

MONTCLAIR STATE UNIVERSITY BOHN HALL - 3RD FLOOR - PR23C006 COMMUNITY KITCHEN RENOVATION 1 NORMAL AVENUE MONTCLAIR, NJ 07043

Project Team

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Applicable Building Codes

- UNIFORM CONSTRUCTION CODE (N.J.A.C. 5:23 - SUBCHAPTERS 1-12)
- 2021 INTERNATIONAL BUILDING CODE - NJ EDITION
- 2021 INTERNATIONAL MECHANICAL CODE (N.J.A.C. 5:23-3.20)
- LIFE SAFETY CODE NFPA-101 2020 EDITION
- 2017 ICC/ANSI A117.1-2017 BARRIER FREE SUB CODE
- REHABILITATION SUB CODE: ALTERATIONS (N.J.A.C. 5:23-6.6)
- INSTALLATION OF SPRINKLER SYSTEMS NFPA 13-2016
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70) (N.J.A.C. 5:23-3.16)
- INTERNATIONAL ENERGY CONSERVATION CODE ASHRAE 90.1-2019
- NATIONAL STANDARD PLUMBING CODE/2021, NJ ed
- INTERNATIONAL FUEL GAS CODE/2021

BUILDING ANALYSIS

USE GROUP:	R-2 (DORMITORY)
CONSTRUCTION CLASSIFICATION:	II-B NON COMBUSTIBLE
FULLY SPRINKLERED:	YES
NUMBER OF STORIES:	16
AREA OF PROPOSED WORK:	715 SQ. FT.

Abbreviations

A.F.F.	ABOVE FINISH FLOOR	L.D.R.	LEADER
ALUM.	ALUMINUM	L.P.	LOW POINT
@	AT	M.H.	MANHOLE
ACOUS.	ACOUSTIC	M.O.	MASONRY OPENING
ALT.	ALTERNATE	MAX.	MAXIMUM
BM.	BEAM	M.E.P.	MECHANICAL, ELECTRICAL & PLUMBING
B.E.J.	BUILDING EXPANSION JOINT	M.E.R.	MECHANICAL EQUIPMENT ROOM
BET.	BETWEEN	MTL.	METAL
BLK.	BLOCK OR BLOCKING	M.F.D.	METAL FLOOR DECK
BD.	BOARD	M.F.T.R.	MANUFACTURER
BOT.	BOTTOM	M.R.D.	METAL ROOF DECK
BLDG.	BUILDING	MISC.	MISCELLANEOUS
B.O.	BOTTOM OF	N.	NORTH
C.B.	COLLECTOR BOX	N.J.P.E.	NEW JERSEY PROFESSIONAL ENGR.
CEM.	CEMENT	N.I.C.	NOT IN CONTRACT
CEM. PLAS.	CEMENT PLASTER	N.T.S.	NOT TO SCALE
C.L.	CENTER LINE	NO.	NUMBER
CONC.	CONCRETE	O.C.	ON CENTER
C.M.U.	CONCRETE MASONRY UNIT	OPNG.	OPENING
CONT.	CONTINUOUS	O.D.	OUTSIDE DIAMETER
CONTR.	CONTRACTOR	O.A.	OVERALL
C.J.	CONTROL JOINT	PART.	PARTITION
COORD.	COORDINATE	PLAS.	PLASTER
CTS.K.	COUNTERSUNK	PL.	PLATE
DET.	DETAIL	PNT.	PAINT
DIAM.	DIAMETER	P.T.	PRESSURE TREATED
D.F.	DRINKING FOUNTAIN	PTD.	PAINTED
DR.	DOOR	REV.	REVISION
DN.	DOWN	R.	RISERS
EA.	EACH	R.D.	ROOF DRAIN
EL.	ELEVATION	R.M.	ROOM
E.O.S.	EDGE OF SLAB	R.O.	ROUGH OPENING
EXIST.	EXISTING	SECT.	SECTION
EXP. JT.	EXPANSION JOINT	S.P.	STEEL PIPE COLUMN
EXP.	EXPOSED	SPECS.	SPECIFICATIONS
EXT.	EXTERIOR	SQ.	SQUARE
EXTR.	EXTRUDED	SQ. FT.	SQUARE FEET
FT.	FEET	S.S.	STAINLESS STEEL
FIN.	FINISH	ST. STL.	STAINLESS STEEL
FIN. FLR.	FINISH FLOOR	STL.	STEEL
F.G.	FINISH GRADE	STRUCT.	STRUCTURAL
F.E.	FIRE EXTINGUISHER	SUSP.	SUSPENDED
F.P.	FIREPROOFING	T.O.	TOP OF
F.O.	FACE OF	T.O.C.	TOP OF CURB
FL.	FLOOR	T.O.S.	TOP OF SLAB
F.D.	FLOOR DRAIN	T.O.STL.	TOP OF STEEL
F.O.W.	FACE OF WALL	T.	TREADS
FNDTN.	FOUNDATION	T.O.P.	TOP OF PARAPET
GALV.	GALVANIZED	T.O.W.	TOP OF WALL
GA.	GAUGE	TYP.	TYPICAL
G.C.	GENERAL CONTRACTOR	U.L.	UNDERWRITERS LABORATORY
H.R.	HAND RAIL	U.O.N.	UNLESS OTHERWISE NOTED
HDWR.	HARDWARE	VERT.	VERTICAL
H.S.S.	STEEL TUBE BEAM OR COLUMN	V.I.F.	VERIFY IN FIELD
HT.	HEIGHT	W.C.	WATER CLOSET
H.P.	HIGH POINT	W.F.	WIDE FLANGE BEAM OR COLUMN
H.M.	HOLLOW METAL	W.P.	WORK POINT
HOR.	HORIZONTAL	W.PFG.	WATERPROOFING
I.D.	INSIDE DIAMETER	WWW.	WELDED WIRE MESH
I.D.F.	INTERMEDIATE DISTRIBUTION FRAME	W/	WITH
INSUL.	INSULATION	WD.	WOOD

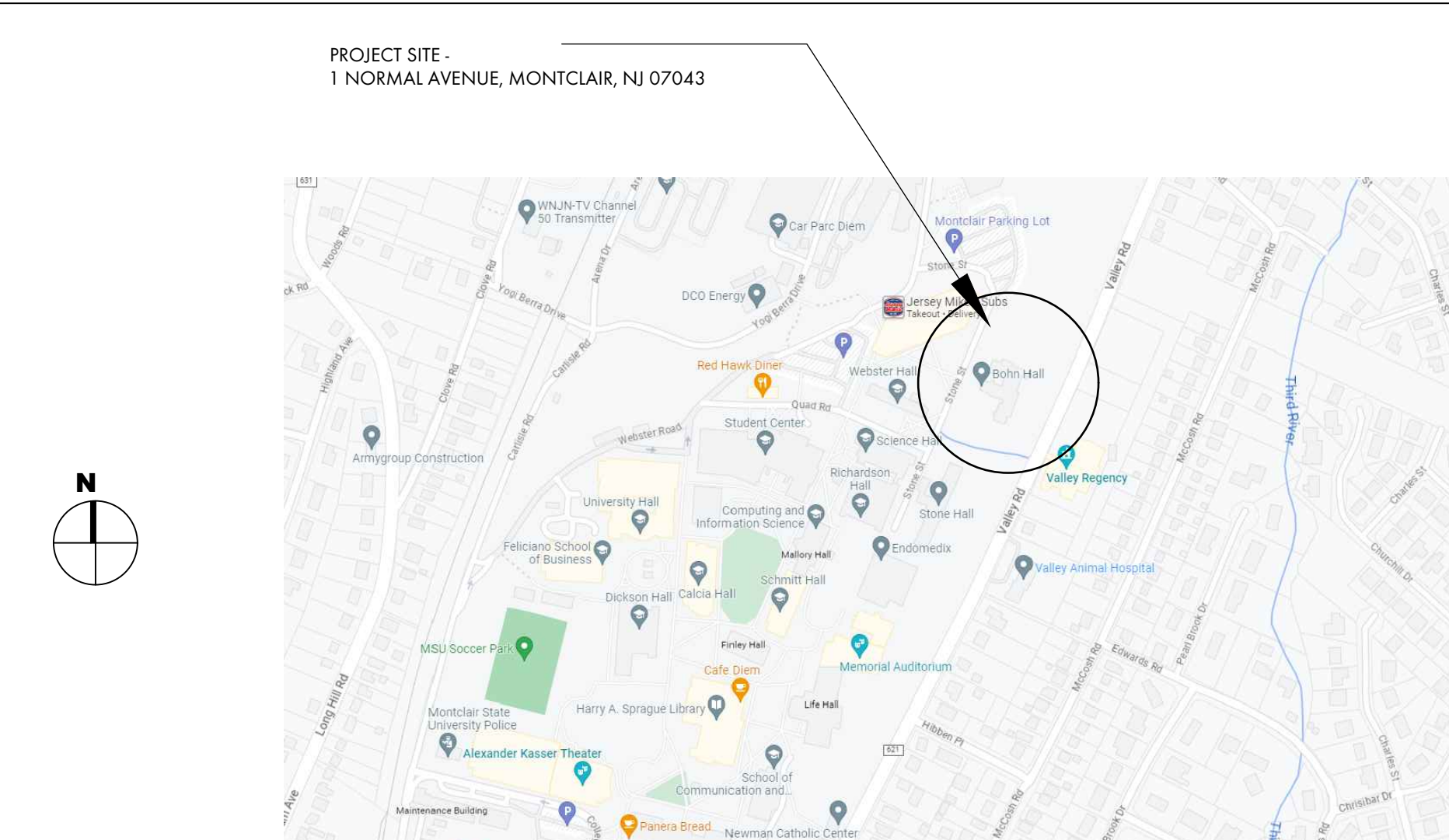
Symbols

MATERIAL DESIGNATION					
	GRAVEL OR POROUS FILL		GROUT		CONCRETE
	EARTH		PROTECTION BOARD/ GYPSUM BOARD		RIGID INSULATION
	CONCRETE MASONRY UNITS		PLYWOOD		NEW PARTITION COORD. WITH PARTITION TYPE
	BRICK/ CMU VENEER		STEEL		
DETAILS & ELEVATIONS		WINDOWS & DOORS			
	WALL SECTION		WINDOW/ ALUMINUM FRAME		
	BUILDING CROSS SECTION		DOOR TAG (WITH NO AREA)		
	EXTERIOR ELEVATION		DOOR TAG (WITH AREA)		
	DETAIL	DATUM REFERENCE			
		FLOOR LINE LEVEL OR DATUM EL. 0'-0" (0'-0")			
MISCELLANEOUS					
	INTERIOR ELEVATION		TOILET ACCESSORY BUILT-IN EQUIPMENT		GENERAL NOTE
	DETAIL		DETAIL		DETAIL
MATERIAL KEY NOTES		DOCUMENT REVIEW			
MATERIAL KEY NOTES ARE USED IN LIEU OF STANDARD NOTES IN ORDER TO IMPROVE READABILITY OF DOCUMENTS. MATERIAL KEY NOTES ARE IN CSI FORMAT AND REFER TO SPECIFICATION SECTIONS IN WHICH SPECIFIC MATERIALS APPEAR.		EACH CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL ARCHITECTURAL, CIVIL, STRUCTURAL, HVAC, FIRE PROTECTION, PLUMBING, ELECTRICAL & TECHNOLOGY DRAWINGS. ALL DOCUMENTS CONTAIN INFORMATION WHICH IS COMPLEMENTARY TO EACH TRADE AND MUST BE REVIEWED & UNDERSTOOD PRIOR TO BIDDING THIS PROJECT.			
REFERENCE NOTES		WORK			
NOTES PERTAINING TO SPECIFIC MATERIALS, DIMENSIONS, AND/OR DESCRIPTIONS OF WORK AS THEY RELATE TO THE DRAWINGS ON WHICH THEY APPEAR. ALL REFERENCE NOTES ARE COMPLEMENTARY TO EACH DRAWING AND ARE TO BE CAREFULLY REVIEWED PRIOR TO CONSTRUCTION.		WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NATIONAL, LOCAL & ALL OTHER APPLICABLE CODES & REQUIREMENTS AS DETERMINED BY AUTHORITIES HAVING JURISDICTION.			

Building & Code Analysis

2 Key Plan
SCALE: NTS

Location Map



12.05.23	RESPONSE TO FM COMMENTS	
10.09.23	PERMIT AND CONSTRUCTION	
09.15.23	PERMIT AND CONSTRUCTION	
No.	Date	Description
Revisions / Issues		

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Client:
Montclair State University
Stone Street
Montclair, NJ 07043

Project:
**Bohn Hall - 3rd Floor
Community Kitchen Renovation**
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 07/24/2023
Drawn By: SBT
Checked By: JMB

Sheet Name:
Cover Sheet

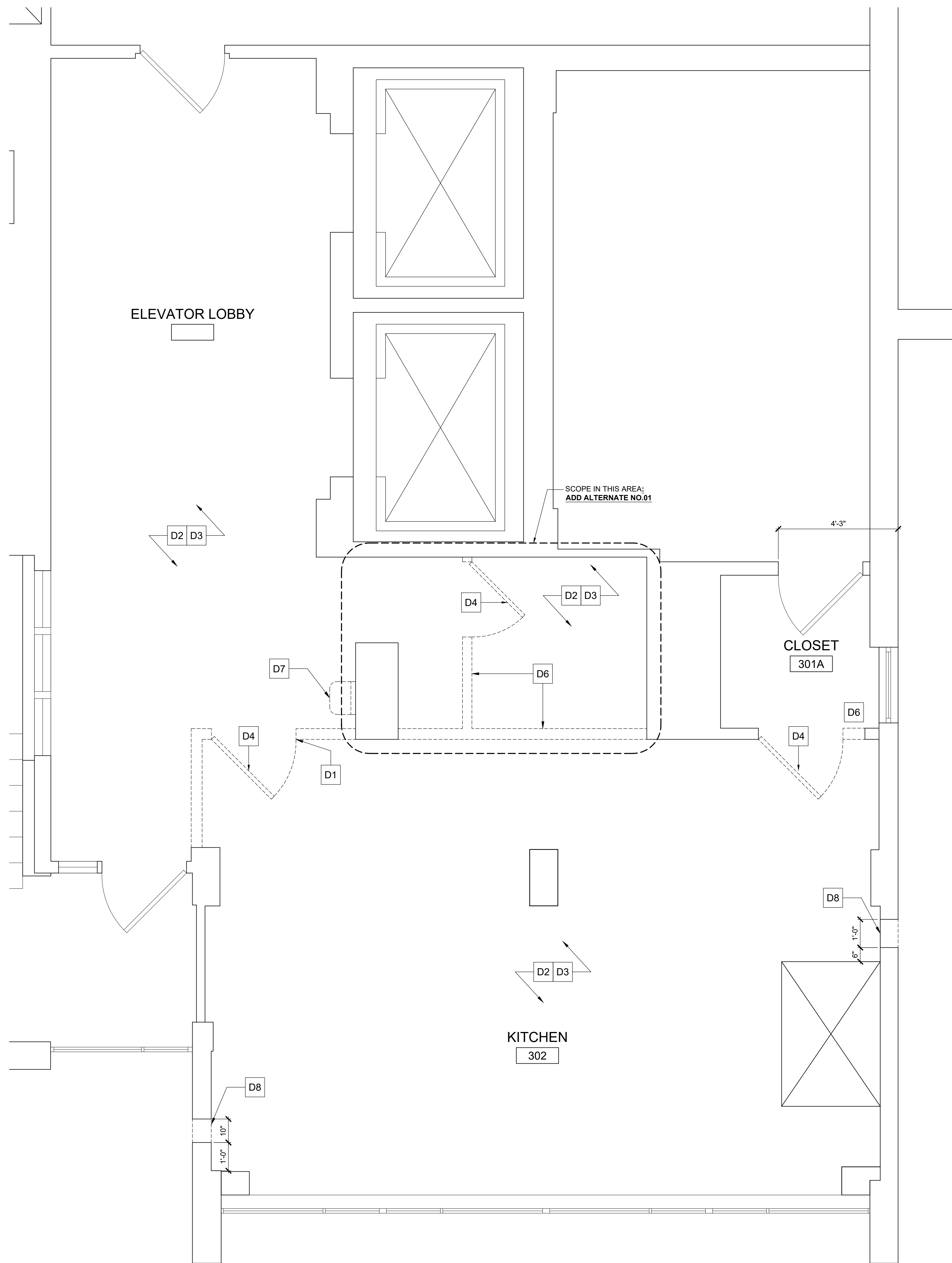
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A-000
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GENERAL DEMOLITION NOTES

- A. THE FOLLOWING ARE MEANT TO GENERALLY DESCRIBE THE SCOPE OF THE SELECTIVE DEMOLITION ITEMS FOR THIS PROJECT. PRIOR TO BIDDING THIS PROJECT, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY QUANTITIES, MATERIALS, REQUIRED WORKING HEIGHTS (FOR REMOVALS SUCH AS CEILINGS), EXISTING FASTENING METHODS (FOR ACTUAL REMOVAL EFFORT REQUIRED), AND OTHER EXISTING CONSTRUCTION DETAILS RELEVANT TO THE EFFORT REQUIRED FOR THE DEMOLITION DESCRIBED HEREIN. THE CONTRACTOR IS RESPONSIBLE TO CAREFULLY REMOVE AND / OR RELOCATE ALL MATERIAL AND EQUIPMENT REQUIRED TO FACILITATE THE ALTERATIONS AND IMPROVEMENTS DESCRIBED IN THESE DOCUMENTS, WHETHER THE DEMOLITION ITEM OF WORK IS DESCRIBED IN THESE DOCUMENTS, OR NOT.
- B. DEMOLITION WORK AS SPECIFIED HEREIN IS TO BE PERFORMED COMPLETELY BY THE CONTRACTOR "COMPLETELY" SHALL MEAN THE SPECIFIC OBJECT NAMED AND ANY ACCESSORY OR AUXILIARY ITEMS WHICH WOULD REASONABLY BE CONSIDERED AS PART OF THE ITEM NAMED SUCH AS FOUNDATIONS, FOOTINGS, RAILINGS, ELBOWS, BOLTS, NUTS, ETC. "COMPLETELY" SHALL ALSO MEAN ABOVE GRADE AND BELOW GRADE FOR ALL DEMOLITION REMOVAL AND DISPOSAL.
- C. THE DEMOLITION CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGES RESULTING FROM THE CONTRACTORS FAILURE TO DO SO SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY TEST PIT OR OTHER MEANS PRIOR TO DEMOLITION IN THE VICINITY OF THE UTILITIES.
- D. THE EXTENT OF ITEMS TO BE REMOVED ON THE DEMOLITION PLAN ARE SHOWN BY BROKEN LINES. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO THE START OF DEMOLITION WORK.
- E. PRIOR TO THE START OF WORK, IN EACH ROOM, THE CONTRACTOR SHALL VERIFY THAT ALL LOOSE FURNITURE, SHELVING, PICTURES, PROJECTION SCREENS, ARTWORK, VENDING MACHINES, TABLES, PLACES, DIRECTORIES, ROOM SIGNAGE, OFFICE EQUIPMENT, COMPUTERS, ETC. HAVE BEEN REMOVED FROM EACH ROOM IF THIS HAS NOT BEEN DONE, NOTIFY THE OWNER IMMEDIATELY. DO NOT PROCEED WITH WORK UNTIL ROOM IS CLEAR AND EMPTY OF ANY/ALL ITEMS DESCRIBED HEREIN.
- F. DIMENSIONS GIVEN AND INFORMATION SHOWN REFLECT EXISTING CONDITIONS TAKEN FROM FORMER ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DOCUMENTS. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED PRIOR TO REMOVAL AND DEMOLITION WORK, FABRICATION AND INSTALLATION OF NEW PARTITIONS AND MECHANICAL/ELECTRICAL COMPONENTS.
- G. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFFSITE DISPOSAL OF ANY AND ALL EXCESS MATERIAL AND OTHER UNSUITABLE MATERIAL UNABLE TO BE USED ON SITE.
- H. EXISTING FINISHES THAT HAVE BEEN PREVIOUSLY DAMAGED, OR ARE DAMAGED DURING CONSTRUCTION WORK SHALL BE REPAIRED TO MATCH ADJACENT EXISTING CONSTRUCTION. ALL EXISTING FINISHES ARE TO BE ALTERED, REMOVED, AND REPAIRED AS REQUIRED TO PROVIDE NEW FINISHES AS SCHEDULED.
- I. ALL EXISTING WALLS, CEILINGS, TRIM, ETC. TO RECEIVE NEW PAINT FINISH SHALL BE REPAIRED, SCRAPED, SANDED, AND CLEANED AS REQUIRED PRIOR TO APPLICATION OF NEW PAINT.
- J. WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NATIONAL, STATE, LOCAL, AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS AS DETERMINED BY AUTHORITIES HAVING JURISDICTION.
- K. GENERAL CONTRACTOR SHALL COORDINATE REMOVAL OF ANY EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL OUTLETS, DEVICES OR SWITCHING LOCATED ON WALLS SCHEDULED TO REMAIN AND SHALL BE REMOVE ALL CIRCUITING WIRING BACK TO THE ELECTRIC PANEL(S) PROVIDING POWER. GENERAL CONTRACTOR TO COORDINATE THE REMOVAL OF ALL PLUMBING, MECHANICAL, AND ELECTRICAL ITEMS WITH RESPECTIVE CONTRACTORS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PATCHING AND REPAIR OF EXISTING WALL WHERE DEVICES ARE REMOVED AND SHALL PREPARE SURFACES AS REQUIRED TO RECEIVE NEW SCHEDULED FINISHES.
- L. THIS BUILDING IS OCCUPIED AND SHALL CONTINUE TO OPERATE THROUGHOUT CONSTRUCTION. ANY WORK REQUIRED THAT MAY REQUIRED "OFF-HOURS" LABOR SHALL BE ACCOUNTED FOR IN THE PROJECT SCOPE.
- M. CONTRACTOR WILL INSTALL TEMPORARY PROTECTION AROUND PROJECT AREA TO SPREAD OF DUST AND OTHER CONSTRUCTION DEBRIS BEYOND WORK ZONE. PROVIDE WALK-OFF MATS AT ENTRY / EXIT POINTS INTO WORK SPACE. GENERAL CONTRACTOR SHALL PROTECT ALL SURROUNDING FLOORING AND ENTRY INTO SUITE WITH HARDBOARD AND/OR PLASTIC SHEETING.
- N. PROVIDE AND INSTALL ANY AND ALL REQUIRED TEMPORARY SUPPORT, SHORING, BRACING AND/OR NEEDLING TO STABILIZE AND SUPPORT EXISTING BUILDING FRAMING FOR ROOF, FLOORS AND ALL WALLS CONCERNING THE WORK DESCRIBED IN THESE DOCUMENTS.
- O. TO CONDUCT PRE-DEMOLITION INSPECTION TO ASSURE NO ACM'S OR OTHER HAZARDOUS MATERIALS ARE PRESENT. OWNER TO COORDINATE REMOVAL IF REQUIRED.

DEMOLITION LEGEND

- D1 REMOVE PORTION OF EXISTING GYPSUM PARTITION IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO VISION PANELS, TRIM, WALL BASE, ETC. PATCH EXISTING ADJACENT AREAS AS REQUIRED THAT HAVE BEEN DISTURBED BY DEMOLITION AND PREPARE SURFACES AS REQUIRED TO RECEIVE NEW SCHEDULED FINISH (REFER TO FINISH SCHEDULE) OR MATCH ADJACENT SURFACES AS REQUIRED IF NOT INCLUDED IN FINISH SCHEDULE. ANY EXISTING ELECTRICAL OUTLETS, DEVICES OR SWITCHING LOCATED IN PORTION OF WALLS SCHEDULED TO BE DEMOLISHED SHALL BE REMOVED AND RELOCATED TO ADJACENT WALL. GENERAL CONTRACTOR TO COORDINATE THE REMOVAL OF ALL PLUMBING, MECHANICAL, AND ELECTRICAL ITEMS WITH RESPECTIVE CONTRACTORS.
- D2 REMOVE EXISTING FLOORING FINISH (CARPETING AND VINYL BASE), BASE AND RELATED TRIM PIECES. PATCH, CLEAN AND PREPARE EXISTING SUB-FLOOR AS REQUIRED TO RECEIVE NEW SCHEDULED FINISH.
- D3 REMOVE ENTIRE EXISTING CEILING SYSTEM INCLUDING BUT NOT LIMITED TO GYPSUM CEILING AND ASSOCIATE FRAMING OR SUSPENDED GRID SYSTEM, HVAC, ELECTRICAL OR FIRE PROTECTION DEVICES, FURRING, WIRE SUPPORTS, HANGERS, WOOD TRIM, COVE MOLDING, EDGE TRIM, SIGNAGE, ETC. TAKE SPECIAL CARE TO MAINTAIN EXISTING ABOVE CEILING FIRE PROTECTION BARRIERS. THOROUGHLY REPAIR WALLS AT EDGE TRIM REMOVAL AND PREPARE ALL DISTURBED SURFACES TO RECEIVE NEW SCHEDULED FINISHES. LIGHTING FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL REGISTERS SHALL BE SALVAGED FOR REUSE AND REINSTALLATION. GO TO STORE ON-SITE AND PROTECT FOR REUSE.
- D4 REMOVE EXISTING DOOR AND FRAME ASSEMBLY (EXTENT SHOWN BY BROKEN LINES). COORDINATE WITH NEW CONSTRUCTION TO PREPARE FOR NEW DOOR & FRAME ASSEMBLY. PATCH EXISTING ADJACENT AREAS AS REQUIRED THAT HAVE BEEN DISTURBED BY DEMOLITION AND PREPARE SURFACES AS REQUIRED TO RECEIVE NEW SCHEDULED FINISH (REFER TO FINISH SCHEDULE) OR MATCH ADJACENT SURFACES AS REQUIRED IF NOT INCLUDED IN FINISH SCHEDULE.
- D5 FURNITURE AND EQUIPMENT TO BE REMOVED BY OWNER.
- D6 REMOVE PORTION OF EXISTING MASONRY WALL (EXTENT SHOWN BY BROKEN LINES) TO 6" ABOVE UNDERSIDE OF NEW SPECIFIED CEILING. PATCH EXISTING ADJACENT AREAS AS REQUIRED THAT HAVE BEEN DISTURBED BY DEMOLITION AND PREPARE SURFACES AS REQUIRED TO RECEIVE NEW SCHEDULED FINISH (REFER TO FINISH SCHEDULE) OR MATCH ADJACENT SURFACES AS REQUIRED IF NOT INCLUDED IN FINISH SCHEDULE. ANY EXISTING ELECTRICAL OUTLETS, DEVICES OR SWITCHING LOCATED IN PORTION OF WALLS SCHEDULED TO BE DEMOLISHED SHALL BE REMOVED AND RELOCATED TO ADJACENT WALL. GENERAL CONTRACTOR TO COORDINATE THE REMOVAL OF ALL PLUMBING, MECHANICAL, AND ELECTRICAL ITEMS WITH RESPECTIVE CONTRACTORS.
- D7 REMOVE EXISTING DRINKING FOUNTAIN AND RETURN TO OWNER FOR REUSE OR DISPOSAL. CAP ALL PLUMBING AND OR ELECTRIC AS DIRECTED BY MEP DOCUMENTS.
- D8 CAREFULLY SAW CUT AND DEMOLISH PORTION OF EXISTING EXTERIOR MASONRY WALL FOR NEW DUCTWORK. REFER TO MECHANICAL DOCUMENTS FOR DUCT SIZE AND CONFIGURATION.



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

No.	Date	Description
12.05.23		RESPONSE TO FM COMMENTS
10.09.23		PERMIT & CONSTRUCTION
09.15.23		PERMIT & CONSTRUCTION

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Client:
Montclair State University
1 Normal Avenue
Montclair, NJ 07043

Project:
**Bohn Hall - 3rd Floor
Community Kitchen Renovation**
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 07/24/2023
Drawn By: SBT
Checked By: JWB

Sheet Name:
Demolition Plan and Notes

Sheet No:
D-100
Sheet 0 of 000

GENERAL CONSTRUCTION NOTES

EACH CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL ARCHITECTURAL, HVAC, FIRE PROTECTION, PLUMBING & ELECTRICAL DRAWINGS. ALL DOCUMENTS CONTAIN INFORMATION WHICH IS COMPLIMENTARY TO EACH TRADE AND MUST BE REVIEWED & UNDERSTOOD PRIOR TO CONSTRUCTION OF THIS PROJECT.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE OF ALL GOVERNING AUTHORITIES. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON THE JOB AND SHALL BE RESPONSIBLE FOR SAME.

EACH SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. WORK SHALL NOT PROCEED UNTIL SUCH CLARIFICATION HAS BEEN RECEIVED. CLAIMS FOR EXTRA WORK RESULTING FROM FAILURE TO DO SO WILL NOT BE ALLOWED.

SHOULD UNFORESEEN CONDITIONS OR OTHER CAUSES NECESSITATE CONSTRUCTION DETAILS NOT IN ACCORDANCE WITH THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND SUBMIT DETAILS FOR ARCHITECT'S REVIEW SHOWING THE PROPOSED METHODS TO ACCOMPLISH THE REQUIRED RESULTS, AND AWAIT ARCHITECT'S INSTRUCTIONS.

PROTECT FROM DAMAGE ALL STRUCTURES, FINISHES, UTILITIES, EQUIPMENT, ETC. SCHEDULED TO REMAIN. MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING. PROVIDE TEMPORARY PROTECTIVE DUST AND WATERTIGHT ENCLOSURES WHERE AND WHEN REQUIRED AS PER THE OWNERS DIRECTIVE.

EACH SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND MISALIGNMENT ACCORDING TO THE APPLICABLE CODES, STANDARDS AND GOOD PRACTICE.

THE AREA IMMEDIATE TO THE WORK SITE SHALL BE KEPT CLEAN AT ALL TIMES BY EACH SUB-CONTRACTOR. REMOVE ALL DEBRIS FROM THE SITE TO A POINT OF LEGAL DISPOSAL. THE GENERAL CONTRACTOR WILL SUPPLY A CONTAINER FOR THIS PURPOSE. OWNER TO INSTRUCT OF APPROVED TEMPORARY ON-SITE LOCATION.

PARTITIONS

ALIGN PARTITION AND WALL ASSEMBLIES TO A TOLERANCE OF ONE IN 200 HORIZONTALLY AND ONE IN 500 VERTICALLY. SPACE THE STUDS AS REQUIRED FOR COMPLIANCE WITH PERTINENT REGULATIONS TO GIVE PROPER SUPPORT FOR THE COVERING MATERIAL AND AS INDICATED ON THE DRAWINGS.

COORDINATE AND PROVIDE PROPER BACKING AND OTHER SUPPORT FOR ITEMS TO BE MOUNTED ON THE FINISH COVERING.

GYPSUM DRYWALL
SUBJECT TO COMPLIANCE WITH REQUIREMENTS PROVIDE PRODUCTS OF ONE OF THE FOLLOWING MANUFACTURERS:

GYPSUM BOARDS AND RELATED PRODUCTS:
GEORGIA-PACIFIC CORP.
GOLD BOND BUILDING PRODUCTS DIV., NATIONAL GYPSUM CO.
UNITED STATES GYPSUM CO.

PROVIDE GYPSUM BOARD OF TYPES INDICATED IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END JOINTS.

CARPENTRY

CONCEALED SPACES WITHIN WALL PARTITIONS SHALL BE FIRESTOPPED PER CODE. PROVIDE ONE LAYER OF 5/8" GYPSUM WALL BOARD ON EACH FACE OF ALL INTERIOR PARTITIONS. PROVIDE CORNER BEAD, CASING BEAD, "J" MOLD, TAPE ETC. AS REQUIRED. PROVIDE THREE COATS OF JOINT COMPOUND SANDED AND READY FOR THE SCHEDULED FINISH. APPLICATION PROCEDURES AND WORKMANSHIP FOR ALL GYPSUM WALL BOARD SHALL BE IN ACCORDANCE WITH ANSI A971. NO EXPOSED EDGE OR CORNER SHALL BE WITHOUT A PROTECTIVE BEAD.

ALL WOOD BLOCKING IN WALLS SHALL BE FIRE RETARDANT TREATED WOOD.

ALL PENETRATIONS INCLUDING CEILING, WALL AND FLOOR, SHOULD BE SEALED WITH FM APPROVED PENETRATION SEALS WITH FIRE RATINGS EQUAL TO THOSE OF THE SURROUNDING CONSTRUCTION.

ALL METAL STRAPPING IN WALLS SHALL BE 18 GAGE STEEL.

FASTENERS AND ANCHORS:

- SCREWS: SELECT MATERIAL, TYPE, SIZE, AND FINISH REQUIRED FOR EACH USE. COMPLY WITH FS FF-5-111 FOR APPLICABLE REQUIREMENTS. FOR METAL FRAMING SUPPORTS, PROVIDE SCREWS AS RECOMMENDED BY METAL FRAMING MANUFACTURER.
- NAILS: SELECT MATERIAL, TYPE, SIZE, AND FINISH REQUIRED FOR EACH USE. COMPLY WITH FS FF-N-105 FOR APPLICABLE REQUIREMENTS.

ANCHORS: SELECT MATERIAL, TYPE, SIZE, AND FINISH REQUIRED BY EACH SUBSTRATE FOR SECURE ANCHORAGE. PROVIDE NONFERROUS METAL OR HOT-DIP GALVANIZED ANCHORS AND INSERTS ON INSIDE FACE OF EXTERIOR WALLS AND ELSEWHERE AS REQUIRED FOR CORROSION RESISTANCE. PROVIDE TOOTHED STEEL OR LEAD EXPANSION BOLT DEVICES FOR DRILLED-IN-PLACE ANCHORS.

COORDINATION: FIT CARPENTRY WORK TO OTHER WORK. SCRIBE AND COPE AS REQUIRED FOR ACCURATE FIT. CORRELATE LOCATION OF FURRING, MAILERS, BLOCKING, GROUNDS AND SIMILAR SUPPORTS TO ALLOW ATTACHMENT OF OTHER WORK.

INSTALLER MUST EXAMINE THE SUBSTRATES AND SUPPORTING STRUCTURE AND THE CONDITIONS UNDER WHICH THE CARPENTRY WORKS TO BE INSTALLED AND NOTIFY THE GENERAL CONTRACTOR IN WRITING OF CONDITIONS DETRIMENTAL TO THE WORK. DO NOT PROCEED WITH THE INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE INSTALLER.

FLOORING

INSTALL RUBBER EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES, AND WHERE FLOORING TERMINATES. SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS. FIT WALL BASE JOINTS TIGHT AND VERTICAL. MAINTAIN MINIMUM MEASUREMENT OF 18 INCHES BETWEEN JOINTS. AT EXTERNAL CORNERS AND EXPOSED ENDS, USE PREMOLDED UNITS. INSTALL BASE ON SOLID BACKING, BOND TIGHT TO WALL AND FLOOR SURFACES. CLEAN FLOOR AND BASE SURFACES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROHIBIT TRAFFIC ON FLOOR FINISH FOR 48 HOURS AFTER INSTALLATION.

INTERIOR FINISHES

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 SUCH 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

MATERIALS HAVING A THICKNESS LESS THAN 0.036 INCH (0.9 MM) APPLIED DIRECTLY TO THE SURFACE OF WALLS OR CEILINGS SHALL NOT BE REQUIRED TO BE TESTED.

WHERE USED AS INTERIOR WALL FINISH MATERIALS, TEXTILE WALL COVERINGS, INCLUDING MATERIALS HAVING WOVEN OR NON-WOVEN, NAPPED, TUFTED, LOOPEO OR SIMILAR SURFACE AND CARPET AND SIMILAR TEXTILE MATERIALS, SHALL HAVE A CLASS A FLAME SPREAD INDEX AND SHALL BE TESTED IN THE MANNER INTENDED FOR USE, USING THE PRODUCT MOUNTING SYSTEM, INCLUDING ADHESIVE, COMPLYING WITH THE REQUIREMENTS OF ASTM E84 OR UL 723 AND BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM. TEST SPECIMEN PREPARATION AND MOUNTING SHALL BE IN ACCORDANCE WITH ASTM E2044.

PAINTING

DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIENT TEMPERATURES ARE OUTSIDE THE TEMPERATURE RANGES REQUIRED BY THE PAINT PRODUCT MANUFACTURER. CONTRACTOR SHALL PRIME ALL SURFACES PREVIOUSLY PAINTED, SANDING DOWN ANY CHIPS OR DEVIATIONS IN SURFACE PRIOR TO APPLYING NEW FINISH.

REMOVE ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS AND FITTINGS PRIOR TO PREPARING SURFACES FOR FINISHING.

CORRECT DEFECTS AND CLEAN SURFACES THAT AFFECT THIS WORK. REMOVE EXISTING COATINGS THAT EXHIBIT LOOSE SURFACE DEFECTS. SEAL MARKS THAT MAY BLEED THROUGH SURFACE FINISHES.

GYPSUM BOARD SURFACES: FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR.

PAINT EXPOSED CONDUIT AND ELECTRICAL EQUIPMENT OCCURRING IN FINISHED AREAS.

APPLY PAINT IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

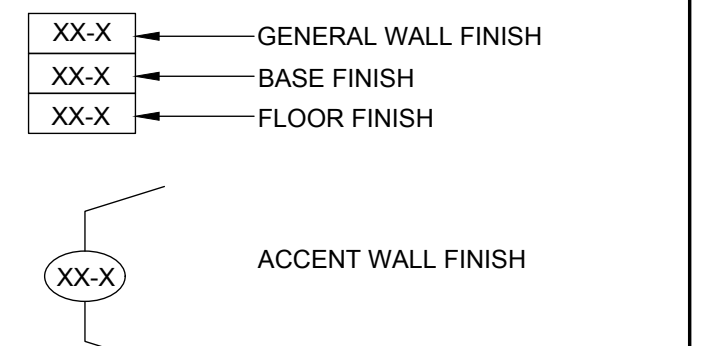
EXTERIOR SURFACES	INTERIOR SURFACES
STEEL - UNPRIMED	CONCRETE MASONRY
ONE COAT OF ALKYD PRIMER	ONE COAT OF LATEX BLOCK FILLER
TWO COATS OF ALKYD ENAMEL, SEMI-GLOSS	TWO COATS OF ACRYLIC LATEX, SATIN
STEEL - SHOP PRIMED	STEEL - UNPRIMED
TOUCH-UP WITH ZINC RICH PRIMER	ONE COAT OF ALKYD PRIMER
TWO COATS OF ALKYD ENAMEL, SEMI-GLOSS	TWO COATS OF LATEX ENAMEL, SATIN
STEEL - GALVANIZED	STEEL - PRIMED
ONE COAT OF GALVANIZED PRIMER	TOUCH-UP WITH ORIGINAL PRIMER
TWO COATS OF ALKYD ENAMEL, SEMI-GLOSS	TWO COATS OF LATEX ENAMEL, SATIN
WOOD	PLASTER, GYPSUM BOARD:
ONE COAT OF PRIMER	ONE COAT OF LATEX PRIMER SEALER
TWO FINISH COATS	TWO COATS OF LATEX EGGSHELL

GENERAL FINISH SCHEDULE NOTES

1. REFER TO SHEET A901 FOR FINISH SPECIFICATIONS. FINISH PLANS ONLY INDICATE WHERE ACCENT FLOOR AND WALL MATERIALS ARE LOCATED. REFER TO ROOM FINISH SCHEDULE FOR OVERALL FINISHES IN EACH ROOM.
2. ALL WALLS IN SCOPE OF WORK TO BE PAINTED (PNT-1) U.O.N.
3. ALL CEILINGS AND SOFFITS IN SCOPE OF WORK TO BE PAINTED (PNT-1) U.O.N.
4. ALL PAINT GRADE DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR (SEMI-GLOSS FINISH)
5. ALL APPLIED MATERIALS SHALL MEET FIRE FLAME CLASSIFICATION PER IBC 803.1.1 AS DETERMINED BY OCCUPANCY USE GROUP. REFER TO A901 FOR DETAIL.
6. DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY PERFORMANCE CRITERIA OF NFPA 101
7. ALL CARPET MATERIAL SHALL MEET DOC FF-1 "PILL TEST"
8. ALL FLOOR TILE MATERIAL SHALL BE PROVIDED WITH A MIN. DYNAMIC COEFFICIENT OF FRICTION (DCOF) VALUE OF 0.42.
9. CONTRACTOR SHALL INCLUDE IN ITS BID THREE (3) SEPARATE PAINT MOCKUPS (4 FT WIDE X 8 FT HIGH) SO THAT OWNER MAY MAKE FINAL PAINT FINISH SELECTIONS AT THE CARNEGIE WING. MOCKUP LOCATIONS WILL START AT FINISHED FLOOR AND EXTEND VERTICALLY 8 FT CAPTURING THE BASE, WAINSCOTING, CHAIRRAIL TRIM AND WALL SURFACE ABOVE WAINSCOTING.
10. ALL EXTERIOR WINDOWS IN SCOPE OF WORK TO RECEIVE NEW WINDOW SHADES WITH METAL FASCIA COVER (WT-1) U.O.N.
11. FINISHES IN STAIRCASES 1, 2, AND 3 TO REMAIN UNLESS DISTURBED, DAMAGED DURING CONSTRUCTION. IF DAMAGED, WALL TO BE PAINTED (PNT-2), ALL METAL PORTIONS OF STAIRCASE INCLUDING RAILINGS TO BE PAINTED (PNT-2) AND STAIR TREADS, RISERS AND LANDINGS TO BE (RB-1)
12. STAIR 4: EXISTING STAIRS ARE WOOD WITH SELF-ADHERING TREAD CARPETING. ONCE CONSTRUCTION IS COMPLETE, REMOVE AND REPLACE SELF-ADHERING TREAD CARPETING AND PATCH/REPAIR OF STAIR 4 WALLS - PAINT (PNT-1)
13. NORTH LOBBY FLOORING, STAIRS AND LANDING TO RECEIVE RUBBER TREADS. OPT-2 WILL BE INSTALLED AT THE LOWER LEVEL THE TRANSITION FROM RB-1 TO OPT-1 WILL OCCUR AT THE INTERIOR DOUBLE DOOR LEADING TO THE CARNEGIE WING.

FINISH MATERIAL LEGEND

MATERIAL TYPE	ABBREVIATION
FLOORING:	
LUXURY VINYL TILE	LVT
VINYL COMPOSITION TILE	VCT
BASE:	
VINYL BASE	VB
WALL:	
PAINT	PNT
WALL COVERING	WC
CERAMIC TILE	CT
CEILING:	
ACOUSTICAL CEILING TILE	ACT
MISC.:	
ACOUSTICAL WALL TILE	AWT



FINISH SPECIFICATIONS

PAINTS

(PNT-1) GENERAL WALL PAINT
MANUFACTURER: BENJAMIN MOORE
COLOR: CHANTILLY LACE 2121-70
FINISH: EGGSHELL

(PNT-2) ACCENT WALL PAINT
MANUFACTURER: BENJAMIN MOORE
COLOR: BALTIC SEA
FINISH: EGGSHELL

(PNT-3) HOLLOW METAL FRAMES
MANUFACTURER: BENJAMIN MOORE
COLOR: ABALONE 2108-60
FINISH: SEMI-GLOSS

WALLCOVERING (WC-1)
MANUFACTURER: SURFACE MATERIALS - LEVELS
DESIGN #: LEVEL DIGITAL WALLCOVERING
COLOR/STYLE: I2503LV AURORA STRIPE STORM

CERAMIC TILE (CT-1)
MANUFACTURER: GARDEN STATE TILE
COLLECTION: OUTFIT HEXAGON
COLOR: BRIGHT WHITE
SIZE: 6"X7" (HEXAGON SHAPE)

INSTALL:
2/3 OF TILE IN DESIGNATED INSTALLATION AREA TO BE CT-1, REMAINING 1/3 OF TILE TO BE CT-2 - SEE ELEVATION FOR INSTALLATION PATTERN.

CERAMIC TILE (CT-2)
MANUFACTURER: GARDEN STATE TILE
COLLECTION: OUTFIT HEXAGON
COLOR: SCARLET
SIZE: 6"X7" (HEXAGON SHAPE)

INSTALL:
2/3 OF TILE IN DESIGNATED INSTALLATION AREA TO BE CT-1, REMAINING 1/3 OF TILE TO BE CT-2 - SEE ELEVATION FOR INSTALLATION PATTERN.

VINYL COMPOSITION TILE (VCT-1)
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES
COLOR: TO MATCH BUILDING STANDARD
SIZE: 12"X12"

LUXURY VINYL TILE (LVT-1)
MANUFACTURER: SHAW CONTRACT
STYLE: REFRAAME 4004V
COLOR: PERCEPTION 04155
SIZE: 9" X 36" PLANK
INSTALL: PARQUET PATTERN

VINYL BASE (VB-1)
MANUFACTURER: JOHNSONITE
STYLE: TIGHTLOCK
COLOR: DOVER

PLASTIC LAMINATE (PL-1)
MANUFACTURER: WILSONART
COLOR/STYLE: BEIGEWOOD

PLASTIC LAMINATE (PL-2)
MANUFACTURER: WILSONART
COLOR/STYLE: NORTH SEA

PLASTIC LAMINATE (PL-3)
MANUFACTURER: WILSONART
COLOR/STYLE: EBONY CHAR

SOLID SURFACE (SS-1)
MANUFACTURER: WILSONART
COLOR/STYLE: GREY BEOLA
SIZE:

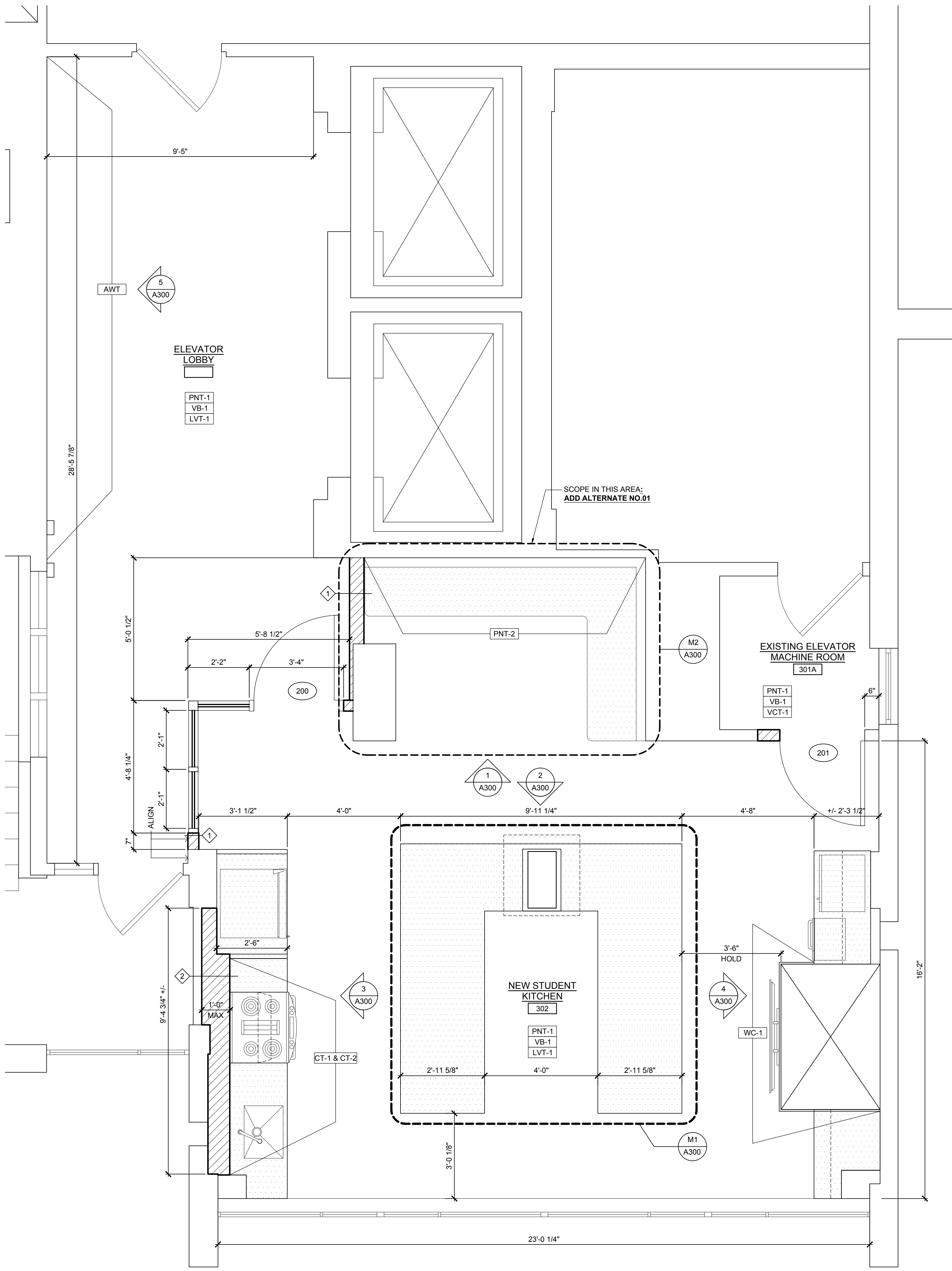
ACOUSTICAL WALL TILE
MANUFACTURER: CARNEGIE
PRODUCT: XOREL ARTFORM
SHAPE: HEX
SIZE: (LARGE) 20" 3/4 X 24"
SUBSTRATE: QUIET CORE (NON-TACKABLE)
APPLICATION: WALL MOUNTED

COLORS: EQUAL AMOUNT OF EACH*
(AWT-1) - 2004
(AWT-2) - 2001
(AWT-3) - 757
(AWT-4) - 2040

ACOUSTICAL CEILING TILE (ACT-1)
MANUF: ARMSTRONGS WORLD INDUSTRIES
STYLE: ULTIMA BEVELED REGULAR
ITEM NO.: #1911 HRC
SIZE: 24" X 24" X 7/8"
GRID: PRELUDE XL 15116"
GRID COLOR: WHITE (WH)

FABRIC UPHOLSTERY (UP-1)
MANUF.: DESIGNTX
STYLE: MONTREAL CRYPTON
COLOR: MARGOLD
WIDTH/WEIGHT: 52" / 22 OZ.

MILLWORK REVEAL (MR-1)
MANUF.: FRY REGLET
PRODUCT: MILLWORK REVEAL
MODEL #: MWR7550
COLOR: CLEAR ANODIZED



1 New Work Plan

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

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
302	NEW STUDENT KITCHEN	LVT-1	VB-1	PNT-1, PNT-2, CT-1/2, WC-1	ACT-1, GYP-1	
301A	EXISTING ELEVATOR MACHINE ROOM	VCT-1	VB-1	PNT-1	ACT-1	
	ELEVATOR LOBBY	LVT-1	VB-1	PNT-1, AWT-1/2/3/4	ACT-1, ETR	

No.	Date	Description
12.05.23		RESPONSE TO FM COMMENTS
10.09.23		FOR PERMIT & CONSTRUCTION
06.15.23		FOR PERMIT & CONSTRUCTION

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Client:
Montclair State University
1 Normal Avenue
Montclair, NJ 07043

Project:
Bohn Hall - 3rd Floor
Community Kitchen Renovation
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 07/24/2023
Drawn By: SBT
Checked By: JMB

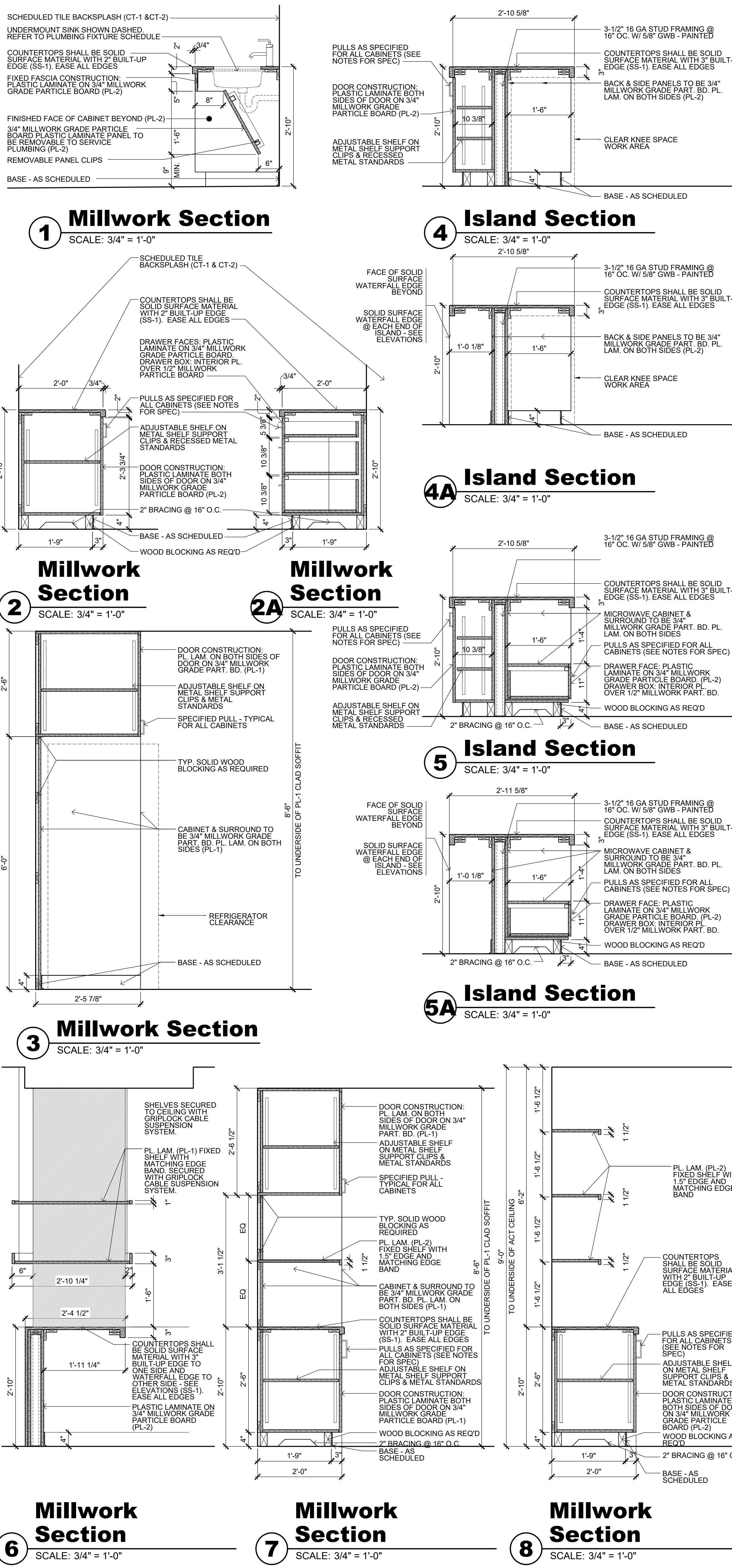
Sheet Name:
New Work Floor Plan, Construction Notes, Finish Specifications & Schedule

Sheet No:
A-100
Sheet 0 of 000

MILLWORK CONSTRUCTION NOTES

- 1. EXPOSED SURFACES ON ALL MILLWORK TO BE HIGH PRESSURE PLASTIC LAMINATE... ARCHITECT TO SELECT COLORS...
2. ALL DIMENSIONS ARE TO BE VERIFIED IN FIELD (V.I.F.) PRIOR TO FABRICATION...
3. ALL SINKS LOCATED ON THIS DRAWING SHALL BE SUPPLIED AND INSTALLED BY THE PLUMBING CONTRACTOR...
4. WHERE MILLWORK IS SET WITHIN A ROUGH OPENING, CONTRACTOR MUST PROVIDE FINISH TRIM OR SCRIBE CLOSURE PIECES AS REQUIRED...
5. ALL CABINET DOORS AND DRAWERS TO BE PROVIDED AND INSTALLED WITH LOCKS...
6. GENERAL CONTRACTOR TO COORDINATE WITH MILLWORKER AND ELECTRICAL CONTRACTOR LOCATIONS OF ANY ELECTRICAL RECEPTACLES...
7. ALL MILLWORK SHALL BE MANUFACTURED AS PER AIA ARCHITECTURAL WOODWORK STANDARDS...
8. 3MM PVC EDGE BANDING TO BE APPLIED TO ALL EXPOSED EDGES UNLESS OTHERWISE NOTED...
9. REFER TO ELEVATIONS FOR FINISH TYPE UNLESS OTHERWISE NOTED...
10. REFER TO TECHNICAL SPECIFICATIONS BOOK FOR ADDITIONAL PRODUCT INFORMATION...
11. FURNISH AND INSTALL PLASTIC LAMINATE FACED FINISHED END PANELS...
12. THE FOLLOWING SUBMITTALS SHALL BE MADE BY THE MILLWORKER...
13. SAMPLES FOR VERIFICATION PURPOSES OF THE FOLLOWING:
13.1. LAMINATE CLAD PANEL PRODUCTS...
13.2. SOLID SURFACE MATERIALS...
13.3. CABINET HARDWARE...

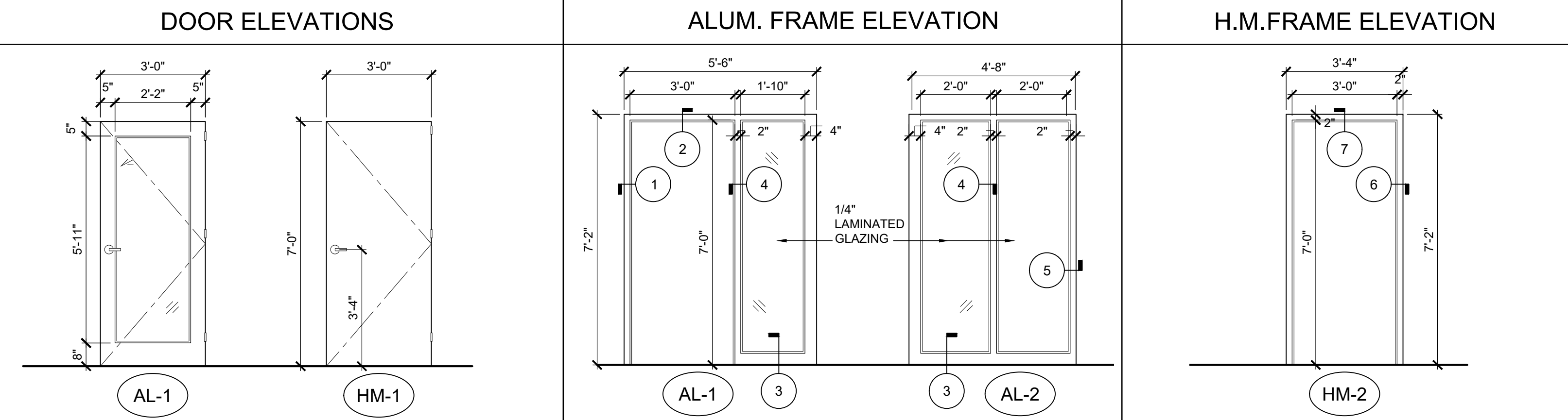
MILLWORK SECTION DETAILS



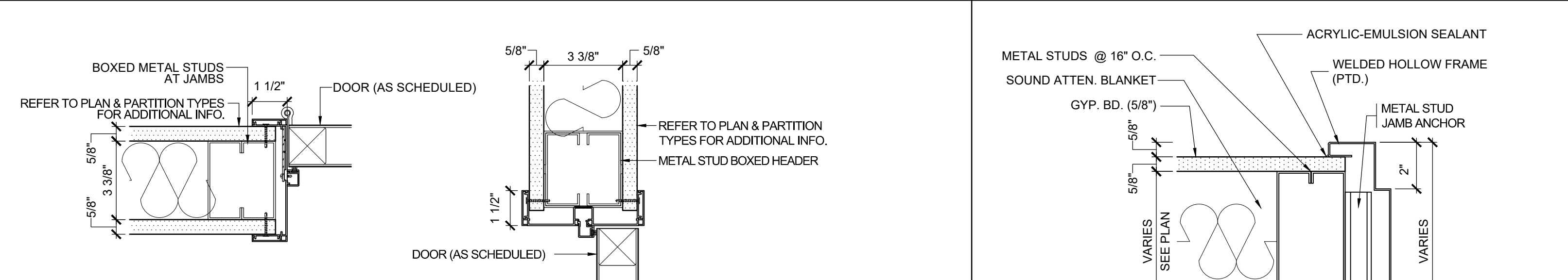
DOOR & FRAME SCHEDULE

Table with columns: DOOR NUMBER, ROOM NAME, ROOM NUMBER, DOOR TYPE, DOOR MATL, FIRE RATTG, DOOR WIDTH, DOOR HEIGHT, FRAME TYPE, HDWR SET, REMARKS. Rows include NEW STUDENT KITCHEN and EXISTING ELEVATOR MACHINE ROOM.

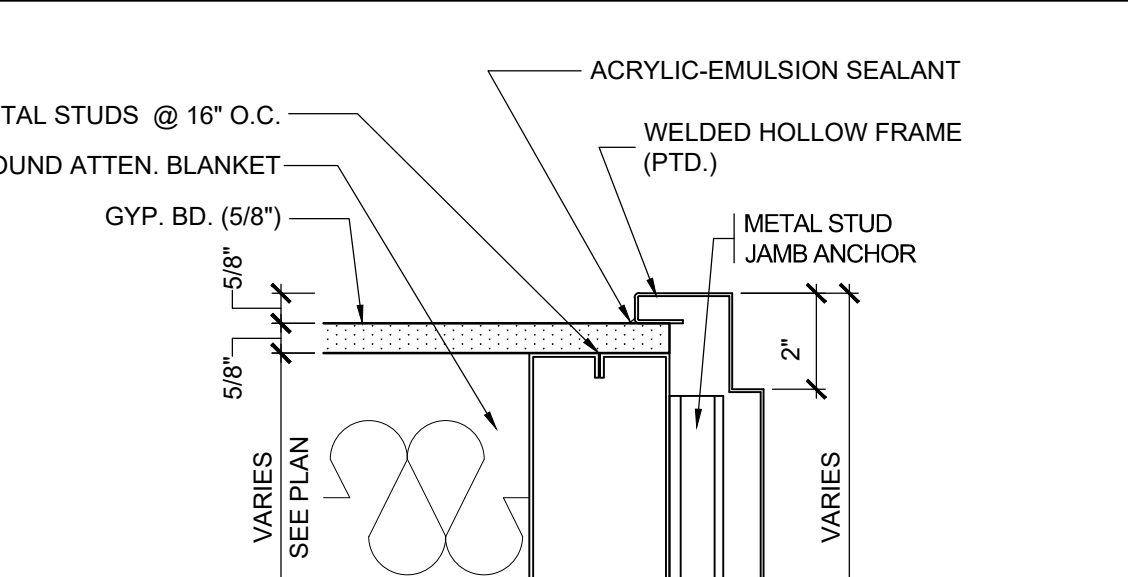
- GENERAL NOTES FOR DOORS AND FRAMES
1. REFER TO FLOOR PLANS FOR PROPER ORIENTATION AND HANDING OF ALL FRAME SYSTEMS AND DOORS...
2. ALL ROUGH-IN DIMENSIONS ARE TO BE VERIFIED IN FIELD (V.I.F.) PRIOR TO FABRICATION...
3. INSTALL DOORS IN PREPARED OPENINGS, PLUMB AND TRUE...
4. SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW...
5. PROVIDE SAMPLES FOR VERIFICATION AS INDICATED...



ALUMINUM FRAME DETAILS



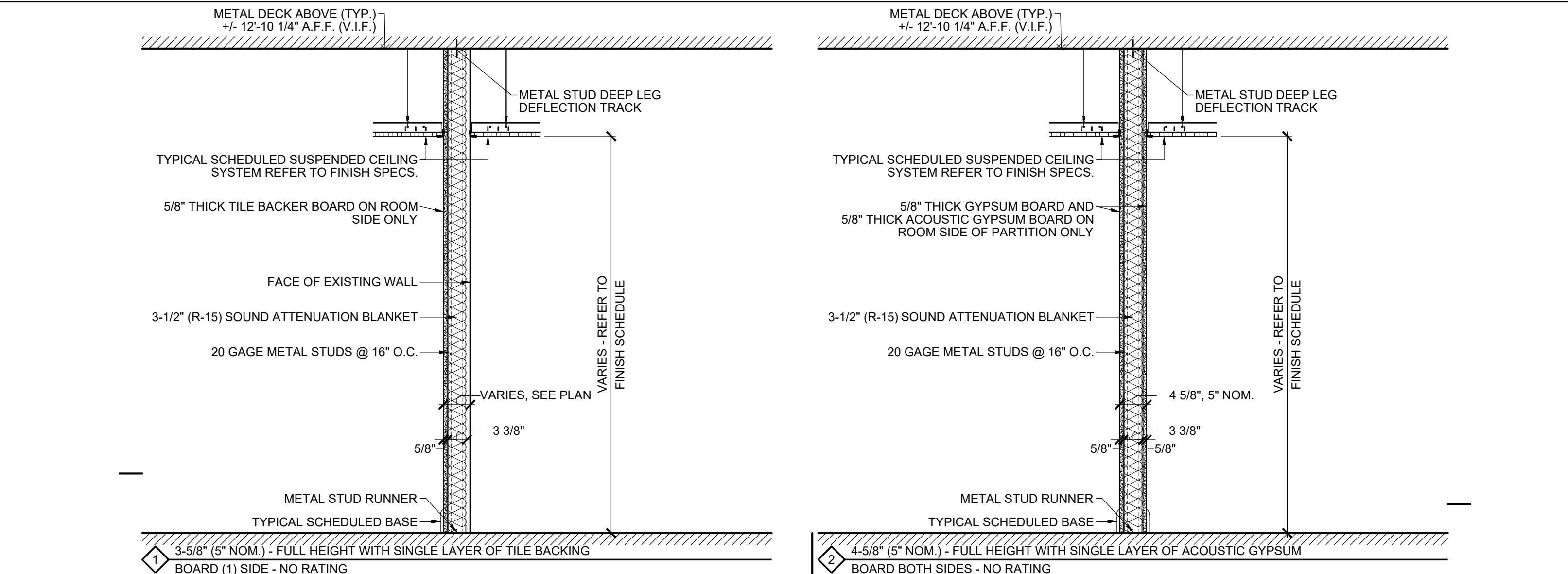
HOLLOW METAL METAL FRAME DETAILS



HARDWARE & ACCESSORIES

- 1. FULLY CONCEALED EUROPEAN SELF-CLOSING HINGE...
2. CATCHES: MAGNETIC CATCHES...
3. ADJUSTABLE SHELF STANDARDS AND SUPPORTS...
4. DRAWER SLIDES: SIDE-MOUNTED, FULL-EXTENSION...
5. DOOR LOCKS...
6. DRAWER LOCKS...
7. CABINET DOOR & DRAWER PULLS SHALL BE OF THE FOLLOWING AS INDICATED...
8. MILLWORK SHELF CABLE SUSPENSION SYSTEM...
10. SHELF WALL BRACKETS SHALL BE SIZED ACCORDINGLY...
11. EXPOSED HARDWARE FINISHES NOT ALREADY SPECIFIED...

PARTITION TYPES AND DETAILS



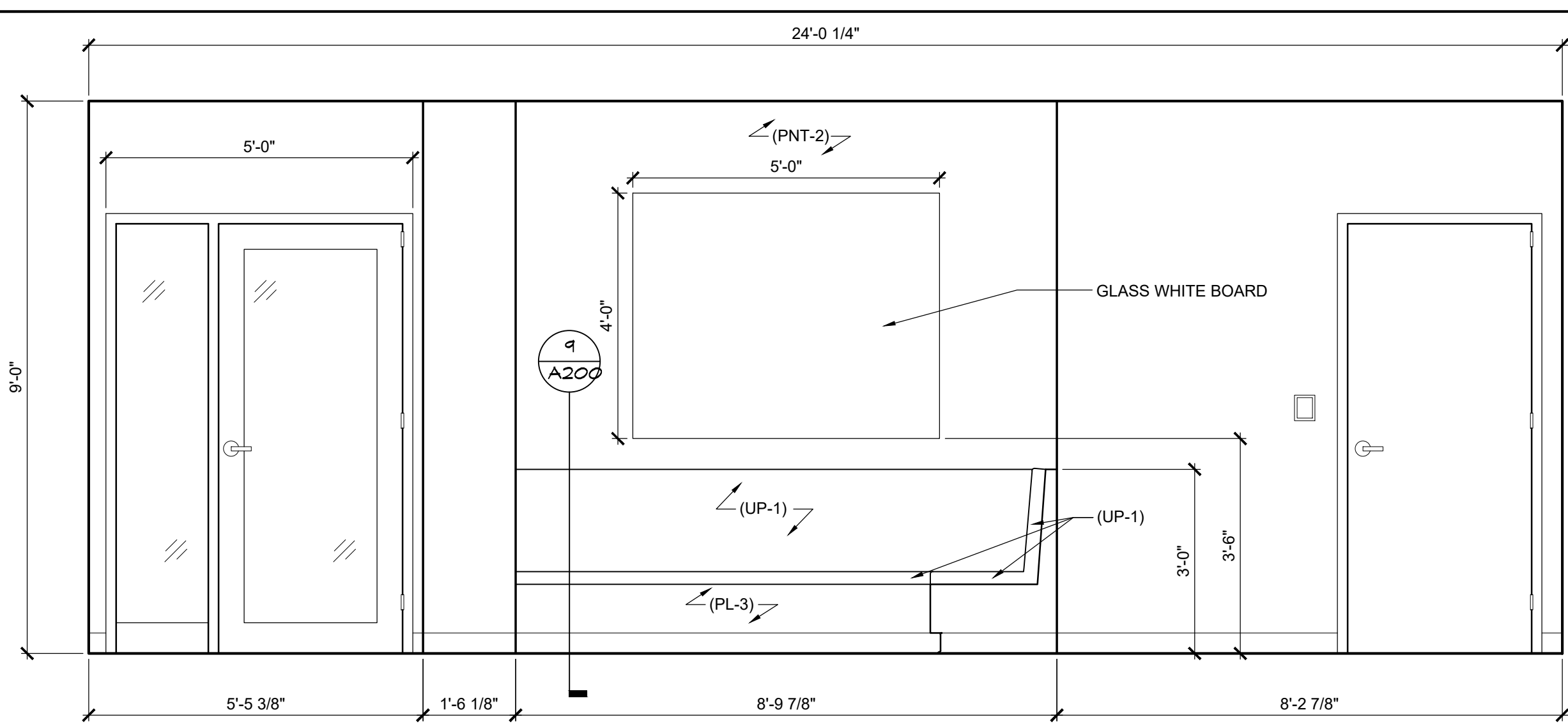
Revision table with columns: No., Date, Description. Lists revisions for response to FM comments and permit construction.

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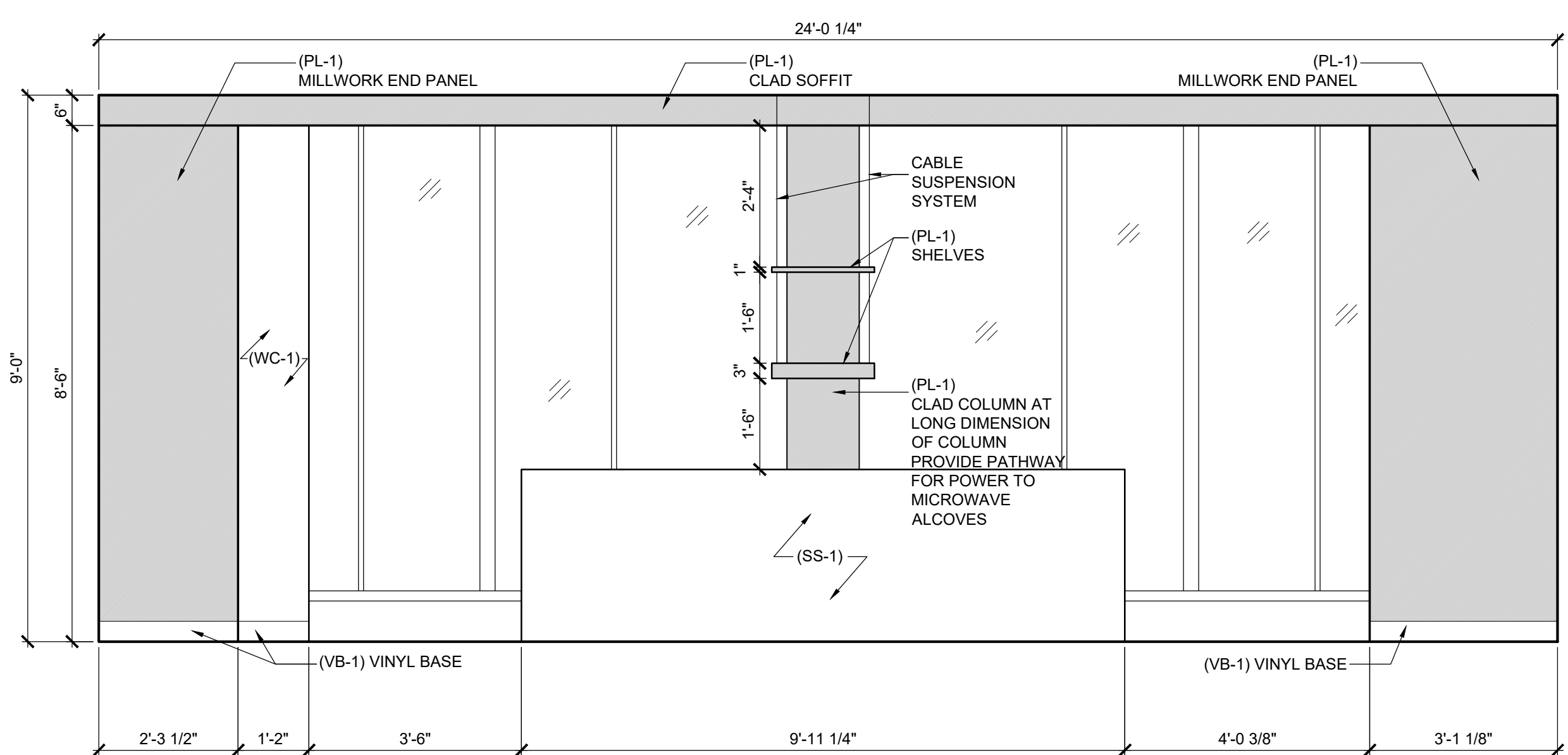
DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.
Client: Montclair State University

Project: Bohn Hall - 3rd Floor Community Kitchen Renovation
Drawing Information: Project No: 23.033, Date: 07/24/2023

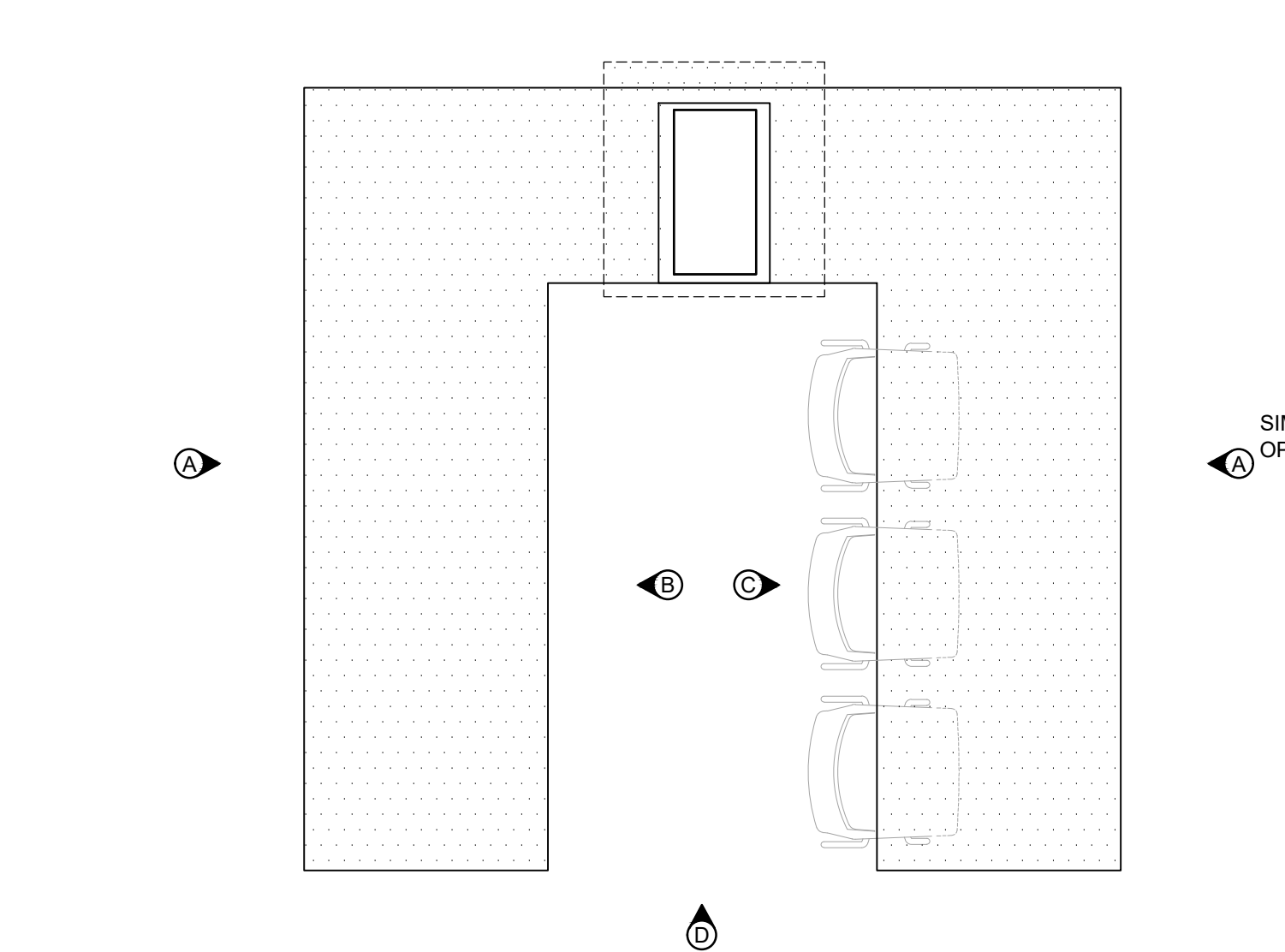
Door & Frame Schedules, Details and Partition Types



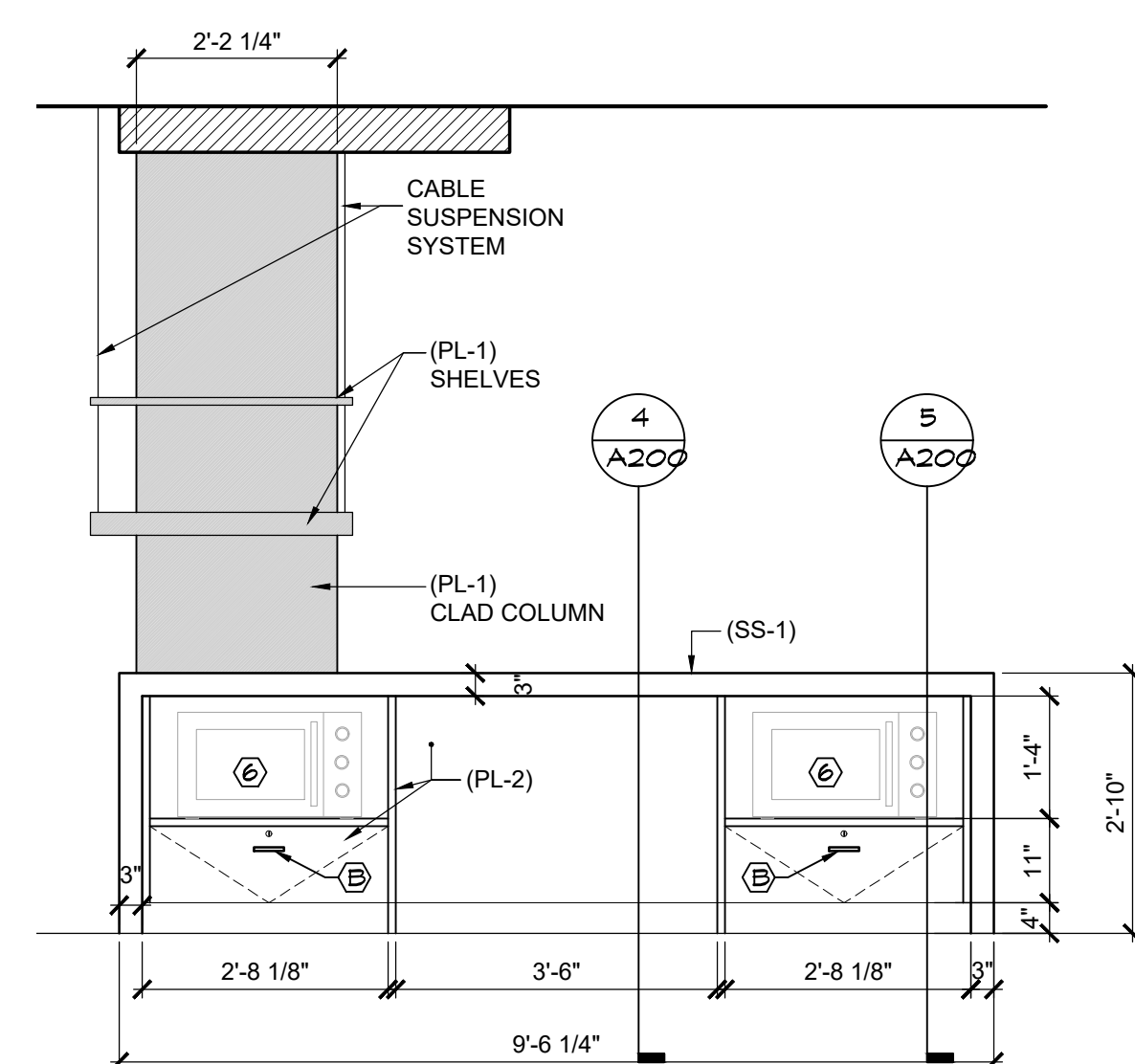
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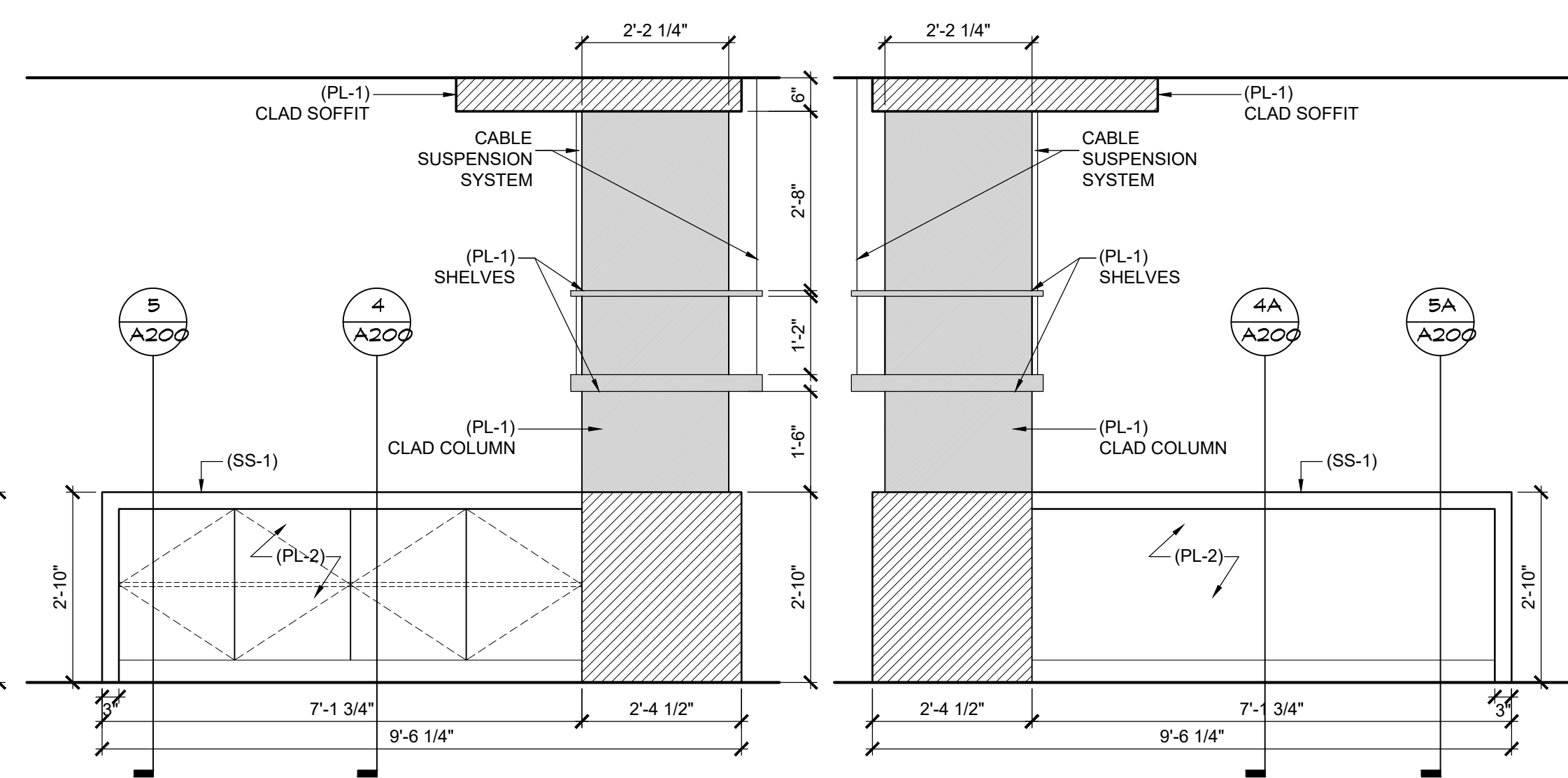
2 Interior Elevation
SCALE: 1/2" = 1'-0"



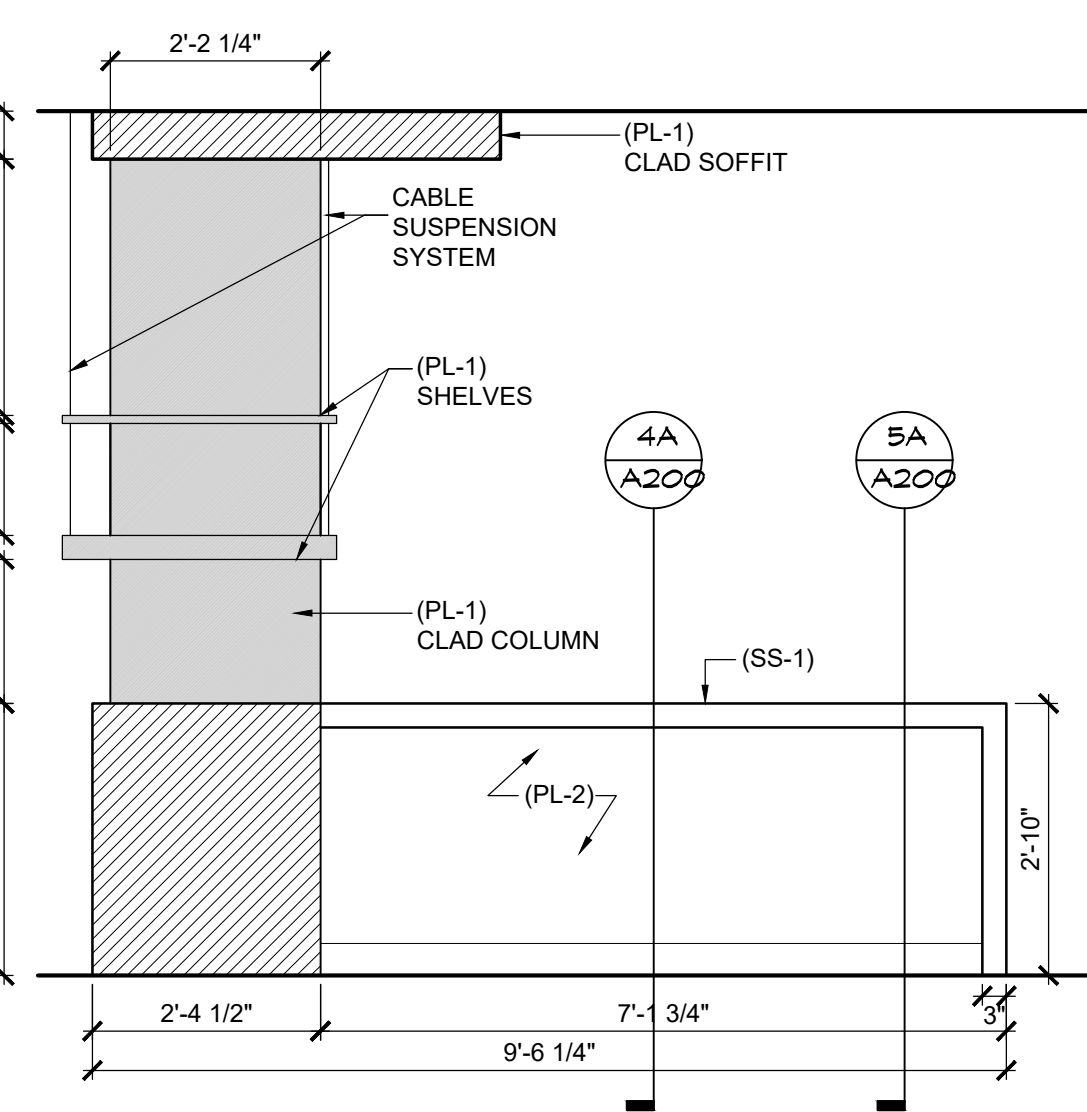
M1 Plan
SCALE: 1/2" = 1'-0"



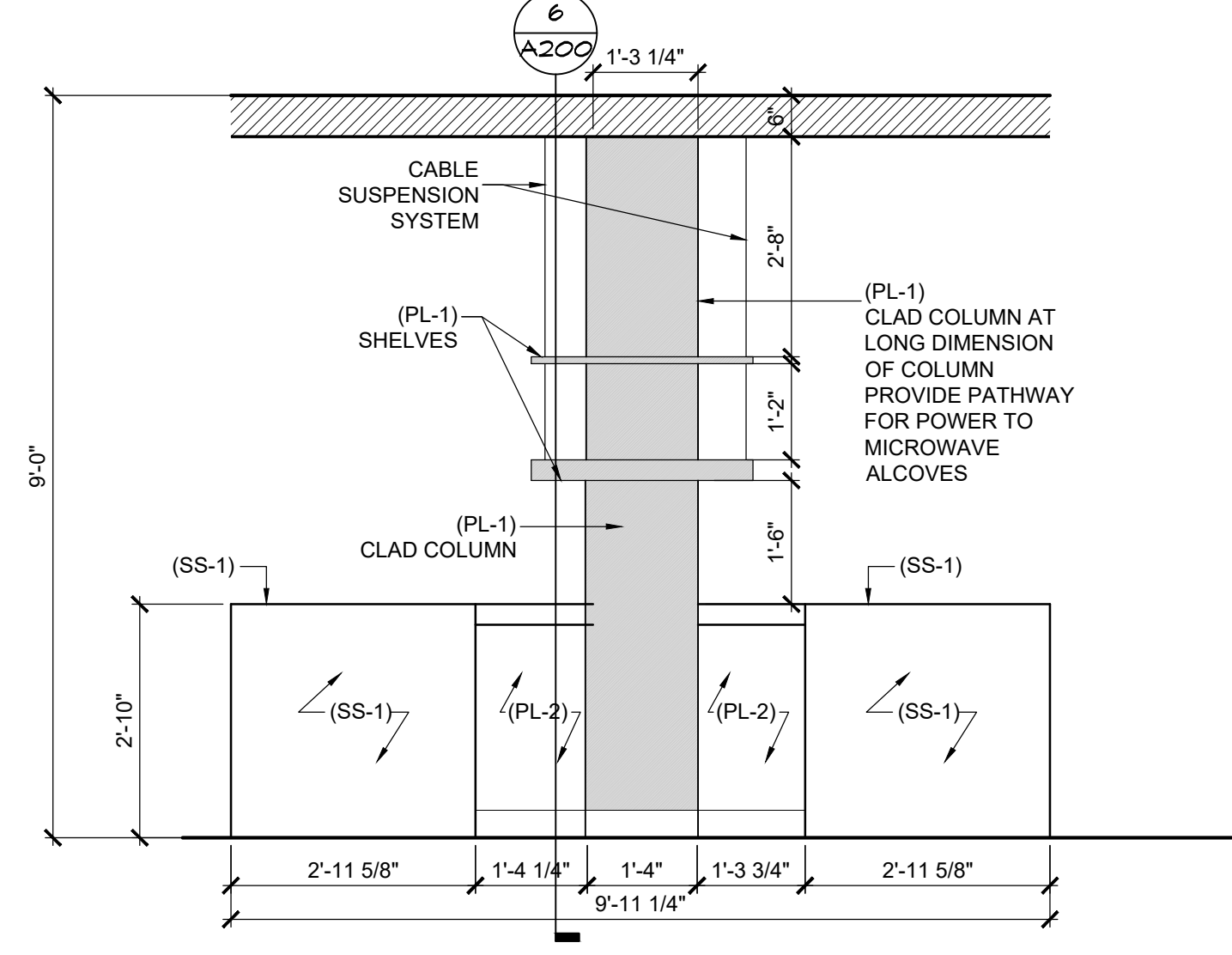
A Elevation
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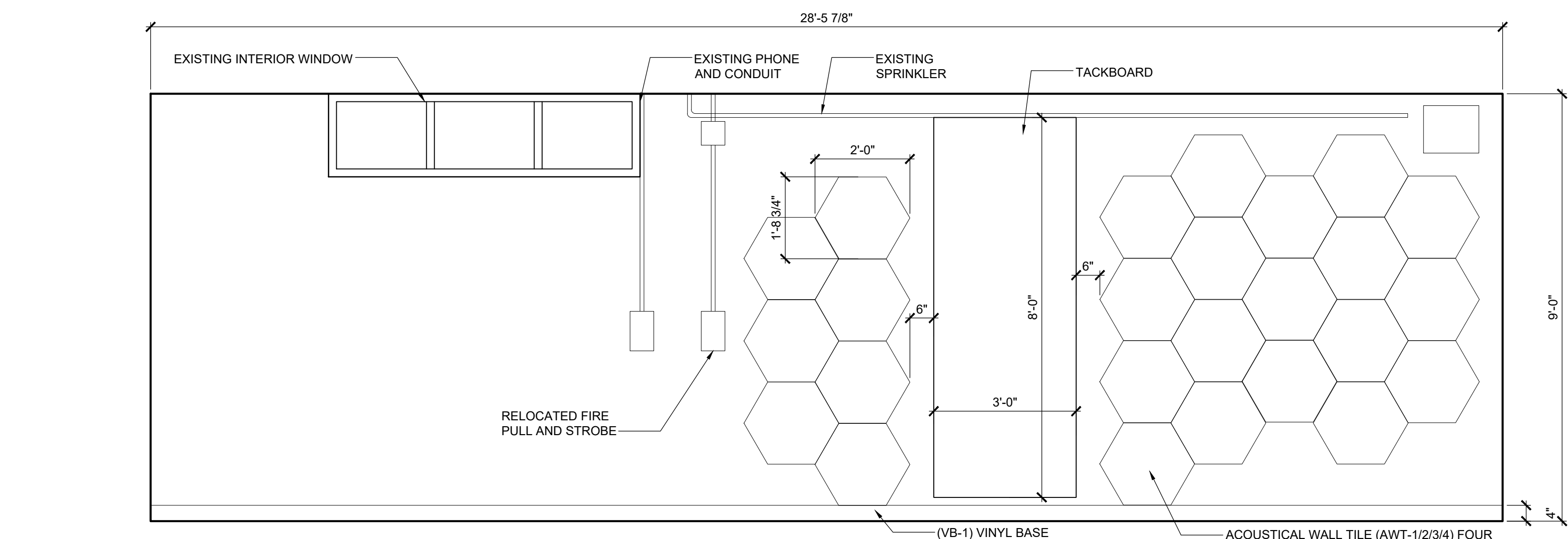
B Elevation
SCALE: 1/2" = 1'-0"



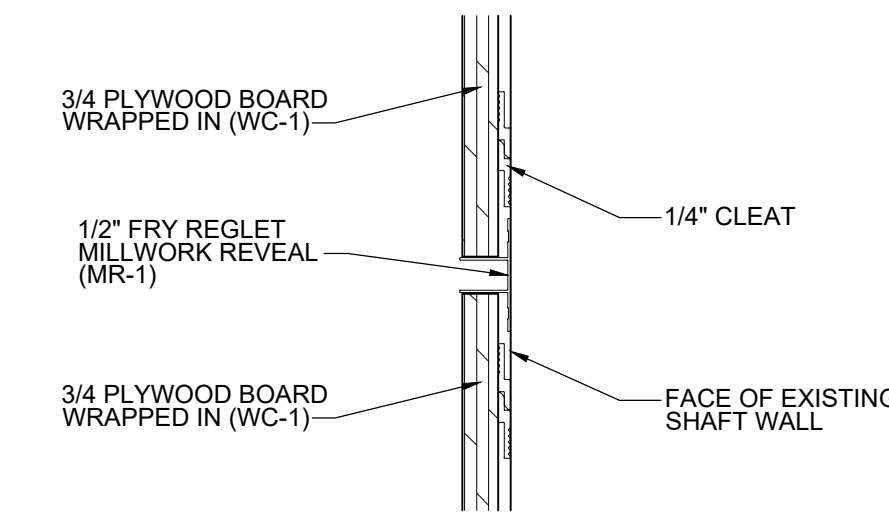
C Elevation
SCALE: 1/2" = 1'-0"



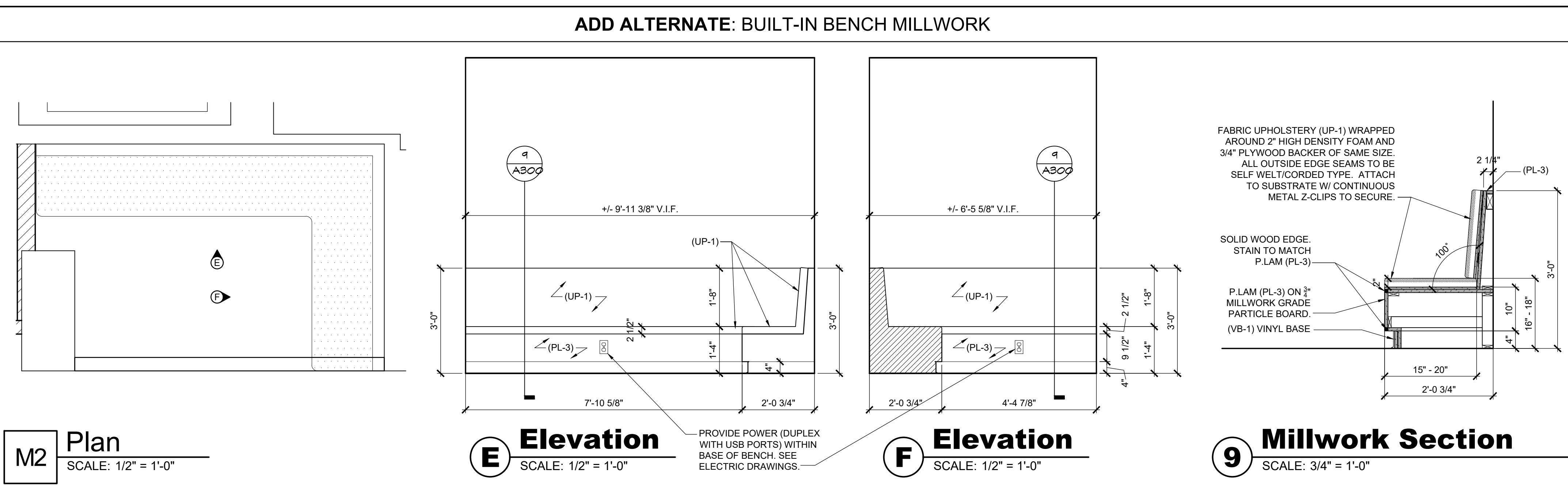
D Elevation
SCALE: 1/2" = 1'-0"



5 Interior Elevation - Elevator Lobby
SCALE: 1/2" = 1'-0"



6 Millwork Section
SCALE: 3" = 1'-0"

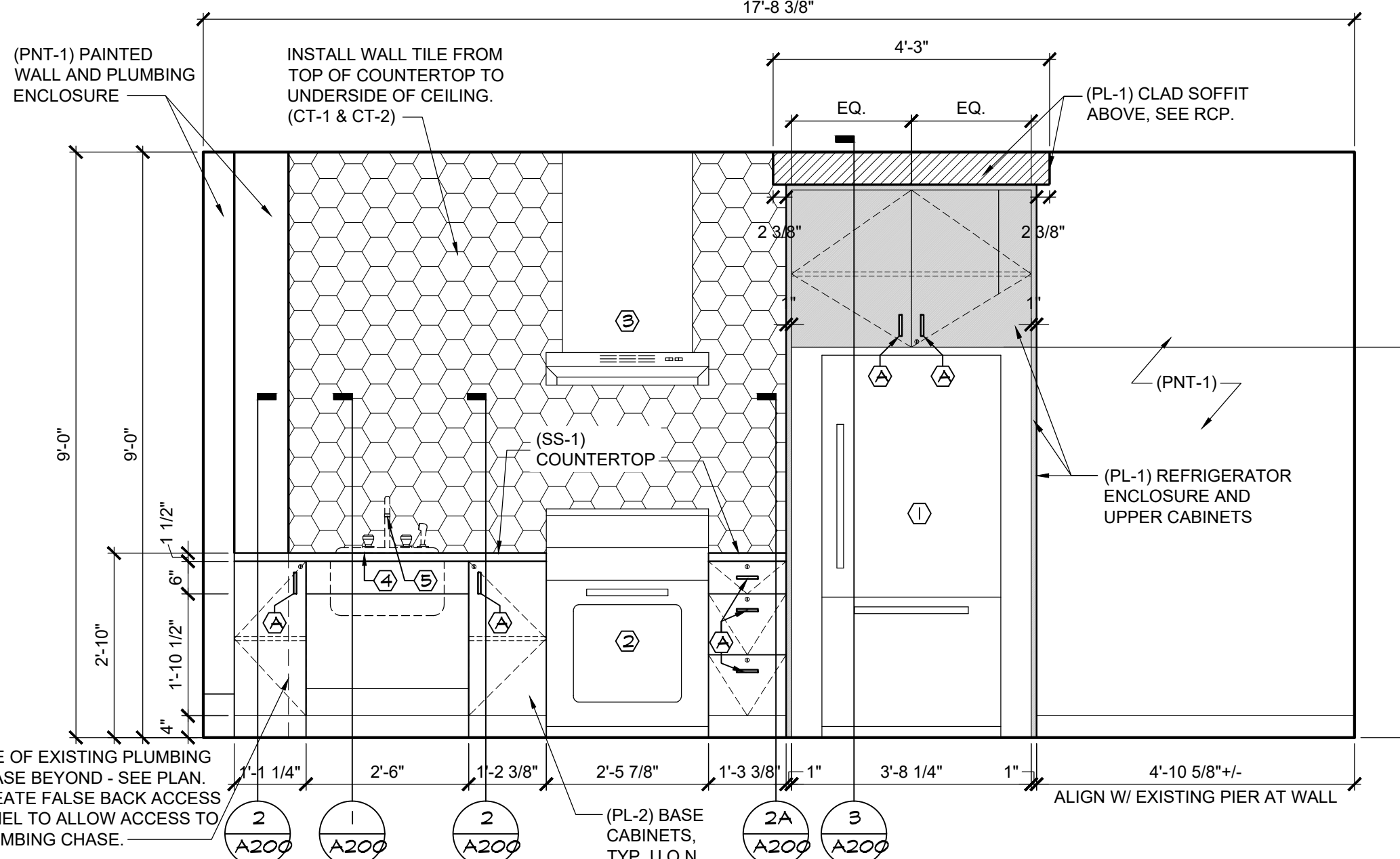


M2 Plan
SCALE: 1/2" = 1'-0"

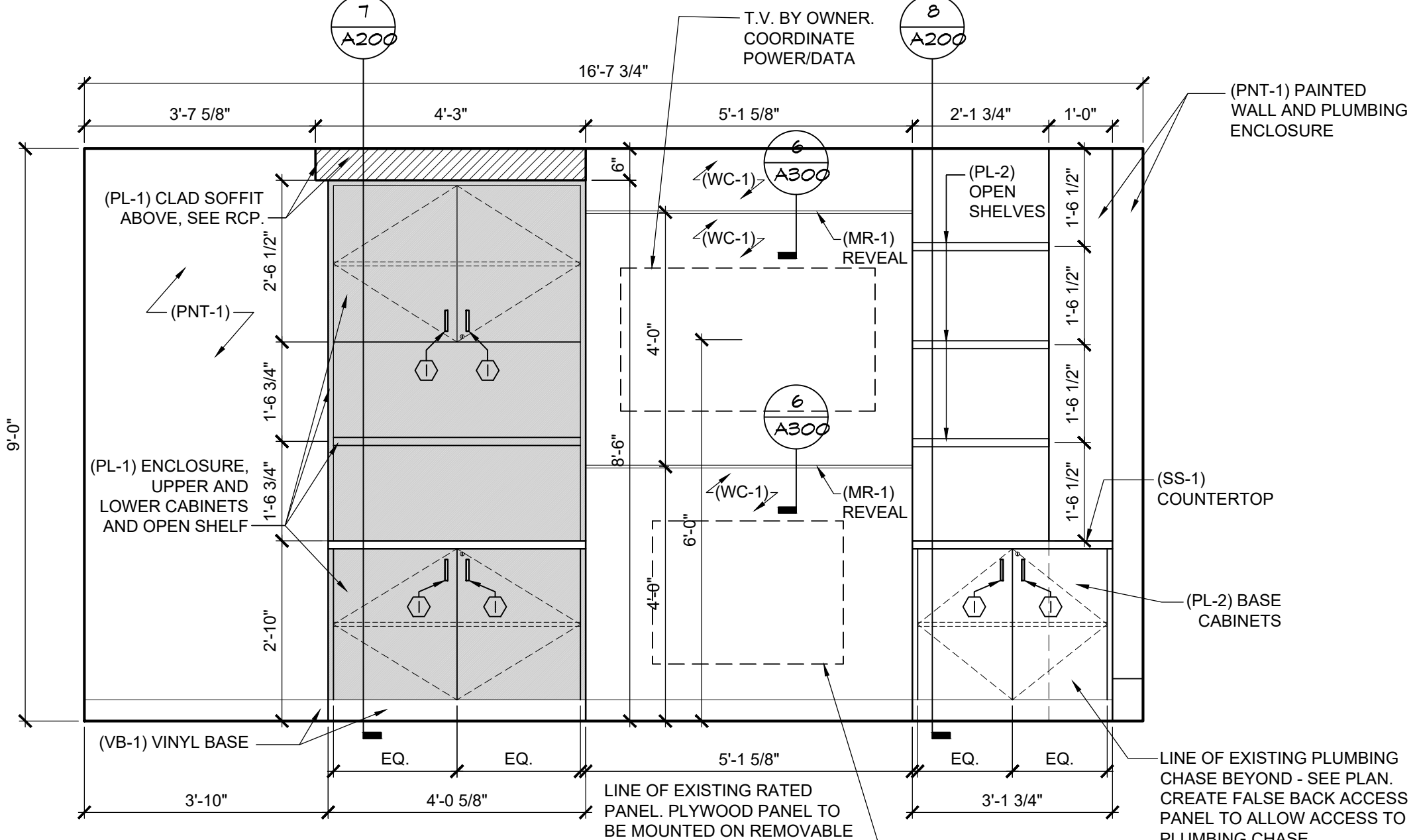
E Elevation
SCALE: 1/2" = 1'-0"

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

9 Millwork Section
SCALE: 3/4" = 1'-0"



3 Interior Elevation
SCALE: 1/2" = 1'-0"



4 Interior Elevation
SCALE: 1/2" = 1'-0"

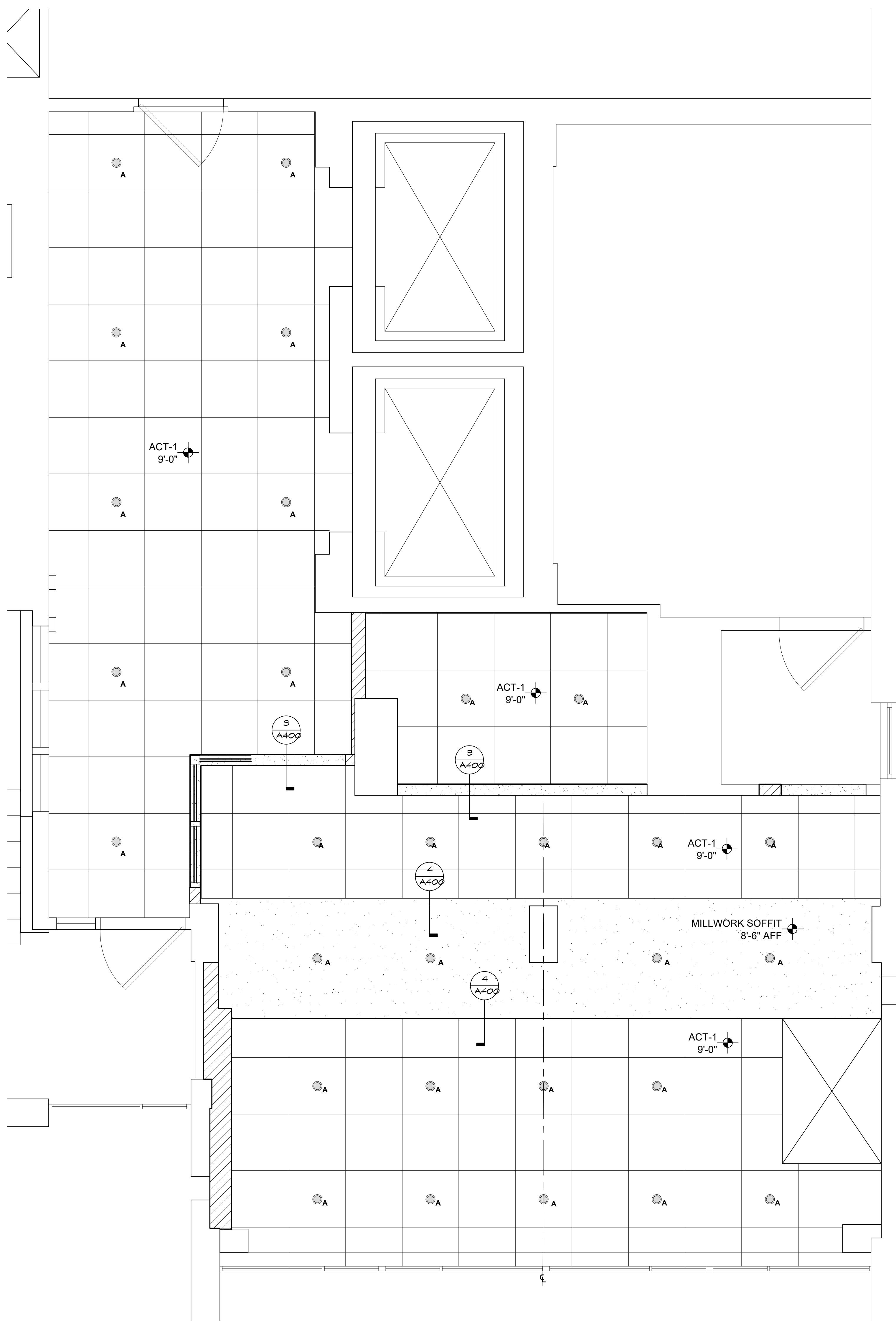
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09.15.23		PERMIT & CONSTRUCTION

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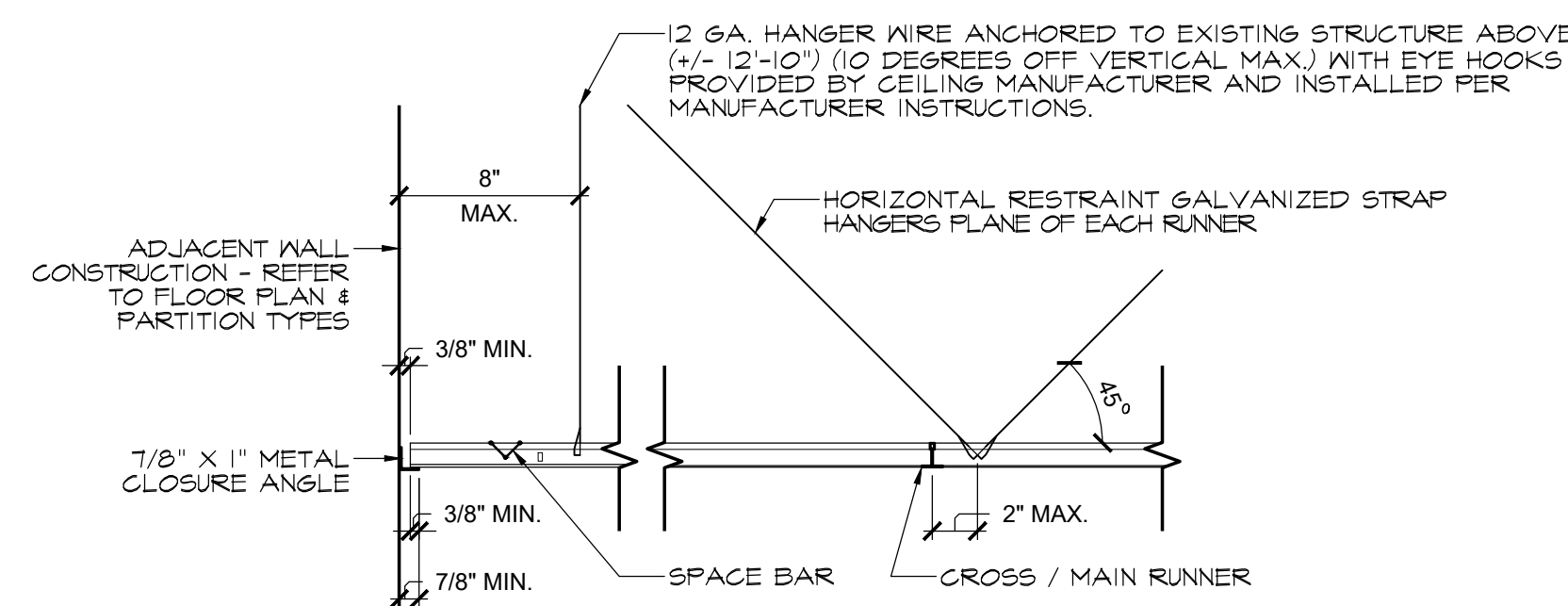
Client:
Montclair State University
1 Normal Avenue
Montclair, NJ 07043

Project:
**Bohn Hall - 3rd Floor
Community Kitchen Renovation**
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006
Drawing Information:
Project No: 23.033
Date: 07/24/2023
Drawn By: DC
Checked By: CHK
Sheet Name:
Interior and Millwork Elevations
Sheet No:

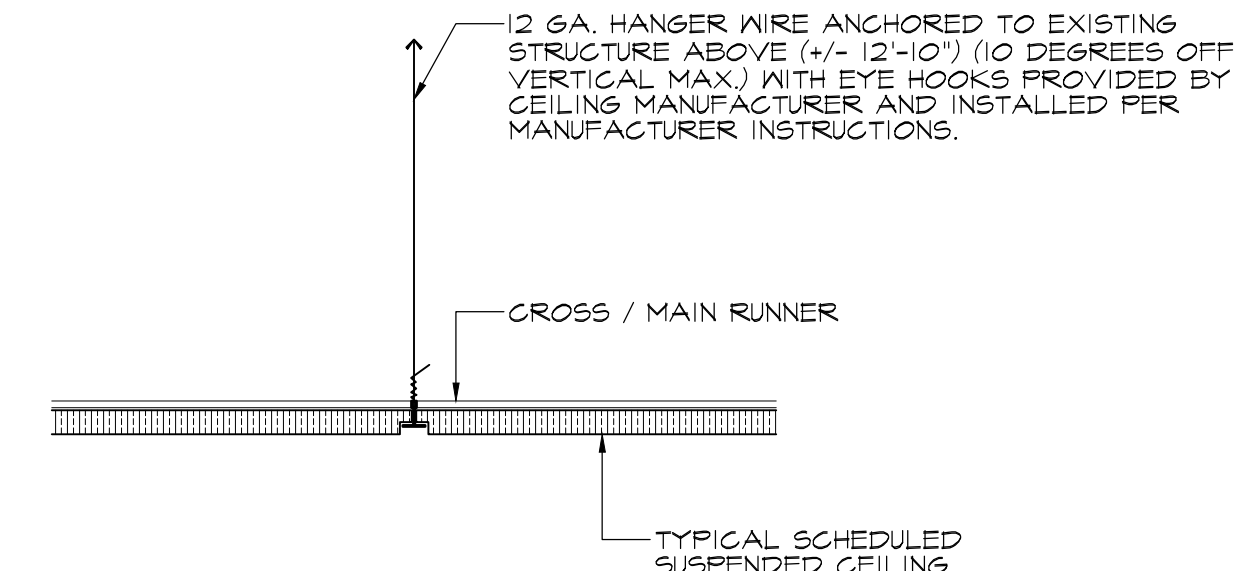
TAG	EQUIPMENT	MANUFACTURER	MODEL NUMBER	REMARKS
(1)	REFRIGERATOR	GENERAL ELECTRIC	GDE25EYK - SS FINGERPRINT RESISTANT	PROVIDED BY CONTRACTOR
(2)	COOKTOP/RANGE	GENERAL ELECTRIC	PHS930/YP INDUCTION COOKTOP W RANGE	PROVIDED BY CONTRACTOR
(3)	HOOD	DENLAR	D1000 (REFER TO MEP FOR DETAILS)	PROVIDED BY CONTRACTOR
(4)	SINK			PROVIDED BY CONTRACTOR
(5)	FAUCET			PROVIDED BY CONTRACTOR
(6)	MICROWAVE			PROVIDED BY OWNER



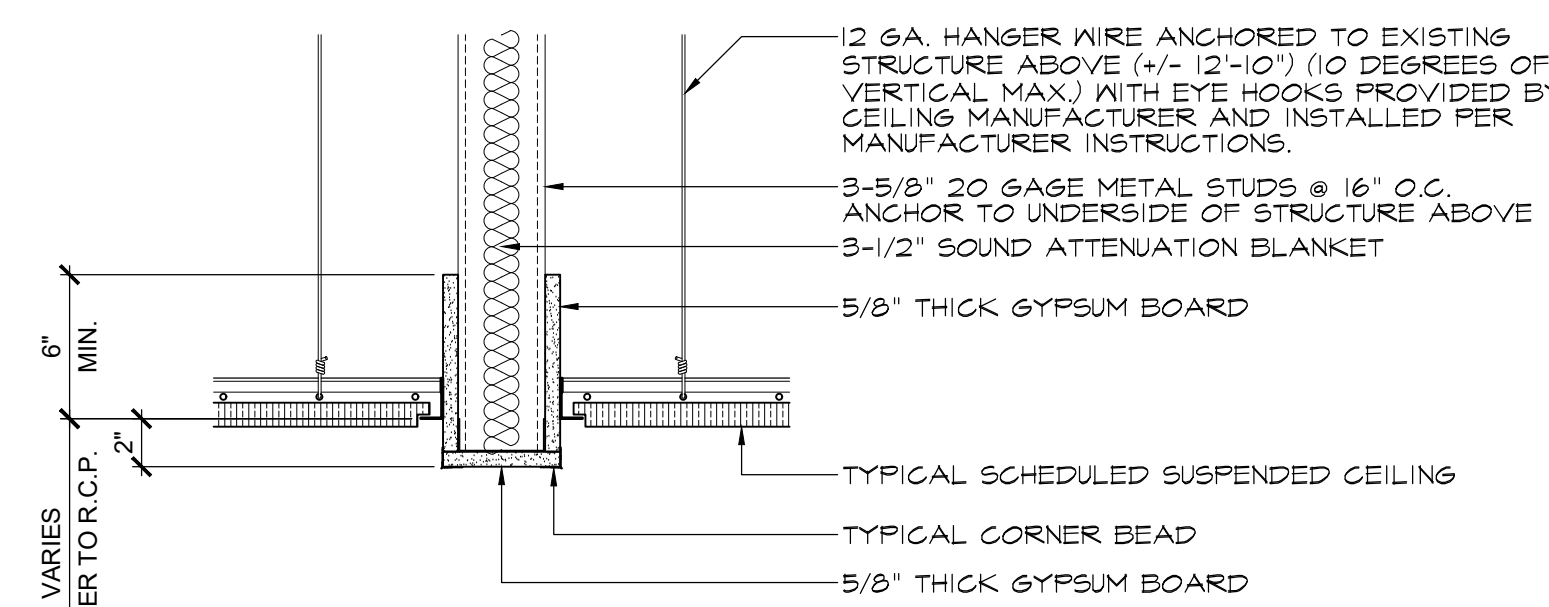
1 Reflected Ceiling Plan
SCALE: 1/2" = 1'-0"



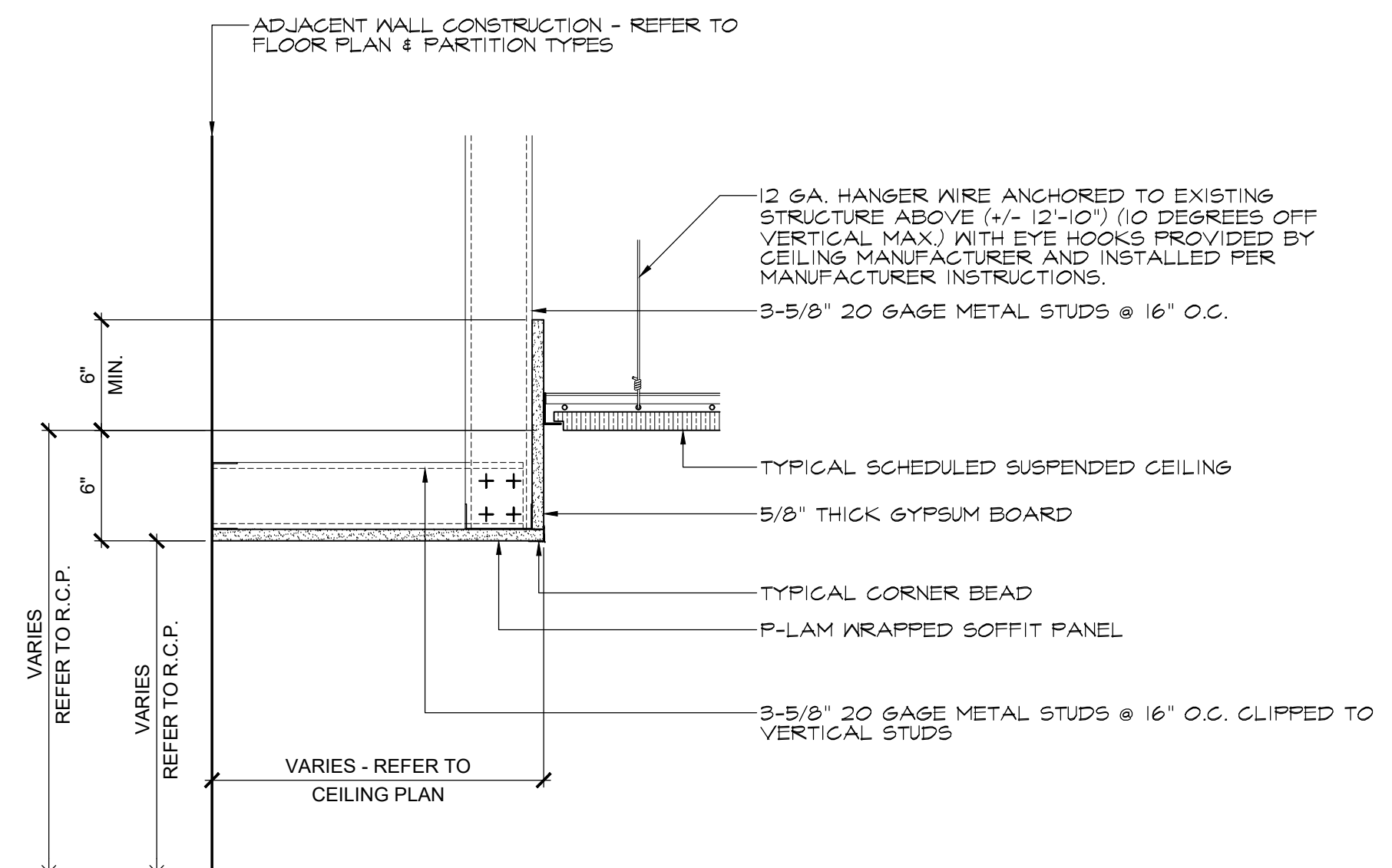
1 Typical Suspended Ceiling Detail
SCALE: 1-1/2" = 1'-0" TYPICAL DETAIL THROUGHOUT



2 Typical Suspended Ceiling Detail
SCALE: 1-1/2" = 1'-0" TYPICAL DETAIL THROUGHOUT



3 Large Scale Ceiling Transition Detail
SCALE: 1-1/2" = 1'-0"



4 Large Scale Ceiling Transition Detail
SCALE: 1-1/2" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

- WHERE EXISTING CEILING ARE INDICATED TO REMAIN, PATCH CEILING AS REQUIRED FOR INSTALLATION OF NEW LIGHT FIXTURES AND CEILING DEVICES.
- CONTRACTOR SHALL COORDINATE CEILING HEIGHTS WITH ALL STRUCTURE, MEP SYSTEMS, AND DEVICES ABOVE CEILING. CONTRACTOR SHALL REVIEW COORDINATED CEILING HEIGHTS WITH ARCHITECT IN FIELD PRIOR TO INSTALLATION OF CEILING.

LIGHT FIXTURE LEGEND

TYPE	SYMBOL	DESCRIPTION	MOUNTING	ADDITIONAL REMARKS
A	●	4" CIRCULAR LED DOWNLIGHT	RECESSED	
X	⊗	EDGE LIT LED EXIT SIGN (WITH DIRECTIONAL ARROW IF APPLICABLE)	CEILING	CONTRACTOR TO COORDINATE FINAL LOCATIONS AND ARROWS

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS, POWER REQUIREMENTS, EMERGENCY POWER FIXTURE LOCATIONS AND EXIT SIGN LOCATIONS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPER ORIENTATION OF LIGHT FIXTURES

REFLECTED CEILING PLAN LEGEND

- NEW SUSPENDED 2' x 2' ACOUSTICAL CEILING GRID SYSTEM SPECIFIED BY OWNER & FURNISHED AND INSTALLED BY CONTRACTOR
- NEW METAL STUD AND GYPSUM BOARD SOFFIT. REFER TO CEILING PLAN FOR ADDITIONAL INFORMATION.
- NEW DOOR HEADER - REFER TO HOLLOW METAL DETAILS FOR ADDITIONAL INFORMATION
- EXISTING DOOR AND / OR WINDOW HEADER
- GWB GYPSUM WALL BOARD
- APC 2X2' ACOUSTICAL PANEL CEILING

No.	Date	Description
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Montclair, NJ 07043

Project:
Bohn Hall - 3rd Floor Community Kitchen Renovation
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 07/24/2023
Drawn By: SBT
Checked By: JWB

Sheet Name:
Reflected Ceiling Plan

Sheet No:

A-400
Sheet 0 of 000

ABBREVIATIONS

Table of abbreviations for mechanical components, including items like ABANDON, AUTOMATIC AIR VENT, AIR CONDITIONER, ABSOLUTE, ABOVE, ACCESS DOOR, etc.

GENERAL NOTES

- 1. THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE 2021 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. MECHANICAL CONTRACTOR SHALL ENSURE 36" MIN. CLEARANCE IN FRONT OF ALL ACCESS PANELS.

GENERAL DEMOLITION NOTES

- 1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

LIST OF DRAWINGS

Table listing drawing numbers and titles: M-001 MECHANICAL COVER SHEET, M-002 MECHANICAL SPECIFICATIONS, M-100 MECHANICAL NEW WORK FLOOR PLANS

SYMBOL LEGEND

Symbol legend containing various mechanical symbols and their descriptions, such as EQUIPMENT MARKER, ROUND ELBOW OR RADIUS ELBOW, SUPPLY AIR DIFFUSER, PRESSURE SWITCH, CHILLED WATER RETURN PIPE, HUMIDITY SENSOR, etc.

Revision table with columns for No., Date, Description, and Revisions / Issues. Includes entries for 10/09/23, 09/15/23, and 08/22/23.

Logo for DiGroupArchitecture with contact information: 15 Bethany Street, New Brunswick, NJ 08901, 732.246.6242.

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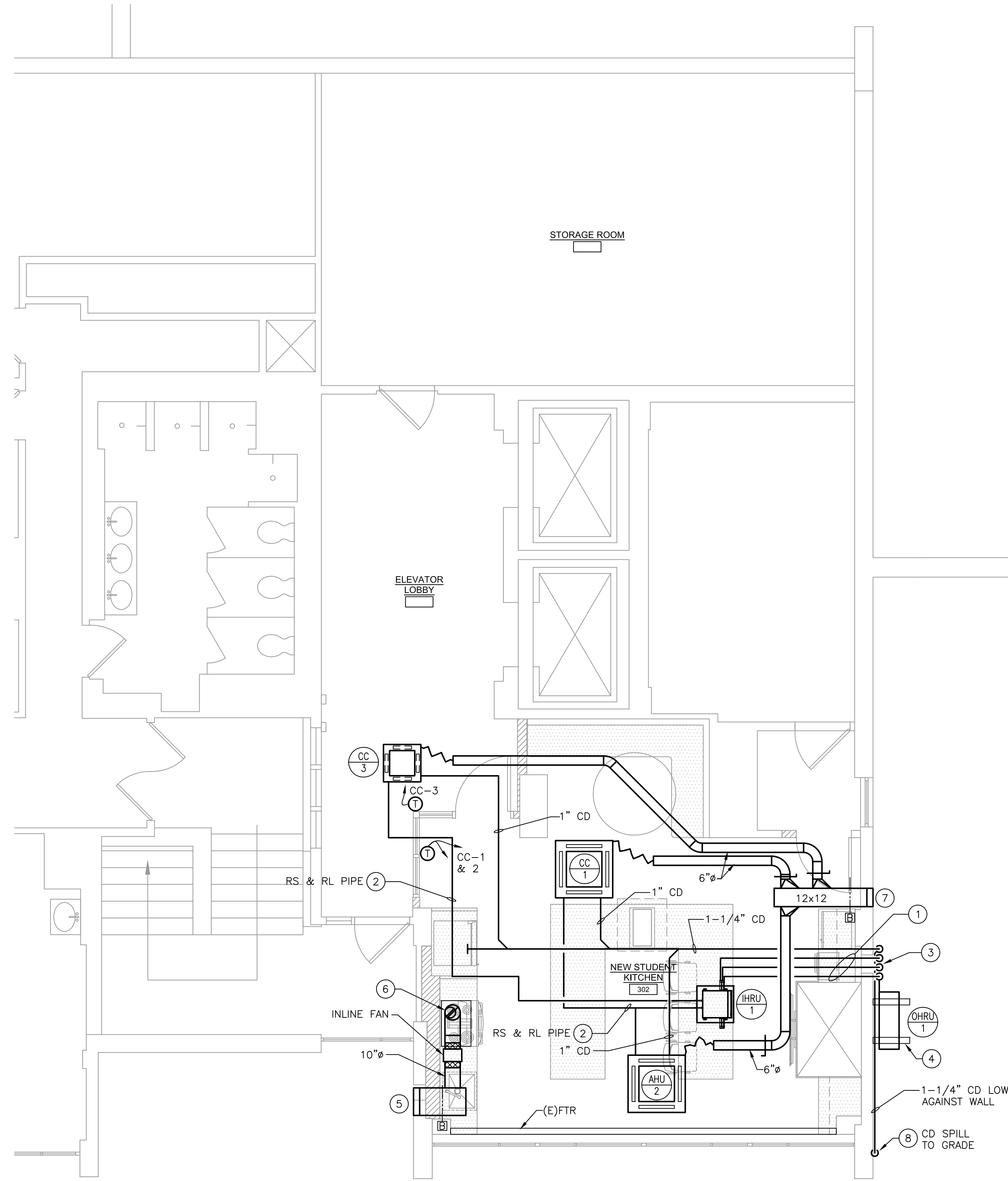
Client: Montclair State University, 1 Normal Avenue, Montclair, NJ 07043

Project: Bohn Hall - 3rd Floor Community Kitchen Renovation
Drawing Information: Project No: 23.033, Date: 23.033, Drawn By: TMM, Checked By: RLD

Professional Engineer seal for Richard L. Delp, PE, New Jersey Professional Engineer License No. GE45368.

MECHANICAL COVER SHEET

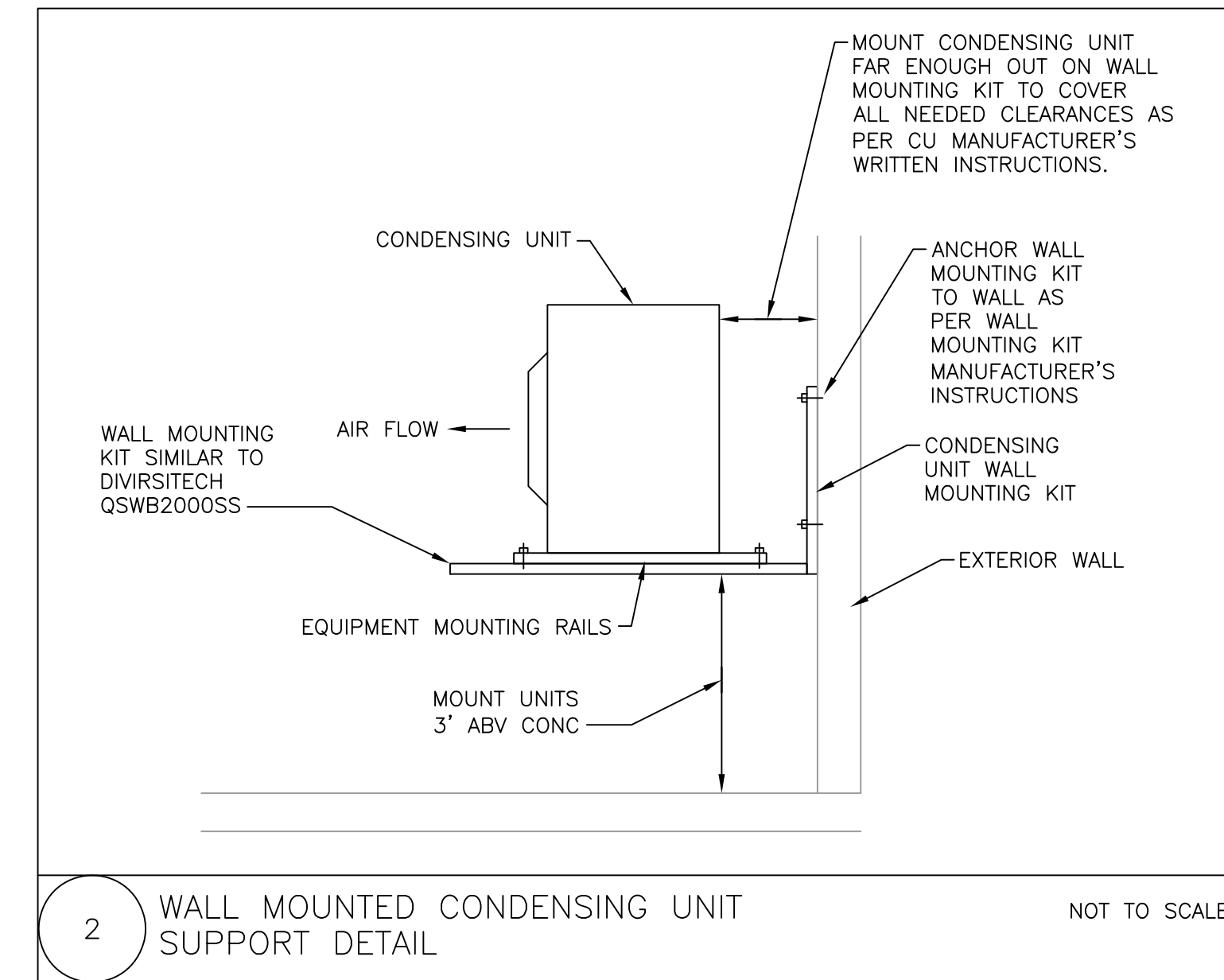
Sheet No: M-001



1 MECHANICAL NEW WORK FLOOR PLAN
SCALE: 1/4"=1'-0"

NEW WORK KEY NOTES:

1. REFRIGERANT SUCTION, LIQUID & HEAT RECOVERY PIPING FROM OUTDOOR HEAT RECOVERY UNIT TO INDOOR HEAT RECOVERY UNIT. SIZE ALL LINES PER MANUFACTURERS RECOMMENDATIONS.
2. REFRIGERANT SUCTION & LIQUID PIPING FROM INDOOR HEAT RECOVERY UNIT TO CEILING CASSETTE UNIT SIZED PER MANUFACTURERS RECOMMENDATIONS.
3. REFRIGERANT SUCTION, REFRIGERANT LIQUID, REFRIGERANT HEAT RECOVERY, & 1-1/4" CONDENSATE DRAIN DOWN EXTERIOR OF BUILDING. PROVIDE ALL PIPING DOWN IN LINEHIDE SIMILAR TO DIVERSITECH EASYGUARD.
4. CONDENSING UNIT TO BE WALL HUNG ON EXTERIOR WALL DOWN BY CONCRETE PLATFORM ON FIRST FLOOR BELOW. WALL HANG BRACKET KIT SHALL BE SIMILAR TO DIVERSITECH QSWB2000SS.
5. 18x12 LOUVER SIMILAR TO GREENHECK ESD-435 MIN 0.50 SQ. FT. FREE AREA.
6. 10" Ø EXHAUST DUCT DOWN TO KITCHEN HOOD. EXHAUST DUCT TO TRANSITION TO 7" Ø DURING DROP TO MATCH HOOD CONNECTION. PROVIDE DENLER D1030-D-IF 30" WIDE HOOD WITH INLINE FAN. PROVIDE HOOD WITH ADA HANDICAPPED ACCESSIBLE CONTROL BOX, INTEGRATED FIRE SUPPRESSION SYSTEM, & D1000-E ELECTRIC RANGE ELEMENT DISCONNECT. COORDINATE WITH EC FOR WIRING.
7. 12x12 LOUVER SIMILAR TO GREENHECK ESD-435 MIN 0.30 SQ. FT. FREE AREA.
8. 1-1/4" CONDENSATE DRAIN TO RUN ON WALL TO CLEAR CONCRETE PLATFORM AND SHALL TERMINATE BY SPILLING TO GRADE. PROVIDE CONDENSATE DRAIN WITH PREFORMED CONCRETE SPLASH BLOCK AT TERMINATION.



CEILING CASSETTE AIR HANDLING UNIT SCHEDULE														
UNIT TAG	AREA SERVED	TOTAL SUPPLY CFM @ LOW	OUTDOOR AIR CFM	RATED TOTAL COOLING BTU/HR	RATED TOTAL HEATING BTU/HR	ELECTRICAL CHARACTERISTICS				MAXIMUM DIMENSIONS, IN. LxWxH	MAXIMUM WEIGHT LBS.	TYPE	BASIS OF DESIGN MANUFACTURER & MODEL NO.	SERVED BY
						VOLTS	PHASE	CYCLE	AMPS					
CC-1	LOUNGE	670	60	24,200	27,300	208	1	60	1.67	38x38x12	60	CEILING CASSETTE	LG ARNU243TA44	CU-1
CC-2	LOUNGE	670	60	24,200	27,300	208	1	60	1.67	38x38x12	60	CEILING CASSETTE	LG ARNU243TA44	CU-1
CC-3	ELEVATOR LOBBY	247	25	12,300	13,600	208	1	60	0.20	24x24x10	32	CEILING CASSETTE	LG ARNU123TRD4	CU-1

1. PROVIDE ALL UNITS WITH WALL MOUNTED HARD-WIRED THERMOSTAT. CC-1 & CC-2 SHALL RUN OFF ONE THERMOSTAT.
2. PROVIDE ALL UNITS WITH INTEGRAL CONDENSATE PUMP.
3. PROVIDE ALL UNITS COMPLETE WITH GRILLE.
4. PROVIDE ALL UNITS WITH CONDENSATE OVERFLOW SWITCH AND INTERLOCK WITH UNIT FOR SHUTDOWN.

VRF OUTDOOR HEAT RECOVERY UNIT SCHEDULE																	
UNIT TAG	TONS	NOMINAL COOLING CAPACITY BTUH	NOMINAL HEATING CAPACITY BTUH	COMPRESSOR			CONDENSER FAN MOTOR			ELECTRICAL CHARACTERISTICS				MAX. AMBIENT TEMP. °F	MAXIMUM DIMENSIONS, IN. LxWxH	OPERATING WEIGHT LBS.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.
				QTY.	H.P. EA.	RLA, COMP.#	QTY.	KW EA.	FLA	VOLTS	PHASE	CYCLE	MCA				
OHRU-1	5	60,000	64,000	1	-	19.5	2	-	0.5	208	3	60	25.4	122	38x13x55	260	LG ARUB06GSS4

1. PROVIDE UNIT WITH LOW AMBIENT WIND BAFFLE.
2. PROVIDE UNIT WITH EC PROVIDED NON-FUSED DISCONNECT SWITCH.
3. PROVIDE UNIT WITH WALL HANG BRACKET KIT SIMILAR TO DIVERSITECH QSWB2000SS.

VRF INDOOR HEAT RECOVERY UNIT SCHEDULE												
UNIT TAG	UNITS SERVED	NO. OF PORTS	MAX PORT CAPACITY BTUH	MAX UNIT CAPACITY BTUH	ELECTRICAL CHARACTERISTICS				MAXIMUM DIMENSIONS, IN. LxWxH	OPERATING WEIGHT LBS.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	
					VOLTS	PHASE	CYCLE	AMPS				
IHRU-1	CC-1/CC-2/CC-3	2	60,000	120,000	208	1	60	0.06	31x26x9	33	LG PRHR023A	

No.	Date	Description
12/05/23	10/09/23	RESPONSE TO FM COMMENTS
09/15/23	09/15/23	Permit and Construction
		Permit and Construction

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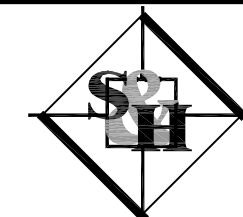
Sheet Name:

MECHANICAL NEW WORK FLOOR PLAN

Sheet No:

M-100

M/E/P Engineer:



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Consulting M/E/P Engineers
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NEW JERSEY PROFESSIONAL ENGINEER
LICENSE NO.: GE45368

SYMBOL LEGEND

Table with 3 columns: Symbol, Description, and Symbol. Includes entries for Domestic Cold Water, Domestic Hot Water, Natural Gas Piping, Propane Line, Rain Water Conductor, Tempered Water, Sanitary Line, Condensate Drain, Vent Line, Back Flow Preventer, OS & Y Valve, Globe Valve, Ball Valve, Monitored Ball Valve, Butterfly Valve, Monitored Butterfly Valve, Clean Out, Flow Switch, Gas Cock, Shock Absorber, Pressure Reducing Valve, Hose Bibb, Wall Hydrant, Check Valve, Relief Valve.

GENERAL DEMOLITION NOTES

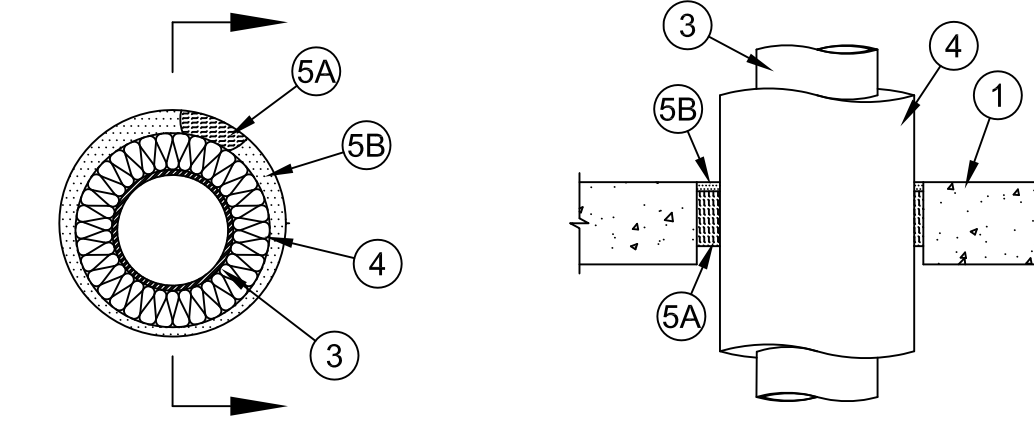
- 1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED... SHOULD THE OWNER OPT TO KEEP ANY MATERIALS...
4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE...
5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS...
6. DO NOT REMOVE EXISTING STRUCTURAL WORK... DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS...
7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED...
8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE...
9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS...
10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED...
11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED...
12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.

GENERAL NOTES

- 1. THE FOLLOWING NOTES APPLY TO ALL PLUMBING DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE 2021 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. ALL DRAWINGS ARE DIAGRAMMATIC. PLUMBING CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION... WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF DUCTWORK PIPING AT NO ADDITIONAL COST.
5. ALL FLOOR MOUNTED WATER HEATERS SHALL BE INSTALLED ON 4" HIGH CONCRETE HOUSEKEEPING PADS PROVIDED BY THE PLUMBING CONTRACTOR.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. SCHEDULES DO NOT REPRESENT EQUIPMENT QUANTITIES. REFER TO THE PLANS FOR ACTUAL QUANTITIES.
8. PLUMBING CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
9. MANUFACTURERS AND MODEL NUMBERS INDICATED ON THE PLANS, SCHEDULES AND SKETCHES ARE PROVIDED AS A BASIS OF DESIGN ONLY... BIDDERS SHALL REFER TO THE SPECIFICATIONS FOR A LISTING OF MULTIPLE ACCEPTABLE MANUFACTURERS FOR EACH OF THESE ITEMS...
10. PRIOR TO BIDDING, THE CONTRACTOR SHALL EXAMINE ALL PROJECT DRAWINGS AND SPECIFICATIONS TO DEVELOP A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE...
11. ALL PENETRATIONS INCLUDING CEILING, WALL, AND FLOOR, SHOULD BE SEALED WITH FM APPROVED PENETRATION SEALS WITH FIRE RATINGS EQUAL TO THOSE OF THE SURROUNDING CONSTRUCTION... THE FM APPROVED PENETRATIONS SHOULD BE INSTALLED BY AN FM APPROVED FIRE STOP CONTRACTOR... MATERIAL CUTSHEETS OF THE FIRESTOPS TO BE INSTALLED AND FIRESTOP CONTRACTOR CERTIFICATION SHOULD BE PROVIDED FOR REVIEW.

LIST OF DRAWINGS

P-001 PLUMBING COVER SHEET
PD-100 PLUMBING DEMOLITION & NEW WORK FLOOR PLANS



- 1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE FLOOR...
2. NOT USED.
3. THROUGH PENETRANT - ONE METALLIC PIPE OR TUBE TO BE INSTALLED ECCENTRICALLY OR CONCENTRICALLY WITHIN THE FIRESTOP SYSTEM...
4. PIPE COVERINGS - ONE OF THE FOLLOWING TYPES OF PIPE COVERINGS SHALL BE USED:
A. PIPE AND EQUIPMENT COVERING MATERIALS* - NOM 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET...
B. PIPE COVERING MATERIALS* - NOM 2 IN. THICK UNFACED MINERAL FIBER PIPE INSULATION HAVING A NOM DENSITY OF 3.5 PCF (OR HEAVIER) AND SIZED TO THE OUTSIDE DIAM OF PIPE OR TUBE...
C. SHEATHING MATERIAL* - USED IN CONJUNCTION WITH ITEM 4B...
5. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. PACKING MATERIAL - MIN 4 PCF MINERAL WOOL BATT INSULATION COMPRESSED AND TIGHTLY PACKED INTO OPENING AS A PERMANENT FORM...
B. FILL VOID OR CAVITY MATERIAL* - SEALANT - FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR ASSEMBLY OR TOP EDGE OF STEEL SLEEVE...
C. MIN FLOOR OR WALL THICKNESS, IN.
ANNULAR SPACE, IN.
MIN PACKING MATERIAL DEPTH, IN.
MIN FILL MATERIAL DEPTH, IN.
2-1/2 1/4 TO 5/8 1-1/2 1
4-1/2 1/4 TO 1-5/8 3 1/2

SEE SHEATHING MATERIALS (BVDV) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS...
SPECIFIED TECHNOLOGIES INC - SPECSEAL LCI SEALANT
*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Symbol, and Full Name. Includes entries for AB (ABANDONED), AD (AREA DRAIN), AFF (ABOVE FINISHED FLOOR), BFP (BACK FLOW PREVENTER), CA (COMPRESSED AIR), CO (CLEAN OUT), CW (DOMESTIC COLD WATER), DF (DRINKING FOUNTAIN), DN (DOWN), DW (DISHWASHER), (E) (EXISTING), EC (ELECTRICAL CONTRACTOR), ET (EXPANSION TANK), EWC (ELECTRIC WATER COOLER), FAI (FRESH AIR INLET), FD-A (FLOOR DRAIN (A - INDICATES TYPE)), FU (FIXTURE UNIT), GC (GENERAL CONTRACTOR), G (GAS), HB (HOSE BIBB), HW (DOMESTIC HOT WATER), HWH (HOT WATER HEATER), HWR (DOMESTIC HOT WATER RECIRCULATION), IW (INDIRECT WASTE), LAV (LAVATORY), MAX (MAXIMUM), MIN (MINIMUM), MC (MECHANICAL CONTRACTOR), MH (MANHOLE), MR (MOP RECEPTOR).

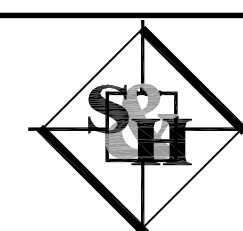
SPECIFICATIONS

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE 2021.
2. ABOVEGROUND DOMESTIC WATER PIPING TO BE HARD COPPER TUBE: ASTM B 88, TYPE L WATER TUBE, DRAWN TEMPER...
3. ALL DOMESTIC WATER VALVES 2" & SMALLER TO BE BALL TYPE RATED FOR 150 PSI SATURATED STEAM PRESSURE, 400 PSI WOG PRESSURE...
4. ALL DOMESTIC HOT, COLD, AND HOT WATER RETURN PIPING SHALL BE INSULATED WITH 1" ASJ FIBERGLASS...
5. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS PER AWWA C651 OR C652.
6. ALL ABOVE GROUND SANITARY AND VENT PIPING TO BE CAST IRON NO HUB.
A. CAST IRON PIPE AND FITTINGS: ASTM A888, CISPI 301
B. COUPLINGS: ASTM C 1277 ASSEMBLY OF METAL HOUSING, CORROSION RESISTANT FASTENERS, AND ASTM C 564 RUBBER SLEEVE WITH INTEGRAL CENTER PIPE STOP...
7. PROVIDE ALL CUTTING, PATCHING AND CLEAN-UP AS REQUIRED TO INSTALL PIPING AS SHOWN ON THE CONTRACT DRAWINGS...
8. PROVIDE PIPE SLEEVES USING SCHEDULE 40 STEEL PIPE...
9. PROVIDE HANGERS AND SUPPORTS IN ACCORDANCE WITH MSS-SP-90.
10. PROVIDE PIPE IDENTIFICATION IN ACCORDANCE WITH ASME A13.1...
11. COMPLY WITH REQUIREMENTS IN ICC A117.1, "ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES"...
12. COMPLY WITH REQUIREMENTS IN PUBLIC LAW 102-486, "ENERGY POLICY ACT"...
13. COMPLY WITH NSF 61, "DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS"...
14. ALL CONNECTIONS AND CHANGES IN DIRECTION FOR ALL SANITARY AND VENT PIPING TO BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE 2021.
15. USE ASTM B 813, WATER-FLUSHABLE, LEAD-FREE FLUX; ASTM B 32, LEAD-FREE ALLOY SOLDER; AND ASTM B 828 PROCEDURE FOR ALL SOLDERED JOINTS.
16. HANGER AND SUPPORT INSTALLATION
A. VERTICAL PIPING: MSS TYPE 8 OR TYPE 42, CLAMPS.
B. INDIVIDUAL, STRAIGHT, HORIZONTAL PIPING RUNS: ACCORDING TO THE FOLLOWING:
• 100 FEET AND LESS: MSS TYPE 1, ADJUSTABLE, STEEL CLEVIS HANGERS.
C. SUPPORT VERTICAL PIPING AND TUBING AT BASE AND AT EACH FLOOR.
D. INSTALL HANGERS AND SUPPORTS IN ACCORDANCE WITH THE FOLLOWING MAXIMUM SPANS AND MINIMUM ROD DIAMETERS:
• ABOVE GROUND PVC SANITARY AND VENT PIPING: 3 INCH AND SMALLER: 48 INCHES WITH 1/2 INCH ROD...
• ABOVE GROUND DOMESTIC WATER COPPER PIPING: 2 INCH AND SMALLER: 96 INCHES WITH 1/2 INCH ROD...

THROUGH FLOOR PENETRATION FIRESTOP SYSTEMS SYSTEM

1. NO C-AJ-5138 F-RATING 2 HR. & T-RATING 1 HR. NO SCALE

M/E/P Engineer:



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Consulting M/E/P Engineers
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Certificate of Authorization: 24GA28014000
S&H JOB #2365A

RICHARD L. DELP, PE
NEW JERSEY PROFESSIONAL ENGINEER
LICENSE NO.: GE45368

Table with 2 columns: Date and Description. Includes entries for 10/09/23 (Permit and Construction), 09/15/23 (Permit and Construction), and 09/15/23 (Permit and Construction).

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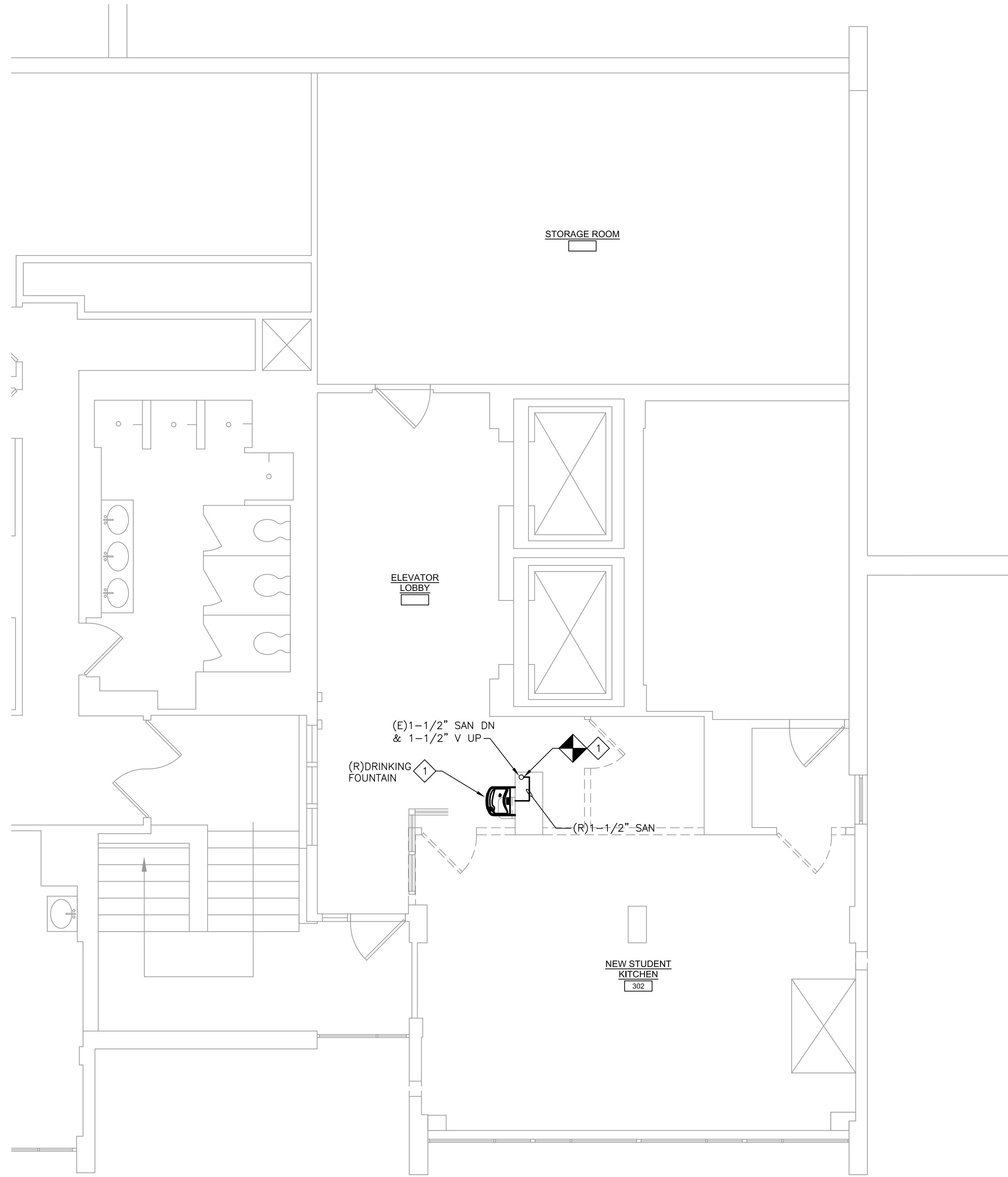
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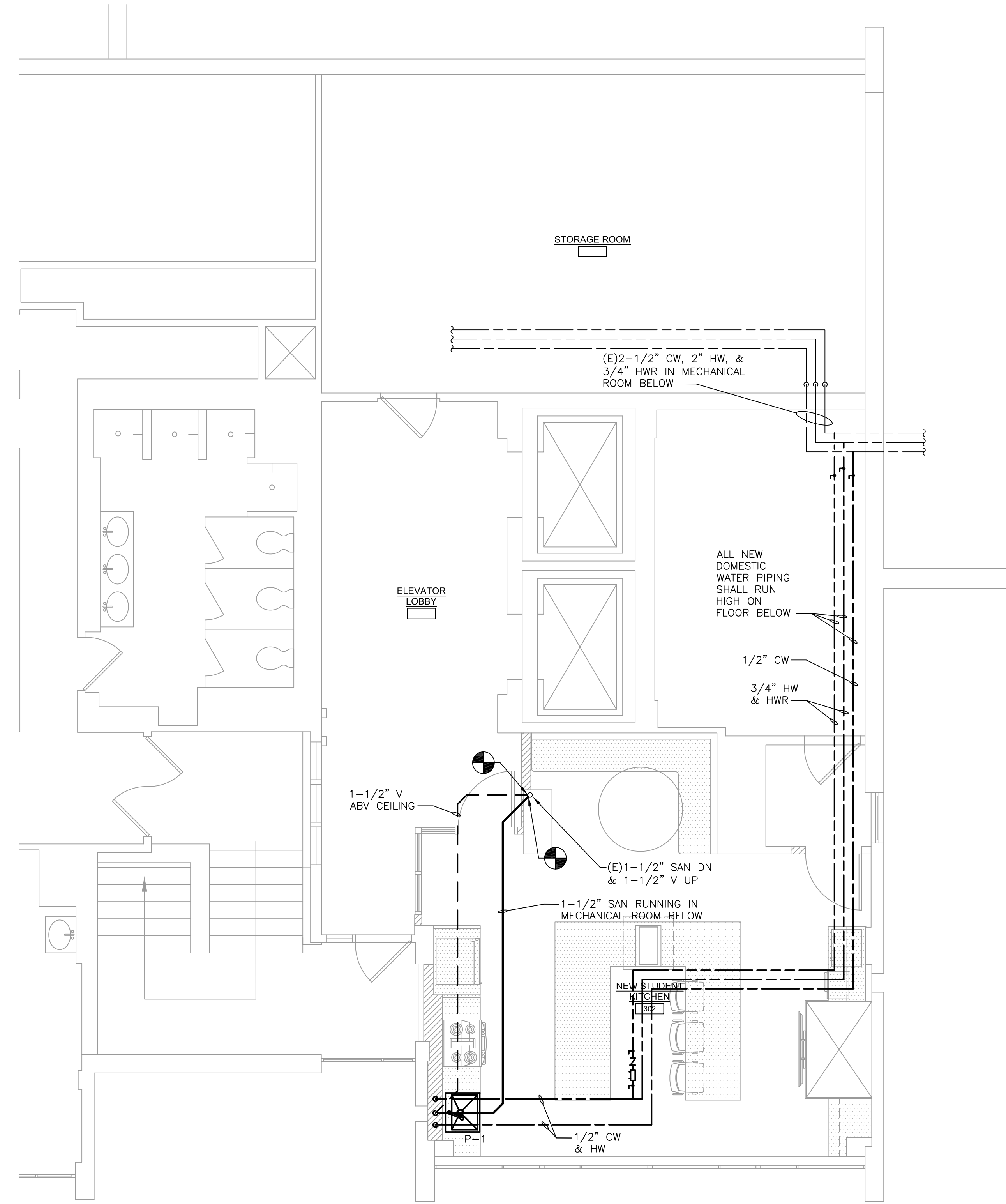
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P-001



DEMOLITION KEY NOTES:
 1 REMOVE DRINKING FOUNTAIN, CAP DOMESTIC WATER PIPE BEHIND WALL AND REMOVE SANITARY UP TO SANITARY/VENT RISER AND CAP.

1 PLUMBING DEMOLITION FLOOR PLAN
 SCALE: 1/4"=1'-0"



NOTES:
 1. FOR LEGEND, ABBREVIATIONS, SPECIFICATIONS AND GENERAL NOTES, REFER TO DRAWINGS P-001.
 2. PORTIONS OF THE MECHANICAL ROOM ARE 20' TALL WITH A SIGNIFICANT AMOUNT OF EXISTING UTILITIES. THE CONTRACTOR SHALL VISIT THE MECHANICAL ROOM BELOW TO VERIFY EXISTING CONDITIONS BEFORE BIDDING.

1 PLUMBING NEW WORK FLOOR PLAN
 SCALE: 1/4"=1'-0"

PLUMBING FIXTURE SCHEDULE								REMARKS		MANUFACTURER & MODEL NO.	
NO.	DESCRIPTION	MOUNTING	TRAP	DRAIN	VENT	CW	HW				
P-1	SINK	UNDERMOUNT	"P"	1-1/2"	1-1/2"	1/2"	1/2"	UNDERMOUNT STAINLESS STEEL SINK, ADA HEIGHT		ELKAY LUSTERTONE SINK MODEL ELUHAD161655, DELTA TRINISIC COLLECTION MODEL 9159-DST SINGLE HANDLE DECK MOUNTED GOOSENECK FAUCET, BUILT IN PULL-DOWN WAND OPERATION W/ LEVER HANDLE. LONG SUPPLIES W/ ANGLE STOP, GRID DRAIN & TAILPIECE, TRAP & ESCUTCHEONS.	

No.	Date	Description
12/05/23		RESPONSE TO FM COMMENTS
10/09/23		Permit and Construction
09/15/23		Permit and Construction

Revisions / Issues

DIGroupArchitecture
 ARCHITECTURE FOR CHANGE

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Sheet No:

P-100

M/E/P Engineer:

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RICHARD L. DELP, PE
 NEW JERSEY PROFESSIONAL ENGINEER
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REQUIREMENT NOTES

PART 1 - GENERAL
1.1 DESCRIPTION:
A. WORK INCLUDED:
1. DESIGN, FABRICATE, INSTALL, AND SECURE REQUIRED APPROVALS FOR A COMPLETE FIRE PROTECTION AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING AND/OR AS SPECIFIED HEREIN AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION IN ACCORDANCE WITH PERTINENT REQUIREMENTS OF THE FIRE RATING BUREAU AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.
2. PROVIDE CURRENT CODE COMPLIANT HYDRANT WATER FLOW TEST.
3. ALL NEW SPRINKLERS, PIPING, VALVES, ETC. SHALL BE FM APPROVED.
1.2 QUALITY ASSURANCE:
A. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THIS SECTION.
B. IN ADDITION, COMPLYING WITH PERTINENT CODES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION COMPLY WITH:
1. RECOMMENDATIONS OF THE FIRE RATING BUREAU HAVING JURISDICTION.
2. PERTINENT RECOMMENDATIONS CONTAINED IN NFPA PAMPHLET NO. 13 "STANDARDS FOR SPRINKLER SYSTEM INSTALLATIONS."
1.3 SUBMITTALS:
A. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN) AND WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS.
B. PRODUCT DATA:
1. WITHIN 35 CALENDAR DAYS AFTER THE CONTRACTOR HAS RECEIVED THE OWNER'S NOTICE TO PROCEED, SUBMIT:
a. MATERIALS LIST OF ITEMS PROPOSED UNDER THIS SECTION.
b. DESIGN DRAWINGS, STAMPED AS HAVING BEEN APPROVED BY THE ARCHITECT AND ENGINEER OF RECORD AS WELL AS THE FIRE RATING BUREAU HAVING JURISDICTION, SHOWING THE COMPLETE OVERHEAD SPRINKLER SYSTEM AND INDICATING CEILING AIR DIFFUSERS, LIGHTING FIXTURES, AND BEAMS.
c. DETAILS AND SECTIONS AS REQUIRED TO CLARIFY THE DESIGN.
C. RECORD DRAWINGS:
1. INCLUDE A COPY OF THE RECORD DRAWINGS IN EACH COPY OF THE OPERATION AND MAINTENANCE MANUAL DESCRIBED BELOW.
2. UPON COMPLETION OF THIS PORTION OF WORK, AND AS A CONDITION OF ITS ACCEPTANCE, DELIVER TO THE ARCHITECT TWO COPIES OF AN OPERATION MANUAL COMPLIED IN ACCORDANCE WITH THE PROVISIONS OF THESE SPECIFICATIONS.

D. PROVIDE SPRINKLER GUARDS FOR ALL SPRINKLER HEADS ABOVE GYMNASIUM AND/OR BELOW STAGE AREA.
E. THE SPRINKLER CONTRACTOR SHALL MAKE AN ALLOWANCE TO INSTALL A MINIMUM OF 20% ADDITIONAL SPRINKLER HEADS TO BE INSTALLED AS TO PROVIDE ADEQUATE COVERAGE DUE TO ANY MECHANICAL AND/OR ARCHITECTURAL OBSTRUCTIONS, DUCTWORK, PIPING, ETC. INSTALLED DURING CONSTRUCTION WHICH MAY ALTER THE ORIGINAL SPRINKLER DESIGN.
F. SPRINKLER CONTRACTOR SHALL DESIGN SPRINKLER PIPING TO INCLUDE A 20% MARGIN OF SAFETY FOR BOTH AVAILABLE WATER FLOW AND PRESSURE.
G. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIREWALLS AND WALLS WHICH REQUIRE SEALING. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL WALL PENETRATIONS WITH FIRE RATED SEALANT BEFORE FINAL PAYMENT. PROVIDE CODE APPROVED FIRE STOP SYSTEMS AT ALL OPENINGS (CORRIDOR WALLS 2 HOUR RATED). FIRE STOP INSTALLATION MUST MEET REQUIRED ASTM E814 AND UL1479 TESTED ASSEMBLIES, THAT PROVIDE A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
3.3 TESTING AND ACCEPTANCE:
A. UPON COMPLETION OF THE INSTALLATION, PROVIDE NECESSARY PERSONEL AND EQUIPMENT AND TEST AND RETEST THE COMPLETE SYSTEM, MAKING ADJUSTMENTS AS REQUIRED, AND SECURE ALL NECESSARY APPROVALS.
B. WHEN THE SYSTEM HAS BEEN COMPLETELY APPROVED, SECURE A LETTER OF FINAL ACCEPTANCE FROM THE FIRE RATING BUREAU HAVING JURISDICTION, AND FORWARD TWO COPIES OF THE LETTER TO THE ARCHITECT.
C. SPRINKLER CONTRACTOR SHALL FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEM ACCORDING TO NFPA 13.
D. SPRINKLER CONTRACTOR SHALL PROVIDE ALL REQUIRED TESTING OF WATER SUPPLIES FOR POTENTIAL (MIC) MICROBIOLOGICALLY INFLUENCED CORROSION PER NFPA 13 (WATER SUPPLY TREATMENT).

PART 2 - PRODUCTS DESIGN:
2.1 PROVIDE A DESIGN WHICH IS COMPLETE IN ALL REGARDS INCLUDING, BUT NOT NECESSARILY LIMITED TO:
A. CONNECTION TO UTILITY MAIN INCLUDING REQUIRED VALVES, FITTINGS, AND SIMILAR ITEMS.
B. OVERHEAD SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN), WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS.
1. SPRINKLER CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR EACH TYPE SPRINKLER HEAD, VALVE, PIPING SPECIALTY, AND FIRE PROTECTION SPECIALTY.
2. SPRINKLER PROTECTION SHALL BE BASED ON LIGHT HAZARD OCCUPANCY FOR CLASSROOMS, OFFICE SPACES, ETC. AND ORDINARY HAZARD OCCUPANCY FOR STORAGE, STAGES, KITCHENS, AND EQUIPMENT ROOMS.
2.2 ARRANGEMENT:
A. IN AREAS HAVING CEILINGS, CONCEAL ALL PIPES.
B. IN STORAGE AND SERVICE AREAS, PIPES MAY BE EXPOSED BUT HOLD TO THE MINIMUM PRACTICABLE DISTANCE BELOW THE CEILING.
2.3 MATERIALS:
A. ALL NEW SPRINKLERS, PIPING, VALVES, ETC. SHALL BE FM APPROVED.
B. SPRINKLER HEADS:
3. ABOVE CEILINGS AND/OR IN AREAS WITHOUT FINISHED CEILINGS, PROVIDE STANDARD UPRIGHT TYPE.
4. IN FINISHED CEILINGS, PROVIDE CONCEALED TYPE SPRINKLER HEADS WITH WHITE COVER PLATE.
B. PROVIDE SUPPORTS, HANGERS, INSERTS, AND ASSOCIATED ITEMS TO PROPERLY SUPPORT SPRINKLER PIPING IN ACCORDANCE WITH PERTINENT PROVISIONS OF NFPA 13.
C. VALVE SEALS, SIGNS, TAGS, AND CHARTS:
1. SEALS: PROVIDE BRASS CROSS-LINKS CHAIN. ALL BRASS PADLOCK AND TWO KEYS FOR EACH MANUALLY OPERATED SHUTOFF VALVE REQUIRED TO BE SEALED IN THE OPEN POSITION.
2. SIGNS: PROVIDE IDENTIFICATION SIGNS OF STANDARD DESIGN, FASTENED SECURELY AT DESIGNATED LOCATIONS IN ACCORDANCE WITH NFPA PAMPHLET NO. 13. PROVIDE PERMANENT ENGRAVED STEEL PLACARD CHAINED TO SPRINKLER VALVE WITH HYDRAULIC "BASIS OF DESIGN."
3. TAGS: PROVIDE 2" DIAMETER BRASS TAGS, STAMPED WITH DESIGNATION NUMBERS, AND ATTACHED WITH 12 GAGE COPPER WIRE TO SPINDLE OF THE CONTROL VALVES.
4. CHARTS:
a. PROVIDE TWO COPIES OF THE APPROVED "AS-BUILT" SPRINKLER SYSTEM DIAGRAM AND VALVE CHART GIVING DESIGNATION NUMBER, FUNCTION, AND LOCATION OF EACH VALVE.
b. MOUNT IN PAINTED FRAMES UNDER GLASS AND LOCATED WHERE DIRECTED BY THE ARCHITECT.
2.4 OTHER MATERIALS:
A. PROVIDE OTHER MATERIALS NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT.
B. FURNISH EXTRA SPRINKLER HEADS AND SPRINKLER HEAD CABINETS WITH ASSOCIATED WRENCHES PER THE FOLLOWING SCHEDULE:
1. FOR SYSTEMS HAVING LESS THAN 300 SPRINKLERS, NOT FEWER THAN 6 SPRINKLERS.
2. FOR SYSTEMS WITH 300 TO 1000 SPRINKLERS, NOT FEWER THAN 12 SPRINKLERS.
3. FOR SYSTEMS WITH OVER 1000 SPRINKLERS, NOT FEWER THAN 24 SPRINKLERS.
C. PROVIDE INSPECTORS TEST CONNECTION AND DRAIN ACCORDING TO NFPA 13.
D. PROVIDE FLOW SWITCHES, PRESSURE GAUGES, AND SUPERVISORY SWITCHES PER NFPA 13.

PART 3 - EXECUTION
3.1 SURFACE CONDITIONS:
A. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
B. SPRINKLER CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING IN ALL AREAS AS REQUIRED UNDER THIS CONTRACT. PATCH ALL WALL, CEILING, AND FLOOR OPENINGS AS NECESSARY.
3.2 INSTALLATION:
A. COORDINATE AS NECESSARY WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION.
B. INSTALL THE WORK OF THIS SECTION IN STRICT ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS AND THE REQUIREMENTS OF THE FIRE MARSHAL, GOVERNMENTAL AGENCIES, AND FIRE RATING BUREAU HAVING JURISDICTION.
C. PROVIDE HOODS OR SHIELDS ABOVE ALL ELECTRICAL EQUIPMENT IN ELECTRIC ROOMS.

GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL FIRE PROTECTION DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13-2019 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. ALL DRAWINGS ARE DIAGRAMMATIC. FIRE PROTECTION CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF SPRINKLER PIPING AT NO ADDITIONAL COST.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COORDINATION DRAWINGS SHOWING ALL TRADES. NO EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. FIRE PROTECTION CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
8. INDICATED SPRINKLER HEAD AND PIPING ARE DIAGRAMMATIC. CONTRACTOR SHALL DETERMINE ALL REQUIRED LOCATIONS AND BRANCH/MAIN DIRECTION CHANGES BEFORE FABRICATION AND INSTALLATION TO AVOID INTERFERENCE WITH OTHER TRADES AND EXISTING STRUCTURES.
9. UNLESS OTHERWISE NOTED, ALL SPRINKLER PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL.
10. ALL PENETRATIONS INCLUDING CEILING, WALL, AND FLOOR, SHOULD BE SEALED WITH FM APPROVED PENETRATION SEALS WITH FIRE RATINGS EQUAL TO THOSE OF THE SURROUNDING CONSTRUCTION. THE FM APPROVED PENETRATIONS SHOULD BE INSTALLED BY AN FM APPROVED FIRE STOP CONTRACTOR. MATERIAL CUTSHEETS OF THE FIRESTOPS TO BE INSTALLED AND FIRESTOP CONTRACTOR CERTIFICATION SHOULD BE PROVIDED FOR REVIEW.
11. FIRE PERMITS ARE REQUIRED FOR ALL FIRE PROTECTION WORK.

11. UNLESS OTHERWISE NOTED, ALL SPRINKLER PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL.
10. ALL PENETRATIONS INCLUDING CEILING, WALL, AND FLOOR, SHOULD BE SEALED WITH FM APPROVED PENETRATION SEALS WITH FIRE RATINGS EQUAL TO THOSE OF THE SURROUNDING CONSTRUCTION. THE FM APPROVED PENETRATIONS SHOULD BE INSTALLED BY AN FM APPROVED FIRE STOP CONTRACTOR. MATERIAL CUTSHEETS OF THE FIRESTOPS TO BE INSTALLED AND FIRESTOP CONTRACTOR CERTIFICATION SHOULD BE PROVIDED FOR REVIEW.
11. FIRE PERMITS ARE REQUIRED FOR ALL FIRE PROTECTION WORK.

FIRE WATCH AND SCHEDULING REQUIREMENTS

1. PROJECT SCHEDULING MUST BE COORDINATED WITH THE LOCAL AUTHORITIES HAVING JURISDICTION 2 WEEKS BEFORE PROJECT IS TO START.
2. CONTRACTOR IS TO SUBMIT CONSTRUCTION SCHEDULE AND TIMES TO BOTH ENGINEER/ARCHITECT AND LOCAL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL.
3. A FIRE WATCH WILL BE REQUIRED DURING SYSTEM DOWNTIME. CONTRACTOR IS RESPONSIBLE FOR DEACTIVATING SYSTEM AND ACTIVATING SYSTEM ONCE PROJECT IS COMPLETE AND APPROVED.
4. FIRE WATCH REQUIREMENTS ARE AS OUTLINED BY THE LOCAL AUTHORITIES HAVING JURISDICTION. THE PROCEDURES, AS OUTLINED BY THE LOCAL AUTHORITIES HAVING JURISDICTION, MUST BE FOLLOWED EXACTLY.
5. CONTRACTOR IS RESPONSIBLE FOR FIRE ALARM SYSTEM DEACTIVATION AND ACTIVATION ASSOCIATED WITH THE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES.
6. MAXIMUM SYSTEM DOWN TIME IS 8HRS (FROM 8AM TO 4PM ON A WEEKDAY). CONTRACT REQUIREMENTS INCLUDE FULL COORDINATION WITH THE OWNER AND THE LOCAL AUTHORITIES HAVING JURISDICTION.

LIST OF DRAWINGS

Table with 2 columns: Drawing ID, Description. Includes FP-001 FIRE PROTECTION COVER SHEET and FP-100 FIRE PROTECTION NEW WORK FLOOR PLAN.

ABBREVIATION LEGEND

Table with 2 columns: Abbreviation, Description. Includes BFP BACK FLOW PREVENTER, CA COMPRESSED AIR, DN DOWN, DW DISHWASHER, EC ELECTRICAL CONTRACTOR, FD-A FLOOR DRAIN, FS FLOW SWITCH, GC GENERAL CONTRACTOR, MAX MAXIMUM, MIN MINIMUM, MC MECHANICAL CONTRACTOR, M MONITORED, N NEW WORK, NC NORMALLY CLOSED, NO NORMALLY OPEN, NTS NOT TO SCALE, NIC NOT IN CONTRACT, OS&Y OUTSIDE SCREW & YOKE GATE VALVE, PC PLUMBING CONTRACTOR, PRV PRESSURE REDUCING VALVE.

GENERAL DEMOLITION NOTES

1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.
4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.
11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED FOR THE SAME SERVICE. ALL SHUTDOWNS OF ANY SYSTEM SHALL BE COORDINATED WITH THE OWNER.
12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.

Table with 3 columns: Date, Description, Revisions / Issues. Includes entries for 12.05.23 RESPONSE TO FM COMMENTS, 10/09/23 Permit and Construction, 09/15/23 Permit and Construction.

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Client: Montclair State University
1 Normal Avenue
Montclair, NJ 07043

Project: Bohn Hall - 3rd Floor
Community Kitchen Renovation
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 23.033
Drawn By: TW
Checked By: RLD

Sheet Name: FIRE PROTECTION COVER SHEET

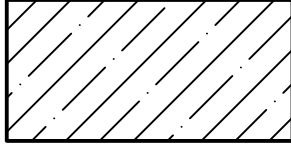
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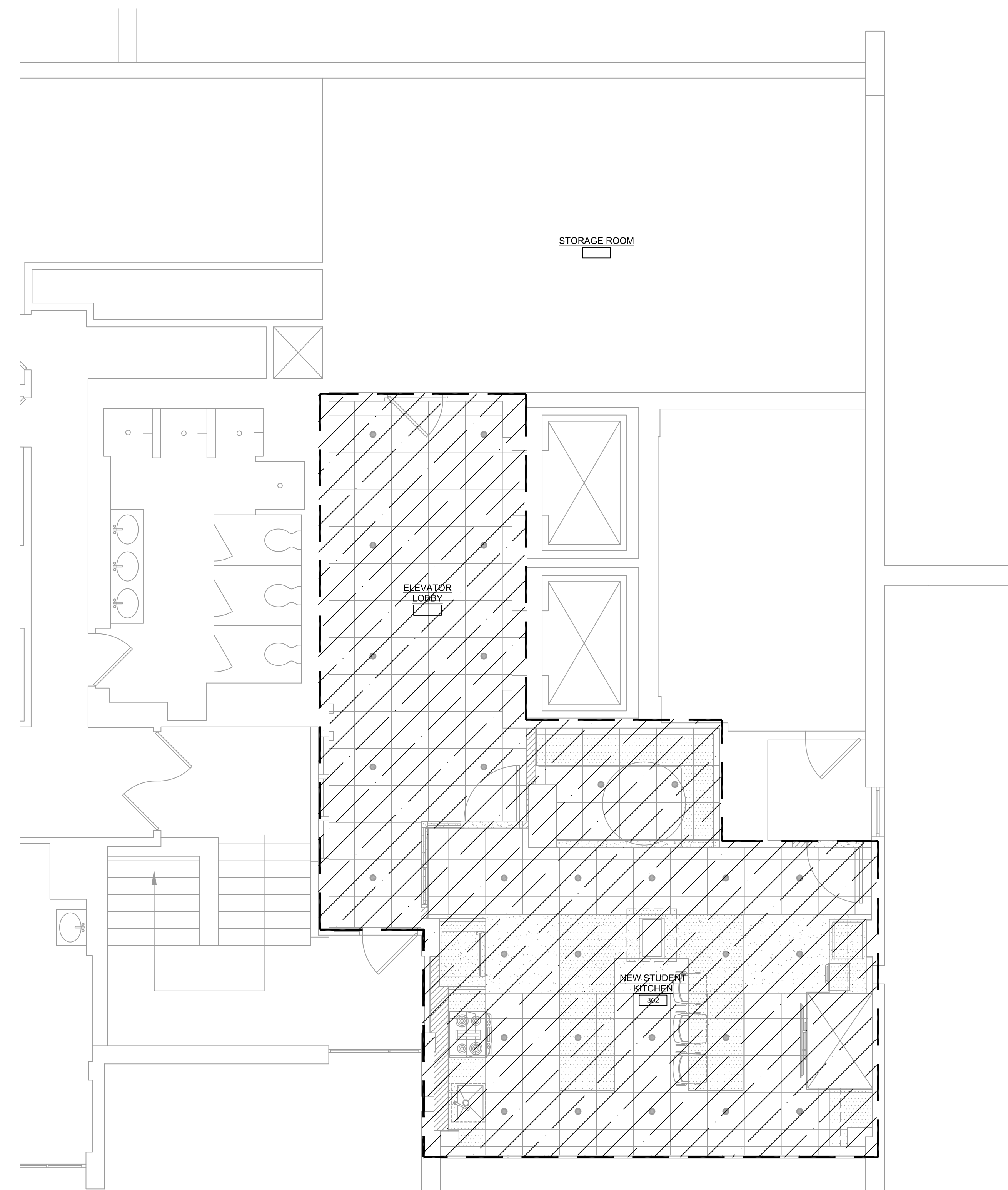
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RICHARD L. DELP, PE
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SPRINKLER NOTES:

1. PIPING 2" AND SMALLER SHALL BE THREADED BLACK STEEL SCH. 40, 2-1/2" AND LARGER SHALL BE SCH. 40 GROOVED BLACK STEEL WITH VICTAULIC FITTINGS.
2. CONTRACTOR TO REMOVE SPRINKLER HEADS AND REMOVE, EXTEND AND MODIFY SPRINKLER MAIN AND BRANCH PIPING AS REQUIRED TO ACCOMMODATE NEW CEILING GRID, WALL LAYOUTS, AND DUCTWORK IN AREA INDICATED.
3. COORDINATE LOCATION OF PIPING AND SPRINKLER HEADS WITH ALL LIGHTING, EQUIPMENT DUCTWORK, STRUCTURAL, ETC.
4. SPRINKLER HEADS TO BE CONCEALED PENDENT QUICK RESPONSE TYPE.
5. ALL SPRINKLER HEADS INSTALLED IN CEILING TILES ARE TO BE CENTERED.
6. CONTRACTOR SHALL COMPLETE SPRINKLER REPLACEMENT IN ALL AREAS SHOWN AS HATCHED ON THE DRAWINGS. THE UNIVERSITY WILL NOT PROVIDE A FIRE WATCH FOR THIS PROJECT. THE EXISTING AND NEW SPRINKLER SYSTEMS SHALL REMAIN ACTIVE DURING CONSTRUCTION. THE SPRINKLER SYSTEM SHALL BE DRAINED ON A DAILY BASIS TO PERFORM THE DEMOLITION AND NEW SPRINKLER WORK AS REQUIRED AND THE SPRINKLER SYSTEM SHALL BE RE-FILLED EACH NIGHT, PRIOR TO THE CONTRACTOR LEAVING THE SITE, SO THE SYSTEM IS ACTIVE OVERNIGHT.

COVERAGE LEGEND

 REMOVE SPRINKLER HEADS AND PIPING AND REPLACE WITH NEW LIGHT HAZARD COVERAGE AS REQUIRED TO ACCOMMODATE NEW LAYOUT IN THIS AREA. ALL NEW PIPING AND HEADS ARE TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 13-2019.



1 FIRE PROTECTION DEMOLITION AND NEW WORK FLOOR PLAN
 SCALE: 1/4"=1'-0"

No.	Date	Description
12.05.23		RESPONSE TO FM COMMENTS
10/09/23		Permit and Construction
09/15/23		Permit and Construction

Revisions / Issues

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Client:
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Project:
 Bohn Hall - 3rd Floor
 Community Kitchen Renovation
 Stone Street
 Montclair, NJ 07043
 MSU Project No: PR23C006


Drawing Information:
 Project No: 23.033
 Date: 23.033
 Drawn By: TW
 Checked By: RLD

Sheet Name:
 FIRE PROTECTION
 NEW WORK
 FLOOR PLAN

Sheet No:

FP-100

M/E/P Engineer:



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ABBREVIATIONS

SPECIFICATIONS

GENERAL NOTES

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes entries like 1P ONE POLE, 2P TWO POLE, etc.

Table with 2 columns: Specification Section, Description. Includes sections like SPECIFICATIONS, A. BASIC ELECTRICAL MATERIALS AND METHODS, B. CONDUCTORS AND CABLE, etc.

- 1. PRIOR TO BIDDING, THE CONTRACTOR SHALL EXAMINE ALL PROJECT DRAWINGS AND SPECIFICATIONS TO DEVELOP A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING. FAILURE TO DO THIS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM ALL REQUIRED WORK.

SYMBOL LEGEND

- Lighting circuiting information. In this example, fixture shall be controlled by control leg "a". All fixtures shall be wired with 2#16AWG wiring for 0-10V dimming with branch circuit conductors, or use of metal-clad luminaire cable may be used where wiring is concealed.

23. FIRE PERMITS ARE REQUIRED FOR ALL FIRE ALARM WORK. 24. ALL PENETRATIONS INCLUDING CEILING, WALL, AND FLOOR, SHOULD BE SEALED WITH FM APPROVED PENETRATION SEALS WITH FIRE RATINGS EQUAL TO THOSE OF THE SURROUNDING CONSTRUCTION.

DEMOLITION NOTES

- 1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO DEMOLITION. 2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

LIST OF DRAWINGS

Table with 2 columns: Drawing ID, Description. Includes entries like E-001 ELECTRICAL COVER SHEET, ED-100 ELECTRICAL DEMOLITION FLOOR PLANS, etc.

Table with 3 columns: No., Date, Description. Includes entries like 10/09/23 Permit and Construction, 09/15/23 Permit and Construction.

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Client: Montclair State University 1 Normal Avenue Montclair, NJ 07043

Project: Bohn Hall - 3rd Floor Community Kitchen Renovation Montclair, NJ 07043 MSU Project No: PR23C006

Drawing Information: Project No: 23.033 Date: 23.033 Drawn By: JDB Checked By: RLD

Sheet Name: ELECTRICAL COVER SHEET

Sheet No:

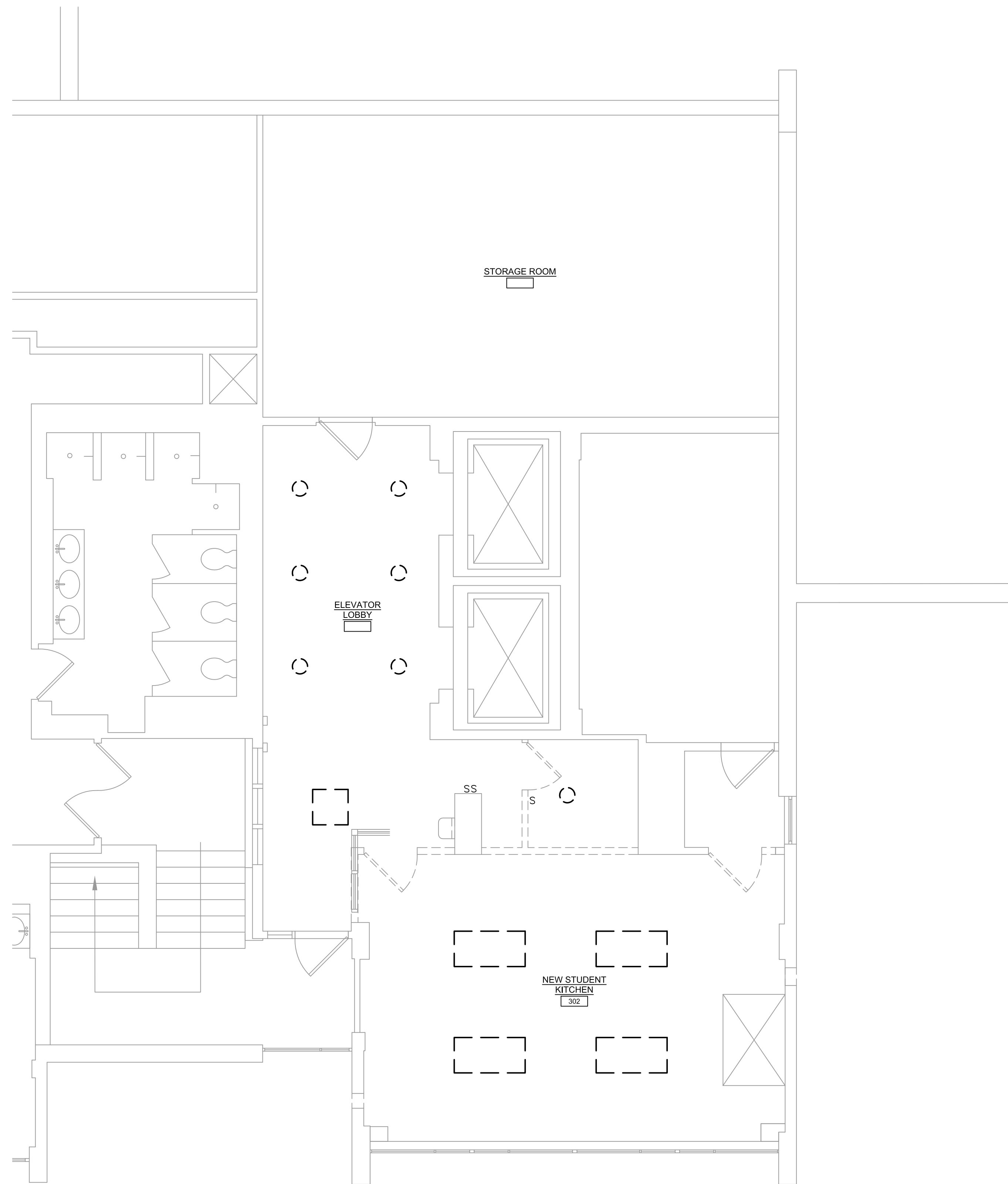
E-001

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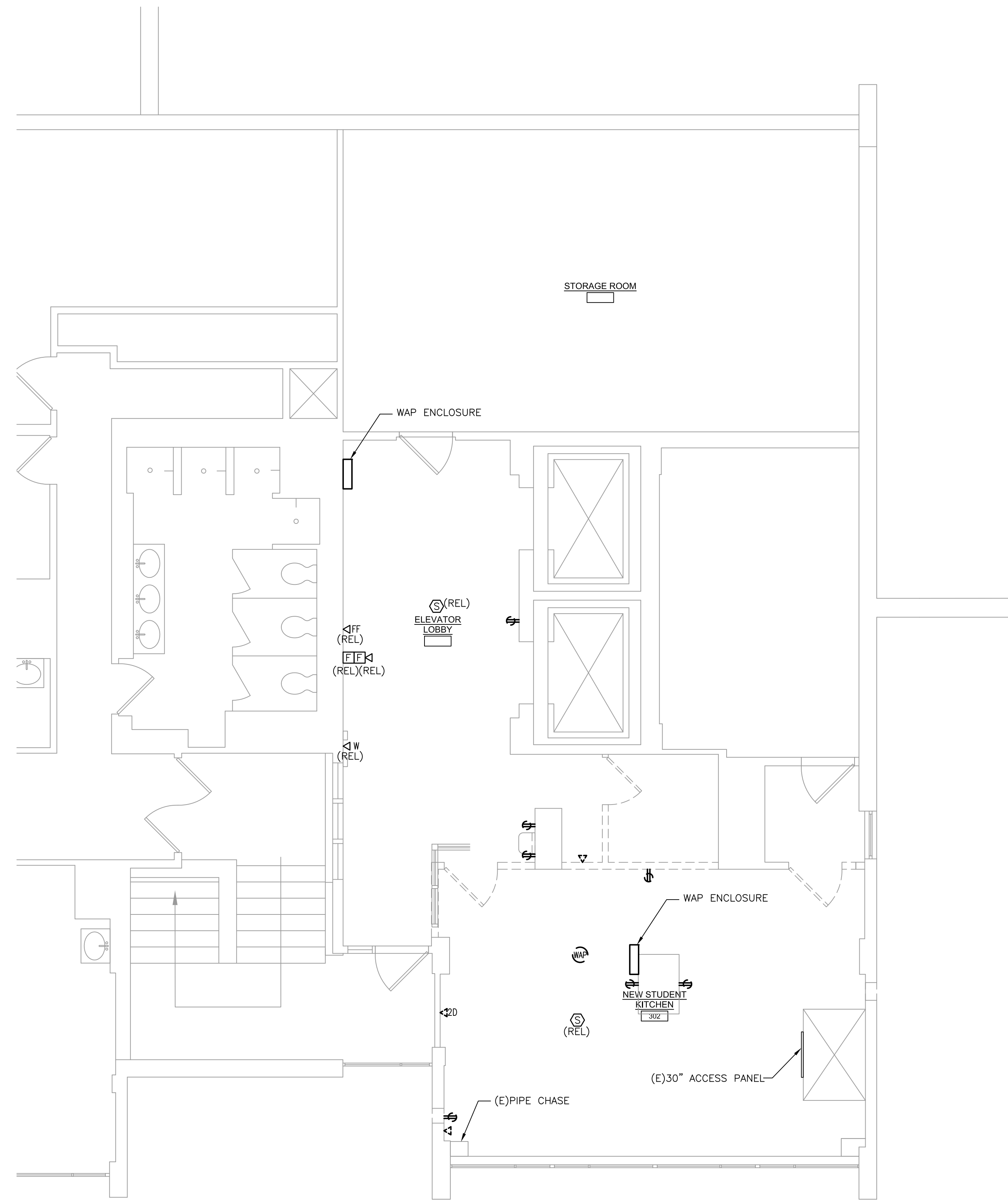
NOTES:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, REFER TO DRAWINGS E-001 & E-002.
2. ALL WORK SHOWN ON THIS DRAWING IS TO BE DEMOLISHED, UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).
3. ALL DEVICES SHOWN TO BE REMOVED AND REINSTALLED (RAR) OR TO BE RELOCATED (REL), SHALL BE PROTECTED AND STORED BY THE CONTRACTOR DURING CONSTRUCTION, AND THEN SHALL BE REINSTALLED AFTER CEILING OR ABOVE CEILING WORK IS COMPLETED.
4. ALL DEVICES SHOWN TO BE DEMOLISHED SHALL HAVE ASSOCIATED WIRING REMOVED BACK TO SOURCE PANEL, UNLESS CONNECTED TO EXISTING-TO-REMAIN DEVICES/EQUIPMENT (NOT ALL DEVICES ARE SHOWN). AS NEEDED, MAINTAIN CIRCUIT INTEGRITY BY RE-WIRING OR MAINTAINING EXISTING WIRING TO KEEP EXISTING DEVICE(S) ACTIVE.
5. CONTRACTOR IS RESPONSIBLE TO REPLACE ANY WIRING NOTED ABOVE, THAT IS DAMAGED OR REMOVED BY THE CONTRACTOR.
6. CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN EXISTING WALLS AFTER DEMOLITION, INCLUDING EXISTING FIRE RATED WALLS, ABOVE AND BELOW CEILING, TO MAINTAIN INTEGRITY OF THE FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.



1 ELECTRICAL DEMOLITION WORK FLOOR PLAN

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



2 ELECTRICAL DEMOLITION WORK FLOOR PLAN

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

No.	Date	Description
12/05/23		RESPONSE TO FM COMMENTS
10/09/23		Permit and Construction
09/15/23		Permit and Construction

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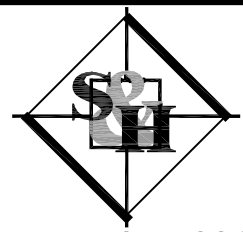
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 Project No: 23.033
 Date: 23.033
 Drawn By: JDS
 Checked By: RLD

Sheet Name:
ELECTRICAL DEMOLITION FLOOR PLANS

Sheet No:

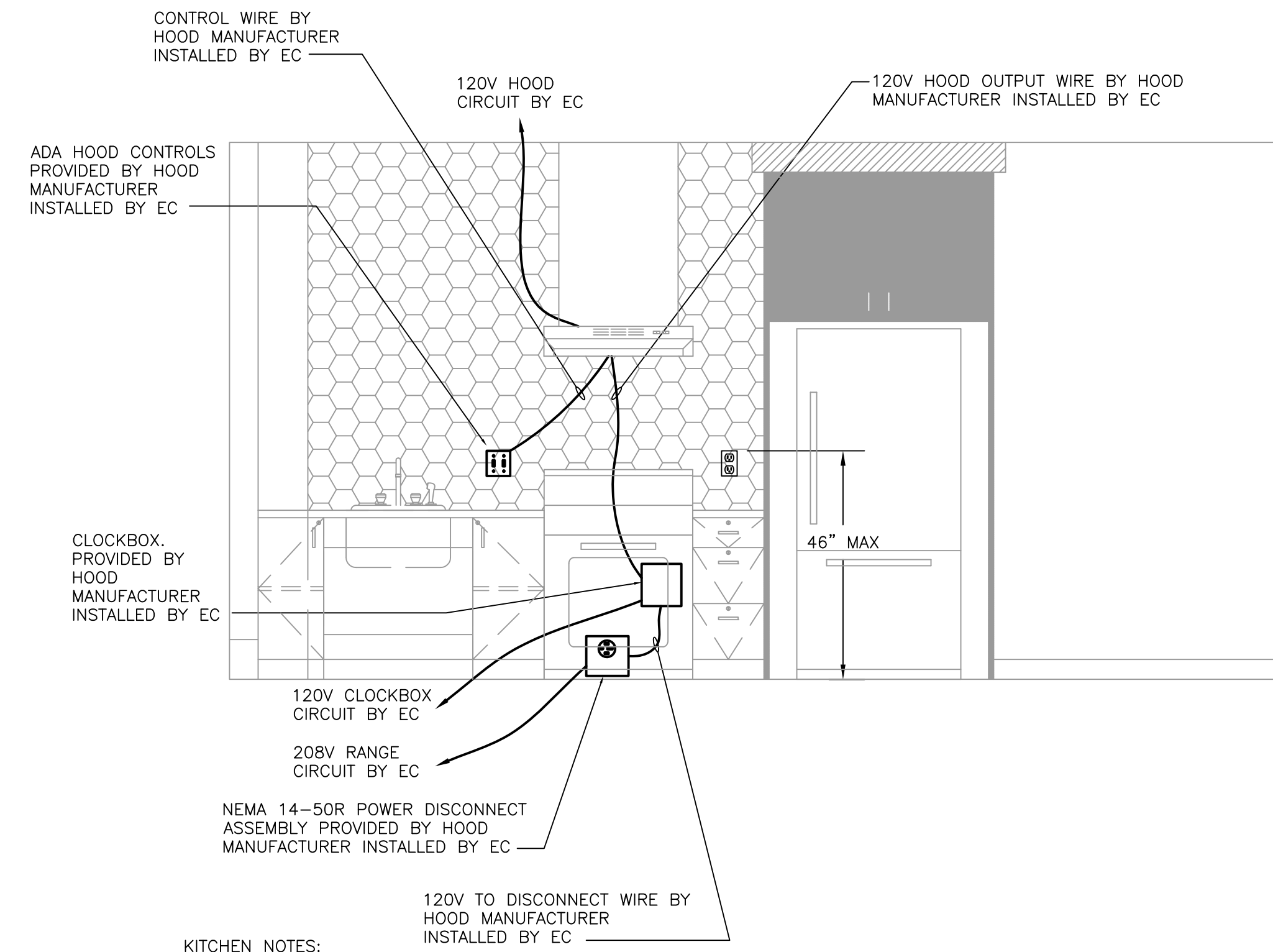
ED-100

M/E/P Engineer:



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 LICENSE NO.: GE45368



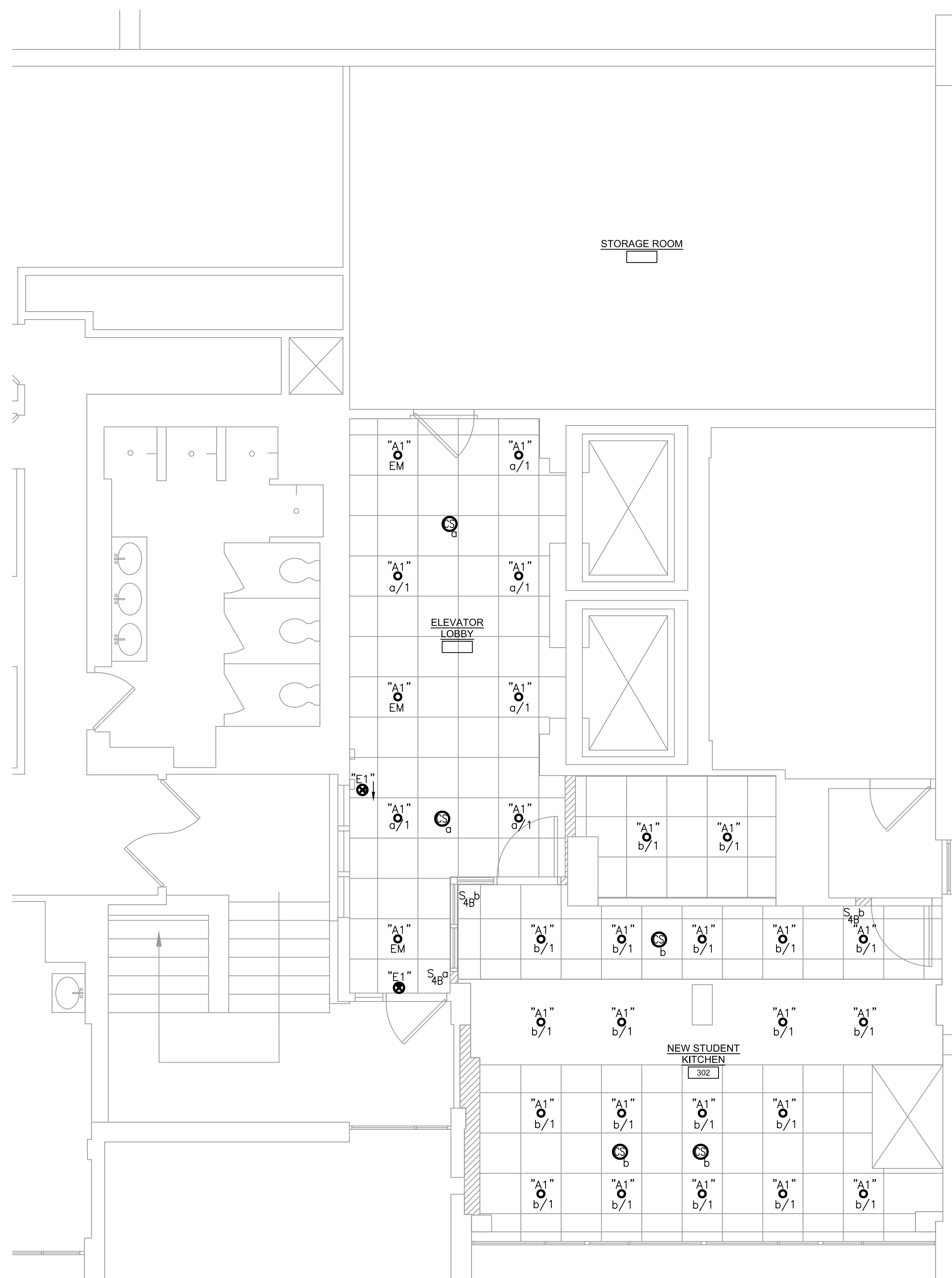
KITCHEN NOTES:

1. THE MAXIMUM HEIGHT FOR ANY ABOVE COUNTER MOUNTED DEVICE IS 46" AFF TO TOP OF DEVICE.
2. THIS WIRING DIAGRAM IS BASED ON A DENLAR HOOD AND IS SUBJECT TO CHANGE OF HOOD MANUFACTURER IS SUBSTITUTED. FOLLOW MANUFACTURER'S INSTALLATION GUIDE AND WIRING DIAGRAMS.
3. PROVIDE ADDRESSABLE MODULE FOR MONITORING HOOD BY FIRE ALARM SYSTEM. CONCEAL DEVICE ABOVE ACCESSIBLE CEILING, AS NO FIRE ALARM DEVICES OR RACEWAYS ARE TO BE INSTALLED ON TILE WALL.

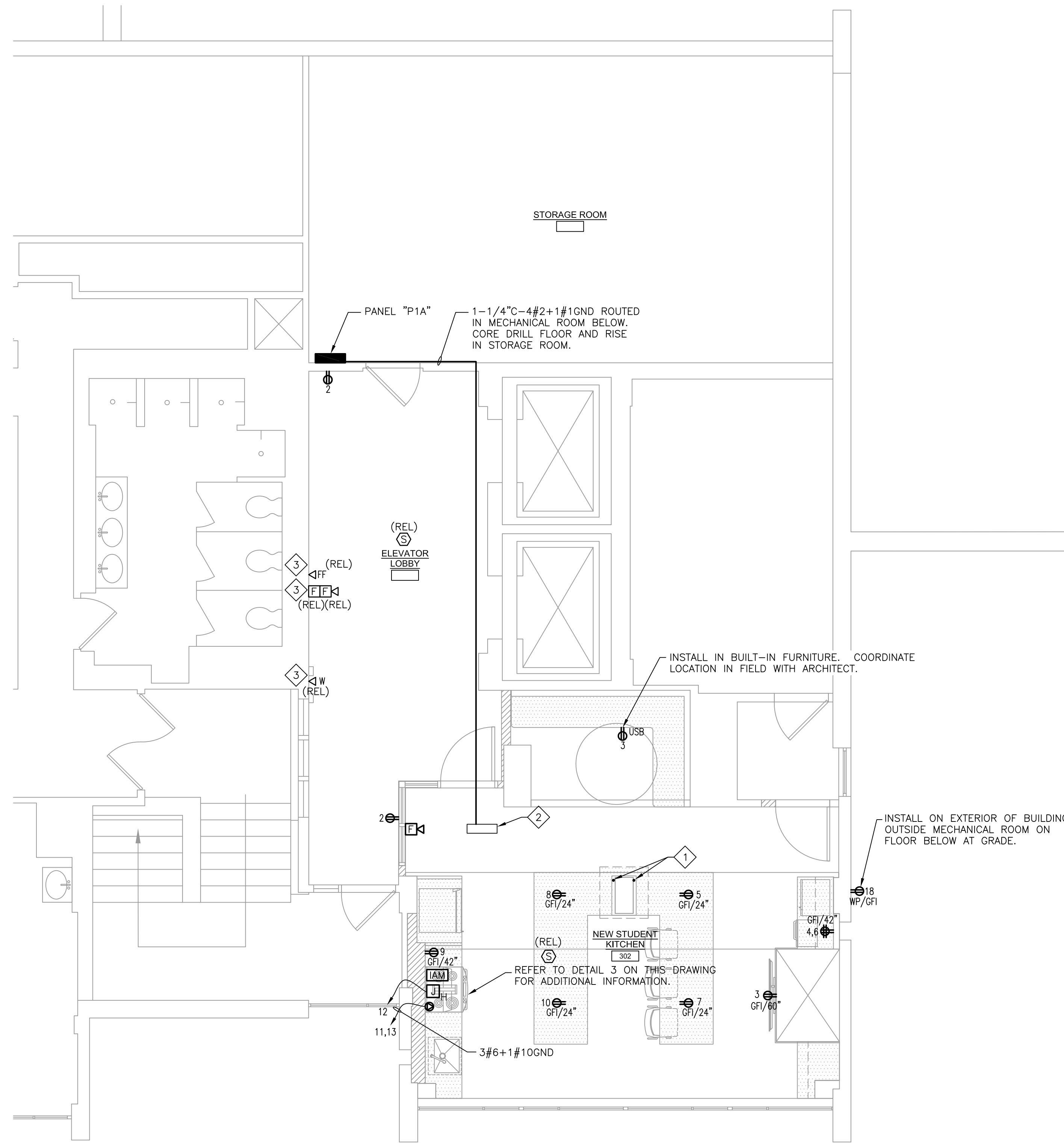
3 TYPICAL HOOD RANGE WIRING DIAGRAM
SCALE: NOT TO SCALE

NOTES:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, REFER TO DRAWINGS E-001 & E-002.
2. ALL WORK SHOWN ON THIS DRAWING IS TO BE NEW WORK, UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).
3. ALL LIGHTING AND POWER SHALL BE WIRED TO PANEL "P1A" UNLESS OTHERWISE NOTED.
4. WIRE EXIT SIGN AND "EM" LABELED TYPE "A1" FIXTURES TO EXISTING NORMAL EMERGENCY LIGHTING CIRCUIT IN SPACE AHEAD OF ANY CONTROL DEVICES.
5. CONTRACTOR SHALL UNIVERSITY'S FIRE ALARM VENDOR TO PROVIDE ALL DEVICES, PROGRAMMING, AND TESTING OF EXISTING NOTIFIER FIRE ALARM PANEL. ALL NEW AND RELOCATED DEVICES SHALL BE TESTED PER NFPA 72 AT COMPLETION OF PROJECT. WIRE ALL NEW NOTIFICATION APPLIANCES WITH METALCLAD MC-FPLP FIRE ALARM CABLE, SIZING AS DETERMINED BY FIRE ALARM MANUFACTURER.
6. PORTIONS OF THE MECHANICAL ROOM ARE 20' TALL WITH A SIGNIFICANT AMOUNT OF EXISTING UTILITIES. THE CONTRACTOR SHALL VISIT THE MECHANICAL ROOM BELOW TO VERIFY EXISTING CONDITIONS BEFORE BIDDING.



1 ELECTRICAL NEW WORK FLOOR PLAN
SCALE: 1/4"=1'-0"



2 ELECTRICAL NEW WORK FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY NOTES:

1. ROUTE MC-CABLE FROM ABOVE CEILING DOWN CHASE ON COLUMN INTO CASEWORK. ROUTE WIRING THROUGH CASEWORK TO MICROWAVE RECEPTACLE LOCATIONS. COORDINATE WITH GC IN FIELD.
2. LOCATION OF EXISTING 400A DISTRIBUTION PANEL IN MECHANICAL ROOM BELOW. PROVIDE NEW 3P-100A SIEMENS TYPE Q12 CIRCUIT BREAKER IN EXISTING SIEMENS TYPE P4 PANEL.
3. COORDINATE FINAL LOCATION WITH DECORATIVE WALL PANELS. REFER TO ARCHITECTURAL PLANS AND WITH GC IN FIELD.

No.	Date	Description
12.05.23	RESPONSE TO FM COMMENTS	
10/09/23	Permit and Construction	
09/15/23	Permit and Construction	

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ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 • T:732.246.6242
2450 W. Hunting Park Ave., Bldg 9 • Philadelphia, PA 19129-1302 • F:215.636.2400

Jeffrey D. Venzon, AIA
NJ RA AI 03827193

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Client:
Montclair State University
1 Normal Avenue
Montclair, NJ 07043

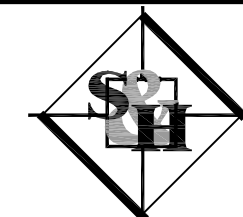
Project:
Bohn Hall - 3rd Floor
Community Kitchen Renovation
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:
Project No: 23.033
Date: 23.033
Drawn By: JDB
Checked By: RLD

Sheet Name:
ELECTRICAL NEW WORK FLOOR PLAN

Sheet No:
E-100

M/E/P Engineer:



SCHILLER AND HERSH ASSOCIATES, INC.
Consulting M/E/P Engineers
636 Skippack Pike, Suite 200
Blue Bell, PA 19422
Certificate of Authorization: 24GA28014000
S&H JOB #2365A

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MECHANICAL EQUIPMENT - ELECTRICAL DATA SCHEDULE									
EQUIPMENT NAME	V-4-Hz	HP/VVA	WIRE AND CONDUIT	CIRCUIT BREAKER	PANEL/CKT #/S	STARTER/ DISCONNECT FURNISHED BY MC, INSTALLED BY EC	STARTER/ DISCONNECT FURNISHED BY EC, INSTALLED BY EC	THERMAL MOTOR SWITCH FURNISHED BY EC, INSTALLED BY EC	REMARKS
CC-1	208-1-60	2MCA	3/4"-2#12-1#12GND.	2P-15A	P1A,14,16	-	CEILING MOUNED	-	
CC-2	208-1-60	2MCA	3/4"-2#12-1#12GND.	2P-15A	P1A,14,16	-	CEILING MOUNED	-	
CC-3	208-1-60	2MCA	3/4"-2#12-1#12GND.	2P-15A	P1A,14,16	-	CEILING MOUNED	-	
IHRU-1	208-1-60	2MCA	3/4"-2#12-1#12GND.	2P-15A	P1A,14,16	-	CEILING MOUNED	-	
OHRU-1	208-1-60	20MCA	3/4"-2#8+1#10GND.	3P-40A	P1A,15,17	-	WALL MOUNTED	-	

REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.

3 MECHANICAL EQUIPMENT WIRING SCHEDULE
NO SCALE

LIGHTING FIXTURE SCHEDULE													
FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	ALTERNATE MANUFACTURERS	VOLTS	LUMENS (WATTS)	LIGHT ENGINE COLOR/HOURS@L70	TYPE	DRIVER	MOUNTING	WARRANTY	REMARKS		
A1	LENDRA BRANDS	NM-RD-XTM19-13LM-35K-88-HE60N-LUNV-DW10-NC-ARC-MC	OR APPROVED EQUAL	120V	1130	15	3500K	60,000	LED	DIMMING 0-10V	RECESSED	5 YEARS	4" ROUND LED RECESSED DOWNLIGHT
E1	EMERGLITE	LX12-NRM-LIA-C	OR APPROVED EQUAL	120/277V	-	1.5	-	-	LED	-	WALL/CEILING	5 YEARS	LED EDGE-UT EXT SIGN, AC-ONLY RECESSED AND UNIVERSAL MOUNT WITH UNIVERSAL FIELD INSTALLED ARROWS. CONTRACTOR SHALL DETERMINE THE NUMBER OF 1 AND 2 FACE SIGNS ON THE PROJECT AND SHALL DETERMINE THE ARROWS BASED ON THE CONTRACT DRAWINGS.

2 LIGHTING FIXTURE SCHEDULE
NO SCALE

PANEL SCHEDULE FOR PANEL "P1A"											
100/208V, 3PH, 4W, 100A BUS, 100A MLO, 22,000 RMS											
CKT NO	CIRCUIT POLE	AMP	REMARKS	A	B	C	A	B	C	SURFACE MOUNTED	
1	1	20	LOBBY & STUDENT KITCHEN LIGHTING	508		360				RECEPTACLES, ELEVATOR LOBBY	
3	1	20	RECEPTACLES, STUDENT KITCHEN 302		360		1600			RECEPTACLE, QUAD, STUDENT KITCHEN 302	
5	1	20	MICROWAVE RECEPTACLE, STUDENT KITCHEN 302			1600			1600	RECEPTACLE, QUAD, STUDENT KITCHEN 303	
7	1	20	MICROWAVE RECEPTACLE, STUDENT KITCHEN 302	1600			1600			MICROWAVE RECEPTACLE, STUDENT KITCHEN 302	
9	1	20	REFRIGERATOR RECEPTACLE, STUDENT KITCHEN 302		1600			1600		MICROWAVE RECEPTACLE, STUDENT KITCHEN 302	
11	1	20	REFRIGERATOR RECEPTACLE, STUDENT KITCHEN 302		1600			1600		MICROWAVE RECEPTACLE, STUDENT KITCHEN 302	
13	2	50	RANGE RECEPTACLE, NEW STUDENT KITCHEN ROOM 302	4800		480		500		RANGE HOOD & CONTROLS, STUDENT KITCHEN	
15	2	40	CU-1	3048		480				CC-1, CC-2, CC-3, IHRU-1	
17	2	40	CU-1	3048		480				RECEPTACLE, OUTDOOR GFIBY CU-1	
19	1	20	SPARE	0		0				SPARE	
21	1	20	SPARE	0		0				SPARE	
23	1	20	SPARE	0		0		0		SPARE	
25	1	20	SPARE	0		0		0		SPARE	
27	1	-	SPACE	0		0		0		SPACE	
29	1	-	SPACE	0		0		0		SPACE	
31	1	-	SPACE	0		0		0		SPACE	
33	1	-	SPACE	0		0		0		SPACE	
35	1	-	SPACE	0		0		0		SPACE	
37	1	-	SPACE	0		0		0		SPACE	
39	1	-	SPACE	0		0		0		SPACE	
41	1	-	SPACE	0		0		0		SPACE	
				6906	5008	9448	2440	3680	2580		
				PHASE A: 9.35 kVA							
				PHASE B: 8.69 kVA							
				PHASE C: 12.03 kVA							
				TOTAL: 30.06 kVA							

1 ELECTRICAL PANEL SCHEDULE
NO SCALE

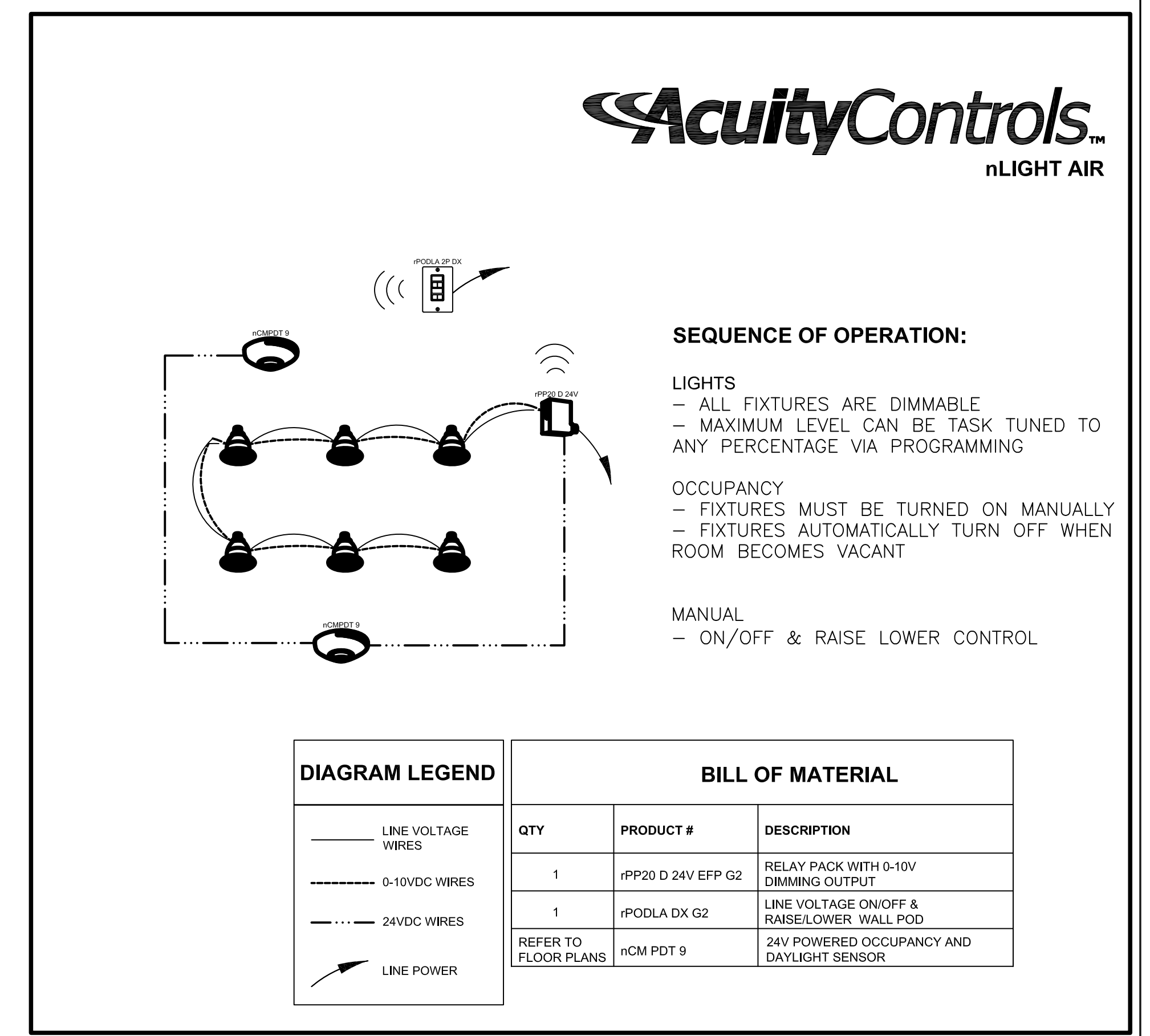
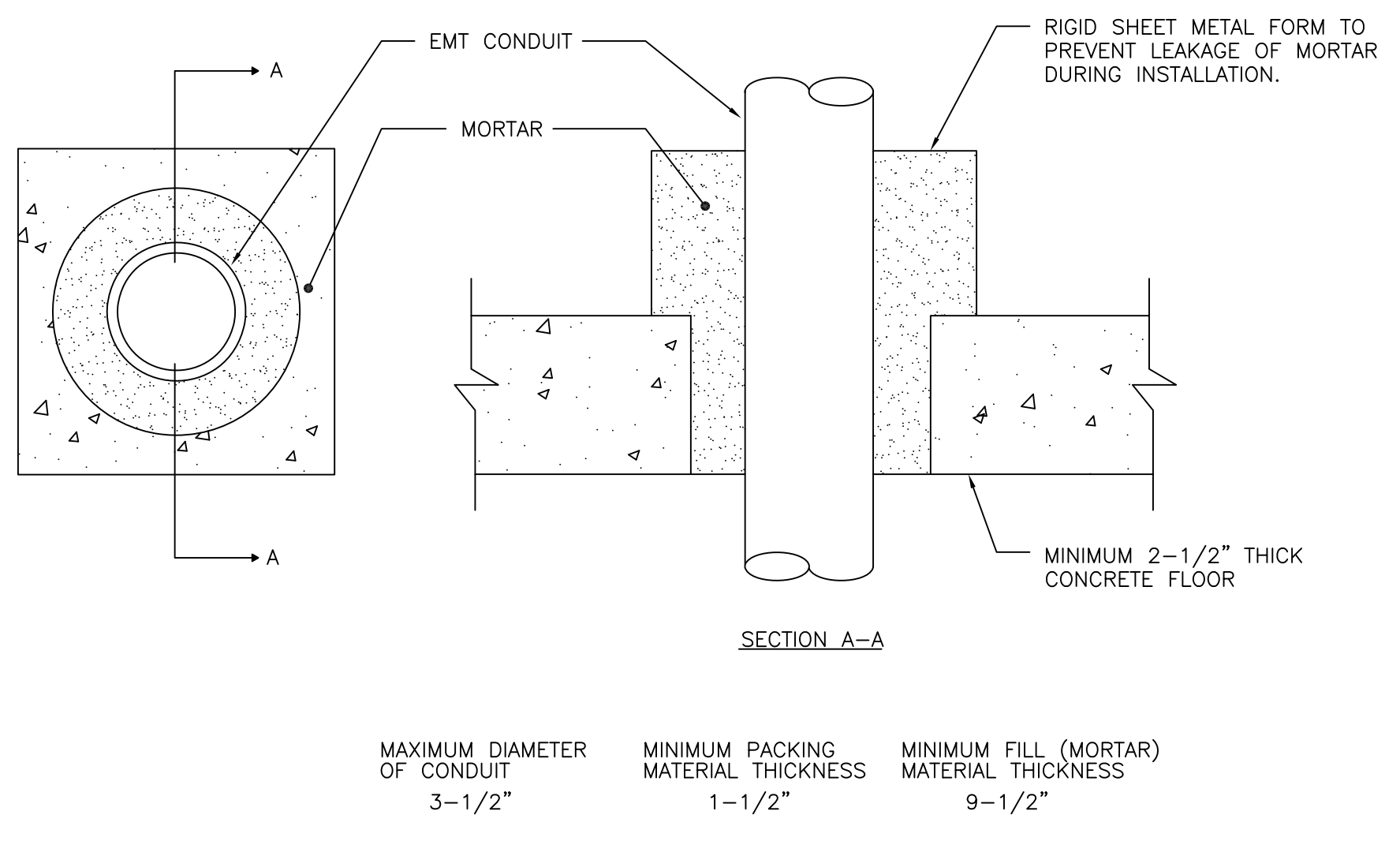


DIAGRAM LEGEND		BILL OF MATERIAL	
—	LINE VOLTAGE WIRES	QTY	PRODUCT #
---	0-10VDC WIRES	1	IPP20 D 24V EFP G2
---	24VDC WIRES	1	IPDOLA DX G2
→	LINE POWER	REFER TO FLOOR PLANS	
		DESCRIPTION	
		RELAY PACK WITH 0-10V DIMMING OUTPUT	
		LINE VOLTAGE ON/OFF & RAISE/LOWER WALL POD	
		24V POWERED OCCUPANCY AND DAYLIGHT SENSOR	

5 TYPICAL LIGHTING CONTROL DIAGRAM
NO SCALE



4 THROUGH FLOOR PENETRATION FIRESTOP SYSTEMS SYSTEM
No. C-AJ-1303 F-RATING 2 HR. & T-RATING 2 HR.
NO SCALE

No.	Date	Description
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09/15/23	09/15/23	Permit and Construction
		Permit and Construction
		Revisions / Issues

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E-200