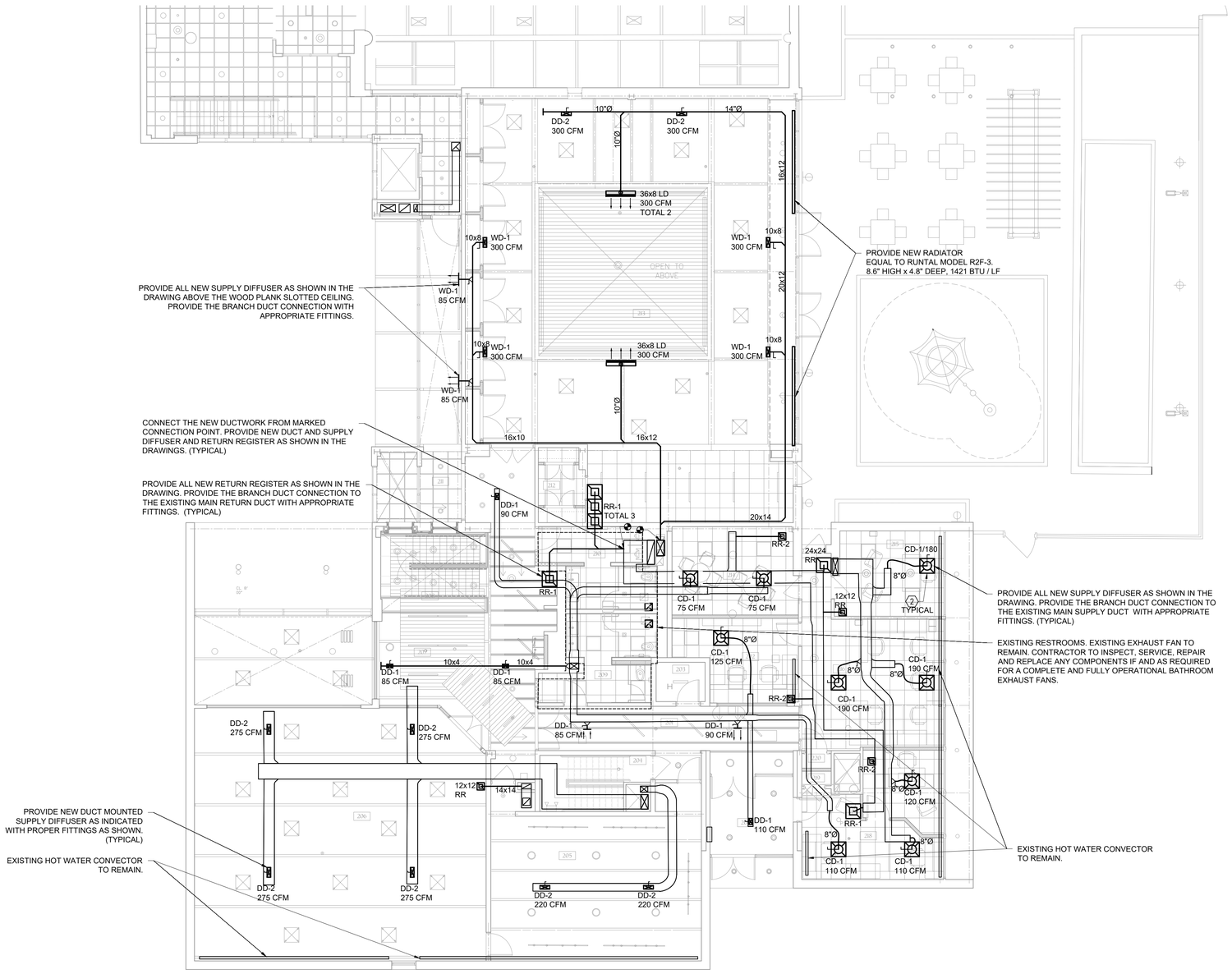
REVISIONS

Drawing:
1ST FLOOR HVAC PLAN

Project Number:	Responsible Party:	Reviewed By:
24012	SEVA	SNP

Scale:
AS NOTED

Drawing Number:
M-201



1 M-202 **2nd FLOOR OVERALL HVAC PLAN**

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

GENERAL DUCTWORK TRANSITION NOTES:

1. CONTRACTOR SHALL ADJUST FITTINGS AND TRANSITIONS AS REQUIRED TO SUIT EXISTING FIELD CONDITIONS WITHOUT COMPROMISING AIRFLOW OR SYSTEM PERFORMANCE. PROVIDE OFFSETS, TRANSITIONS, AND COORDINATION WITH LIGHTING, SPRINKLER PIPING, CABLE TRAYS, AND OTHER SERVICES TO AVOID CONFLICTS. MAINTAIN REQUIRED CLEARANCES FOR ACCESS PANELS, FIRE/SMOKE DAMPERS, AND EQUIPMENT SERVICING.
2. ALL PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE PROPERLY SLEEVED AND SEALED IN ACCORDANCE WITH APPLICABLE CODES. COORDINATE EXACT SHAFT/PENETRATION LOCATIONS WITH STRUCTURAL ENGINEER. INSTALL DUCT SUPPORTS AND HANGERS IN ACCORDANCE WITH SMACNA STANDARDS AND ENSURE STRUCTURAL ADEQUACY.
3. ANY DEVIATIONS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO INSTALLATION.
4. PROVIDE ALL NEW SUPPLY DIFFUSER AS SHOWN IN THE DRAWING. PROVIDE THE BRANCH DUCT CONNECTION TO THE EXISTING MAIN SUPPLY DUCT WITH APPROPRIATE FITTINGS.

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY THE CAPACITY, AIRFLOW (CFM), AND OPERATING CONDITION OF ALL EXISTING HVAC UNITS PRIOR TO CONSTRUCTION AND REPORT ANY DEFICIENCIES.
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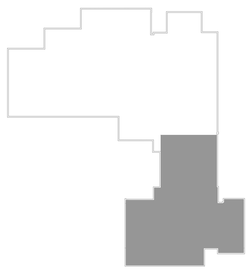

0 M-202 **KEY PALN**

SCALE: 1/64" = 1'-0"

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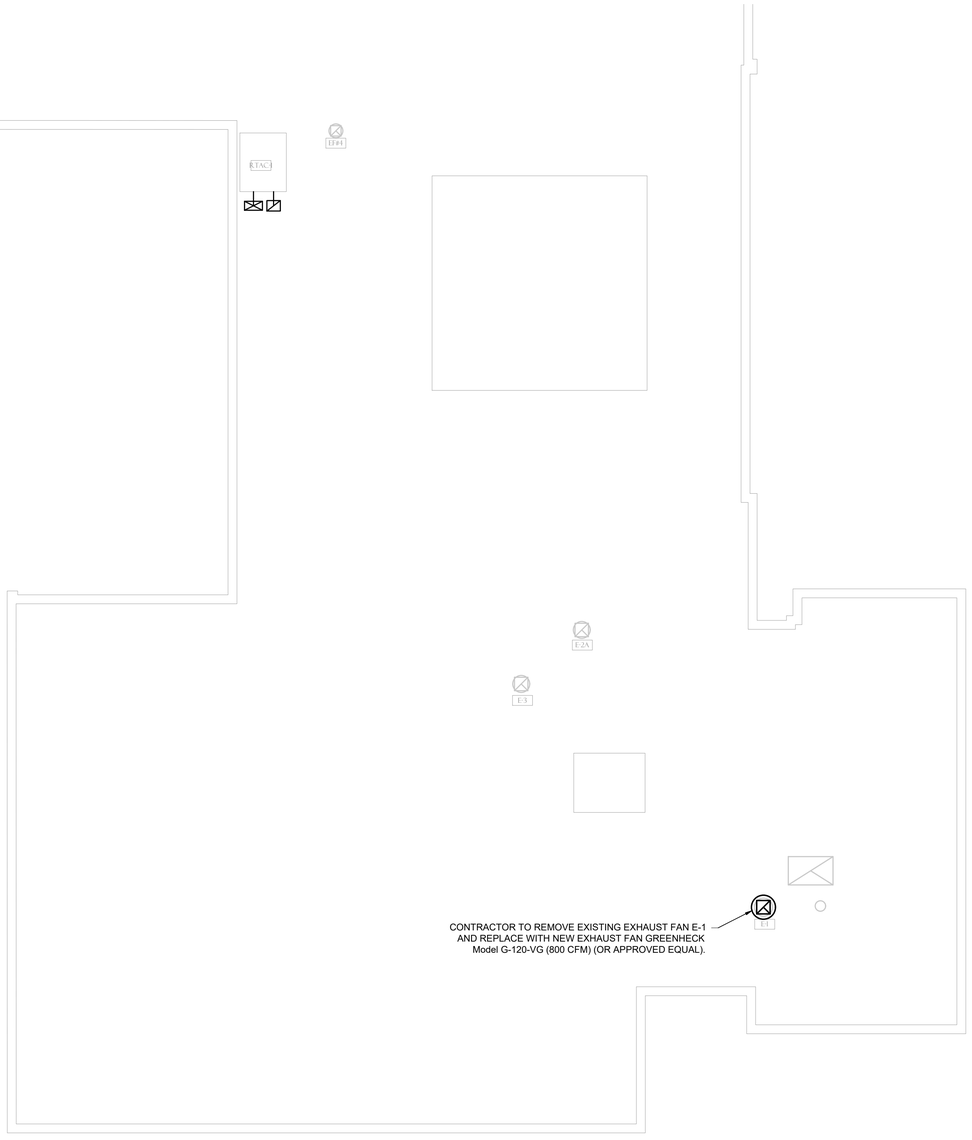
Drawing:
2ND FLOOR HVAC PLAN

Project Number:	Responsible Party:	Reviewed By:
24012		

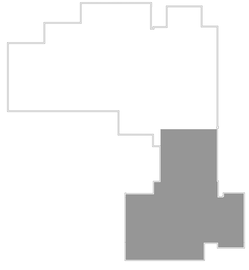
Scale: AS NOTED

Drawing Number:
M-202



1 M-203 OVERALL HVAC ROOF PLAN

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



0 M-203 KEY PALN

SCALE: 1/64" = 1'-0"

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Seal:

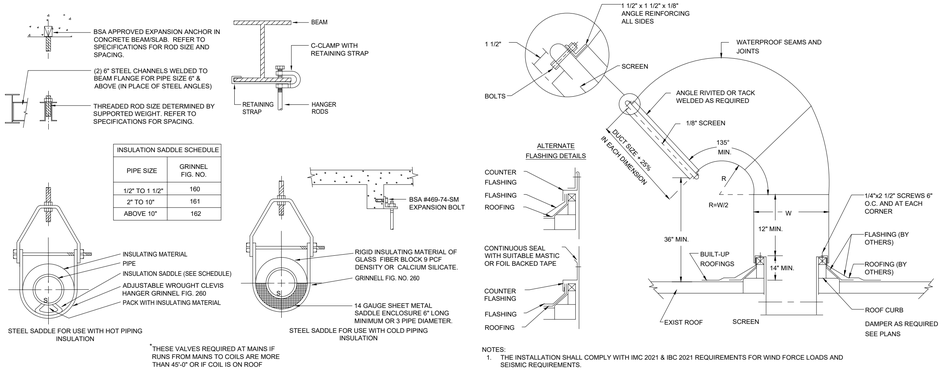
REVISIONS

Drawing:
HVAC
ROOF PLAN

Project Number:	Responsible Party:	Reviewed By:
24012		

Scale:
AS NOTED

Drawing Number:
M-203



INSULATION SADDLE SCHEDULE	
PIPE SIZE	GRINNEL FIG. NO.
1/2" TO 1 1/2"	160
2" TO 10"	161
ABOVE 10"	162

NOTES:
1. THE INSTALLATION SHALL COMPLY WITH IMC 2021 & IBC 2021 REQUIREMENTS FOR WIND FORCE LOADS AND SEISMIC REQUIREMENTS.

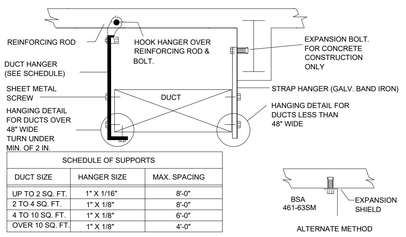
PIPE HANGING & STEEL SADDLE DETAILS

NO SCALE

*THESE VALVES REQUIRED AT MAINS IF RUNS FROM MAINS TO COILS ARE MORE THAN 45'-0" OR IF COIL IS ON ROOF

GOOSENECK DETAIL

NOT TO SCALE

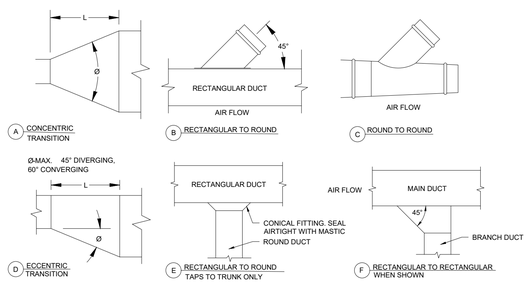


SCHEDULE OF SUPPORTS		
DUCT SIZE	HANGER SIZE	MAX. SPACING
UP TO 2 SQ. FT.	1" X 1/16"	8'-0"
2 TO 4 SQ. FT.	1" X 1/8"	8'-0"
4 TO 10 SQ. FT.	1" X 1/8"	6'-0"
OVER 10 SQ. FT.	1" X 1/8"	4'-0"

SCHEDULE OF ANCHOR BOLTS		
SIZE	LENGTH OF EMBEDMENT	MANUFACTURER-MODEL
3/8"	1-9/16"	HILTI-HDI

ALTERNATE METHOD

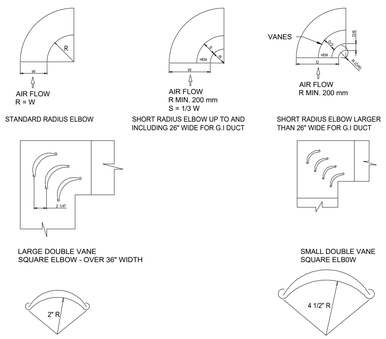
NOTE: DO NOT USE IN CINDER CONCRETE.



NOTE: USE PLAN AS GUIDE TO FITTING TYPE.

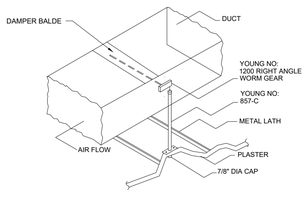
DUCT FITTING DETAILS

NOT TO SCALE



DUCT SUPPORT DETAILS

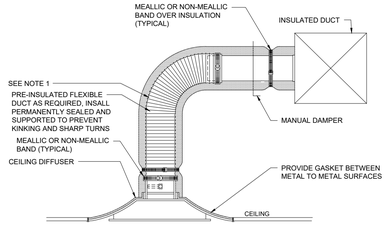
NOT TO SCALE



NOTE: APPLICABLE TO SHEETROCK/PLASTER CEILING AREAS ONLY.

VOLUME CONTROL DAMPER

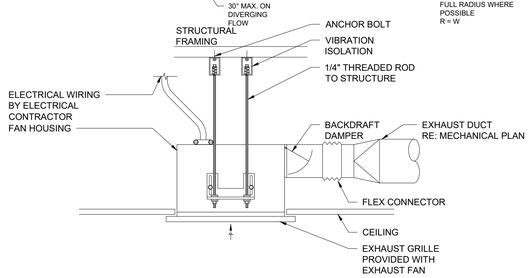
NOT TO SCALE



NOTES:
1. EXTEND HARD METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0". PROVIDE RIGID 90° ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 5'-0" LENGTH LIMITATION.

CEILING DIFFUSER DETAILS

NOT TO SCALE



CEILING EXHAUST FAN DETAIL

NO SCALE

DUCTWORK INSULATION SCHEDULES

DUCT LOCATED WITHIN UNCONDITIONED SPACE	R-6	MINERAL FIBER BLANKET WITH FSK JACKET	ASTM C 1290, TYPE III
DUCT LOCATED OUTSIDE OF THE BUILDING	R-8	MINERAL FIBER BLANKET WITH FSK JACKET	ASTM C 1290, TYPE III
DUCT LOCATED WITHIN BUILDING ENVELOPE ASSEMBLY	R-8	MINERAL FIBER BLANKET WITH FSK JACKET	ASTM C 1290, TYPE III

NOTE1: FIBERGLASS INSULATION: THERMAL CONDUCTIVITY .22 TO. 28 BTU x IN/H x FT x F W/100F MEAN TEMP,
NOTE 2: REFER TO BOOK SPECIFICATION, WHERE APPLICABLE, FOR ADDITIONAL INFORMATION.

DUCTWORK SEALING REQUIREMENTS

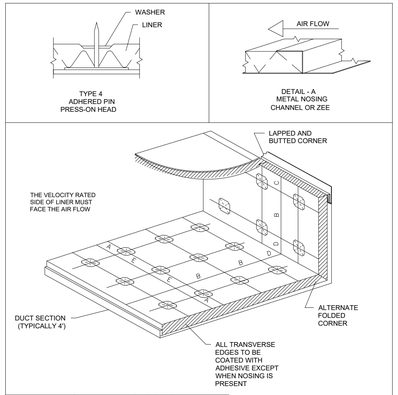
ALL LOW-PRESSURE DUCTWORK (OPERATING AT LESS THAN OR EQUAL TO 2-INCHES WATER GAUGE) SHALL BE SEALED WITH MASTIC PER THE FOLLOWING:
TRANSVERSE JOINTS: APPLY 2-INCH WIDE BAND OF MASTIC 20-30 MILS THICK TO THE EXPOSED PART OF THE MALE FITTING. FULLY SEAL THE JOINT AND MECHANICALLY FASTEN WITH SHEET METAL SCREWS. AFTER ASSEMBLY APPLY 2.5-INCH WIDE BAND OF MASTIC 20-30 MILS THICK TO THE OUTSIDE OF THE JOINT COVERING ALL SCREWS AND THE JOINT ITSELF.
TAKE-OFF JOINTS: AFTER ASSEMBLY APPLY 2-INCH WIDE BAND OF MASTIC 20-30 MILS THICK TO THE OUTSIDE OF THE TAKE-OFF JOINT COVERING ALL SCREWS AND THE JOINT ITSELF.
SEAMS: APPLY 2-INCH WIDE BAND OF MASTIC 20-30 MILS THICK TO THE OUTSIDE OF ALL DUCT SEAMS.

MASTIC SHALL BE LOW-VOC OR EQUIVALENT, UL-181 COMPLIANT MATERIAL AND INSTALLED ACCORDING TO MANUFACTURER'S REQUIREMENT. DO NOT APPLY MASTIC IN CONDITIONS BELOW RECOMMENDED TEMPERATURE RANGE.

THE ABOVE REQUIREMENTS ARE IN ACCORDANCE WITH NY MECHANICAL CODE.

DUCT CONSTRUCTION SCHEDULE

DIMENSION OF LONGEST SIDE OF DUCT (IN.)	SHEET METAL GAUGES		RECOMMENDED JOINT CONSTRUCTION	MAX. JOINT SPACING
	STEEL	ALUMINUM		
UP TO 24"	24	22 (.025)	POCKET SLIP BAR - S SLIP	8'-0"
24 THRU 30	24	22 (.025)	POCKET SLIP BAR - S SLIP	4'-0"
31 THRU 60	22	20 (.032)	POCKET SLIP BAR - S SLIP	4'-0"
61 THRU 72	20	18 (.040)	REINFORCED POCKET SLIP REINFORCED BAR - S	4'-0"
73 THRU 90	20	18 (.040)	REINFORCED POCKET SLIP REINFORCED BAR - S	4'-0"
91 AND UP	18	16 (.051)	REINFORCED POCKET SLIP REINFORCED BAR - S	4'-0"



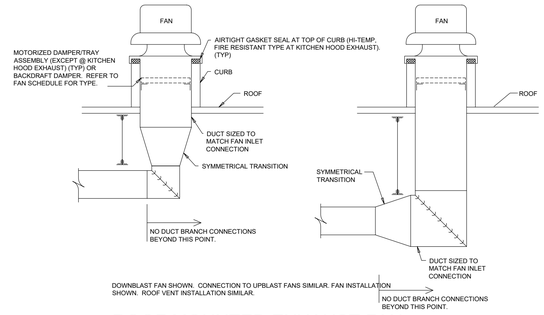
VELOCITY*	DIMENSIONS				
	A	B	C	D	E
0-2500FPM	3"	12"	4"	6"	18"
2501-6000 FPM	3"	6"	4"	6"	16"

1. MAXIMUM SPACING FOR FASTENERS. ACTUAL INTERVALS ARE APPROXIMATE.
2. "A" PIN ROW MAY BE OMITTED WHEN METAL NOSING IS USED. "E" THEN STARTS FROM THE NOSING.
3. UNLESS A LOWER LEVEL IS SET BY MANUFACTURER OR LISTING AGENCY.

NOTES:
1. LINER SHALL BE ADHERED TO THE DUCT WITH 90% MIN. AREA COVERAGE OF ADHESIVE.
2. PINS SHALL BE PLACED 3" ALONG EACH SIDE OF A BUTTED LONGITUDINAL LINER SEAM THAT IS AWAY FROM A CORNER.
3. INSTALLED PINS AND WASHERS SHALL NOT COMPRESS LINER MORE THAN THE CORRECT LENGTH SPECIFIED FOR THE LINER THICKNESS USED.
4. INTERIOR WIDTH OF 8" AND LESS DOES NOT REQUIRE PINS.
5. METAL NOSING MUST BE USED WHEREVER LINER IS PRECEDED BY UNLINED METAL; WHEN WHEN VELOCITY EXCEEDS 4000FPM USE METAL NOSING ON EVERY LEADING EDGE.
6. NOSING MAY BE FORMED ON DUCT OR BE CHANNEL OR ZEE ATTACHED BY SCREWS, RIVETS OR WELDS.
7. THIS DETAIL IS CONSISTANT WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS- SECOND EDITION.

ACOUSTICAL LINING DETAIL

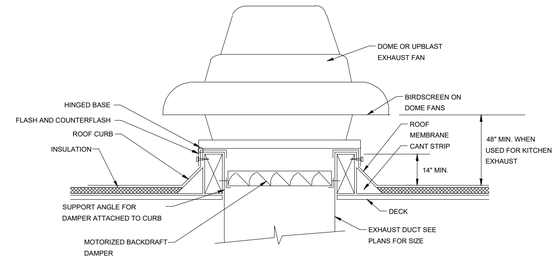
NOT TO SCALE



DOWNBLAST FAN SHOWN. CONNECTION TO UPBLAST FANS SIMILAR. FAN INSTALLATION SHOWN. ROOF VENT INSTALLATION SIMILAR.

ROOF MOUNTED EXHAUST FAN

NO SCALE



GENERAL NOTES:
1. COORDINATE FLASHING REQUIREMENTS AND CURB INSTALLATION WITH ROOFING CONTRACTOR AND ARCHITECTURAL ROOF REQUIREMENTS.
2. PROVIDE DRAIN PLUG IN ALL UPBLAST FANS ON GREASE FANS. PIPE DRAIN TO A RECEIVER TO CATCH GREASE.
3. PROVIDE A MANUFACTURED ROOF CURB WITH A HINGED BASE.

ROOF MOUNTED EXHAUST FAN

NO SCALE

DIFFUSER AND REGISTER SCHEDULE

TAG	MANUFACTURER	MODEL	MOUNTING	SIZE	DESCRIPTION	REMARKS
CD-1	TITUS	OMNI	CEILING MOUNTED	24x24	4-WAY	1,2,3,4,5
CD-2	TITUS	OMNI	CEILING MOUNTED	12x12	4-WAY	1,2,3,4,5
DD-1	TITUS	AG-35B	DUCT MOUNTED	10x6	WITH FACE DAMPER	1,2,4
DD-2	TITUS	AG-35B	DUCT MOUNTED	16x6	WITH FACE DAMPER	1,2,4
WD-1	TITUS	300	WALL MOUNTED	16x6	WALL FLUSHED	1,2,4
RR-1	TITUS	PAR	CEILING MOUNTED	24x24	PERFORATED FACE	1,2,4
RR-2	TITUS	PAR	CEILING MOUNTED	12x12	PERFORATED FACE	1,2,4
ER-1	TITUS	PAR	CEILING MOUNTED	12x12	PERFORATED FACE	1,2,4

NOTES:
1. Maximum Noise Criterion Rating < 30 DBA.
2. Baked Enamel Finish, Color To Be Selected By Architect.
3. Diffusers Shall Be 4-Way Blow Unless Otherwise Indicated On Plans.
4. Mounting Frame Type Shall Be Coord. With Ceiling / Wall Construction Type.
5. Neck Size Shall Be As Scheduled.

Neck Size
Up To 100 Cfm - 6" DIA
101 To 225 Cfm - 8" DIA
226 To 375 Cfm - 10" DIA
376 To 600 Cfm - 12" DIA
601 To 900 Cfm - 14" DIA
901 To 1100 Cfm - 15" DIA

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M-301

DUCTWORK AND ACCESSORIES

1.1 FLAME AND SMOKE RATINGS

A. ALL MATERIALS, INCLUDING ADHESIVES, SURFACE COATINGS, SEALERS, ASSEMBLIES OF SEVERAL MATERIALS, INSULATION, JACKETING, FINISH, ETC, SHALL HAVE FLAME SPREAD RATINGS NOT OVER 25 (FIRE RESISTIVE) AND SMOKE DEVELOPMENT RATINGS NOT OVER 50 AND FUEL CONTRIBUTED RATING NOT OVER 50, AS ESTABLISHED BY TESTS CONDUCTED IN ACCORDANCE WITH THE FEDERAL STANDARD 00136B, NATIONAL BUREAU OF STANDARDS RADIANT ENERGY FIRE TEST AND THE NATIONAL FIRE CODE OF THE NFPA.

B. THESE REQUIREMENTS APPLY TO ALL CIRCUMSTANCES WHETHER THE MATERIALS ARE FIELD APPLIED OR APPLIED BY A MANUFACTURER IN HIS/HER SHOP, OR ELSEWHERE, PRIOR TO DELIVERY TO THE PROJECT.

1.2 SOUND CONTROL

A. THE SELECTION OF DUCTWORK AND ACCESSORIES SHALL BE SUCH AS NOT TO CREATE NOISE THAT WILL EXCEED THE LEVELS OF PERMISSIBLE NOISE EXPOSURES FOR OCCUPATIONAL AREAS AS ESTABLISHED BY THE OSHA AND OTHER FEDERAL, STATE AND LOCAL SAFETY AND HEALTH STANDARDS, CODES AND ORDINANCES.

B. ACOUSTICAL LINING _ INTERNAL SOUND ATTENUATION AND INSULATION SHALL BE 1_IN THICK BONDED FIBERGLASS MAT COATED WITH BLACK PIGMENTED FIRE RESISTIVE COATING ON THE AIR STREAM SIDE. LINER SHALL COMPLY WITH NFPA 90A REQUIREMENTS. FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS SHALL BE 25 AND 50 RESPECTIVELY. MATERIAL SHALL BE OWENS CORNING; AEROFLEX OR EQUAL.

1.3 HANGERS, SUPPORTS AND ANCHORS

A. FURNISH SUPPORTS, HANGERS AND OTHER DEVICES NECESSARY TO SUPPORT FIRMLY AND SUBSTANTIALLY THE EQUIPMENT AND DUCTWORK DESCRIBED IN THIS SECTION. DUCTWORK SUPPORT SYSTEMS SHALL INCLUDE RESTRAINS AS REQUIRED BY THE APPLICABLE BUILDING CODES TO WITHSTAND SEISMIC LOADING. ALL EQUIPMENT, DUCTWORK, AND SUPPORTS THAT ARE INSTALLED OUTDOORS SHALL BE DESIGNED AND INSTALLED TO MEET WIND LOADINGS AS REQUIRED AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL BUILDING CODE, NEW YORK STATE BUILDING CODES, ALL OTHER APPLICABLE CODES, AND THE REQUIREMENTS SPECIFIED HEREIN. DESIGN SHALL BE PROVIDED BY A PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR AS SPECIFIED IN OTHER SECTIONS OF THE SPECIFICATION. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR RECORD PURPOSES.

B. ALL HANGERS SHALL BE OF SAME MATERIAL AS DUCTWORK WHICH THEY SERVE, E.G., GALVANIZED, ALUMINUM, BLACK STEEL, ETC. EXCEPT FOR PVC DUCTWORK WHICH SHALL BE TYPE 304 STAINLESS STEEL.

C. ALL HANGER HARDWARE AND FASTENERS SHALL BE OF THE SAME MATERIAL AS THE DUCT THEY SERVE OR SHALL BE OF A MATERIAL WITH EQUAL OR GREATER CORROSION RESISTANCE. WHERE MATERIALS OTHER THAN THE DUCT MATERIAL ARE USED, THEY MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.

D. PERFORATED BAND IRON OR WIRE FOR SUPPORTING DUCTS SHALL NOT BE PERMITTED.

E. WHERE C_CLAMP TYPE HANGERS ARE USED, FURNISH WITH A RETAINER STRAP.

F. SUPPORT FLEXIBLE DUCT WITH GALVANIZED STEEL BAND HANGERS, 1_IN WIDE MINIMUM, ATTACHED SO AS NOT TO CRUSH THE DUCTWORK. THE USE OF WIRE TO HANG FLEXIBLE DUCTWORK SHALL NOT BE PERMITTED.

G. THE FOLLOWING METHODS OF HANGER ATTACHMENT TO THE BUILDING STRUCTURE ARE NOT ALLOWED. THE NUMBERS AND LETTERS REFER TO HANGER METHODS SHOWN IN FIGURE 4-1, 4-2 AND 4-3 OF THE 1985 EDITION OF THE HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE AS PUBLISHED BY SMACNA.

"T"- WRAP AROUND STRAP ON OPEN WEB JOIST.
"W" - BENT OVER BAND ON OPEN WEB JOIST.
"14" - FRICTION CLAMPS.
"17" - BENT WIRE IN METAL DECK.

H. DESIGN OF HANGERS SHALL INCLUDE THE EFFECT OF ALL LOADS APPLIED TO THE DUCT AS WELL AS THE LOAD OF THE DUCT. THESE LOADS INCLUDE, BUT ARE NOT LIMITED TO WIND, SNOW AND INTERNAL DIRT OR LIQUID BUILDUP.

I. HANGERS SHALL NOT BE SUPPORTED FROM ROOF DECKING OR BULB TEES. WHERE REQUIRED, PROVIDE SUPPLEMENTAL STEEL TO SPAN BETWEEN THE BUILDING STRUCTURES.

1.4 DUCTWORK MATERIAL

A. DUCTWORK SHALL BE CONSTRUCTED OF THE MATERIALS SPECIFIED USING THE GAUGES OR THICKNESSES, REINFORCING AND CONSTRUCTION METHODS IN ACCORDANCE WITH SMACNA STANDARDS. UNLESS OTHERWISE SPECIFIED, ALL COMPONENTS OF THE DUCT SYSTEMS SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS THE DUCTWORK. THIS IS TO INCLUDE BRACES AND TURNING VANES.

1. GALVANIZED STEEL DUCTWORK SHALL BE CONSTRUCTED OF HOT_DIP GALVANIZED SHEET STEEL, PER ASTM A653.
2. KITCHEN EXHAUST DUCTS SHALL BE WELDED GREASE DUCTS COMPLYING SMACNA STANDARDS. CONTRACTOR SHALL PROVIDE A SIGNED & SEALED DUCT LAYOUT FOR TOWNSHIP REVIEW AND APPROVAL PRIOR TO FABRICATION.

1.5 DUCTWORK CONSTRUCTION

A. ALL DUCTWORK SHALL BE SUBSTANTIALLY BUILT WITH JOINTS AND SEAMS SMOOTH ON THE INSIDE AND GIVEN A NEAT APPEARANCE ON THE OUTSIDE. INSIDE SURFACES AND JOINTS SHALL BE SMOOTH AND FREE FROM POCKETS, BURRS AND PROJECTIONS. ALL JOINTS SHALL BE SUBSTANTIALLY AIRTIGHT WITH LAPS MADE IN THE DIRECTION OF AIR FLOW AND NO FLANGES PROJECTING INTO THE AIR STREAM.

B. ALL OUTDOOR DUCTWORK 18 GAGE GALVANIZED STEEL WITH 2-1/2" INSULATION (R-12) SUITABLE FOR OUTDOOR APPLICATION. PRE-INSULATED DUCT SECTIONS ARE ALLOWED. PROVIDE DUCT JOINT SEALING SYSTEM ENSURING MINIMAL LEAKAGE WITH SUPERIOR STAINLESS STEEL JACKETING COMBINED WITH AN ADDITIONALLY FACTORY APPLIED WEATHER RESISTANT CLADDING TO ENSURE THE MAXIMUM IN PROTECTION FROM THE ELEMENTS. THE PRE-FABRICATED DUCT SECTIONS SHALL BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS.

C. PRESSURE CLASSES

1. PRESSURE CLASSES FOR DETERMINATION OF SHEET METAL GAUGE AND REINFORCING SHALL BE AS DEFINED BY THE LATEST ISSUE OF THE SMACNA - HVAC DUCT CONSTRUCTION STANDARDS.

2. FOR SYSTEMS WITH FANS WITH A SHUT OFF STATIC PRESSURE HIGHER THAN 2_IN W.G., DESIGN PRESSURE SHALL BE AS LISTED IN PARAGRAPH 2.6 ABOVE.

FOR SYSTEMS WITH FANS A SHUT OFF STATIC PRESSURE 2_IN W.G. OR LESS DESIGN PRESSURE SHALL BE EQUAL TO THE MAXIMUM PRESSURE INDICATED FOR THE FANS OR AIR HANDLING UNITS ON THE SCHEDULES AND THE PRESSURE CLASS SHALL BE THE SAME FOR THE ENTIRE LENGTH, INCLUDING BRANCHES, OF THE SPECIFIC DUCT SYSTEM.

C. RECTANGULAR DUCTWORK (SHEET METAL)

1. DUCTWORK SHALL BE CONSTRUCTED AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE SPECIFIED SMACNA - CONSTRUCTION STANDARD.

2. CROSS_BREAKING SHALL CONFORM TO SMACNA STANDARD. CROSS_BREAKING SHALL BE APPLIED TO THE SHEET METAL BETWEEN THE STANDING SEAMS OR REINFORCING ANGLES. THE CENTER OF THE CROSS_BREAK SHALL BE OF THE REQUIRED HEIGHT TO ASSURE RIGIDITY FOR EACH PANEL.

D. ACOUSTICAL LINED DUCTWORK

1. DUCT LINING SHALL BE COVERED WITH A MATTE-FACED NEOPRENE COVERING AND SEALED WITH AN ACRYLIC POLYMER. SURFACE BURNING CHARACTERISTICS SHALL HAVE A FLAME SPREAD INDEX LESS THAN 25 AND SMOKE DEVELOPED INDEX LESS THAN 50 PER ASTM E84 OR UL 723, USING THE SPECIMEN PREPARATION AND MOUNTING PROCEDURES OF ASTM E2231 PER SECTION MC 604.3. LINING SHALL BE SECURED WITH PINS OR MECHANICAL FASTENERS. LINING THAT IS SECURED WITH ADHESIVE ONLY IS NOT ACCEPTABLE. THE FIBERGLASS LINING SHALL NOT SUPPORT FUNGI OR BACTERIAL GROWTH AS PER ASTM C1338, ASTM G21 AND ASTM G22. FIBERGLASS LINING SHALL CONFORM TO THE EROSION TEST METHOD DESCRIBED IN UL PUBLICATION NO. 181. FIBERGLASS LINING DENSITY SHALL BE 1½2 LBS. PER CUBIC FOOT, MINIMUM OF 1", UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

THE DUCT LINING SHALL HAVE R VALUES STATED BELOW:
THICKNESS (IN) AND R-VALUE
1 INCH FOR 4.3 R-VALUE
1.5 INCH FOR 6.3 R-VALUE
2 INCH FOR 8.7 R-VALUE

THE MINIMUM DUCT LINING SOUND ABSORPTION COEFFICIENTS SHALL BE AS SHOWN BELOW:
THICKNESS (IN) AND NRC:
1 INCH FOR 0.75 NRC
1.5 INCH FOR 0.90 NRC
2 INCH FOR 1.0 NRC

APPROVED MANUFACTURERS:
OWENS CORNING AEROFLEX
JOHNS MANVILLE PERMACOTE LINACOUSTIC
CERTAINTEED ULTRALITE

1.6 VOLUME AND SHUT OFF DAMPERS

E. RECTANGULAR DAMPERS SHALL BE MULTIPLE BLADE TYPE WITH CHANNEL FRAME, EXTERIOR LINKAGE AND POSITION INDICATOR AND LOCKING DEVICE. BLADES SHALL NOT EXCEED 6_IN IN WIDTH.

F. ROUND OR OVAL DAMPERS AND SPLITTERS SHALL BE SHOP FABRICATED, SINGLE BLADE TYPE WITH POSITION INDICATORS AND LOCKING DEVICE. FOR GALVANIZED SHEET METAL SYSTEMS, MATERIAL SHALL BE TWO GAUGES HEAVIER THAN DUCTWORK OR 18 GAUGE, WHICHEVER IS HEAVIER.

G. DAMPERS SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS THE DUCTWORK EXCEPT DAMPERS FOR PVC SYSTEMS WHICH SHALL BE TYPE 316 STAINLESS STEEL.

H. SHUT OFF DAMPERS SHALL HAVE REPLACEABLE NEOPRENE SILICONE RUBBER SEALS. LEAKAGE RATES SHALL NOT EXCEED 7 CFM/SQ FT AT 4_IN W.G. FOR RECTANGULAR DAMPERS AND 0.15 CFM/IN OF PERIMETER AT 4_IN W.G. FOR ROUND OR OVAL DAMPERS.

I.

1.7 ACCESS DOORS

A. ACCESS DOORS SHALL BE MINIMUM 24_IN BY 24_IN IN DUCTS 26_IN AND LARGER. WHERE THE DUCT SIZE IS LESS THAN 26_IN, THE LARGEST DOOR THAT CAN BE ACCOMMODATED SHALL BE USED. ACCESS DOORS SHALL BE OF THE SAME MATERIAL AS THE DUCT, PAN TYPE CONSTRUCTION FOR METAL DUCTWORK, WITH SMOOTH EDGES AND FITTED SEALS, CONSTRUCTED AND INSTALLED FOR AIR_TIGHT FIT WITH EASE OF OPENING AND CLOSING. DOORS SHALL BE SUBSTANTIALLY BUTT HINGED, WITH HEAVY SASH LOCKS AND SUBSTANTIAL DOOR PULLS. DOOR OPENINGS AND DOOR FRAMES SHALL BE REINFORCED WITH BAR STOCK OR ANGLE. WHERE DUCTWORK IS INSTALLED WITH DUCT LINER OR EXTERIOR DUCT INSULATION, THE ACCESS DOOR SHALL BE OF THE INSULATED TYPE. ACCESS DOORS SHALL BE FACTORY FABRICATED. WHERE DUCTWORK IS CONSTRUCTED OF ALLUMINUM OR STAINLESS STEEL, ACCESS DOOR AND HARDWARE SHALL BE OF SIMILAR MATERIAL.

B. HAND HOLE ACCESS PANELS SHALL BE 12_IN BY 12_IN, CONSTRUCTED OF THE SAME MATERIAL AS THE DUCTWORK, WITH PERIPHERAL GASKETS AND SASH LOCKS. PROVIDE HINGES OR CHAIN FOR ATTACHMENT TO DUCT.

1.8 COMBINATION FIRE AND SMOKE DAMPERS

A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING SUGGESTED COMPLIANT MANUFACTURERS:
1. GREENHECK FAN CORPORATION.

B. TYPE: EACH FIRE /SMOKE DAMPER SHALL BE RATED AND LABELED ACCORDING TO UL 555 AND UL 555S BY AN NRTL.

C. CLOSING RATING IN DUCTS UP TO 4-INCH WG STATIC PRESSURE CLASS AND 3500-FPM AIR VELOCITY IN THE OPEN POSITION.

D. FIRE RATING: 1-1/2 OR 3 HOURS AS REQUIRED.

E. FRAME: CURTAIN TYPE WITH BLADES INSIDE AIRSTREAM; FABRICATED WITH ROLL-FORMED, 0.034-INCH- THICK GALVANIZED STEEL; WITH MITERED AND INTERLOCKING CORNERS.

F. HEAT-RESPONSIVE DEVICE: REPLACEABLE, 165 DEG F TO 212 DEG F RATED, FUSIBLE LINKS.

G. HEAT-RESPONSIVE DEVICE: ELECTRIC RESETTABLE LINK AND SWITCH PACKAGE, FACTORY INSTALLED, RATED.

H. SMOKE DETECTOR: INTEGRAL, FACTORY WIRED FOR SINGLE-POINT CONNECTION.

I. BLADES: ROLL-FORMED, HORIZONTAL, INTERLOCKING, 0.034-INCH-THICK, GALVANIZED SHEET STEEL. IN PLACE OF INTERLOCKING BLADES, USE FULL-LENGTH, 0.034-INCH- THICK, GALVANIZED-STEEL BLADE CONNECTORS.

J. LEAKAGE: CLASS I

K. MOUNTING SLEEVE: FACTORY-INSTALLED, 0.052-INCH- THICK, GALVANIZED SHEET STEEL; LENGTH TO SUIT WALL OR FLOOR APPLICATION

L. DAMPER MOTORS: TWO-POSITION ACTION.

1.11 DIFFUSERS, REGISTERS AND GRILLES

A. GENERAL

1. ALL DIFFUSERS, REGISTERS AND GRILLES SHALL BE OF THE SHAPE, SIZES, CAPACITY AND TYPE AS SHOWN ON THE DRAWINGS.

B. SUPPLY AIR DIFFUSERS

1. GENERAL DIFFUSERS SHALL BE A FACTORY_ASSEMBLED UNIT OF WELDED STEEL CONSTRUCTION CONSISTING OF A HOUSING WITH BUILT_IN LOUVERS, CONES, VANES OR OTHER MEANS OF DIRECTING DISCHARGE OF AIR IN A PARTICULAR PATTERN PRINCIPALLY FOR OVERHEAD OR CEILING AIR DIFFUSION. ALL DIFFUSERS SHALL BE EQUIPPED WITH A VOLUME CONTROL DEVICE. DISTRIBUTION OF AIR MAY BE ADJUSTABLE IF SO SPECIFIED.

2. EXPOSED DUCT MOUNTED DIFFUSERS
a. DIFFUSERS SHALL BE OF THE FIXED TYPE FOR HORIZONTAL ADJUSTMENT OF AIR PATTERN. REFER TO DRAWINGS FOR DIRECTION OF AIR THROW. EACH DIFFUSER SHALL BE EQUIPPED WITH AN EQUALIZING GRID, BAFFLES AS REQUIRED AND EXTENDED BOTTOM PLATE FLANGE DESIGNED SPECIFICALLY FOR AIR DIFFUSION FROM DIFFUSERS MOUNTED ON EXPOSED DUCTWORK. DIFFUSERS MOUNTED IN STAINLESS STEEL DUCTWORK SHALL BE OF STAINLESS STEEL CONSTRUCTION.
b. ACCEPTABLE MANUFACTURERS SHALL BE AS LISTED OR EQUAL.
1) SQUARE AND RECTANGULAR: MODEL TDC - TITUS MANUFACTURING CORP.; CARNES, MODEL SK SERIES; AIR DEVICES INC.
2) ROUND: MODEL TMA - TITUS MANUFACTURING CORP.; CARNES; AIR DEVICES, INC.

3. CEILING MOUNTED DIFFUSERS
a. DIFFUSERS SHALL BE OF TYPE SUITABLE FOR INSTALLATION IN THE PARTICULAR CEILING SYSTEM AS SHOWN ON THE REFLECTED CEILING PLANS AND ARCHITECTURAL DRAWINGS. SPECIAL ATTENTION SHALL BE GIVEN TO THE EXACT LOCATION OF THESE CEILING DIFFUSERS FOR BEST AIR DIFFUSING CHARACTERISTICS AS WELL AS ARCHITECTURAL AESTHETICS. DIFFUSERS SHALL HAVE REMOVABLE CORE WITH VANES TO DIFFUSE SUPPLY AIR IN THE VARIOUS DIRECTIONAL PATTERNS AS SHOWN ON THE DRAWINGS. EQUALIZING GRID CONTROL DEVICES, BAFFLES AS REQUIRED, AND THROW REDUCING VANES SHALL BE FURNISHED WITH EACH DIFFUSER. THROW REDUCING VANES SHALL BE FURNISHED LOOSE FOR FIELD INSTALLATION.
b. ACCEPTABLE MANUFACTURERS SHALL BE AS LISTED OR EQUAL.
1) SQUARE AND RECTANGULAR: MODEL TDC - TITUS MANUFACTURING CORP.
2) SQUARE AND RECTANGULAR: MODEL SK SERIES - CARNES CORP.
3) SQUARE AND RECTANGULAR: MODEL SH_4_22 - KRUGER MFG. CO., INC.
4) ROUND: MODEL TMA - TITUS MANUFACTURING CORP.

4. LINEAR DIFFUSERS & LINEAR RETURNS
a. DIFFUSER LENGTHS GREATER THAN 6 FEET SHALL BE FURNISHED IN MULTIPLE SECTIONS AND WILL BE JOINED TOGETHER END-TO-END WITH ALIGNMENT PINS TO FORM A CONTINUOUS SLOT APPEARANCE. ALL ALIGNMENT COMPONENTS TO BE PROVIDED BY THE MANUFACTURER. THE RETURN MODELS SHALL BE CONSTRUCTED THE SAME AS SUPPLY DIFFUSERS WITHOUT THE PATTERN CONTROLLERS.
b. THE FRAME AND SUPPORT BARS SHALL BE CONSTRUCTED OF HEAVY GAUGE EXTRUDED ALUMINUM. THE PATTERN CONTROLLER SHALL BE AN AERODYNAMICALLY CURVED "ICE-TONG" SHAPED STEEL DEFLECTOR CAPABLE OF 180° PATTERN ADJUSTMENT FROM THE FACE OF THE DIFFUSER AND SHALL ALLOW DAMPERING IF REQUIRED. MAXIMUM PATTERN CONTROLLER LENGTH SHALL BE 3 FEET, FOR DIFFUSERS LONGER THAN 3 FEET PATTERN CONTROLLERS SHALL BE FURNISHED IN MULTIPLE SECTIONS.

C. RETURN AIR GRILLES

1. LOUVER_FACED RETURN AIR GRILLES
a. IN GENERAL, GRILLES SHALL BE A FACTORY_FABRICATED UNIT OF ALUMINUM FRAME BORDER AND LOUVER BLADES. ALL GRILLES SHALL BE FURNISHED WITH A SPONGE RUBBER GASKET TO PREVENT STREAKING.
b. ACCEPTABLE MANUFACTURER SHALL BE MODEL 4F BY TITUS MANUFACTURING CORP.; CARNES MODEL RAHA & RAJA SERIES; AIR DEVICES, INC. OR EQUAL.

2. STAMPED METAL RETURN AIR GRILLES
a. GRILLES SHALL BE A FACTORY_FABRICATED UNIT CONSISTING OF A STAMPED ALUMINUM LATTICE FACE. ALL GRILLES SHALL BE FURNISHED WITH A SPONGE RUBBER GASKET TO PREVENT STREAKING. MINIMUM FREE AREA SHALL BE 50 PERCENT.
b. ACCEPTABLE MANUFACTURER SHALL BE TUTTLE AND BAILEY DESIGN NO. 574 OR EQUAL.

D. RETURN AIR REGISTERS

1. LOUVER_FACED RETURN AIR REGISTERS
a. IN GENERAL, REGISTERS SHALL BE A FACTORY_ASSEMBLED UNIT CONSISTING OF A GRILLE AND DAMPER. GRILLE SHALL BE OF ALUMINUM FRAME BORDER WITH ALUMINUM LOUVER BLADES. DAMPERS SHALL BE ALUMINUM, OPPOSED BLADE TYPE. ALL REGISTERS SHALL BE FURNISHED WITH A SPONGE RUBBER GASKET TO PREVENT STREAKING. REGISTERS MOUNTED IN STAINLESS STEEL DUCTWORK SHALL BE OF STAINLESS STEEL CONSTRUCTION.
b. ACCEPTABLE MANUFACTURER SHALL BE MODEL 4F, TITUS MANUFACTURING CORP.; CARNES, MODEL RNHA AND RNJA SERIES; AIR DEVICES, INC. OR EQUAL.

1.12 TURNING VANES

A. TURNING VANES SHALL BE SHOP FABRICATED AND INSTALLED IN ALL ABRUPT RECTANGULAR ELBOWS. SINGLE THICKNESS OR AIRFOIL TYPE DOUBLE THICKNESS BLADES SHALL BE CHOSEN BASED ON SMACNA RECOMMENDATIONS.

B. VANES SHALL BE FABRICATED FROM THE SAME MATERIAL AS THE DUCTWORK AND MANUFACTURED BY ELGEN; DURO_DYNE; AERO/DYNE OR EQUAL.

TESTING, ADJUSTING & BALANCING

PART 1 GENERAL

1.1 SUMMARY

A. TESTING, BALANCING AND OPERATION OF THE SYSTEMS SHALL BE PERFORMED BY COMPETENT AND EXPERIENCED PERSONNEL, HAVING FORMERLY DONE SIMILAR WORK AND WHOSE QUALIFICATIONS AND PERFORMANCE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. TEST AND BALANCE AIR AND WATER SYSTEM AND SUBMIT TESTING AND BALANCING REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL. RE_BALANCE WHEN REQUIRED BY THE ENGINEER, INCORPORATING ALL CHANGES AND CERTIFY THE SYSTEMS HAVE BEEN TESTED AND BALANCED TO MEET SPECIFIED REQUIREMENTS.

B. THE TESTS SHALL DEMONSTRATE THE SPECIFIED CAPACITIES AND OPERATION OF EQUIPMENT AND MATERIALS COMPRISING THE SYSTEMS. SUCH TESTS OTHER THAN AS DESCRIBED HEREIN, WHICH ARE DEEMED NECESSARY BY THE ENGINEER TO INDICATE THE FULFILLMENT OF THE CONTRACT, SHALL BE MADE.

C. WHEN THE WORK INCLUDES MODIFICATIONS TO EXISTING SYSTEMS, THE ENTIRE SYSTEM INCLUDING EXISTING PORTIONS SHALL BE REBALANCED. WHERE CAPACITIES OF EXISTING COMPONENTS ARE NOT SHOWN AS CHANGED, THE ORIGINAL CAPACITIES SHALL BE USED FOR BALANCING.

D. SYSTEMS SERVING ODOROUS AREAS SHALL BE BALANCED FOR BOTH FLOW AND PRESSURE AS DEFINED HEREIN.

E. DATA REQUIRED BY THIS SECTION SHALL RECEIVE COMPLETE APPROVAL BEFORE FINAL PAYMENT IS MADE.

F. IF, IN THE OPINION OF THE ENGINEER, THE CONTRACTOR HAS NOT, WILL NOT, OR CANNOT COMPLY WITH THE TESTING, BALANCING AND ADJUSTING REQUIREMENTS OF THIS SECTION, HE MAY ADVISE THE OWNER TO EMPLOY A QUALIFIED FIRM TO PERFORM SUCH WORK AT CONTRACTOR'S SOLE EXPENSE.

1.2 SUBMITTALS

A. SECTION 01 33 00 - SUBMITTAL PROCEDURES: REQUIREMENTS FOR SUBMITTALS.

B. PROVIDE AS SPECIFIED IN AND IN ACCORDANCE WITH SECTION 23 00 00 IN ADDITION THE FOLLOWING
1. QUALIFICATIONS AND EXPERIENCE INFORMATION AND DATA AS DETAILED UNDER PARAGRAPH 1.4 BELOW.
2. PROPOSED TESTING SCHEDULES AND PROCEDURES.
3. RESULTS OF PERIODIC FIELD INSPECTIONS AS SPECIFIED UNDER PARAGRAPH 3.1 BELOW.
4. PRELIMINARY DRAFT "SYSTEM" BALANCING REPORTS AS SYSTEMS ARE COMPLETED AND TESTED.
5. FINAL SYSTEMS AND PROJECT BALANCING REPORTS AS FINAL SYSTEM ADJUSTMENTS ARE MADE AS SYSTEMS ARE ACCEPTED BY THE OWNER

1.3 QUALIFICATION

A. WHEN ENGINEERING SERVICES ARE SPECIFIED TO BE PROVIDED BY THE CONTRACTOR, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO PERFORM THE SERVICES. THE ENGINEER SHALL BE LICENSED AT THE TIME THE WORK IS DONE AND IN THE STATE IN WHICH THE PROJECT IS LOCATED. IF THE STATE ISSUES DISCIPLINE SPECIFIC LICENSES, THE ENGINEER SHALL BE LICENSED IN THE APPLICABLE DISCIPLINE. IN ADDITION, THE ENGINEER SHALL BE EXPERIENCED IN THE TYPE OF WORK BEING PROVIDED.

B. ALL WORK IS TO BE DONE ACCORDING TO THE APPLICABLE REGULATIONS FOR PROFESSIONAL ENGINEERS, TO INCLUDE SIGNING, SEALING AND DATING DOCUMENTS. WHEN SUBMITTALS ARE REQUIRED BY A PROFESSIONAL ENGINEER, IN ADDITION TO STATE REQUIRED SIGNING AND SEALING, A COPY OF THE CURRENT WALLET CARD OR WALL CERTIFICATE INDICATING THE DATE OF EXPIRATION SHALL BE INCLUDED WITH THE SUBMITTAL.

1.4 SCHEDULE AND PROCEDURES

A. A COMPLETE SCHEDULE OF BALANCING PROCEDURES FOR EACH OF THE BUILDINGS OR SYSTEMS SHALL BE SUBMITTED IN SUFFICIENT TIME IN ADVANCE SO THAT THE ENGINEER MIGHT ARRANGE TO OBSERVE THESE PROCEDURES AS THEY PROGRESS. BEFORE COMMENCING WITH THE BALANCING OF THE SYSTEMS SUBMIT THE METHODS AND INSTRUMENTS PROPOSED TO BE USED TO ADJUST AND BALANCE THE AIR AND WATER SYSTEMS.

B. SUBMIT PROPOSED TESTING PROGRAMS AT LEAST 2 WEEKS PRIOR TO THE SCHEDULED TEST TO ASSURE AGREEMENT AS TO PERSONNEL AND INSTRUMENTATION REQUIRED AND SCOPE OF EACH TESTING PROGRAM.

1.5 DRAWING REVIEW

A. THE BALANCING ORGANIZATION SHALL THOROUGHLY REVIEW THE LOCATION OF ALL FRESH AIR DAMPERS, RETURN DAMPERS, SPILL DAMPERS, QUADRANT DAMPERS, SPLITTER DAMPERS, BYPASS DAMPERS, FACE DAMPERS, FIRE DAMPERS, REGISTERS, GRILLES, DIFFUSERS, VAV BOXES, TROFFERS, ETC. THE PURPOSE OF THE REVIEW IS TO FINALIZE THE OPTIMUM LOCATIONS FOR DAMPERS, TEST PORTS AND BALANCING VALVES SHOWN ON THE DRAWINGS.

PART 2 PRODUCTS

2.1 MATERIALS

A. FURNISH GASKETS, LUBRICANTS AND OTHER EXPENDABLE MATERIALS REQUIRED TO BE REPLACED DURING THE EXECUTION OF THIS WORK.

B. FIXED-PITCHED PULLEYS REQUIRED FOR FAN ADJUSTMENTS SHALL BE FURNISHED ON AN EXCHANGE BASIS BY THE PARTY RESPONSIBLE FOR THE FAN INSTALLATION.

C. WHERE TEST RESULTS INDICATE THAT AIR QUANTITIES AT ANY SYSTEM FAN ARE BELOW OR IN EXCESS OF THE SPECIFIED AMOUNT, THE CONTRACTORS, AT THEIR OWN EXPENSE, SHALL CHANGE DRIVING PULLEY RATIO OR SHALL MAKE APPROVED CHANGES TO OBTAIN THE SPECIFIED OR SCHEDULED AIR QUANTITIES.

D. TESTING APPARATUS: FURNISH PLUGS, CAPS, STOPS, VALVES, PUMPS, COMPRESSORS, BLOWERS AND SIMILAR DEVICES REQUIRED TO PERFORM THIS WORK.
1. FURNISH ANEMOMETERS, THERMOMETERS, GAUGES, VOLTMETERS, AMMETERS, TACHOMETERS AND SIMILAR INSTRUMENTS, NOT PART OF THE PERMANENT INSTALLATION, BUT REQUIRED TO RECORD THE PERFORMANCE OF THE EQUIPMENT AND SYSTEMS.
2. TESTING APPARATUS, NOT PART OF THE PERMANENT INSTALLATION, SHALL REMAIN THE PROPERTY OF THE CONTRACTOR, BUT MADE AVAILABLE TO THE ENGINEER.
3. INSTRUMENTS USED FOR TESTING SHALL BE CERTIFIED ACCURATE TO WITHIN PLUS OR MINUS 0.10 DEGREES F FOR TEMPERATURE OR PLUS OR MINUS 0.10-IN WC FOR PRESSURE. CALIBRATION OF THE INSTRUMENTS SHALL BE DONE WITHIN 7 DAYS OF TESTING FOR THIS PROJECT AND HENCEFORTH EVERY 30 DAYS THEREAFTER FOR THE DURATION OF THE TESTING PERIOD. CERTIFICATION OF CALIBRATION SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO STARTING THE WORK.

2.2 TESTING REPORTS

A. FORMS: FURNISH TEST REPORT DATA ON 8-1/2-IN BY 11-IN BOND AABC OR NEBB FORM PAPER IN ACCORDANCE WITH SECTION 01 33 00 - "SUBMITTAL PROCEDURES". SUBMIT FORMAT FOR RECORDING DATA AND RECEIVE APPROVAL PRIOR TO USE.

B. REPORTS SHALL BE EXCEL SPREAD SHEETS FORMAT AND SHALL BE SUBMITTED IN BOTH HARD COPY AND AS A DATA FILE.

C. THE REPORT SHALL CONTAIN THE FOLLOWING GENERAL DATA IN A FORMAT SELECTED BY THE BALANCING AGENCY:
1. PROJECT NAME
2. CONTRACT NUMBER
3. PROJECT TITLE
4. PROJECT LOCATION
5. PROJECT ARCHITECT
6. PROJECT MECHANICAL ENGINEER
7. TEST AND BALANCE AGENCY
8. TEST AND BALANCE ENGINEER
9. CONTRACTOR
10. MECHANICAL SUBCONTRACTOR
11. DATES TESTS WERE PERFORMED
12. CERTIFICATION

D. AT A MINIMUM, THE REPORT SHALL INCLUDE:
1. PREFACE. A GENERAL DISCUSSION OF THE SYSTEMS, ANY ABNORMALITIES AND PROBLEMS.
2. INSTRUMENTATION LIST. THE LIST OF INSTRUMENTS INCLUDING TYPE, MODEL, MANUFACTURER, SERIAL NUMBER AND CALIBRATION DATES ENCOUNTERED CONTRACT NUMBER
3. SYSTEM IDENTIFICATION. IN EACH REPORT, THE VAV BOXES, ZONES, SUPPLY, RETURN AND EXHAUST OPENINGS AND TRAVERSE POINTS SHALL BE NUMBERED AND/OR LETTERED TO CORRESPOND TO THE NUMBERS AND LETTERS USED ON THE REPORT DATA SHEETS AND ON THE REPORT DIAGRAMS.

E. PREPARE 11-IN BY 17-IN SINGLE LINE DIAGRAMS OR 12-IN BY 18-IN HALF SIZE DRAWINGS SHOWING ALL DUCT SYSTEMS INDICATING ALL TERMINAL AIR OUTLETS INCLUDING DIFFUSERS, GRILLES AND REGISTERS, PERFORATED PLATES, NOZZLES AND OTHER TYPES OF AIR SUPPLY, EXHAUST OR RETURN OUTLETS. THE MINIMUM SCALE FOR DIAGRAMS SHOWING THE MEASUREMENT POINTS SHALL BE 1/8-IN=1-FT-0-IN IN THE FINAL FORM AS SUBMITTED. THE USE OF FAXED COPIES OF DIAGRAMS IS NOT ACCEPTABLE. LOCATION OF TEST POINTS SHOWN ON THE DIAGRAMS SHALL BE CLEAR AND EASY TO LOCATE ON THE DIAGRAM. THE IDENTIFICATION MARK OF THE TEST POINTS SHALL BE THE SAME AS IS SHOWN ON THE TEST REPORT SHOWING THE TEST DATA. THE IDENTIFICATION FOR TEST POINTS SHALL INCLUDE INDICATION OF THE UNITS SERVED, AND SHALL NOT HAVE A DUPLICATE IN THE PROJECT. ALL SUPPLY OUTLETS SHALL BE ADJUSTED SO THAT THERE ARE NO DRAFTS. GRILLE AND REGISTER READINGS MAY BE MADE BY A VANE ANEMOMETER, BUT DIFFUSER READINGS SHALL BE MADE BY A FLOW HOOD OR A VELOMETER, USING THE TIP RECOMMENDED BY THE DIFFUSER MANUFACTURER. EACH TEST SHEET SHALL INCLUDE THE FOLLOWING DATA:
1. JOB NAME AND ADDRESS.
2. NAME OF CONTRACTOR.
3. NAME OF BALANCING ORGANIZATION.
4. INSTRUMENTS USED TO PERFORM THE TEST.
5. NAME OF TESTS TECHNICIAN OR TEST ENGINEER.
6. FAN SYSTEM AND/OR ZONE NUMBER.
7. ROOM NUMBER OR AREA NAME.
8. SIZE OF OUTLET.
9. TYPE OF OUTLET.
10. MANUFACTURER OF OUTLET.
11. THE CFM AT EACH OUTLET ON SYSTEM AND CORRESPONDING CFM AT EACH OUTLET AS NOTED ON THE PLANS.
12. PERCENT DEVIATION OF THE MEASURED FLOW VERSUS THE DESIGN FLOW.
13. INDICATION OF THE BRANCH AND T

ELECTRICAL GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND DEFINE THE INTENT OF THE WORK. LOCATIONS OF EQUIPMENT, FIXTURES, DEVICES, PANELBOARDS, DUCTS, PIPING, DIFFUSERS, PARTITIONS, OPENINGS, ETC. ARE APPROXIMATE AND ARE SUBJECT TO MODIFICATIONS CAUSED BY STRUCTURAL CONDITIONS AND EQUIPMENT PROVIDED BY OTHER CONTRACTORS, SUBCONTRACTORS OR THE OWNER. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES. DETERMINE ROUGHING LOCATIONS FROM APPROVED SHOP DRAWINGS. MINOR MODIFICATIONS OF LOCATIONS REQUIRED TO EFFECT SUCH COORDINATION SHALL BE MADE AT NO COST TO THE OWNER.
2. SPECIFICATIONS MAY REQUIRE WORK, EQUIPMENT, SYSTEMS, METHODS, ETC. THAT IS NOT INDICATED ON THE DRAWINGS.
3. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY TO EACH OTHER. WHERE DISCREPANCIES OR CONFLICTS OCCUR, THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY METHOD IN HIS PROPOSAL UNLESS CLARIFIED BY BULLETIN OR ADDENDUM ACKNOWLEDGED PRIOR TO RECEIPT OF BIDS.
4. DRAWINGS SHALL NOT BE SCALED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND REQUIREMENTS OF THE WORK. ALTHOUGH SIZE AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY INFORMATION AT THE PROJECT SITE.
5. THE OWNER WILL OCCUPY THE SITE AND EXISTING BUILDING[S] DURING THE ENTIRE CONSTRUCTION PERIOD. COOPERATE WITH THE OWNER DURING CONSTRUCTION OPERATIONS TO AVOID ANY CONFLICTS. PERFORM THE WORK SO AS NOT TO INTERFERE WITH THE OWNER'S OPERATIONS. SCHEDULE ALL POWER OUTAGES FOR OVERTIME ON SUNDAYS AND HOLIDAYS AT NO ADDITIONAL COST TO THE OWNER.
6. EXISTING PROJECT CONDITIONS INDICATED ARE BASED ON CASUAL FIELD OBSERVATION AND ARE INTENDED TO INDICATE THE SCOPE OF THE WORK AFFECTED BY THIS PROJECT.
7. THE TERM "OTHERS" SHALL BE UNDERSTOOD TO MEAN CONTRACTORS, SUBCONTRACTORS OR TRADESMEN ON THE PROJECT PERFORMING WORK ON THIS PROJECT UNDER SECTIONS OR DIVISIONS OTHER THAN DIVISION 16 - ELECTRICAL WORK.
8. MAKE ALL MODIFICATIONS NECESSARY TO EXISTING PANELBOARDS TO ACCEPT NEW CIRCUITS.
9. EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD.
10. DISCONNECT AND REMOVE FROM THE PREMISES, OR STORE ON THE PREMISES IF REQUESTED BY THE OWNER, ALL EQUIPMENT FIXTURES, DEVICES, RACEWAY, WIRING, CABLE, SUPPORTING DEVICES, ETC. REMOVED OR ABANDONED AS A RESULT OF THIS WORK. MAKE SAFE ALL WIRING AND CABLE WHICH MUST REMAIN IN SERVICE.
11. ALL PENETRATIONS IN FOUNDATION WALLS AND FLOORS INCLUDING SLAB PENETRATIONS SHALL BE SUBSTANTIALLY SEALED BY UTILIZING A NON-CRACKING POLYURETHANE OR SIMILAR CAULK OR EQUIVALENT TO CLOSE OFF THE SOIL GAS ENTRY ROUTES. ALL CONDUITS IN THE SPACE BELOW THE FOUNDATION FLOOR WHICH PENETRATE THESE BARRIERS SHALL HAVE THREADED OR SOLVENTED FITTINGS.
12. ALL NEW RACEWAY, WIRING AND CABLE IN NEW AND EXISTING FINISHED SPACES SHALL BE RUN CONCEALED UNLESS OTHERWISE INDICATED; CUT AND PATCH AS REQUIRED. PROVIDE PULLBOXES, SIZE AND TYPE AS REQUIRED.
13. ALL WIRING SHALL BE COPPER CONDUCTOR WITH 600 VOLTS INSULATION IN METAL RACEWAY WITH APPROVED FITTINGS UNLESS OTHERWISE INDICATED.
14. INTERIOR FEEDERS AND BRANCH CIRCUITS IN RACEWAY: TYPE THHN 90 DEGREE C.
15. DO NOT INSTALL CONDUCTORS, WIRES OR CABLES OF ANY OTHER SYSTEM IN THE SAME RACEWAY OR CABLE WITH FIRE ALARM POWER SUPPLY CIRCUITS, NON-POWER LIMITED FIRE ALARM CIRCUITS OR POWER LIMITED FIRE ALARM CIRCUITS.
16. TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS LARGER THAN #10 AWG SHALL BE MADE WITH BURNDY "INSUL-TAP" TYPE BIPC, OR APPROVED EQUAL, INSULATION PIERCING CONNECTORS OR BURNDY "HYLUG", OR APPROVED EQUAL, COMPRESSION SPLICES.
17. TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS #10 AWG AND SMALLER SHALL BE MADE WITH IDEAL MODELS 410, 411 AND 412 CRIMP CONNECTORS, OR APPROVED EQUAL, WITH MODELS 415 OR 417 INSULATED CAPS.
18. CONNECTIONS TO FIXTURE AND MOTOR LEADS #10 AWG AND SMALLER SHALL BE MADE WITH 3M "SCOTCHLOK" PRE-INSULATED SPRING PRESSURE CONNECTORS TYPES Y, R OR G OR APPROVED EQUAL.
19. STRANDED WIRING CONDUCTORS SHALL BE MADE UP TO SCREW TERMINALS WITH 3M, T&B OR PANDUIT LOCKING FORK CRIMP TERMINALS WITH NYLON INSULATED GRIPS.
20. UNLESS OTHERWISE INDICATED: ALL CONTROL, INTERLOCK AND TEMPERATURE CONTROL WIRING FOR HVAC EQUIPMENT AND SYSTEMS SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE DIVISION 15 AUTOMATIC TEMPERATURE CONTROL CONTRACTOR; ALL CONTROL AND INTERLOCK WIRING FOR PLUMBING EQUIPMENT AND SYSTEMS SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE DIVISION 16 ELECTRICAL CONTRACTOR; ALL ELECTRICAL POWER WIRING TO CONTROL PANELS, MOTOR STARTERS AND MOTORS SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE DIVISION 16 ELECTRICAL CONTRACTOR; ALL CONTROL AND INTERLOCK WIRING FROM AUTOMATIC TEMPERATURE CONTROL PANELS TO CONTROLLED OR INTERLOCKED DEVICES SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE DIVISION 15 AUTOMATIC TEMPERATURE CONTROL CONTRACTOR; REFER TO DIVISION 15 DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
21. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND INSTALLATION DETAILS AND VERIFY ALL MANUFACTURER'S REQUESTS PRIOR TO ANY SUBMISSION FOR CONSIDERATION BY THE ARCHITECT, ENGINEER OR OWNER.
22. WIRING RUNS INDICATED ON THE DRAWINGS EXPRESS THE INTENT OF CIRCUIT ASSIGNMENT AND SWITCH CONTROL. ACTUAL WIRING METHODS USED SHALL BE SUITED FOR THE CONSTRUCTION OF THE BUILDING. REFER TO DRAWINGS OF OTHER TRADES AND EXISTING CONDITIONS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. NUMBER OF CONDUCTORS IS NOT ALWAYS INDICATED
23. PROVIDE DISCONNECTS FOR ALL APPLIANCES, EQUIPMENT, MOTORS AND CONTROLLERS.
24. INSTALL MOTOR STARTERS, CONTROLLERS OR COMBINATION STARTERS FURNISHED FOR EACH MOTOR. LOCATE AS DIRECTED IN THE FIELD.
25. PROVIDE UN-SWITCHED 125 VOLT 20 AMP RECEPTACLE OUTLETS LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF ALL HEATING, AIR-CONDITIONING AND REFRIGERATION EQUIPMENT UNLESS OTHERWISE NOTED.
26. ROUTE RACEWAYS THROUGH ROOF USING DEDICATED ROOF JACKS OR PITCH POCKETS. RUN RACEWAY ON ROOF ON DEDICATED ROOF SUPPORTS EIGHT INCHES HIGH MINIMUM.
27. A CONTRACTOR MAKING A BID FOR WORK ON THIS PROJECT IS MADE AWARE BY THIS NOTE THAT IT IS THE INTENT OF THE OWNER TO HAVE A COMPLETELY INSTALLED JOB. THE CONTRACTOR MAKING A BID FOR THIS WORK WARRANTS THAT HE WILL COMPLETE AND WIRE, PROVIDING ALL NECESSARY ELECTRICAL WORK FOR EQUIPMENT SHOWN AND / OR DETAILED ON ANY PROJECT DRAWINGS OR SPECIFICATIONS AND NOT JUST THOSE COMMONLY REFERRED TO AS A SINGLE TRADE DRAWING UNLESS SPECIFICALLY IDENTIFIED ELSEWHERE AS WORK OF OTHER TRADES. WHERE EQUIPMENT REQUIRING WIRING IS SPECIFIED OR SHOWN ON DRAWINGS OTHER THAN ELECTRICAL DRAWINGS, OR INDICATED, OR IMPLIED, SUCH AS ON SHOP DRAWINGS SUBMITTED LATER, THE CONTRACTOR CAN AND SHALL REQUEST DIRECTION REGARDING CIRCUIT SIZING PROTECTION AND ROUTING WHERE NECESSARY BUT SHALL UNDERSTAND ALL NECESSARY WORK TO COMPLETE THE INSTALLATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER OR PROJECT.

28 ALL NEW CONSTRUCTION AND RENOVATION WORK SHOWN ON THE DRAWINGS AND CONTAINED IN THE SPECIFICATIONS (UNLESS OTHERWISE NOTED AS "NOT IN CONTRACT" OR "N.I.C.") IS THE RESPONSIBILITY OF THE SINGLE PRIME GENERAL CONTRACTOR. REFERENCES TO SPECIFIC TRADE SUBCONTRACTORS (PLUMBING, MECHANICAL, ELECTRICAL, ETC.) ARE PROVIDED TO ASSIST THE SINGLE PRIME GENERAL CONTRACTOR IN THE DELINEATION OF SUBCONTRACTOR WORK. THE SINGLE PRIME GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DELINEATION OF ITS SUBCONTRACTORS' WORK AND THEREFORE SHALL NOT RELY ON SPECIFIC TRADE REFERENCES SHOWN ON THE CONTRACT DOCUMENTS.

ELECTRICAL ABBREVIATIONS

A/AMP	AMPERE	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AUTO	AUTOMATIC	MCB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAUGE	MC	MOTOR CONTROLLER
C	CONDUIT	MCM	THOUSAND CIRCULAR MILS
CB	CIRCUIT BREAKER	MECH	MECHANICAL
CKT	CIRCUIT	MER	MECHANICAL EQUIPMENT ROOM
CLG	CEILING	MAX	MAXIMUM
CO	CONDUIT ONLY	MIN	MINIMUM
COMM	COMMUNICATION	MTD	MOUNTED
CU	COPPER	MTS	MANUAL TRANSFER SWITCH
DEG	DEGREE	N	NEUTRAL
°C	DEGREE CELSIUS	NIC	NOT IN CONTRACT
°F	DEGREE FAHRENHEIT	NTS	NOT TO SCALE
DIA	DIAMETER	OC	ON CENTER
DISC	DISCONNECT	P	POLE
DN	DOWN	PB	PULLBOX
DP	DISTRIBUTION PANEL BOARD	Ø	PHASE
DWG	DRAWING	PNL	PANEL
(E)	EXISTING TO REMAIN	PWR	POWER
EA	EACH	RECEPT	RECEPTACLE
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
ELEC	ELECTRICAL	SCHED	SCHEDULE
EM	EMERGENCY	SECT	SECTION
EQUIP	EQUIPMENT	SP	SINGLE POLE
ER	EXISTING TO BE REMOVED	SPEC	SPECIFICATION
FA	FIRE ALARM	SW	SWITCH
FBO	FURNISHED BY OTHER	SWBD	SWITCHBOARD
FDR	FEEDER	SYS	SYSTEMS
FIXT	FIXTURE	SYM	SYMMETRICAL
FL	FLOOR	TEL	TELEPHONE
FLUOR	FLUORESCENT	TEMP	TEMPERATURE
FT	FEET OR FOOT	TYP	TYPICAL
G	GROUND	UON	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPTER	V	VOLT OR VOLTAGE
HP	HORSEPOWER	VA	VOLT AMPERE
HZ	HERTZ	VAV	VARIABLE AIR VOLUME
JB	JUNCTION BOX	VFD	VARIBLE FREQUENCY DRIVE
KV	KILOVOLT	VP	VAPORPROOF
KVA	KILOVOLT AMPERE	W	WATT
KW	KILOWATT	WP	WEATHERPROOF

ELECTRICAL CONTRACTOR NOTES

1. THE ELECTRICAL DRAWINGS HAVE BEEN PREPARED BASED ON LIMITED AVAILABLE INFORMATION REGARDING EXISTING SITE CONDITIONS. THE DESIGN INTENT IS DIAGRAMMATIC AND MAY NOT REFLECT ALL ACTUAL FIELD CONDITIONS. IT IS ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY ALL INFORMATION PRIOR TO PROVIDING BID OR PERFORMING WORK.
2. THE ELECTRICAL CONTRACTOR (E.C.) SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, EQUIPMENT LOCATIONS, AND AVAILABLE UTILITIES PRIOR TO BIDDING AND COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER/ARCHITECT PRIOR TO PROCEEDING OR BIDDING.
3. THE E.C. SHALL COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS, AS WELL AS WITH ALL OTHER TRADES. CONFLICTS SHALL BE RESOLVED PRIOR TO INSTALLATION.
4. THE E.C. SHALL VERIFY THE LOCATION AND QUANTITY OF ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES IN THE FIELD. IF ADDITIONAL RECEPTACLES OR DEVICES ARE REQUIRED TO MEET APPLICABLE CODE REQUIREMENTS, THE E.C. SHALL NOTIFY THE ENGINEER/ARCHITECT PRIOR TO CONSTRUCTION. FAILURE TO IDENTIFY SUCH REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK SHALL RESULT IN THE E.C. PROVIDING AND INSTALLING ALL REQUIRED DEVICES AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS, SPECIFICATIONS, AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. SUBMISSION OF A BID SHALL CONSTITUTE FULL UNDERSTANDING OF THE PROJECT SCOPE AND REQUIREMENTS.

LOW VOLTAGE CODES AND STANDARDS

1. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), APPLICABLE LOCAL CODES, AND THE AUTHORITY HAVING JURISDICTION (AHJ).
2. LOW VOLTAGE PATHWAYS, SPACES, AND SUPPORTING INFRASTRUCTURE SHALL COMPLY WITH NEC ARTICLE 800 (COMMUNICATIONS CIRCUITS).
3. ACCESS CONTROL SYSTEM PATHWAYS SHALL COMPLY WITH NEC ARTICLE 725 (CLASS 1, CLASS 2, AND CLASS 3 REMOTE-CONTROL, SIGNALING, AND POWER-LIMITED CIRCUITS).
4. NETWORK-POWERED DEVICES UTILIZING POWER OVER ETHERNET (POE) SHALL COMPLY WITH NEC ARTICLE 840
5. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRESTOPPED IN ACCORDANCE WITH NEC 300.21, APPLICABLE BUILDING CODE REQUIREMENTS, AND LISTED FIRESTOP SYSTEMS.
6. INSTALLATION SHALL COMPLY WITH ALL MANUFACTURER REQUIREMENTS FOR THE SPECIFIED EQUIPMENT.
7. WHERE CONFLICTS EXIST BETWEEN CODES, STANDARDS, OR MANUFACTURER REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

MOUNTING HEIGHTS

SYMBOLS	DESCRIPTION
10'-0"	EMERGENCY BATTERY UNITS (OR 1'-0" BELOW CLG)
90" TO 6" BELOW CLG	FIRE ALARM AUDIBLE ALARM SIGNALS
7'-6" TO 8'-0"	FIRE ALARM COMBINATION ALARM SIGNALS
7'-0" TO 8'-0"	FIRE ALARM VISUAL SIGNALS
6'-6"	TOP OF ELECTRICAL PANEL BOARDS (LIGHTING OR POWER)
6'-0"	TOP OF HIGHEST ELECTRICAL DISCONNECT SWITCH ORSTARTER
4'-0"	TOP OF WALL MOUNTED DEVICES SUCH AS LIGHT SWITCHES, MANUAL MOTOR STARTERS, THERMOSTATS, FIRE ALARM PULLSTATIONS, ETC.
4'-0"	TOP OF WALL MOUNTED WIREMOLD (U.N.O.)
2'-0"	BOTTOM OF RECEPTACLES IN MECHANICAL ROOMS AND EXTERIOR OF BUILDING.
1'-6"	BOTTOM OF RECEPTACLES, TELEPHONE/TELEDATA OUTLETS, TELEVISION JACKS, ETC
0'-0"	FINISHED FLOOR ELEVATION.

ELECTRICAL SYMBOL LIST

GFI/UC/AC — 20A, 125V DUPLEX RECEPTACLE (NEMA 5-20R) - FLUSH WALL MOUNTED
GFI = GROUND FAULT INTERRUPTOR, UC = UNDERCOUNTER, AC = ABOVE COUNTER

20A, 125V FLOOR MOUNTED DUPLEX RECEPTACLE, SIMILAR TO EVOLUTION 6AT BY LEGRAND
GFI = GROUND FAULT INTERRUPTOR

J / J — CEILING / WALL MOUNTED JUNCTION BOX

20A, 125V QUADRUPLEX RECEPTACLE (NEMA 5-20R) - FLUSH WALL MOUNTED

DATA OUTLET LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
X = 1,2,3,4 = NUMBER OF DATA POINTS

3 / UP- — POWER OR LIGHTING CIRCUITRY HOMERUN WITH PANELBOARD DESIGNATION, NUMERAL WHERE USED INDICATES CIRCUIT NUMBER. IT SHALL CONSISTS OF 1#12 Ø, 1#12 N. & 1#12 G. IN 3/4"C, UNLESS OTHERWISE NOTED.

EQUIPMENT POWER CIRCUITRY HOMERUN WITH PANELBOARD DESIGNATION, REFER TO PANELBOARD FOR EXACT WIRE AND CONDUIT SIZES.

SURFACE MOUNTED PANELBOARD

CEILING MOUNTED EXIT SIGN WITH DUAL HEAD EMERGENCY LIGHT AND 90 MIN. BATTERY BACKUP

M — SENSOR SENSOR BUILT IN WALL SWITCH. MAESTRO SERIES BY LUTRON. AUTOMATIC ON TO 50% POWER AND AUTOMATICALLY OFF. LUTRON MODEL #MS-OPS5AM. WALL MOUNTED IN 1-GANG CLARO FACEPLATE. LIGHTING FIXTURE WIRED TO SWITCH

PP — ON/OFF RELAY MODULE CONTROLLED BY WIRED MOTION SENSOR LUTRON 16A POWER PACK COMPATIBLE WITH WIRED SENSOR MODEL #LOS-CDT-2000R-WH. ADD ADDITIONAL POWER PACK TO ENERGIZE SENSORS IF MORE THAN 3 SENSORS ARE SHOWN ON THE PLAN. ADD ADDITIONAL POWER PACK IN PARALLEL IF LIGHTING LOAD OF CONNECTED LUMINARIES EXCEED 16A. FIELD VERIFY CONNECTED LOADS.

3 / a — ALL SWITCHES TO BE DIMMER TYPE.
3 = THREE WAY
a = LIGHTING SWITCH ZONING. IF NOT PROVIDED, THAT SWITCH SHALL CONTROL ALL THE LIGHTING IN THAT AREA.

S — WALL MOUNTED DIMMER ON/OFF SENSOR SWITCH CONNECTED DOWNSTREAM OF AUTO SHUT-OFF (ON/OFF RELAY MODULE). REFER TO LIGHTING PLAN TO SEE LOCATIONS. LOWER CASE LETTER DENOTES SWITCHING GROUPS/ ELECTRICAL CONTRACTOR SHALL PROVIDE 2-WAY,3-WAY OR 4-WAY IF MORE THAN ONE WALL SWITCH IS SHOWN TO CONTROL A SPECIFIC GROUP

OS — CEILING MOUNTED OCCUPANCY SENSOR. WIRED LUTRON OCCUPANCY SENSOR MODEL #LOS-CDT-2000R-WH DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED (PIR) MOTION OR APPROVED SIMILAR

LIGHTING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CONFIRM VOLTAGE OF ALL LIGHTING FIXTURES PRIOR TO ROUGH IN.
2. ALL PENDANT CABLE MOUNTED LIGHTING FIXTURES SHALL HAVE THE FEED CORDS THAT ARE TO BE TIGHT TO CABLE AND SECURED BY TIE WRAPS TO MATCH CORD COLOR OR SOME OTHER NEAT DISCREET METHOD.
3. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO VERIFY AND COORDINATE CEILING CONDITION WITH FIXTURE TRIM SPECIFIED.
4. INSTALLING CONTRACTOR TO PROVIDE ALL THE NECESSARY HARDWARE, SUPPORT AND BLOCKING TO SECURE RECESSED FIXTURE TO CEILING STRUCTURE.
5. ELECTRICAL CONTRACTOR TO PROVIDE ALL THE NECESSARY ELECTRICAL COMPONENTS, FEEDS, JOINERS, END CAPS AND ANY OTHER REQUIRED HARDWARE NECESSARY FOR A PROPER CODE COMPLIANT INSTALLATION.
6. LIGHTING FIXTURE DRIVERS ARE TO BE AS SPECIFIED TO ADHERE TO REQUIRED CODES.
7. LIGHTING FIXTURE EMERGENCY BATTERY DRIVERS ACCEPTABLE MANUFACTURERS ARE IOTA AND BODINE. EMERGENCY LUMEN OUTPUT MUST BE AS SPECIFIED.
8. ALL SUBSTITUTIONS MUST HAVE ORIGINAL CATALOG SHEETS WITH FULL ITL PHOTOMETRIC INFORMATION AND COMPUTER GENERATED CALCULATIONS OF ACTUAL SPACES WHERE FIXTURE IS USED.

LIGHTING SYMBOL LIST

SYMBOLS	DESCRIPTION
A-1	48"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-2	72"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-3	96"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
A-4	36"X2" GRID MOUNTED LINEAR LIGHT FIXTURE
B	72"X2" SUSPENDED LINEAR LIGHT FIXTURE - MH - 8'-0"
B-1	48"X2" SUSPENDED LINEAR LIGHT FIXTURE - MH - 8'-0"
C-1	96"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-2	48"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-3	24"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
C-4	36"X2" LINEAR LIGHT FIXTURE MOUNTED IN WOOD CEILING SLOTS
D	24"X24" CEILING GRID MOUNTED LIGHT FIXTURE
E	INDICATES EXISTING LIGHT FIXTURE TO REMAIN
ER	INDICATES EXISTING RELOCATED LIGHT FIXTURE
F	SAME AS "F" EXCEPT MOUNT HEIGHT (MH): 9'-0"
F-1	PENDANT LIGHT FIXTURE, EXCEPT COLOR - WHITE
J	2'-0"X2'-0" PENDANT LIGHT FIXTURE- MH - 8'-6"
H	4"X2'-0" SUSPENDED LIGHT FIXTURE
H-1	1"X4'-0" SUSPENDED LIGHT FIXTURE
K	DECORATIVE PENDANT OVER STAIR
K-1	SAME AS FIXTURE TYPE "K" EXCEPT MOUNT HEIGHT (MH): 6'-0"
L	8' LONG UPLIGHTS - WALL MOUNTED FIXTURE
N	8' LONG UP/DOWN WALL MOUNTED FIXTURE - LOCATED AT SAME ELEVATION AS EXT. UP/DN FIXTURE
P	DOWNLIGHT
Q	DECORATIVE PENDANT - MH - 8'-0"
R	DECORATIVE PENDANT - MH - 7'-6"
S	2'-0"X2'-0" PENDANT LIGHT FIXTURE- MH - 8'-0"
T	6' OVAL RING OVER SEATING AREA- MH - 7'-0"
U	EXTERIOR WALL MOUNTED FIXTURE
Y	EXTERIOR BACKYARD PERGOLA LIGHT FIXTURE
Z	EXTERIOR BACKYARD LIGHT FIXTURE

LIGHTING SCHEDULE

Type	Manufacturer	Input Wattage	Mounting	Voltage	Description
A-1	Ledalite	23.5	Recessed	120-277v	Linear Recessed LED Fixture 4' Long 1.75" Wide with Trim for Gyp Ceiling
A-2	Ledalite	35.3	Recessed	120-277v	Linear Recessed LED Fixture 6' Long 1.75" Wide with Trim for Gyp Ceiling
A-3	Ledalite	47.0	Recessed	120-277v	Linear Recessed LED Fixture 8' Long 1.75" Wide with Trim for Gyp Ceiling
A-4	Ledalite	17.6	Recessed	120-277v	Linear Recessed LED Fixture 3' Long 1.75" Wide with Trim for Gyp Ceiling
B	Ledalite	53.3	Suspended	120-277v	Linear Suspended Direct/Indirect LED Fixture 6'
B-1	Ledalite	35.5	Suspended	120-277v	Linear Suspended Direct/Indirect LED Fixture 4'
C-1	Ledalite	47.0	Recessed	120-277v	Linear Recessed LED Fixture 8' Long 1.75" Wide with Trim for Ceiling
C-2	Ledalite	23.5	Recessed	120-277v	Linear Recessed LED Fixture 4' Long 1.75" Wide with Trim for Ceiling
C-3	Ledalite	11.8	Recessed	120-277v	Linear Recessed LED Fixture 2' Long 1.75" Wide with Trim for Ceiling
C-4	Ledalite	15.7	Recessed	120-277v	Linear Recessed LED Fixture 3' Long 1.75" Wide with Trim for Ceiling
D	Ledalite	14.0	Recessed	120-277v	Architectural Recessed 2x2 LED Lay In Troffer
E					Existing Fixtures to Remain in Place
ER					Existing Fixtures to be Relocated
F	Lightolier	27.7	Suspended	120-277v	4" Diameter Suspended LED Pendant
F-1	Lightolier	27.7	Suspended	120-277v	4" Diameter Suspended LED Pendant
H	DayBrite	31.1	Surface	120-277v	Surface Mount 2' LED Strip
H-1	DayBrite	31.1	Surface	120-277v	Surface Mount 4' LED Strip
J	Ledalite	38.8	Suspended	120-277v	Suspended 2x2 Pendant Highbay LED Fixture
K	Black Jack	28.0	pendant	120-277v	Suspended Pendant LED Fixture
K-1	Black Jack	28.0	pendant	120-277v	Suspended Pendant LED Fixture
L	Ledalite	59.5	Wall Mounted	120-277v	Linear Indirect Wall Mounted LED Fixture
N	Ledalite	39.5	Wall Mounted	120-277v	Linear Direct/Indirect Wall Mounted LED Fixture
P	Lightolier	17.4	Recessed	120-277v	Recessed 6" LED Downlight Fixture
Q	ROTOR	60.0	pendant	120-277v	Suspended LED Ring Pendant
R	Intra Lighting	60.0	pendant	120-277V	Suspended Dome LED Fixture
S	Ledalite	38.8	pendant	120-277V	Suspended 2x2 Pendant Highbay LED Fixture
T	Coronet	100.0	pendant	120-277V	Suspended LED Ring Pendant
U	Gardco	47.0	Wall Mounted	120-277V	Exterior Wall Mounted LED DarkSky Flood Light
XW	Chloride	3.0	Wall Mounted	120-277V	1 Faced Universal Mounted LED Exit Sign
XC	Chloride	3.0	Ceiling Mounted	120-277V	2 Faced Universal Mounted LED Exit Sign
XD	Chloride	3.0	Universal Mount	120-277V	1 Faced Universal Mounted LED Exit Sign
Y	Tegan	40.0	Monopoint	120-277V	Exterior Monopoint LED Fixture
Z	Lumec	114.5	Area Light	120-277V	Pole Top LED Area Light

REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING FIXTURE DETAILS AND SPECIFICATIONS

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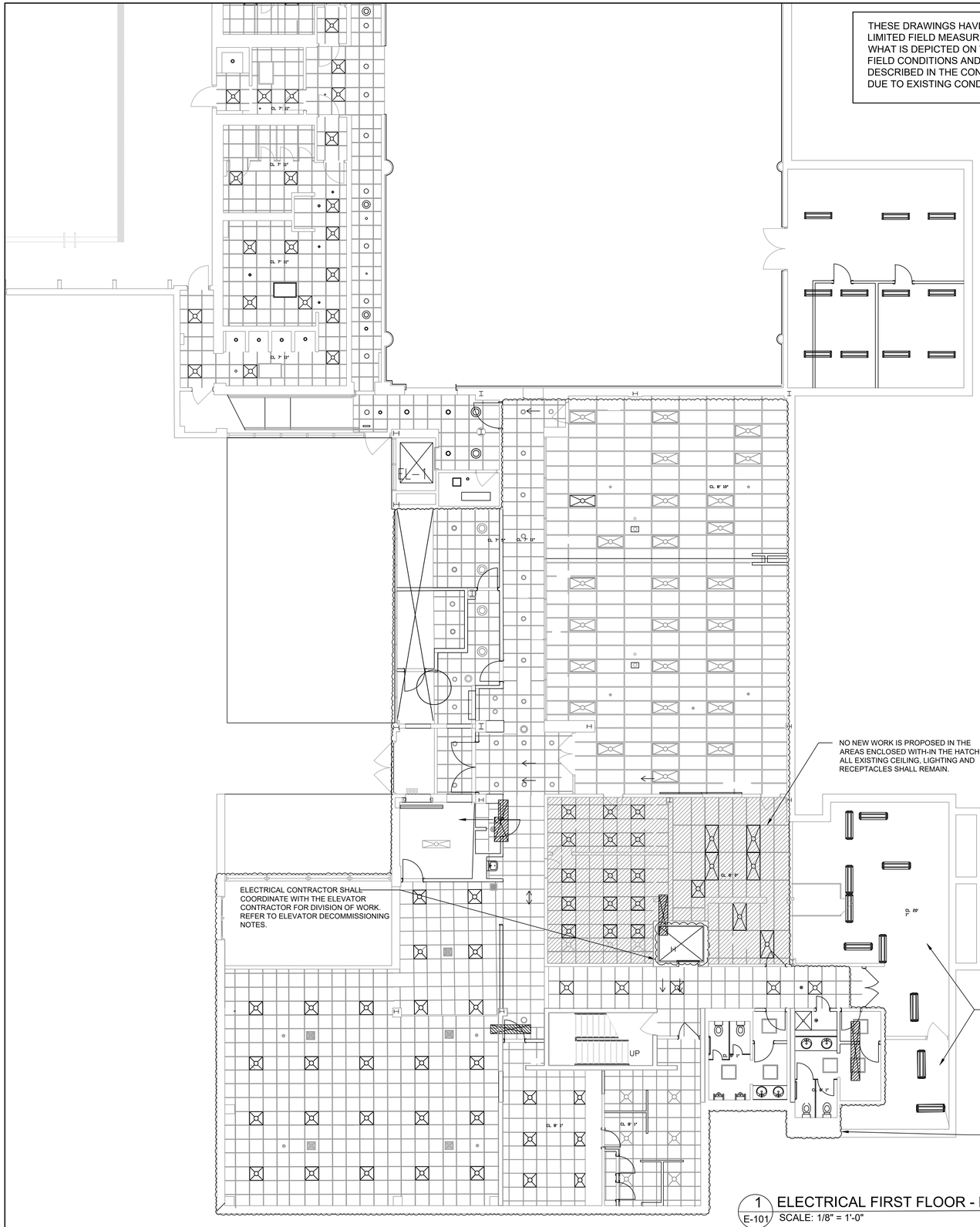
ELECTRICAL COVER SHEET

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-001



1 E-101 ELECTRICAL FIRST FLOOR - DEMO PLAN
SCALE: 1/8" = 1'-0"

THESE DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND LIMITED FIELD MEASUREMENTS. ACTUAL FILED CONDITION MAY VARY FROM WHAT IS DEPICTED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND NOTIFY THE ENGINNER IN WRITING OF ANY WORK DESCRIBED IN THE CONTRACT DOCUMENTS WHICH CANNOT BE PERFORMED DUE TO EXISTING CONDITIONS.

GENERAL DEMO NOTES

1. ALL ELECTRICAL DEMOLITION WORK SHALL BE COORDINATED WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO START OF DEMOLITION WORK. ALL EXISTING ELECTRICAL POWER, RECEPTACLES & TELEPHONE OUTLETS & CIRCUITS TRACED & IDENTIFIED.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL CONDITIONS PRIOR TO DEMOLITION. REMOVE EXISTING ELECTRICAL EQUIPMENT, DEVICES, RACEWAYS, AND WIRING AS INDICATED ON DRAWINGS AND AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DEMOLITION DRAWINGS AND OTHER TRADES.
3. ALL EXISTING ELECTRICAL DEVICES LOCATED ON WALLS RECEIVING NEW WALL LAMINATIONS (E.G., GWB, FURRING, OR OTHER FINISHES) SHALL BE ADJUSTED TO REMAIN FLUSH WITH THE NEW FINISHED WALL SURFACE. THIS INCLUDES EXTENDING OUTLET BOXES, RELOCATING DEVICES, AND MODIFYING ASSOCIATED CONDUIT AND WIRING AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF SUCH WALL FINISHES.
4. SURFACE-MOUNTED CONDUIT AND DEVICES SHALL BE REMOVED AND REINSTALLED OR EXTENDED AS NECESSARY TO ACCOMMODATE THE NEW WALL THICKNESS. PROVIDE BOX EXTENSIONS, CONDUIT OFFSETS, AND FITTINGS AS REQUIRED. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND MAINTAIN EXISTING CIRCUIT INTEGRITY.
5. E.C SHALL REMOVE ALL UNUSED AND ABANDONED ELECTRICAL DEVICES AND RETURN TO OWNER.
6. WHERE EXISTING RECEPTACLES OR ELECTRICAL DEVICES ARE INDICATED TO BE RELOCATED, CONTRACTOR SHALL DISCONNECT, EXTEND, AND RECONNECT EXISTING BRANCH CIRCUIT WIRING AS REQUIRED TO SERVE THE NEW DEVICE LOCATION. PROVIDE NEW RACEWAYS, JUNCTION BOXES, AND CONDUCTORS AS NECESSARY. MAINTAIN EXISTING CIRCUITING UNLESS OTHERWISE NOTED. PATCH AND REPAIR EXISTING WALL SURFACES AND REMOVE ABANDONED RACEWAYS AND BOXES NOT REUSED. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO RELOCATION. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.
7. REMOVE EXISTING LIGHTING FIXTURES INDICATED FOR DEMOLITION, INCLUDING ASSOCIATED MOUNTING HARDWARE, WIRING, AND SUPPORTS. DISCONNECT BRANCH CIRCUIT CONDUCTORS AND MAKE SAFE. PATCH CEILING SURFACES WHERE FIXTURES ARE REMOVED AND NOT REPLACED.
8. EXISTING LIGHTING FIXTURES INDICATED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. REPAIR OR REPLACE ANY FIXTURES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
9. WHERE LIGHTING FIXTURES ARE INDICATED TO BE RELOCATED, CAREFULLY REMOVE, STORE, AND REINSTALL FIXTURES AT THE NEW LOCATION. EXTEND BRANCH CIRCUIT WIRING AND RACEWAYS AS REQUIRED TO SERVE THE NEW LOCATION.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE REMOVAL AND REINSTALLATION OF LIGHTING FIXTURES, DEVICES, AND CEILING-MOUNTED EQUIPMENT WITH CEILING DEMOLITION AND REPLACEMENT WORK. PROVIDE TEMPORARY SUPPORT FOR WIRING AND EQUIPMENT DURING CONSTRUCTION.
11. WHERE CEILING FINISHES ARE REPLACED OR MODIFIED, ADJUST MOUNTING HEIGHTS OF EXISTING CEILING DEVICES (LIGHTING FIXTURES, SENSORS, SPEAKERS, ETC.) TO SUIT NEW CEILING SYSTEM.
12. DISCONNECT AND REMOVE SUMP PUMP, CONTROLS, ALARMS, AND ASSOCIATED WIRING AND RACEWAYS. TRACE WIRING BACK TO SOURCE AND REMOVE WHERE ACCESSIBLE; OTHERWISE CAP IN ACCESSIBLE JUNCTION BOX. COORDINATE WORK IN PIT AND MAINTAIN SAFE CONDITIONS.
13. DISCONNECT AND REMOVE ELECTRICAL CONNECTIONS SERVING EQUIPMENT INDICATED FOR DEMOLITION, INCLUDING WIRING, RACEWAYS, DISCONNECTS, STARTERS, AND CONTROLS. TRACE WIRING BACK TO SOURCE AND REMOVE WHERE ACCESSIBLE. COORDINATE WITH MECHANICAL CONTRACTOR.
14. PROTECT ELECTRICAL CONNECTIONS SERVING EQUIPMENT TO REMAIN. REPAIR ANY DAMAGE CAUSED DURING DEMOLITION.
15. COORDINATE REMOVAL OR MODIFICATION OF CONTROL WIRING AND DEVICES WITH CONTROLS CONTRACTOR. MAINTAIN OPERATION OF SYSTEMS SERVING EQUIPMENT TO REMAIN.
16. PROVIDE TEMPORARY POWER AS REQUIRED TO MAINTAIN OPERATION OF CRITICAL SYSTEMS DURING DEMOLITION.

ELEVATOR DECOMMISSIONING NOTES

1. GENERAL COORDINATION
   - 1.1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL CONDITIONS PRIOR TO DEMOLITION.
   - 1.2. COORDINATE ALL ELECTRICAL DEMOLITION ASSOCIATED WITH ELEVATOR REMOVAL WITH THE ELEVATOR CONTRACTOR AND GENERAL CONTRACTOR.
   - 1.3. SCHEDULE SHUTDOWN OF ELEVATOR POWER, CONTROLS, AND ASSOCIATED SYSTEMS PRIOR TO DEMOLITION.
   - 1.4. EXISTING ELECTRICAL SYSTEMS SHOWN ARE BASED ON LIMITED INFORMATION; REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.
2. ELEVATOR EQUIPMENT ROOM
   - 2.1. DISCONNECT AND REMOVE ELECTRICAL FEEDERS, BRANCH CIRCUITS, AND CONTROL WIRING SERVING THE EXISTING ELEVATOR MOTOR, CONTROLLER, AND ASSOCIATED EQUIPMENT.
   - 2.2. REMOVE ELECTRICAL CONNECTIONS ASSOCIATED WITH ELEVATOR EQUIPMENT INCLUDING:
     - 2.2.1. MOTOR
     - 2.2.2. CONTROLLER
     - 2.2.3. DISCONNECT SWITCHES
     - 2.2.4. ASSOCIATED JUNCTION BOXES AND RACEWAYS
     - 2.2.5. TRACE CONDUCTORS BACK TO THE SOURCE PANELBOARD OR DISCONNECT SWITCH AND REMOVE WIRING WHERE ACCESSIBLE.
3. ELEVATOR SHAFT AND PIT
   - 3.1. DISCONNECT AND REMOVE ELECTRICAL WIRING, LIGHTING FIXTURES, AND ELECTRICAL DEVICES LOCATED WITHIN THE ELEVATOR SHAFT AND PIT THAT SERVE THE ELEVATOR SYSTEM.
   - 3.2. REMOVE ASSOCIATED RACEWAYS, JUNCTION BOXES, AND SUPPORTS NOT REQUIRED FOR NEW CONSTRUCTION.
   - 3.3. COORDINATE REMOVAL OF ELECTRICAL EQUIPMENT WITHIN THE HOISTWAY WITH THE ELEVATOR CONTRACTOR.
4. ELEVATOR LANDING DEVICES
   - 4.1. DISCONNECT AND REMOVE ELECTRICAL WIRING AND DEVICES SERVING ELEVATOR LANDING EQUIPMENT INCLUDING:
     - 4.1.1. CALL BUTTONS
     - 4.1.2. HALL LANTERNS
     - 4.1.3. POSITION INDICATORS
     - 4.1.4. ASSOCIATED CONTROL WIRING
     - 4.1.5. REMOVE RACEWAYS AND WIRING BACK TO THE NEAREST ACCESSIBLE JUNCTION BOX OR CONTROL PANEL.
     - 4.1.6. CIRCUIT AND RACEWAY REMOVAL
5. ABANDONED CIRCUITS
   - 5.1. CIRCUITS SERVING REMOVED ELEVATOR EQUIPMENT SHALL BE TRACED BACK TO THE ORIGINATING PANELBOARD.
   - 5.2. REMOVE CONDUCTORS WHERE ACCESSIBLE.
   - 5.3. WHERE CONDUCTORS CANNOT BE REMOVED, DISCONNECT AND CAP CONDUCTORS WITHIN AN ACCESSIBLE JUNCTION BOX WITH BLANK COVER.
6. ABANDONED RACEWAYS
   - 6.1. REMOVE ABANDONED RACEWAYS AND WIRING ASSOCIATED WITH DEMOLISHED ELEVATOR EQUIPMENT WHERE ACCESSIBLE.
   - 6.2. CONCEALED RACEWAYS WITHIN WALLS OR SLABS MAY REMAIN IF CONDUCTORS ARE REMOVED AND RACEWAYS ARE DISCONNECTED AT BOTH ENDS.
   - 6.3. LIFE SAFETY SYSTEM COORDINATION
7. FIRE ALARM AND MONITORING SYSTEMS
   - 7.1. COORDINATE REMOVAL OR MODIFICATION OF FIRE ALARM INTERFACE WIRING SERVING THE ELEVATOR RECALL SYSTEM WITH THE FIRE ALARM CONTRACTOR.
   - 7.2. MAINTAIN ALL LIFE SAFETY SYSTEMS OPERATIONAL DURING DEMOLITION AND CONSTRUCTION.
8. ELEVATOR EQUIPMENT ROOM
   - 8.1. REMOVE ELECTRICAL EQUIPMENT ASSOCIATED WITH THE ELEVATOR AND MAKE SAFE ALL CIRCUITS.
   - 8.2. PATCH AND REPAIR WALL AND CEILING SURFACES AT ELECTRICAL REMOVALS TO MATCH ADJACENT FINISHES.
9. FORMER ELEVATOR SHAFT
   - 9.1. COORDINATE REMOVAL OF ELECTRICAL EQUIPMENT PRIOR TO SHAFT INFILL AND SLAB INSTALLATION.
   - 9.2. REMOVE ALL ELECTRICAL WIRING AND EQUIPMENT SERVING THE ELEVATOR SYSTEM WITHIN THE SHAFT PRIOR TO BACKFILLING OPERATIONS.

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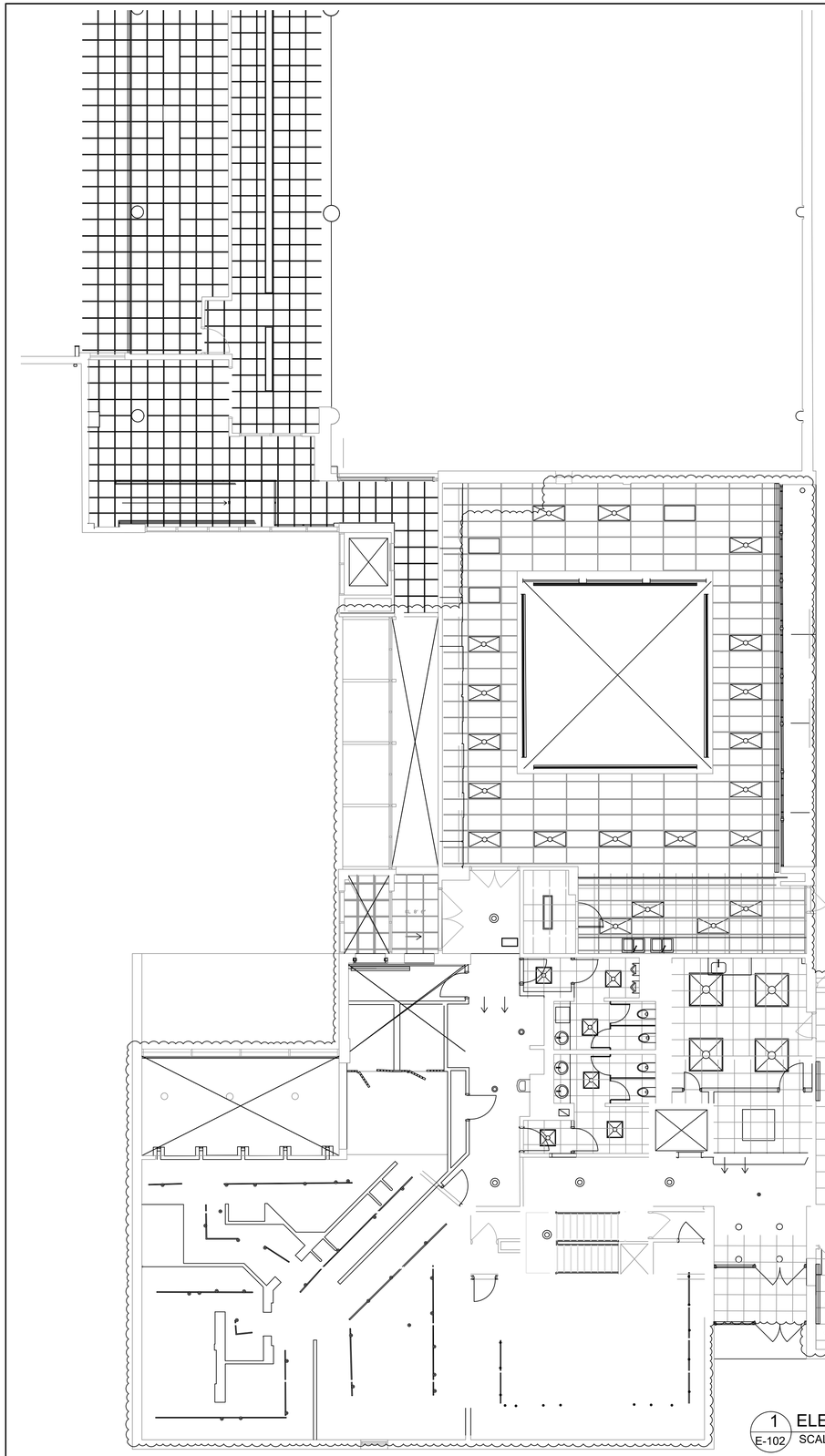
Drawing:
FIRST FLOOR DEMO PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-101



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ELECTRICAL CONTRACTOR SHALL REFER TO THE NEW PROPOSED LIGHTING PLAN TO LOCATE THE EXISTING LIGHTS THAT ARE BEING RELOCATED OR REUSED.

ELECTRICAL CONTRACTOR SHALL REMOVE ALL UNUSED AND ABANDONED ELECTRICAL DEVICES INCLUDING WIRING TO THE POINT OF ORIGIN. RESTORE POWER TO ALL DEVICES OUTSIDE THE WORK AREA THAT ARE AFFECTED DUE TO REMOVAL WORK. (TYPICAL)

1 E-102 ELECTRICAL SECOND FLOOR - DEMO PLAN
SCALE: 1/8" = 1'-0"

GENERAL DEMO NOTES

1. ALL ELECTRICAL DEMOLITION WORK SHALL BE COORDINATED WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO START OF DEMOLITION WORK. ALL EXISTING ELECTRICAL POWER, RECEPTACLES & TELEPHONE OUTLETS & CIRCUITS TRACED & IDENTIFIED.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL CONDITIONS PRIOR TO DEMOLITION. REMOVE EXISTING ELECTRICAL EQUIPMENT, DEVICES, RACEWAYS, AND WIRING AS INDICATED ON DRAWINGS AND AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DEMOLITION DRAWINGS AND OTHER TRADES.
3. ALL EXISTING ELECTRICAL DEVICES LOCATED ON WALLS RECEIVING NEW WALL LAMINATIONS (E.G., GWB, FURRING, OR OTHER FINISHES) SHALL BE ADJUSTED TO REMAIN FLUSH WITH THE NEW FINISHED WALL SURFACE. THIS INCLUDES EXTENDING OUTLET BOXES, RELOCATING DEVICES, AND MODIFYING ASSOCIATED CONDUIT AND WIRING AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF SUCH WALL FINISHES.
4. SURFACE-MOUNTED CONDUIT AND DEVICES SHALL BE REMOVED AND REINSTALLED OR EXTENDED AS NECESSARY TO ACCOMMODATE THE NEW WALL THICKNESS. PROVIDE BOX EXTENSIONS, CONDUIT OFFSETS, AND FITTINGS AS REQUIRED. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND MAINTAIN EXISTING CIRCUIT INTEGRITY.
5. E.C SHALL REMOVE ALL UNUSED AND ABANDONED ELECTRICAL DEVICES AND RETURN TO OWNER.
6. WHERE EXISTING RECEPTACLES OR ELECTRICAL DEVICES ARE INDICATED TO BE RELOCATED, CONTRACTOR SHALL DISCONNECT, EXTEND, AND RECONNECT EXISTING BRANCH CIRCUIT WIRING AS REQUIRED TO SERVE THE NEW DEVICE LOCATION. PROVIDE NEW RACEWAYS, JUNCTION BOXES, AND CONDUCTORS AS NECESSARY. MAINTAIN EXISTING CIRCUITING UNLESS OTHERWISE NOTED. PATCH AND REPAIR EXISTING WALL SURFACES AND REMOVE ABANDONED RACEWAYS AND BOXES NOT REUSED. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO RELOCATION. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.
7. REMOVE EXISTING LIGHTING FIXTURES INDICATED FOR DEMOLITION, INCLUDING ASSOCIATED MOUNTING HARDWARE, WIRING, AND SUPPORTS. DISCONNECT BRANCH CIRCUIT CONDUCTORS AND MAKE SAFE. PATCH CEILING SURFACES WHERE FIXTURES ARE REMOVED AND NOT REPLACED.
8. EXISTING LIGHTING FIXTURES INDICATED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. REPAIR OR REPLACE ANY FIXTURES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
9. WHERE LIGHTING FIXTURES ARE INDICATED TO BE RELOCATED, CAREFULLY REMOVE, STORE, AND REINSTALL FIXTURES AT THE NEW LOCATION. EXTEND BRANCH CIRCUIT WIRING AND RACEWAYS AS REQUIRED TO SERVE THE NEW LOCATION.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE REMOVAL AND REINSTALLATION OF LIGHTING FIXTURES, DEVICES, AND CEILING-MOUNTED EQUIPMENT WITH CEILING DEMOLITION AND REPLACEMENT WORK. PROVIDE TEMPORARY SUPPORT FOR WIRING AND EQUIPMENT DURING CONSTRUCTION.
11. WHERE CEILING FINISHES ARE REPLACED OR MODIFIED, ADJUST MOUNTING HEIGHTS OF EXISTING CEILING DEVICES (LIGHTING FIXTURES, SENSORS, SPEAKERS, ETC.) TO SUIT NEW CEILING SYSTEM.
12. DISCONNECT AND REMOVE SUMP PUMP, CONTROLS, ALARMS, AND ASSOCIATED WIRING AND RACEWAYS. TRACE WIRING BACK TO SOURCE AND REMOVE WHERE ACCESSIBLE; OTHERWISE CAP IN ACCESSIBLE JUNCTION BOX. COORDINATE WORK IN PIT AND MAINTAIN SAFE CONDITIONS.
13. DISCONNECT AND REMOVE ELECTRICAL CONNECTIONS SERVING EQUIPMENT INDICATED FOR DEMOLITION, INCLUDING WIRING, RACEWAYS, DISCONNECTS, STARTERS, AND CONTROLS. TRACE WIRING BACK TO SOURCE AND REMOVE WHERE ACCESSIBLE. COORDINATE WITH MECHANICAL CONTRACTOR.
14. PROTECT ELECTRICAL CONNECTIONS SERVING EQUIPMENT TO REMAIN. REPAIR ANY DAMAGE CAUSED DURING DEMOLITION.
15. COORDINATE REMOVAL OR MODIFICATION OF CONTROL WIRING AND DEVICES WITH CONTROLS CONTRACTOR. MAINTAIN OPERATION OF SYSTEMS SERVING EQUIPMENT TO REMAIN.
16. PROVIDE TEMPORARY POWER AS REQUIRED TO MAINTAIN OPERATION OF CRITICAL SYSTEMS DURING DEMOLITION.

ELEVATOR DECOMMISSIONING NOTES

1. GENERAL COORDINATION
   - 1.1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL CONDITIONS PRIOR TO DEMOLITION.
   - 1.2. COORDINATE ALL ELECTRICAL DEMOLITION ASSOCIATED WITH ELEVATOR REMOVAL WITH THE ELEVATOR CONTRACTOR AND GENERAL CONTRACTOR.
   - 1.3. SCHEDULE SHUTDOWN OF ELEVATOR POWER, CONTROLS, AND ASSOCIATED SYSTEMS PRIOR TO DEMOLITION.
   - 1.4. EXISTING ELECTRICAL SYSTEMS SHOWN ARE BASED ON LIMITED INFORMATION; REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.
2. ELEVATOR EQUIPMENT ROOM
   - 2.1. DISCONNECT AND REMOVE ELECTRICAL FEEDERS, BRANCH CIRCUITS, AND CONTROL WIRING SERVING THE EXISTING ELEVATOR MOTOR, CONTROLLER, AND ASSOCIATED EQUIPMENT.
   - 2.2. REMOVE ELECTRICAL CONNECTIONS ASSOCIATED WITH ELEVATOR EQUIPMENT INCLUDING:
     - 2.2.1. MOTOR
     - 2.2.2. CONTROLLER
     - 2.2.3. DISCONNECT SWITCHES
     - 2.2.4. ASSOCIATED JUNCTION BOXES AND RACEWAYS
     - 2.2.5. TRACE CONDUCTORS BACK TO THE SOURCE PANELBOARD OR DISCONNECT SWITCH AND REMOVE WIRING WHERE ACCESSIBLE.
3. ELEVATOR SHAFT AND PIT
   - 3.1. DISCONNECT AND REMOVE ELECTRICAL WIRING, LIGHTING FIXTURES, AND ELECTRICAL DEVICES LOCATED WITHIN THE ELEVATOR SHAFT AND PIT THAT SERVE THE ELEVATOR SYSTEM.
   - 3.2. REMOVE ASSOCIATED RACEWAYS, JUNCTION BOXES, AND SUPPORTS NOT REQUIRED FOR NEW CONSTRUCTION.
   - 3.3. COORDINATE REMOVAL OF ELECTRICAL EQUIPMENT WITHIN THE HOISTWAY WITH THE ELEVATOR CONTRACTOR.
4. ELEVATOR LANDING DEVICES
   - 4.1. DISCONNECT AND REMOVE ELECTRICAL WIRING AND DEVICES SERVING ELEVATOR LANDING EQUIPMENT INCLUDING:
     - 4.1.1. CALL BUTTONS
     - 4.1.2. HALL LANTERNS
     - 4.1.3. POSITION INDICATORS
     - 4.1.4. ASSOCIATED CONTROL WIRING
     - 4.1.5. REMOVE RACEWAYS AND WIRING BACK TO THE NEAREST ACCESSIBLE JUNCTION BOX OR CONTROL PANEL.
     - 4.1.6. CIRCUIT AND RACEWAY REMOVAL
5. ABANDONED CIRCUITS
   - 5.1. CIRCUITS SERVING REMOVED ELEVATOR EQUIPMENT SHALL BE TRACED BACK TO THE ORIGINATING PANELBOARD.
   - 5.2. REMOVE CONDUCTORS WHERE ACCESSIBLE.
   - 5.3. WHERE CONDUCTORS CANNOT BE REMOVED, DISCONNECT AND CAP CONDUCTORS WITHIN AN ACCESSIBLE JUNCTION BOX WITH BLANK COVER.
6. ABANDONED RACEWAYS
   - 6.1. REMOVE ABANDONED RACEWAYS AND WIRING ASSOCIATED WITH DEMOLISHED ELEVATOR EQUIPMENT WHERE ACCESSIBLE.
   - 6.2. CONCEALED RACEWAYS WITHIN WALLS OR SLABS MAY REMAIN IF CONDUCTORS ARE REMOVED AND RACEWAYS ARE DISCONNECTED AT BOTH ENDS.
   - 6.3. LIFE SAFETY SYSTEM COORDINATION
7. FIRE ALARM AND MONITORING SYSTEMS
   - 7.1. COORDINATE REMOVAL OR MODIFICATION OF FIRE ALARM INTERFACE WIRING SERVING THE ELEVATOR RECALL SYSTEM WITH THE FIRE ALARM CONTRACTOR.
   - 7.2. MAINTAIN ALL LIFE SAFETY SYSTEMS OPERATIONAL DURING DEMOLITION AND CONSTRUCTION.
8. ELEVATOR EQUIPMENT ROOM
   - 8.1. REMOVE ELECTRICAL EQUIPMENT ASSOCIATED WITH THE ELEVATOR AND MAKE SAFE ALL CIRCUITS.
   - 8.2. PATCH AND REPAIR WALL AND CEILING SURFACES AT ELECTRICAL REMOVALS TO MATCH ADJACENT FINISHES.
9. FORMER ELEVATOR SHAFT
   - 9.1. COORDINATE REMOVAL OF ELECTRICAL EQUIPMENT PRIOR TO SHAFT INFILL AND SLAB INSTALLATION.
   - 9.2. REMOVE ALL ELECTRICAL WIRING AND EQUIPMENT SERVING THE ELEVATOR SYSTEM WITHIN THE SHAFT PRIOR TO BACKFILLING OPERATIONS.

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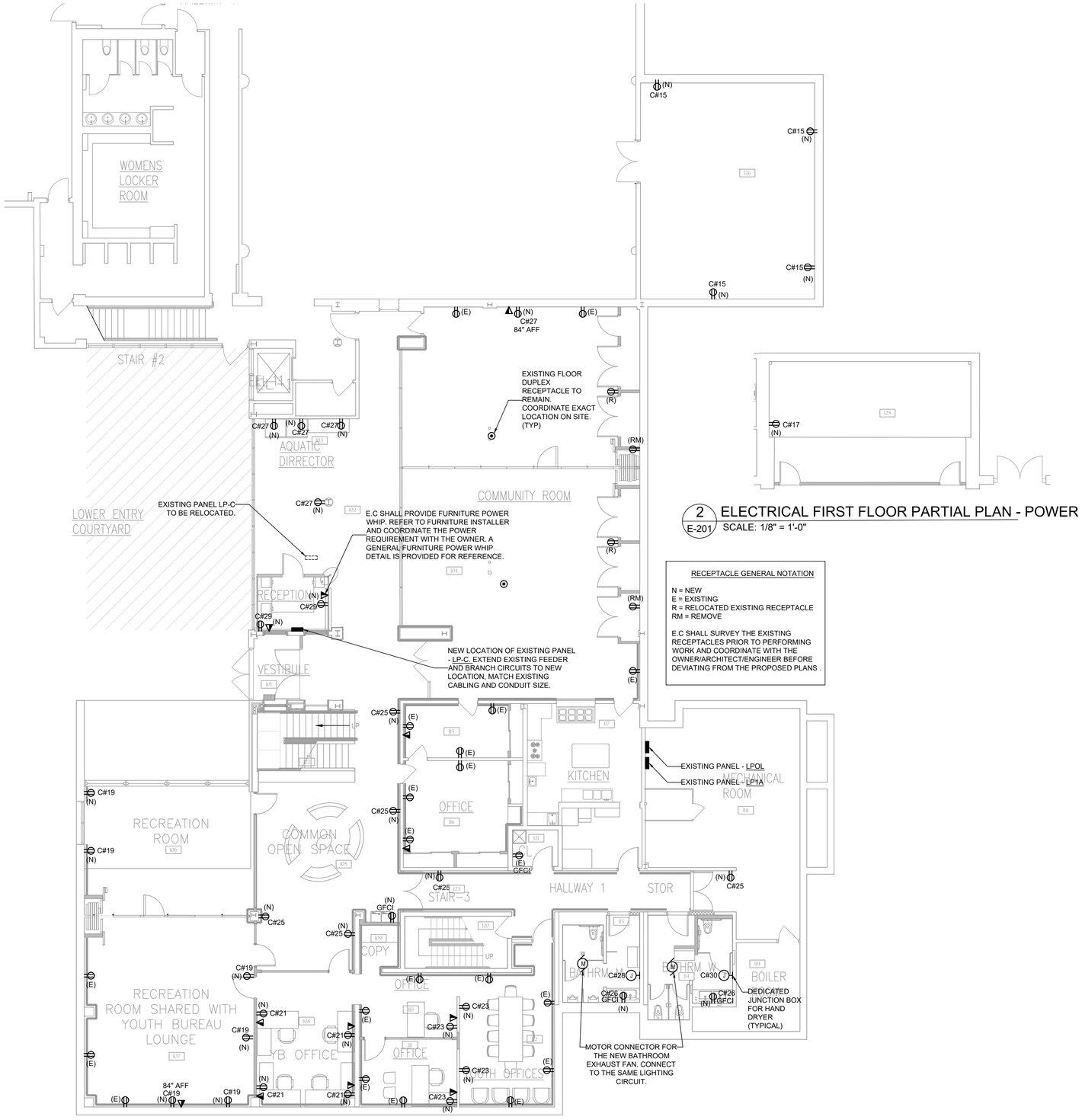
SECOND FLOOR DEMO PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-102



1 E-201 ELECTRICAL FIRST FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

RECEPTACLE GENERAL NOTATION

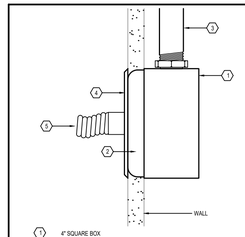
N = NEW
E = EXISTING
R = RELOCATED EXISTING RECEPTACLE
RM = REMOVE

E.C SHALL SURVEY THE EXISTING RECEPTACLES PRIOR TO PERFORMING WORK AND COORDINATE WITH THE OWNER/ARCHITECT/ENGINEER BEFORE DEVIATING FROM THE PROPOSED PLANS .

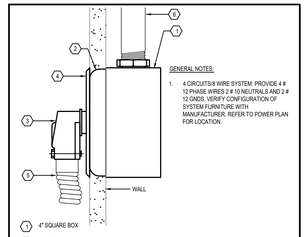
2 E-201 ELECTRICAL FIRST FLOOR PARTIAL PLAN - POWER
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES

1. ALL CIRCUIT RUNS SHALL BE 2#12+1#12G UNLESS OTHERWISE NOTED ON PANEL SCHEDULES.
2. E.C SHALL VERIFY THE LOCATION OF ALL EXISTING RECEPTACLES AND RELOCATE THEM WHERE REQUIRED IN ACCORDANCE WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUT. WHERE NEW RECEPTACLES ARE INDICATED AT LOCATIONS OF EXISTING RECEPTACLES, EXISTING DEVICES SHALL REMAIN AND BE REUSED UNLESS OTHERWISE NOTED.
3. E.C SHALL CHANGE THE FACE PLATE OF THE EXISTING RECEPTACLES THAT ARE BEING USED TO MATCH THE NEW DESIGNS.
4. ALL NEW AND RELOCATED RECEPTACLES SHALL BE ENERGIZED FROM THE EXISTING PANEL LP-C. E.C SHALL PROVIDE NEW ROUGH IN WHERE REQUIRED AND RUN WIRING AS APPROPRIATE BASED ON THE FIELD CONDITIONS.
5. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL WORK ASSOCIATED WITH REPLACING THE PANEL WITH A NEW 42 POLE PANEL IF NO SPARE BREAKERS ARE AVAILABLE. RECONNECT EXISTING LOADS.
6. CONTRACTOR SHALL VERIFY THE CONDITION AND AVAILABILITY OF THE SPARES OF PANEL LP-C ON FIELD. EACH BREAKER SHALL HAVE NO MORE THAN MAXIMUM OF 6 RECEPTACLES CONNECTED.
7. REFER TO THE ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS & MOUNTING HEIGHT, AND ABBREVIATIONS.
8. FOR ALL RECEPTACLES, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/TENANT FOR EXACT LOCATIONS, MOUNTING HEIGHTS, AND RULES GOVERNING THE ORIENTATION AND INSTALLATION, UON. REFER TO ARCHITECTURAL PLANS, DETAILS, ENLARGED PLANS, AND ELEVATIONS FOR ADDITIONAL INFORMATION.
9. ALL RECEPTACLE COVER PLATES SHALL BE FITTED WITH A LABEL INDICATING THE PANELBOARD AND CIRCUIT NUMBER SERVING THE ASSOCIATED RECEPTACLE. LABEL SHALL BE CLEAR, FIXED WITH ADHESIVE TAPE, AND SHALL USE BLACK LETTERING.
10. ALL CIRCUITRY RUNS INDICATED ARE DIAGRAMMATIC. THE CONTRACTOR SHALL DETERMINE THE MOST SUITABLE ROUTES TO MEET THE DESIGN INTENT SHOWN ON DRAWINGS IN THE FIELD.
11. THE INDICATED CIRCUIT NUMBERS ARE FOR DESIGN PURPOSES ONLY. COORDINATE ACTUAL CIRCUIT NUMBERS AT THE TIME OF INSTALLATION AND PROVIDE AN ACCURATE, TYPE-WRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD. ANY UNUSED BREAKER SHALL BE TURNED TO THE "OFF" POSITION, AND LABELED AS "SPARE". NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOADING OF CIRCUIT PRIOR TO CONSTRUCTION.
12. GANG OUTLETS WITH SINGLE FACE PLATE WHERE MULTIPLE DEVICES APPEAR IN A SINGLE LOCATION ON THE DRAWINGS.
13. E.C. IS RESPONSIBLE FOR THE SCOPE OF WORK ON THIS PLAN, U.O.N. PROVIDE AND INSTALL ROUGH-INS, CONDUITS, WIRING, VERTICAL AND HORIZONTAL DUCTS, FLOOR, CEILING, AND PARTITION MOUNTED PULL BOXES.
14. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS, FOR RATED AND NON RATED WALLS
15. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT AND ALL POWER REQUIREMENTS PRIOR TO ROUGHING IN.
16. CONTRACTOR SHALL VERIFY EXISTING SERVICE SIZE AND EXISTING POWER PANEL LOCATIONS/BUS RATINGS. VERIFY ALL EXISTING INCOMING SERVICE EQUIPMENT.
17. ALL EXISTING ELECTRICAL DEVICES LOCATED ON WALLS RECEIVING NEW WALL LAMINATIONS (E.G., GWB, FURRING, OR OTHER FINISHES) SHALL BE ADJUSTED TO REMAIN FLUSH WITH THE NEW FINISHED WALL SURFACE. THIS INCLUDES EXTENDING OUTLET BOXES, RELOCATING DEVICES, AND MODIFYING ASSOCIATED CONDUIT AND WIRING AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF SUCH WALL FINISHES.
18. SURFACE-MOUNTED CONDUIT AND DEVICES SHALL BE REMOVED AND REINSTALLED OR EXTENDED AS NECESSARY TO ACCOMMODATE THE NEW WALL THICKNESS. PROVIDE BOX EXTENSIONS, CONDUIT OFFSETS, AND FITTINGS AS REQUIRED. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND MAINTAIN EXISTING CIRCUIT INTEGRITY.
19. ALL NEW WIRING SHALL BE CONCEALED.
20. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS AND WET AREAS SHALL BE PROVIDED WITH GFCI PROTECTION IN ACCORDANCE WITH NEC ARTICLE 210.8(B).

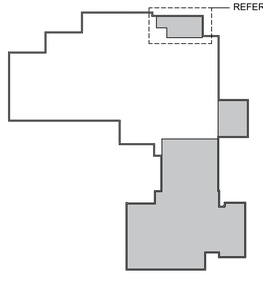


SYS FURN DATA/TELE CONN - B
SCALE: NOT TO SCALE



GENERAL NOTES:
1. 4 CIRCUITS/8 WIRE SYSTEM: PROVIDE 4 # 12 PHASE WIRES 2 # 10 NEUTRALS AND 2 # 12 GNDS. VERIFY CONFIGURATION OF SYSTEM FURNITURE WITH MANUFACTURER. REFER TO POWER PLAN FOR LOCATION.

SYS FURN POWER CONN - A
SCALE: NOT TO SCALE



3 E-201 ELECTRICAL FIRST FLOOR KEY PLAN
SCALE: 1/64" = 1'-0"

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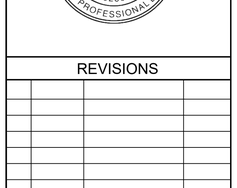


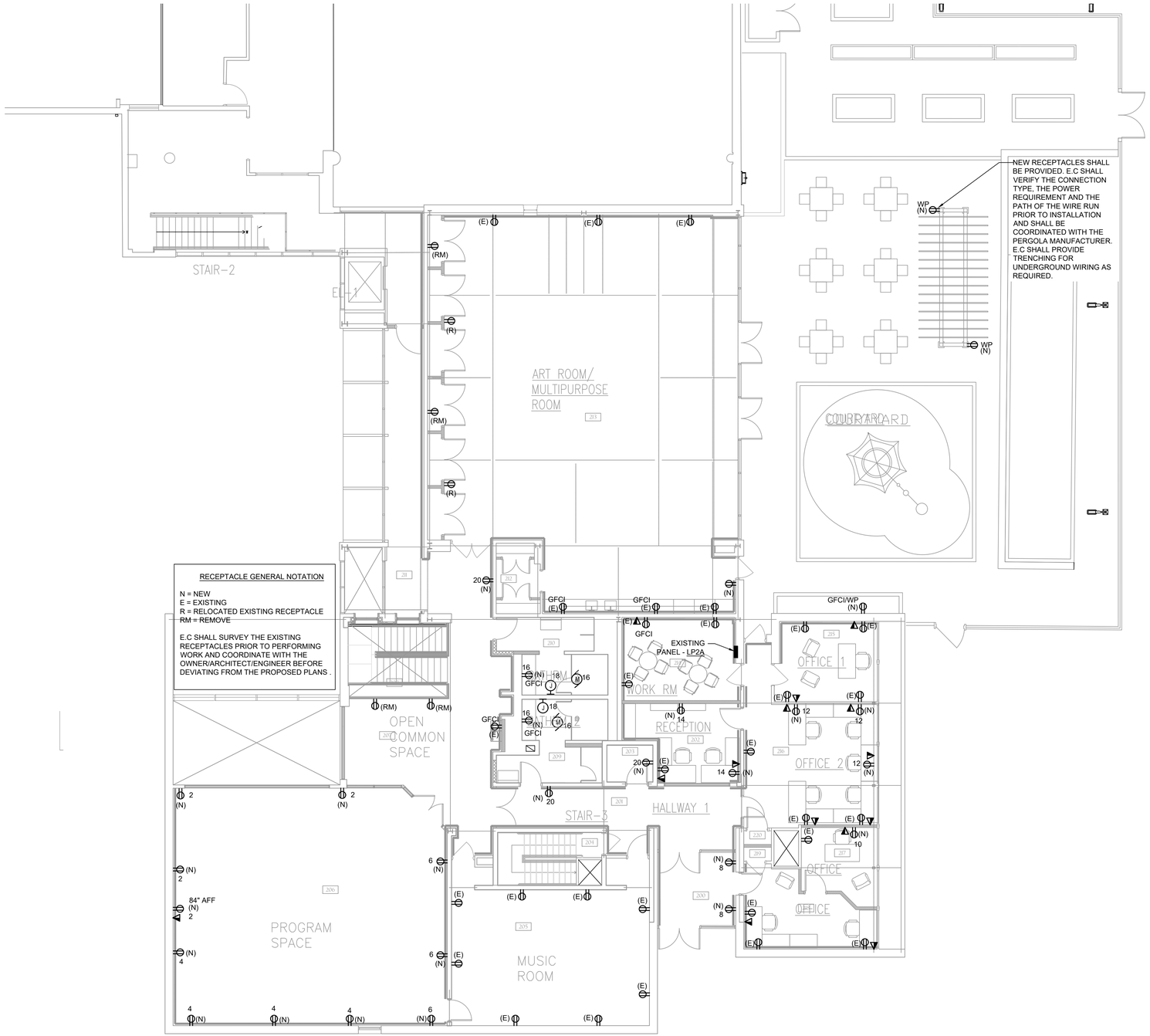
REVISIONS

Drawing:
FIRST FLOOR POWER PLAN

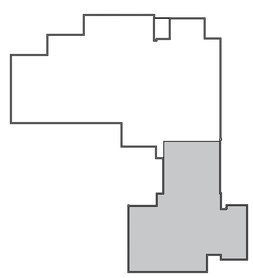
Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-201



1 E-202 ELECTRICAL SECOND FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"



2 E-202 ELECTRICAL SECOND FLOOR KEY PLAN
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES

1. ALL CIRCUIT RUNS SHALL BE 2#12+1#12G UNLESS OTHERWISE NOTED ON PANEL SCHEDULES.
2. E.C SHALL VERIFY THE LOCATION OF ALL EXISTING RECEPTACLES AND RELOCATE THEM WHERE REQUIRED IN ACCORDANCE WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUT. WHERE NEW RECEPTACLES ARE INDICATED AT LOCATIONS OF EXISTING RECEPTACLES, EXISTING DEVICES SHALL REMAIN AND BE REUSED UNLESS OTHERWISE NOTED.
3. E.C SHALL CHANGE THE FACE PLATE OF THE EXISTING RECEPTACLES THAT ARE BEING USED TO MATCH THE NEW DESIGNS.
4. ALL NEW AND RELOCATED RECEPTACLES SHALL BE ENERGIZED FROM THE EXISTING PANEL LP-2A. E.C SHALL PROVIDE NEW ROUGH IN WHERE REQUIRED AND RUN WIRING AS APPROPRIATE BASED ON THE FIELD CONDITIONS.
5. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL WORK ASSOCIATED WITH REPLACING THE PANEL WITH A NEW 42 POLE PANEL IF NO SPARE BREAKERS ARE AVAILABLE. RECONNECT EXISTING LOADS.
6. CONTRACTOR SHALL VERIFY THE CONDITION AND AVAILABILITY OF THE SPARES OF PANEL LP-2A ON FIELD. EACH BREAKER SHALL HAVE NO MORE THAN MAXIMUM OF 6 RECEPTACLES CONNECTED.
7. REFER TO THE ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS & MOUNTING HEIGHT, AND ABBREVIATIONS.
8. FOR ALL RECEPTACLES, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/TENANT FOR EXACT LOCATIONS, MOUNTING HEIGHTS, AND RULES GOVERNING THE ORIENTATION AND INSTALLATION, UION. REFER TO ARCHITECTURAL PLANS, DETAILS, ENLARGED PLANS, AND ELEVATIONS FOR ADDITIONAL INFORMATION.
9. ALL RECEPTACLE COVER PLATES SHALL BE FITTED WITH A LABEL INDICATING THE PANELBOARD AND CIRCUIT NUMBER SERVING THE ASSOCIATED RECEPTACLE. LABEL SHALL BE CLEAR, FIXED WITH ADHESIVE TAPE, AND SHALL USE BLACK LETTERING.
10. ALL CIRCUITRY RUNS INDICATED ARE DIAGRAMMATIC. THE CONTRACTOR SHALL DETERMINE THE MOST SUITABLE ROUTES TO MEET THE DESIGN INTENT SHOWN ON DRAWINGS IN THE FIELD.
11. THE INDICATED CIRCUIT NUMBERS ARE FOR DESIGN PURPOSES ONLY. COORDINATE ACTUAL CIRCUIT NUMBERS AT THE TIME OF INSTALLATION AND PROVIDE AN ACCURATE, TYPE-WRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD. ANY UNUSED BREAKER SHALL BE TURNED TO THE "OFF" POSITION, AND LABELED AS "SPARE". NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOADING OF CIRCUIT PRIOR TO CONSTRUCTION.
12. GANG OUTLETS WITH SINGLE FACE PLATE WHERE MULTIPLE DEVICES APPEAR IN A SINGLE LOCATION ON THE DRAWINGS.
13. E.C. IS RESPONSIBLE FOR THE SCOPE OF WORK ON THIS PLAN, U.O.N. PROVIDE AND INSTALL ROUGH-INS, CONDUITS, WIRING, VERTICAL AND HORIZONTAL DUCTS, FLOOR, CEILING, AND PARTITION MOUNTED PULL BOXES.
14. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS, FOR RATED AND NON RATED WALLS
15. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT AND ALL POWER REQUIREMENTS PRIOR TO ROUGHING IN.
16. CONTRACTOR SHALL VERIFY EXISTING SERVICE SIZE AND EXISTING POWER PANEL LOCATIONS/BUS RATINGS. VERIFY ALL EXISTING INCOMING SERVICE EQUIPMENT.
17. ALL EXPOSED CONDUIT RUNS WITHIN KITCHEN AREA SHALL BE IN RIGID GALVANIZED STEEL CONDUIT.
18. ALL EXISTING ELECTRICAL DEVICES LOCATED ON WALLS RECEIVING NEW WALL LAMINATIONS (E.G., GWB, FURRING, OR OTHER FINISHES) SHALL BE ADJUSTED TO REMAIN FLUSH WITH THE NEW FINISHED WALL SURFACE. THIS INCLUDES EXTENDING OUTLET BOXES, RELOCATING DEVICES, AND MODIFYING ASSOCIATED CONDUIT AND WIRING AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF SUCH WALL FINISHES.
19. SURFACE-MOUNTED CONDUIT AND DEVICES SHALL BE REMOVED AND REINSTALLED OR EXTENDED AS NECESSARY TO ACCOMMODATE THE NEW WALL THICKNESS. PROVIDE BOX EXTENSIONS, CONDUIT OFFSETS, AND FITTINGS AS REQUIRED. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND MAINTAIN EXISTING CIRCUIT INTEGRITY.
20. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS AND WET AREAS SHALL BE PROVIDED WITH GFCI PROTECTION IN ACCORDANCE WITH NEC ARTICLE 210.8(B).

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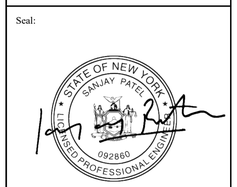


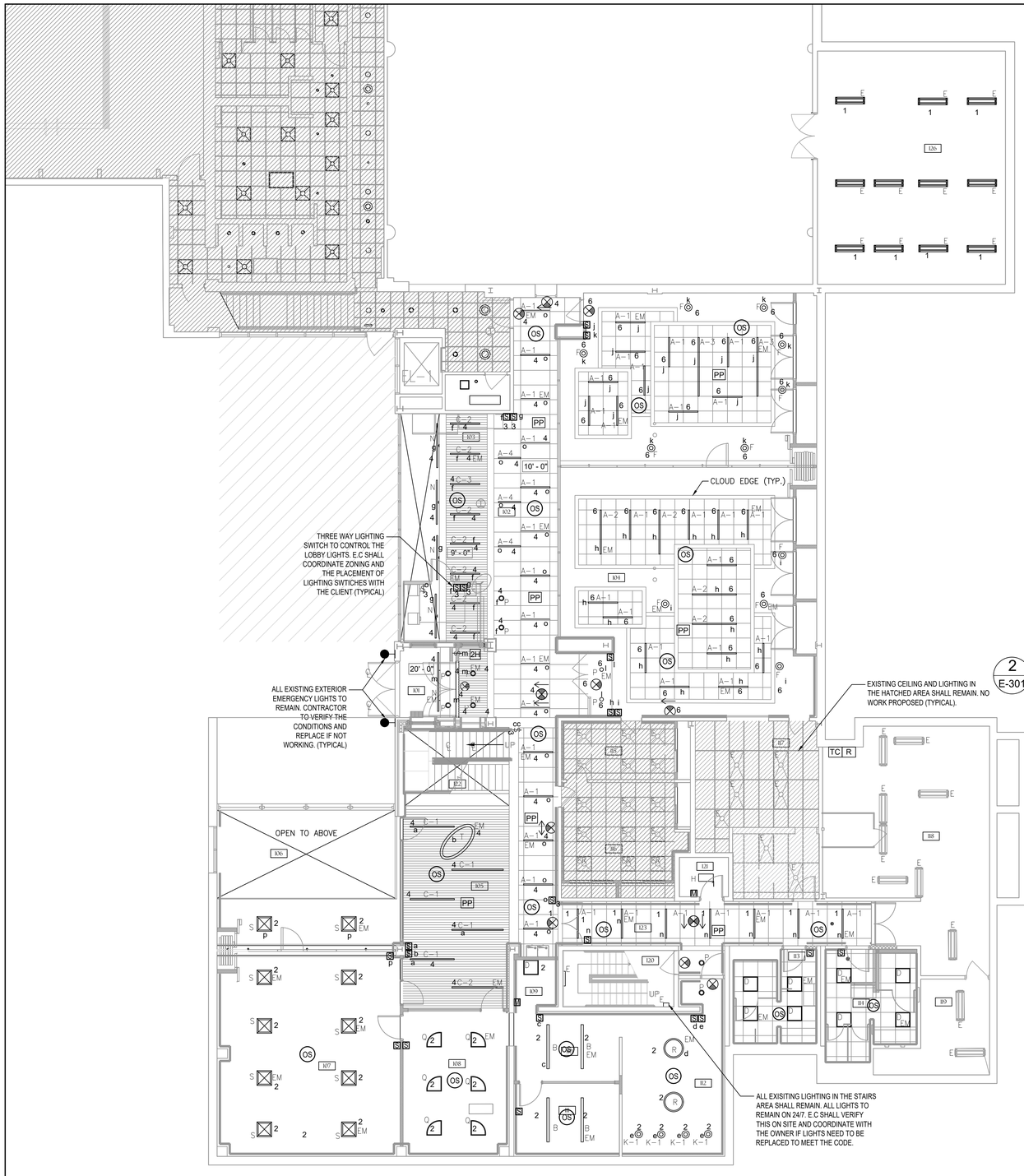
REVISIONS

Drawing:
SECOND FLOOR POWER PLAN

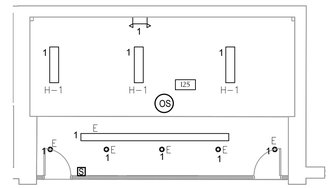
Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-202



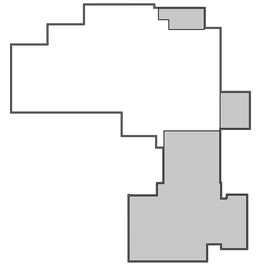
1 E-301 ELECTRICAL FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



2 E-301 FIRST FLOOR PARTIAL PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

GENERAL LIGHTING NOTES

1. ALL CIRCUIT RUNS SHALL BE 2#12+1#12G UNLESS OTHERWISE NOTED ON PANEL SCHEDULES.
2. REFER TO THE ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS & MOUNTING HEIGHT, AND ABBREVIATIONS.
3. ALL LIGHTS ON FIRST SHALL BE ENERGIZED FROM POWER PANEL LP-C. ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABILITY OF THE EXISTING BREAKERS ON FIELD AND PROVIDE NEW BREAKERS WHERE NECESSARY.
4. FOR ALL SWITCHES, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/TENANT FOR EXACT LOCATIONS, MOUNTING HEIGHTS, AND RULES GOVERNING THE ORIENTATION AND INSTALLATION, UON. REFER TO ARCHITECTURAL PLANS, DETAILS, ENLARGED PLANS, AND ELEVATIONS FOR ADDITIONAL INFORMATION.
5. ALL SWITCH COVER PLATES SHALL BE FITTED WITH A LABEL INDICATING THE PANELBOARD AND CIRCUIT NUMBER SERVING THE ASSOCIATED RECEPTACLE. LABEL SHALL BE CLEAR, FIXED WITH ADHESIVE TAPE, AND SHALL USE BLACK LETTERING.
6. ALL LIGHTING SHALL BE ENERGIZED FROM THE LABELED POWER PANELS. ALL CIRCUITRY RUNS INDICATED ARE DIAGRAMMATIC. THE CONTRACTOR SHALL DETERMINE THE MOST SUITABLE ROUTES TO MEET THE DESIGN INTENT SHOWN ON DRAWINGS IN THE FIELD.
7. THE INDICATED CIRCUIT NUMBERS ARE FOR DESIGN PURPOSES ONLY. COORDINATE ACTUAL CIRCUIT NUMBERS AT THE TIME OF INSTALLATION AND PROVIDE AN ACCURATE, TYPE-WRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD. ANY UNUSED BREAKER SHALL BE TURNED TO THE "OFF" POSITION, AND LABELED AS "SPARE". NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOADING OF CIRCUIT PRIOR TO CONSTRUCTION.
8. GANG SWITCHES WITH SINGLE FACE PLATE WHERE MULTIPLE DEVICES APPEAR IN A SINGLE LOCATION ON THE DRAWINGS.
9. E.C. IS RESPONSIBLE FOR THE SCOPE OF WORK ON THIS PLAN, U.O.N. PROVIDE AND INSTALL ROUGH-INS, CONDUITS, WIRING, VERTICAL AND HORIZONTAL DUCTS, FLOOR, CEILING, AND PARTITION MOUNTED PULL BOXES.
10. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS.
11. COORDINATE EXACT PLACEMENT OF SENSORS AS PER MANUFACTURERS RECOMMENDATIONS
12. ALL EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE UNSWITCHED
13. ALL LIGHTING SWITCHES SHALL BE OF DIMMER TYPE.
14. ALL LIGHTING FIXTURE ON SECOND FLOOR SHALL BE ENERGIZED FROM THE EXISTING POWER PANEL LP1A.
15. E.C SHALL VERIFY THE CONDITION OF LIGHTS WHICH ARE EXISTING TO REMAIN ON SITE. SERVICE/REPLACE IF NECESSARY.
16. PROVIDE AND INSTALL OCCUPANCY SENSORS AS PER THE MANUFACTURES GUIDANCE.
17. CEILING-MOUNTED OCCUPANCY SENSOR SHALL CONTROL ALL LIGHTING ZONES VIA LIGHTING CONTROL SYSTEM. PROVIDE DIMMABLE DRIVERS AND WALL-MOUNTED DIMMING CONTROLS FOR EACH ZONE."
18. SEE ARCHITECTURE DRAWINGS FOR HEIGHT OF LIGHT FIXTURES, PENDANTS, CHAINS, ETC ACCORDINGLY.
20. LIGHTING SHALL BE CONTROLLED BY OCCUPANCY SENSORS. UPON DETECTION OF OCCUPANCY, LIGHTING SHALL AUTOMATICALLY TURN ON. UPON VACANCY, LIGHTING SHALL AUTOMATICALLY TURN OFF WITHIN 20 MINUTES. PROVIDE SENSOR SETTINGS AND PROGRAMMING IN ACCORDANCE WITH NYSECCC SECTION C405.2.
21. LIGHTING CONTROL FUNCTIONAL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH NYSECCC SECTION C408.3 PRIOR TO FINAL INSPECTION. THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL LIGHTING CONTROL DEVICES ARE INSTALLED, CALIBRATED, PROGRAMMED, ADJUSTED, AND OPERATING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
    - 21.1. VERIFY PROPER OPERATION OF ALL OCCUPANCY/VACANCY SENSORS, INCLUDING AUTOMATIC ON/OFF FUNCTIONS, TIME DELAYS, AND SENSOR COVERAGE AREAS.
    - 21.2. VERIFY PROPER OPERATION OF ALL TIME-SWITCH CONTROLS AND SCHEDULED LIGHTING CONTROLS.
    - 21.3. VERIFY PROPER OPERATION OF ALL DAYLIGHT-RESPONSIVE CONTROLS, INCLUDING CALIBRATION OF PHOTOSENSORS AND DIMMING/SWITCHING RESPONSE.
    - 21.4. VERIFY MANUAL OVERRIDE FUNCTIONS OPERATE AS SPECIFIED.
    - 21.5. VERIFY LIGHTING CONTROL SEQUENCES OF OPERATION COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS.
    - 21.6. PROVIDE WRITTEN DOCUMENTATION CERTIFYING THAT FUNCTIONAL TESTING HAS BEEN COMPLETED AND ALL DEFICIENCIES CORRECTED PRIOR TO FINAL ACCEPTANCE.
    - 21.7. CONTRACTOR SHALL PROVIDE OWNER TRAINING ON OPERATION OF LIGHTING CONTROL SYSTEMS.
22. ALL SPACES PROVIDED WITH OCCUPANCY SENSORS SHALL AUTOMATICALLY TURN GENERAL LIGHTING ON TO NOT MORE THAN 50% OF FULL LIGHTING POWER AND SHALL AUTOMATICALLY TURN LIGHTING OFF WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. MANUAL CONTROLS SHALL BE PROVIDED TO ALLOW OCCUPANTS TO INCREASE LIGHTING TO FULL OUTPUT AS REQUIRED. EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED AND SHALL NOT BE SUBJECT TO THE 50% AUTO-ON REQUIREMENT. COMPLY WITH NYSECCC SECTION C405.2.
23. ALL EXTERIOR LIGHTING FIXTURES (TYPE S, Y, AND Z) SHALL BE AUTOMATICALLY CONTROLLED BY PHOTOCELL AND ASTRONOMIC TIME CLOCK IN ACCORDANCE WITH NYSECCC SECTION C405.2.6. REFER TO DETAIL 9/E-500.



3 E-301 ELECTRICAL FIRST FLOOR KEY PLAN
SCALE: 1/8" = 1'-0"

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Seal:

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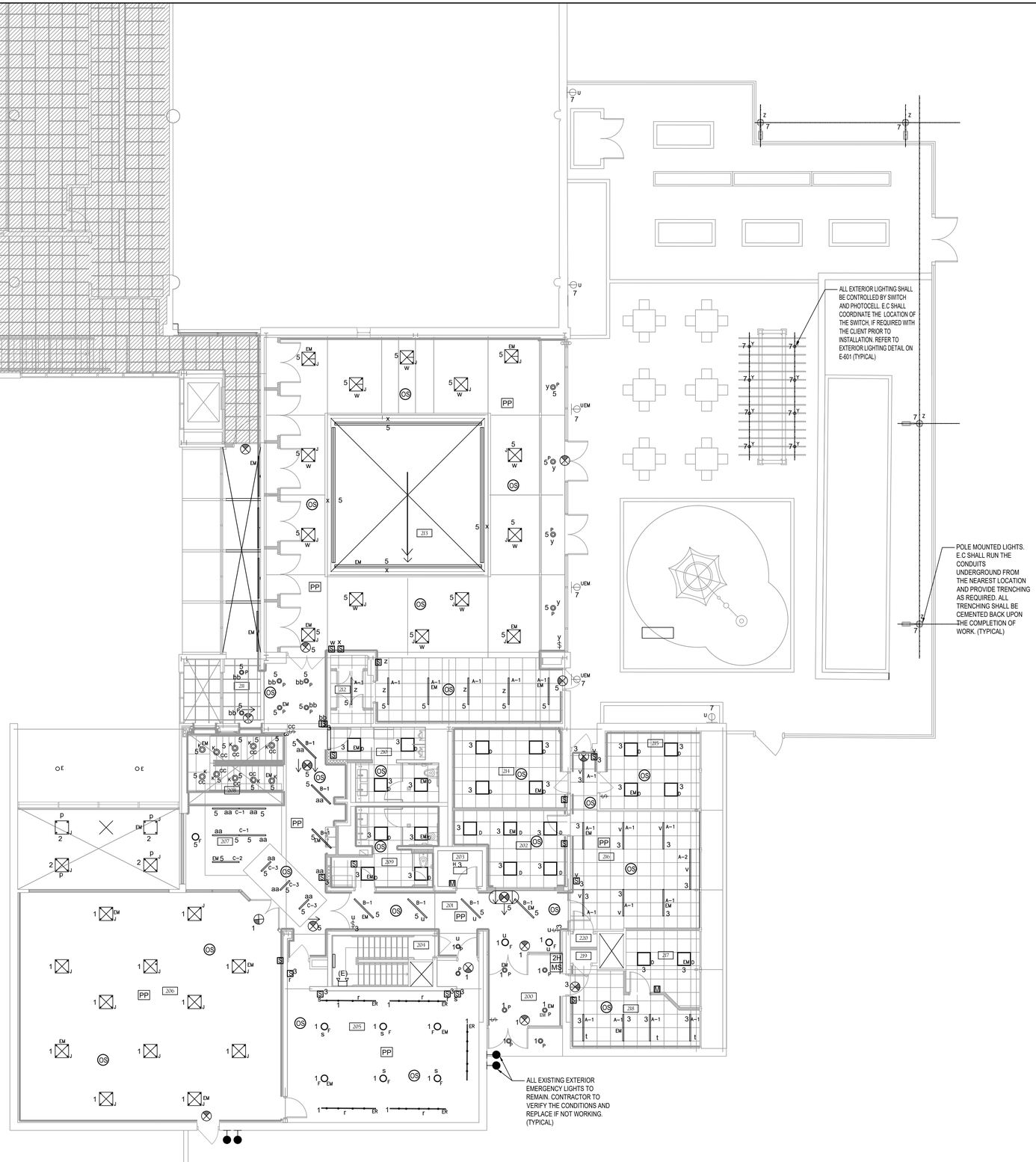
Drawing:
FIRST FLOOR LIGHTING PLAN

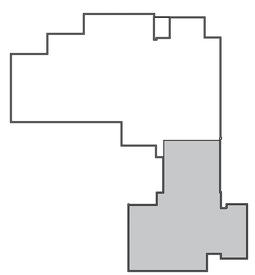
Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-301



1 E-302 ELECTRICAL SECOND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



2 E-302 ELECTRICAL SECOND FLOOR KEY PLAN
SCALE: 1/8" = 1'-0"

GENERAL LIGHTING NOTES

1. ALL CIRCUIT RUNS SHALL BE 2#12+1#12G UNLESS OTHERWISE NOTED ON PANEL SCHEDULES.
2. REFER TO THE ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS & MOUNTING HEIGHT, AND ABBREVIATIONS.
3. ALL LIGHTING FIXTURE ON FIRST FLOOR SHALL BE ENERGIZED FROM POWER PANEL LP-C. ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABILITY OF THE EXISTING BREAKERS ON FIELD AND PROVIDE NEW BREAKERS WHERE NECESSARY.
4. FOR ALL SWITCHES, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/TENANT FOR EXACT LOCATIONS, MOUNTING HEIGHTS, AND RULES GOVERNING THE ORIENTATION AND INSTALLATION, UON. REFER TO ARCHITECTURAL PLANS, DETAILS, ENLARGED PLANS, AND ELEVATIONS FOR ADDITIONAL INFORMATION.
5. ALL SWITCH COVER PLATES SHALL BE FITTED WITH A LABEL INDICATING THE PANELBOARD AND CIRCUIT NUMBER SERVING THE ASSOCIATED RECEPTACLE. LABEL SHALL BE CLEAR, FIXED WITH ADHESIVE TAPE, AND SHALL USE BLACK LETTERING.
6. ALL LIGHTING SHALL BE ENERGIZED FROM THE LABELED POWER PANELS. ALL CIRCUITRY RUNS INDICATED ARE DIAGRAMMATIC. THE CONTRACTOR SHALL DETERMINE THE MOST SUITABLE ROUTES TO MEET THE DESIGN INTENT SHOWN ON DRAWINGS IN THE FIELD.
7. THE INDICATED CIRCUIT NUMBERS ARE FOR DESIGN PURPOSES ONLY. COORDINATE ACTUAL CIRCUIT NUMBERS AT THE TIME OF INSTALLATION AND PROVIDE AN ACCURATE, TYPE-WRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD. ANY UNUSED BREAKER SHALL BE TURNED TO THE "OFF" POSITION, AND LABELED AS "SPARE". NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOADING OF CIRCUIT PRIOR TO CONSTRUCTION.
8. GANG SWITCHES WITH SINGLE FACE PLATE WHERE MULTIPLE DEVICES APPEAR IN A SINGLE LOCATION ON THE DRAWINGS.
9. E.C. IS RESPONSIBLE FOR THE SCOPE OF WORK ON THIS PLAN, U.O.N. PROVIDE AND INSTALL ROUGH-INS, CONDUITS, WIRING, VERTICAL AND HORIZONTAL DUCTS, FLOOR, CEILING, AND PARTITION MOUNTED PULL BOXES.
10. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS.
11. COORDINATE EXACT PLACEMENT OF SENSORS AND QUANTITIES AS PER MANUFACTURERS RECOMMENDATIONS
12. ALL EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE UNSWITCHED
13. ALL LIGHTING SWITCHES SHALL BE OF DIMMER TYPE.
14. ALL FIXTURES DENOTED EM SHALL BE PROVIDED WITH BUILT IN EMERGENCY BATTERY BACK UP TO PROVIDE A MINIMUM OF 90 MINUTES IF ILLUMINATION UPON LOSS OF POWER.
15. E.C SHALL VERIFY THE CONDITION OF LIGHTS WHICH ARE EXISTING TO REMAIN ON SITE. SERVICE/REPLACE IF NECESSARY.
16. PROVIDE AND INSTALL OCCUPANCY SENSORS AS PER THE MANUFACTURES GUIDANCE.
17. CEILING-MOUNTED OCCUPANCY SENSOR SHALL CONTROL ALL LIGHTING ZONES VIA LIGHTING CONTROL SYSTEM. PROVIDE DIMMABLE DRIVERS AND WALL-MOUNTED DIMMING CONTROLS FOR EACH ZONE."
18. SEE ARCHITECTURE DRAWINGS FOR HEIGHT OF LIGHT FIXTURES, PENDANTS, CHAINS, ETC ACCORDINGLY.
20. LIGHTING SHALL BE CONTROLLED BY OCCUPANCY SENSORS. UPON DETECTION OF OCCUPANCY, LIGHTING SHALL AUTOMATICALLY TURN ON. UPON VACANCY, LIGHTING SHALL AUTOMATICALLY TURN OFF WITHIN 20 MINUTES. PROVIDE SENSOR SETTINGS AND PROGRAMMING IN ACCORDANCE WITH NYSECCC SECTION C405.2.
21. LIGHTING CONTROL FUNCTIONAL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH NYSECCC SECTION C408.3 PRIOR TO FINAL INSPECTION. THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL LIGHTING CONTROL DEVICES ARE INSTALLED, CALIBRATED, PROGRAMMED, ADJUSTED, AND OPERATING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
    - 21.1. VERIFY PROPER OPERATION OF ALL OCCUPANCY/VACANCY SENSORS, INCLUDING AUTOMATIC ON/OFF FUNCTIONS, TIME DELAYS, AND SENSOR COVERAGE AREAS.
    - 21.2. VERIFY PROPER OPERATION OF ALL TIME-SWITCH CONTROLS AND SCHEDULED LIGHTING CONTROLS.
    - 21.3. VERIFY PROPER OPERATION OF ALL DAYLIGHT-RESPONSIVE CONTROLS, INCLUDING CALIBRATION OF PHOTOSENSORS AND DIMMING/SWITCHING RESPONSE.
    - 21.4. VERIFY MANUAL OVERRIDE FUNCTIONS OPERATE AS SPECIFIED.
    - 21.5. VERIFY LIGHTING CONTROL SEQUENCES OF OPERATION COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS.
    - 21.6. PROVIDE WRITTEN DOCUMENTATION CERTIFYING THAT FUNCTIONAL TESTING HAS BEEN COMPLETED AND ALL DEFICIENCIES CORRECTED PRIOR TO FINAL ACCEPTANCE.
    - 21.7. CONTRACTOR SHALL PROVIDE OWNER TRAINING ON OPERATION OF LIGHTING CONTROL SYSTEMS.
22. ALL SPACES PROVIDED WITH OCCUPANCY SENSORS SHALL AUTOMATICALLY TURN GENERAL LIGHTING ON TO NOT MORE THAN 50% OF FULL LIGHTING POWER AND SHALL AUTOMATICALLY TURN LIGHTING OFF WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. MANUAL CONTROLS SHALL BE PROVIDED TO ALLOW OCCUPANTS TO INCREASE LIGHTING TO FULL OUTPUT AS REQUIRED. EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED AND SHALL NOT BE SUBJECT TO THE 50% AUTO-ON REQUIREMENT. COMPLY WITH NYSECCC SECTION C405.2.
23. ALL EXTERIOR LIGHTING FIXTURES (TYPE S, Y, AND Z) SHALL BE AUTOMATICALLY CONTROLLED BY PHOTOCELL AND ASTRONOMIC TIME CLOCK IN ACCORDANCE WITH NYSECCC SECTION C405.2.6. REFER TO DETAIL 9/E-300.

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

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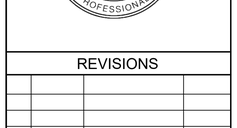


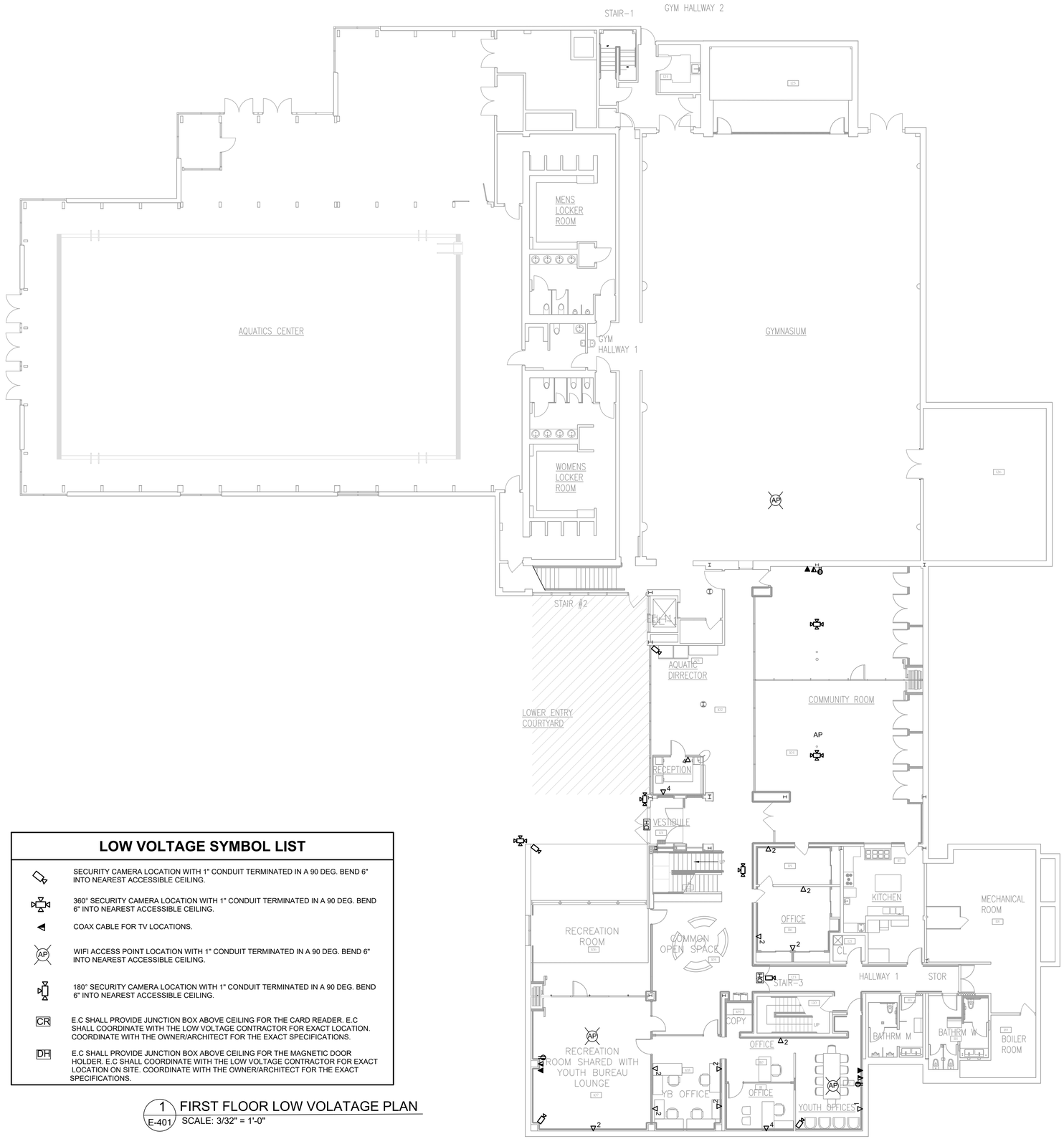
REVISIONS

Drawing:
SECOND FLOOR LIGHTING PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-302



LOW VOLTAGE SYMBOL LIST

	SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	360° SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	COAX CABLE FOR TV LOCATIONS.
AP	WIFI ACCESS POINT LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	180° SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
CR	E.C SHALL PROVIDE JUNCTION BOX ABOVE CEILING FOR THE CARD READER. E.C SHALL COORDINATE WITH THE LOW VOLTAGE CONTRACTOR FOR EXACT LOCATION. COORDINATE WITH THE OWNER/ARCHITECT FOR THE EXACT SPECIFICATIONS.
DH	E.C SHALL PROVIDE JUNCTION BOX ABOVE CEILING FOR THE MAGNETIC DOOR HOLDER. E.C SHALL COORDINATE WITH THE LOW VOLTAGE CONTRACTOR FOR EXACT LOCATION ON SITE. COORDINATE WITH THE OWNER/ARCHITECT FOR THE EXACT SPECIFICATIONS.

1 / E-401 FIRST FLOOR LOW VOLATAGE PLAN
SCALE: 3/32" = 1'-0"

LOW VOLTAGE/TELECOM GENERAL NOTES

1. DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE INTENDED TO REPRESENT OVERALL DESIGN INTENT.
2. ELECTRICAL CONTRACTOR (EC) SHALL FURNISH AND INSTALL ALL CONDUITS, OUTLET BOXES, BACKBOXES, PULL BOXES, SLEEVES, SUPPORTS, RACEWAYS, AND ASSOCIATED INFRASTRUCTURE REQUIRED FOR LOW VOLTAGE SYSTEMS INDICATED ON THE DRAWINGS. SEE DETAIL
3. LOW VOLTAGE CONTRACTOR (LVC) SHALL FURNISH, INSTALL, TERMINATE, LABEL, TEST, CERTIFY, PROGRAM, AND COMMISSION ALL LOW VOLTAGE CABLING, DEVICES, EQUIPMENT, AND ASSOCIATED COMPONENTS.
4. ALL LOW VOLTAGE CONDUITS SHALL BE PROVIDED WITH NYLON PULL STRING AND SHALL BE LEFT EMPTY FOR USE BY THE LOW VOLTAGE CONTRACTOR.
5. INSTALL FIRESTOP AND/OR ACOUSTICAL SEAL AT ALL WALL AND FLOOR PENETRATIONS AS REQUIRED TO MAINTAIN THE FIRE-RATING OR ACOUSTICAL RATING OF THE ASSEMBLY.
6. COORDINATE ALL DEVICE LOCATIONS, BOX TYPES, MOUNTING HEIGHTS, AND CONDUIT ROUTING WITH ARCHITECTURAL, ELECTRICAL, SECURITY, ACCESS CONTROL, AND TELECOMMUNICATIONS DRAWINGS PRIOR TO ROUGH-IN.
7. CONTRACTOR SHALL VERIFY EXACT DEVICE LOCATIONS WITH OWNER AND LOW VOLTAGE CONTRACTOR PRIOR TO INSTALLATION.
8. PROVIDE INSULATED BUSHINGS AT ALL CONDUIT TERMINATIONS.
9. PROVIDE ACCESSIBLE PULL BOXES FOR CONDUIT RUNS EXCEEDING 100 FEET OR CONTAINING MORE THAN TWO (4) 90-DEGREE BENDS.
10. MAINTAIN MINIMUM SEPARATION FROM POWER WIRING IN ACCORDANCE WITH NEC, BICSI, AND MANUFACTURER REQUIREMENTS.
11. INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE. DO NOT ROUTE CONDUITS DIAGONALLY.
12. ALL CONDUIT SIZES SHALL BE 3/4" EMT MINIMUM UNLESS NOTED OTHERWISE.
13. PROVIDE EMPTY CONDUIT STUB-UPS ABOVE ACCESSIBLE CEILINGS WITH PULL STRINGS FOR ALL LOW VOLTAGE DEVICES UNLESS OTHERWISE NOTED

LOW VOLTAGE/TELCOM PATHWAY NOTES

1. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL TELECOMMUNICATIONS OUTLET LOCATIONS WITH FURNITURE, EQUIPMENT, AND OWNER REQUIREMENTS.
3. INSTALL CONDUITS AND CABLE SUPPORT SYSTEMS TO MAINTAIN A MINIMUM 5-INCH SEPARATION FROM FLUORESCENT LIGHTING FIXTURES AND POWER SYSTEMS.
4. IF CONFLICTS EXIST BETWEEN TELECOMMUNICATIONS DRAWINGS AND OTHER TRADES, NOTIFY THE ENGINEER PRIOR TO INSTALLATION.
5. MAINTAIN A MINIMUM BEND RADIUS OF SIX (6) TIMES THE CONDUIT DIAMETER FOR CONDUITS 2" AND SMALLER.
6. PROVIDE ACCESSIBLE PULL BOXES FOR EVERY 100 FEET OF CONDUIT RUN OR AFTER EVERY 180 DEGREES OF TOTAL BEND.
7. DO NOT INSTALL CONDUITS ON MORE THAN TWO SIDES OF A PULL BOX.
8. DO NOT UTILIZE PULL BOXES TO CHANGE DIRECTION OF CONDUIT RUNS IN LIEU OF SWEEPS OR OFFSETS. CONDUIT PATHWAYS SHALL BE ROUTED TO ALLOW FUTURE CABLE INSTALLATION AND MAINTENANCE.

LOW VOLTAGE/TELCOM DEVICE ROUGH IN NOTES

DATA OUTLETS
1. PROVIDE 4" SQUARE BOX WITH SINGLE-GANG MUD RING.
2. MOUNT OUTLETS AT 18" AFF TO CENTERLINE UNLESS NOTED OTHERWISE.
3. PROVIDE ONE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
4. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.

WIRELESS ACCESS POINTS (WAP)
1. PROVIDE ONE (1) 1" CONDUIT FROM DEVICE LOCATION TO ACCESSIBLE CEILING SPACE.
2. PROVIDE 4" SQUARE BOX ABOVE CEILING.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. FINAL LOCATION SHALL BE COORDINATED WITH LOW VOLTAGE CONTRACTOR.

SECURITY CAMERAS
1. PROVIDE ONE (1) 1" CONDUIT FROM CAMERA LOCATION TO ACCESSIBLE CEILING SPACE.
2. PROVIDE 4" SQUARE BOX WITH BLANK COVER.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. INTERIOR CAMERAS SHALL BE MOUNTED AT APPROXIMATELY 9'-0" AFF UNLESS NOTED OTHERWISE.
5. EXTERIOR CAMERAS SHALL BE MOUNTED AT APPROXIMATELY 10'-0" TO 14'-0" AFF UNLESS NOTED OTHERWISE.

CARD READERS (CR)
1. PROVIDE SINGLE-GANG BOX.
2. PROVIDE ONE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. MOUNT CARD READERS AT 48" AFF TO CENTERLINE.
5. COORDINATE WITH ACCESS CONTROL CONTRACTOR AND DOOR HARDWARE SUPPLIER.

DOOR ACCESS CONTROL DEVICES
1. PROVIDE CONDUITS FOR CARD READERS, ELECTRIC STRIKES OR MAGLOCKS, DOOR POSITION SWITCHES, AND REQUEST-TO-EXIT DEVICES.
2. PROVIDE 3/4" CONDUITS BETWEEN DOOR FRAME AND ACCESS CONTROL DEVICE LOCATIONS.
3. COORDINATE FINAL REQUIREMENTS WITH ACCESS CONTROL CONTRACTOR.

SECURITY MOTION DETECTORS
1. PROVIDE SINGLE-GANG BOX WITH 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
2. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
3. WALL-MOUNTED MOTION DETECTORS SHALL BE INSTALLED AT 7'-6" TO 8'-0" AFF UNLESS OTHERWISE
4. REQUIRED BY MANUFACTURER.

CEILING-MOUNTED MOTION DETECTORS
1. PROVIDE 4" SQUARE BOX ABOVE CEILING.
2. PROVIDE 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. COORDINATE FINAL LOCATION WITH SECURITY CONTRACTOR.

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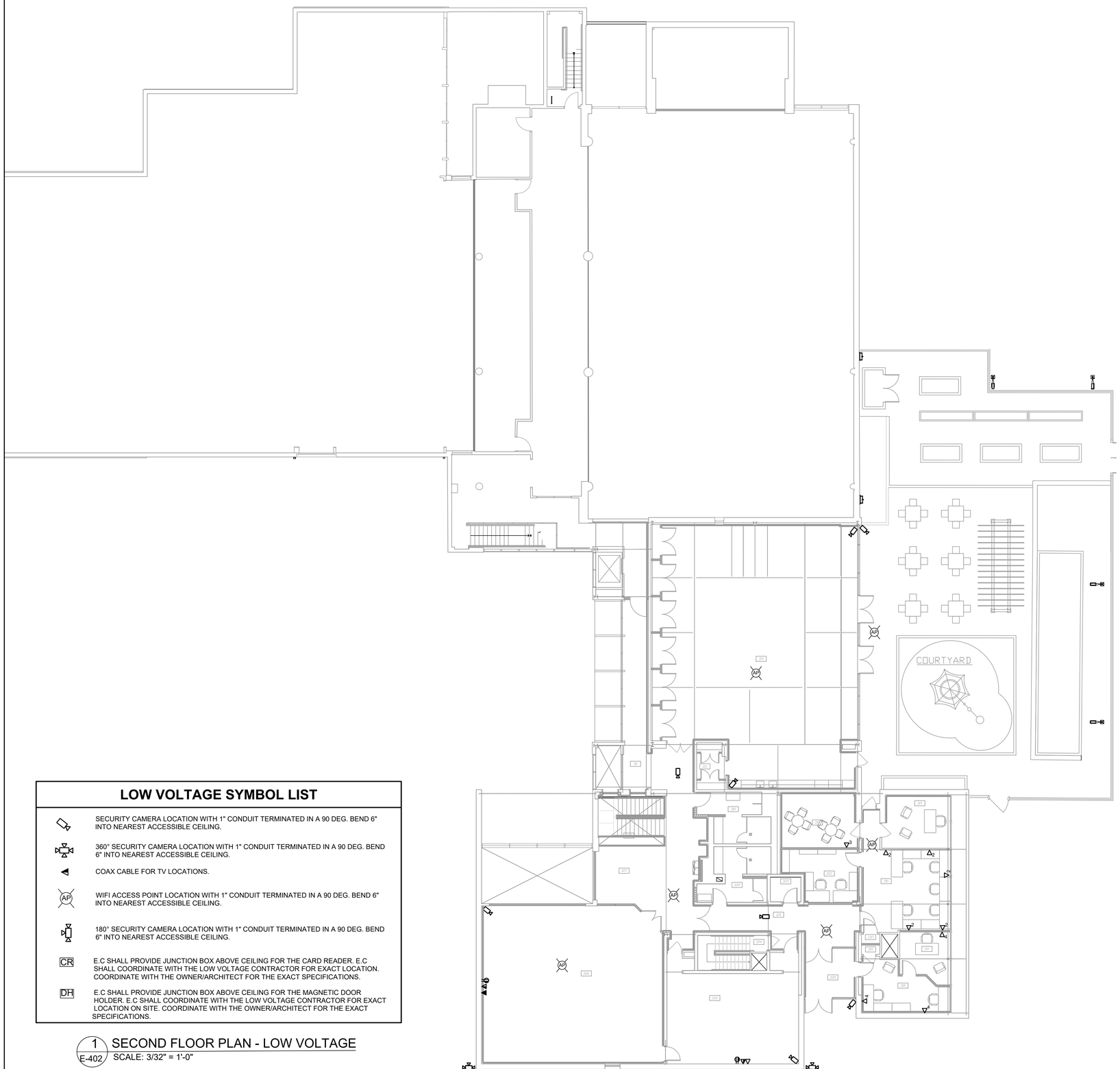
REVISIONS

Drawing:
FIRST FLOOR LOW VOLTAGE PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-401



LOW VOLTAGE SYMBOL LIST

	SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	360° SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	COAX CABLE FOR TV LOCATIONS.
AP	WIFI ACCESS POINT LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
	180° SECURITY CAMERA LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING.
CR	E.C SHALL PROVIDE JUNCTION BOX ABOVE CEILING FOR THE CARD READER. E.C SHALL COORDINATE WITH THE LOW VOLTAGE CONTRACTOR FOR EXACT LOCATION. COORDINATE WITH THE OWNER/ARCHITECT FOR THE EXACT SPECIFICATIONS.
DH	E.C SHALL PROVIDE JUNCTION BOX ABOVE CEILING FOR THE MAGNETIC DOOR HOLDER. E.C SHALL COORDINATE WITH THE LOW VOLTAGE CONTRACTOR FOR EXACT LOCATION ON SITE. COORDINATE WITH THE OWNER/ARCHITECT FOR THE EXACT SPECIFICATIONS.

1 / E-402 SECOND FLOOR PLAN - LOW VOLTAGE
SCALE: 3/32" = 1'-0"

LOW VOLTAGE/TELECOM GENERAL NOTES

1. DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE INTENDED TO REPRESENT OVERALL DESIGN INTENT.
2. ELECTRICAL CONTRACTOR (EC) SHALL FURNISH AND INSTALL ALL CONDUITS, OUTLET BOXES, BACKBOXES, PULL BOXES, SLEEVES, SUPPORTS, RACEWAYS, AND ASSOCIATED INFRASTRUCTURE REQUIRED FOR LOW VOLTAGE SYSTEMS INDICATED ON THE DRAWINGS.
3. LOW VOLTAGE CONTRACTOR (LVC) SHALL FURNISH, INSTALL, TERMINATE, LABEL, TEST, CERTIFY, PROGRAM, AND COMMISSION ALL LOW VOLTAGE CABLING, DEVICES, EQUIPMENT, AND ASSOCIATED COMPONENTS.
4. ALL LOW VOLTAGE CONDUITS SHALL BE PROVIDED WITH NYLON PULL STRING AND SHALL BE LEFT EMPTY FOR USE BY THE LOW VOLTAGE CONTRACTOR.
5. INSTALL FIRESTOP AND/OR ACOUSTICAL SEAL AT ALL WALL AND FLOOR PENETRATIONS AS REQUIRED TO MAINTAIN THE FIRE-RATING OR ACOUSTICAL RATING OF THE ASSEMBLY.
6. COORDINATE ALL DEVICE LOCATIONS, BOX TYPES, MOUNTING HEIGHTS, AND CONDUIT ROUTING WITH ARCHITECTURAL, ELECTRICAL, SECURITY, ACCESS CONTROL, AND TELECOMMUNICATIONS DRAWINGS PRIOR TO ROUGH-IN.
7. CONTRACTOR SHALL VERIFY EXACT DEVICE LOCATIONS WITH OWNER AND LOW VOLTAGE CONTRACTOR PRIOR TO INSTALLATION.
8. PROVIDE INSULATED BUSHINGS AT ALL CONDUIT TERMINATIONS.
9. PROVIDE ACCESSIBLE PULL BOXES FOR CONDUIT RUNS EXCEEDING 100 FEET OR CONTAINING MORE THAN TWO (4) 90-DEGREE BENDS.
10. MAINTAIN MINIMUM SEPARATION FROM POWER WIRING IN ACCORDANCE WITH NEC, BICSI, AND MANUFACTURER REQUIREMENTS.
11. INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE. DO NOT ROUTE CONDUITS DIAGONALLY.
12. ALL CONDUIT SIZES SHALL BE 3/4" EMT MINIMUM UNLESS NOTED OTHERWISE.
13. PROVIDE EMPTY CONDUIT STUB-UPS ABOVE ACCESSIBLE CEILINGS WITH PULL STRINGS FOR ALL LOW VOLTAGE DEVICES UNLESS OTHERWISE NOTED

LOW VOLTAGE/TELCOM PATHWAY NOTES

1. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL TELECOMMUNICATIONS OUTLET LOCATIONS WITH FURNITURE, EQUIPMENT, AND OWNER REQUIREMENTS.
3. INSTALL CONDUITS AND CABLE SUPPORT SYSTEMS TO MAINTAIN A MINIMUM 5-INCH SEPARATION FROM FLUORESCENT LIGHTING FIXTURES AND POWER SYSTEMS.
4. IF CONFLICTS EXIST BETWEEN TELECOMMUNICATIONS DRAWINGS AND OTHER TRADES, NOTIFY THE ENGINEER PRIOR TO INSTALLATION.
5. MAINTAIN A MINIMUM BEND RADIUS OF SIX (6) TIMES THE CONDUIT DIAMETER FOR CONDUITS 2" AND SMALLER.
6. PROVIDE ACCESSIBLE PULL BOXES FOR EVERY 100 FEET OF CONDUIT RUN OR AFTER EVERY 180 DEGREES OF TOTAL BEND.
7. DO NOT INSTALL CONDUITS ON MORE THAN TWO SIDES OF A PULL BOX.
8. DO NOT UTILIZE PULL BOXES TO CHANGE DIRECTION OF CONDUIT RUNS IN LIEU OF SWEEPS OR OFFSETS. CONDUIT PATHWAYS SHALL BE ROUTED TO ALLOW FUTURE CABLE INSTALLATION AND MAINTENANCE.

LOW VOLTAGE/TELCOM DEVICE ROUGH IN NOTES

DATA OUTLETS
1. PROVIDE 4" SQUARE BOX WITH SINGLE-GANG MUD RING.
2. MOUNT OUTLETS AT 18" AFF TO CENTERLINE UNLESS NOTED OTHERWISE.
3. PROVIDE ONE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
4. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.

WIRELESS ACCESS POINTS (WAP)
1. PROVIDE ONE (1) 1" CONDUIT FROM DEVICE LOCATION TO ACCESSIBLE CEILING SPACE.
2.
3. PROVIDE 4" SQUARE BOX ABOVE CEILING.
4.
5. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
6.
7. FINAL LOCATION SHALL BE COORDINATED WITH LOW VOLTAGE CONTRACTOR.

SECURITY CAMERAS
1. PROVIDE ONE (1) 1" CONDUIT FROM CAMERA LOCATION TO ACCESSIBLE CEILING SPACE.
2. PROVIDE 4" SQUARE BOX WITH BLANK COVER.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. INTERIOR CAMERAS SHALL BE MOUNTED AT APPROXIMATELY 9'-0" AFF UNLESS NOTED OTHERWISE.
5. EXTERIOR CAMERAS SHALL BE MOUNTED AT APPROXIMATELY 10'-0" TO 14'-0" AFF UNLESS NOTED OTHERWISE.

CARD READERS (CR)
1. PROVIDE SINGLE-GANG BOX.
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3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. MOUNT CARD READERS AT 48" AFF TO CENTERLINE.
5. COORDINATE WITH ACCESS CONTROL CONTRACTOR AND DOOR HARDWARE SUPPLIER.

DOOR ACCESS CONTROL DEVICES
1. PROVIDE CONDUITS FOR CARD READERS, ELECTRIC STRIKES OR MAGLOCKS, DOOR POSITION SWITCHES, AND REQUEST-TO-EXIT DEVICES.
2. PROVIDE 3/4" CONDUITS BETWEEN DOOR FRAME AND ACCESS CONTROL DEVICE LOCATIONS.
3. COORDINATE FINAL REQUIREMENTS WITH ACCESS CONTROL CONTRACTOR.

SECURITY MOTION DETECTORS
1. PROVIDE SINGLE-GANG BOX WITH 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
2. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
3. WALL-MOUNTED MOTION DETECTORS SHALL BE INSTALLED AT 7'-6" TO 8'-0" AFF UNLESS OTHERWISE
4. REQUIRED BY MANUFACTURER.

CEILING-MOUNTED MOTION DETECTORS
1. PROVIDE 4" SQUARE BOX ABOVE CEILING.
2. PROVIDE 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
3. PROVIDE PULL STRING AND LEAVE CONDUIT EMPTY.
4. COORDINATE FINAL LOCATION WITH SECURITY CONTRACTOR.

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

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Seal:

REVISIONS

Drawing:
SECOND FLOOR LOW VOLTAGE PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-402

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code: 2020 New York State Energy Conservation Construction Code
Project Title: Ossining Community Center
Location: Ossining, New York
Climate Zone: 4a
Project Type: Alteration
Project No: 98175
All Electric: false
Is Renewable: false
Has Battery: false
Has Charger: false
Has Heat Pump false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Building Area

Description	Floor Area
1-Town Hall (Town Hall) - Nonresidential	16000

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2020 New York State Energy Conservation Construction Code
Project Title: Ossining Community Center
Location: Ossining, New York
Climate Zone: 4a
Project Type: Alteration

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Second Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)	8000	0	0
2-First Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)	8000	0	0
Allowance: Decorative Appearance (not lobbies) / Fix. ID: K-1	50 (a)	0.75	38 (b)
Allowance: Decorative Appearance in lobbies / Fix. ID: T	80 (a)	0.9	72 (b)
Total Allowed Watts:			12800

(a) Area claimed must not exceed the illuminated area permitted for this allowance type.
(b) Allowance is (B X C) or the actual wattage of the fixtures given in Proposed Power section, whichever is less.

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Second Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)			
J: J: LED:	29	38.8	1125.2
P: P: LED:	6	17.4	104.4
A-1: A-1: LED:	17	23.5	399.5
D: D: LED:	23	14	322
B-1: B-1: LED:	7	35.5	248.5
C-3: C-3: LED:	3	11.8	35.4
C-2: C-2: LED:	1	23.5	23.5
C-1: C-1: LED:	2	47	94
F: F: LED:	7	27.7	193.9
P: P: LED:	20	17.4	348
K: K: LED:	10	28	280
L: L: LED:	4	59.5	238
2-First Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)			
S: S: LED:	10	38.8	388

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
Q: Q: LED:	6	60	360
B: B: LED:	4	53.3	213.2
R: R: LED:	2	60	120
K-1: K-1: LED:	4	28	112
D: D: LED:	9	14	126
A-1: A-1: LED:	44	23.5	1034
C-2: C-2: LED:	9	23.5	211.5
C-1: C-1: LED:	5	47	235
T: T: LED:	1	100	100
N: N: LED:	5	39.5	197.5

Total Proposed Watts:

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Second Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)	
J: J: LED:	Interior Timeswitch, Manual Control
P: P: LED:	Interior Timeswitch, Manual Control
A-1: A-1: LED:	Interior Timeswitch, Manual Control
D: D: LED:	Interior Timeswitch, Manual Control
B-1: B-1: LED:	Interior Timeswitch, Manual Control
C-3: C-3: LED:	Interior Timeswitch, Manual Control
C-2: C-2: LED:	Interior Timeswitch, Manual Control
C-1: C-1: LED:	Interior Timeswitch, Manual Control
F: F: LED:	Interior Timeswitch, Manual Control
P: P: LED:	Interior Timeswitch, Manual Control
K: K: LED:	Interior Timeswitch, Manual Control
L: L: LED:	Interior Timeswitch, Manual Control
2-First Floor (Common Space Types:Atrium) (Ceiling Height 0 ft.) (wattage exempt for this area)	
S: S: LED:	Interior Timeswitch, Manual Control
Q: Q: LED:	Interior Timeswitch, Manual Control
B: B: LED:	Interior Timeswitch, Manual Control
R: R: LED:	Interior Timeswitch, Manual Control
K-1: K-1: LED:	Interior Timeswitch, Manual Control
D: D: LED:	Interior Timeswitch, Manual Control
A-1: A-1: LED:	Interior Timeswitch, Manual Control
C-2: C-2: LED:	Interior Timeswitch, Manual Control
C-1: C-1: LED:	Interior Timeswitch, Manual Control
T: T: LED:	Interior Timeswitch, Manual Control
N: N: LED:	Interior Timeswitch, Manual Control

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2020 New York State

Energy Conservation Construction Code requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2020 New York State Energy Conservation Construction Code
Project Title: Ossining Community Center
Location: Ossining, New York
Climate Zone: 4a
Project Type: Alteration
Exterior Lighting Zone: Neighborhood business district (LZ2)

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
OUTDOOR GARDEN (Plaza area)	5045 ft2	0.10	No	504.5
Total Tradable Watts (a):				504.5
Base Site Allowance (b):				400
Total Allowed Watts:				904.5

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
OUTDOOR GARDEN (Plaza area, 5045 ft2) - Tradeable Wattage			
U: U: LED:	6	40	240
Y: Y: LED:	8	32	256
Z: Z: LED:	4	100	400
Total Tradable Proposed Watts:			896

Proposed Exterior Lighting Controls

Fixture	Lighting Control
OUTDOOR GARDEN (Plaza area, 5045 ft2)	
U: U: LED:	Daylight Shutoff, Lighting Setback
Y: Y: LED:	Daylight Shutoff, Lighting Setback
Z: Z: LED:	Daylight Shutoff, Lighting Setback

Exterior Lighting PASSES

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2020 New York State Energy Conservation Construction Code requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 2020 New York State Energy Conservation Construction Code

Requirements: 46% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4]*	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C103.2 [PR8]*	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22]*	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.5 [EL28]*	Manual controls required by the energy code are in a location with ready access to occupants, located where the controlled lights are visible, or identify the area served and their status.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.6 [EL30]*	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 50%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1, C405.2.1.1 [EL15]*	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting rooms, employee lounges, staff rooms, lunchrooms/cafeterias, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces 300 sq.ft. or less enclosed by floor to ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1.2 [EL19]*	Occupancy sensors control function in warehouses. In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The sensors control the general lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1.3 [EL20]*	Occupant sensor control function in open plan office areas. In open plan office areas, the open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) configured to turn off lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that the lighting power in each control zone is reduced by >= 50% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any occupant in the space can turn on the space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21]*	Each area not served by occupancy sensors required by C405.2.1 have time-switch control functions described in sections C405.2.2.1 and C405.2.2.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23]*	Daylight zones provided with individual control of the electric lighting independent of general area lighting. See code section C405.2.3 Daylight responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.4 [EL26]*	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4 [EL27]*	Additional interior lighting power allowed for special use areas as approved on lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]*	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5.1 [FI16]*	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33]*	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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Seal:

REVISIONS

Drawing:
LIGHTING COM CHECK

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
E-501

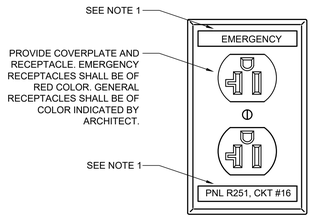
BRANCH CIRCUIT VOLTAGE DROP

CONDUCTOR AWG	#12	#10	#8
MAXIMUM CONDUCTOR LENGTH (IN FT.) AT 120V	95	160	245
MAXIMUM CONDUCTOR LENGTH (IN FT.) AT 208V,1PH	170	280	425
GROUND CONDUCTOR AWG	#12	#12	#12

NOTES:

1. INCREASE BRANCH CIRCUIT CONDUCTOR AS REQUIRED.
2. BASED ON 20 AMP CIRCUIT LOADED TO 10 AMP USING SINGLE PHASE, 2 WIRE CIRCUITS.
3. SCHEDULE REPRESENTS MINIMUM CONDUCTOR SIZE BASED ON LENGTH OF BRANCH CIRCUIT CONDUCTOR FROM PANEL TO PHYSICAL CENTER OF LOAD TO OVERCOME VOLTAGE DROP. 3% VOLTAGE DROP ASSUMED.
4. TRANSITION FROM LARGER CONDUCTOR SIZE TO #12 FOR FINAL TERMINATION TO OUTLET DEVICE. PROVIDE JUNCTION BOX WITHIN 10' OF OUTLET. EXTEND #12 CONDUCTOR TO OUTLET.

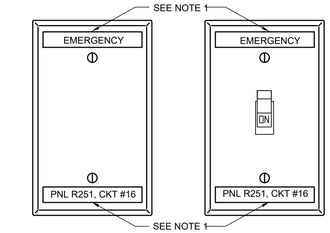
1 BRANCH CIRCUIT VOLTAGE DROP TABLE
SCALE: NTS



NOTES:

1. NAMEPLATES SHALL HAVE WHITE LETTERS ON BLACK BACKGROUND.
2. NAMEPLATES SHALL BE FASTENED BY MACHINE SCREWS. ADHESIVES WILL NOT BE ALLOWED.
3 NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL CENTERS, STARTERS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, TRANSFORMERS, CABINETS, ETC.

2 TYPICAL ENGRAVED NAME PLATE
SCALE: NTS



NOTES:

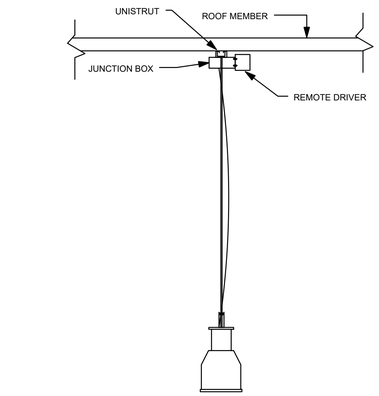
1. AT A MINIMUM, ELECTRICAL CONTRACTOR SHALL PROVIDE TYPED LABELS WITH PTOUCH MACHINE TO INDICATE PANEL NAME AND CIRCUIT NUMBER. PROVIDE 'EMERGENCY' TYPED LABEL FOR CIRCUITS CONNECTED TO EMERGENCY PANELS. COORDINATE EXACT NAMING WITH FACILITY'S PERSONNEL. IF FACILITY STANDARD IS ENGRAVED COVERPLATES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ENGRAVED COVERPLATES TO MATCH FACILITY REQUIREMENTS.

3 TYPICAL COVERPLATE AND SWITCH
SCALE: NTS

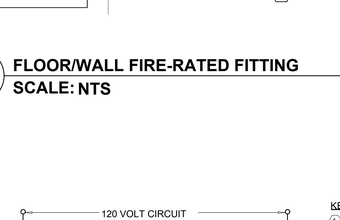
NOTES:

1. AT A MINIMUM, ELECTRICAL CONTRACTOR SHALL PROVIDE TYPED LABELS WITH PTOUCH MACHINE TO INDICATE PANEL NAME AND CIRCUIT NUMBER. PROVIDE 'EMERGENCY' TYPED LABEL FOR CIRCUITS CONNECTED TO EMERGENCY PANELS. COORDINATE EXACT NAMING WITH FACILITY'S PERSONNEL. IF FACILITY STANDARD IS ENGRAVED COVERPLATES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ENGRAVED COVERPLATES TO MATCH FACILITY REQUIREMENTS.

4 TYPICAL RECEPTACLE LABELING
SCALE: NTS



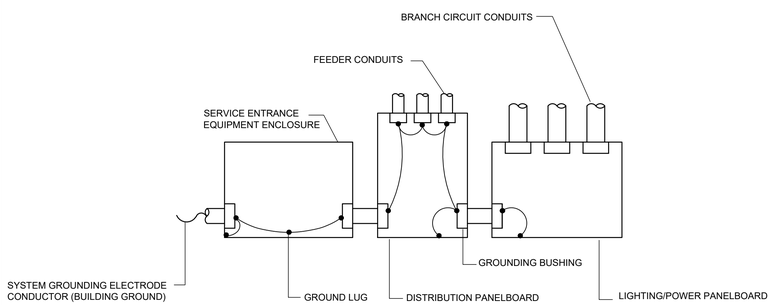
5 PENDANT INSTALLATION DETAIL
NOT TO SCALE



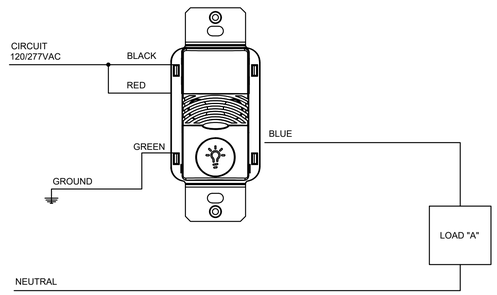
NOTES:

1 STEEL CLAMPING SCREW
2 STEEL UPPER PLATE
3 FIRESTOP GROMMET
4 CONCRETE FLOOR/WALL
5 STEEL LOWER PLATE
6 STAINLESS STEEL CLAMP
7 FLEXIBLE METAL CONDUIT
8 CORE DRILLED HOLE

6 FLOOR/WALL FIRE-RATED FITTING
SCALE: NTS



7 TYPICAL RACEWAY EQUIPMENT GROUNDING
SCALE: N.T.S.



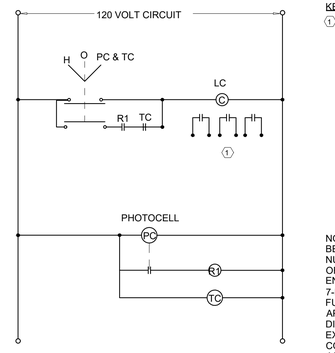
ONW AND VNW MANUAL MODE

1. SWITCHES IS REQUIRED TO TURN LOADS ON.
2. LOADS TURN OFF WHEN SENSOR TIMES OUT OR WITH SWITCHES.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOADS WILL NOT TURN ON.

ONW - AUTOMATIC MODE

1. WHEN SENSOR ACTIVATES LOADS TURN ON.
2. SWITCHES CAN BE USED TO TURN LOADS ON OR OFF.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT,LOADS WILL NOT ON.

8 WALL SWITCH SENSOR WIRING DIAGRAM
SCALE: N.T.S.



KEYNOTE:

1 ALL EXTERIOR LIGHTING CIRCUITS (BUILDING MOUNTED SECURITY LIGHTS) TO BE CONTROLLED BY HAND, PHOTOCELL (PC), AND TIME CLOCK (TC) VIA CONTACTOR LC IN ELECTRICAL ROOM.

NOTE: LIGHTING CONTACTORS SHALL BE EQUAL TO SQUARE-D CATALOG NUMBER LXG60V02 INCLUDING HAND-OFF-AUTO SWITCH IN NEMA 1 ENCLOSURE. TIME CLOCK: 2-CHANNEL, 7-DAY TIME CLOCK WITH ASTRONOMIC FUNCTION BY TORK #DZS SERIES OR APPROVED EQUAL PROGRAM AS DIRECTED BY FACILITY MANAGER. EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL "ON" AND ASTRONOMIC TIMECLOCK "OFF."

9 EXTERIOR LIGHTING DETAILS
SCALE: N.T.S.

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Seal:

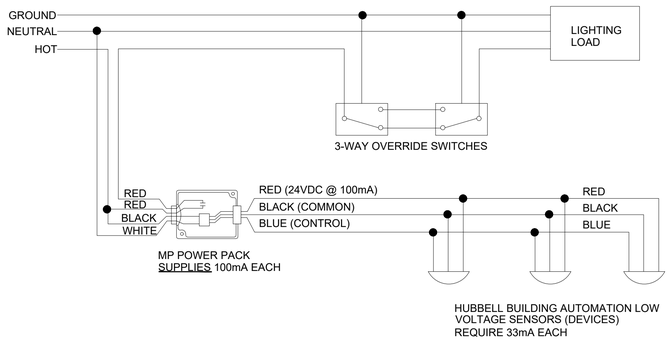
REVISIONS

Drawing:
ELECTRICAL DETAILS -1

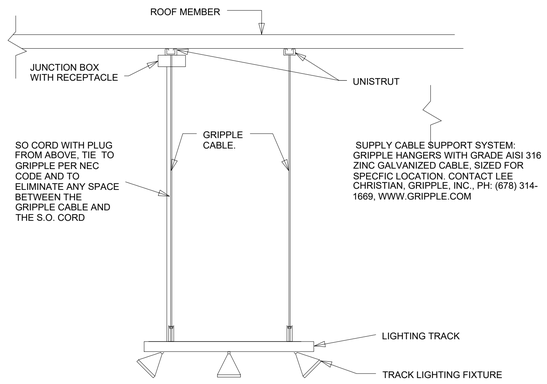
Project Number:	Responsible Party:	Reviewed By:

Scale:

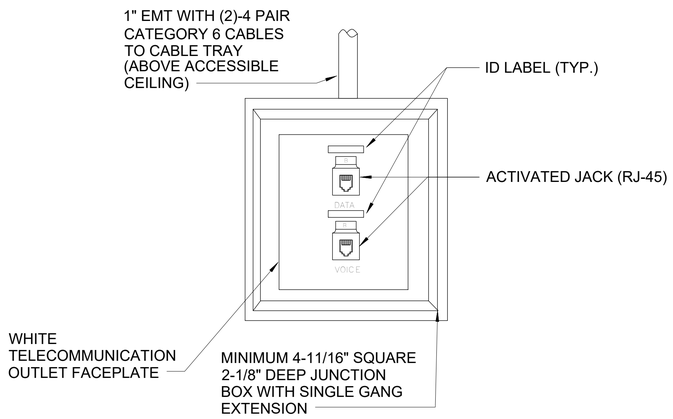
Drawing Number:
E-601



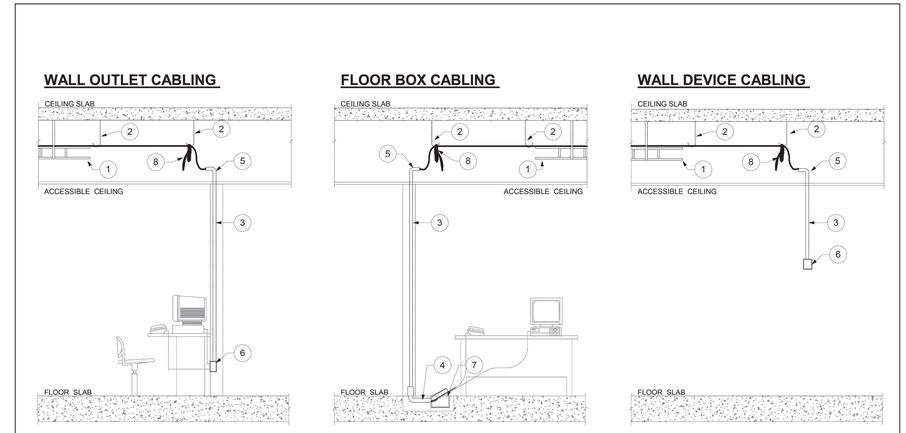
10 CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: N.T.S.



11 TRACK LIGHTING HANGING DETAIL
SCALE: N.T.S.



12 DUAL TELECOMMUNICATIONS OUTLET
SCALE: N.T.S.



OUTLET CONDUIT AND BACKBOX NOTES

1. INSTALL CABLE IN HORIZONTAL CABLE TRAYS AND ROUTE AS PER DRAWINGS WITHIN THIS SET.
2. PROVIDE J-HOOKS SECURED INDEPENDENTLY TO BUILDING STRUCTURE.
   - DO NOT SUPPORT J-HOOKS ON ANY BUILDING SYSTEMS SUCH AS HVAC DUCTS, PLUMBING PIPING, SPRINKLER PIPING, ETC.
   - J-HOOK MAXIMUM SPACING IS TO BE 5 FEET ON CENTER.
   - MAXIMUM DISTANCE FROM CABLE TRAY TO J-HOOK OR FROM CONDUIT STUB UP TO J-HOOK IS 6 INCHES.
3. INSTALL CONDUIT WITHIN WALL. MINIMUM SIZE IS 3/4", REFER TO OUTLET TYPES FOR SIZING.
4. CONDUIT TRENCHED IN SLAB, WITH TURN UP AND STUB UP INTO WALL.
5. PROVIDE BEND TAKING CONDUIT FROM VERTICAL TO HORIZONTAL.
   - BEND RADIUS SHALL BE 6-TIMES THE CONDUIT'S INTERIOR DIAMETER FOR CONDUITS 2 INCHES AND SMALLER, AND 10-TIMES THE CONDUIT'S INTERIOR DIAMETER FOR CONDUITS 2 1/2 INCHES AND LARGER.
   - PROVIDE NON-METALLIC BUSHING. INSTALL BUSHING PRIOR TO THE INSTALLATION OF THE CABLE.
6. 2-GANG (4-INCH) OUTLET BACKBOX WITH INTEGRAL CABLE MANAGEMENT, AND MUD RING. COORDINATE WITH GENERAL CONTRACTOR FOR MUD RING DEPTH.
   - PROVIDE 12 INCHES OF SLACK ON CABLES INSTALLED WITHIN BACK BOX.
7. 2-GANG (4-INCH) OUTLET FLOOR BOX WITH INTEGRAL CABLE MANAGEMENT.
   - PROVIDE 12 INCHES OF SLACK ON CABLES INSTALLED WITHIN BACK BOX.
8. PROVIDE 6-FOOT SERVICE LOOP, COILED IN A 12-INCH DIAMETER CIRCLE. SECURE TO CLOSEST J-HOOK TO THE CONDUIT STUB UP. SERVICE LOOP SHALL BE FASTENED WITH RESEALABLE HOOK-AND-LOOP CABLE FASTENERS
   - PLASTIC AND METAL ZIP TIES ARE NOT PERMITTED.

13 OUTLET CONDUIT ROUTING
SCALE: N.T.S.

EXISTING PANEL LP-2A

POLES 42 | **VOLTS** 208Y/120 VOLTS | **MOUNTING** SURFACE
MIN AIC EXISTING | **PH/WIRE** 3 PHASE/4 WIRE (A, B, C, N, EG) | **LOCATION** SEE PLANS
NOTES | **MAIN** 100A MCB | **FED FROM** EXISTING
NEUTRAL 100%

LOAD DESCRIPTION	LOAD KVA	BREAKER NOTE	BREAKER TRIP	CKT #	PHASE KVA A	PHASE KVA B	PHASE KVA C	CKT #	BREAKER TRIP	BREAKER NOTE	LOAD KVA	LOAD DESCRIPTION
LIGHTING	**0.80**		**20**	**1**	1.34			**2**	**20**		**0.54**	**NEW RECEPTACLES**
LIGHTING	**0.80**		**20**	**3**		1.52		**4**	**20**		**0.72**	**NEW RECEPTACLES**
LIGHTING	**0.80**		**20**	**5**			1.34	**6**	**20**		**0.54**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**7**	0.86			**8**	**20**		**0.36**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**9**		1.00		**10**	**20**		**0.50**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**11**			1.04	**12**	**20**		**0.54**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**13**	0.86			**14**	**20**		**0.36**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**15**		1.00		**16**	**20**		**0.50**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**17**			1.00	**18**	**20**		**0.50**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**19**	0.86			**20**	**20**		**0.36**	**NEW RECEPTACLES**
EXISTING LOAD	0.50		20	**21**		1.00		**22**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**23**			1.00	**24**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**25**	1.00			**26**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**27**		1.00		**28**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**29**			1.00	**30**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**31**	1.00			**32**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**33**		1.00		**34**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**35**			1.00	**36**	20		0.50	EXISTING LOAD
EXISITING SUB PANEL	3.00		60	**37**	3.50			**38**			0.50	
	3.00			**39**		3.50		**40**	20		0.50	EXISTING LOAD
	3.00			**41**			3.50	**42**	20		0.50	EXISTING LOAD
TOTAL CONNECTED KVA PER PHASE					9.4	10.0	9.9					

LOAD COMPUTATIONS AND MINIMUM FEEDER AMPACITY

CATEGORY	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA	DEMAND AMPS	MULTIPLIER	MINIMUM AMPACITY
LIGHTING	1.6	1.00	1.6	4.4	1.25	5.6
RECEPTACLES	4.9	NEC TABLE 220.44	4.9	13.7	1.00	13.7
KITCHEN EQUIPMENT		0.65			1.00	
ELECTRICAL HEATING EQUIP		1.00			1.00	
WATER HEATER		1.00			1.25	
MISCELLANEOUS	22.8	1.00	22.8	63.3	1.00	63.3
		1.00			1.00	
		1.00			1.00	
TOTAL CONNECTED - KVA	29.3	TOTAL DEMAND AMPS	81	TOTAL MINIMUM FEEDER AMPACITY		83

NOTES :
1) ALL EXISTING BREAKERS WHICH ARE NOT IN USE SHALL BE REUSED AND RECRICUITED AS PER THE LATEST NEC AND LOCAL CODE.
2) E.C SHALL VERIFY THE AVAILBILITY OF THE SPARES ON THE PANEL AND RELOCATE THE LOADS AS APPROPRIATE BASED ON THE FIELD CONDITIONS
3) E.C SHALL REUSE THE BREAKER AND PROVIDE CLEAR LABEL FOR ALL LOADS INCLUDING THE SPARE BREAKERS.

EXISTING PANEL LP-C

POLES 30 | **VOLTS** 208Y/120 VOLTS | **MOUNTING** SURFACE
MIN AIC EXISTING | **PH/WIRE** 3 PHASE/4 WIRE (A, B, C, N, EG) | **LOCATION** SEE PLAN
NOTES | **MAIN** 125A MLO | **FED FROM** EXISTING
NEUTRAL 100%

LOAD DESCRIPTION	LOAD KVA	BREAKER NOTE	BREAKER TRIP	CKT #	PHASE KVA A	PHASE KVA B	PHASE KVA C	CKT #	BREAKER TRIP	BREAKER NOTE	LOAD KVA	LOAD DESCRIPTION
EXISTING LOAD	0.50		20	**1**	1.00			**2**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**3**		1.00		**4**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**5**			1.00	**6**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**7**	1.00			**8**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**9**		1.00		**10**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**11**			1.00	**12**	20		0.50	EXISTING LOAD
EXISTING LOAD	0.50		20	**13**	1.00			**14**	20		0.50	EXISTING POLE LIGHTS
NEW RECEPTACLES	**0.72**		**20**	**15**		1.22		**16**			0.50	
NEW RECEPTACLES	**0.72**		**20**	**17**			1.22	**18**	20		0.50	EXISTING POLE LIGHTS
NEW RECEPTACLES	**0.90**		**20**	**19**	1.40			**20**			0.50	
NEW RECEPTACLES	**0.72**		**20**	**21**		1.22		**22**	20		0.50	EXISTING POLE LIGHTS
NEW RECEPTACLES	**0.72**		**20**	**23**			1.22	**24**			0.50	
NEW RECEPTACLES	**0.72**		**20**	**25**	1.44			**26**	**20**		**0.72**	**NEW RECEPTACLES**
NEW RECEPTACLES	**0.54**		**20**	**27**		1.04		**28**	**20**		**0.50**	**HAND DRYER**
NEW RECEPTACLES	**0.80**		**20**	**29**			1.30	**30**	**20**		**0.50**	**HAND DRYER**
TOTAL CONNECTED KVA PER PHASE					5.8	5.5	5.7					

LOAD COMPUTATIONS AND MINIMUM FEEDER AMPACITY

CATEGORY	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA	DEMAND AMPS	MULTIPLIER	MINIMUM AMPACITY
LIGHTING		1.00			1.25	
RECEPTACLES	7.6	NEC TABLE 220.44	7.6	21.0	1.00	21.0
EQUIPMENT (NON CONCURRENT USE)		0.50			1.00	
ELECTRICAL HEATING EQUIP		1.00			1.00	
WATER HEATER		1.00			1.25	
MISCELLANEOUS	9.5	1.00	9.5	26.4	1.00	26.4
		1.00			1.00	
	0	1.00			1.00	
TOTAL CONNECTED - KVA	17.1	TOTAL DEMAND AMPS	47	TOTAL MINIMUM FEEDER AMPACITY		47

NOTES :
1) E.C SHALL VERIFY THE AVAILBILITY OF THE SPARES ON THE PANEL AND RELOCATE THE LOADS AS APPROPRIATE BASED ON THE FIELD CONDITIONS
2) E.C SHALL REUSE THE BREAKER AND PROVIDE CLEAR LABEL FOR ALL LOADS INCLUDING THE SPARE BREAKERS.

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ELECTRICAL DETAILS -2

Project Number:	Responsible Party:	Reviewed By:

Scale:

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E-602

1. **DEMOLITION**

A. FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON DRAWINGS OR AS OTHERWISE DIRECTED BY INCLUDING TEMPORARY PROTECTION AS INDICATED BELOW:
B. PROVIDE TEMPORARY PROTECTIONS AS REQUIRED TO PRESERVE EXISTING ITEMS INDICATED TO REMAIN AND RESTORE DAMAGED WORK TO THE CONDITION EXISTING PRIOR TO THE START OF WORK, UNLESS OTHERWISE DIRECTED.
C. CONTROL DUST AND DIRT CAUSED BY DEMOLITION OPERATIONS. AREA OUTSIDE THE AREA OF WORK SHALL BE KEPT CLEAN FROM DIRT AND DUST.
D. ALL ACTIVE MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND PLUMBING SYSTEMS TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
E. ALL WORK DEMOLISHED SHALL BE REMOVED FROM THE PREMISES EXCEPT ITEMS TO BE REUSED OR RETURNED TO OWNER OR AS OTHERWISE INDICATED.
F. AT ALL TIMES PROTECT THE PROPERTY OF THE OWNER, INCLUDING BUT NOT LIMITED TO WINDOWS, FLOOR, AND CEILING TILE, PUBLIC TOILETS, ELEVATORS, DOORS, BUCKS, ELECTRICAL AND AIR CONDITIONING EQUIPMENT, LIGHT FIXTURES, CONVECTOR ENCLOSURES, ETC.
G. REMOVE ALL ABANDONED CONDUITS LEFT AFTER WALL DEMOLITION, INCLUDING SWITCH BOXES, PLATES, BRIDGES, OR ANY OTHER TELEPHONE OR ELECTRICAL, WIRING, AND EQUIPMENT.
H. ALL ELECTRICAL DEVICES INDICATED TO BE REMOVED IN AREAS BEING RENOVATED AND SERVED BY CIRCUIT(S) WHICH DO NOT SERVE DEVICES IN OTHER AREAS BEING RENOVATED SHALL BE COMPLETELY REMOVED WITH ASSOCIATED WIRING, BOXES, ETC. BACK TO THE ASSOCIATED POWER PANEL. DEVICES TO BE DISCARDED.
I. ELECTRICAL DEVICES INDICATED TO BE REMOVED IN AREAS BEING RENOVATED AND SERVED BY CIRCUIT(S) WHICH SERVE DEVICES IN AREAS NOT AFFECTED BY RENOVATION WORK SHALL BE REMOVED WITH ASSOCIATED WIRING, BOXES, ETC. TO THE NEAREST BOX IN THE UNAFFECTED AREA. DEVICES IN AREAS UNAFFECTED BY RENOVATION/ DEMOLITION SHALL BE REROUTED AND REMAIN ACTIVE.

2. **PATCHING AND CUTTING**

A. PERFORM ALL CUTTING, FITTING AND PATCHING WORK THAT MAY BE REQUIRED BY ITS WORK AND AS SHOWN OR REASONABLY IMPLIED BY THE DRAWINGS AND NOTES.
B. PERFORM WORK IN ADVANCE OF THE WORK OF OTHERS WHENEVER POSSIBLE IN ORDER TO MINIMIZE CUTTING AND PATCHING.
C. ALL DAMAGED AREAS AND EXISTING AREAS EFFECTED BY DEMOLITION OR NEW CONSTRUCTION WORK SHOWN ON DRAWINGS SHALL BE PATCHED AS REQUIRED TO MATCH IMMEDIATE EXISTING ADJACENT AREAS IN MATERIAL, FIRE RATING, FINISH COLOR, UNLESS OTHERWISE NOTED.
D. THE ELECTRICAL CONTRACTOR IS TO REPLACE THE INTEGRITY OF RATED PARTITIONS, COLUMNS AND BEAM FIREPROOFING EFFECTED BY ITS WORK. REPLACEMENT TO COMPLY WITH LOCAL CODES.
E. PROVIDE SUPPORTS TO ASSURE STRUCTURAL INTEGRITY OF SURROUNDINGS, DEVICES AND METHODS TO PROTECT OTHER PORTIONS OF PROJECT FROM DAMAGE.
F. EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER WORK, AND WHICH WILL PROVIDE PROPER SURFACES TO RECEIVE PATCHING AND FINISHING.

3. **GENERAL**

A. FURNISH AND INSTALL ALL ELECTRICAL WORK AS SHOWN ON THE DRAWINGS AND THESE SPECIFICATIONS HEREIN. WORK INCLUDES THE FOLLOWING UNDERSTANDINGS:

a. CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO OUTLINE BASIC ENGINEERING AND SYSTEMS DESIGN, THEREFORE DO NOT SHOW MINOR DETAILS AND ACCESSORIES. BECAUSE A MINOR COMPONENT IS NOT SHOWN, SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR FURNISHING AND INSTALLING ALL SUCH ITEMS NECESSARY TO PROVIDE COMPLETE, OPERATIVE AND PROPERLY INSTALLED SYSTEMS TO THE OWNER, UNDER THE BASIC CONTRACT. IF THERE ARE ANY DOUBTS AS TO WORK REQUIRED, THE CONTRACTOR SHALL OBTAIN A CLARIFICATION FROM THE ENGINEER IN THE BID STAGE.
b. THE CONTRACT DRAWINGS SHOW THE INTENDED LOCATION OF THE EQUIPMENT, HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MINOR ADJUSTMENTS OR RELOCATIONS NECESSARY DUE TO CHOICE OF EQUIPMENT AND COORDINATION CONFLICTS. ALL EQUIPMENT RELOCATIONS MUST BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL.
c. THE PROJECT DRAWINGS, THIS SPECIFICATION, AND OTHER RELATED DOCUMENTS ARE COMPLEMENTARY. ITEMS REQUIRED BY ONE SHALL DESIGNATE REQUIREMENT BY THE OTHER, WHETHER EXPLICITLY STATED OR NOT. WHERE DOCUMENTS CONFLICT, THE WORK OF THE MORE STRINGENT NATURE SHALL BE REQUIRED.
d. COOPERATION AND COORDINATION WITH UTILITIES, OWNER, AND OTHER SUBCONTRACTORS IS MANDATORY.
e. EXISTING WORK AND UTILITIES WHICH ARE DAMAGED OR DISTURBED DUE TO ANY PHASE OF OPERATIONS, SHALL BE RESTORED TO THE SATISFACTION OF FPA, THE OWNER, AND THE GOVERNING AUTHORITIES.
f. PROCUREMENT AND INSTALLATION OF MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE COORDINATED WITH THE WORK OF THE OTHER TRADES, INCLUDING ALL WORK SHOWN ON THE PLUMBING, MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND ARCHITECTURAL DRAWINGS.

B. APPLICABLE STANDARDS OF THE FOLLOWING ARE MADE A PART HEREOF, AND HERETO. THE LATEST ADOPTED EDITION SHALL PREVAIL.

a. NATIONAL ELECTRICAL CODE (NEC)
b. INTERNATIONAL BUILDING CODE (IBC)
c. NATIONAL ELECTROMAG SAFETY CODE (NESC)
d. ACCESSIBLE AND USABLE BUILDING AND FACILITIES (ICC/ANSI A117.1)
e. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
f. ANSI/ASHRAE/IESNA STANDARD 90.1

C. CLEARANCES FOR WORKING SPACE AND MAINTENANCE SHALL BE MAINTAINED AS REQUIRED BY CODE AND/OR MANUFACTURER'S REQUIREMENT, WHICHEVER IS MORE STRINGENT.

D. "PROVIDE" AND/OR "FURNISH AND INSTALL" MEANS PURCHASE, ARRANGE DELIVERY, UNLOAD, INSTALL, CONNECT, TEST, AND LEAVE READY FOR OPERATION.

E. THE WORK CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS HEREIN SHALL BE COORDINATED WITH THE STRUCTURE AND WORK OF ALL OTHER TRADES AND SHALL BE SO ARRANGED THAT THERE WILL BE NO DELAY IN THE PROPER INSTALLATION AND COMPLETION OF ANY PART OR PARTS OF EACH PERSPECTIVE WORK WHEREIN IT MAY BE INTERRELATED WITH THAT OF THIS CONTRACT SO THAT GENERALLY ALL WORK CAN PROCEED IN ITS NATURAL SEQUENCE WITHOUT UNNECESSARY DELAY.

F. REFER TO OTHER ENGINEERING DRAWINGS FOR ALL NECESSARY FIRE DAMPERS, ALARMS, SMOKE DETECTORS, AND FIRE COMMUNICATIONS EQUIPMENT AND INSTALL PER ALL APPLICABLE CODES, AGENCIES, AND LOCAL LAWS.

G. WHERE EXISTING POWER CIRCUITS HAVE BEEN DISTURBED, ALL COSTS FOR RECIRCUITING OF SAME IS TO BE INCLUDED.

H. SHOP DRAWINGS AND DATA SHEETS ARE REQUIRED FOR ASSEMBLIES AND EQUIPMENT. THEY SHALL PROVIDE ALL PERTINENT DATA AND INFORMATION NECESSARY TO EVALUATE EACH ITEM. IRRELEVANT INFORMATION ON DRAWINGS AND DATA SHEETS SHALL BE COMPLETELY MARKED OUT LEAVING ONLY DATA THAT PERTAINS TO THE ITEMS SUBMITTED FOR APPROVAL. DRAWINGS AND DATA SHEETS SHALL SHOW:
a. PRINCIPAL DIMENSIONS AND DETAILS OF CONSTRUCTION.
b. PERFORMANCE DATA.
c. UNDERWRITERS LABEL AND OTHER AUTHORITIES HAVING JURISDICTION OF EQUIPMENT REQUIRING LABELS.
d. CERTIFIED PERFORMANCE GUARANTEES.

I. FURNISH TEMPORARY CONNECTIONS TO SERVICES AND THE INSTRUMENTS FOR TESTING.

J. OVERLOAD DEVICES SHALL BE ADJUSTED AND SET TO SUIT THE LOADS WHICH THEY CONTROL.

K. ALL CHANGES SHALL BE MADE THAT ARE NECESSARY FOR ADJUSTING, SETTING, AND BALANCING.

L. PHASE ROTATION AT ALL BUSSES, PANELS, SWITCHGEAR ETC. SHALL BE CHECKED TO SEE THAT IT CONFORMS WITH RECOGNIZED STANDARDS.

M. BEFORE ENERGIZING ANY FACTORY FABRICATED EQUIPMENT, INSPECT EACH UNIT IN DETAIL. BOLTS AND CONNECTIONS SHALL BE TIGHT (TORQUE TIGHT WHERE REQUIRED) PER MANUFACTURERS SPECIFICATIONS. COMPONENTS SHALL BE ALIGNED AND THE EQUIPMENT SHALL BE PLACED IN A SAFE OPERATIONAL CONDITION.

N. THE COMPLETE ELECTRICAL SYSTEM SHALL BE FREE OF GROUNDS AND SHORT CIRCUITS. IT SHALL OPERATE PROPERLY UNDER FULL LOAD CONDITIONS WITHOUT EXCESSIVE HEATING AT ANY POINT IN THE SYSTEM.

O. FURNISH AND INSTALL 120 VAC CONTROL WIRING FOR THE MECHANICAL EQUIPMENT. WIRING DIAGRAMS TO BE OBTAINED FROM THE MECHANICAL CONTRACTOR AND CONTROL SHOP DRAWINGS.

P. OBTAIN ALL NECESSARY CONTROL WIRING DIAGRAMS FROM THE EQUIPMENT MANUFACTURER.

Q. PROVIDE ALL NECESSARY CONTROL CIRCUITS AND INTERLOCK WIRING BETWEEN UNITS.

R. ANY BUILDING SERVICE SHUTDOWNS REQUIRED FOR THIS WORK SHALL BE REQUESTED IN WRITING BY THE ELECTRICAL CONTRACTOR AT LEAST 72 HOURS IN ADVANCE OF THE SHUTDOWN. THE ELECTRICAL CONTRACTOR SHALL OBTAIN APPROVAL IN WRITING FROM THE OWNER PRIOR TO SHUTDOWN. ANY SHUTDOWN AFFECTING THE NORMAL ELECTRICAL SERVICE OF ANY BUILDING OCCUPANTS SHALL BE DONE ON OVERTIME.

S. INSTALL AND WIRE ALL CONTROL DEVICES AS INDICATED ON THE DRAWING. THE MECHANICAL CONTRACTOR WILL FURNISH ALL CONTROL DEVICES TO THE ELECTRICAL CONTRACTOR AND WILL ASSIST IN THE INSTALLATION OF SAME, UNLESS OTHERWISE NOTED.

4. **CONDUITS**

A. ALL CONDUIT SHALL BE CONCEALED IN CONCRETE SLAB, IN WALLS, OR ABOVE FINISHED CEILINGS, UNLESS OTHERWISE NOTED.
B. WHERE INDICATED, IN SERVICE AREAS, EXPOSED CONDUIT SHALL BE INSTALLED TO PROVIDE THE MAXIMUM HEADROOM BUT IN NO CASE SHALL CONDUIT BE INSTALLED LESS THAN SEVEN (7) FEET ABOVE THE FINISHED FLOOR. CONDUIT INSTALLED IN AREAS WHERE HUNG CEILINGS OR OTHER FURRED SPACES ARE INDICATED SHALL BE INSTALLED CONCEALED.
C. WHERE WORK IS TO BE CONCEALED, CARE SHALL BE TAKEN TO INSURE THAT IT DOES NOT PROJECT BEYOND THE FINISHED LINES OF FLOORS, CEILINGS, OR WALLS.
D. EXPOSED CONDUIT AND CONDUIT ABOVE CEILINGS SHALL BE RUN PARALLEL & PERPENDICULAR TO LINES OF THE BUILDING. BENDS SHALL BE FREE FROM DENTS OR FLATTENING. CONDUIT SHALL BE SUPPORTED AND SECURELY FASTENED.
E. CONDUIT SHALL BE INSTALLED TO MAINTAIN CLEARANCE FROM OTHER PIPING, VALVES, OR OTHER MECHANICAL EQUIPMENT, AND SHALL NOT BE INSTALLED WITHIN 6" OF HOT WATER, STEAM PIPING, HEATING FLUES, OR SIMILAR HOT SURFACES.
F. CONDUIT SIZES SHALL BE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE NEC, EXCEPT NO 1/2" CONDUIT WILL BE PERMITTED (ALL CONDUIT IN WALLS, FLOORS, ABOVE CEILINGS, EXPOSED, OR UNDERGROUND SHALL BE A MINIMUM OF 3/4".)
G. SLEEVES PASSING THROUGH FIRE WALLS AND ALL SLEEVES PASSING THROUGH FLOORS SHALL BE SIZED TO ALLOW SUFFICIENT SPACE BETWEEN SLEEVE AND CONDUIT FOR FIREPROOFING WITH 3M FIRE BARRIER CAULKING MATERIAL CP25, ALL SPARE SLEEVES PASSING THROUGH FIRE WALLS OR FLOORS SHALL BE THOROUGHLY PACKED WITH 3M FIRE BARRIER PUTTY 303 AND CAPPED.
H. FLEXIBLE (LIQUID TIGHT) CONDUIT SHALL BE PROVIDED TO CONNECT TO ALL MOTORS, DELICATE INSTRUMENTS AND CONTROLS, AND TO VIBRATING EQUIPMENT.
I. INSTALLATION SHALL BE SUCH SO AS TO SUPPORT CONDUIT WITHOUT SAGGING AND SHALL BE CLEAR OF THE WORK OF OTHER TRADES. PROVISIONS FOR EXPANSION AND CONTRACTION SHALL BE MADE.
J. CONDUITS SHALL BE FREE OF MOISTURE.
K. CONDUIT WORK, IN AREAS WHERE NO HUNG CEILINGS ARE PROVIDED, SHALL BE RUN EXPOSED UNLESS SPECIFICALLY NOTED OTHERWISE. IN EXPOSED AND HUNG CEILINGS ALL LIGHTING, RECEPTACLE, AND SWITCH BRANCH CIRCUITS SHALL BE RUN IN EMT. A SIX FOOT WHIP OF "MC" FLEXIBLE CONDUIT SHALL BE CONNECTED TO LIGHTING FIXTURES. IN STUD WALLS VERTICAL DROPS SHALL BE 'MC' FLEXIBLE CONDUIT. IN FINISHED OR UNFINISHED BLOCK WALLS VERTICAL DROPS SHALL BE EMT CONDUIT RUN IN THE WALL.
L. WIRING METHODS:
1.1.1. GENERAL:
a. ALL WIRING IN FINISHED AREAS SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
b. IN UNFINISHED AREAS SUCH AS BASEMENTS, MECHANICAL ROOMS, ELEVATOR MACHINE ROOMS, ELECTRIC CLOSETS, ETC., WIRING SHALL BE INSTALLED EXPOSED.
c. NO WIRING SHALL BE INSTALLED EXPOSED ON OUTSIDE SURFACES OF THE BUILDING UNLESS SPECIFICALLY NOTED.

2.1.1. BELOW GRADE:
a. BRANCH CIRCUITS SHALL CONSIST OF PULLED CONDUCTORS IN DIRECTLY BURIED SCHEDULE 40 PVC CONDUIT.

3.1.1. INDOORS:
a. ALL FEEDERS SHALL CONSIST OF PULLED CONDUCTORS IN EMT CONDUIT.
b. ALL BRANCH CIRCUITS SHALL CONSIST OF PULLED CONDUCTORS IN EMT, EXCEPT 15 AND 20 AMPERE LIGHTING, RECEPTACLE OR MISCELLANEOUS BRANCH CIRCUITS CONCEALED ABOVE SUSPENDED CEILINGS OR WITHIN DRY WALLS SHALL CONSIST OF TYPE MC CABLE.
c. CONNECTIONS TO VIBRATING EQUIPMENT SHALL CONSIST OF PULLED CONDUCTORS IN FLEXIBLE STEEL CONDUIT, MAXIMUM 18" IN LENGTH

4.1.1. OUTDOORS:
a. ALL FEEDERS AND BRANCH CIRCUITS IN WET LOCATIONS SHALL CONSIST OF PULLED CONDUCTORS IN RIGID GALVANIZED STEEL CONDUIT.
b. CONNECTIONS TO VIBRATING EQUIPMENT IN WET LOCATIONS SHALL CONSIST OF PULLED CONDUCTORS IN LIQUIDTIGHT FLEXIBLE STEEL CONDUIT, MAXIMUM 18" IN LENGTH.

5. **BOXES**

A. PULL BOXES SHALL BE OF AMPLE SIZE FOR THE APPLICATION, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEC REQUIREMENTS.
B. PULL BOXES SHALL BE INSTALLED BETWEEN A MAXIMUM OF EVERY 3 RIGHT ANGLE BENDS OR THE EQUIVALENT. LONG CONDUITS RUNS SHALL HAVE A PULL BOX AT LEAST EVERY 100'-0".
C. ALL PULL BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
D. ANY EXISTING JUNCTION BOXES, OUTLETS, THERMOSTATS, ETC. ON WALLS RECEIVING A NEW GYPSUM BOARD LAMINATION SHALL BE EXTENDED FLUSH TO THE NEW SURFACE.
E. ALL OUTLET BOXES FOR INTERIOR USE SHALL BE GALVANIZED STAMPED STEEL 4" SQUARE FURNISHED WITH KNOCKOUTS.

6. **CABLES/WIRES**

A. USE ONLY APPROVED TYPE LUBRICANT TO FACILITATE THE PULLING OF WIRE AND CABLE.
B. CONDUCTORS SHALL RUN CONTINUOUS FROM OUTLET TO OUTLET. SPLICES AND TAPS WILL NOT BE ALLOWED ALONG THE CONDUCTOR. CONDUCTORS SHALL TERMINATE IN TERMINAL LUGS OR CONNECTORS MADE UP OF INSULATED TERMINAL POSTS, APPROVED AND LISTED FOR THE PURPOSE.
C. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER 75°C. TYPE THWN AND THHN. ALL SIZES SHOWN ON THE DRAWINGS ARE BASED ON THHN COPPER.
D. WHENEVER MULTIPLE SETS OF FEEDERS ARE RUN TO A DEVICE OR PIECE OF EQUIPMENT, EACH SET SHALL RUN IN ITS OWN CONDUIT. MULTIPLE SETS OF FEEDERS ARE NOT PERMITTED IN A COMMON CONDUIT. NO EXCEPTIONS.
E. ALL PHASE LEG, NEUTRAL AND GROUND CONDUCTORS SHALL BE PROPERLY COLOR CODED IN ALL PANELS, TROUGHS, CABINETS, AND BOXES IN ACCORDANCE WITH THE NEC.
F. UNLESS OTHERWISE SPECIFIED, FURNISH ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF ALL ELECTRICAL WORK AND EQUIPMENT ASSOCIATED WITH THE PLUMBING, FIRE PROTECTION, HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT, AND PROCESS EQUIPMENT.
G. ALL CONDUCTORS SHALL BE COPPER.
H. CONDUCTORS UP TO AND INCLUDING SIZE #6 AWG. SHALL BE TYPE THWN-THHN. CONDUCTORS LARGER THAN SIZE #6 AWG. SHALL BE TYPE THWN, ALL RATED 600 VOLTS, COPPER CONDUCTORS.
I. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG FOR POWER AND #14 AWG. FOR CONTROL UNLESS OTHERWISE NOTED.
J. MAKE DIRECT CONNECTIONS AS REQUIRED TO ALL EQUIPMENT NOT FURNISHED WITH CORD AND PLUG.
K. ALL FEEDER WIRING RUN WITHIN THE BUILDING SHALL BE INSTALLED AS FOLLOWS:
a. EXPOSED WIRES SHALL BE RUN WITHIN EMT
b. CONCEALED WIRES SHALL BE MC CABLE TYPE
c. NM CABLES ARE PERMITTED WITHIN RESIDENTIAL SPACES
d. EXTERIOR WIRE SHALL BE TYPE XHHW-2
e. UNDERGROUND FEEDER SHALL BE TYPE UF

7. **GROUNDING**

A. GROUNDING OF THE NON-CURRENT CARRYING METALLIC PARTS OF ALL ELECTRICAL EQUIPMENT AND ENCLOSURES INCLUDING CONDUITS, SUPPORTS, CABINETS, TRANSFORMERS, MOTOR FRAMES, SWITCHGEAR ENCLOSURES, CONTROL PANELS, ETC., WHICH ARE INSTALLED OR CONNECTED UNDER THIS CONTRACT, SHALL BE PROPERLY CONNECTED TO THE GROUNDING SYSTEM, REGARDLESS OF WHETHER OR NOT THESE CONNECTIONS ARE SHOWN ON THE DRAWINGS.
B. THE GROUNDING INSTALLATION SHALL HAVE PROVISIONS FOR BOTH SYSTEM AND EQUIPMENT GROUNDS AS DEFINED BY THE NEC. THESE GROUNDING SYSTEMS ARE TO BE EFFECTIVELY INSULATED FROM EACH OTHER EXCEPT AT THE SERVICE CONNECTION.
C. GROUNDING SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF NEC AND THE NESC. LOCAL REQUIREMENTS OF THE INSPECTION AUTHORITY HAVING JURISDICTION SHALL GOVERN IN ALL MATTERS OF INTERPRETATION.
D. WHEN WATER SERVICE IS USED FOR GROUNDING POINT, IT SHALL BE ASCERTAINED THAT THE WATER PIPING IS ELECTRICALLY CONTINUOUS AT JOINTS AND IS OF CONDUCTING MATERIAL. WATER PIPING WITH SWEATED JOINTS IN ELECTRICAL PATH SHALL HAVE SUCH JOINTS BONDED.

8. **LIGHTING FIXTURES AND WIRING DEVICES**

A. FURNISH AND INSTALL ALL LIGHTING FIXTURES AS SHOWN AND SPECIFIED ON ELECTRICAL DRAWINGS AND SCHEDULES.
B. SCOPE SHALL BE BASED UPON FURNISHING AND INSTALLING NEW LIGHTING FIXTURES AND REMOVING AND REINSTALLING EXISTING LIGHTING FIXTURES OF TYPES AND MANUFACTURERS AS INDICATED ON FPA DRAWINGS.
C. ALL EXISTING RELOCATED AND EXISTING TO REMAIN. FIXTURES SHALL BE REFURBISHED AS REQUIRED, CLEANED, RELAMPED AND TESTED.
D. WHERE BEAMS, PIPES AND/OR DUCTS OR OTHER CONSTRUCTION DETAILS PREVENT THE USE OF STANDARD RECESSED FIXTURES, MATCHING SHALLOW RECESSED FLUORESCENT FIXTURES SHALL BE USED.
E. AFTER TESTS HAVE BEEN COMPLETED, CLEAN ALL LIGHTING FIXTURES AND EQUIPMENT LEAVING EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THE ELECTRICAL WORK.
F. ALL RECESSED FIXTURES SHALL BE SET FLUSH INTO CEILINGS.
G. SUBMIT CATALOG CUTS OF ALL FIXTURES.
H. COORDINATE ALL ELECTRICAL LIGHTING INSTALLATION WITH OTHER TRADES AS REQUIRED.
I. ACCESSIBILITY OF SWITCHES, CONTROLS, ACCESS DOORS ON ELECTRICAL EQUIPMENT, ETC. SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THOSE WHICH ARE INSTALLED IN UNSUITABLE LOCATIONS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY FPA OR OWNER AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
J. FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE, H.I.D. LAMPS SHALL BE AS NOTED OR AS RECOMMENDED BY THE FIXTURE MANUFACTURERS. BALLASTS SHALL BE HIGH POWER FACTOR, ELECTRONIC ENERGY SAVINGS TYPE.
K. ALL LIGHTING FIXTURES SHALL BE UL LISTED AND SHALL HAVE MANUFACTURER'S NAME ON EACH FIXTURE.

8. **LIGHTING FIXTURES AND WIRING DEVICES (CONT')**

A. SWITCHES SHALL BE SPECIFICATION GRADE, AC RATED, 20 AMP, 120/277 VOLT, QUIET TYPE, EQUAL TO HUBBELL-1221.
B. LIGHTING SWITCHES SHALL BE LOCATED ON THE "STRIKE" SIDE OF SINGLE DOORS, AND ON THE ADJACENT WALL OF THE ACTIVE DOOR FOR DOUBLE DOORS, UNLESS SPECIFICALLY DIRECTED OTHERWISE. ALL SWITCHES SHALL BE ACCESSIBLE WITH ACTIVE DOOR IN FULLY OPEN POSITION.
C. CONTROL AND LIGHTING CIRCUITS SHALL BE CHECKED FOR PROPER FUNCTION AND FAIL-SAFE OPERATION.
D. COLOR OF DEVICES AND FINISH PLATES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO PURCHASE AND INSTALLATION. GENERALLY, IVORY DEVICES WITH STAINLESS STEEL PLATES, UNLESS OTHERWISE NOTED.
E. FURNISH TO THE OWNER, TEN PERCENT (10%) SPARE LAMPS FOR ALL TYPE OF LAMPS INSTALLED.

9. **WIRING DEVICES**

A. DUPLEX CONVENIENCE RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMPERE, 125 VOLT PARALLEL SLOT, GROUNDING TYPE, EQUAL TO HUBBELL-5362.
B. ALL ELECTRICAL AND TELEPHONE FLOOR OUTLETS SHALL BE FLUSH TYPE WITH BRASS COVER.
C. PROVIDE MATCHING RECEPTACLES FOR ALL EQUIPMENT FURNISHED WITH CORD AND PLUG.
D. OUTLETS FOR SWITCHES AND RECEPTACLES IN FINISHED SPACES SHALL BE RECESSED.
E. PROVIDE MATCHING RECEPTACLES FOR ALL EQUIPMENT FURNISHED WITH CORD AND PLUG.
F. COLOR OF DEVICES AND FINISH PLATES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO PURCHASE AND INSTALLATION. GENERALLY, IVORY DEVICES WITH STAINLESS STEEL PLATES, UNLESS OTHERWISE NOTED

11. **SAFETY SWITCHES**

A. FURNISH AND INSTALL ALL DISCONNECT SWITCHES AND MOTOR STARTERS INDICATED ON THE DRAWINGS, UNLESS OTHERWISE NOTED.
B. ALL SAFETY SWITCHES SHALL BE QUICK MAKE, QUICK BREAK TYPE.
C. ALL SAFETY SWITCHES, STARTERS, PUSH BUTTONS, AND ENCLOSURES SHALL BE UL LISTED AND SHALL BE NEMA 1, UNLESS OTHERWISE NOTED.
D. ALL SAFETY SWITCHES SHALL BE HORSEPOWER RATED AND HAVE PROVISIONS FOR LOCKOUT.
E. ALL SAFETY SWITCHES SHALL BE AS MANUFACTURED BY SQUARE 'D', SIEMENS, GENERAL ELECTRIC, CUTLER-HAMMER OR APPROVED EQUAL.

12. **PANEL BOARDS**

A. FURNISH AND INSTALL CIRCUIT BREAKER TYPE PANEL BOARDS AS INDICATED IN THE PANEL BOARD SCHEDULES WITH BREAKERS OF FRAME AND TRIP RATINGS AS SHOWN ON THE SCHEDULES. WHERE PANEL BOARDS ARE SURFACE MOUNTED, INCLUDE SKIRT AND CAP TO MAKE CONTINUOUS FROM FLOOR TO CEILING.
B. CIRCUIT BREAKERS SHALL BE QUICK-MAKE, THERMAL-MAGNETIC, TRIP INDICATING AND HAVE COMMON TRIP ON ALL MULTIPLE BREAKERS, TRIP INDICATION SHALL BE CLEARLY SHOWN BY THE BREAKER HANDLE TAKING POSITION BETWEEN "ON" AND "OFF" WHEN THE BREAKER IS TRIPPED AND BY INDICATION. THE INDICATION SHALL CONSIST OF A HIGHLY VISIBLE RED TRIPPED CIRCUIT INDICATOR. CONNECTION TO THE BUS SHALL BE BOLT-ON TYPE.
C. BUS BAR CONNECTIONS TO THE BRANCH CIRCUIT SHALL BE "PHASE SEQUENCE" TYPE. THREE(3) PHASE, FOUR(4) WIRE BUSSING SHALL BE SUCH THAT ANY THREE(3) ADJACENT SINGLE POLE BREAKERS ARE INDIVIDUALLY CONNECTED TO EACH OF THE THREE(3) DIFFERENT PHASES IN SUCH A MANNER THAT TWO(2) OR THREE(3) POLE BREAKERS CAN BE INSTALLED AT ANY LOCATION. ALL CURRENT CARRYING PARTS OF THE BUS ASSEMBLY SHALL BE COPPER. MAINS RATINGS SHALL BE AS SHOWN IN THE PANEL BOARD SCHEDULE OR ON THE PLANS.
D. ALL ELECTRICAL PANELBOARDS SHALL BE OF THE RECESSED OR SURFACE MOUNTED TYPE, AS PER THE DRAWINGS.
E. THE PANELBOARD BUS ASSEMBLY SHALL BE ENCLOSED IN A STEEL CABINET. THE SIZE OF THE WIRING GUTTERS AND GAUGE OF STEEL SHALL BE IN ACCORDANCE WITH NEMA STANDARDS AND UL STANDARD FOR PANEL BOARDS. THE BOX SHALL BE FABRICATED FROM GALVANIZED STEEL OR EQUIVALENT RUST RESISTANT STEEL. FRONTS SHALL INCLUDE DOORS AND HAVE FLUSH, CYLINDER TUMBLER-TYPE LOCKS WITH CATCHES AND SPRING LATCH, ALL LOCKS UNLESS STEEL DOOR PULLS. THE FLUSH LOCK SHALL NOT PROTRUDE BEYOND THE FRONT OF THE DOOR. FRONT SHALL HAVE ADJUSTABLE INDICATING TRIM CLAMPS WHICH SHALL BE COMPLETELY CONCEALED WHEN THE DOORS ARE CLOSED. DOORS SHALL BE MOUNTED WITH COMPLETELY CONCEALED STEEL HINGES. FRONTS SHALL NOT BE REMOVABLE WITH DOOR IN THE LOCKED POSITION. A CIRCUIT DIRECTORY FRAME AND CARD WITH A CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. THE DIRECTORY CARD SHALL BE TYPE WRITTEN TO IDENTIFY ALL EQUIPMENT TO AS-BUILT CONDITIONS AT COMPLETION OF JOB. PANEL DIRECTORIES SHALL INCLUDE MONTH AND YEAR IN LOWER RIGHT CORNER TO INDICATE WHEN MODIFICATIONS WERE MADE. FRONTS SHALL BE OF CODE GAUGE STEEL.
F. PANEL BOARDS SHALL HAVE A SHORT CIRCUIT CURRENT RATING EQUAL TO OR GREATER THAN THE INTEGRATED EQUIPMENT RATING.
G. ALL PANELBOARDS SHALL BE FULLY RATED.
H. NEW CIRCUIT BREAKERS BEING INSTALLED IN EXISTING PANELBOARDS OR SWITCHGEAR SHALL BE OF THE SAME MANUFACTURER TYPE AND AIC RATING AS THE EXISTING BREAKERS.
I. PANELBOARDS SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND BEAR THE UL LABEL. PANEL BOARDS SHALL BE SQUARE D BOLT ON TYPE OR APPROVED EQUAL.
J. SWITCHBOARDS, PANELBOARDS, METER SOCKET ENCLOSURES, ETC. THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OF MAINTENANCE OF THE EQUIPMENT.

13. **EXISTING UTILITIES AND CONDITIONS**

A. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THIS SET OF PLANS HAS BEEN DETERMINED FROM CASUAL FIELD MEASUREMENTS AND / OR PLANS PROVIDED TO FRENCH & PARRELLO ASSOCIATES. NO GUARANTEE IS MADE NOR SHOULD BE ASSUMED AS TO THE COMPLETENESS OR ACCURACY OF THE HORIZONTAL OR VERTICAL LOCATIONS. ALL PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN PRIOR TO CONSTRUCTION ACTIVITIES.

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FIRE ALARM NOTES

1. ALL FIRE ALARM EQUIPMENT AND DEVICES SHALL BE UL LISTED, APPROVED FOR PROPOSED INSTALLATIONS AND SHALL BE PURCHASED FROM SINGLE BASE BUILDING FIRE ALARM VENDOR/MAINTENANCE CONTRACTOR.

2. COORDINATE WITH LANDLORD/OWNER AND ARCHITECT FOR FIRE ALARM DEVICES FACEPLATES COLOR (RED OR WHITE AS DIRECTED BY THE ARCHITECT).

3. FIELD VERIFY FOR EXACT LOCATION OF ALL FIRE ALARM EQUIPMENT AND DEVICES. COORDINATE WITH LANDLORD/OWNER AND ARCHITECT FOR NEW LOCATIONS. EXACT LOCATION OF ALL FIRE ALARM EQUIPMENT AND DEVICES SHALL BE DETERMINED IN FIELD AND COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

4. PROVIDE ALL FIRE ALARM ANNUNCIATION DEVICES (SPEAKERS AND STROBES) ON ALTERNATE CIRCUITS/LOOPS IN "A-B" ARRANGEMENT AND IN SUCH WAY THAT EACH CIRCUIT/LOOP WILL HAVE APPROXIMATELY 50% OF DEVICES PER AREA/FLOOR. COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR/MAINTENANCE CONTRACTOR FOR PROPER LOOP/CIRCUITING CONNECTION, PROPER CONNECTIONS/INTERCEPTION AND PROGRAMMING AS REQUIRED.

5. ALL SYSTEM WIRING SHALL BE UL LISTED, APPROVED FOR PROPOSED INSTALLATIONS, TEFLON-JACKETED PLENUM RATED FOR MINIMUM 150°C, FPLP TYPE, INSTALLED EXPOSED IN HUNG CEILING AREAS ABOVE 8'-0" AFF SUPPORTED BY J-HOOKS EVERY 5'-0", OR IN RIGID STEEL CONDUIT WHEN RUN BETWEEN FLOORS, EXPOSED TO OUTDOOR OR MOISTURE OR PHYSICAL DAMAGE, IN MECHANICAL ROOMS AND IN HARD-CEILING AREAS. EMT CONDUIT IS ALLOWED IN ALL OTHER AREAS. ALL NOTIFICATION CIRCUITS WIRING SHALL BE MINIMUM OF #14 AWG AND ALL OTHERS #16 AWG. COORDINATE WITH BUILDING FIRE ALARM VENDOR/MAINTENANCE CONTRACTOR FOR EXACT WIRING REQUIREMENTS AND PROVIDE ALL AS REQUIRED.

6. IF NECESSARY, PROVIDE ALL REQUIRED NEW TERMINAL STRIP BLOCKS, CONDUIT, WIRING, MODULES, RELAYS, POWER BOOSTERS, EXTENDERS, BOXES, END-OF-LINE RESISTORS AND OTHER NECESSARY SYSTEM COMPONENTS TO ACCOMMODATE PROPER INDICATED DEVICES INSTALLATION, PROGRAMMING AND FUNCTIONING, REUSE EXISTING WHERE POSSIBLE. ALL TIED TERMINALS SHALL BE INSTALLED BY THE BASE BUILDING FIRE ALARM CONTRACTOR. ALL CHARGES FOR THIS WORK SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR BID PRICE FOR THIS PROJECT.

7. ALL FINAL TIE-IN'S AND PROGRAMMING SHALL BE BY BASE BUILDING FIRE ALARM CONTRACTOR. ALL CHARGES FOR THIS WORK SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR BID PRICE FOR THIS PROJECT.

8. NO SPLICES OF FIRE ALARM WIRING/CABLING IS ALLOWED. IF NECESSARY, USE TERMINAL STRIP BLOCKS WITH SCREW TYPE CONNECTIONS AT BOTH ENDS IN PAINTED FIRE ALARM RED ACCESSIBLE BOXES.

9. COORDINATE WITH OWNER/LANDLORD AND BUILDING MAINTENANCE CONTRACTOR FOR PROPER SEQUENCE OF OPERATION. EXISTING SEQUENCE OF OPERATION TO REMAIN.

10. COORDINATE WITH MECHANICAL CONTRACTOR AND FIRE ALARM VENDOR FOR ALL NECESSARY RELAYS, MODULES, WIRING, INTERCONNECTIONS, TERMINATIONS, PROGRAMMING AND SEQUENCE OF OPERATION OF ALL FIRE ALARM EQUIPMENT AND DEVICES RELATED TO ASSOCIATED APPROPRIATE MECHANICAL EQUIPMENT.

11. OBTAIN FROM AND COORDINATE WITH BUILDING FIRE ALARM VENDOR FOR POINT-TO-POINT WIRING DIAGRAM.

12. CONDUCT ENTIRE ASSOCIATED SYSTEM TEST UPON COMPLETION OF INSTALLATION AND INCLUDE ALL NECESSARY FEE INTO BID PRICE TO PROVIDE FULLY COMMISSIONED SYSTEM. COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION, LANDLORD/OWNER, ARCHITECT AND BUILDING FIRE ALARM MAINTENANCE CONTRACTOR FOR ALL RELATED EFFORTS AND SCHEDULES.

13. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FILING AND FILING FEE'S FOR THIS WORK, INCLUDING REVISIONS MADE DUE TO SUGGESTIONS BY BASE BUILDING FIRE ALARM CONTRACTOR OR AS A RESULT OF BUILDING DEPARTMENT AND/OR FIRE DEPARTMENT COMMENTS.

14. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL APPROPRIATE TESTING AND FIRE DEPARTMENT INSPECTIONS AND SIGN-OFF.

15. COORDINATE WITH LANDLORD/OWNER, ARCHITECT AND BUILDING FIRE ALARM MAINTENANCE CONTRACTOR FOR EXACT WIRING AND CONDUIT ROUTING AND RISER LOCATIONS. PROPERLY WATER AND FIRE SEAL ALL NECESSARY PENETRATIONS AS REQUIRED.

16. ALL NEW INSTALLATIONS OF NEW FIRE ALARM EQUIPMENT AND DEVICES SHALL BE REFERRED TO IN THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (NFPA), AMERICANS WITH DISABILITY ACT (ADA), NATIONAL ELECTRICAL CODE, BUILDING CODE, AND LOCAL REGULATIONS AS APPLICABLE..

17. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF ALL AIR CONDITIONING UNIT DUCT SMOKE DETECTORS AND ASSOCIATED REMOTE INDICATORS.

18. NO CONDUITS SHALL ENTER THE TOP OF THE FIRE ALARM CONTROL PANEL.

19. ALL WIRING FOR THE FIRE ALARM SYSTEM MAY BE RUN IN THE SAME CONDUITS BUT CONDUCTORS FOR OTHER ELECTRICAL SYSTEMS IN THE BUILDING SHALL NOT BE INSTALLED IN THESE CONDUITS.

20. AREA SMOKE DETECTORS SHALL NOT BE LOCATED IN DIRECT AIR STREAM FROM SUPPLY AIR OUTLETS. SMOKE DETECTORS SHALL BE LOCATED MINIMUM 3'-0" AWAY FROM SUPPLY AND RETURN AIR GRILLES AS PER NFPA 72 - 2016 - SECTION 17.7.4.1

21. FLEXIBLE STEEL CONDUIT WILL BE PERMITTED ONLY FOR FINAL CONNECTIONS TO SENSING DEVICES AND SHALL BE UL LABELED AND OF LENGTHS NOT EXCEEDING 24" WHERE RIGID CONNECTIONS CANNOT BE MADE.

22. ALL WIRING SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS OF AGENCIES HAVING JURISDICTION.

23. ALL CIRCUIT POLARITIES SHALL BE STRICTLY OBSERVED.

24. ALL CIRCUITS SHALL BE CHECKED FOR OPENS, GROUND FAULTS AND SHORTS BEFORE CONNECTING TO CONTROL PANEL.

25. NO CHANGES SHALL BE MADE TO THE SYSTEM WITHOUT FORMAL WRITTEN APPROVAL OF THE BUILDING FIRE ALARM VENDOR/MAINTENANCE CONTRACTOR.

26. ALL DETECTION, VISUAL, ANNUNCIATION AND INDICATION DEVICE CIRCUITS SHALL BE SUPERVISED. THEREFORE, NO PARALLEL BRANCHING OF NON-ADDRESSABLE CIRCUITS IS PERMISSIBLE.

27. ALL SHIELDS SHALL BE CONTINUOUS AND ISOLATED FROM GROUND.

28. ALL TEFLON WIRING DRAIN SHIELDS SHALL BE GROUNDED AT THE MAIN FIRE ALARM CONTROL PANEL. DRAIN SHIELDS IN OTHER PANELS (REMOTE ANNUNCIATION PANELS, AUXILIARY, JUNCTION BOXES) SHALL BE SPLICED, TIED TOGETHER AND TAPED FREE OF GROUND.

29. FACP AND CONDUITS SHALL BE GROUNDED BY APPROVED MEANS CONFORMING TO THE CODE. GROUNDING CONDUCTORS MUST BE EQUAL IN SIZE TO THE LARGEST CONDUCTOR USED IN THE SYSTEM, BUT NO SMALLER THAN #10 AWG AND MUST BE GREEN.

30. ALL NEW FIRE ALARM DEVICES MUST BE COMPATIBLE WITH BASE BUILDING FIRE ALARM SYSTEM AS REQUIRED BY BUILDING STANDARDS.

31. CONTRACTOR SHALL VERIFY CAPACITY OF ADDRESSABLE CIRCUITS FOR ALLOWABLE AMOUNT OF DEVICES PER CIRCUIT. DO NOT EXCEED 80% OF MAXIMUM CIRCUIT'S ALLOWABLE CAPACITY.

32. TWO YEARS MONITORING CONTRACT SHALL BE INCLUDED IN THE BID

FIRE ALARM SYSTEM INSTALLATION NOTES

1. NO WORK SHALL BE STARTED UNTIL PLANS ARE APPROVED OR PERMITTED BY THE LOCAL DEPARTMENT OF BUILDINGS AND FIRE DEPARTMENT.
2. ALL APPROPRIATE AND REQUIRED FORMS SHALL BE FILED BY THE LICENSED ELECTRICAL CONTRACTOR WITH ALL AGENCIES HAVING JURISDICTIONS PRIOR TO ANY WORK.
3. NO CHANGES AND/OR MODIFICATIONS OF THE SYSTEM ARE ALLOWED WITHOUT THE ENGINEER'S WRITTEN APPROVAL. CONTRACTOR SHALL KEEP RECORDS OF ALL SUCH CHANGES. IF ANY SUBSTANTIAL CHANGES TO THE APPROVED PLANS WERE MADE PREVIOUS TO, OR DURING THE INSTALLATION, FIELD DRAWINGS SHALL BE UPDATED BY THE INSRALLER IN PREPARATION FOR AS-BUILT UPDATE. AS-BUILT PLANS SHALL BE PREPARED BY THE ENGINEER AND FILED WITH THE AGENCY HAVING JURISDICTIONS FOR FINAL ACCEPTANCE.
4. ALL FIRE ALARM EQUIPMENT SHALL BE UL LISTED, APPROVED FOR PROPOSEE INSTALLATIONS AND SHALL BE PURCHASED FROM SINGLE FIRE ALARM VENDOR AND SHALL BE COMPATIBLE WITH BASE BUILDING FIRE ALARM SYSTEM. STROBE LIGHT SHALL BE APPROVED TO MEET CURRENT AMERICANS WITH DISABILITIES ACT (A.D.A.) AND ANY LOCAL REQUIREMENTS. STROBE LIGHTS SHALL FEATURE 1 HZ BLINK RATE IN THE ACTUAL INSTALLATION. EVERY 2-WIRE DETECTOR SHALL BE COMPATIBLE WITH CONTROL PANEL. ALL DEVICES SHALL BE ADDRESSABLE TYPE.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUILDING CODE, LATEST NEC NFPA 70, OTHER NFPA STANDARDS AND COMPLY WITH ALL AGENCIES HAVING JURISDICTIONS.
6. ALL FIRE ALARM CONTROL PANELS SHALL BE MOUNTED WITH 3FT CLEARANCE FOR TESTING AND MAINTENANCE. TOP OF THE PANEL SHALL BE AT 5'-6".
7. ALL EXISTING FIRE ALARM EQUIPMENT NO LONGER USED, OBSOLETE OR DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND REMOVED UPON APPROVAL OF THE NEW SYSTEM.
8. PENETRATION OF FIRE-RATED WALLS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED. ALL FIRESTOPPING OF PENETRATIONS SHALL BE CONSISTENT WITH THE REQUIREMENTS OF THE BCNYS, SECTIONS 714.4.1.2 AND 714.5.1.2. INSTALLATION OF SYSTEMS SHALL BE INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479.
9. SYSTEM WIRING CONFIGURATION AND WEATHERPROOFING OF BACKBOXES AND TTBs SHALL ALSO COMPLY WITH THE SPECIFIC REQUIREMENTS USED FOR THIS INSTALLATION.
10. NO CONDUITS OR WIRES SHALL ENTER THE TOP OF THE FIRE ALARM PANEL. ANY PRE-MADE OPENINGS IN THE TOP OF THE PANEL SHALL BE BLANKED AND SEALED.
11. ALL CONTROLS, FUNCTION SWITCHES, ETC., SHALL BE CLEARLY LABELED ON ALL FIRE ALARM EQUIPMENT PANELS.
12. THE FIRE ALARM SYSTEM AND ALL ASSOCIATED COMPONENTS SHALL BE STANDARD CATALOGED PRODUCTS.
13. CAPACITY OF BATTERIES SHALL COMPLY WITH NFPA 72 (16) 10.6.7.2. AND PROVIDE 24 HOURS MINIMUM (NON-ALARM CONDITION) AND BE CAPABLE OF OPERATING ALL NOTIFICATION APPLIANCES FOR A MINIMUM OF 5 MINUTES WITHOUT FAIL, AND 15 MINUTES WITH VOICE/ALARM COMMUNICATION PER 10.6.7.2.1.1
14. FAN AND HVAC UNITS SHALL NOT AUTOMATICALLY RESTART UPON THE SIMPLE RESETTING OF THE FIRE ALARM CONTROL PANEL. A SECOND ACTION IS REQUIRED.

WIRING:

15. ALL FIRE ALARM EQUIPMENT SHALL BE POWERED VIA ELECTRICAL PANEL.
16. ALL POWER AND GROUND WIRING TO BE THHN IN EMT CONDUIT. AS AN ALTERNATIVE, POWER WIRING MAY BE MINERAL INSULATED (MI CABLE).
17. ALL FIRE ALARM PANELS SHALL BE GROUNDED BY A GREEN JACKET SOLID COPPER WIRE, IN EMT CONDUIT CONNECTED TO THE STREET SIDE OF MAIN COLD WATER SHUT-OFF VALVE, SUITABLE BUILDING STEEL OR GROUND ROD, WITH APPROVED CLAMP, UNLESS OTHERWISE NOTED. SIZE OF THE GROUND WIRE SHALL AT LEAST MATCH THE SIZE OF THE LARGEST POWER SUPPLY WIRES, BUT SHALL NOT BE SMALLER THAN #8 AWG SOLID COPPER.
18. ALL FIRE ALARM SIGNAL WIRING SHALL BE COPPER #16 AWG WHILE ALL WIRING FOR SOUNDING DEVICES AND STROBE LIGHTS SHALL BE COPPER #14 AWG FPLP. WIRING SHALL BE UL ABD BSA LISTED, APPROVED FOR PROPOSED INSTALLATION, TEFLON JACKETED, PLENUM RATED, 150 C RATED AND LABELED ACCORDINGLY THROUGHOUT. ALL WIRING SHALL BE CONNECTED BY APPROVED TERMINAL STRIPS OR U.L. LISTED "SCOTCH-LOCKS".
19. POWER CONDUCTORS SHALL NOT BE INSTALLED IN COMMON RACEWAYS WITH LOW VOLTAGE CONDUCTORS. CONDUCTORS FOR OTHER ELECTRICAL SYSTEMS SHALL NOT BE INSTALLED IN RACEWAYS CONTAINING FIRE ALARM CONDUCTORS.
20. ALL MATERIALS AND DEVICES USED IN FIRE ALARM SIGNAL SYSTEMS SHALL BE SECURELY FASTENED IN POSITION. PLASTIC ANCHORS ARE NOT ACCEPTABLE. ALL FIRE ALARM CABINETS PULL BOX COVERS, ETC. SHALL BE PAINTED FIRE ALARM RED.
21. WHERE WIRING IS ALLOWED TO BE RUN WITHOUT RACEWAY PROTECTION, CABLES SHALL NOT DEPEND ON CEILING MEDIA, PIPES, DUCTS CONDUITS OR EQUIPMENT. FOR SUPPORT WIRING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE WITH J-HOOKS, CABLE TIES, STRAPS OR SIMILAR FITTINGS PLACED IN INTERVALS NOT EXCEEDING 5'-0" ON CENTERS AND WITHIN 12" OF EVERY ASSOCIATED CABINET, BOX OR FITTING.
22. ALL FIRE ALARM JUNCTION BOXES TO BE CLEARLY MARKED FOR EASY IDENTIFICATION, COVERS SHALL BE PAINTED "FIRE DEPARTMENT RED".
23. ALL CONDUIT, JUNCTION BOXES, MOUNTING BOXES AND FIRE ALARM PANELS SHALL BE SECURELY HUNG AND FASTENED WITH APPROPRIATE FITTINGS TO INSURE POSITIVE GROUNDING THROUGHOUT THE ENTIRE FIRE ALARM SYSTEM.
24. NO WIRING OTHER THAN THAT DIRECTLY ASSOCIATED WITH FIRE ALARM DETECTION, ALARM OR AUXILIARY FIRE PROTECTION FUNCTIONS SHALL BE PERMITTED IN FIRE ALARM CONDUITS.
25. WIRING SPLICES SHOULD BE AVOIDED TO THE EXTENT POSSIBLE, AND IF NEEDED THEY MUST BE MADE ONLY IN JUNCTION BOXES USING APPROVED CONNECTIONS.
26. TRANSPOSING OR CHANGING COLOR CODING OF WIRES IS NOT RECOMMENDED.
27. ALL CONDUCTORS IN CONDUIT CONTAINING MORE THAN ONE WIRE SHALL BE LABELED ON EACH END ACCORDINGLY.
28. CONDUCTORS IN CABINET SHALL BE CAREFULLY FORMED AND HARNESSED SO THAT EACH DROPS OFF DIRECTLY OPPOSITE TO ITS TERMINAL.
29. CABINET TERMINALS SHALL BE NUMBERED AND CODED.
30. ALL WIRING SHALL BE CHECKED AND TESTED TO INSURE PROPER SUPERVISION (WHERE APPLICABLE), AND THAT THERE ARE NO GROUNDS, OPEN OR SHORTS.
31. WIRING REQUIREMENTS FOR SHIELDING CERTAIN CONDUCTORS FROM OTHERS OR ROUTING IN SEPARATE RACEWAYS SHALL BE AS RECOMMENDED BY THE MANUFACTURER'S DOCUMENTATION.
32. ALL LOW VOLTAGE FIRE ALARM CERTIFIED WIRING CAN BE INSTALLED EXPOSE ABOVE 8' FROM THE FLOOR LEVEL, EXCEPT THAT ALL WIRING WITHIN MECHANICAL AND ELEVATOR EQUIPMENT ROOMS SHALL BE RUN IN APPROVED RACEWAY.
33. WIRING BELOW 8' SHALL BE PROTECTED BY BUILDING CONSTRUCTION, EXCEPT WIRING WITHIN MECHANICAL AND ELEVATOR EQUIPMENT ROOMS SHALL BE RUN IN APPROVED RACEWAY, WIRING IN GARAGE AREAS, LOADING DOCKS, MECHANICAL ROOMS AND ELSEWHERE SUBJECT TO MECHANICAL DAMAGE, SHALL BE IN RIGID GALVANIZED STEEL CONDUIT ONLY.
35. FLEXIBLE METALLIC CONDUIT NOT EXCEEDING 24" IN LENGTH SHALL BE PERMITTED FOR FINAL CONNECTIONS TO INITIATING AND NOTIFICATION DEVICES.
36. WITHIN STAIRWAYS, RACEWAYS WITHIN 8' OF THE FLOOR SHALL NOT BE INSTALLED SO AS TO REDUCE OR OBSTRUCT THE STAIRWAY RATINGS.
37. SPLICES AND TERMINATIONS OF WIRES AND CABLES SHALL BE ONLY PERMITTED IN BOXES OR CABINETS SPECIFICALLY APPROVED FOR THE PURPOSE.
38. SPLICES AND TERMINATIONS OF WIRES SHALL UTILIZE MECHANICAL CONNECTIONS SPECIFICALLY APPROVED BY U.L. 486 A & C. TEMPERATURE RATING OF COMPLETED SPLICES SHALL EQUAL OR EXCEED THE TEMPERATURE RATING OF THE HIGHEST RATED CONDUCTOR.
39. WIRING FOR AUDIBLE AND VISUAL ALARM NOTIFICATION DEVICES SHALL BE ARRANGED SO THAT A LOSS OF A PORTION OF THE WIRING ON A FLOOR WILL NOT RENDER MORE THAN 60% OF THE DEVICE OF EACH TYPE INOPERATIVE (AT LEAST 2 CIRCUITS PER FLOOR FOR AUDIBLE DEVICES AND 2 CIRCUITS FOR STROBES.
40. BOTH AUDIBLE AND VISUAL NOTIFICATION APPLIANCES SHALL BE CONNECTED BY MEANS OF ALTERNATE CIRCUITS AS TO MAINTAIN AT LEAST PARTIAL AUDIBILITY/VISIBILITY THROUGHOUT THE ENTIRE FLOOR IN CASE OF SINGLE CIRCUIT FAILURE.

FIELD DEVICES:

41. ALL MANUAL PULL STATIONS SHALL BE PAINTED "FIRE DEPARTMENT RED".
42. ALL MANUAL PULL STATIONS, SOUNDING AND VISUAL ALARM DEVICES, AND FIRE ALARM PANEL SHALL BE KEPT UNOBSTRUCTED AT ALL TIMES.
43. ALL MANUAL PULL STATIONS SHALL BE INSTALLED SO THAT CENTER OF THE HANDLE IS APPROXIMATELY 4'-0" ABOVE THE FINISHED FLOOR (A.F.F.).
44. THE ENTIRE LENS OF ALL VISUAL/AUDIBLE DEVICES SHALL BE BETWEEN 80" AFF AND NO GREATER THAN 96" AFF MEASURED TO THE TOP OF THE LENS PER NFPA 72 SECTION 18.5.5. PER NFPA 72, SECTION 18.5.5.2, IF CEILING HEIGHTS WILL NOT ALLOW COMPLIANCE WITH NFPA 72 SECTION 18.5.5 DUE TO LOW CEILING HEIGHTS, VISUAL APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING
45. WHERE SMOKE DETECTORS ARE NOT VISIBLE (CONCEALED), REMOTE INDICATING LIGHT SHALL BE PROVIDED AS REQUIRED.

SYMBOLS LIST

SYMBOL	DESCRIPTION
(S)R	AREA SMOKE DETECTOR (CEILING MOUNTED) R = FOR ELEVATOR RECALL
F	MANUAL FIRE ALARM PULL STATION
R	FIRE ALARM RELAY
H	HORN/STROBE COMBINATION
ST	STROBE ONLY
FACP	FIRE ALARM CONTROL PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR
(H)	FIRE ALARM HEAT DETECTOR (CEILING MOUNTED)
DH	DOOR HOLDER

REFERENCE NOTES

1. RISER DIAGRAM PRESENTED IS NOT POINT-TO-POINT WIRING DIAGRAM. CONTRACTOR SHALL OBTAIN PROPER POINT-TO-POINT WIRING DIAGRAM FROM BUILDING FIRE ALARM VENDOR.

2. CIRCUITING/LOOPS OF FIRE ALARM DEVICES IS SHOWN FOR REFERENCE ONLY. FIELD CONDITIONS PREVAIL. EXACT CIRCUITING/LOOPS OF EXISTING FIRE ALARM DEVICES MIGHT DEFER FROM REFERENCES INDICATED. FIELD VERIFY AND COORDINATE WITH BUILDING FIRE ALARM VENDOR FOR EXACT CIRCUITING/LOOPS AND ADDITIONAL INFORMATION.

APPLICABLE CODES

2020 BUILDING CODE OF NEW YORK STATE
2020 FIRE CODE OF NEW YORK STATE
2016 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2016 NATIONAL FIRE ALARM CODE (NFPA 72)
2015 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING SYSTEM (NFPA 720)

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Project Address:
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Consultants

Seal:

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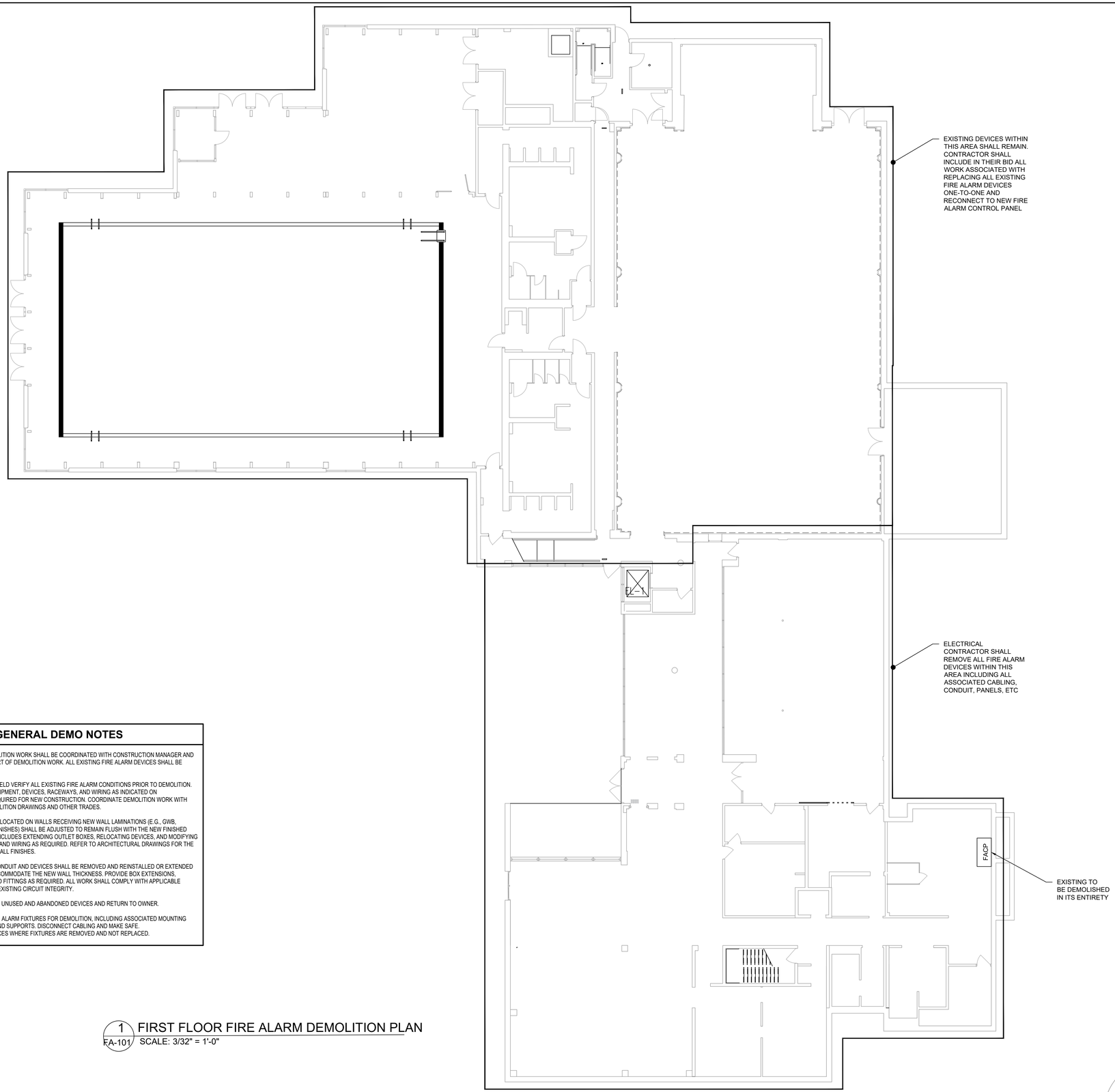
Drawing:
FIRE ALARM COVER SHEET

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-001



GENERAL DEMO NOTES

1. ALL FIRE ALARM DEMOLITION WORK SHALL BE COORDINATED WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO START OF DEMOLITION WORK. ALL EXISTING FIRE ALARM DEVICES SHALL BE TRACED & IDENTIFIED.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FIRE ALARM CONDITIONS PRIOR TO DEMOLITION. REMOVE EXISTING EQUIPMENT, DEVICES, RACEWAYS, AND WIRING AS INDICATED ON DRAWINGS AND AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DEMOLITION DRAWINGS AND OTHER TRADES.
3. ALL EXISTING DEVICES LOCATED ON WALLS RECEIVING NEW WALL LAMINATIONS (E.G., GWB, FURRING, OR OTHER FINISHES) SHALL BE ADJUSTED TO REMAIN FLUSH WITH THE NEW FINISHED WALL SURFACE. THIS INCLUDES EXTENDING OUTLET BOXES, RELOCATING DEVICES, AND MODIFYING ASSOCIATED CONDUIT AND WIRING AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF SUCH WALL FINISHES.
4. SURFACE-MOUNTED CONDUIT AND DEVICES SHALL BE REMOVED AND REINSTALLED OR EXTENDED AS NECESSARY TO ACCOMMODATE THE NEW WALL THICKNESS. PROVIDE BOX EXTENSIONS, CONDUIT OFFSETS, AND FITTINGS AS REQUIRED. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND MAINTAIN EXISTING CIRCUIT INTEGRITY.
5. E.C SHALL REMOVE ALL UNUSED AND ABANDONED DEVICES AND RETURN TO OWNER.
6. REMOVE EXISTING FIRE ALARM FIXTURES FOR DEMOLITION, INCLUDING ASSOCIATED MOUNTING HARDWARE, WIRING, AND SUPPORTS. DISCONNECT CABLING AND MAKE SAFE. PATCH CEILING SURFACES WHERE FIXTURES ARE REMOVED AND NOT REPLACED.

1 / FA-101 FIRST FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

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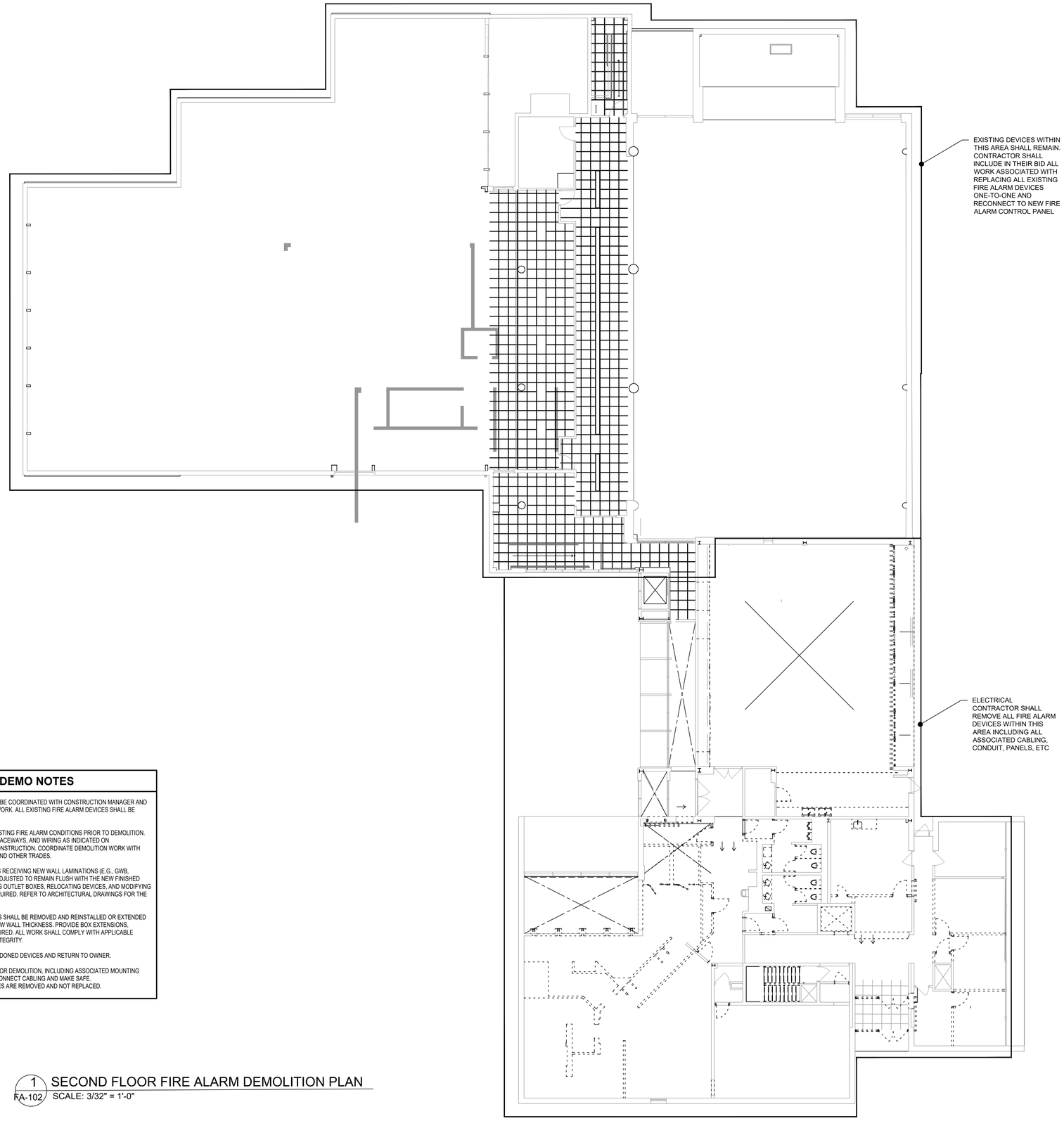
Drawing:
FIRST FLOOR
FIRE ALARM
DEMOLITION PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-101



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1 FA-102 SECOND FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

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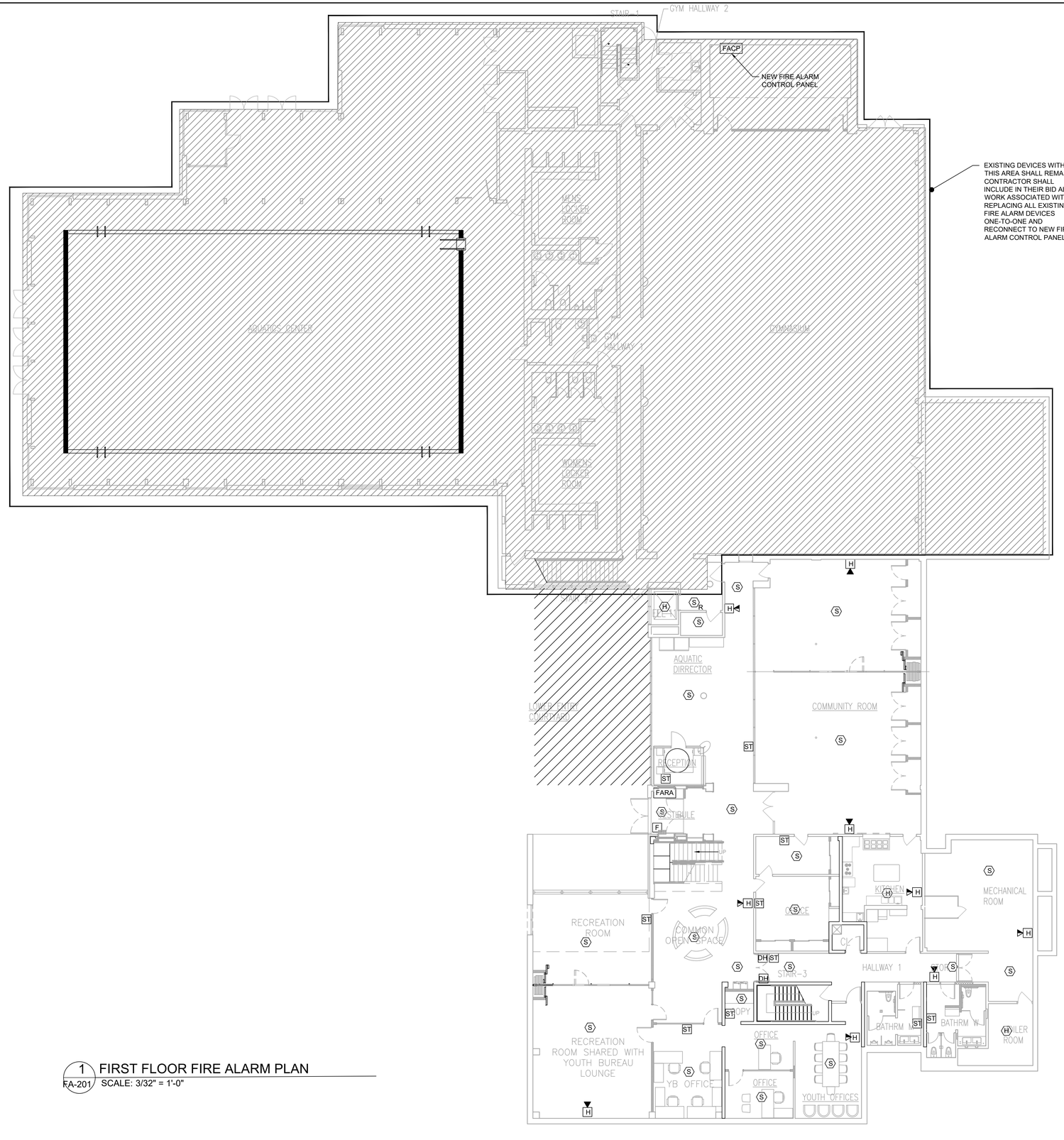
Drawing:
SECOND FLOOR FIRE ALARM DEMOLITION PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-102



1 FIRST FLOOR FIRE ALARM PLAN
FA-201 SCALE: 3/32" = 1'-0"

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Drawing:
FIRST FLOOR
FIRE ALARM PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-201

1 SECOND FLOOR FIRE ALARM PLAN
FA-202 SCALE: 3/32" = 1'-0"

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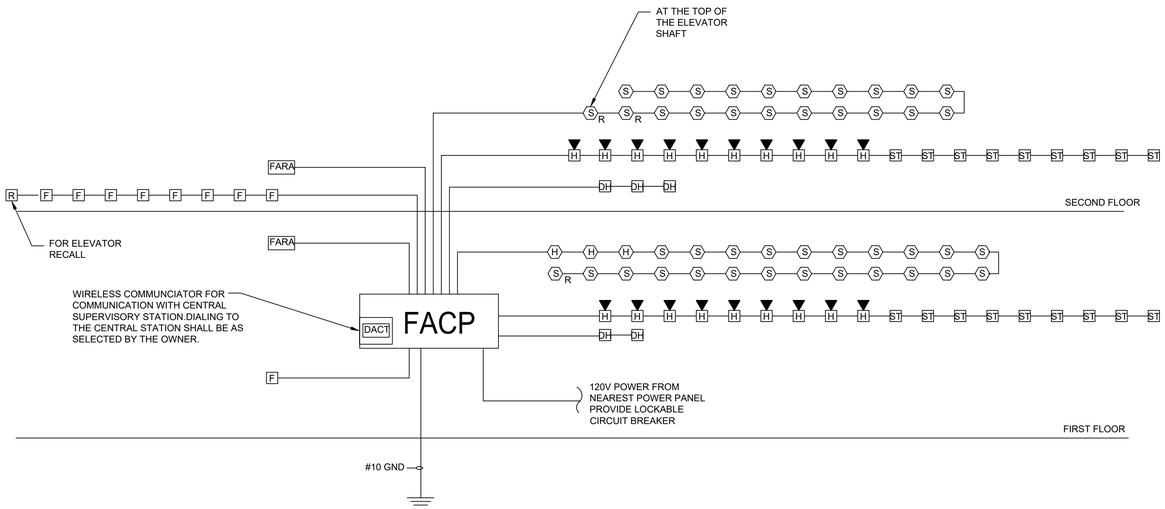
Drawing:
SECOND FLOOR FIRE ALARM PLAN

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-202



FIRE ALARM RISER DIAGRAM

NOT TO SCALE

NOTES:

1. THE FIRE ALARM SYSTEM SHALL BE OF THE AUTOMATIC TYPE. THIS SYSTEM SHALL CONSIST OF A DIGITAL, ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP) LOCATED ON THE GROUND FLOOR. THE EXACT LOCATIONS OF THESE UNITS SHALL BE AS REQUIRED BY THE OWNER AND/OR ARCHITECT. OTHER COMPONENTS AND ALL INTERCONNECTING CIRCUITING AND CONTROL CIRCUITS SHALL BE PROVIDED AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
2. FIRE ALARM CONTROL PANEL WILL BE TIED TO A CENTRAL MONITORING STATION VIA WIRELESS TRANSMITTER.
3. THE FINAL LOCATION OF THE FIRE ALARM CONTROL PANEL AND DEVICES SHALL BE AS REQUIRED BY THE FIRE DEPARTMENT.
4. NUMBER OF CONDUCTORS, SIZE OF CONDUCTORS AND CONDUITS SHALL BE AS REQUIRED BY THE SYSTEM MANUFACTURER EXCEPT AS OTHERWISE NOTED OR OTHERWISE SPECIFIED OR REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. ALL SHOWN ON THIS RISER DIAGRAM COMPONENTS AND INTERCONNECTIONS ARE DIAGRAMMATIC AND REPRESENT ONLY MAJOR SYSTEM COMPONENTS AND THE OPERATIONAL INTENT. REFER TO SPECIFICATIONS FOR MORE INFORMATION. ALL COMPONENTS, WIRING AND CONNECTIONS SHALL BE AS REQUIRED BY CONTRACT DOCUMENTS, APPROVED MANUFACTURER, ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PREPARE AND SUBMIT THE FINAL FIRE ALARM SYSTEM RISER DIAGRAM FOR REVIEW AND APPROVAL.
5. FOR EXACT QUANTITIES OF FIRE ALARM SYSTEM COMPONENTS, REFER TO FLOOR PLANS. PROVIDE ALL ADDITIONAL CONDUIT, WIRING, AND OUTLET BOXES REQUIRED FOR DEVICES NOT SHOWN ON THE FIRE ALARM SYSTEM RISER DIAGRAM ON THIS DRAWING.
6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT AS REQUIRED BY CODE UNLESS OTHERWISE SPECIFIED. MULTI-CONDUCTOR CABLES MAY BE INSTALLED WITHOUT RACEWAY PROTECTION PROVIDED THE INSTALLATION MEETS BUILDING CODE REQUIREMENTS. IN GENERAL, THE CABLES MAY BE INSTALLED WITHOUT RACEWAYS WHERE CABLE IS PROTECTED BY BUILDING CONSTRUCTION. WHERE NOT PROTECTED BY BUILDING CONSTRUCTION, CABLES SHALL BE LOCATED 8 FEET OR MORE A.F.F. IN ADDITION, ALL WIRING WITHIN THE CELLAR SHALL BE RUN IN RACEWAY.
7. COORDINATE EXACT LOCATIONS OF EACH FIRE ALARM SYSTEM DEVICE AND EQUIPMENT WITH ARCHITECT/OWNER.
8. UNLESS OTHERWISE DIRECTED AND PRIOR TO THE COMMENCEMENT OF WORK, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FILING PLANS AND NECESSARY DOCUMENTS WITH THE BUILDING DEPARTMENT.
9. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACTOR.
10. PRIOR TO ACCEPTANCE TESTING: BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, WHERE REQUIRED BY THE FIRE CODE OFFICIAL, THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT (STATEMENT OF COMPLIANCE) TO THE FIRE CODE OFFICIAL THAT THE SUBJECT FIRE PROTECTION SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS AND HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE APPROPRIATE INSTALLATION STANDARD PER THE FCNYS SECTION 901.2.1.
11. ANY MODIFICATIONS OR CHANGES TO SITE SPECIFIC SOFTWARE (FACP REPROGRAMMING OF NEW OR EXISTING DEVICES) ARE REQUIRED TO COMPLY WITH NFPA 72 (2016 EDITION) SECTION 14.4.2* RE-ACCEPTANCE TESTING. SPECIFICALLY, WHEN DEVICES ARE ADDED, REMOVED, OR LABELS HAVE CHANGED OR WHERE CHANGES ARE MADE TO SITE-SPECIFIC SOFTWARE, YOU SHALL COMPLY WITH NFPA 72, SECTION 14.4.2.4 WHICH WOULD REQUIRE RE-TESTING OF A MINIMUM OF 10%, UP TO 50 DEVICES THROUGHOUT THE BUILDING, AND ALL "CONTROL FUNCTIONS" SUCH AS FAN SHUT DOWN, ELEVATOR RECALL, FIRE/SMOKE DAMPER OPERATION ETC. IN EACH INPUT/OUTPUT CIRCUIT.
12. AFTER TESTING HAS BEEN COMPLETED/APPROVED: A FIRE ALARM SYSTEM RECORD OF COMPLETION IN ACCORDANCE WITH NFPA 72 VERIFYING THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS SHALL BE PROVIDED PER THE BCNYS SECTION 907.7.2.
13. NEW FIRE ALARM CONTROL PANEL (FACP) AND ASSOCIATED BATTERIES TO INCLUDE ADEQUATE SPARE CAPACITY TO INCLUDE ALL FUTURE DEVICES FROM THE SECOND PHASE OF THE BUILDING

FIRE ALARM SYSTEM WIRING REQUIREMENT	
FUNCTION	TYPE
ADDR. LOOP WIRING/DATA	1 TWISTED PAIR #14 AWG.
COMBINATION HORN/STROBE	2 PAIR #14 AWG
HORN	1 PAIR #14 AWG
STROBE	1 PAIR #14 AWG
CONTROL	2 #14 AWG
POWER	2#10 AWG POWER UON
CARBON MONOXIDE	3 PAIR #14 AWG (POWER, MONITOR ALARM)

SEQUENCE OF OPERATIONS MATRIX
2020 BUILDING CODE OF NEW YORK

I/O MATRIX

SYSTEM OUTPUT

SYSTEM OUTPUT

SYSTEM OUTPUT	ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTUATE VISUAL ALARM SIGNAL	DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO CENTRAL STATION	HOSTWAY SMOKE DETECTOR TO ILLUMINATE INTERMITTENTLY (FLASHING) ONLY IN A DORS) WITH EQUIPMENT IN THAT LOCATION	THE INCAR FIREMAN'S HAT SHALL BE MAINTAINED (SOLID) UNTIL THE CAR IS RESET	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	RELEASE MAGNETICALLY HELD DOORS	RECALL ELEVATORS TO GROUND FLOOR	CLOSE SMOKE FIRE DAMPERS IN RATED WALLS	TRANSMIT CO DETECTION SIGNAL TO CENTRAL STATION	SHUT DOWN ASSOCIATED FANS
MANUAL FIRE ALARM PULL STATION	●	●					●	●	●				●				
SMOKE DETECTOR (SYSTEM)	●	●					●	●	●				●	●	●		
ELEVATOR LOBBY AND ELEVATOR MACHINE ROOM SMOKE/HEAT DETECTOR	●	●					●	●	●	●	●		●	●	●		
DUCT SMOKE DETECTOR	●	●					●	●	●				●		●		●
HEAT DETECTOR	●	●					●	●	●				●	●	●		
FIRE ALARM AC FAILURE					●	●		●				●					
FIRE ALARM SYSTEM LOW BATTERY					●	●		●				●					
OPEN CIRCUIT					●	●		●				●					
GROUND FAULT					●	●		●				●					
NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●		●									
SUBSYSTEM ALARM	●	●					●	●	●				●		●		
SUBSYSTEM TROUBLE					●	●		●				●					
DRILL SWITCH							●										
CARBON MONOXIDE			●	●			●	●								●	

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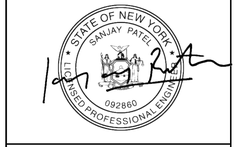


REVISIONS

	12-23-2025	ISSUED FOR PERMIT	

Drawing:
FIRE ALARM RISER DIAGRAM

Project Number:	Responsible Party:	Reviewed By:

Scale:

Drawing Number:
FA-301

REMOVE MAPLE TREE

REMOVE RIM FROM EXSITING DRAIN BODY. PROVIDE STEEL PLATE COVER

DRAIN INLET
RIM=132.45
SUMP ELEV=128.07

REMOVE ALL SITE FURNISHING SALVAGE AS DIRECTED BY THE OWNER

MAINTAIN EXISTING STORM LINE

CHANNEL

CHANNEL

REMOVE EXISTING PLANTER AND DOGWOOD TREE

REMOVE EXISTING CONCRETE AND ASPHALT PAVING

REMOVE / ABANDON EXISTING STORM LINES

REMOVE EXISTING JAPANESE PAGODA TREE AND ENGLISH IVY REMOVE STUMP

4"PVC

ABANDON/REMOVE EXISTING DRAIN INLET

DRAIN INLET
RIM=132.45
SUMP ELEV=127.60

DRAIN MANHOLE
RIM=130.35
SUMP ELEV=126.35

REPOINT/REPAIR EXISTING STONE WALL

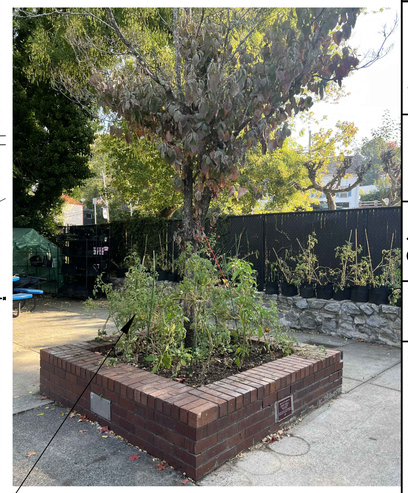
REMOVE THIS SECTION OF WALL

EXPAND COMMUNITY CENTER COURTYARD GARDENS SEE SHEET L-4 FOR LIMITS OF WORK

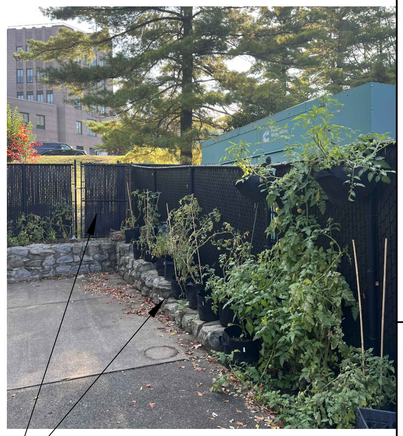
DRAIN INLET
RIM=130.23
INV=129.00 (4"PVC)
SUMP ELEV=126.04

Stone Masonry Retaining Wall

REMOVE EXISTING CHAINLINK FENCE

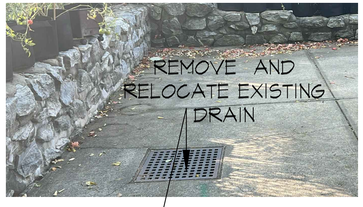


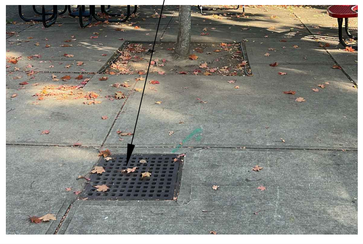
REMOVE EXISTING PLANTER AND DOGWOOD TREE



REBUILD EXISTING STONE WALL AND REMOVE CHAINLINK FENCE

EXPAND COMMUNITY CENTER COURTYARD GARDENS





REMOVE AND RELOCATE EXISTING DRAIN

REMOVE EXISTING MAPLE TREE

REMOVE EXISTING CONCRETE PAVING

REMOVE ASPHALT

REMOVE EXISTING JAPANESE PAGODA TREE & ENGLISH IVY

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53 HUDSON AVENUE
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www.DCAK-MSA.com
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Tel 845-353-1300 Fax 845-353-1614

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
OSSINING, NY

Consultants

Structural Engineer:
SEVA Engineering
DESIGN | ENGINEERING | CONSULTING
242 Old New Brunswick Road, Suite 352
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Landscape Architect:
IQ Landscape Architects PC
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White Plains, NY 10601
spatel@iqlandarch.com | http://iqlandarch.com

Seal:

REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
DEMOLITION AND REMOVAL PLAN

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

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

Drawing Number:
L-1

4 L-8 8'X8' STAINLESS STEEL WIRE LATTICE

3 L-8 RUBBER SAFETY SURFACE

2 L-6 REPLACE EXISTING CONCRETE PAVING WITH NEW CONCRETE PAVERS

5 L-6 MOVABLE TABLE AND CHAIRS BY MAGLIN

4 L-6 FLUSH CONCRETE CURB

4 L-7 SHED WITH CONCRETE SLAB BELOW

POTTING STORAGE SHED 4'X8'

4 L-6 CONTINUOUS FLUSH CONCRETE CURB

STEEL EDGE 3 L-7

PLAY EQUIPMENT 1 L-8

2 STANDARD COLORS

1 L-7 PERGOLA

CONTROL JOINT

SINGLE GATE

BENCH N.I.C.

FLUSH CONCRETE CURB 4 L-6

BENCH 6 L-6

EXISTING GENERATOR

STEP FENCE IN THIS LOCATION

MUSIC PLAY PANEL 2 L-8

FLUSH CONCRETE CURB 4 L-6

IRREGULAR FIELD STONE PATH 6 L-7

BIRD HOUSE

BOCCE/CORN HOLE COURT

1 L-6 SYNTHETIC TURF

2 L-7 RAISED GARDEN BEDS

VEGETABLES BY OWNER

4 L-6 FLUSH CONCRETE CURB

7 L-6 6' DECORATIVE SCREEN

3 L-7 STEEL EDGE

TRENCH DRAIN
SEE ENGINEERS DRAWINGS

Stone Masonry Retaining Wall

Anchor Block Retaining Wall

DECORATIVE 6'SCREEN 7 L-6

NATIVE PERENNIALS ON TOP OF THE WALL

REPOINT/ REPAIR EXISTING STONE WALL

STEP FENCE

FLOWERING TREE

POLLINATOR GARDEN

DOUBLE GATE

POROUS DECOMPOSED GRANITE PAVING

3 L-6

3 L-7 STEEL EDGE

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Drawing:
MATERIALS PLAN

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

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

Drawing Number:
L-2

FOLLOW MANUFACTURER'S SPECIFICATION RIGIDLY FOR ALL SAFETY ZONE REQUIREMENTS INCLUDING DEPTH OF SAFETY SURFACE.

VERIFY PLAY EQUIPMENT AND CLEARANCES MEET ALL U.S. CONSUMER SAFETY PERFORMANCE SPECIFICATIONS BEFORE SETTING FLUSH CONCRETE CURB.

ALIGN WITH CORNER OF BUILDING

NEW WALL MOUNTED LIGHT FIXTURES INSTALLED IN EXISTING LIGHT FIXTURE LOCATIONS

LAY OUT TABLES IN FIELD

BENCH N.I.C.

ALIGN

CENTER RAISED PLANTER

NEW (4) POLE MOUNTED LIGHT FIXTURES

Stone Masonry Retaining Wall

Anchor Block Retaining Wall

VERIFY IN FIELD WITH LANDSCAPE ARCHITECT. REDUCE AS REQUIRED TO AVOID EXISTING TREES

LAY OUT PATH IN FIELD

SHED

EQ.

CL

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Drawing:
LAYOUT PLAN

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

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

Drawing Number:
L-3

LEGEND:

- EXISTING DRAIN PIPE
- PROPOSED DRAIN PIPE
- 132 EXISTING CONTOUR
- 131 PROPOSED CONTOUR
- 132.7 PROPOSED SPOT ELEVATION
- ×132.70 EXISTING SPOT ELEVATION
- LIMIT OF DISTURBANCE

NOTE:
CONTRACTOR TO PROVIDE GRADE STAKES THROUGHOUT COURTYARD FOR REVIEW BY ENGINEER TO INSURE POSITIVE PITCH IN ALL DIRECTIONS TO PROPOSED DRAINAGE STRUCTURES

PVC Cleanout
MATCH EXIST. SILL
EXIST. 132.91
EXIST. 132.91
EXIST. 132.91
TRENCH DRAIN SEE ENGINEERS DRAWING
PITCH
132.7
132.7
132.7
×132.52
×132.57
DRAIN INLET RIM=132.45 SUMP ELEV=128.07
PROVIDE STEEL PLATE COVER
132.50
CHANNEL
MAINTAIN EXISTING STORM LINE
132
131.70
131.7
×131.39
130.98
131
131
130.25
130.25
130.25
129.95
FRENCH DRAIN TIE 6" PERFORATED PIPE INTO EXISTING MANHOLE
Concrete
AC Unit
Electric Box
129.82
6"Φ PERFORATED PIPE PITCH MINIMUM ⅛"/FT.
129.70
FRENCH DRAIN TIE 6" PERFORATED PIPE INTO EXISTING MANHOLE
a L-6
×131.06
×129.66
130
EXIST. 132.48
×132.48
.57
PROVIDE SOLID LID AT EXISTING DRAIN. ADJUST RIM ELEVATION TO MEET NEW GRADES.
131.15
EXISTING STORM LINE TO REMAIN
132.2
132.2
PITCH
132.2
TRENCH DRAIN SEE SHEET L-9
4" SOLID DRAIN PIPE
131.50
INV. 130.15
132.15
132.15
132.15
INV. 129.15
4"PVC
SOLID PIPE- SEE DETAIL
INV.IN 129.00
131.30
DRAIN MANHOLE RIM=130.35 SUMP ELEV=126.35
131.15
ADJUST MANHOLE COVER TO MEET NEW GRADES.
4"Φ PERFORATED PIPE MINIMUM PITCH ⅛"/FT.
INV. 129.30
132.15
132.63
×132.49
×130.58
DRAIN INLET RIM=130.23 INV=129.00 (4"PVC) SUMP ELEV=126.04
FRENCH DRAIN TIE 6" PERFORATED PIPE INTO EXISTING MANHOLE
131.85
131.7
×131.03
INV. 130.15
×134.32
133.85
Generator
Stone Masonry Retaining Wall
Anchor Block Retaining Wall
×134.81
132
131
DIRECT RUNOFF WITH A SWALE
134
132
134
136
136
138
LIMIT OF DISTURBANCE
136

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Drawing:
GRADING PLAN

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

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

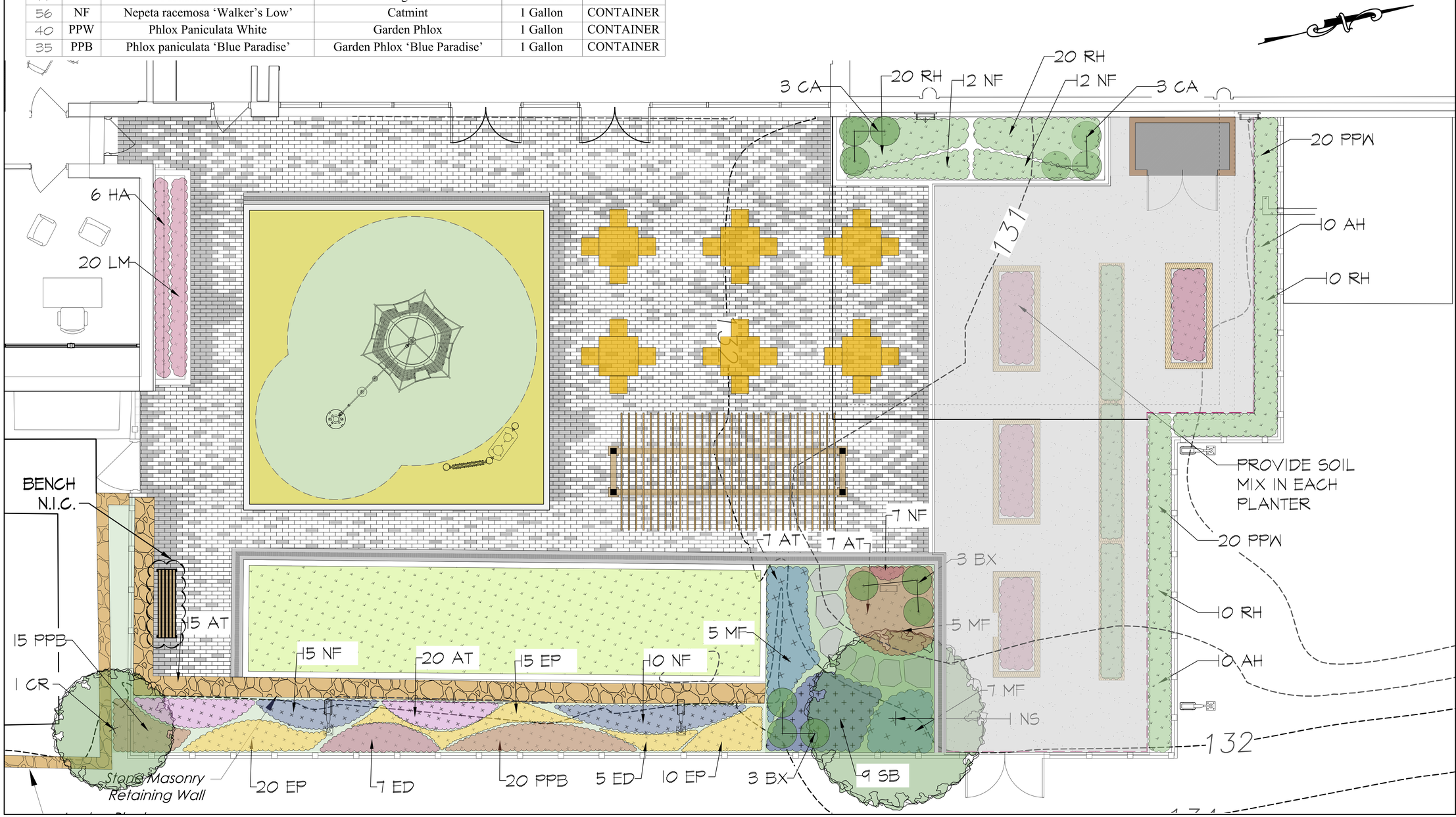
Drawing Number:
L-4

PLANT LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
		TREES			
1	NS	Nyssa sylvatica 'Wildfire'	Wildfire Black Gum / Tupelo	3"-3½" CAL	B&B
		SHRUBS			
6	BX	Buddleja x 'Miss Violet'	Butterfly bush	7 Gallon	CONTAINER
6	CA	Clethra alnifolia	Sweet Pepperbush	7 Gallon	CONTAINER
1	CR	Cornus × rutgersensis 'Stellar'	Stellar Pink Dogwood	2½"-3" CAL	Caliper B&B
		PERENNIALS			
35	AH	Agastache Foeniculum	Giant Hyssops	1 Gallon	CONTAINER
49	AT	Asclepias tuberosa	Butterfly Weed	1 Gallon	CONTAINER
45	EP	Echinacea purpurea	Coneflower	1 Gallon	CONTAINER
12	ED	Eutrochium dubium 'Little Joe'	Little Joe-Pye Weed	1 Gallon	CONTAINER
17	MF	Monarda Fistulosa	Bergamot	1 Gallon	CONTAINER
56	NF	Nepeta racemosa 'Walker's Low'	Catmint	1 Gallon	CONTAINER
40	PPW	Phlox Paniculata White	Garden Phlox	1 Gallon	CONTAINER
35	PPB	Phlox paniculata 'Blue Paradise'	Garden Phlox 'Blue Paradise'	1 Gallon	CONTAINER

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
		PERENNIALS			
60	RH	Rudbeckia Hirta	Black-eyed Susan	1 Gallon	CONTAINER
9	SB	Symphyotrichum 'Bluebird'	Bluebird Smooth Aster	1 Gallon	CONTAINER
		VINES			
6	HA	Hydrangea anomala petiolaris	Climbing Hydrangea	5 Gallon	CONTAINER
		GROUND COVER/ ORNAMENTAL GRASSES			
20	LM	Liriope muscari 'Big Blue'	Big Blue Lilyturf	1 Gallon	CONTAINER

NOTE: TOP SOIL AND SEED ALL AREAS WITHIN THE LIMIT OF DISTURBANCE
PROVIDE 4" MINIMUM TOPSOIL



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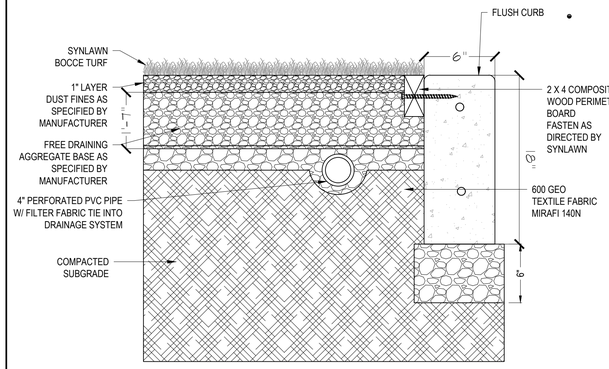
Drawing:
PLANTING PLAN

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

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

Drawing Number:
L-5



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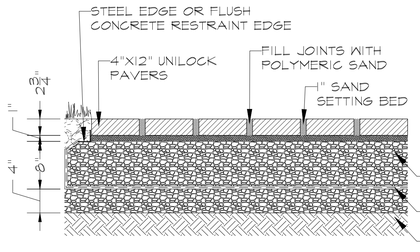
se dalton, ga 30721
706 -277 -1128

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

1 ARTIFICIAL TURF- BOCCE BALL

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



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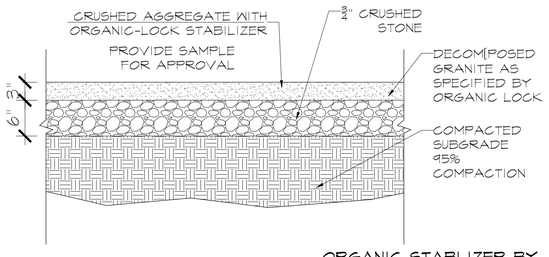
4" X12" PAVER IN
UMBRIANO FINISH
FRENCH GREY - 20%
WINTER MARVEL - 80%

2 UNILOCK PAVER DETAIL

SCALE: 1" = 1'-0"

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL



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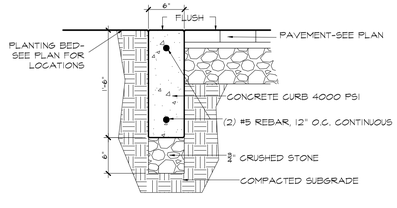
ORGANIC LOCK
2100 BLOOR ST. W. Suite 6191
Canada M6S 1M7
Tel: 1-866-636-8476
International: 416-628-3704
Email: info@organiclock.com

3 DECOMPOSED GRANITE

SCALE: 1" = 1' - 0"



4 FLUSH CONCRETE CURB

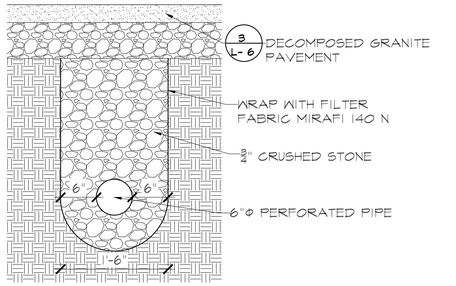
SCALE: 1'0"= 1"

5 MAGLIN ALUM Chair and table

SCALE: N.T.S

2700 SERIES - ALUM CHAIR: ALUMINUM, LASER DESIGN 3 - FUSION PATTERN, SURFACE MOUNT
MODEL: MCH-2700-00023
COLOR: YELLOW RAL 1018

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL



8 FRENCH DRAIN

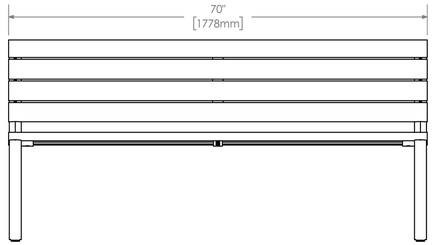
SCALE: 1" = 1'

Maglin Site Furniture

Barbara Ritter
Barbara.Ritter@maglin.com
1-800-716-5506 x6070

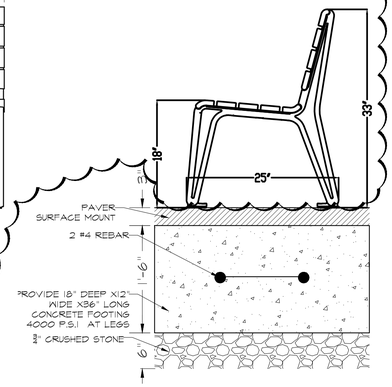
BENCH COLOURS TO MATCH WITH THE TABLES AND CHAIRS

MODEL
#MBE-2300-00015

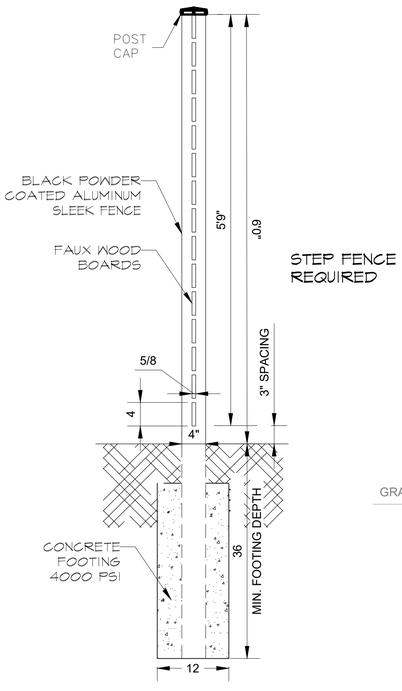


6 MAGLIN BENCH - ICONIC

SCALE: 1" = 1'



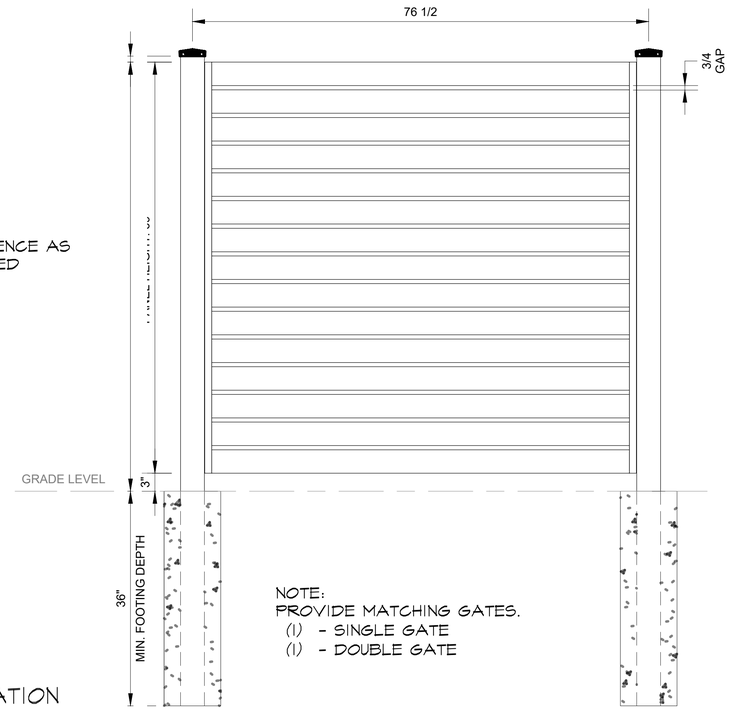
BENCHES, TABLES & CHAIRS N.I.C.



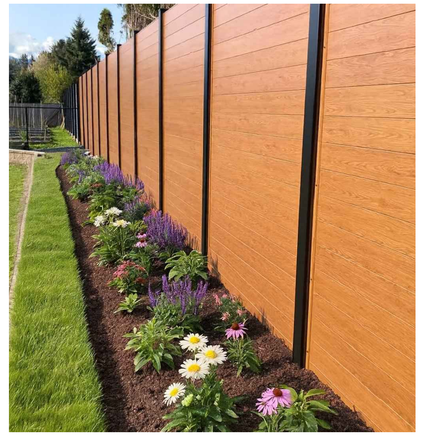
STEP FENCE AS REQUIRED

7 FENCE SECTION AND ELEVATION

SCALE: 1" = 1' - 0"



NOTE:
PROVIDE MATCHING GATES.
(1) - SINGLE GATE
(1) - DOUBLE GATE



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31 Mamaroneck Ave., 7th Floor,
White Plains, NY 10601
spatel@iqlandarch.com | http://iqlandarch.com

Seal:

REVISIONS

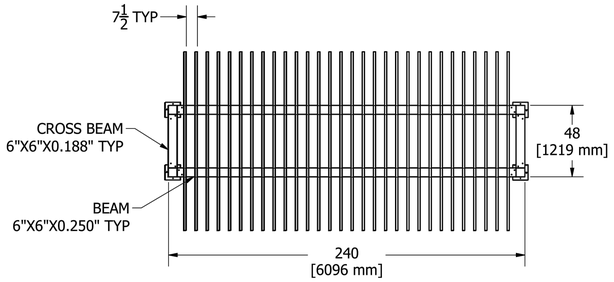
No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

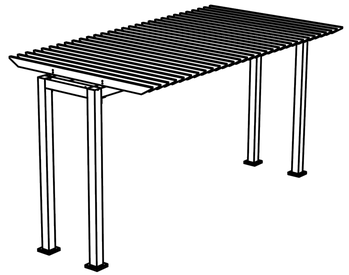
Drawing:
DETAILS

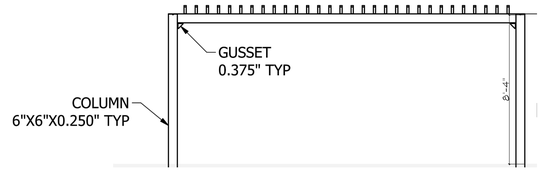
Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

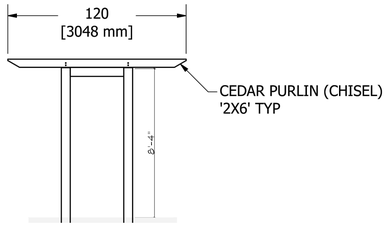
Scale:
AS NOTED

Drawing Number:
L-6









NOTE: PHOTO FOR DESIGN INTENT ONLY

STURDESIGN INC.
www.sturdesign.com
1-855-207-9669
41 Woodslee Ave
Paris, Ontario, Canada. N3L 3V1

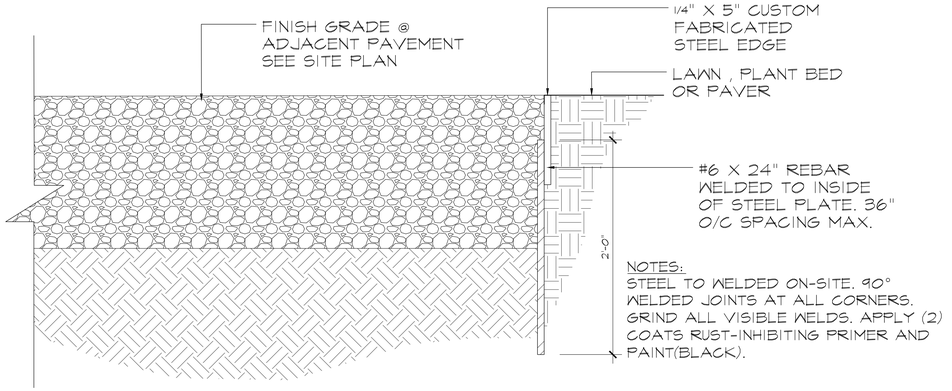
ARCO PERGOLA CEDAR PURLINS WITH CHISEL ENDS MOUNTED ON TOP OF BEAM
SMOOTH POWDER COAT FINISH: BLACK

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

REFER TO SHEET L-9 FOR FOOTING DESIGN

OBTAIN SIGNED AND SEALED DRAWING BY A NY STATE LICENSED ENGINEER FOR THE STRUCTURE AND FOR FOUNDATION DESIGN AS REQUIRED

1 STURDESIGN - ARCO PERGOLA
SCALE: 1/4" = 1'-0"

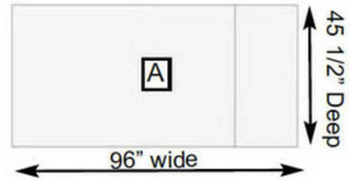


3 STEEL EDGE
SCALE: 1-1/2" = 1'-0"

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

SIDE VIEW

FRONT VIEW



PLAN

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

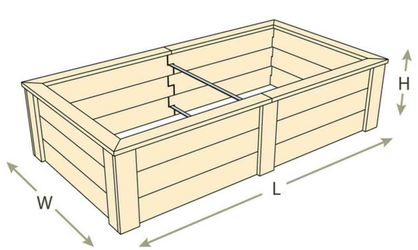
EARTHEASY
eartheasy.com
1-88-451-6752

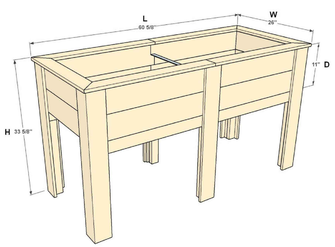
Western Red Cedar Garden shed 4'X8' space saver lean to storage kit with double doors as manufactured by Eartheasy.

ITEM #: KIT-SS84-D-METAL-AK

Provide the following:
- Black metal roof
- Clear red cedar siding
- Accessible ramp
- Provide three shelf packs
- Provide concrete slab for securing shed

4 GARDEN SHED
SCALE: 1/2" = 1'-0"



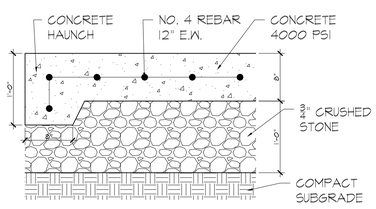


EARTHEASY
eartheasy.com
1-88-451-6752

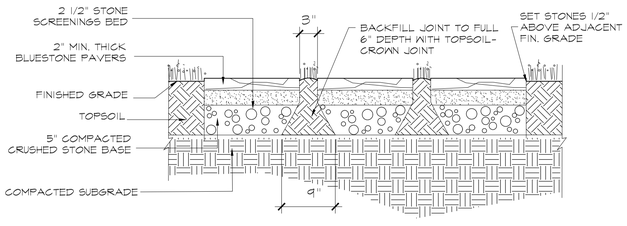
NATURAL CEDAR RAISED GARDEN BEDS - 3 QUANTITY
WIDTH: 4'0"
LENGTH: 8'0"
HEIGHT: 22"
NATURAL CEDAR RAISED GARDEN BEDS - 3 QUANTITY
WIDTH: 2'2"
LENGTH: 11'10"
HEIGHT: 33 5/8"

2 RAISED VEGETABLE GARDEN BEDS
SCALE: N.T.S.

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL



5 CONCRETE SLAB FOR GARDEN SHED
SCALE: 1" = 1'-0"



6 IRREGULAR FIELDSTONE PAVER
SCALE: 1" = 1'-0"

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL
PROVIDE SAMPLE OF FIELDSTONE

DCAK - MSA
ARCHITECTURE AND ENGINEERING

53 HUDSON AVENUE
NYACK, NEW YORK 10960
www.DCAK-MSA.com
Email: info@DCAK-MSA.com
Tel 845-353-1300 Fax 845-353-1614

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
OSSINING, NY

Consultants

Structural Engineer:
SEVA Engineering
DESIGN | ENGINEERING | CONSULTING
242 Old New Brunswick Road, Suite 352
Piscataway, NJ 08854
P: 732.707.7382; info@sevaengineering.com

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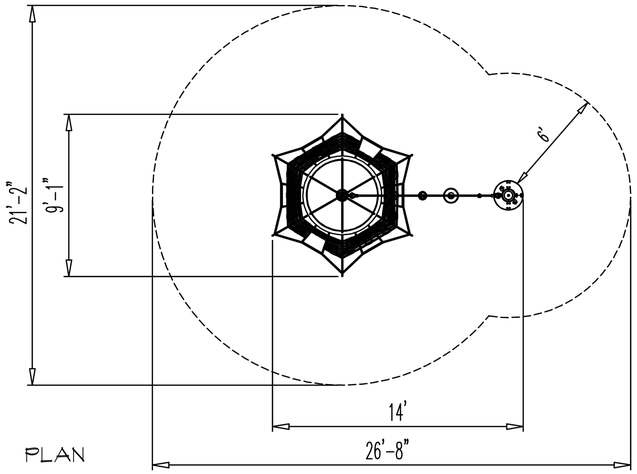
24002	SP	JAI

Scale:
AS NOTED

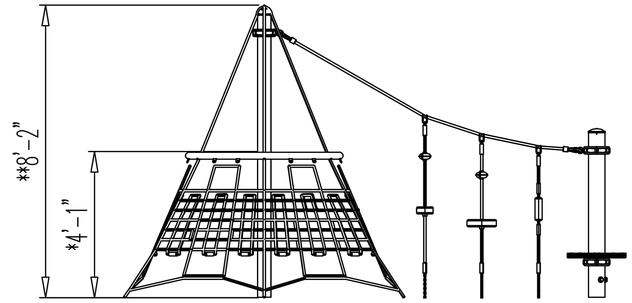
Drawing Number:
L-7

MODEL #COR SPACE CUSTOM
883757
ROPE COLOUR: SAND YELLOW

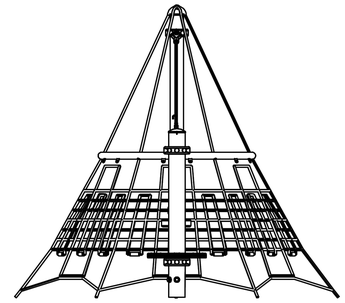
1 PLAY EQUIPMENT
SCALE: N.T.S



PLAN



FRONT ELEVATION



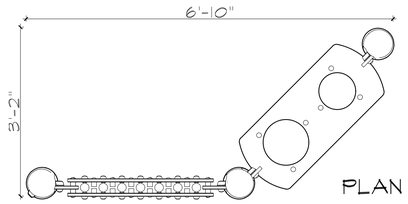
SIDE ELEVATION

Kompan
DanRus@Kompan.com / contact@kompan.com
914-714-8396 / +1-800-426-9788
605 West Howard Lane, Suite 101, Austin TX, 78753, USA

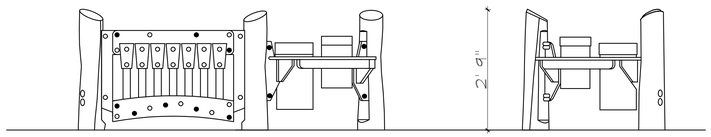
NOTE:
PROVIDE SHOP DRAWINGS FOR ALL PLAY EQUIPMENT INCLUDING CONCRETE FOOTING AS SPECIFIED AND PROVIDED BY PLAY MANUFACTURER. MINIMUM DEPTH FOR ALL FOOTING TO BE 3'6" AND 4000 PSI CONCRETE. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS RIGIDLY.

MODEL #NR0613-1001

2 MUSIC PLAY PANEL
SCALE: 3/4" = 1'-0"



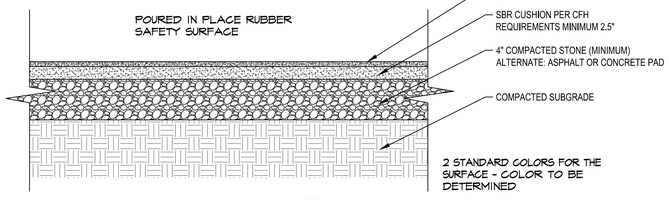
PLAN

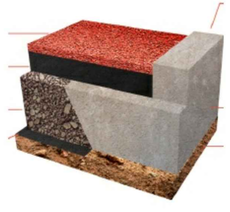


FRONT ELEVATION

SIDE ELEVATION

CONTRACTOR TO PROVIDE DOCUMENTATION THAT SAFETY SURFACE DEPTH MEETS ALL REQUIREMENTS FOR PROJECTED FALL HEIGHTS

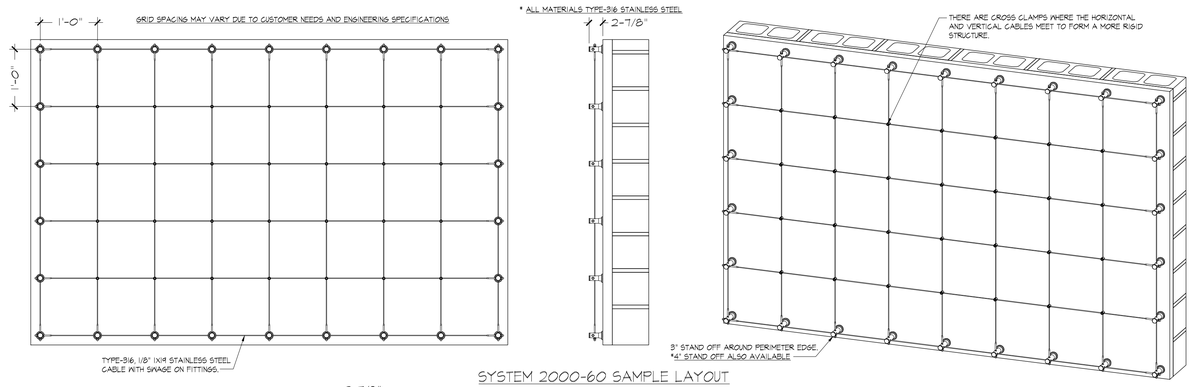




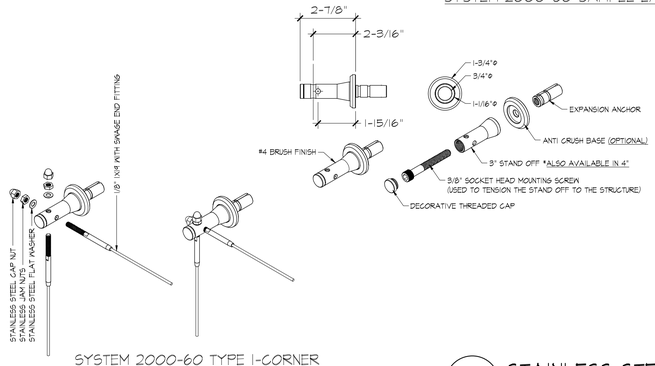
SAFETY SURFACE AS MANUFACTURED BY KOMPAN.
DanRus@Kompan.com / contact@kompan.com
914-714-8396 / +1-800-426-9788
605 West Howard Lane, Suite 101, Austin TX, 78753, USA

3 SAFETY SURFACE FOR PLAY EQUIPMENT
SCALE: N.T.S

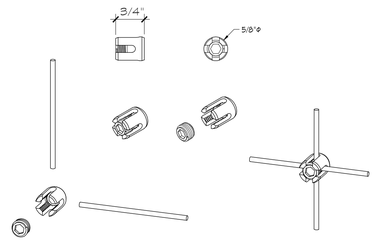
PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL



SYSTEM 2000-60 SAMPLE LAYOUT



SYSTEM 2000-60 TYPE 1-CORNER AND END STAND OFF



SYSTEM 2000-60 TYPE 3 CROSS CLAMP CONNECTOR

NOTE:
EXTENT OF STEEL TRELLIS MOUNTED ON BUILDING WALL TO BE 8'X8'. VERIFY LIMITS WITH LANDSCAPE ARCHITECT PRIOR TO FABRICATION.

SECOSOUTH
727-539-6314
SALES@SECOSOUTH.COM
2111 34th Way N, Largo, FL 33771

PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

PROJECT: SYSTEM-2000-60 CABLE TRELLIS SYSTEM.
CONTENT: 2000-60 STANDARD SYSTEM DETAILS.
DRAWN BY: KELLER, C.
DATE: 09-05-14
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secosouth

4 STAINLESS STEEL CABLE TRELLIS SYSTEM (TPYCIAL SECTION)
SCALE: N.T.S.

DCAK - MSA
ARCHITECTURE AND ENGINEERING

53 HUDSON AVENUE
NYACK, NEW YORK 10960
www.DCAK-MSA.com
Email: info@DCAK-MSA.com
Tel 845-353-1300 Fax 845-353-1614

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
OSSINING, NY

Consultants

Structural Engineer:
SEVA Engineering
DESIGN | ENGINEERING | CONSULTING
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Seal:

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Drawing:
DETAILS

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

Scale:
AS NOTED

Drawing Number:
L-8

DEMOLITION NOTES:

1. CONTRACTOR TO PREPARE A SITE SPECIFIC PLAN AND DETAILS FOR THE MAINTENANCE PROTECTION OF TRAFFIC.
2. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND LOCATE ALL UTILITIES IN FIELD AND REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT.
3. PRIOR TO ANY DEMOLITION, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AT LEAST 48 HOURS BEFORE WORK IS SCHEDULE TO BEGIN.
4. BEFORE STARTING EARTHWORK OR DIGGING OPERATIONS THE CONTRACTOR SHALL CONTACT 'DIG SAFELY NY ' AT 811 TO IDENTIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES
5. CONTRACTOR TO EXERCISE EXTREME CARE DURING THE COURSE OF DEMOLITION AND REMOVALS. ANY DAMAGE TO EXISTING FACILITIES, UTILITIES, OR TREES TO BE PROTECTED SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE IN KIND.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS OFF-SITE IN A SAFE MANNER.

TREE PROTECTION NOTES:

1. PRIOR TO ANY CONSTRUCTION OCCURRING CONTRACTOR SHALL RETAIN A NEW YORK STATE LICENSED ARBORIST TO REVIEW RECOMMENDED PRE-CONSTRUCTION TREATMENT (E.G VERTICAL MULCHING) TO EXISTING TREES WITHIN THE IMMEDIATE PROJECT AREA. PARTICULAR ATTENTION SHALL BE PAID TO THE EXISTING OAK TREES SURROUNDING THE PROPOSED PLAYGROUND.
2. ALL TREES TO BE PRESERVED ON THE SITE SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION OPERATIONS BY THE USE OF WOODEN TREE GUARDS OR SNOW FENCING. IN NO CASE SHALL BOARDS OR FENCES BE NAILED TO PROTECTED TREES. THE TREE PROTECTION SHALL BE PLACED BEFORE ANY EXCAVATING OR GRADING IS BEGUN AND MAINTAINED FOR THE DURATION OF THE CONSTRUCTION WORK UNLESS OTHERWISE DIRECTED. MINIMUM LIMITS OF TREE PROTECTION FENCING SHALL BE THE DRIP LINE OF THE TREE.
3. NO MATERIAL SHALL BE STORED OR CONSTRUCTION OPERATION SHALL BE CARRIED ON WITHIN THE TREE PROTECTION FENCING. CONSTRUCTION EQUIPMENT, TRUCKS OR OTHER VEHICLES SHOULD NOT BE PARKED OR OPERATED UNDER THE CANOPY OF TREES TO BE SAVED. IF TRAFFIC CANNOT BE REROUTED OR MATERIAL STORAGE CANNOT BE RELOCATED AWAY FROM THE ROOT ZONE, THEN APPLY A LAYER OF WOOD CHIPS AT LEAST SIX INCHES THICK OVER THE ENTIRE ROOT ZONE AREA TO AVOID SOIL COMPACTION.
4. ALL BUILDING DEBRIS AND CHEMICAL WASTES SHALL BE HAULED AWAY FOR PROPER DISPOSAL AND IN NO CASE SHALL BE BURNED, BURIED ON SITE OR STOCKPILED OVER ROOT ZONES.
5. PREVENT CONTAMINATION OF NEARBY BACKFILL MIXTURE FROM CLEANING SOLVENTS, CURING AGENTS, TRASH AND SURFACE DRAINAGE WATER. TREE PROTECTION SHALL REMAIN UNTIL AFTER ALL CONSTRUCTION OPERATIONS WITHIN 100 FEET OF TREES HAS BEEN COMPLETED AND IS DESIGNATED TO BE REMOVED BY THE LANDSCAPE ARCHITECT. ALL PROTECTION FENCING THEN SHALL BE REMOVED FROM THE SITE.
6. AVOID GRADE CHANGES AS MUCH AS POSSIBLE AROUND TREES TO BE PRESERVED. NEVER PILE EXCAVATED SOIL AROUND ANY TREE.
7. PROTECT ROOTS FROM DAMAGE WHEN LAYING UTILITY LINES BY TUNNELING RATHER THAN TRENCHING.
8. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY. ROOTS EXPOSED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE CUT OFF CLEANLY AND TOPSOIL SHALL BE IMMEDIATELY PLACED OVER THE EXPOSED ROOT AREA. DAMAGED TREES SHALL BE WATERED AND PROTECTED FROM FUTURE DAMAGE.
10. ANY TREE DAMAGED DURING CONSTRUCTION SHALL BE INSPECTED BY A NYS LICENSED ARBORIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE RECOMMENDATIONS BY THE ARBORIST AND ALL REPAIRS SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
11. ALL BRANCH PRUNING, ROOT PRUNING AND FERTILIZATION WORK TO BE PERFORMED BY A CERTIFIED LICENSED ARBORIST AND REPUTABLE TREE CARE COMPANY. SUBMIT QUALIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL.
12. ALL PRUNING WORK TO BE COMPLETED IN ACCORDANCE WITH STANDARDS SET FORTH BY THE NATIONAL ARBORIST ASSOCIATION.
13. USE ONLY HAND METHODS FOR GRUBBING IN AREAS WITHIN DRIP-LINE OF TREES.

EROSION AND SEDIMENT CONTROL NOTES

1. BEFORE STARTING ANY WORK THE CONTRACTOR SHALL ESTABLISH EROSION CONTROL MEASURES IN ACCORDANCE WITH NEW YORK STATE BEST MANAGEMENT PRACTICES, LATEST EDITION AND WESTCHESTER COUNTY BEST MANAGEMENT PRACTICES.
2. CONTRACTOR TO PROVIDE TRAFFIC PROTECTION PLAN BEFORE ANY WORK IS TO BEGIN
3. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
4. ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
5. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ANY ADDITIONAL MEASURES BEYOND THOSE INDICATED ON THE PLANS TO ASSURE ALL SEDIMENT AND EROSION IS CONTAINED ON THE SITE.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EROSION CONTROL MEASURES UPON COMPLETION OF SITE STABILIZATION

LAYOUT NOTES:

1. ALL STAKE OUT WORK TO BE PERFORMED BY A NEW YORK STATE LICENSED SURVEYOR
2. ,PRIOR TO THE START OF ANY WORK, CONTACT "CALL BEFORE YOU DIG" NEW YORK 811 AT 1-800-272-4480 AT LEAST 72 HOURS PRIOR TO ANY EARTHWORK ACTIVITIES TO LOCATE UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF EXISTING UTILITIES DAMAGED, WITHOUT FURTHER CHARGE TO THE OWNER.
3. ALL DIMENSIONS AND RADII ARE TAKEN FROM CENTERLINES ,FACE OF CURB OR FACE OF WALL AT GRADE UNLESS OTHERWISE NOTED.
4. LAYOUT ALL PAVING AND WALLS PRIOR TO CONSTRUCTION. RECEIVE LANDSCAPE ARCHITECT'S APPROVAL ON LAYOUT PRIOR TO STARTING WORK.
5. AFTER STAKEOUT, PRIOR TO ANY CLEARING, GRUBBING, EXCAVATION, OR GRADING, THE CONTRACTOR SHALL INSTALL TREE PROTECTION AS SPECIFIED FOR ALL TREES TO REMAIN.
6. VERIFY ALL LOCATIONS AND ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
7. COORDINATE UTILITY WORK WITH THE LOCATIONS AND FINAL GRADES OF ALL OTHER WORK. WHERE CONFLICTS OCCUR, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF UTILITIES AND MAKE ADJUSTMENTS AS REQUIRED. IF NEW UTILITIES HAVE BEEN INSTALLED IN CONFLICT OF CURBS, WALLS, PAVINGS, OR OTHER STRUCTURES AT DEPTHS TOO SHALLOW FOR PROPER COVER BENEATH FINAL NEW GRADES OR INCORRECT FINISH GRADE, THEY SHALL BE ADJUSTED OR REMOVED AND REPLACED AS NECESSARY WITHOUT EXTRA COMPENSATION.
8. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL CONSTRUCTION PERMITS AND LICENSES REQUIRED TO COMPLETE THE WORK.
9. FINAL GRADE IN ALL CASES SHALL SLOPE AWAY FROM BUILDINGS ATLEAST 1/4" PER FOOT.
10. ALL WALKS AND STEPS SHALL HAVE A MINIMUM WASH OF 1/8" PER FOOT, UNLESS OTHERWISE NOTED.

PLAY EQUIPMENT LAYOUT NOTE:

UPON COMPLETION OF SURVEY STAKEOUT OF PLAYGROUND CONTRACTOR SHALL COORDINATE WITH PLAYGROUND CONSULTANT FOR KOMPAN TO CONFIRM THAT ALL PLAY EQUIPMENT CAN BE ACCOMMODATED WITHIN THE PLAY ZONES AND THAT ALL REQUIRED SAFETY ZONES AND CLEARANCES ARE IN COMPLIANCE. CONTRACTOR TO DOCUMENT ALL PLAY EQUIPMENT LOCATIONS ON A SURVEY SHOWING COORDINATES.

GRADING NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES IN THE FIELD. COORDINATE AND COMPLY WITH LOCAL AND STATE REQUIREMENTS.
2. ALL STRUCTURES TO REMAIN SHALL BE PROTECTED UNLESS OTHERWISE NOTED TO BE DEMOLISHED.
3. THE CONTRACTOR SHALL CHECK AND VERIFY ALL PROPOSED GRADES, DIMENSIONS, EXISTING CONDITIONS AND UTILITIES AND REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR THIS DIRECTION BEFORE PROCEEDING WITH THE WORK.
4. THE USER OF THESE DRAWINGS IS CAUTIONED THAT UNDER-GROUND UTILITIES AND FOUNDATIONS AS SHOWN ARE NOT GUARANTEED NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND FOUNDATIONS, WHETHER ABANDONED OR FUNCTIONAL, ARE SHOWN ON THESE DRAWINGS.
5. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES ALL PAVEMENTS, LAWNS AND PLANT BEDS SHALL HAVE A PITCH THAT ALLOWS POSITIVE DRAINAGE IN THE DIRECTION OF A DRAINAGE COURSE OR STRUCTURE.
6. ALL PAVED AREAS OR WALKS SHALL HAVE A TYPICAL PITCH OR CROSS SLOPE OF 2% UNLESS OTHERWISE INDICATED BY CONTOUR LINES OR SPOT ELEVATIONS.
7. ALL FINAL GRADING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING, SEEDING OR SODDING.
8. ALL GRADING WORK SHALL BE STAKED OUT USING GRADE STAKES. OBTAIN THE LANDSCAPE ARCHITECT'S APPROVAL OF STAKE OUT PRIOR TO BEGINNING WORK.
9. ALL SLOPES SHALL BE GRADED, TRIMMED AND BLENDED TO MEET SURROUNDING TERRAIN CONDITIONS ACCORDING TO THE TYPICAL SECTIONS OR CONTOUR LINES AS SHOWN OR AS DIRECTED BY LANDSCAPE ARCHITECT.
10. ALL FILL MATERIAL SHALL BE FREE FROM ROOTS AND OTHER ORGANIC MATERIAL, TRASH AND FROZEN MATERIAL. NO STONES LARGER THAN 2 INCH IN ANY DIMENSION SHALL BE PERMITTED.
11. DEPOSIT FILL AND BACKFILL IN LAYERS NOT MORE THAN 6" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED COMPACTION EQUIPMENT.
12. ACHIEVE A COMPACTION OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 FOR ALL SUBGRADE AREAS. ALL POROUS FILL MATERIAL SHALL MEET SIMILAR DENSITY REQUIREMENTS.
14. ADD MIN. 4" TOPSOIL TO ALL REGRADED AREAS TO BE SEEDED

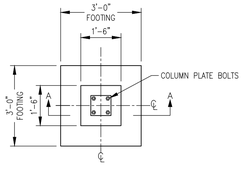
PLANTING NOTES:

1. PROTECT ALL EXISTING VEGETATION TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
2. USE EXTREME CAUTION TO PROTECT UTILITIES.
3. IT IS THE INTENT OF THIS CONTRACT TO AVOID ANY DISTURBANCE TO EXISTING VEGETATION ON THE SITE OTHER THAN THOSE SPECIFICALLY DESIGNATED FOR REMOVAL. ADJUSTMENTS SHALL BE MADE IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
4. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF MECHANICAL EQUIPMENT AND UTILITIES EXISTING OR PROPOSED IN THE AREA TO BE PLANTED AND SHALL, WHERE NECESSARY, RELOCATE PLANTS AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
6. QUANTITIES GIVEN IN THE PLANT LIST ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE LIST AND SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIALS REQUIRED TO COMPLETE THE PLANS.
7. THE CONTRACTOR SHALL VERIFY ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
8. LOCATIONS OF NEW PLANTS AND PLANT BEDS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
9. ALL PLANTS SHALL BE SUBJECT TO THE LANDSCAPE ARCHITECT'S INSPECTION AND APPROVAL AT THE NURSERY AND AT THE SITE BEFORE ANY PLANTING WORK IS BEGUN.
10. ALL BEDS AND TREE SAUCERS AND OTHER AREAS NOTED SHALL RECEIVE 3 INCH (MINIMUM) OF APPROVED MULCH (TRIPLE GROUND CLEAN HARDWOOD MULCH).
11. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR FROM TIME OF LANDSCAPE ARCHITECT'S FINAL WRITTEN APPROVAL.
12. TOP SOIL MIX SHALL INCLUDE:
    - 3 PARTS SCREENED TOPSOIL
    - 1 PART SAND
    - 1 PART HUMUS
    - 5 LBS. SUPERPHOSPHATE PER CU. YD. OF MIX
13. CONTRACTOR TO COORDINATE PLANTING, SEEDING AND TREE WORK WITH OTHER TRADES.
14. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL PERMITS WHERE REQUIRED. CONTRACTOR RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED DUE TO PLANTING OPERATIONS.
15. CONTRACTOR TO SUPPLY IMPORTED TOPSOIL ONLY FOR ALL PLANTING PITS. SUBMIT SOIL TEST RESULTS PRIOR TO BRINGING MATERIAL ON SITE.
    a. PROVIDE A NATURAL, FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, OF UNIFORM COMPOSITION THROUGHOUT AND WITHOUT ADMIXTURES OF SUBSOIL AND FREE OF STONES, LUMPS, PLANTS, ROOTS, STICKS OR OTHER EXTRANEOUS MATTER.
    b. TOPSOIL SHALL CONTAIN NOT LESS THAN 4% NOR MORE THAN 20% ORGANIC MATTER AS DETERMINED BY THE WET COMBUSTION METHOD.
    c. MECHANICAL ANALYSIS

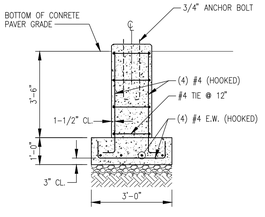
SCREEN SIZE	% BY WEIGHT PASSING
1"	100
¼"	97-100
no. 200	20-65

    d. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING AND ANALYSIS OF EXISTING AND IMPORTED SOILS. FURNISH A SOIL ANALYSIS MADE BY A QUALIFIED INDEPENDENT SOIL-TESTING AGENCY STATING PERCENTAGES OF ORGANIC MATTER, INORGANIC MATTER (SILT, CLAY, AND SAND), DELETERIOUS MATERIAL, PH, AND MINERAL AND PLANT-NUTRIENT CONTENT OF TOPSOIL.
16. SOIL MIX FOR RAISED VEGETABLE GARDEN BEDS TO BE COMPOSED OF:
    - ⅓ top soil
    - ⅓ compost
    - ⅓ peat moss
17. GRASS SEED MIIX BY WEIGHT SHALL BE:
    - 55% KENTUCKY BLUEGRASS
    - 35% TURF-TYPE TALL FESCUE
    - 10% PERENNIAL RYE GRASS

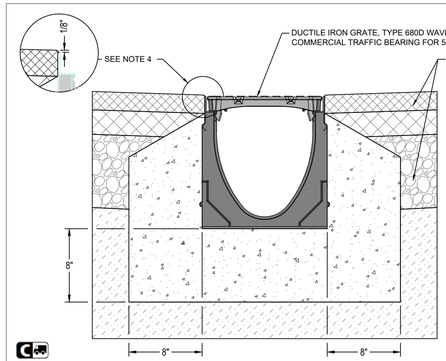
PROVIDE CERTIFICATION TO LANDSCAPE ARCHITECTS.



2 PERGOLA FOUNDATION PLAN
SCALE: N.T.S.



SECTION A-A



NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

K200 KLASSIKDRAIN 'DRAINLOK' LOAD CLASS C

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K200 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

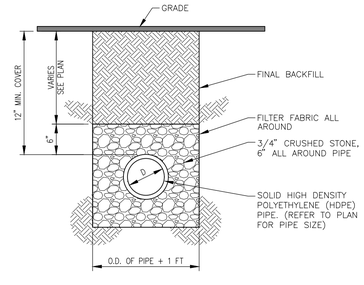
COMPRESSIVE STRENGTH:	*14,000 PSI*
FLEXURAL STRENGTH:	*4,000 PSI*
TENSILE STRENGTH:	*1,500 PSI*
WATER ABSORPTION:	*0.07%*
FROST PROOF	*YES*
DILUTE ACID AND ALKALI RESISTANT	*YES*
B117 SALT SPRAY TEST COMPLIANT	*YES*

THE SYSTEM SHALL BE 8" (200mm) NOMINAL INTERNAL WIDTH WITH A 10.2" (260mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

1 TRENCH DRAIN DETAIL
SCALE: N.T.S.



3 SOLID PIPE DETAIL
SCALE: N.T.S.

DCAK - MSA
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REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
NOTES & DETAILS

Project Number:	Responsible Party:	Reviewed By:
24002	SP	JAI

Scale:
AS NOTED

Drawing Number:
L-9

LUMEC

Urban

OmniScape
with ComfortEdge™ technology

S-OSA Arm Mount

Lumec OmniScape LED arm mount is the latest solution for high-performance lighting in any urban setting. With contemporary, transitional and historical style options, as well as single and dual arm configurations, this luminaire is versatile and adaptable to any environment. It features a precision and comfort light engine, which provides exceptional efficacy and glare control, ensuring comfortable and efficient illumination.

Project:
Location:
Cat.No:
Type: TYPE Z
Qty:
Notes:

Type Z: S-OSAC-C-115WLED-730-G1-3-UNV-DMG-OSC-1A-XXX-STDCOLOR

Ordering guide

example: S-OSAC-C-35WLED-730-G1-2F-UNV-DMG-TLRD7-PHBS-BKTX

Series	LED module	CRI CCT	Gen.	Optical System	Voltage	Driver	Options: Receptacle	Options: Control	Options: Luminaire	Options: Deco.	Arm mounting (shipped separately): Bracket	Arm	Interface	Finish
S-OSAC-C OmniScape LED arm mount luminaire with Contemporary luminaire Roof with high performance comfort optics	**15WLED**[1,2] 1,500 lumen **25WLED**[1] 3,000 lumen **35WLED** 4,000 lumen **50WLED** 5,000 lumen **60WLED** 6,000 lumen	722[3] 70CRI 2200K 727[3] 70CRI 2700K 730 70CRI 3000K 740 70CRI 4000K 742[3] 70CRI 4200K 827[3] 80CRI 2700K 830 80CRI 3000K 840 80CRI 4000K	**G1** Gen 1	**2** Type II (ASYM) **3** Type III (ASYM) **4** Type IV (ASYM) **5** Type (SYMM)	**UNV** 120-277V **HVU** 347-480V	**ZDA**[4] Zhaga-D4i certified fixture **D4i**[4] D4i certified DALI driver **DMG** 0-10V	**TLRD7** 7-Pin receptacle for photoelectric cell **TLRSR**[5] SR receptacle	**Photoelectric Cell (add "S" for S-OSAC):** **PHB (PHBS)** Twist-lock UNV (120-277VAC) **PHB/347 (PHB/347S)** Twist-lock (347VAC) **PHB/480 (PHB/480S)** Twist-lock (480VAC) **PH9 (PH9S)** Shorting Cap **PHXL (PHXLS)** Extended life UNV (120-277VAC) **OMS** Outdoor Multi-Sensor **Microwave Motion Sensor**[7,8] **MW10** Dim 10% **MW20** Dim 20% **MW30** Dim 30% **MW50** Dim 50%	**BAC**[9] Meets the requirements of the Buy American Act of 1933 (BAA) **FAWS**[9,8] Field adj. wattage selector **SP2** 20kV/10kA Surge Protector	**Deco. Finish**[10] **FN1** Black **FN2** Bronze **FN3** White **FN4** Dark Grey **FN5** Medium Grey **FN6** Silver **FN7** Black **FN8** Bronze **FN9** White **FN10** Dark Grey **FN11**	**For contemporary bracket (OSC)** **OSC** OmniScape contemporary	**1A** Single arm **2** Dual arm	**For 4" (102mm) round poles** **R4B** For 0.156" (4mm) wall thickness **R4D** For 0.120" (3mm) wall thickness **R4F** For 0.125" (3mm) wall thickness **R4N** For 0.188" (5mm) wall thickness **R4U** For 0.226" (7mm) wall thickness **R4V** For 0.250" (6mm) wall thickness **R4W** For 0.318" (8mm) wall thickness	**Textured Finishes** **BE2TX** Midnight Blue **BE8TX** Ocean Blue **BE9TX** Royal Blue **BG2TX** Sandstone Beige **BK1TX** Black **BR1TX** Bronze **GN4TX** Blue Green **GN6TX** Forest Green **GN8TX** Dark Forest Green **GN1TX** Green **GY3TX** Medium Grey **RD2TX** Burgundy **RD4TX** Scarlet **WH1TX** White **Others** **GR** Grey Sandtex **NP** Natural Alum **TG** Hammer-tone Gold **TS** Hammer-tone Silver
S-OSAP-C OmniScape LED arm mount luminaire with Historical Roof with high performance comfort optics	**105WLED** 12,000 lumen **115WLED** 14,000 lumen **159WLED** 16,000 lumen										**For transitional bracket (OST)** **OST** OmniScape transitional	**1A** Single arm **2** Dual arm	**For 4" (102mm) round poles** **R4** Standard	

1. Only available with DMG Driver options.
2. Only available with UNV Voltage option.
3. TLRSR must be selected this option.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
5. Not available with HVU voltage option.
6. Not available with DALI/DMG Driver options.
7. TLRD7 must be selected for this option. If used, photoelectric cell selection must be compatible with selected Voltage option. When selecting S-OSAC-C roof, IP66 photoelectric cell or shorting cap must be used to preserve IP66 rating of luminaire.
8. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
9. Not available with TLRD7 Receptacle option.
10. Finials (FNs) Decorative options are not available with S-OSAC Roof.
11. Longer lead time applies. Consult factory.
12. Only available with UNV 120-277V. Recommended maximum mounting height 16ft (4.6m).

S-OSA-C OmniScape

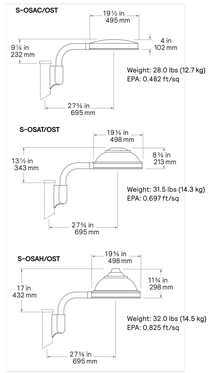
LED Urban Arm Mount with ComfortEdge technology

Contemporary Arm

Transitional Arm

Dimensions for Contemporary arm

Dimensions for Transitional arm



1 L-10 LIGHT FIXTURE S-OSAC-C
N.T.S.

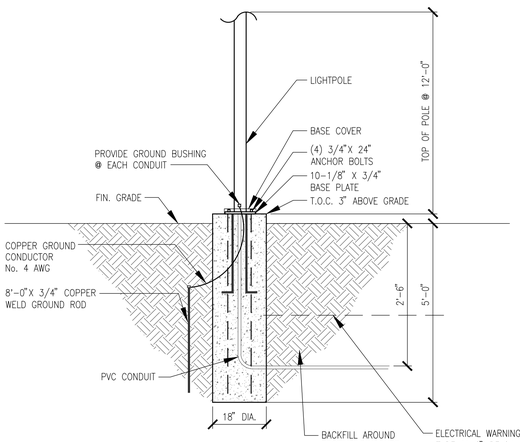
S-OSA-C OmniScape

LED Urban Arm Mount with ComfortEdge technology

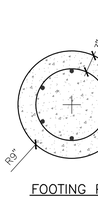
Standard Performance Lumen Values - 70CRI

Ordering Code	System Current (mA)	Avg. System Watts (W)	Type 2 Lumen Output	Type 2 BUG Rating	Type 2 Effic. (LPW)	Type 3 Lumen Output	Type 3 BUG Rating	Type 3 Effic. (LPW)	Type 4 Lumen Output	Type 4 BUG Rating	Type 4 Effic. (LPW)	Type 5 Lumen Output	Type 5 BUG Rating	Type 5 Effic. (LPW)
3700K / 70CRI														
15WLED-722-G1	335	14.4	1735	B1-U0-G1	120.4	1642	B1-U0-G1	114.0	1807	B1-U0-G1	125.4	1473	B1-U0-G1	103.0
25WLED-722-G1	565	24.4	2929	B1-U0-G1	120.3	2773	B1-U0-G1	113.8	3050	B1-U0-G1	125.2	2503	B2-U0-G1	103.9
35WLED-722-G1	775	34.4	4048	B2-U0-G2	117.7	3832	B2-U0-G2	111.4	4215	B2-U0-G2	122.5	3461	B2-U0-G2	100.6
50WLED-722-G1	1100	48.5	5559	B2-U0-G2	114.6	5262	B2-U0-G2	108.5	5789	B2-U0-G2	119.4	4860	B3-U0-G2	101.3
60WLED-722-G1	1370	59.4	6843	B2-U0-G3	115.1	6476	B2-U0-G2	109.0	7125	B2-U0-G2	119.9	6084	B3-U0-G2	102.4
75WLED-722-G1	1715	74.5	8391	B3-U0-G3	112.6	7941	B3-U0-G3	106.6	8737	B3-U0-G3	117.3	7369	B3-U0-G3	98.9
105WLED-722-G1	2350	104.0	11052	B3-U0-G3	106.3	10460	B3-U0-G3	100.6	11508	B3-U0-G3	110.7	10109	B4-U0-G3	99.1
115WLED-722-G1	1260	114.5	11747	B3-U0-G3	102.6	11119	B3-U0-G3	97.1	12232	B3-U0-G3	106.8	10617	B4-U0-G3	92.7
135WLED-722-G1	1485	134.2	13390	B3-U0-G3	99.8	12673	B3-U0-G3	94.5	13942	B3-U0-G3	103.9	12350	B4-U0-G3	91.5
159WLED-722-G1	1695	154.4	14808	B3-U0-G3	95.9	14015	B3-U0-G3	90.8	15419	B3-U0-G3	99.9	13678	B4-U0-G3	88.6
2700K / 70CRI														
15WLED-727-G1	335	14.4	1898	B1-U0-G1	131.7	1796	B1-U0-G1	124.6	1976	B1-U0-G1	137.1	1611	B1-U0-G1	112.7
25WLED-727-G1	565	24.4	3204	B1-U0-G2	131.5	3033	B1-U0-G1	124.5	3336	B1-U0-G2	137.0	2738	B2-U0-G1	113.6
35WLED-727-G1	775	34.4	4428	B2-U0-G2	128.7	4191	B2-U0-G2	121.8	4611	B2-U0-G2	134.0	3786	B2-U0-G2	110.1
50WLED-727-G1	1100	48.5	6081	B2-U0-G2	125.4	5755	B2-U0-G2	118.7	6332	B2-U0-G2	130.6	5316	B3-U0-G2	110.8
60WLED-727-G1	1370	59.4	7485	B3-U0-G3	125.9	7084	B3-U0-G3	119.2	7794	B3-U0-G3	131.1	6655	B3-U0-G2	112.0
75WLED-727-G1	1715	74.5	9178	B3-U0-G3	123.2	8686	B3-U0-G3	116.6	9557	B3-U0-G3	128.3	8061	B3-U0-G3	108.2
105WLED-727-G1	2350	104.0	12089	B3-U0-G3	116.2	11442	B3-U0-G3	110.0	12588	B3-U0-G3	121.0	11058	B4-U0-G3	106.4
115WLED-727-G1	1260	114.5	12849	B3-U0-G3	112.2	12161	B3-U0-G3	106.2	13380	B3-U0-G3	116.9	11613	B4-U0-G3	101.4
135WLED-727-G1	1485	134.2	14646	B3-U0-G3	109.2	13862	B3-U0-G3	103.3	15250	B3-U0-G3	113.7	13509	B4-U0-G3	100.1
159WLED-727-G1	1695	154.4	16198	B3-U0-G4	104.9	15330	B3-U0-G3	99.3	16866	B3-U0-G4	109.2	14961	B4-U0-G3	97.1
3000K / 70CRI														
15WLED-730-G1	335	14.4	2039	B1-U0-G1	141.5	1930	B1-U0-G1	133.9	2123	B1-U0-G1	147.3	1731	B1-U0-G1	121.0
25WLED-730-G1	565	24.4	3442	B1-U0-G2	141.3	3258	B1-U0-G1	133.7	3584	B1-U0-G2	147.1	2941	B2-U0-G1	122.1
35WLED-730-G1	775	34.4	4757	B2-U0-G2	138.3	4502	B2-U0-G2	130.9	4953	B2-U0-G2	144.0	4067	B3-U0-G2	118.2
50WLED-730-G1	1100	48.5	6532	B2-U0-G2	134.7	6182	B2-U0-G2	127.5	6802	B2-U0-G2	140.2	5711	B3-U0-G2	119.2
60WLED-730-G1	1370	59.4	8040	B3-U0-G3	135.3	7610	B3-U0-G3	128.0	8372	B3-U0-G3	140.8	7149	B3-U0-G2	120.3
75WLED-730-G1	1715	74.5	9859	B3-U0-G3	132.3	9331	B3-U0-G3	125.2	10266	B3-U0-G3	137.8	8659	B3-U0-G3	116.2
105WLED-730-G1	2350	104.0	12986	B3-U0-G3	124.9	12291	B3-U0-G3	118.2	13522	B3-U0-G3	130.0	11678	B4-U0-G3	116.5
115WLED-730-G1	1260	114.5	13803	B3-U0-G3	120.5	13064	B3-U0-G3	114.1	14373	B3-U0-G3	125.5	12415	B4-U0-G3	108.9
135WLED-730-G1	1485	134.2	15733	B3-U0-G4	117.3	14890	B3-U0-G3	111.0	16382	B3-U0-G4	122.1	14311	B4-U0-G3	107.5
159WLED-730-G1	1695	154.4	17400	B3-U0-G4	112.7	16468	B3-U0-G3	106.7	18118	B3-U0-G4	117.3	16071	B4-U0-G3	104.4
4000K / 70CRI														
15WLED-740-G1	335	14.4	2107	B1-U0-G1	146.2	1994	B1-U0-G1	138.4	2194	B1-U0-G1	152.2	1789	B1-U0-G1	125.1
25WLED-740-G1	565	24.4	3557	B1-U0-G2	146.0	3367	B2-U0-G2	138.2	3704	B1-U0-G2	152.1	3039	B2-U0-G1	126.2
35WLED-740-G1	775	34.4	4916	B2-U0-G2	142.9	4653	B2-U0-G2	135.3	5119	B2-U0-G2	148.8	4203	B3-U0-G2	122.2
50WLED-740-G1	1100	48.5	6751	B2-U0-G3	139.2	6389	B2-U0-G2	131.7	7029	B2-U0-G2	144.9	5902	B3-U0-G2	123.0
60WLED-740-G1	1370	59.4	8309	B3-U0-G3	139.8	7864	B3-U0-G3	132.3	8652	B3-U0-G3	145.6	7388	B3-U0-G3	124.4
75WLED-740-G1	1715	74.5	10189	B3-U0-G3	136.8	9643	B3-U0-G3	129.4	10610	B3-U0-G3	142.4	8949	B3-U0-G3	120.1
105WLED-740-G1	2350	104.0	13421	B3-U0-G3	129.0	12702	B3-U0-G3	122.1	13975	B3-U0-G3	134.4	12276	B4-U0-G3	120.4
115WLED-740-G1	1260	114.5	14265	B3-U0-G3	124.6	13501	B3-U0-G3	117.9	14854	B3-U0-G3	129.7	12892	B4-U0-G3	112.6
135WLED-740-G1	1485	134.2	16260	B3-U0-G4	121.2	15389	B3-U0-G3	114.7	16931	B3-U0-G4	126.2	14997	B4-U0-G3	111.1
159WLED-740-G1	1695	154.4	17982	B3-U0-G4	116.5	17019	B4-U0-G4	110.2	18724	B3-U0-G4	121.3	16609	B4-U0-G4	107.9

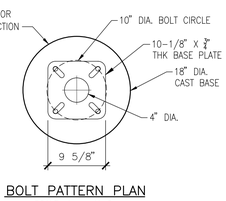
Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires. Consult DLC QPL to confirm your specific fixture selection is DLC approved.
Note: Some data may be scaled based on tests of similar but not identical luminaries.



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



FOOTING PAN
SCALE: 1" = 1'-0"



BOLT PATTERN PLAN
SCALE: 1" = 1'-0"

3 L-10 POLE MOUNTING BASE DETAIL
N.T.S.

DCAK · MSA
ARCHITECTURE AND ENGINEERING
53 HUDSON AVENUE
NYACK, NEW YORK 10960
www.DCAK-MSA.com
Email: info@DCAK-MSA.com
Tel 845-353-1300 Fax 845-353-1614

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Project Name:
JOSEPH G. CAPUTO COMMUNITY CENTER

Project Address:
95 BROADWAY
OSSINING, NY

Consultants

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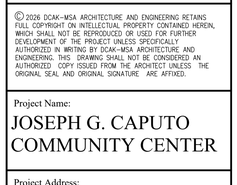
White Plains, NY 10601
spatel@iqlandarch.com | http://iqlandarch.com

Seal:



REVISIONS

No:	Date:	Description:	Responsible Party:
	12-23-2025	ISSUED FOR PERMIT	
	06-19-2026	ISSUED FOR BID	

Drawing:
LIGHTING DETAILS

Project Number:	Responsible Party:	Reviewed By:
24002	RR	JK

Scale:
AS NOTED

Drawing Number:
L-10

GARDCO

Poles & Brackets

Site and Area Poles

Straight Round Steel

The **Gardco SRS Straight Round Steel** pole consists of a one-piece high tensile carbon steel tube welded and secured to the carbon steel base plate providing excellent strength and integrity. The poles are finished with an electrostatically applied, thermally cured polyester powdercoat. All poles include base cover, hand hole, ground lug and top cap. Anchor bolts and templates are ordered as a separate accessory.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide

example: SRS-CB-5-7-25-T2D4L-N-BZ

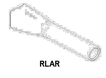
Family	Base	Pole Shaft Size (in.)	Pole Gauge/ Wall Thickness	Height (ft.) [1]	Drilling/Tenon Configurations [1]	Drilling Template [2]	Finish	Options [3]
SRS Straight Round Steel	**CB** Carbon Steel Base w. Base Cover	3	11 ga. / 0.120"	10 12 14 16	**Drilling** **D1** 1 Way **D1@180** 1 Way @ 180 **D2** 2 Way @ 180 **D2@90** 2 Way @ 90 **D3** 3 Way @ 90 **D3@120** 3 Way @ 120 **D4** 4 Way @ 90	**DT1** Drill Template 1 **DT2** Drill Template 2 **DT3** Drill Template 3 **DT4** Drill Template 4 **DT5** Drill Template 5 **DT6** Drill Template 6 (See drill template chart for details. (DT4-ea)[6] Custom Template	**BK** Black **BZ** Bronze **WH** White **DG** Dark Grey **MG** Medium Grey **GY3** [4] Light Grey, Smooth **SSDGY** [4] SolarForm Dark Grey (RAL7011) **GV** Galvenized (No Paint) **FP/GV** Finished Textured Paint over Galvenized (Specify, ex: MG/GV) **OC** Optional Color Paint (ex: RAL7024) **SC** [5] Special/Custom Color (Specify, must supply color chip)	**FES** [6] Festoon Outlet **VDA** [7] Vibration Dampener **AHH** [8] Additional Hand Hole **DR** [1, 9] Duplex Receptacle **VPA** Vandalproof Screws **GFI** [6] DR with GFI (120V only) **BAC** [9] Buy American Compliant **CL1/2** [6] Coupling 1/2" **CL3/4** [6] Coupling 3/4" **CL1** [6] Coupling 1" **CL1-1/4** [6] Coupling 1-1/4" **CL1-1/2** [6] Coupling 1-1/2" **NL1/2** [6] Nipple 1/2" **NL3/4** [6] Nipple 3/4" **NL1** [6] Nipple 1" **NL1-1/4** [6] Nipple 1-1/4" **NC1/2, 3/4, 1, 1-1/4** [6] CL1/2, 3/4, 1, 1-1/4 and NL1 Spacer, including NL1-1/4 holes above base and orientation to hand hole. See page 2 and 3 for details.
		4	**11** 11 ga. / 0.120"	**10** **12** **14** **16** **20** **25**	**Tenons** **T2D4L** 2-3/8" OD x 4" length **T2D6L** [6] 2-3/8" OD x 6" length **T3D4L** 3" OD x 4" length **T4D6L** 4" OD x 6" length	**N** No Drilling Template (for Tenon and Plain Top Options)		
L/SRS		**5**	**11** 11 ga. / 0.120"	**20** **25** 30	**No Drilling/No Tenon** **P** Plain Top			
			7 7 ga. / 0.180"	**25** 30				

1. See Drilling Configurations on Page 3.
2. See Luminaire Drilling Templates on Page 3
3. Not all options available with all configurations. Consult factory for more details
4. Options listed with gray text will be shipped with the Legacy SRS design. Use the L/SRS family code whenever these options are specified.
5. Pole heights can be cut to length. Specify as a whole number in ft. (ex. 11, 13) or to the inch as a decimal (ex. 15.33 = 15' 4") or as "15FT 4IN" for Legacy designs.
6. Option must be specified, including install location, by the customer before order release. FES, DR, GFI, AHH options typically must be placed 12-18" away from standard hand hole (20" or 12" above base).
7. Custom drill templates (DTX) require factory quote.
8. Option not available with Legacy SRS designs.
9. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
10. Consult Signify to confirm whether specific accessories are BAA-compliant.
11. Not available with 3" shaft size.

Accessories [10]

Service	Pole Size	12NC	Description (Diameter x Length x Hook)
Anchor Bolts + Templates			
For shipment with the pole (order 1 per pole)	3" Poles	912401597399	AB 3/4x17x3-G DEC w/ 8.5 BC ABT
	4" & 5" Poles	912401597397	AB 3/4x24x3-G DEC w/ 8.5 BC ABT
For Pre-Ship service (order 1 per pole)	3" Poles	912401597407	AB 3/4x17x3-G DEC w/ 8.5 BC ABT-RS
	4" & 5" Poles	912401597405	AB 3/4x24x3-G DEC w/ 8.5 BC ABT-RS

Part No.	Pole Size	Description
RLAR-1A-R4@4.9-{finish}	4" Poles	Cast Aluminum mounting arm, 15" long with DT6 drill pattern (order 1 per luminaire). For use with Lumec Roadway and Gardco SolarForm luminaires. (For SolarForm: use RLAR bracket to mount horizontally, use T2D6L tenon to mount vertically). Specify finish to match pole.
RLAR-1A-R5@6-{finish}	5" Poles	



RLAR

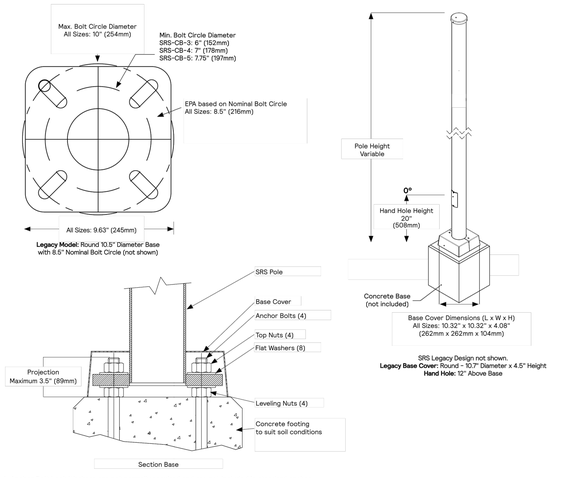
Poles Straight Round Steel

Quick Ship ordering guide

example: SRS-CB-4-11-20-D1-DT5-BZ-RS

Family	Base	Pole Shaft Size (in.)	Pole Gauge/ Wall Thickness	Height (ft.)*	Drilling Configuration	Drilling Template	Finish	Options
SRS Straight Round Steel	**CB** Carbon Steel Base w/ Cover	**4**	**11** 11 ga. / 0.120"	**20** **25**	**D1** 1 Way **D1@180** 1 Way @ 180 **D2** 2 Way @ 180 **D2@90** 2 Way @ 90 **D3** 3 Way @ 90 **D3@120** 3 Way @ 120 **D4** 4 Way @ 90	**DT5** Drill Template 5	**BZ** Bronze **MG** Medium Grey **BK** Black	**RS** RapidShip*

Dimensions



* Anchor Bolt Lock Washers are not normally required and are not included in standard anchor bolt sets. They are available upon request at additional cost.
** Grouting should include a drainage slot or tube (by others) to permit water to drain from the base of the pole. Failure to provide drainage may weaken the pole base structure over time and may result in pole base failure, for which Gardco is not responsible.

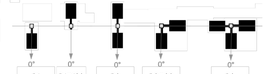
NOTE: Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.

2 L-10 LIGHT POLE
N.T.S.

Poles Straight Round Steel

Drilling Configuration

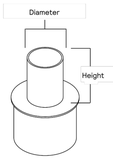
Code	Description
D1	Single luminaire
D1@180	Single luminaire @ 180
D2	Two luminaires @ 180
D2@90	Two luminaires @ 90
D3	Three luminaires @ 90
D3@120	Three luminaires @ 120
D4	Four luminaires @ 90



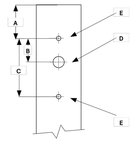
Ref. access door at 0° for all
Legacy design places access door at 180°

Tenon Dimensions

Tenon	Diameter	Height
T2D4L	2.375" (60mm)	4" (102mm)
T2D6L	2.375" (60mm)	6" (152mm)
T3D4L	3" (76mm)	4" (102mm)
T4D6L	4" (102mm)	6" (152mm)



Pole Top Drilling



Luminaire Drill Pattern

Code	Description	Luminaires	Pole Drilling A To Pole Top	B	C Full Extent	D Wireway Hole	E Bolt Hole
DT1	Drill Template 1	Gardco SlenderForm Round SFRA	2.25" (57mm)	1.5" (38.1mm)	3" (76mm)	0.875" (22.2mm)	0.40" (10.2mm)
DT2	Drill Template 2	Gardco SlenderForm Square - SFA Gardco Gullwing - GL13, GL18 Gardco Form Ten - EH14L, EH19L, CAL17, CAL22, MAL17, MAL22	2.25" (57mm)	2.17" (55mm)	3.84" (98mm)	0.875" (22.2mm)	0.39" (9.9mm)
DT3	Drill Template 3	Gardco PowerForm PFAS	2.25" (57mm)	1.75" (44mm)	3.84" (98mm)	0.875" (22.2mm)	0.41" (10.4mm)
DT4	Drill Template 4	**Gen1** Stonco/Keene AL150-G1, AL200-G1	2.5" (64mm)	1.7" (43mm)	3.5" (89mm)	0.875" (22.2mm)	0.41" (10.4mm)
DT5	Drill Template 5	Gardco EcoForm Gen2 - ECF-S, ECF-L Gardco PureForm Gen2 - P15, P20, P26, P34 OptiForm Small - OPF-S OptiForm Med - OPF-M OptiForm Large - OPF-L	3" (76mm)	1" (25mm)	3" (76mm)	1" (25mm)	0.41" (10.4mm)
DT6	Drill Template 6	Hole pattern drilled for the following: Attach RLAR bracket accessory, suitable for use with: Lumec Capella CPLM, CPLS Lumec RoadStar GPLM, GPLS Lumec RoadFocus RFS, RFM, RFL Lumec RoadView RVM, RVS Lumec MiniView SVS Lumec StreetView SVM Gardco SolarForm BRP710	2.5" (64mm)	1" (25mm)	2" (50mm)	0.875" (22mm)	0.5" (12.7mm)

Poles Straight Round Steel

Pole Data

Product Catalog Number	Pole Specs Height (ft.)	Pole Specs Pole Diameter (in.)	Pole Specs Wall Thickness (in.)	Pole Specs Pole Weight (lbs)	Anchor Bolt Data Bolt Circle (in.)	Anchor Bolt Data Legacy Bolt Circle (in.)	Anchor Bolt Data Anchor Bolt Spec (in.)	Anchor Bolt Data Legacy Anchor Bolt Spec (in.)	Anchor Bolt Data Anchor Bolt Max Proj. (in.)
SRS-CB-3-11-10	10	3	0.12	37	8.5 (6-10)	8.5 (8-9)	3/4 x 17 x 3	3/4 x 17 x 3	3.5
SRS-CB-3-11-12

JOSEPH G. CAPUTO COMMUNITY CENTER
95 BROADWAY, OSSINING, NY 10562

ENERGY CODE - COMCHECK

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	2025 Energy Conservation Construction Code of New York State
Project Title:	Community Center_Roof & Doors
Location:	Ossining, New York
Climate Zone:	5a
Project Type:	Alteration
Project No:	122806
Project Sub Type:	Other Alteration
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Energy Credits

Description	Credit

Not applicable

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	0
Proposed Capacity:	0
Required Capacity:	0
Proposed Off-site Energy:	0
Required Off-site Energy:	0
Exception:	None

Renewables Pass

Building Area

Description	Floor Area
1-Town Hall (Town Hall) : Nonresidential	35400

Envelope Compliance Certificate

Project Information

Energy Code:	2025 Energy Conservation Construction Code of New York State
Project Title:	Community Center_Roof & Doors
Location:	Ossining, New York
Climate Zone:	5a
Project Type:	Alteration
Vertical Glazing / Wall Area:	0.300
Project Sub Type:	Other Alteration

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Envelope Assemblies

Post-Alteration Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Proposed SHGC	Max Allowed U-Factor	Max Allowed SHGC
Roof:Roof, [Bldg. Use 1 - Town Hall]	17700	---	33.00	0.030	---	0.032	---
EAST							
Ext Wall:Ext Wall 3, [Bldg. Use 1 - Town Hall]	400	0.00	30.00	0.030	---	0.055	---
Door:Door 3, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 1 - Town Hall]	47	---	---	0.450	0.33	0.450	0.33
Door:Door 4, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 1 - Town Hall]	47	---	---	0.450	0.33	0.450	0.33
SOUTH							
Ext Wall:Ext Wall, [Bldg. Use 1 - Town Hall]	272	0.00	30.00	0.030	---	0.055	---
Door:Door, Entrance Door, Entrance Door, [Bldg. Use 1 - Town Hall]	29	---	---	0.630	0.33	0.630	0.33
Ext Wall:Ext Wall 2, [Bldg. Use 1 - Town Hall]	96	0.00	30.00	0.030	---	0.055	---
Door:Door 2, Entrance Door, Entrance Door, [Bldg. Use 1 - Town Hall]	47	---	---	0.630	0.33	0.630	0.33
WEST							
Ext Wall:Ext Wall 1, [Bldg. Use 1 - Town Hall]	464	0.00	30.00	0.030	---	0.055	---
Door:Door 1, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 1 - Town Hall]	57	---	---	0.450	0.33	0.450	0.33

(a) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2025 Energy Conservation

Construction Code of New York State requirements in COMcheck-Web and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

SHARON LOBO — 6/10/26

PRESIDENT

Name - Title | Signature | Date

THE REQUIRED ROOF R-VALUE IS R33 CI
PER NYSTRETCH-ENERGY-CODE-2020 &
2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

NYSTRETCH-ENERGY-CODE-2020	
	R VALUES-CLIMATE ZONE 4A-R33 CI
0.00	ROOF MEMBRANE
2.50	1/2" THICK COVERBOARD
33.00	POLYISO INSULATION-2 LAYERS
0.00	VAPOR BARRIER MEMBRANE
2.50	1/2" THICK COVERBOARD
38.00	TOTAL

INDUS ARCHITECTS PLLC
425 BROADHOLLOW RD
MELVILLE, NY 11747
PHONE: (212)-398-6900
FAX: (212)-398-6905
WWW.INDUSOFNY.COM

BID SET	06/19/2026

PROJECT TITLE AND LOCATION:
95 BROADWAY
OSSINING, NY 10562

BLOCK	N/A
LOT	N/A

DOB STAMP:

DOB BSCAN:

DRAWING TITLE:
COMCHECK &
ENERGY CODE

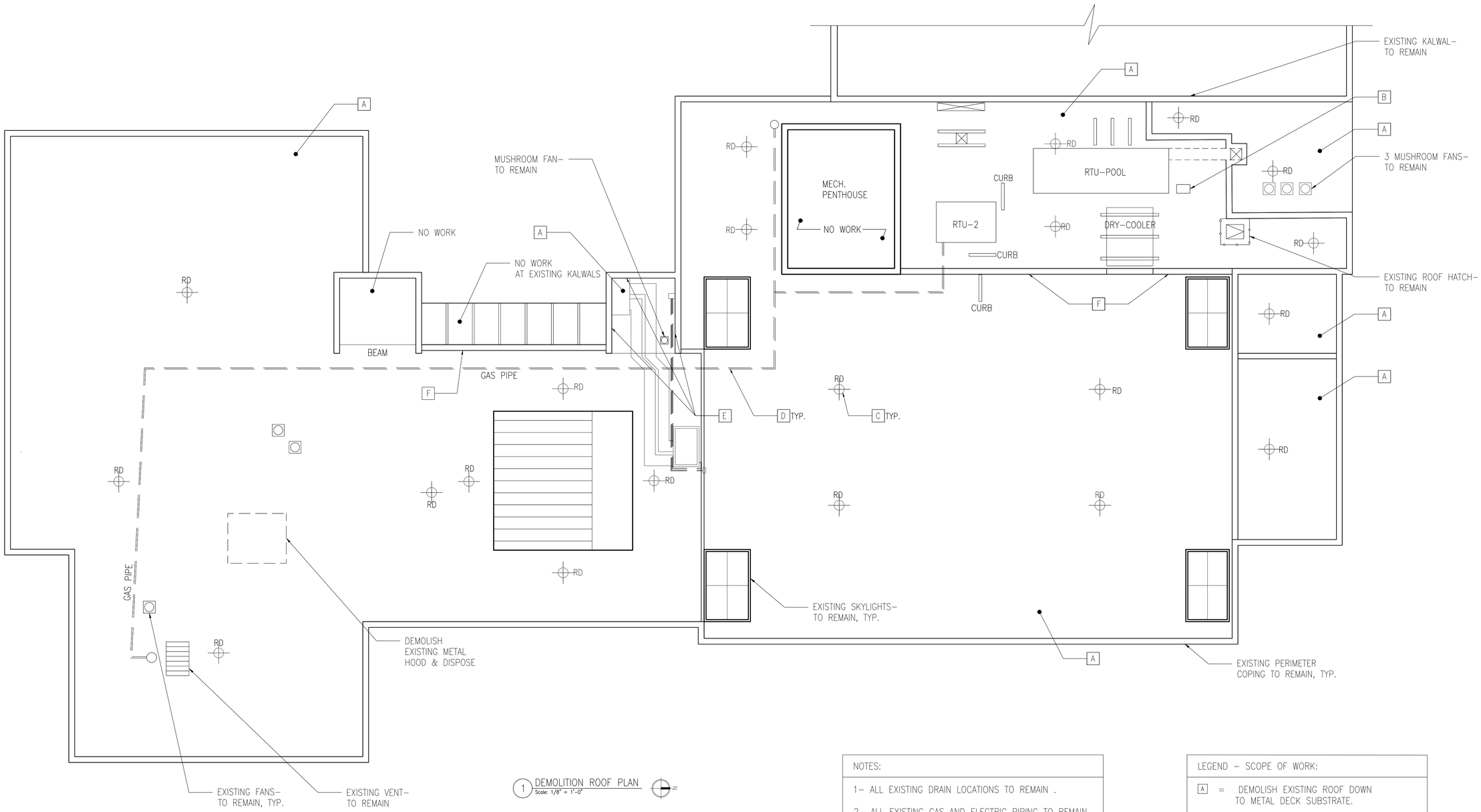
PROJECT NUMBER: 261088.01	DATE:
DRAWN BY:	CHECKED BY:

REGISTERED ARCHITECT:

REGISTERED ARCHITECT — SHARON ANN LOBO — 026868 — STATE OF NEW YORK

DRAWING NUMBER:
R-001.00

CAD FILE NO.	PAGE NO. PG OF PG



1 DEMOLITION ROOF PLAN
Scale: 1/8" = 1'-0"

NOTES:

1– ALL EXISTING DRAIN LOCATIONS TO REMAIN .

2– ALL EXISTING GAS AND ELECTRIC PIPING TO REMAIN AND SHALL BE OPERATIONAL DURING THE WORK. SALVAGE EXISTING SUPPORTS & REINSTALL.

3– ALL EXISTING SKYLIGHTS TO REMAIN.

4– ALL EXISTING VENT STACKS TO REMAIN.

5– ALL EXISTING MECHANICAL EQUIPMENT & DUNNAGE CURBS TO REMAIN.

6– ALL EXISTING ROOFTOP FANS, DUCTWORK & CURBS TO REMAIN.

7– ALL EXISTING BRICK PARAPETS & BRICK TO REMAIN.

8– ALL STRUCTURAL BEAMS & COLUMNS TO REMAIN.

LEGEND – SCOPE OF WORK:

A = DEMOLISH EXISTING ROOF DOWN TO METAL DECK SUBSTRATE.

B = DEMOLISH EXISTING PITCH POCKET, PIPING & PENETRATIONS TO REMAIN

C = DEMOLISH EXISTING DRAIN BODY, CLAMP & RING–EXISTING PIPING TO REMAIN.

D = SALVAGE EXISTING PIPE SUPPORTS FOR EXISTING PIPING–REINSTALL AS NEEDED.

E = DEMOLISH BASE OF EIFS WALL TO ACCEPT NEW FLASHING.

F = DEMOLISH EXISTING METAL COPING.

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BID SET	06/19/2026

PROJECT TITLE AND LOCATION:
95 BROADWAY
OSSINING, NY 10562

BLOCK	N/A
LOT	N/A

DOB STAMP:

DOB BSCAN:

DRAWING TITLE:
ROOF DEMOLITION PLAN

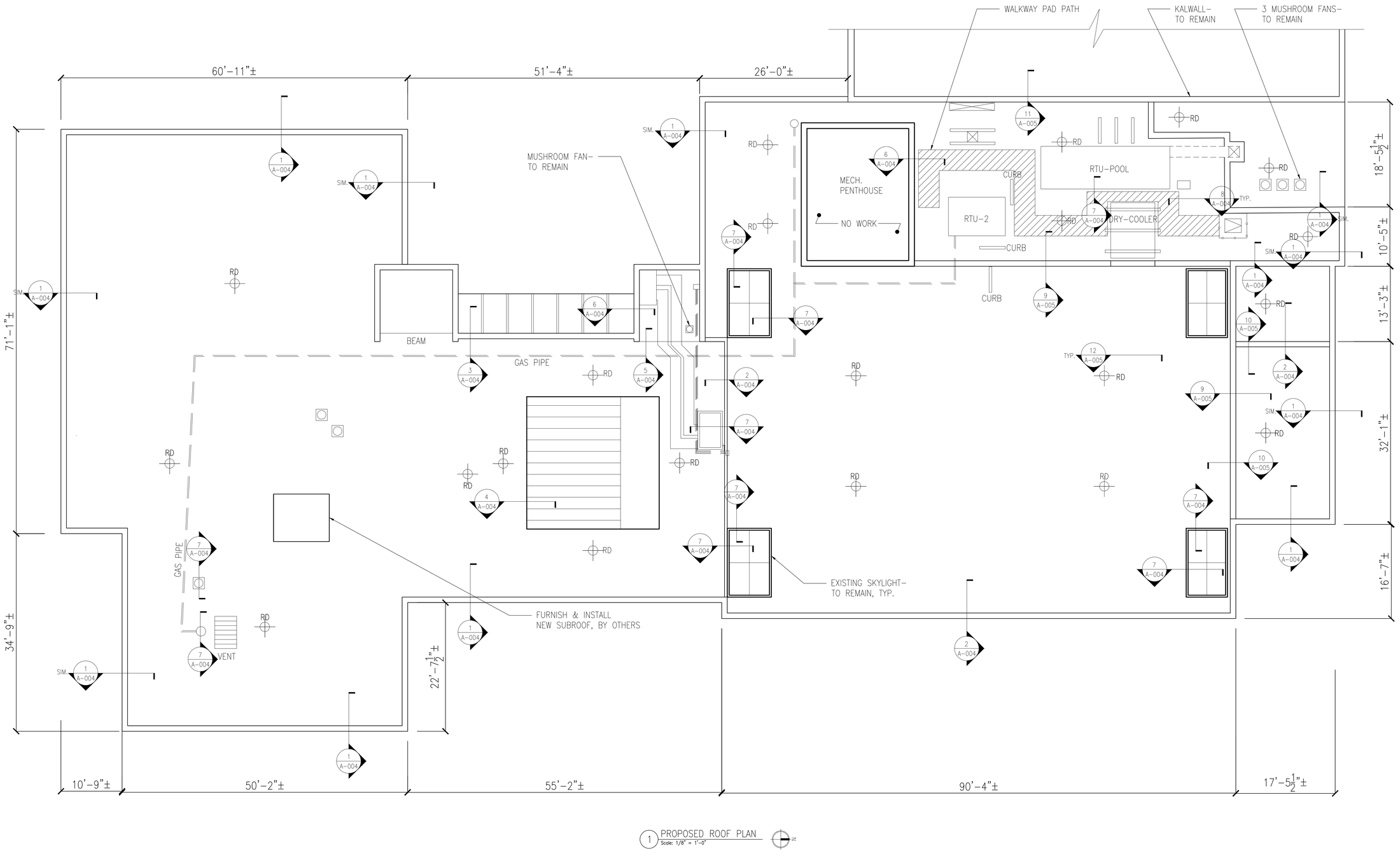
PROJECT NUMBER: 261088.01	DATE:
DRAWN BY:	CHECKED BY:

REGISTERED ARCHITECT:

REGISTERED ARCHITECT
SHARON ANN LINDUS
026888
STATE OF NEW YORK

DRAWING NUMBER:
A-001.00

CAD FILE NO.	PAGE NO. PG OF PG



1 PROPOSED ROOF PLAN
Scale: 1/8" = 1'–0"

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DOB BSCAN:

DRAWING TITLE:
ROOF PROPOSED PLAN

PROJECT NUMBER: 261088.01	DATE:
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REGISTERED ARCHITECT:

REGISTERED ARCHITECT SHARON ANN LOBEL 026988 STATE OF NEW YORK

DRAWING NUMBER:
A-002.00

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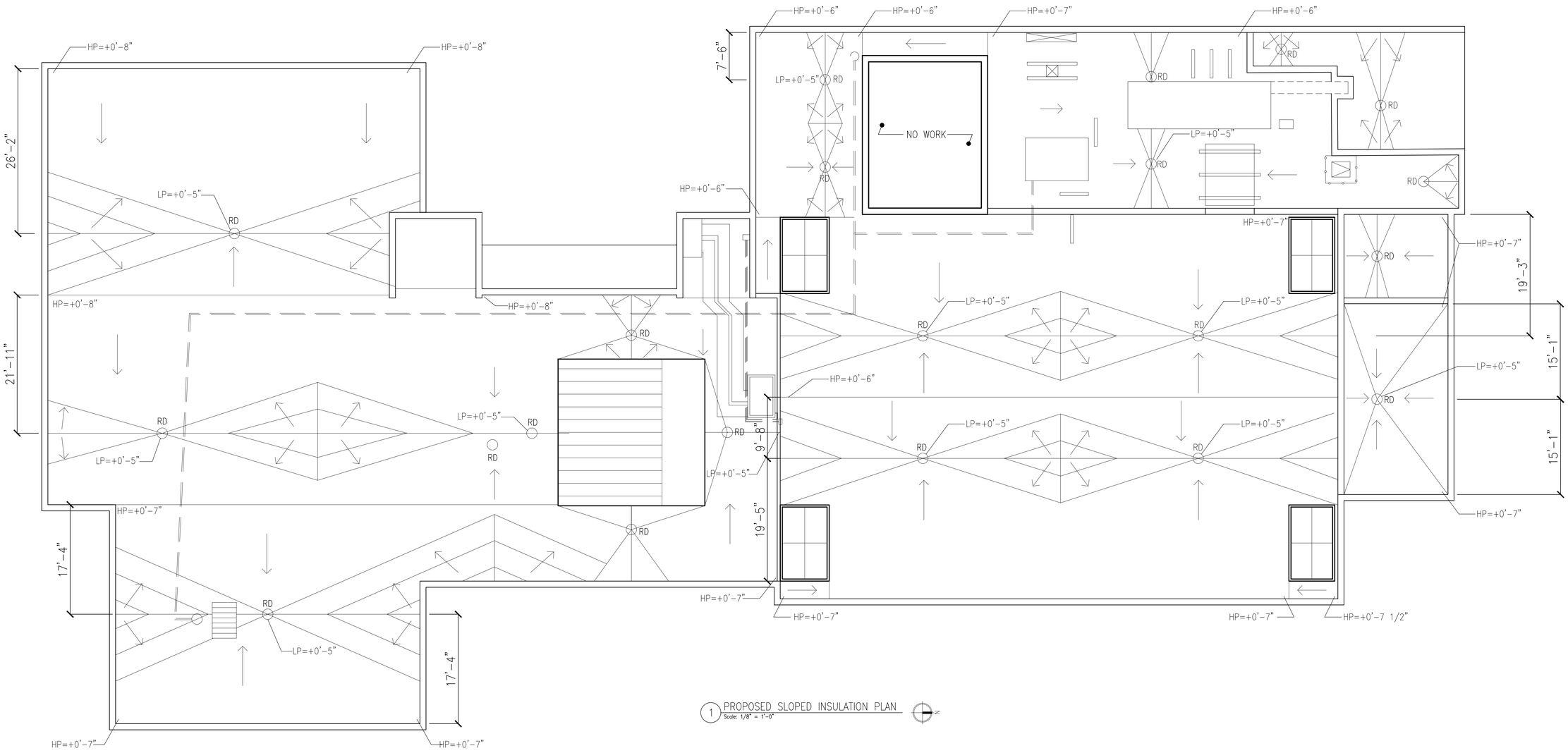

1 PROPOSED SLOPED INSULATION PLAN
Scale: 1/8" = 1'-0"

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95 BROADWAY
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LOT	N/A

DOB STAMP:

DOB BSCAN:

DRAWING TITLE:
ROOF-SLOPED INSULATION PLAN

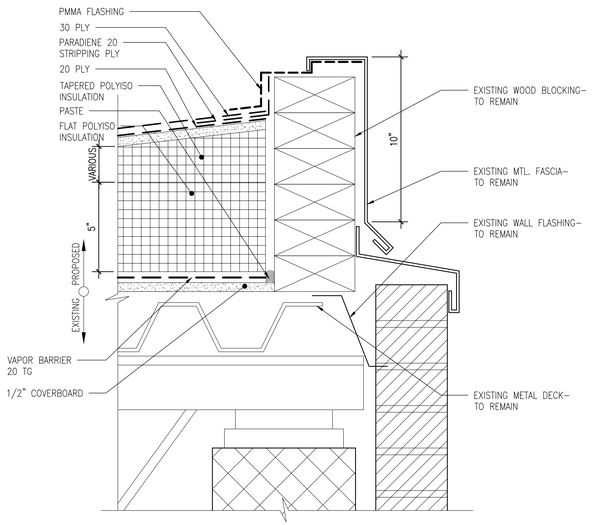
PROJECT NUMBER: 261088.01	DATE:
DRAWN BY:	CHECKED BY:

REGISTERED ARCHITECT:

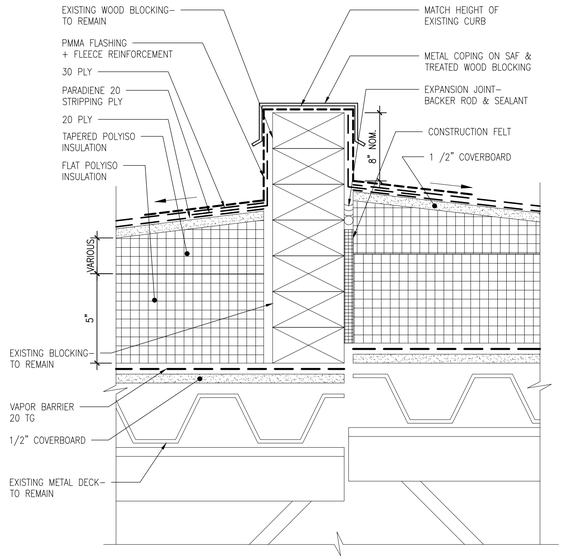
REGISTERED ARCHITECT
SHARON ANN LOH
026888
STATE OF NEW YORK

DRAWING NUMBER:
A-003.00

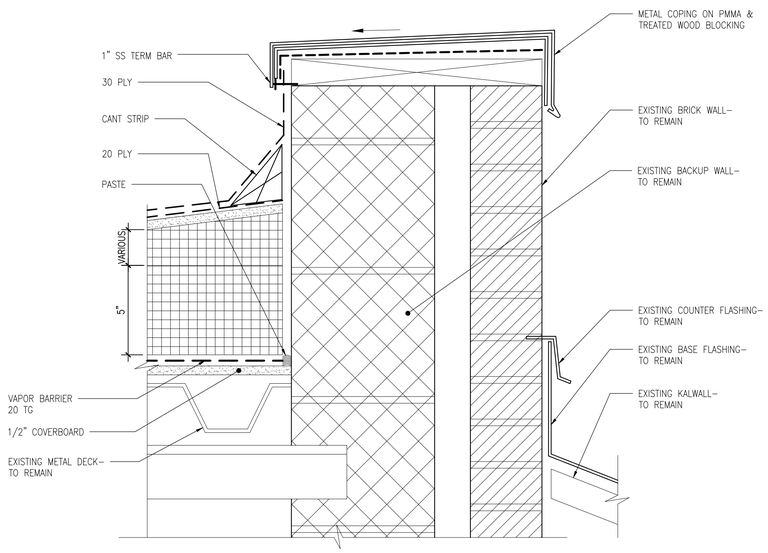
CAD FILE NO.	PAGE NO. PG OF PG



1 PARAPET DETAIL–LOW PARAPET CONDITION (LESS THAN 12" HIGH)
Scale: 3" = 1'–0"



2 CURB DETAIL–NEW CURB CONDITION
Scale: 3" = 1'–0"



3 PARAPET DETAIL–HIGH PARAPET CONDITION (GREATER THAN 12" HIGH)
Scale: 3" = 1'–0"

4 SKYLIGHT DETAIL
Scale: 3" = 1'–0"

5 PARAPET DETAIL
Scale: 3" = 1'–0"

6 EIFS WALL DETAIL
Scale: 3" = 1'–0"

7 PENETRATION DETAIL
Scale: 3" = 1'–0"

8 POST DETAIL
Scale: 3" = 1'–0"

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DETAILS

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REGISTERED ARCHITECT:

REGISTERED ARCHITECT SHARON ANN LOPEZ 026988 STATE OF NEW YORK

DRAWING NUMBER:
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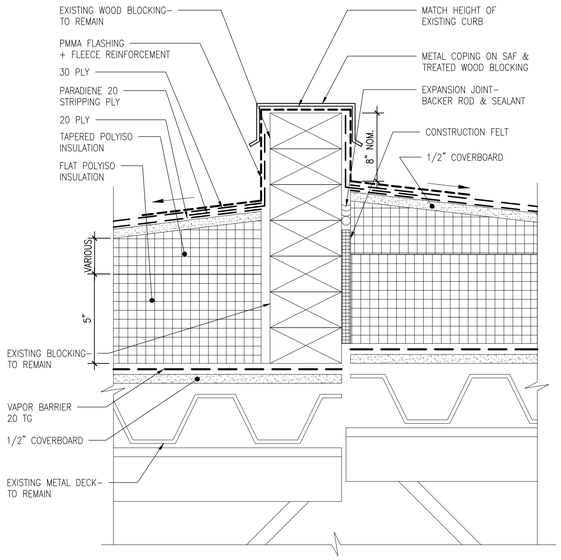
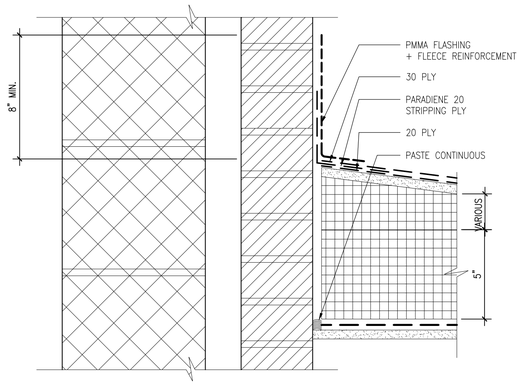
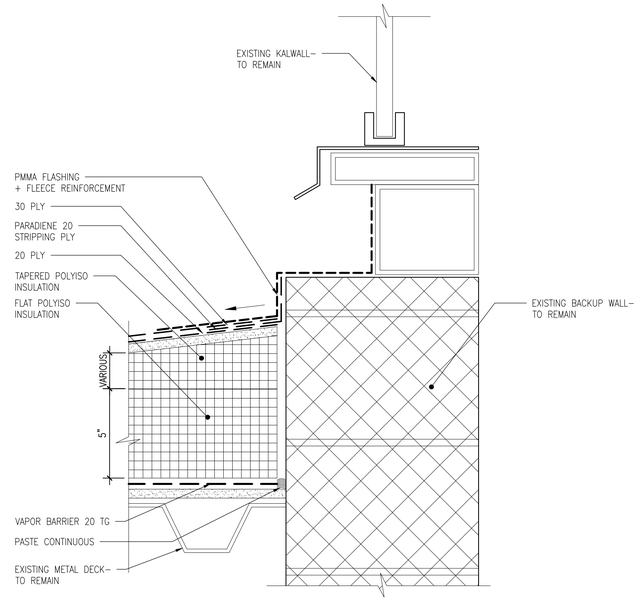


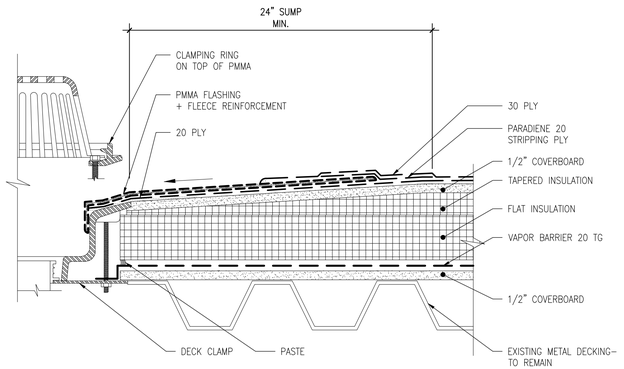
9 CURB DETAIL
Scale: 3" = 1'–0"



10 WALL DETAIL
Scale: 3" = 1'–0"

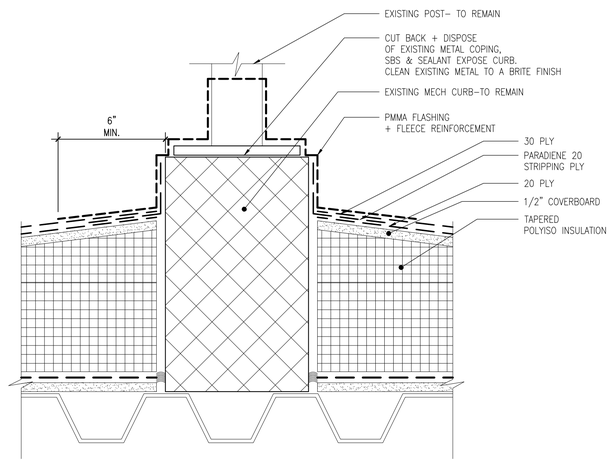


11 WALL DETAIL
Scale: 3" = 1'–0"



12 ROOF DRAIN DETAIL
Scale: 3" = 1'–0"

NOTE:
1– STOP UP DRAINPIPE + BOLT HOLES PRIOR TO PMMA INSTALLATION.
2– INSTALL CLAMPING RING AFTER PMMA HAS SET.



13 DUNNAGE CURB DETAIL
Scale: 3" = 1'–0"

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