

BLUE GRASS AIRPORT CUSTOMS FACILITY RENOVATION

FOR
BLUE GRASS AIRPORT
4000 TERMINAL DRIVE
LEXINGTON, KENTUCKY

OCTOBER 20, 2017
CONSTRUCTION DOCUMENTS

SPECIAL INSPECTIONS PER CHAPTER 17 OF THE KY. BUILDING CODE

IN ADDITION TO OTHER TESTS AND INSPECTIONS REQUIRED TO BE PROVIDED BY THE CONTRACTOR IN THE SPECIFICATIONS, THE OWNER SHALL PROVIDE THE SERVICES OF QUALIFIED THIRD-PARTY INSPECTORS TO PERFORM ALL REQUIRED SPECIAL INSPECTIONS AS FOLLOWS: (INTERIOR RENOVATION; NONE REQUIRED)

SECTION	ITEM	REQUIRED?		REMARKS
		YES	NO	
1704.2.5	FABRICATORS	___	<u>X</u>	NONE
1704.5.1	STRUCTURAL OBSERVATION FOR SEISMIC REQUIREMENTS	___	<u>X</u>	SEISMIC DESIGN CATEGORY "C"
1704.5.2	STRUCTURAL OBSERVATION FOR WIND REQUIREMENTS	___	<u>X</u>	Wind = 89 MPH
1705.2	STEEL	___	<u>X</u>	NONE
1705.3	CONCRETE	___	<u>X</u>	NONE
1705.4	MASONRY	___	<u>X</u>	NONE
1705.5	WOOD	___	<u>X</u>	NONE
1705.6	SOILS	___	<u>X</u>	N/A
1705.7	DRIVEN DEEP FOUNDATIONS	___	<u>X</u>	NONE
1705.8	CAST IN PLACE DEEP FOUNDATIONS	___	<u>X</u>	NONE
1705.9	HELICAL PILE FOUNDATION	___	<u>X</u>	NONE
1705.10.1	WIND - STRUCTURAL WOOD	___	<u>X</u>	NONE
1705.10.2	WIND - COLD FORMED STEEL FRAMING	___	<u>X</u>	NONE
1705.10.3	WIND - WIND RESISTING COMPONENTS	___	<u>X</u>	NONE
1705.11.1	SEISMIC - STRUCTURAL STEEL	___	<u>X</u>	NONE
1705.11.2	SEISMIC - STRUCTURAL WOOD	___	<u>X</u>	NONE
1705.11.3	SEISMIC - COLD FORMED STEEL FRAMING	___	<u>X</u>	NONE
1705.11.4	DESIGNATED SEISMIC SYSTEMS	___	<u>X</u>	NONE
1705.11.5	SEISMIC - ARCHITECTURAL COMPONENTS: INTERIOR/EXTERIOR NON-LOAD BEARING WALLS AND VENEER IN STRUCTURES	___	<u>X</u>	SEISMIC DESIGN CATEGORY "C"
1705.11.6	SEISMIC - MECHANICAL AND ELECTRICAL COMPONENTS	___	<u>X</u>	SEISMIC DESIGN CATEGORY "C"
1705.11.7	SEISMIC - STORAGE RACKS AND ACCESS FLOORS	___	<u>X</u>	ALL LESS THAN 8'-0" IN HEIGHT
1705.13	SPRAYED FIREPROOFING	___	<u>X</u>	NONE
1705.14	FIREPROOFING	___	<u>X</u>	NONE
1705.15	EFS	___	<u>X</u>	NONE
1705.16	FIRE RESISTANT PENETRATIONS & JOINTS	___	<u>X</u>	NONE
1705.17	SMOKE CONTROL	___	<u>X</u>	NONE

DRAWING INDEX

ARCHITECTURAL

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A1.2 DOOR SCHEDULE, DOOR AND FRAME ELEVATIONS, CEILING PLAN AND DETAILS

A1.3 SIGNAGE SCHEDULE AND ELEVATIONS AND CASEWORK DETAILS

PLUMBING

P1.0 PLUMBING LEGEND

P2.0 PLUMBING - FIRST FLOOR

MECHANICAL

M1.0 MECHANICAL LEGEND

M2.0 DEMOLITION - FIRST FLOOR AIR DISTRIBUTION

M3.0 AIR DISTRIBUTION - FIRST FLOOR

ELECTRICAL

E1.0 ELECTRICAL LEGEND

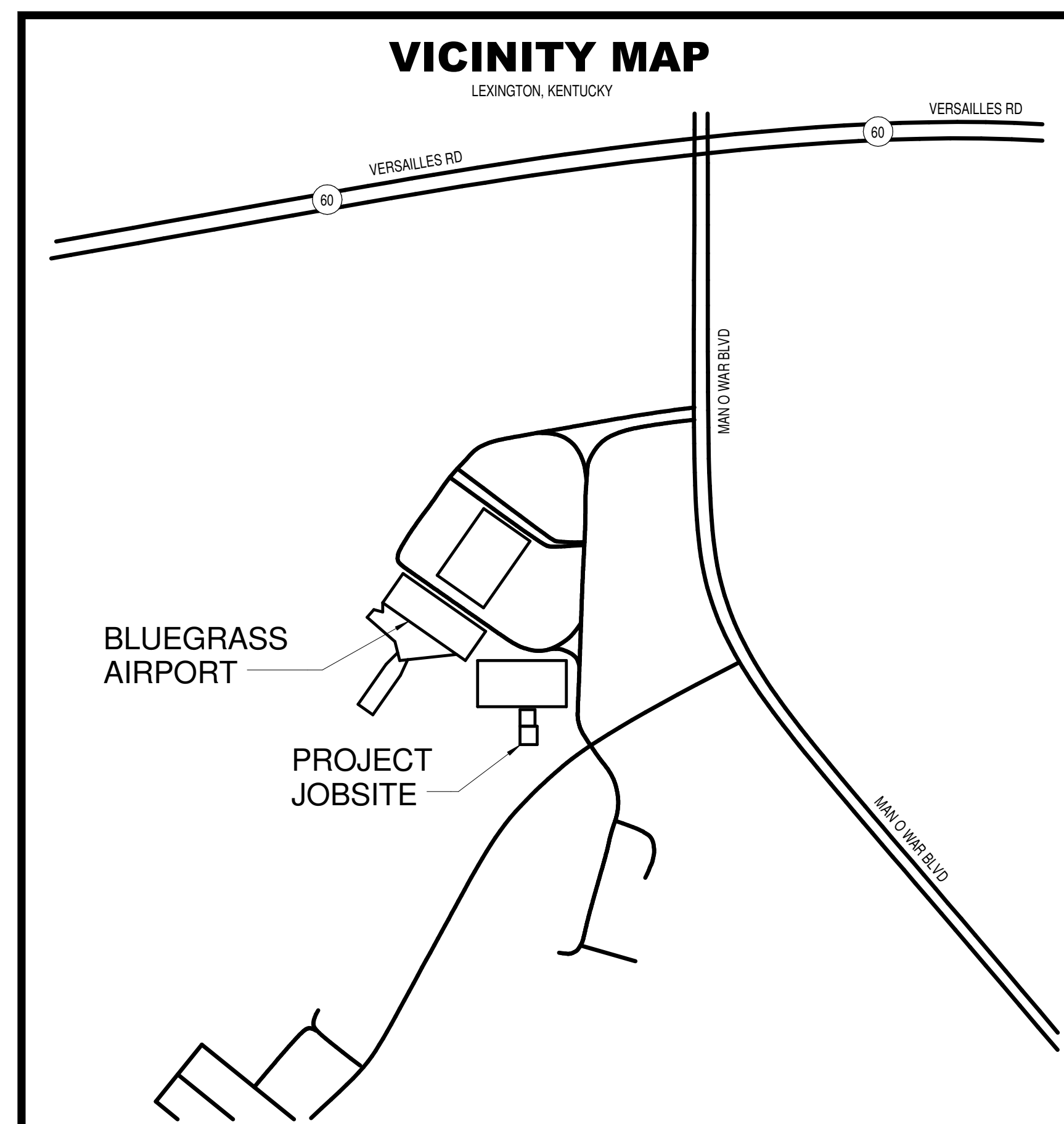
E2.0 DEMOLITION - FIRST FLOOR ELECTRICAL


E3.0 LIGHTING - FIRST FLOOR

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E5.0 SYSTEMS - FIRST FLOOR

E6.0 PANEL/FIXTURE SCHEDULES





**SHERMAN
 CARTER
 BARNHART**
 ARCHITECTS

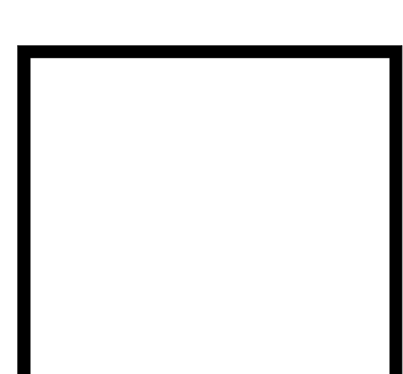
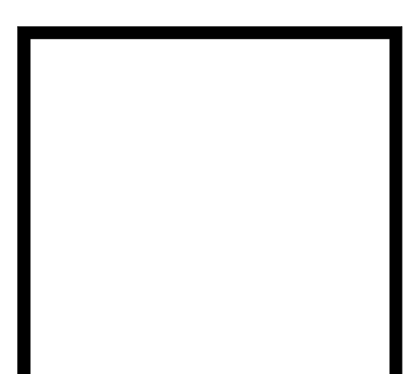
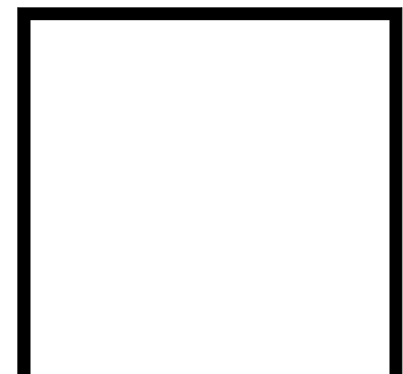
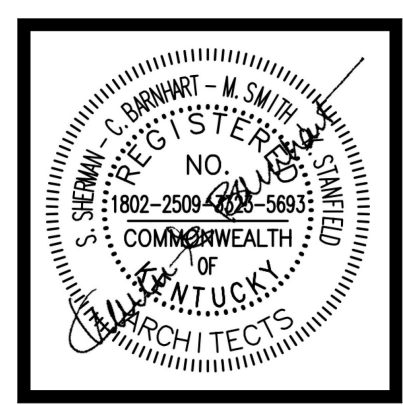
**SHERMAN CARTER BARNHART
 ARCHITECTS, PLLC**

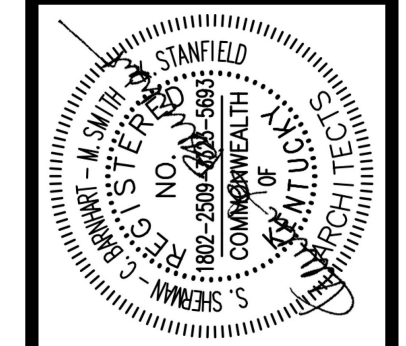
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ABBREVIATIONS

A	AT ANCHOR BOLT AB LAMINATE AC AND ACG AIR CONDITIONING ACU ACUOUS ACT ACTUAL ADA AMERICANS WITH DISABILITIES ADJ. ADJUST, ADJUSTABLE ADH. ADHESIVE A.F.F. ABOVE FINISH FLOOR AGG. AGGREGATE AHU AIR HANDLING UNIT ALUM. ALUMINUM ANCH. ANCHOR AP ACCESS PANEL APPROX. APPROXIMATE ASSY ASSEMBLY AUTO AUTOMATIC	L LAM LAMINATE LF LINEAR LH LEFT HAND LJV LEFT VERTICAL LOC LOCATION LT LIGHT LTWT LIGHTWEIGHT	M MAS. MASONRY MATL. MATERIAL MAX. MAXIMUM MB MARKER BOARD MC MISCELLANEOUS CHANNEL MOO MEDIUM DENSITY OVERLAY MECH. MECHANICAL MED. MEDIUM, MEDICINE MTL. METAL MFR. MANUFACTURER MH MANHOLE MIN. MINIMUM, MINUTE MISC. MISCELLANEOUS ML & P METAL LATH AND PLASTER M.O. MASONRY OPENING MOUNT. MOUNTED MTD. MOUNTING MULL. MULLION	N NA NOT APPLICABLE NEQ. NET NIC NOT IN CONTRACT NO. OR # NUMBER NOM. NOMINAL NTS NOT TO SCALE	O O.C. ON CENTER O.D. OUTSIDE DIAMETER O.F. OUTSIDE FACE OFI OWNER FURNISHED AND INSTALLED OF-CI OWNER FURNISHED, CONTRACTOR INSTALLED O.H. OPPOSITE HAND OH OVERHEAD OPNG. OPENING OPP. OPPOSITE	P PART. PARTITION PART. BD. PARTITION BOARD PASS. PASSAGE PC PRECAST PCC POLYMER CONCRETE PERF. PREFABRICATED PERIM. PERIMETER PERP. PERPENDICULAR PF CMU PREFABRICATED CONC. MAS. UNIT PH PLASTER PLAS. PLASTER PLUMB. PLUMBING PLYWOOD. PLYWOOD POL. POLISHED POLY CARB POLYCARBONATE SHEET PREFAB. PREFABRICATED PROJ. PROJECT, PROJECTED PR. PAIR PSMB PENICIL SHARPENER BLOCK P.T. PRESSURE TREATED PVC POLYVINYL CHLORIDE PVM PAVEMENT PVG POLISHED WIRE GLASS +/- PLUS OR MINUS	Q Q.T. QUARRY TILE	R R. RISER, RADIUS R. OR RAD. RADIUS RCF REINFORCED CONCRETE PIPE RD ROOF DRAIN REBAR REINFORCING BAR RECIRC. RECIRCULATE REF. REFERENCE, REFER REF. REFRIGERATOR REINF. REINFORCE, REINFORCED, REINFORCING REQ'D. REQUIRED RET. RETAINING, RETURN RESIL. RESILIENT RH. RIGHT HAND, ROUND HEAD R.O. ROUGH OPENING ROW OR RW RIGHT OF WAY RRT. RAISED RADIAL TILE	S SC SOLID CORE SCHD. SCHEDULE SECT. SECTION SEP. SEPARATE, SEPARATION SQ. SQUARE FEET, SAND FILL SHT. SHEATHING SHT. SHEET SIM. SIMILAR S.M. SHEET METAL SPA SPACE(S) SPEC(S). SPECIFICATIONS SPM SINGLE-PLY MEMBRANE SQ. SQUARE S.S. STAINLESS STEEL STA. STATION STD. STANDARD STL. STEEL STOR. STORAGE STRUC. STRUCTURAL SUSP. SUSPENDED SYMM. SYMMETRICAL	T T. TREAD, THICK TACKBOARD TC TOP OF CURB TCE TOP OF CURB ELEVATION TDS TURNED DOWN SLAB TEL. TELEPHONE TFE TOP OF FOOTING ELEVATION T & G TONGUE AND GROOVE THK. THICK, THICKNESS THRESH. THRESHOLD T.O. TOP OF TOC TOP OF CONCRETE TOIL TOILET TOM TOP OF MASONRY TOS TOP OF STEEL TS TACK STRIP STRUC. STRUCTURAL STEEL TUBING TOP OF WALL TYP. TYPICAL	U UG UNDERGROUND UL UNDERWRITERS LABORATORY UNFINISHED UNFIN. UNFINISHED U.N.O. UNLESS NOTED OTHERWISE	V VAC. VACUUM VB VAPOR BARRIER VCT VINYL COMPOSITION TILE VERT. VERTICAL V.I.F. VERIFY IN FIELD	W W. WIDE W.R. WATER RESISTANT WWF WELDED WIRE FABRIC	X X. BY	Y YD. YARD
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ROOM FINISH GROUPS

GENERAL NOTES:
1. WHERE MORE THAN ONE FINISH IS LISTED REFER TO PLANS, SECTIONS, AND DETAILS.
2. REFER TO TYPICAL BASE DETAIL, THIS SHEET.
3. REFER TO TYPICAL FLOOR TRANSITION / THRESHOLD DETAILS, SHEET A1.2.
4. REFER TO REFLECTED CEILING PLAN, SHEETS A1.2 FOR CEILING INFORMATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AT CEILINGS.

1	FLOOR: WALLS: BASE: CEILING:	ANTI-STATIC RESILIENT TILE GYPSUM BOARD (PAINT) 4" RESILIENT COVE BASE GYPSUM BOARD CEILING (PAINT) ON SUSPENDED METAL FRAMING WITH 9 GAUGE EXPANDED METAL REINFORCING
2	FLOOR: WALLS: BASE: CEILING:	RESILIENT TILE GYPSUM BOARD (PAINT) 4" RESILIENT COVE BASE GYPSUM BOARD CEILING (PAINT) ON SUSPENDED METAL FRAMING WITH 9 GAUGE EXPANDED METAL REINFORCING AT DETENTION CORRIDOR 103
3	FLOOR: WALLS: BASE: CEILING:	RESILIENT TILE GYPSUM BOARD (PAINT) 4" RESILIENT COVE BASE SUSPENDED ACOUSTICAL TILE
4	FLOOR: WALLS: BASE: CEILING:	ANTI-STATIC RESILIENT TILE GYPSUM BOARD (PAINT) 4" RESILIENT BASE SUSPENDED ACOUSTICAL TILE
5	FLOOR: WALLS: BASE: CEILING:	EPOXY RESIN GYPSUM BOARD (PAINT) 4" EPOXY RESIN GYPSUM BOARD CEILING (PAINT) ON SUSPENDED METAL FRAMING WITH 9 GAUGE METAL REINFORCING
6	FLOOR: WALLS: BASE: CEILING:	CARPET TILE GYPSUM BOARD (PAINT) 4" RESILIENT BASE SUSPENDED ACOUSTICAL TILE
7	FLOOR: WALLS: BASE: CEILING:	EPOXY RESIN GYPSUM BOARD (PAINT) 4" EPOXY RESIN SUSPENDED ACOUSTICAL TILE
8	FLOOR: WALLS: BASE: CEILING:	CARPET TILE GYPSUM BOARD (PAINT) 4" RESILIENT BASE GYPSUM BOARD CEILING (PAINT) 4" EPOXY RESIN EXPANDED METAL REINFORCING

PARTITION TYPE GENERAL NOTES

P1 [Symbol] PARTITION TYPE. REFER TO SCHEDULE, THIS SHEET. ALL WALLS TO BE EXTENDED FULL HEIGHT TO UNDERSIDE OF EXISTING ROOF INSULATION ABOVE. U.N.O. REFER TO TYPICAL DETAIL 1194.2.

P2 [Symbol] INDICATES HEIGHT A.F.F. OF SCHEDULED WALL.

P3 ALL INTERIOR GYPSUM PARTITIONS SHALL HAVE 5/8" FIBER REINFORCED GYPSUM BOARD TO A HEIGHT OF 8' 0" A.F.F. WITH REGULAR 5/8" GYP. BD. ABOVE. FIBER REINFORCED GYPSUM BOARD MAY BE USED FULL HEIGHT AT CONTRACTOR'S OPTION.

P4 ALL DIMENSIONS ARE TO FACE OF STUDS OR TO CENTERLINE OF STRUCTURAL STEEL, UNLESS NOTED OTHERWISE.

P5 INTERIOR GYPSUM BOARD EXPOSED TO VIEW SHALL BE PAINTED UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH GROUPS.

P6 REFER TO ROOM FINISH GROUPS FOR BASE CONDITION.

P7 REFER TO PARTITION DETAILS ON SHEET A1.2 FOR SPECIFIC CONNECTION AND ATTACHMENT BRACING OF NON-LOAD BEARING INTERIOR PARTITION WALL TO STRUCTURE/DECK ABOVE.

P8 WHERE GYPSUM ASSEMBLIES ARE SPECIFIED AT MET WALL LOCATIONS, WATER RESISTANT GYPSUM BOARD TO BE INSTALLED.

GENERAL DEMOLITION NOTES

- DEMOLITION REFERENCE NOTES FOR THIS PROJECT ARE INTENDED TO GENERALLY IDENTIFY THE SELECTIVE REMOVAL OF EXISTING ITEMS AT LOCATIONS WHERE REQUIRED. BUT, SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR EXAMINING AND VERIFYING THE FULL EXTENT OF EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT.
- THE INTENT OF THE DEMOLITION NOTES IS TO PROVIDE A GENERAL OUTLINE FOR THE CONTRACTOR OF ITEMS TO BE REMOVED AND TO ALLOW FOR THE NEW CONSTRUCTION AS OUTLINED ELSEWHERE IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL OF ITEMS TO ALLOW FOR NEW CONSTRUCTION SHOWN OR NOT SHOWN ON DEMOLITION PLANS AS MAY BE REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING AND REPAIRING DUE TO DEMOLITION AND/OR REMOVAL OF EQUIPMENT TO CREATE A FLUSH, SMOOTH SURFACE PROPERLY PREPARED TO RECEIVE NEW FINISHES AS INDICATED.
- WALLS AND SPACES BETWEEN EXTERIOR FINISHES OR PARTIALLY REMOVED WALLS/ROOFS, ETC. SHALL BE PROTECTED FROM EXPOSURE TO WEATHER BY THE CONTRACTOR. WALLS/ROOFS, ETC. SHALL BE PROTECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGED WALLS, ROOFS, EQUIPMENT, ETC. CAUSED BY THIS DEMOLITION OR WEATHER EXPOSURE OF ITEMS THAT ARE TO REMAIN.
- THE OWNER SHALL REMOVE AND ABATE ANY HAZARDOUS MATERIALS ENCOUNTERED. CONTRACTOR TO COORDINATE REMOVAL WITH OWNER.
- REFER TO MECHANICAL AND/OR ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS PERTAINING TO THE REMOVAL, RELOCATION AND/OR MODIFICATION OF ITEMS RELATED TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS.
- SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIALS DURING SELECTIVE DEMOLITION AND NEW WORK WHICH ARE SUSPECTED BY THE CONTRACTOR TO BE OF AN UNKNOWN OR QUESTIONABLE COMPOSITION WITH RESPECT TO CONTAINING CONTAMINANTS WHICH MAY BE HAZARDOUS TO HUMAN HEALTH, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF SUCH FINDINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOLISHED MATERIALS. ALL REMOVED MATERIALS SHALL BE LEGALLY DISPOSED OF, UNLESS NOTED AS SALVAGED OR RETURNED TO OWNER.
- INFORMATION AND DRAWINGS INCLUDED IN THESE CONTRACT DOCUMENTS PERTAINING TO EXISTING CONSTRUCTION HAVE BEEN OBTAINED FROM FIELD INVESTIGATIONS. THIS INFORMATION IS INCLUDED HEREIN WITH THE INTENT TO PROVIDE THE CONTRACTOR WITH A BASIC UNDERSTANDING OF EXISTING CONDITIONS. ACTUAL CONDITIONS AND DIMENSIONS MAY VARY FROM THOSE INDICATED AND REQUIRE FIELD VERIFICATION.
- MULTIPLE AREAS IN THE EXISTING BUILDING WILL HAVE MPE WORK AND REQUIRE SELECTIVE DEMOLITION. COORDINATE DEMOLITION WITH ME DOCUMENTS.
- REFER TO MPE DRAWINGS FOR NEW WORK WHICH MAY REQUIRE DEMOLITION WORK IN ADDITION TO ITEMS NOTED ON THE ARCHITECTURAL DRAWINGS. ALL SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, MEASURES, ETC. REQUIRED TO COLLECT/DIVERT RAIN WATER FROM BUILDING AND ROOF DURING DEMOLITION AND INSTALLATION OF NEW WORK.
- GENERAL CONTRACTOR TO DEMOLISH ALL LIGHTS PER ELECTRICAL DRAWINGS. MERCURY LIGHTS AND PCB LADEN BALLAST ARE TO BE DISPOSED OF PROPERLY INTO AN EPA APPROVED LANDFILL.
- SELECTIVELY DEMOLISH EXISTING CONCRETE SLABS REQUIRED FOR INSTALLATION OF SYSTEMS AND UTILITIES ETC. REFER TO ARCHITECTURAL AND MPE DRAWINGS.

HAZARDOUS MATERIALS NOTES

- IN THE EXISTING BUILDING, IT IS POSSIBLE HAZARDOUS MATERIALS MAY EXIST, INCLUDING, BUT NOT LIMITED TO ASBESTOS PRODUCTS, POLYCHLORINATED BI-PHENYL (PCB) AND OTHER TOXIC SUBSTANCES. IF ANY WORK PERSON ENCOUNTERS ANY MATERIAL WHICH THEY SUSPECT MIGHT BE HAZARDOUS OR TOXIC, THEY SHALL IMMEDIATELY ADVISE THE OWNER. THE CONTRACTOR SHALL TAKE IMMEDIATE AND APPROPRIATE ACTION TO PROTECT THE BUILDING USERS AND WORKERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS. THE ARCHITECT AND ARCHITECTS CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BI-PHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
- THE CONTRACTOR IS HEREBY ADVISED THAT SHERMAN-CARTER-BARNHART, PLLC IS NOT A DESIGN PROFESSIONAL IN THE DETERMINATION OF THE PRESENCE OF HAZARDOUS MATERIALS. NOR IS SHERMAN-CARTER-BARNHART, PLLC A DESIGN PROFESSIONAL IN MAKING RECOMMENDATIONS REGARDING THE TESTING, REMOVAL, ENCAPSULATION OR OTHER CORRECTIVE MEASURES PERTAINING TO HAZARDOUS MATERIALS.
- IF THE WORK WHICH IS TO BE PERFORMED UNDER THE CONTRACT INTERFACES IN ANY WAY WITH THE EXISTING COMPONENTS WHICH CONTAIN HAZARDOUS MATERIALS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER REGARDING THE PROPER MEANS AND METHODS TO BE UTILIZED IN DEALING WITH HAZARDOUS MATERIALS.
- BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR HEREBY AGREES TO BRING NO CLAIM FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY OR OTHERWISE AGAINST THE ARCHITECT, HIS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS IF SUCH A CLAIM IN ANY WAY WOULD INVOLVE THE INVESTIGATION AND/OR REMEDIAL WORK RELATED TO HAZARDOUS MATERIALS IN THE PROJECT.
- BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE ARCHITECT, HIS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH ASBESTOS OR OTHER HAZARDOUS MATERIALS RELATED CLAIMS THAT MAY BE BROUGHT BY THE CONTRACTOR'S SUBCONTRACTORS, SUPPLIERS OR OTHER THIRD PARTIES WHO MAY BE ACTING UNDER THE DIRECTION OF THE CONTRACTOR PURSUANT TO THIS CONTRACT.

WALL PARTITION SCHEDULE

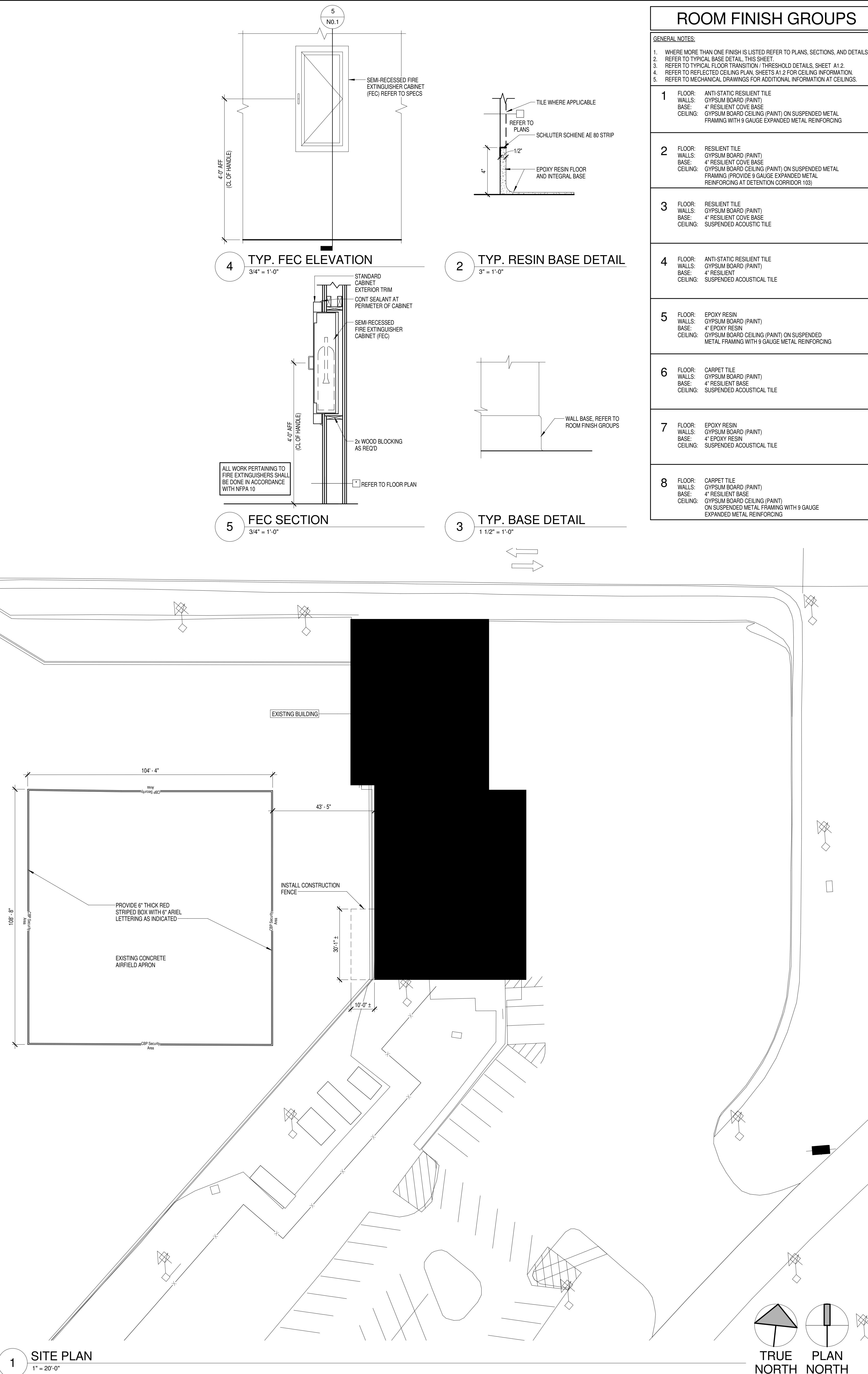
1	[Symbol]	STC 50	5/8" GYPSUM BOARD / 3.5" METAL STUDS @ 16" O.C. / 1/2" MINERAL WOOL BATT INSULATION / 1/2" GYPSUM BOARD / 1/2" GYPSUM BOARD
2	[Symbol]	STC 45	5/8" GYPSUM BOARD / 3.5" METAL STUDS @ 16" O.C. / 1/2" MINERAL WOOL BATT INSULATION / 5/8" GYPSUM BOARD
1A	[Symbol]	SAME AS TYPE 1 WITH 9 GAUGE EXPANDED METAL REINFORCING BEHIND THE 5/8" GYPSUM BOARD	
2A	[Symbol]	SAME AS TYPE 2 OMIT INSULATION	
3	[Symbol]	ADJACENT WALL SUBSTRATE	5/8" GYPSUM BOARD / 1 1/2" FURRING CHANNELS @ 24" O.C. VERT.
3A	[Symbol]	9 GAUGE EXPANDED METAL REINFORCING	5/8" GYPSUM BOARD / 1 1/2" FURRING CHANNELS @ 24" O.C. VERT. / 8" METAL STUDS @ 16" O.C. / 8" MINERAL WOOL BATT INSULATION WITH CROSS TIES TO HOLD INSULATION. EXTERIOR METAL FINISH PANEL
3B	[Symbol]	5/8" GYPSUM BOARD / 1 1/2" FURRING CHANNELS @ 24" O.C. VERT.	
4	[Symbol]	8" METAL STUDS @ 16" O.C. / 8" MINERAL WOOL BATT INSULATION WITH CROSS TIES TO HOLD INSULATION. EXTERIOR METAL FINISH PANEL	

GENERAL NOTES

- (NIC) MEANS NOT IN CONTRACT. TO BE PROVIDED BY OWNER AND INSTALLED BY OWNER.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- ALL DIMENSIONS SHOWN ARE TO FACE OF METAL STUDS OR CENTERLINE OF STRUCTURE.
- ALL CONCEALED WOOD FRAMING AND PLYWOOD SHALL BE FIRE-RETARDANT TREATED (FRT) EXCEPT THAT NON-F.R.T. BLOCCING, NAILERS OR FURRING MAY BE USED WHERE INSTALLED IN ACCORDANCE WITH IBC CHAPTER 9 (INCLUDING DIMENSIONAL WOOD BLOCCING, FIRE BLOCCING, REQUIREMENTS, ETC.). WOOD BLOCCING INSTALLED IN ACCORDANCE WITH IBC SECTION 903. FOR HANDRAILS, MILLWORK, CABINETS, WINDOWS AND DOORS IS NOT REQUIRED TO BE F.R.T. AT COPINGS AND ROOFING TERMINATIONS ALL BLOCCING SHALL BE PRESSURE TREATED (PT). WHERE WOOD BLOCCING IS IN CONTACT WITH CONCRETE, SUCH BLOCCING SHALL BE PRESSURE TREATED.
- ALL CHANGES IN FLOOR FINISHES SHALL OCCUR AT DOOR THRESHOLDS - TYPICAL U.N.O.
- ALL CONTRACTORS SHALL REVIEW DWGS FOR MATERIALS AND MANUFACTURERS MODEL NUMBERS LISTED ON DWGS.
- CONTACT BETWEEN DISSIMILAR METALS SHALL BE SEPARATED WITH BUTYL TAPE, OR OTHER APPROVED MEANS TO PREVENT GALVANIC CORROSION.
- CONTRACTOR SHALL PROVIDE ALL CONCEALED BLOCCING REQUIRED FOR ATTACHMENT AND SUPPORT OF EQUIPMENT, FIXTURES, WINDOWS, ETC.
- GYPSUM CEILING BOARD SHALL BE USED AT ALL HORIZONTAL APPLICATIONS OF GYPSUM BOARD.
- ALL EXPOSED CORNERS AND EDGES OF GYPSUM BOARD SHALL BE FINISHED WITH CORNER BEAD OR J-BEAD, RESPECTIVELY.
- PARTITIONS TYPES ARE TO MAINTAIN THEIR RESPECTIVE SEPARATION/RATING IF ANY FULL HEIGHT, ALL HVAC, ELECTRICAL, PLUMBING PENETRATIONS ARE TO BE SEALED/SAFED/DAMPED TO COMPLY WITH LOCAL CODES.
- CONTRACTOR SHALL VERIFY ALL ROUGH OPENING SIZES FOR WINDOWS AND DOORS AND COORDINATE ANY REQUIRED ADJUSTMENTS WITH THE ARCHITECT.
- SYMBOLS THAT REPRESENT MPE ITEMS ON ARCHITECTURAL DRAWINGS ARE FOR GRAPHIC PURPOSES ONLY. REFER TO MPE DOCUMENTS FOR SPECIFIC INFORMATION. SYMBOLS THAT REPRESENT STRUCTURAL ITEMS ON ARCHITECTURAL DRAWINGS ARE FOR GRAPHIC PURPOSES ONLY.
- ALL WOOD BLOCCING, MILLERS, SILL PLATES, ETC. IN CONTACT WITH SLABS-ON-GRADE OR CONCRETE SHALL BE PRESSURE-PRESERVATIVE TREATED (P.T.). REFER TO THE DRAWINGS FOR OTHER LOCATIONS WHERE P.T. WOOD IS REQUIRED.
- ALL P.T. WOOD COMPONENTS SHALL BE SEPARATED FROM CONTACT WITH ADJACENT METALS WITH PERMANENTLY APPLIED NO. 15 F.E.L. SELF-ADHERING ELASTOMERIC MEMBRANE, OR OTHER SUCH PERMANENT NON CORROSIVE SEPARATION MATERIAL.
- ALL ANCHORS, FASTENERS, ETC. IN CONTACT WITH P.T. WOOD COMPONENTS SHALL BE STAINLESS STEEL OR G-90 (MIN) HOT-DIPPED GALVANIZED.

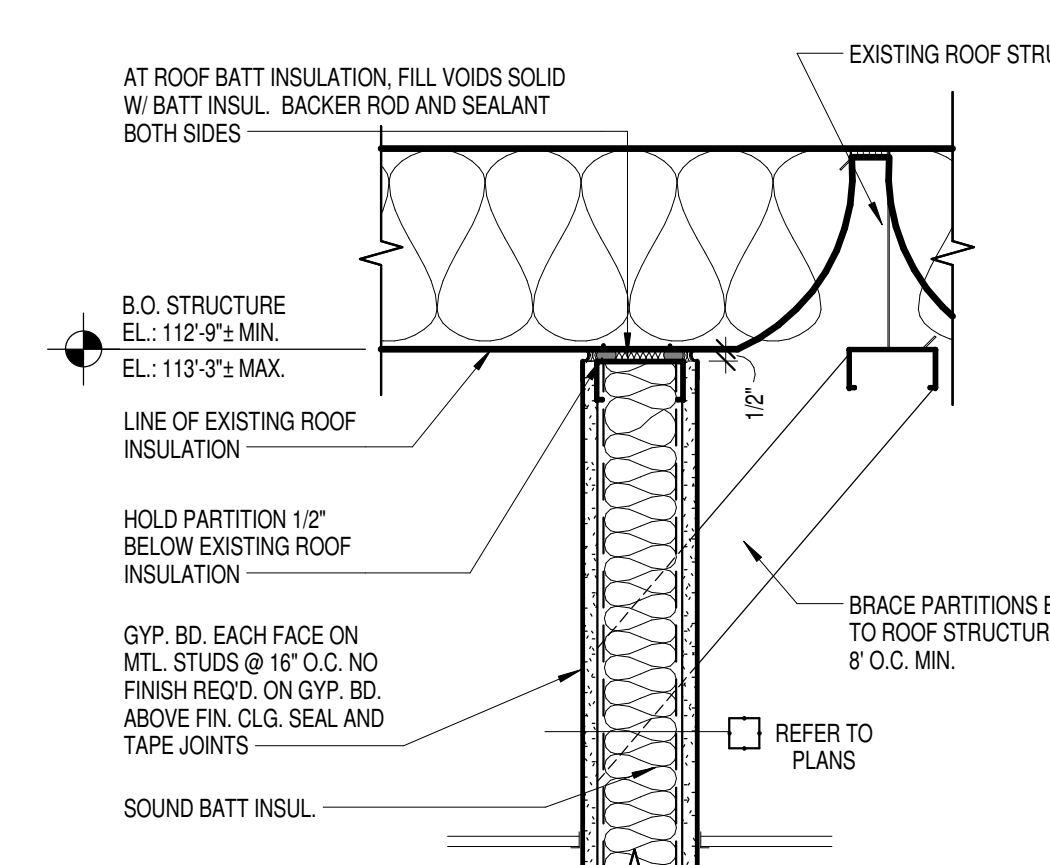
CODE INFORMATION

GENERAL	KENTUCKY BUILDING CODE 2013 4TH EDITION
USE GROUP:	UNSEPARATED MIXED USE - EXISTING S-1 (STORAGE) AND EXISTING B (OFFICE SUITE)
CONSTRUCTION TYPE:	EXISTING 2B
FIRE PROTECTION:	EXISTING UNSPRINKLERED
ALLOWABLE BUILDING HEIGHT AND AREA (EXISTING)	
S-1 IS MOST RESTRICTIVE	
ALLOWABLE AREA (TABLE 503):	17,500 GROSS SF
EXISTING AREA (S-1 STORAGE):	8,537 GROSS SF
EXPANDED AREA (B OFFICE SUITE):	2,266 GROSS SF
TOTAL EXISTING AREA:	10,803 GROSS SF
CALCULATED OCCUPANT LOAD:	2,266 GROSS SF / 100 SF PER OCC. (B OCCUPANCY) = 23 OCCUPANTS
ALLOWABLE HEIGHT:	2 STORIES - 55'-0"
EXISTING HEIGHT:	1 STORY - 19'-0"

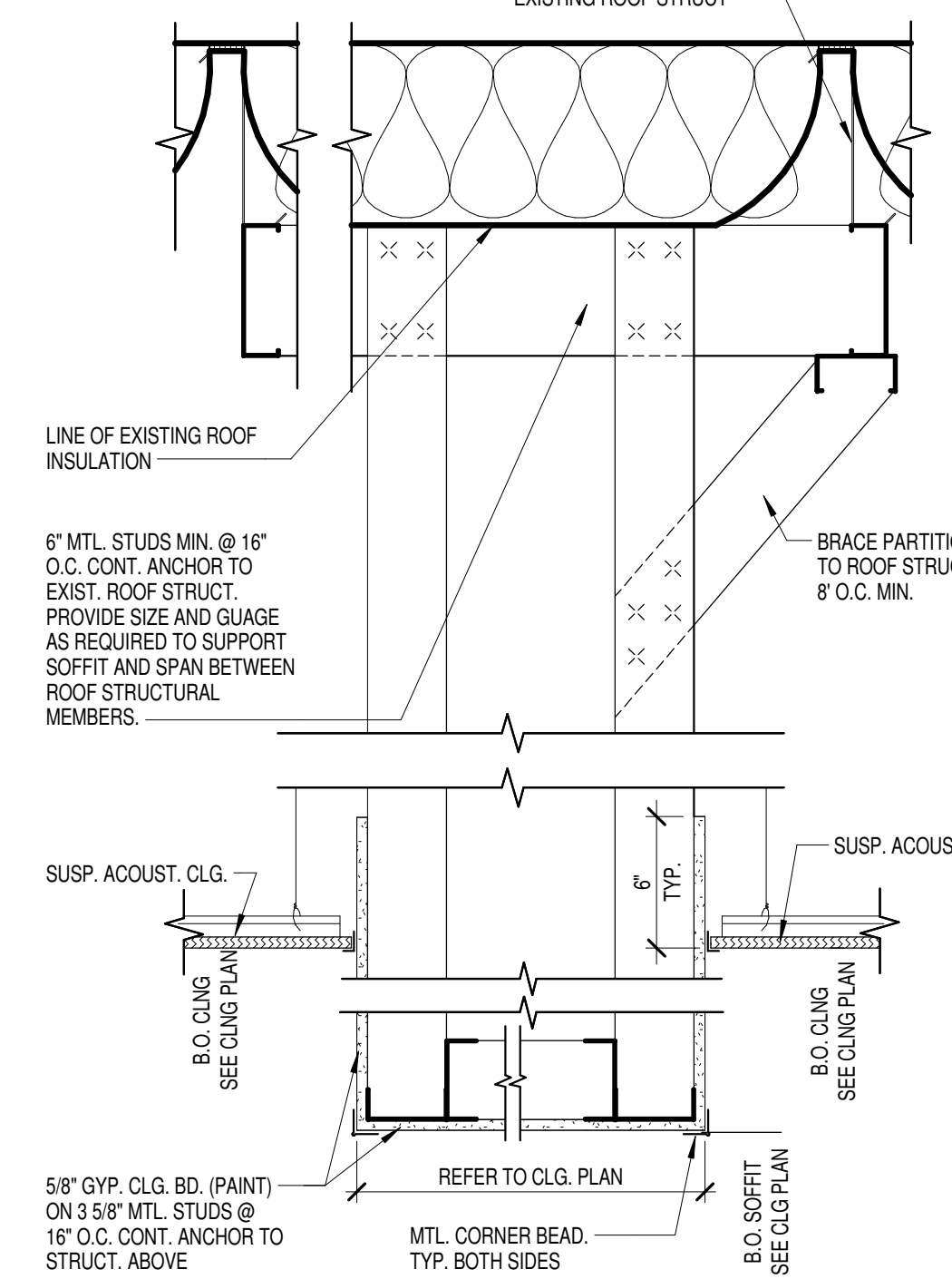


NO.	NO. LEAVES	DOOR			FRAME			REMARKS							
		LEAF WIDTH	HT.	MATL.	TYPE	MATL.	TYPE								
101	1	3'-0"	7'-0"	SCWD	FG	1/4"	H.M.	2	1/4"	2/A1.2	3/A1.2	-	105°	1, 2	
101A	1	3'-0"	7'-0"	SCWD	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	105°	1, 3	
103	1	3'-0"	7'-0"	SCWD	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	90°	1, 3	
104	1	3'-0"	7'-0"	SCWD	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	90°	1, 3	
105	1	3'-0"	7'-0"	SCWD	F	-	H.M.	3	1/4"	2/A1.2	3/A1.2	-	105°	1, 4, 6	
106	1	3'-0"	7'-0"	SCWD	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	105°	1, 4, 6	
107	1	4'-0"	7'-0"	H.M.	FG	1"	INSUL.	H.M.	1	-	5/A1.2 SIM.	6&7/A1.2 SIM.	-	105°	1, 4, 6
109	1	3'-0"	7'-0"	SCWD	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	105°	1, 4, 6	
109A	1	1'-0"	7'-0"	H.M.	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	90°	1, 5, 6	
110	1	3'-0"	7'-0"	H.M.	FG	1/4"	H.M.	1	-	2/A1.2 SIM.	3/A1.2 SIM.	-	105°	1, 5, 6	
111	1	3'-0"	7'-0"	H.M.	F	-	H.M.	1	-	2/A1.2	3/A1.2	-	105°	1, 5, 6	

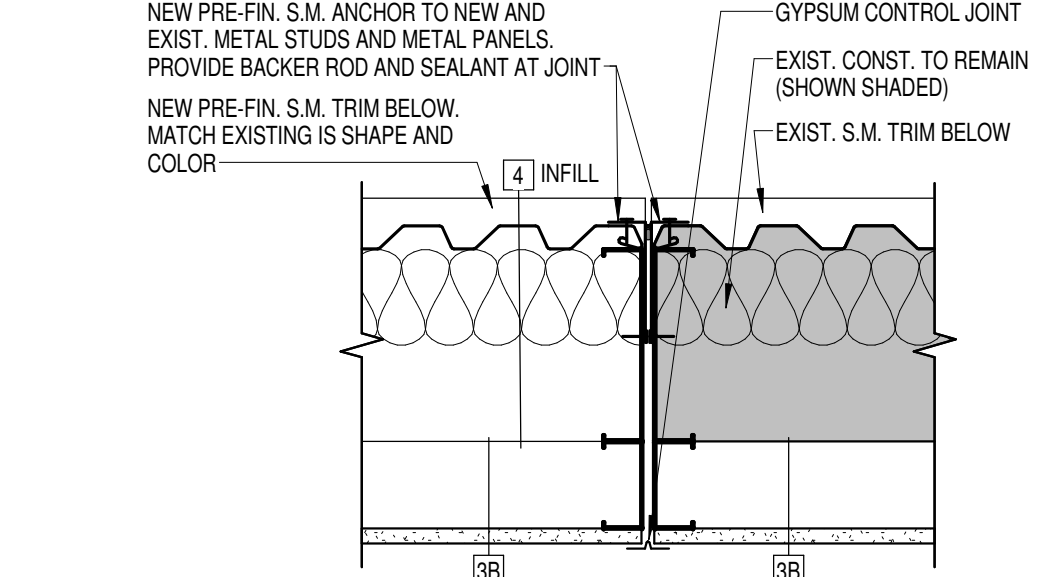
DOOR AND FRAME NOTES:		REMARKS:	
GENERAL NOTES: 1. REFER TO TYPICAL HEAD AND JAMB DETAILS ON SHEETS A1.2 AND ALUM. FRAME ELEVATIONS ON A1.2. 2. INSTALL 2x BLOCKING BETWEEN STUDS FOR WALL MOUNTED DOOR STOPS IN STUD PARTITIONS. 3. ALL HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PER THE SPECIFICATIONS. HOLLOW METAL FRAME NOTES: 1. PROVIDE REINFORCING 12 GA. CHANNEL IN FRAME HEAD AT ALL H.M. FRAMES WHERE TOTAL FRAME WIDTH IS GREATER THAN 4'-0". 2. PROVIDE 11-GA x 2" WIDE STRAPS AT 8" O.C. IN H.M. FRAME HEADS GREATER THAN 2" IN HEIGHT, TYPICAL. 3. UNTEL BEAM LENGTH SHALL BE M.O. PLUS 16" LONG (MIN 8" BEARING AT EACH END UNLESS NOTED OTHERWISE). UNTEL PLATE LENGTH SHALL BE M.O. LESS 1/4" LONG (1/8" AT EACH END MAX). REFER TO STRUCTURAL DRAWINGS FOR UNTEL INFORMATION. 4. WHERE GLAZING IS SHOWN, THE FRAME FABRICATOR SHALL PRE-DRILL STOPS AND FRAME TO RECEIVE MOUNTING SCREWS. VERIFY LOCATIONS AND DEPTH OF GLAZING MATERIAL, EQUAL SPACE SCREWS. 5. UNLESS NOTED OTHERWISE, THE HINGE SIDE OF H.M. FRAME AT GYP. AND MTL. STUD WALLS SHALL BE INSTALLED 4" FROM ADJ. WALLS. 6. ALL EXTERIOR HOLLOW METAL FRAMES SHALL BE GALVANIZED, 14 GA. 7. CUT HOLE IN FRAME IN EXISTING OPENING TO GROUT FRAME SOLID. WELD IN NEW FILLER PLATE FLUSH, GRIND SMOOTH AND PREP FOR PAINTING.		1. CARD READER. REFER TO HARDWARE SPECIFICATIONS AND MEP DRAWINGS. 2. PROVIDE TINTED GLASS IN DOOR AND FRAME. 3. PROVIDE LAMINATED GLASS IN DOOR FRAME. 4. FIELD VERIFY EXISTING OPENING SIZE. FABRICATE DOOR AND FRAME TO FIT. 5. DELAYED EGRESS HARDWARE. REFER TO SPECIFICATIONS. 6. PROVIDE DOOR RELEASE CARD READER AT BAGGAGE PODIUM. COORDINATE WITH MEP AND DOOR HARDWARE.	
DOOR NOTES: 1. UNDERCUT AT NON-RATED S.C. WOOD DOORS 1/2" FROM BOTTOM OF DOOR TO SCHEDULED FLOOR FINISH. 2. UNDERCUT AT EXTERIOR DOORS 1/8" MAX. FROM BOTTOM OF DOOR TO TOP OF THRESHOLD. WEATHER STRIP MUST CLOSE TIGHTLY AGAINST THRESHOLD. 3. ALL EXTERIOR HOLLOW METAL DOORS BE GALVANIZED AND HAVE FLUSH CLOSURE CAPS 16 GA. WELD CONT. TOP AND BOTTOM. 4. PROVIDE THRESHOLDS AS REQUIRED AT DOORS. SEE THIS SHEET TYPICAL THRESHOLD DETAILS AND FLOOR FINISHES.			
GLASS AND GLAZING NOTES: 1. PROVIDE FULLY TEMPERED (FT) GLASS WHERE INDICATED ON SCHEDULE AND/OR SHOWN ON DOOR AND FRAME TYPES, OR AS RECD BY CODE. 2. ALL GLAZING AND GLAZING STOPS IN H.M. FRAMES ARE TO BE INSTALLED AT SECURE SIDE OF INTERIOR FRAMES AND INTERIOR SIDE OF ALL EXTERIOR FRAMES.			
HARDWARE NOTES: 1. PROVIDE AND INSTALL ALL HARDWARE IN ACCORDANCE WITH ANSI A117.1 - 2008.			



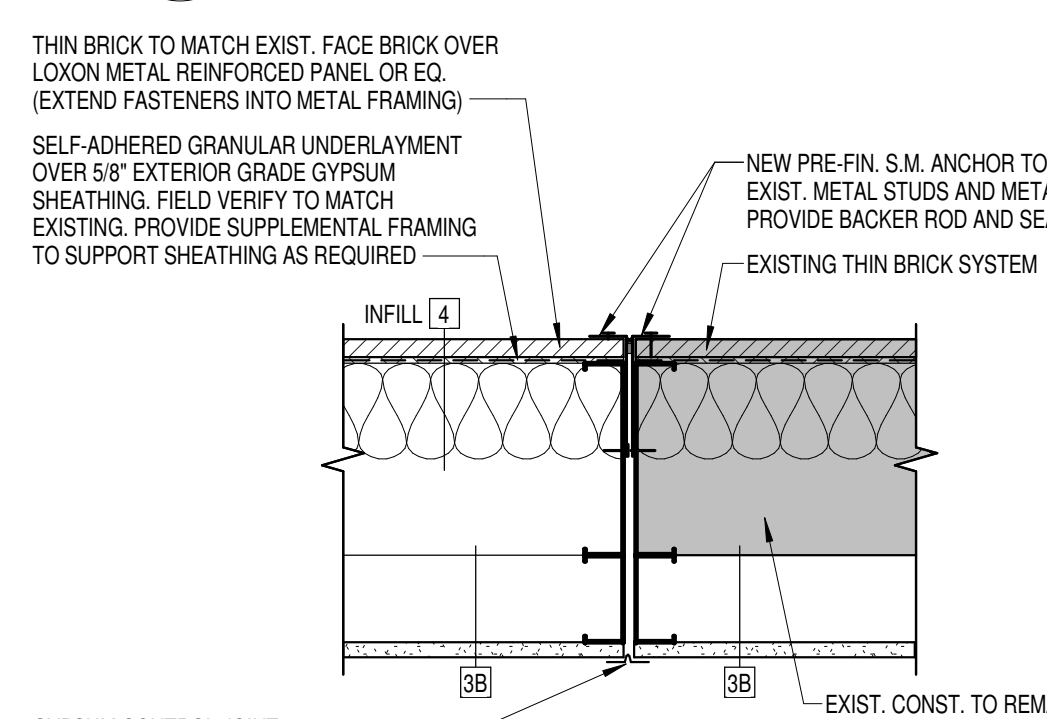
11 TYPICAL TOP OF WALL DETAIL
1 1/2" = 1'-0"



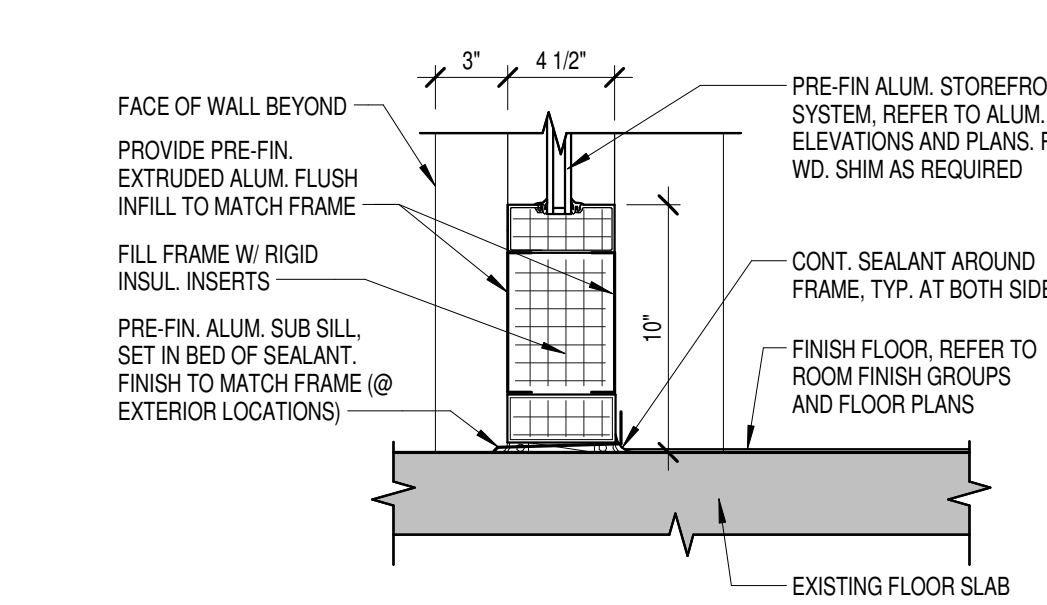
12 TYP. SOFFIT DETAIL
1 1/2" = 1'-0"



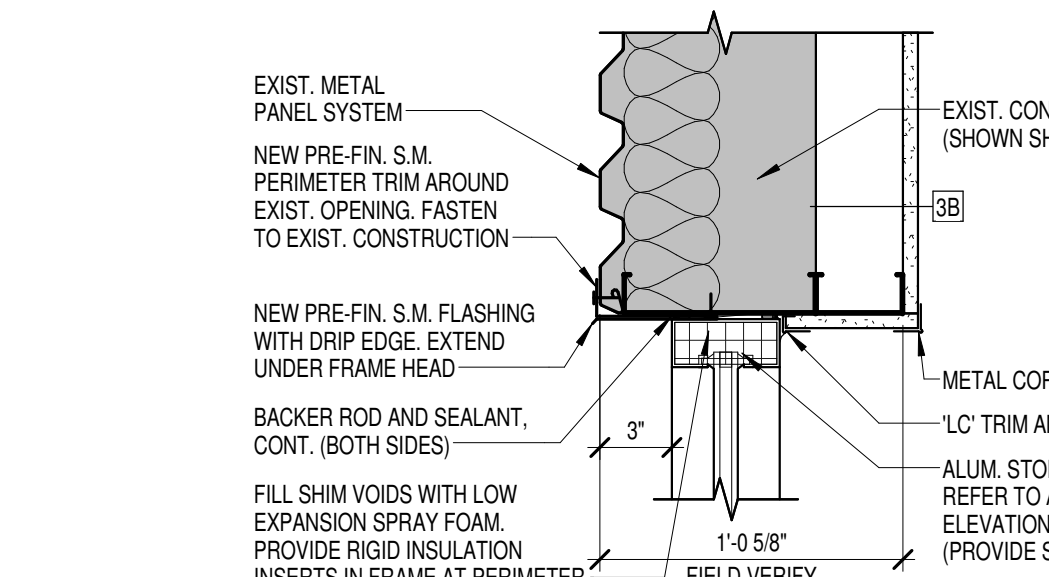
8 METAL PANEL INFILL @ EXIST. EXT. OPENING
1 1/2" = 1'-0"



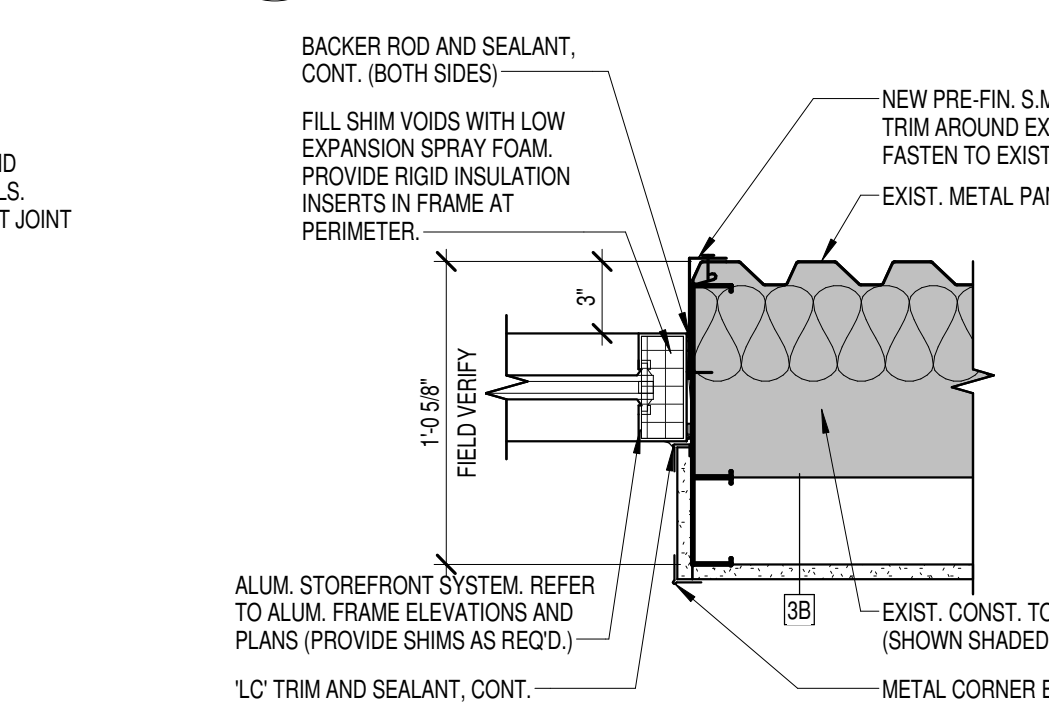
9 INFILL @ EXIST. EXT. OPENING
1 1/2" = 1'-0"



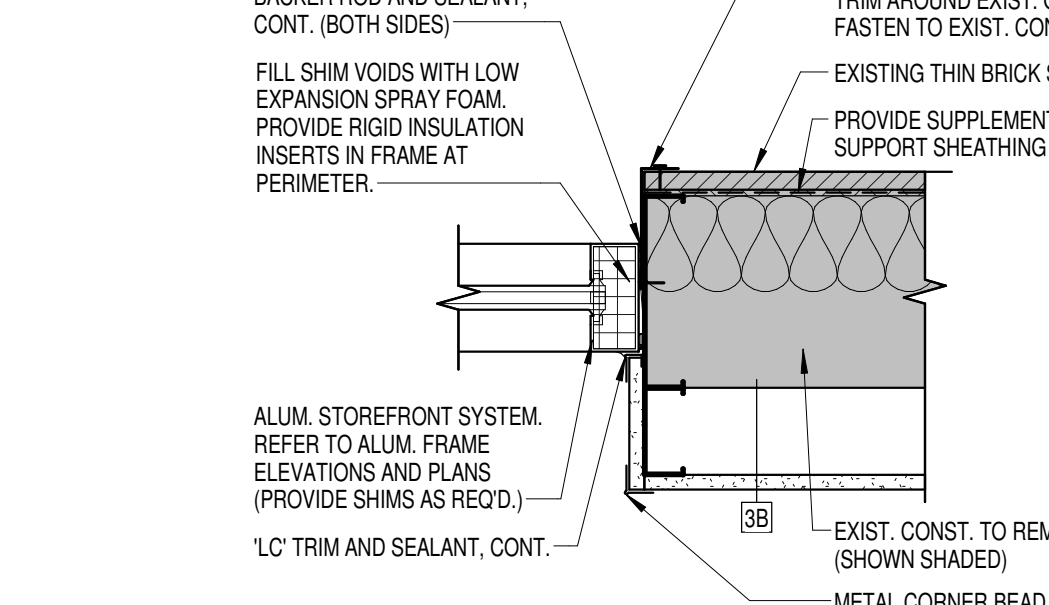
10 ALUM. SILL DETAIL
1 1/2" = 1'-0"



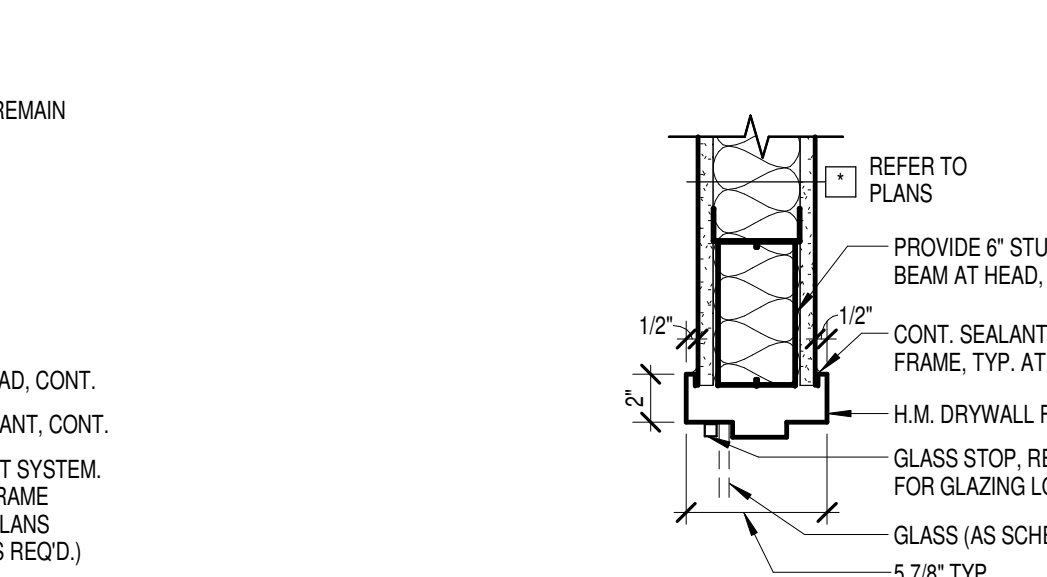
5 ALUM. HEAD @ EXIST. EXT. OPENING AT MTL. PANEL (H.M. SIM.)
1 1/2" = 1'-0"



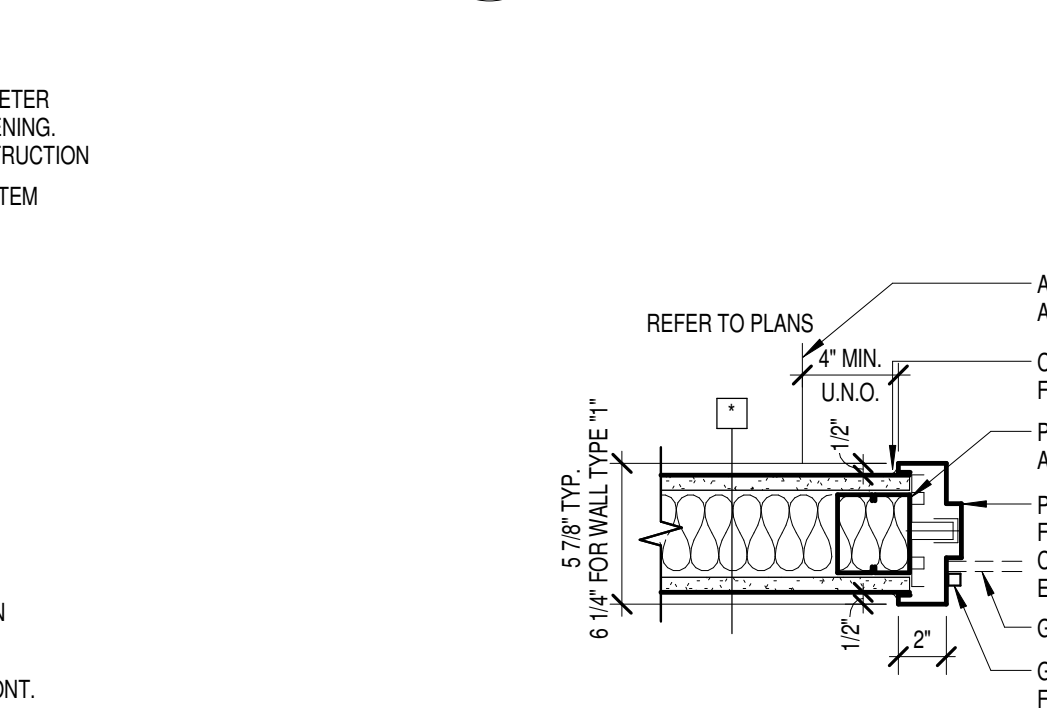
6 ALUM. JAMB @ EXIST. EXT. OPENING AT MTL. PANEL (H.M. SIM.)
1 1/2" = 1'-0"



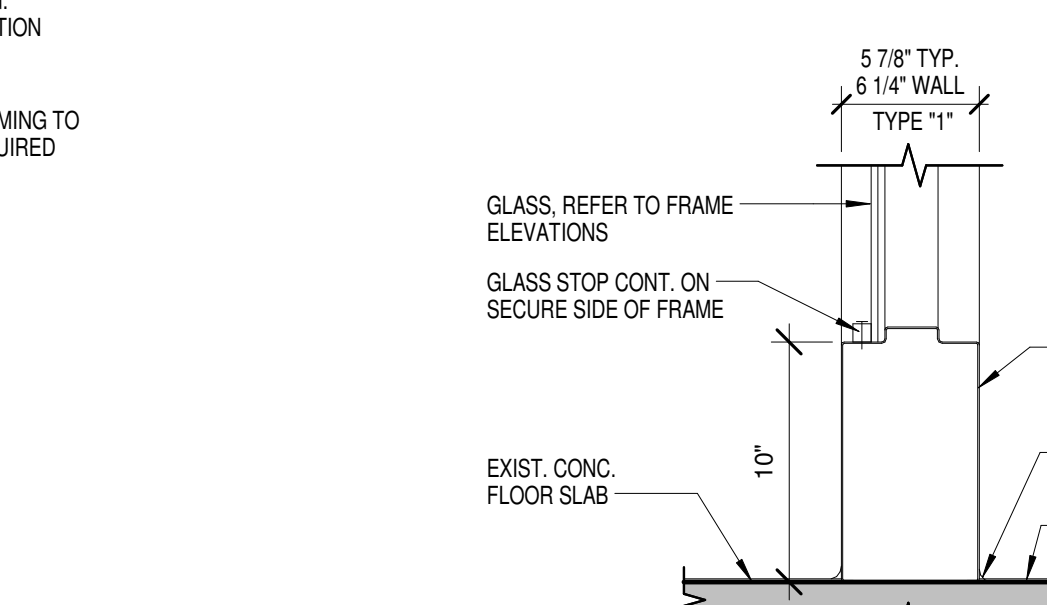
7 ALUM. JAMB @ EXIST. EXT. OPENING AT BRICK (H.M. SIM.)
1 1/2" = 1'-0"



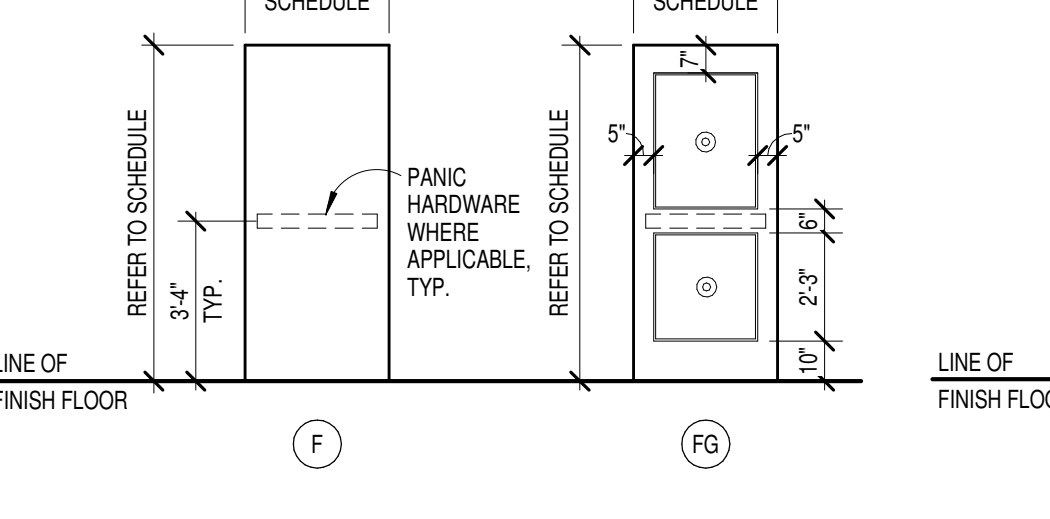
2 TYPICAL H.M. HEAD @ MTL. STUD
1 1/2" = 1'-0"



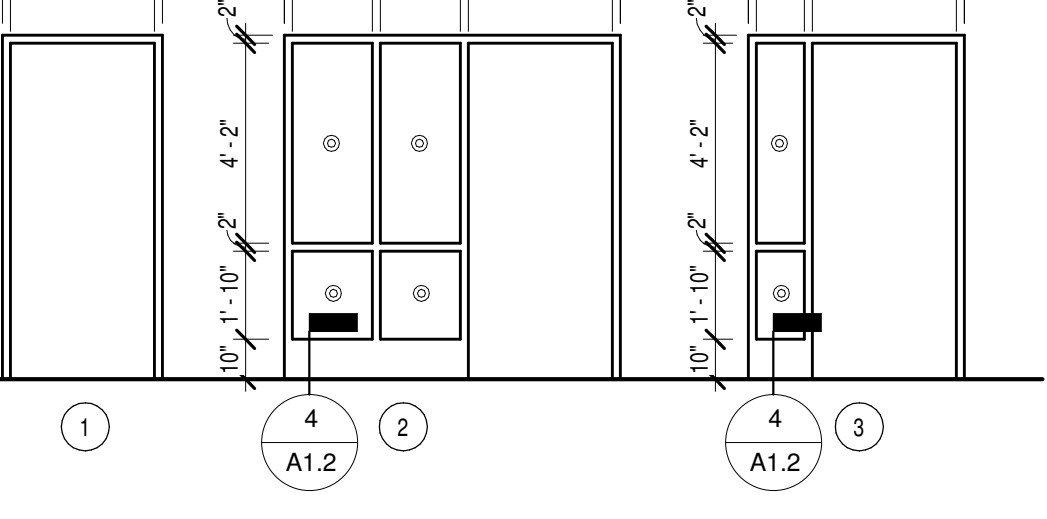
3 TYPICAL H.M. JAMB @ MTL. STUD
1 1/2" = 1'-0"



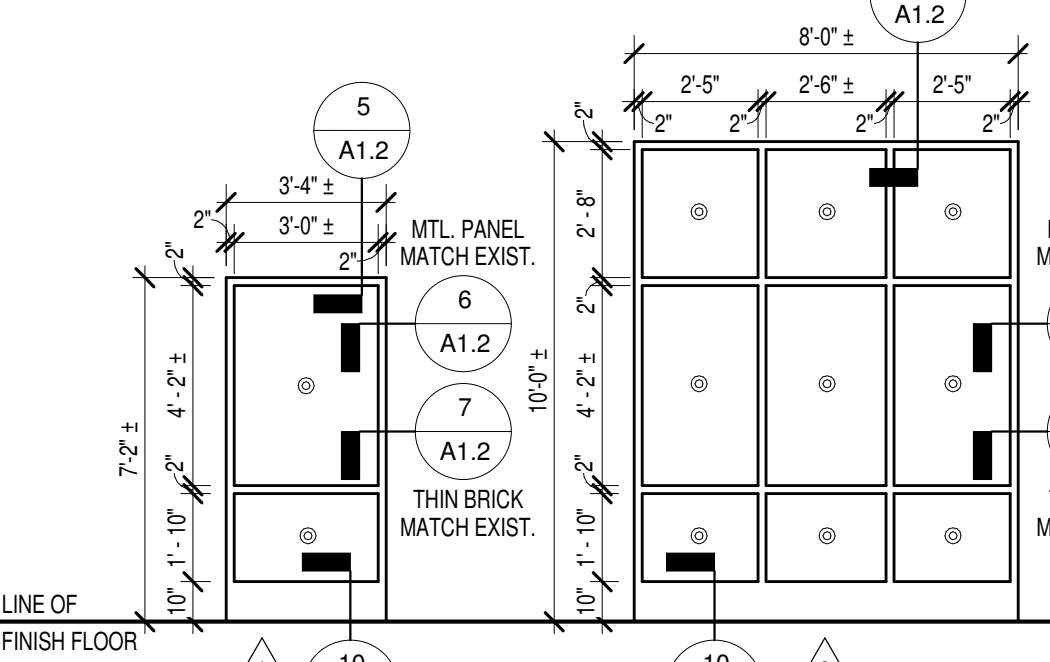
4 TYPICAL H.M. SILL DETAIL
1 1/2" = 1'-0"



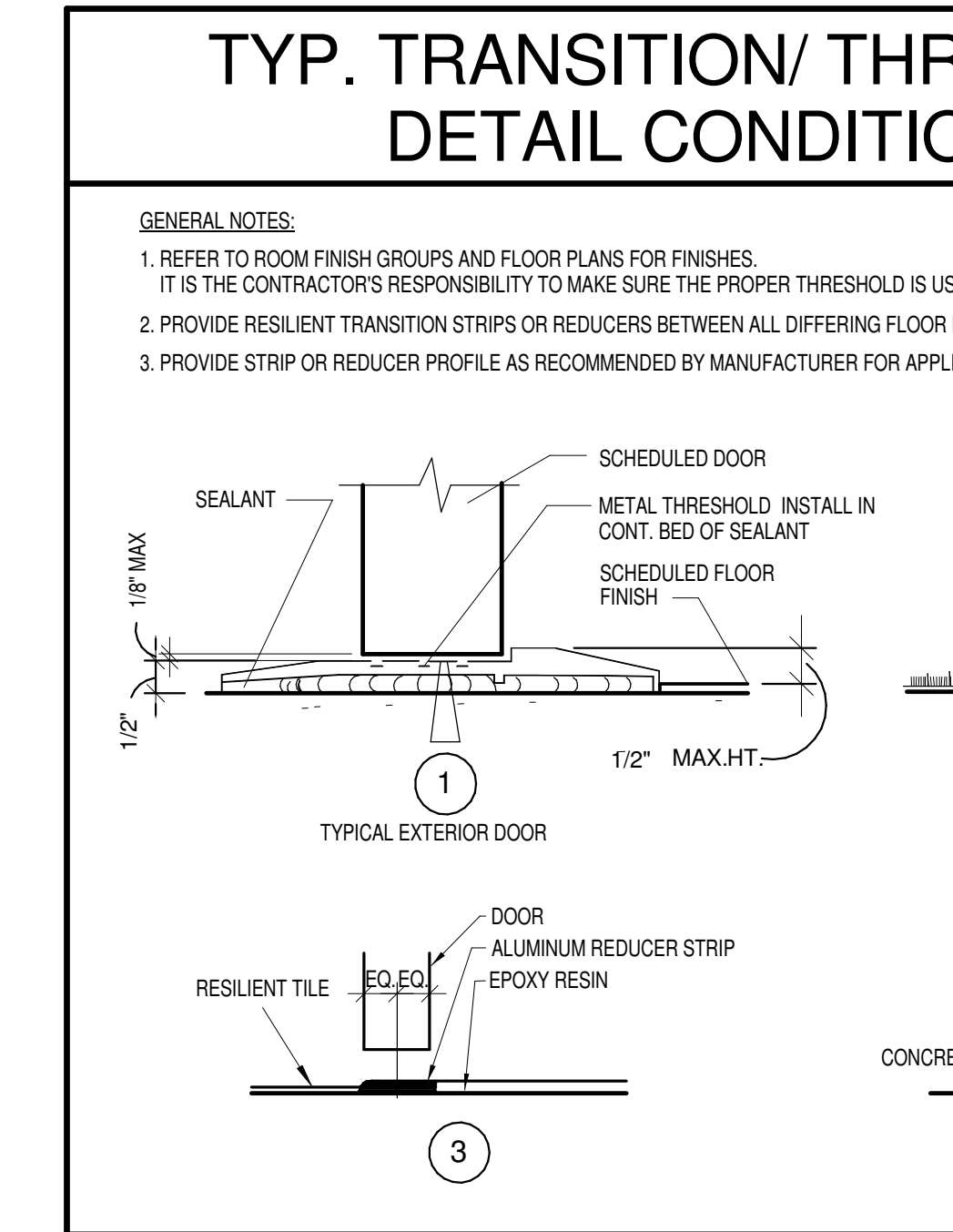
DOOR TYPES
1/4" = 1'-0"



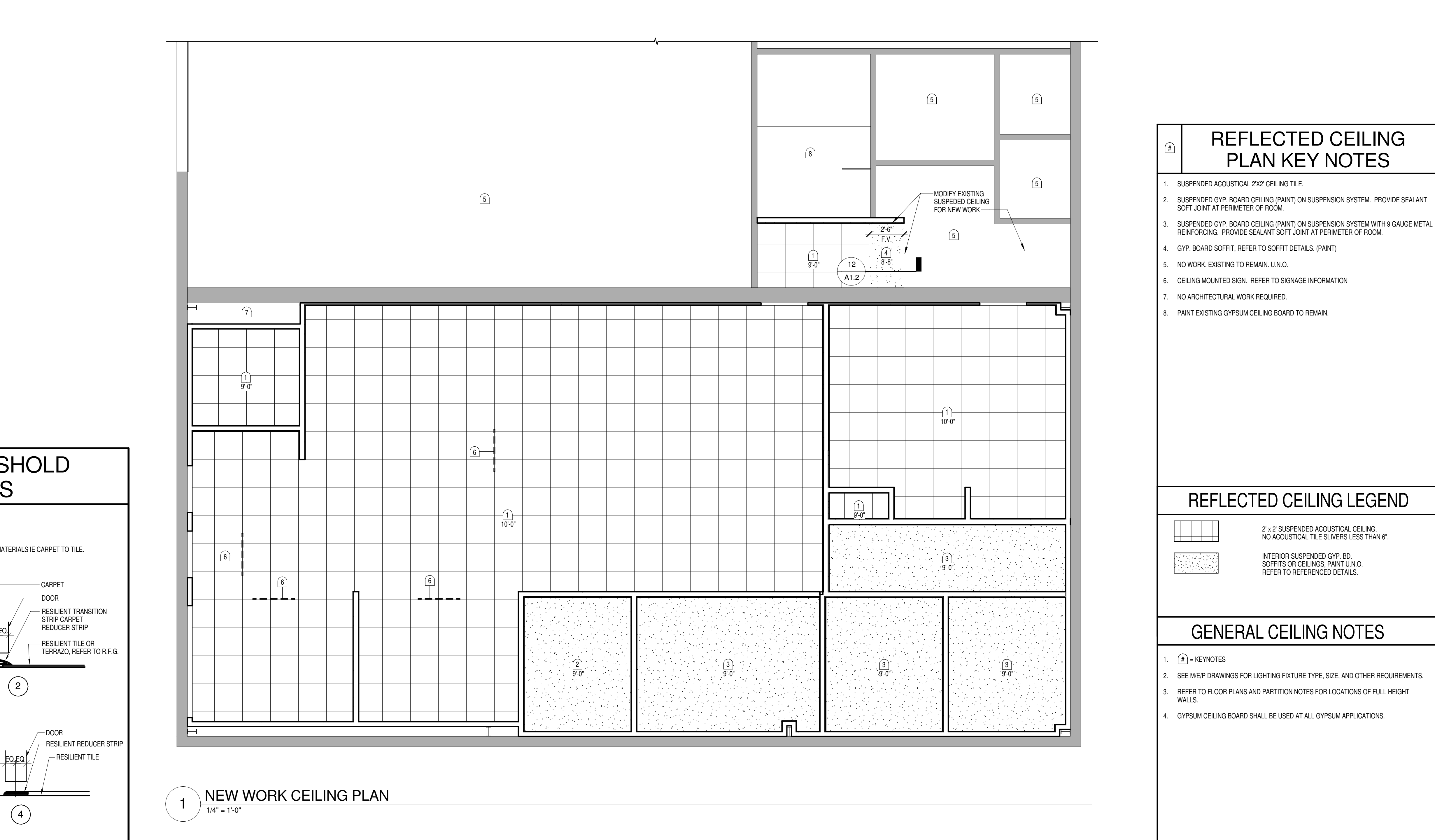
HOLLOW METAL FRAME TYPES
1/4" = 1'-0"



ALUMINUM STORE FRONT FRAME TYPES
1/4" = 1'-0"



TYP. TRANSITION/ THRESHOLD DETAIL CONDITIONS

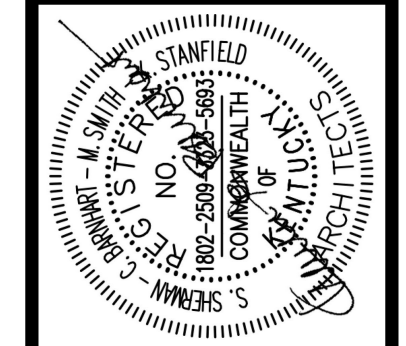


NEW WORK CEILING PLAN
1/4" = 1'-0"

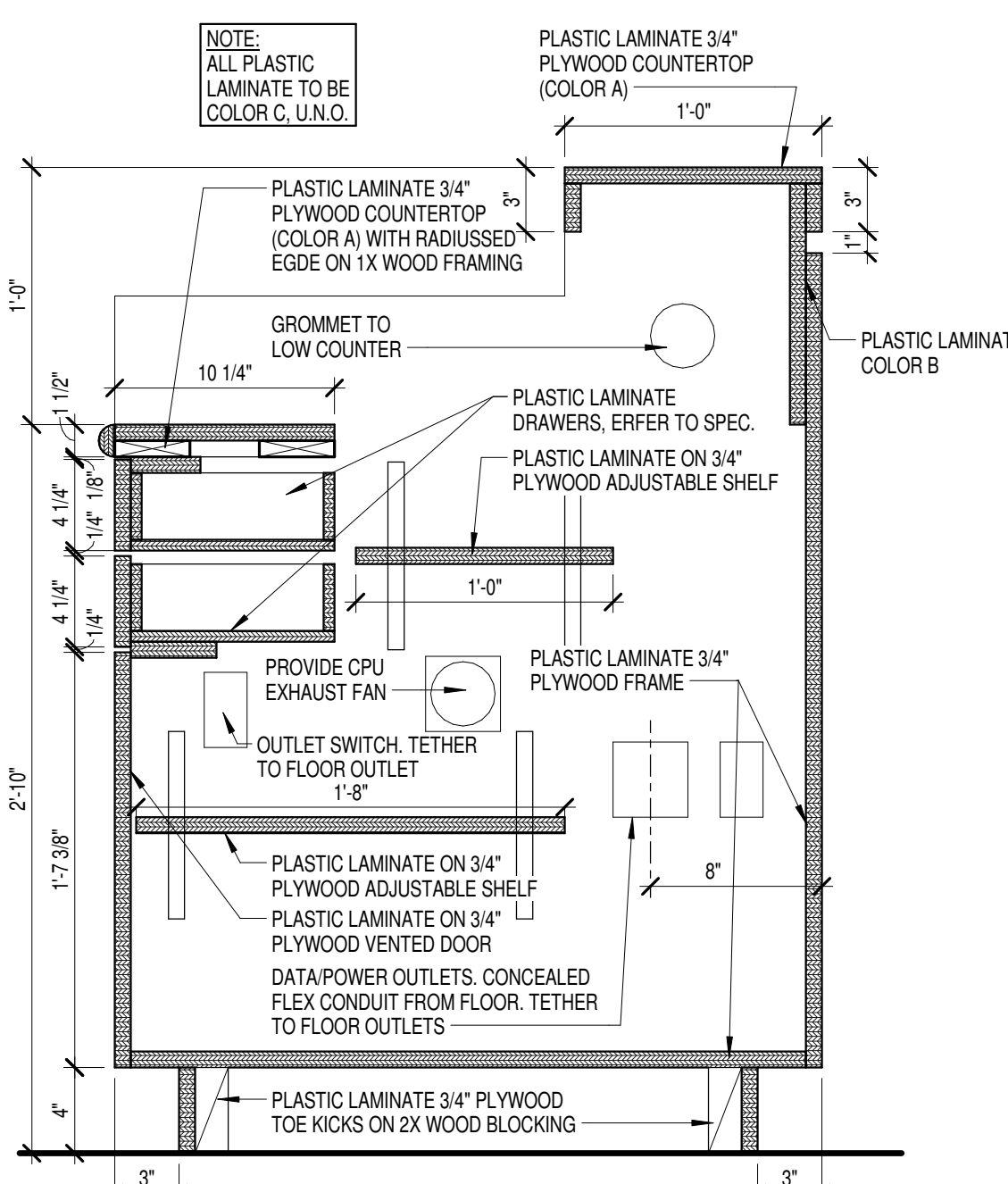
REFLECTED CEILING PLAN KEY NOTES	
1.	SUSPENDED ACOUSTICAL 2'X2' CEILING TILE.
2.	SUSPENDED GYP. BOARD CEILING (PAINT) ON SUSPENSION SYSTEM. PROVIDE SEALANT SOFT JOINT AT PERIMETER OF ROOM.
3.	SUSPENDED GYP. BOARD CEILING (PAINT) ON SUSPENSION SYSTEM WITH 9 GAUGE METAL REINFORCING. PROVIDE SEALANT SOFT JOINT AT PERIMETER OF ROOM.
4.	GYP. BOARD SOFFIT, REFER TO SOFFIT DETAILS. (PAINT)
5.	NO WORK EXISTING TO REMAIN, U.N.O.
6.	CEILING MOUNTED SIGN. REFER TO SIGNAGE INFORMATION
7.	NO ARCHITECTURAL WORK REQUIRED.
8.	PAIN EXISTING GYPSUM CEILING BOARD TO REMAIN.

REFLECTED CEILING LEGEND	
	2' x 2' SUSPENDED ACOUSTICAL CEILING. NO ACOUSTICAL TILE SLIVERS LESS THAN 6".
	INTERIOR SUSPENDED GYP. BD. SOFFITS OR CEILINGS. PAINT U.N.O. REFER TO REFERENCED DETAILS.

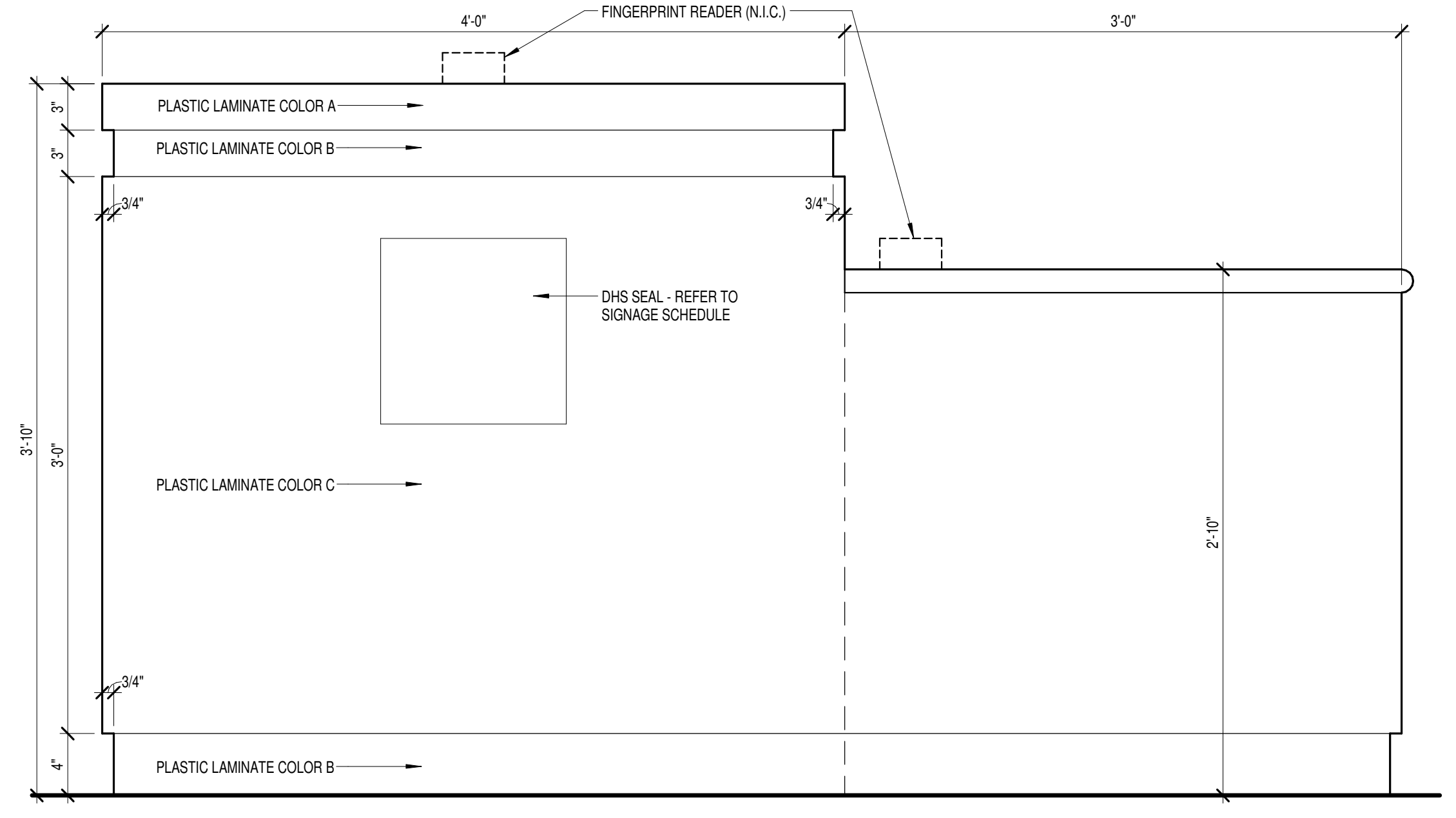
GENERAL CEILING NOTES	
1.	KEYNOTES
2.	SEE MEP DRAWINGS FOR LIGHTING FIXTURE TYPE, SIZE, AND OTHER REQUIREMENTS.
3.	REFER TO FLOOR PLANS AND PARTITION NOTES FOR LOCATIONS OF FULL HEIGHT WALLS.
4.	GYPSUM CEILING BOARD SHALL BE USED AT ALL GYPSUM APPLICATIONS.



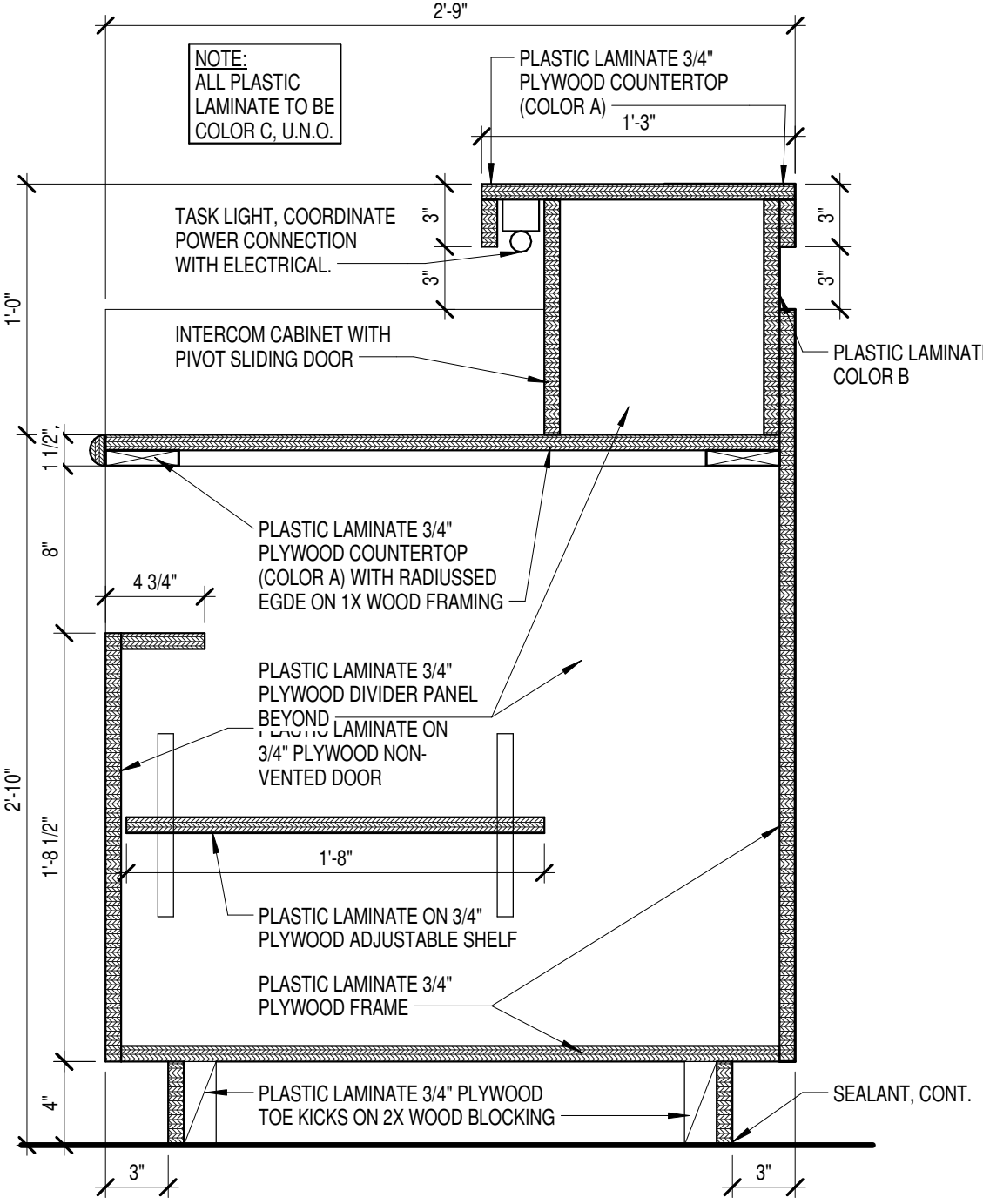
REVISIONS	No.	Description	Date



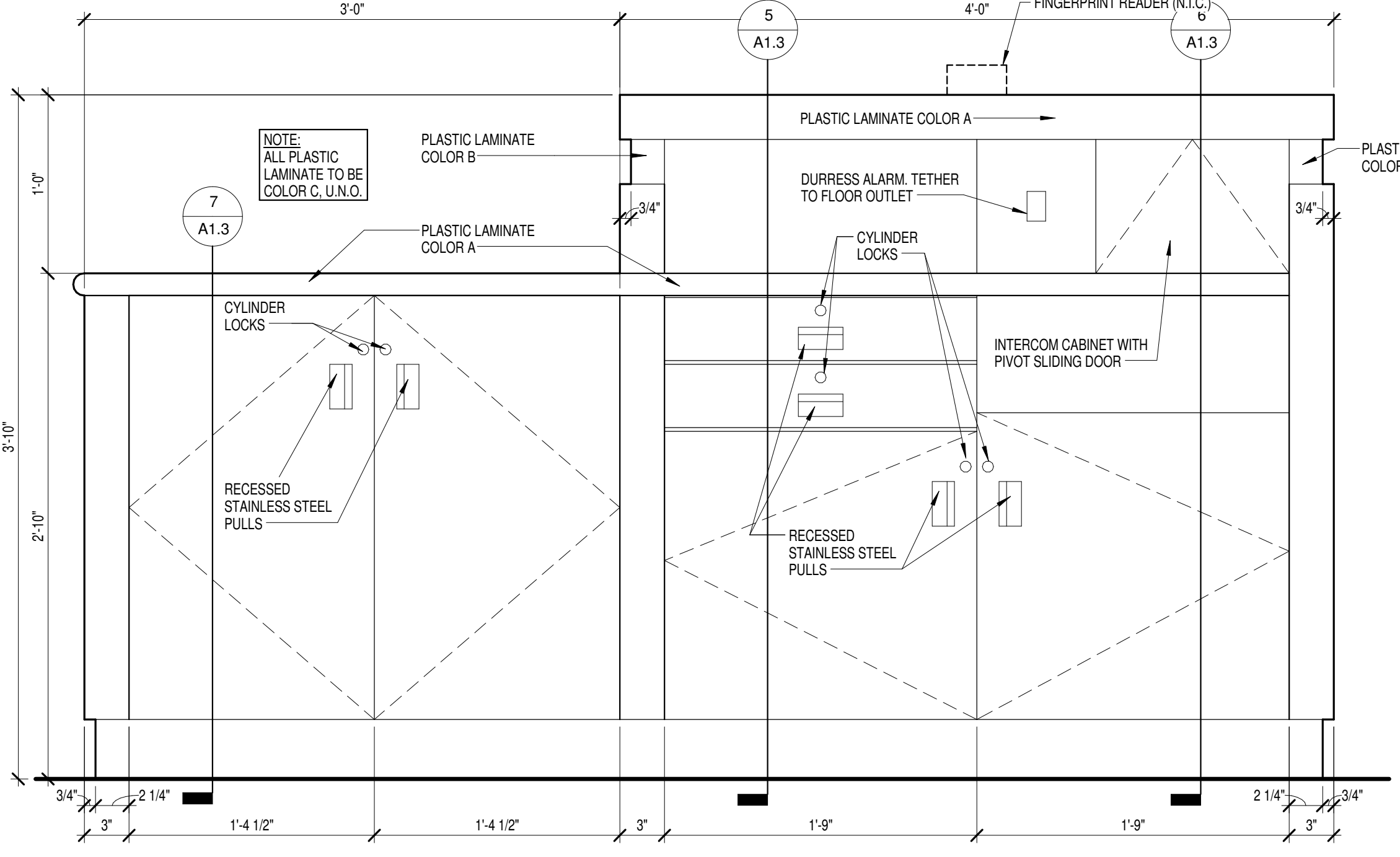
5 PROCESSING PODIUM SECTION
1 1/2" = 1'-0"



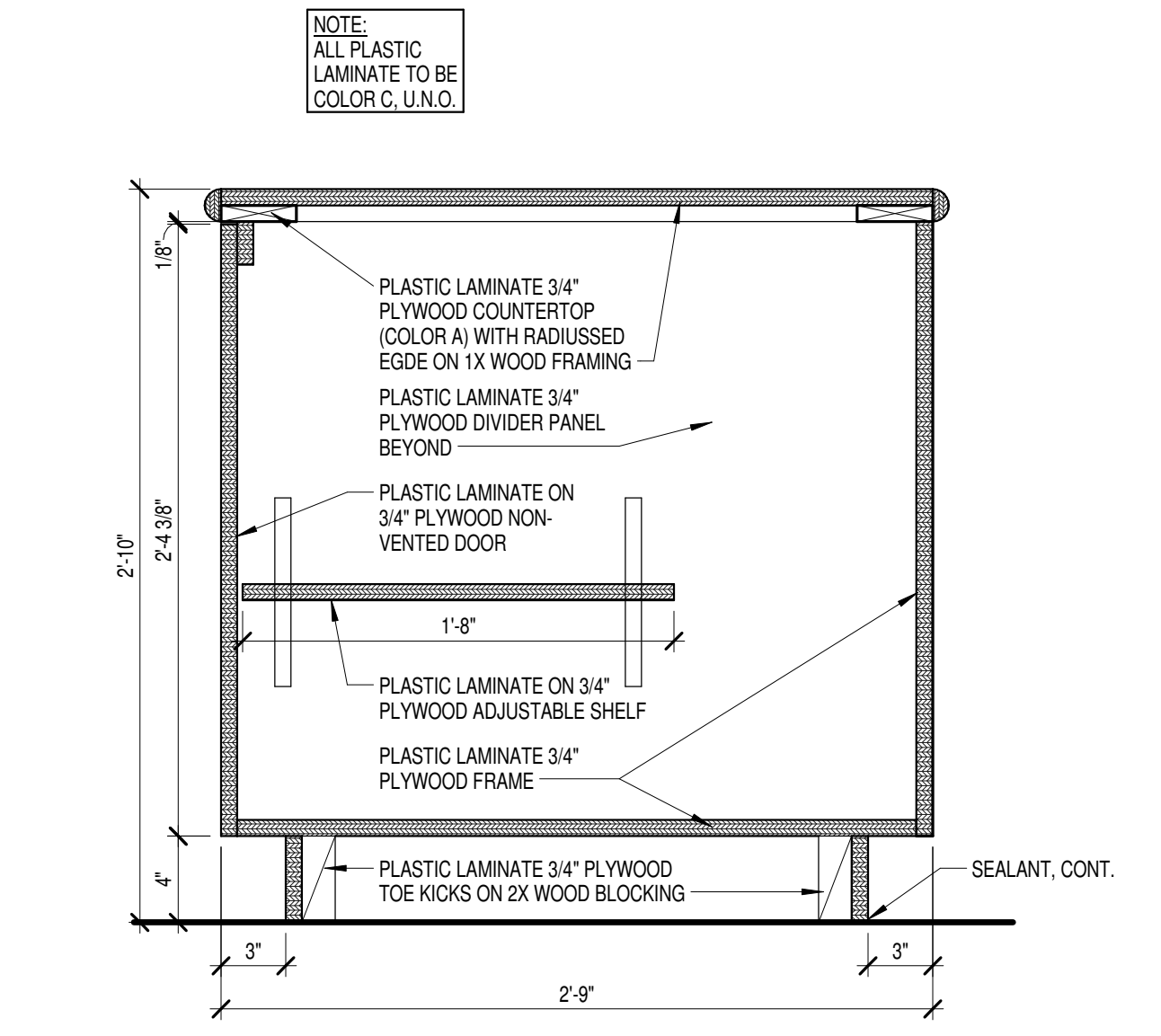
3 PROCESSING PODIUM ELEVATION - FRONT
1 1/2" = 1'-0"



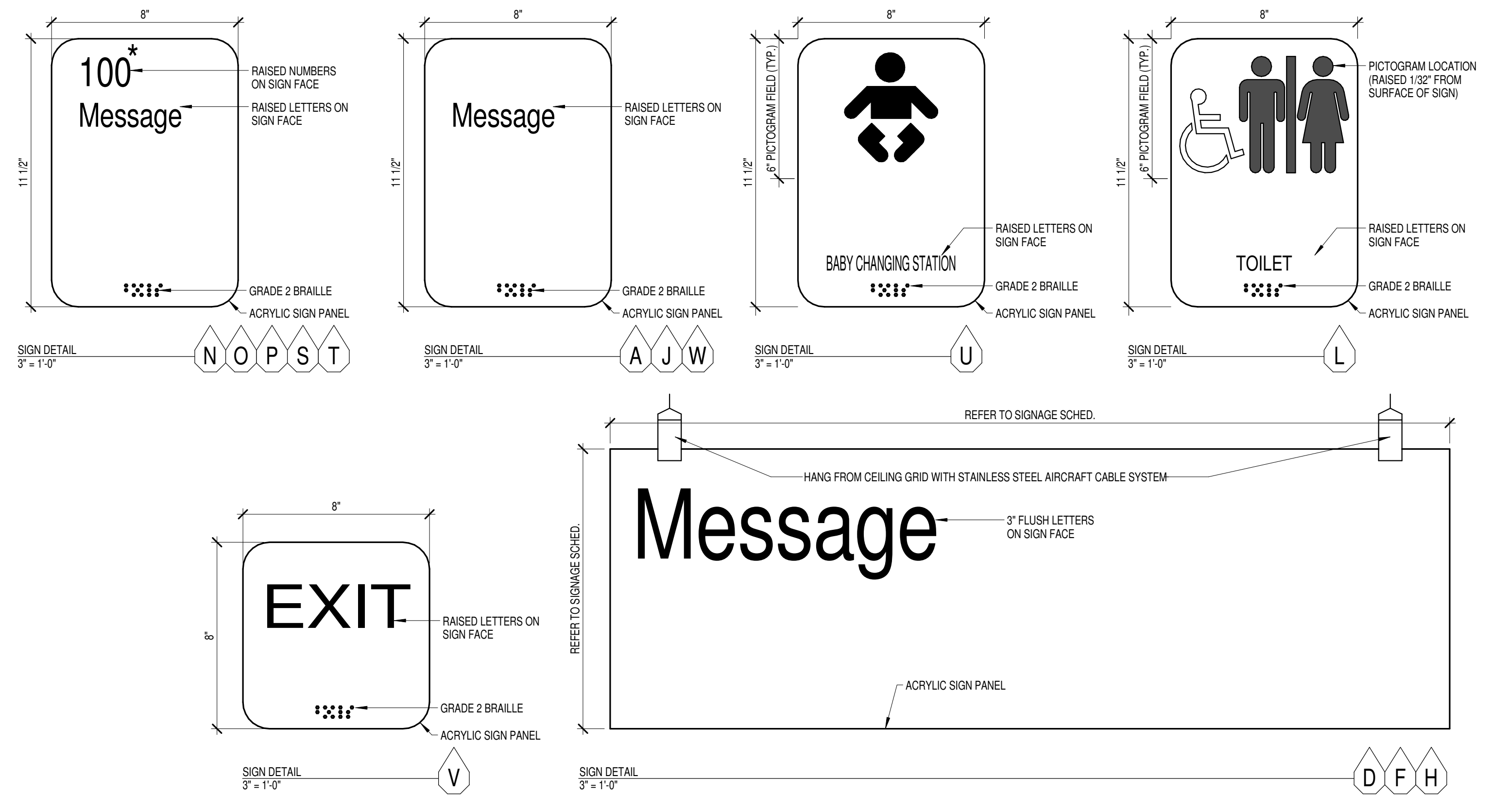
6 PROCESSING PODIUM SECTION
1 1/2" = 1'-0"



4 PROCESSING PODIUM ELEVATION - BACK
1 1/2" = 1'-0"



7 PROCESSING PODIUM SECTION
1 1/2" = 1'-0"



SIGNAGE GENERAL NOTES

- WHERE ROOM SIGNS ARE AT GLASS WALL PROVIDE SOLID PANEL ON OPPOSITE SIDE OF SIGN ON GLASS.
- CHARACTERS SHOWN ON THIS SHEET ARE COMPUTER GENERATED. SPACING OF CHARACTERS IS NOT ACCURATE. CORRECT "VISUAL" SPACING IS THE RESPONSIBILITY OF THE MFR.
- PICTOGRAMS ARE SHOWN HEREIN FOR INFORMATION AND INTENT ONLY. MECHANICAL, CAMERA, READY ARTWORK SHALL BE SUPPLIED BY THE SIGNAGE CONTRACTOR.
- COLORS OF PANEL SIGNS TO BE SELECTED BY ARCHITECT.
- UNLESS OTHERWISE NOTED, ALL SIGNS TO BE MOUNTED BESIDE DOORS AT 4'-0" AFF. TO BOTTOM OF SIGN AND 2" FROM EDGE OF DOOR FRAME ON THE LATCH SIDE. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" IN OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. THE ARCHITECT SHALL BE CONSULTED BEFORE PLACEMENT OF SIGNAGE FOR LEFTHAND AND RIGHTHAND ORIENTATION OF SIGNS.
- * - THREE CHARACTER NUMBER TO BE SUPPLIED BY ARCHITECT/OWNER.
- ALL SIGNAGE SHALL MEET REQUIREMENTS OF ADAAGS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND ICC (ANSI) A117.1-2009.
- MESSAGE (COPY) TO BE DETERMINED BY ARCHITECT/OWNER.
- SIGNAGE INDICATED TO BE PROVIDED BY CBP IS TO BE PURCHASED BY CONTRACTOR THROUGH U.S. CUSTOMS AND BORDER PATROL AND INSTALLED BY CONTRACTOR. SIGNAGE INDICATED TO BE PROVIDED BY CONTRACTOR IS TO BE FABRICATED, SUPPLIED AND INSTALLED BY CONTRACTOR AS INDICATED IN SPEC. AND DRAWINGS.
- "CBP" REFERS TO UNITED STATES CUSTOMS AND BORDER PROTECTION AGENCY.
- "GAF" REFERS TO THIS PROJECT / GENERAL AVIATION FACILITY

SIGNAGE SCHEDULE

TYPE	ROOM NO.	ROOM NAME FUNCTION/LOCATION	QUANTITY REQUIRED	SIZE REQUIRED	GENERAL COMMENTS		PROVIDED BY
					FINISH	TEXT - DESCRIPTION	
A	108A	CBP FORMS COUNTER	1	8' X 11.5'	CBP FORMS COUNTER		CONTRACTOR
B	-	NOT USED	-	-			
C	108A	RESTRICTED AREA - AUTHORIZED PERSONNEL ONLY (ON EXTERIOR OF DOOR 108)	1	11" X 17"	RESTRICTED AREA - AUTHORIZED PERSONNEL ONLY		CBP
D	108A/108B	PASSENGER WAITING AREA (ON WALL OR HUNG FROM CEILING)	2	6' X 36"	PASSENGER WAITING AREA		CONTRACTOR
E	108A/108B	1 FULL SET OF AIRPORT STATUTORY SIGNS (TOTAL 10 SIGNS) (ON EAST WALL OF ROOM 108A)	1 FULL SETS	11" X 17"	1 FULL SET OF AIRPORT STATUTORY SIGNS (TOTAL 10 SIGNS)		CBP
F	108A	AT ENTRY TO WAITING - HUNG FROM CEILING - WELCOME SIGN	1	12" X 36"	WELCOME TO THE UNITED STATES. PLEASE HAVE YOUR DOCUMENTS READY TO PRESENT TO A CBP OFFICER		CONTRACTOR
G	110	CBP PROCESSING PODIUM	1	15' DIAMETER	CBP PROCESSING AREA - 1 DHS SEAL ON FACE OF PROCESSING PODIUM		CONTRACTOR
H	110	CBP PROCESSING AREA (HUNG ABOVE PODIUM WITH IMMIGRATION AND BAGGAGE AIGA ICONS)	1	6' X 36"	CBP PROCESSING AREA		CONTRACTOR
I	110	1 FULL SET OF STATUTORY SIGNS (TOTAL 10 SIGNS) (ON NORTH WALL OF ROOM 110)	1 FULL SET	11" X 17"	CBP PROCESSING AREA - 1 FULL SET OF STATUTORY SIGNS (TOTAL 10 SIGNS)		CBP
J	108A/110	EXIT FROM PROCESSING - "THANK YOU FOR YOUR COOPERATION" (ON WALL AT DOORS 108 & 110)	2	8' X 11.5"	THANK YOU FOR YOUR COOPERATION		CONTRACTOR
K	106/111	RESTRICTED AREA - AUTHORIZED PERSONNEL ONLY (ON EXTERIOR OF DOORS 110 & 106)	2	11" X 17"	RESTRICTED AREA - AUTHORIZED PERSONNEL ONLY		CBP
L	109	LINEX RESTROOM (ON WALL AT DOOR 109); BRAILLE REQUIRED	1	8' X 11.5"	TOILET		CONTRACTOR
M	101	AUTHORIZED PERSONNEL ONLY (ON DOOR 101)	1	11" X 17"	AUTHORIZED PERSONNEL ONLY		CBP
N	101	CBP OFFICE (ON WALL AT DOOR 101); BRAILLE REQUIRED	1	8' X 11.5"	101 CBP OFFICE		CONTRACTOR
O	107	STORAGE ROOM (ON WALL AT DOOR 107); BRAILLE REQUIRED	1	8' X 11.5"	107 STORAGE		CONTRACTOR
P	106	LAN ROOM (ON WALL AT DOOR 106); BRAILLE REQUIRED	1	8' X 11.5"	106 LAN ROOM		CONTRACTOR
Q	103/107	AUTHORIZED PERSONNEL ONLY (ON DOORS 103 & 107)	1	11" X 17"	AUTHORIZED PERSONNEL ONLY		CBP
R	103	SELECTED STATUTORY SIGNS (ON WALL IN DETENTION SUITE)	1 EACH	11" X 17"	SELECTED STATUTORY SIGNS: (1) ASSAULTING AN OFFICER OR EMPLOYEE OF THE UNITED STATES; (2) SEARCH AND DETENTION OF PERSONS, MERCHANDISE AND CONVEYANCES; (3) EXPLOSIVES, FIREARMS AND WEAPONS ARE PROHIBITED; (4) ILLEGAL DRUGS; (5) CURRENCY AND MONETARY INSTRUMENTS; (TOTAL 5 SIGNS)		CONTRACTOR
S	105	INTERVIEW ROOM (ON WALL AT DOOR 105); BRAILLE REQUIRED	1	8' X 11.5"	105 INTERVIEW ROOM		CONTRACTOR
T	104	SEARCH ROOM (ON WALL AT DOOR 104); BRAILLE REQUIRED	1	8' X 11.5"	104 SEARCH ROOM		CONTRACTOR
U	109	LINEX RESTROOM (ON WALL AT DOOR 109); BRAILLE REQUIRED	1	8' X 11.5"	BABY CHANGING STATION		CONTRACTOR
V	SEE PLAN	SEE PLAN; BRAILLE REQUIRED	1	8' X 8"	EXIT		CONTRACTOR
W	110	15 SECOND DELAYED EGRESS (ON WALL AT DOOR 110); BRAILLE REQUIRED	1	8' X 11.5"	CARD REQUIRED FOR EXIT OR ALARMED EXIT. PUSH BAR UNTIL THE ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS		CONTRACTOR
X	EXTERIOR	IDENTITY SIGNAGE - ON WALL AT ENTRANCE TO GAF - AT BOTH LANDSIDE AND AIRSIDE ENTRANCES 12" DIA. SEAL WITH 4" TALL LETTERS - PANEL SIGN STYLE	2	2.06' H X 7.89' L	DHS SEAL: U.S. CUSTOMS AND BORDER PROTECTION BLUE GRASS AIRPORT		CONTRACTOR

JOB NO.	1508/XAC016
DATE	09/25/2017
DRAWN	KRM
CHECKED	CMR

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REVISIONS		
No.	Description	Date

SHEET

P1.0

SYMBOLS & ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR		POINT OF CONNECTION
AFR	ABOVE FINISHED ROOF		LIMIT OF DEMOLITION
C.I.	CAST IRON		PIPE ELBOW TURNING UP/TURNING DOWN
CW	DOMESTIC COLD WATER		PIPE TEE TURNING UP/TURNING DOWN
DN	DOWN		SANITARY WASTE PIPING
FPWH	FREEZE PROOF WALL HYDRANT		VENT PIPING
HB	HOSE BIBB		EXISTING PIPING (THIN LINE)
HW	DOMESTIC HOT WATER		ABANDONED EXISTING PIPING (THIN LINE)
IAW	IN ACCORDANCE WITH		DOMESTIC COLD WATER PIPING
ID	INSIDE DIMENSION		DOMESTIC HOT WATER SUPPLY
IE	INVERT ELEVATION		DOMESTIC RECIRCULATING HOT WATER
NTS	NOT TO SCALE		CLEANOUT IN CEILING SPACE
NIC	NOT IN CONTRACT		FLOOR CLEANOUT
NO	NORMALLY OPEN		EXTERIOR CLEANOUT
NC	NORMALLY CLOSED		BALANCING VALVE
OD	OUTSIDE DIMENSION		BALL VALVE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED		SAFETY RELIEF VALVE
OFIO	OWNER FURNISHED, OWNER INSTALLED		SAFETY RELIEF VALVE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED		STRAINER
OR	OPEN RECEPTACLE		CHECK VALVE
ORL	OVERFLOW ROOF LEADER		DOUBLE CHECK VALVE ASSEMBLY
PSI	POUNDS PER SQUARE INCH		PIPING UNION
RHW	DOMESTIC RECIRCULATING HOT WATER		THERMOMETER
SR	SANITARY RISER		PETE'S PLUG
TB	THRUST BLOCK		FLOOR DRAIN DESIGNATOR
TE	TOP ELEVATION		PLUMBING FIXTURE DESIGNATOR
TP	TRAP PRIMER		EQUIPMENT TAG DESIGNATOR
TYP	TYPICAL		TAGGED NOTE DESIGNATOR
UON	UNLESS OTHERWISE NOTED		REVISION DESIGNATOR
VTR	VENT THRU ROOF		TEMPERATURE SENSOR
			HOSE BIB

PLUMBING GENERAL NOTES

- COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING.
- PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS, THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, ETC., SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
- ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
- ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.
- LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT THAT UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.)
- INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- THE CONTRACTOR SHALL RELOCATE OR AVOID EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
- THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND 2009 IECC.
- WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

PLUMBING DEMOLITION NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
- ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.O.N) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

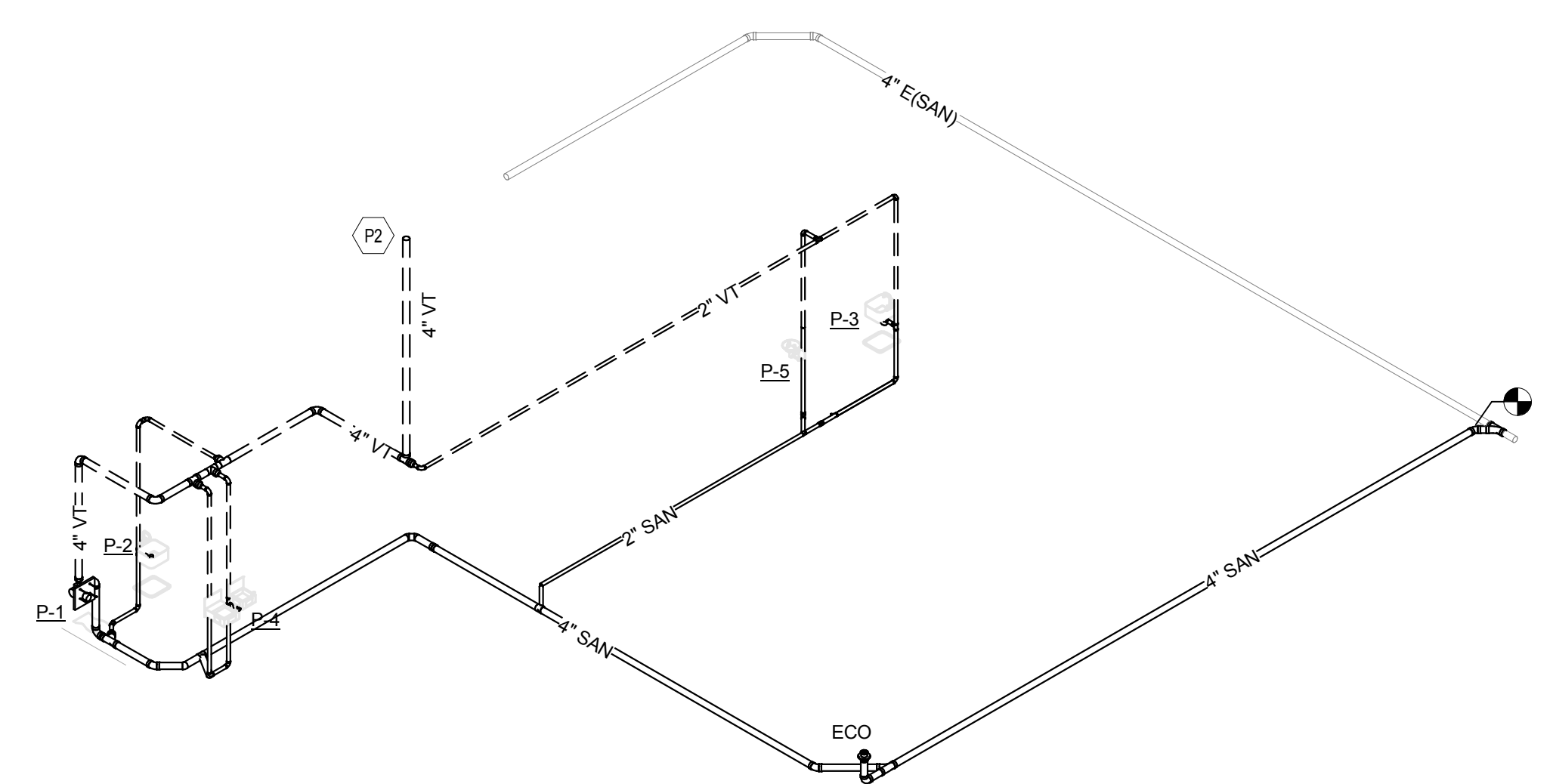
PHASING NOTES

- THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

PLUMBING FIXTURE SCHEDULE					
FIXTURE TAG	DESCRIPTION	CW	HW	VENT	WASTE
P-1	WATER CLOSET - FLOOR MOUNTED - MANUAL FLUSH VALVE - ADA COMPLIANT - VITREOUS CHINA, 18" HIGH ELONGATED BOWL, SIPHON JET, 1 1/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES, PROVIDE MANUAL 1.6 GPF FLUSH VALVE WITH HANDLE AT A MAXIMUM OF 31" AFF.	1-1/2"	-	2"	4"
P-2	LAVATORY - WALL HUNG W/ SINGLE LEVER FAUCET - ADA COMPLIANT - VITREOUS CHINA, 20"X18" WALL HUNG LAVATORY WITH 4" FAUCET CENTERS, CONCEALED ARMS AND 4" HIGH BACKSPASH, PROVIDE WITH A 0.5 GPM SINGLE LEVER FAUCET, CHROME PLATED 3/8" SUPPLIES WITH STOPS, GRID DRAIN, A KENTUCKY CODE P-TRAP, TAILPIECE AND ESCUTCHEONS. MOUNT LAVATORY AT A HEIGHT LEAVING A CLEARANCE OF AT LEAST 29" FROM THE FLOOR TO THE APRON AND THE RIM AT A MAXIMUM OF 34" AFF. PROVIDE ON THE EXPOSED WASTE PIPE AND WATER SUPPLY LINES A TRAP-WRAP INSULATION KIT WITH A VINYL AND PLASTIC COVERING.	1/2"	1/2"	2"	2"
P-3	SINGLE COMPARTMENT SINK - SINGLE COMPARTMENT STAINLESS STEEL SINK, 19"X21" O.D., 14"X18" I.D., 6 1/2" DEEP, 18 GAUGE, WITH 8" CENTERS. PROVIDE WITH 8" RIGID SPOUT GOOSENECK FAUCET WITH 4" WRIST BLADE CONTROL HANDLES, REAR CENTERED CRUMB CUP STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, KENTUCKY CODE P-TRAP, TAILPIECE AND ESCUTCHEONS.	1/2"	1/2"	2"	2"
P-4	ELECTRIC WATER COOLER - BI LEVEL - ADA COMPLIANT - BI LEVEL BARRIER FREE WATER COOLER WITH SINGLE COMPRESSOR, WATER SUPPLY, DRAIN AND ELECTRICAL CONNECTION, 8.0 GPH OF 50°F WATER AT 90°F AMBIENT AND 80°F INLET WATER, 18.8 GAUGE STAINLESS STEEL BASIN, 1.5 HP COMPRESSOR, 115V/1PH, SURFACE MOUNTED TO THE WALL WITH CHILLER BELOW BOWL, AND SIDE AND FRONT PUSH BAR OPERATORS. MOUNT SO THE BOTTOM OF THE LOWER COOLER IS AT 9" MINIMUM AFF WITH A CLEARANCE OF 27" MINIMUM FROM THE BOTTOM OF THE APRON OF THE BOWL TO THE FINISHED FLOOR. THE DIMENSION TO THE CENTERLINE OF THE LOWER COOLER BUBBLER SHALL BE 37"	1/2"	-	2"	2"
P-5	EMERGENCY EYE/FACE WASH STATION - GUARDIAN G1724 OR EQUAL EYE/FACE WASH WITH FOUR QS PLUS SPRAY HEADS, STAINLESS STEEL BOWL, AND STAY-OPEN BALL VALVE. EACH SPRAY HEAD SHALL HAVE A REMOVABLE ABS PLASTIC SPRAY COVER, RETICULATED POLYURETHANE FILTER, SELF-REGULATING FLOW CONTROL AND INTEGRAL "FLIP-TOP" DUST COVER. PROVIDE WITH LEONARD TA-300-STSTL-REC OR EQUAL EMERGENCY MIXING VALVE TO PROVIDE TEPID WATER TO EYE/FACE WASH UNIT. ASSEMBLY SHALL INCLUDE 1/2" INLETS CHECK AND STOP VALVES AND 1/2" OUTLET. MIXING VALVE SHALL BE MOUNTED IN A RECESSED STAINLESS STEEL CABINET WITH LOCKING DOOR.	1/2"	1/2"	-	-

TAGGED NOTES

P2 4" VENT THRU ROOF. SEAL ROOF PENETRATION WATER TIGHT.

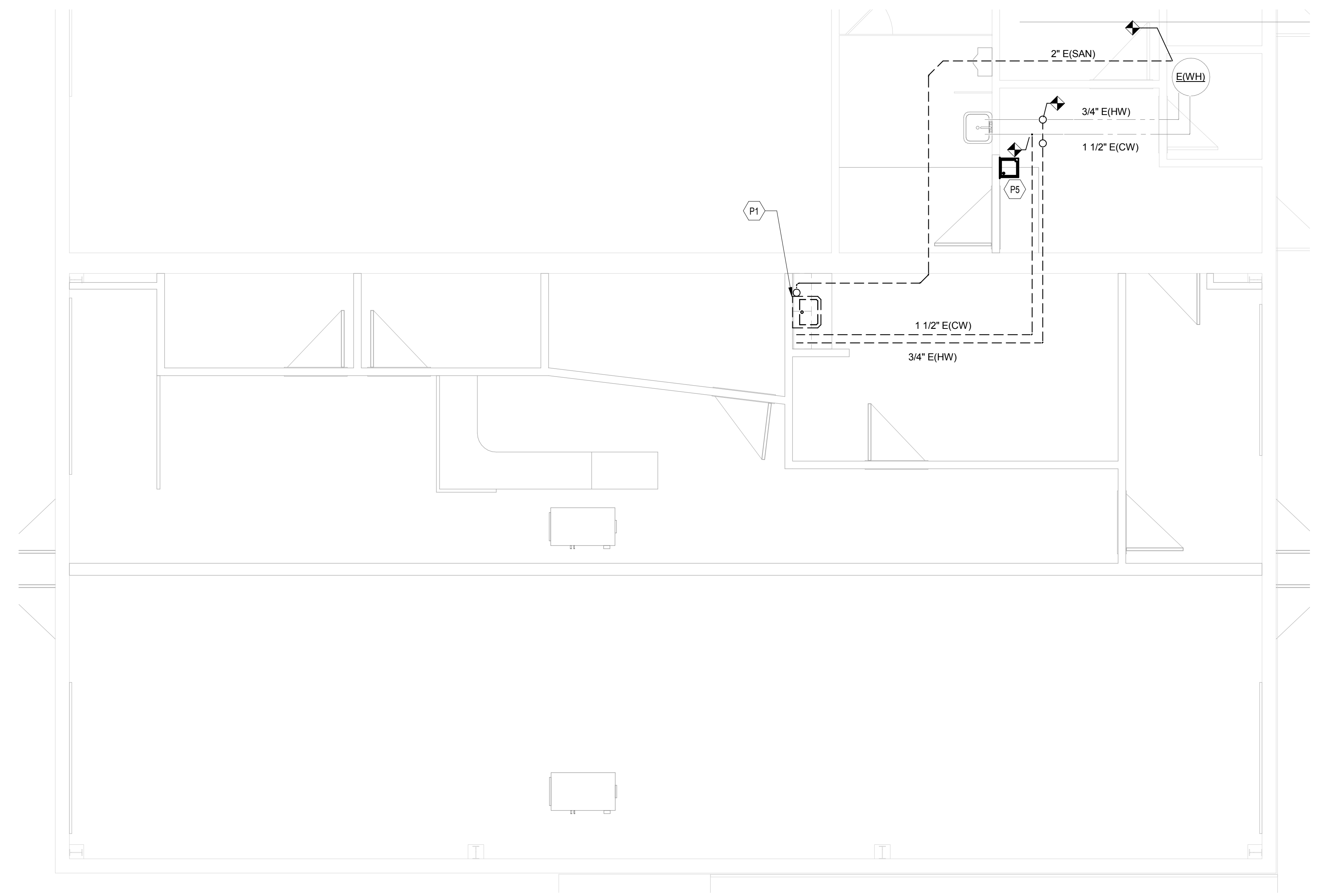


1 SANITARY WASTE AND VENT RISER

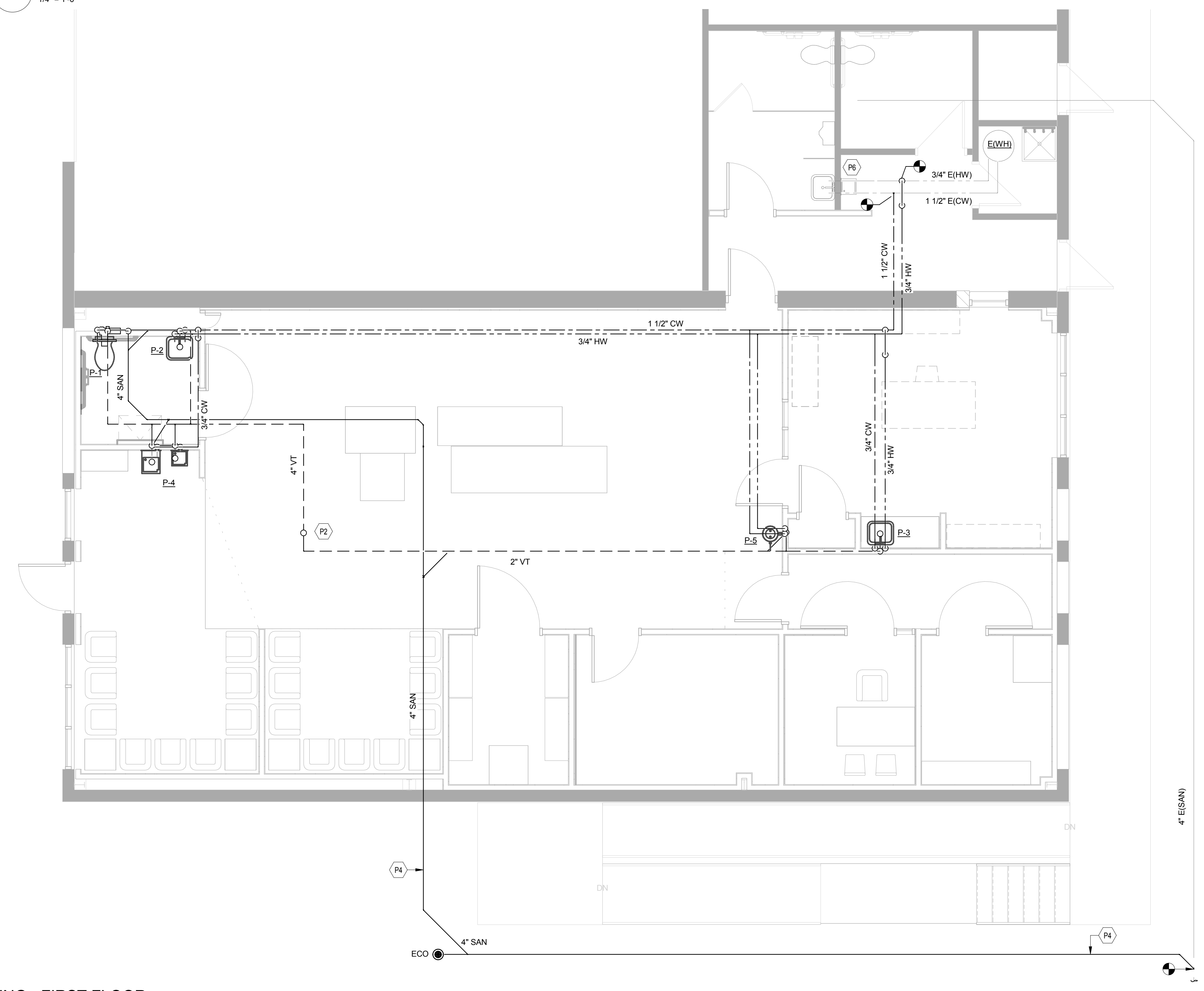
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No.	Description	Date

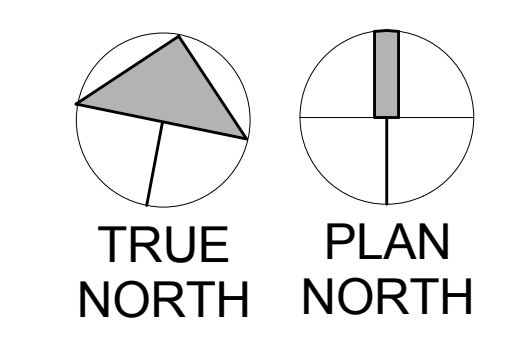
- TAGGED NOTES**
- P1 DEMO EXISTING SINK AND UNDER COUNTER PUMP.
 - P2 4" VENT THRU ROOF. SEAL ROOF PENETRATION WATER TIGHT.
 - P4 PATCH AND REPAIR ASPHALT AND CONCRETE PER ARCHITECTURAL REQUIREMENTS.
 - P5 SALVAGE EXISTING DRINKING FOUNTAIN. CONNECT TO EXISTING WATER AND WASTE SUPPLY LINES.
 - P6 RELOCATE EXISTING DRINKING FOUNTAIN. CONNECT TO EXISTING WATER AND WASTE SUPPLY LINES.



1 DEMO - PLUMBING - FIRST FLOOR
1/4" = 1'-0"



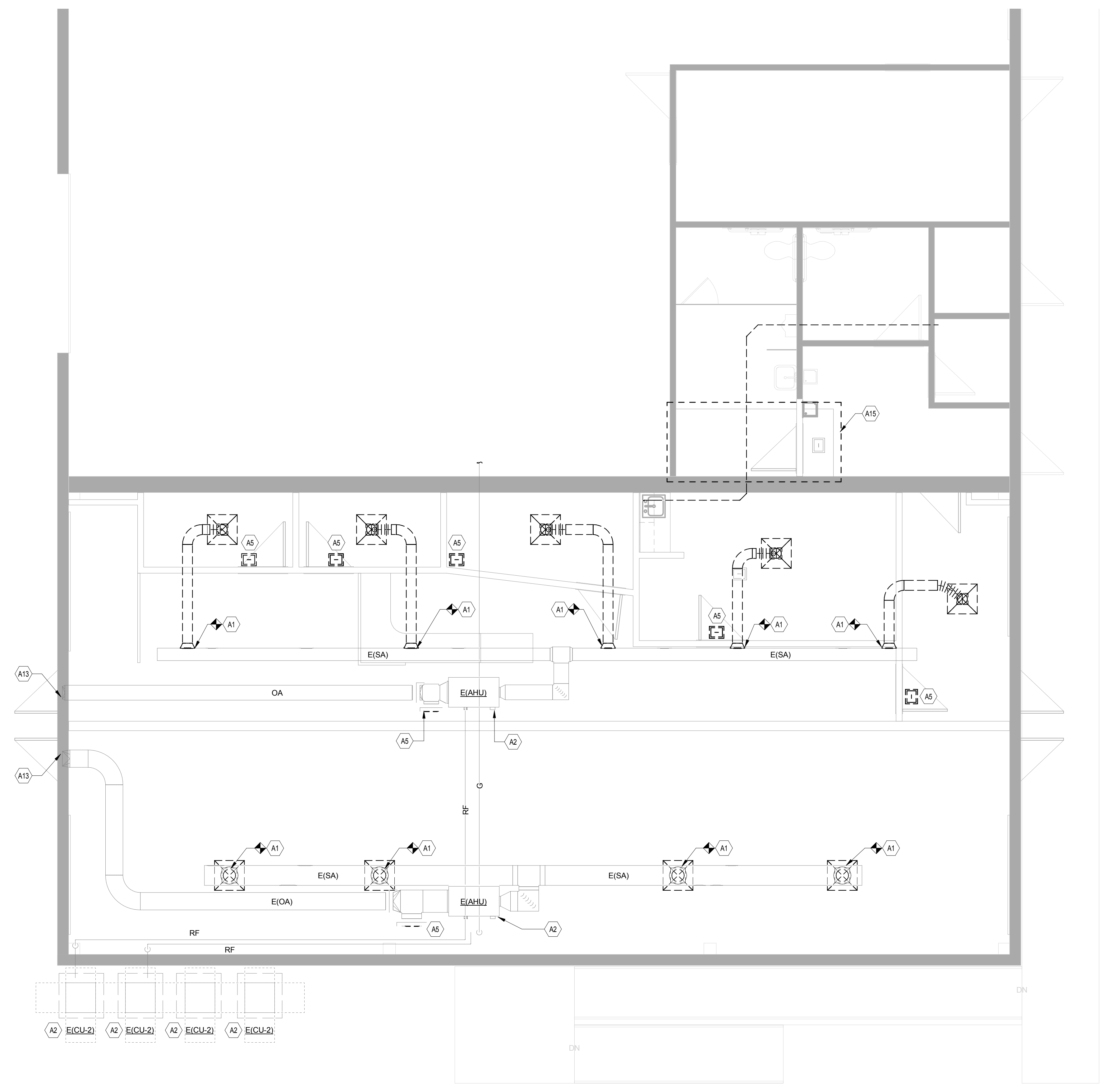
2 PLUMBING - FIRST FLOOR
1/4" = 1'-0"



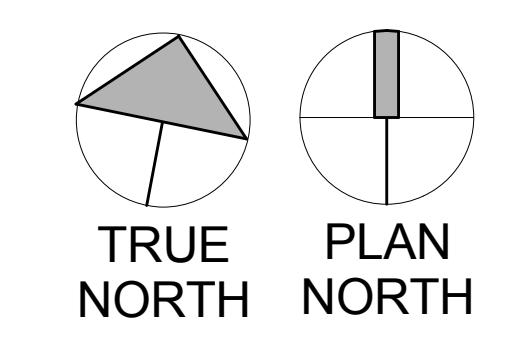
TAGGED NOTES
 A1 REMOVE EXISTING DIFFUSER AND BRANCH DUCT, CAP AND PATCH MAIN DUCT SHEET METAL AND INSULATION.
 A2 EXISTING EQUIPMENT TO REMAIN.
 A5 REMOVE EXISTING GRILLE.
 A13 EXISTING INTAKE LOUVER TO REMAIN.
 A15 SALVAGE EXISTING GRILLES AND DUCTWORK IN THIS AREA.

BLUEGRASS AIRPORT
CUSTOMS FACILITY
RENOVATIONS
LEXINGTON, KY

DEMO - FIRST FLOOR AIR
DISTRIBUTION



1 DEMOLITION MECHANICAL FLOOR PLAN
1/4" = 1'-0"



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SHEET

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ELECTRICAL GENERAL NOTES

EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCURATELY TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.

- ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON, IF IN DOUBT, CONTACT THE ENGINEER.
ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO.
INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL BUILDING YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.
WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).
COORDINATE WITH ARCHITECTURAL, FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLE ELECTRICAL DEVICES, ETC.
CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON Z' DIMENSION OF 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION.
ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.
PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.
DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. PRIOR OR SIMULTANEOUSLY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
WHERE INTERRUPTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE PROCEEDING WITH INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.
COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY REINSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT. UNLESS WAIVED BY THE ENGINEER IN WRITING.
ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPICES, CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUSLY INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ORANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH IN.
FLUSH OR PEDestal TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT. UNLESS OTHERWISE SHOWN ON PLANS, IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK. FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.
ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT. AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION, A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.
JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILING SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.
ALL ITEMS HAVING KEYS, LOCKS/OPERATORS SHALL HAVE CORRED LOCKS/OPERATORS. ALL KEYS SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

1 ELECTRICAL LEGEND 12" = 1'-0"

Table with 3 columns: MOUNTING HEIGHT TO CENTER OF BOX, DRAWING SYMBOL, and DESCRIPTION. Includes categories like LIGHTING CONTROL SWITCHES, POWER OUTLETS, MAIN ALARM, and MISCELLANEOUS.

Table with 3 columns: MOUNTING HEIGHT TO CENTER OF BOX, DRAWING SYMBOL, and DESCRIPTION. Includes categories like LIGHTING, MISCELLANEOUS, TELEVISION, and SECURITY PANIC ALARM.

Table with 3 columns: MOUNTING HEIGHT TO CENTER OF BOX, DRAWING SYMBOL, and DESCRIPTION. Includes categories like TELEVISION, SECURITY PANIC ALARM, SECURITY INTRUSION DETECTION, and DATA/VOICE.

Table with 3 columns: MOUNTING HEIGHT TO CENTER OF BOX, DRAWING SYMBOL, and DESCRIPTION. Includes categories like SECURITY PANIC ALARM, SECURITY INTRUSION DETECTION, and DATA/VOICE.

Table with 3 columns: SYSTEM RESPONSIBILITY MATRIX, SYSTEM, and COMPANY CONTACT. Lists systems like Fire Alarm, Security Panic Alarm, Security Access Control, etc., and their respective companies and contact info.

Table with 2 columns: JOB NO. (1508/XAC016) and DATE (09/25/2017). Also includes a drawing title block with 'E1.0' and other project details.

BLUEGRASS AIRPORT CUSTOMERS FACILITY RENOVATIONS LEXINGTON, KY

ELECTRICAL LEGEND

Table with 2 columns: JOB NO. (1508/XAC016) and DATE (09/25/2017). Includes drawing title and author info.

Table with 2 columns: CHECKED (WRS) and DRAWN (AKP).

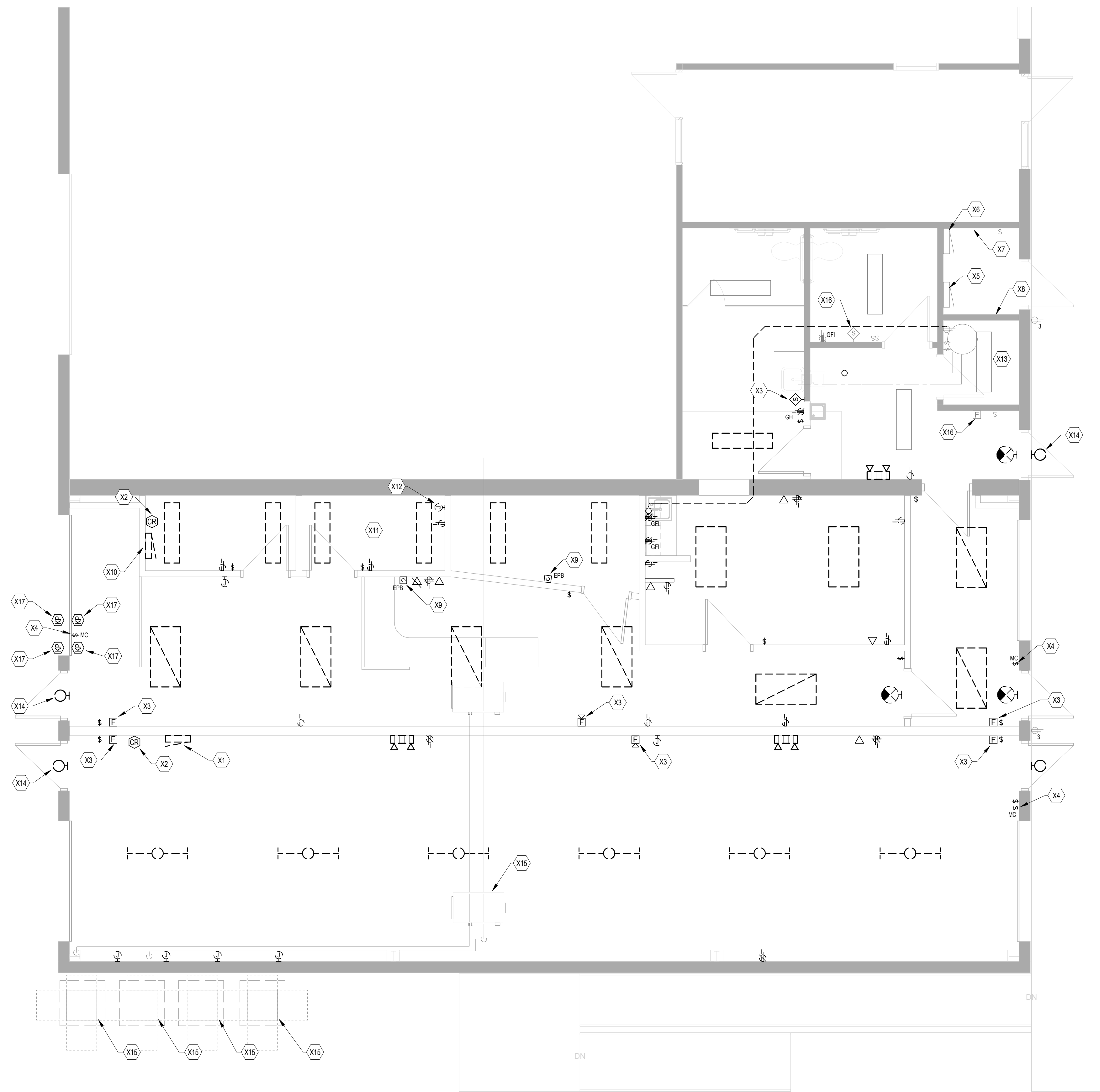
Table with 2 columns: REVISIONS (No., Description, Date) and SHEET (E1.0).

1508/XAC016 BLUEGRASS AIRPORT CUSTOMERS FACILITY RENOVATIONS 10/20/2017 2:38:16 PM

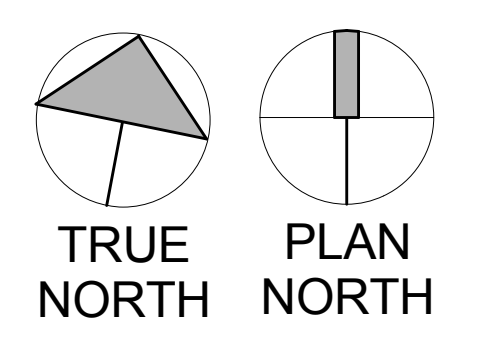
REVISIONS		
No.	Description	Date

- GENERAL NOTES (DEMOLITION):**
- DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
 - THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION WORKING ORDER." "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
 - LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPRIETORS TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
 - REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE). WHETHER INDICATED OR NOT (UON), CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
 - COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
 - COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
 - PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
 - CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
 - UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
 - EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
 - CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
 - DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
 - ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

- TAGGED NOTES**
- EXISTING PANEL PPS. PANEL TO BE REMOVED AND RELOCATED. SALVAGE EXISTING FEEDER. PANEL IS 120/240 VOLT, RATED AT 100 AMPS.
 - EXISTING MATRIX SYSTEM ACCESS CONTROL PANEL TO BE SALVAGED AND REINSTALLED AT NEW LOCATION.
 - EXISTING FIRE ALARM DEVICE TO BE SALVAGED AND REUSED IN EXPANDED SIMPLEX SYSTEM.
 - MOMENTARY CONTACT SWITCH TO BE REMOVED.
 - EXISTING PANEL PP2 TO REMAIN.
 - EXISTING PANEL PP3 TO REMAIN.
 - EXISTING TELECOMMUNICATION BACKBOARD AND SERVICE ENTRANCE. SERVICE TO REMAIN.
 - EXISTING SIMPLEX FIRE ALARM CONTROL PANEL (FACP) 4010 TO BE EXPANDED AS NEEDED FOR AREA OF RENOVATION.
 - EXISTING EMERGENCY PUSH BUTTON TO BE SALVAGED AND REUSED.
 - EXISTING PANELS TO BE REMOVED AND RELOCATED. SALVAGE EXISTING FEEDER. PANEL IS 120/240 VOLT, RATED AT 100 AMPS.
 - EXISTING IT SERVER TO BE RELOCATED. PROVIDE NETWORK CONNECTIONS TO NEW LAN/TELECO ROOM.
 - EXISTING EIGHT (8) CAT 5E NETWORK CONNECTIONS. CABLES TO BE REMOVED.
 - EXISTING WATER HEATER WITH ELECTRICAL CONNECTIONS TO REMAIN. REFEED AS NEEDED.
 - EXISTING EMERGENCY EGRESS REMOTE HEAD TO REMAIN AND REFEED VIA NEW INVERTER POWER SUPPLY.
 - EXISTING MECHANICAL UNIT TO REMAIN. MAINTAIN POWER AS NEEDED.
 - EXISTING FIRE ALARM DEVICE EXISTING TO REMAIN. MAINTAIN OPERATION.
 - EXISTING ACCESS CONTROL READER/KEYPAD TO BE REMOVED. REVISE ACCESS CONTROL PROGRAMMING TO REFLECT REMOVAL OF DEVICES.



1 DEMO - FIRST FLOOR
1/4" = 1'-0"



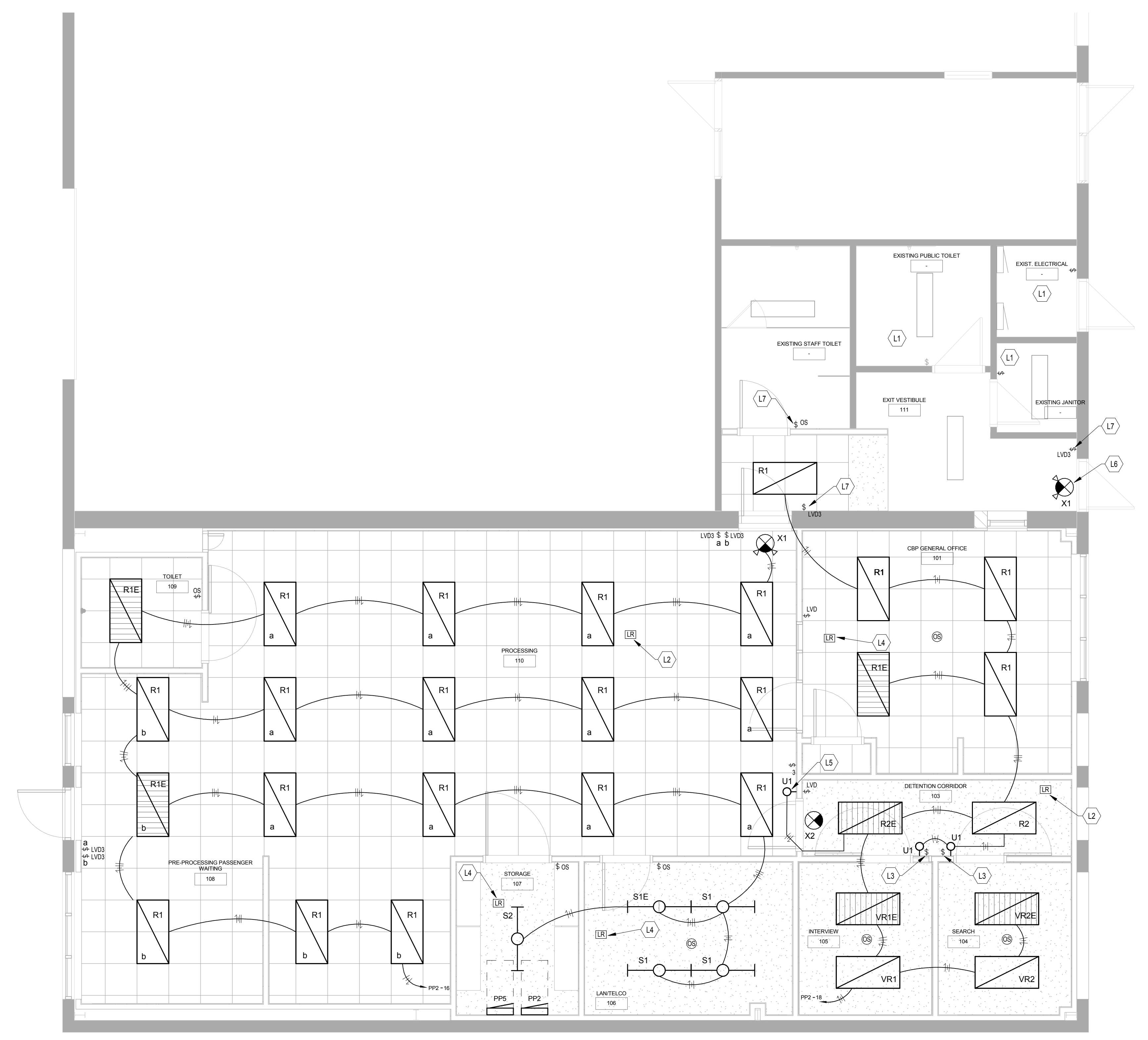
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GENERAL NOTES (LIGHTING):

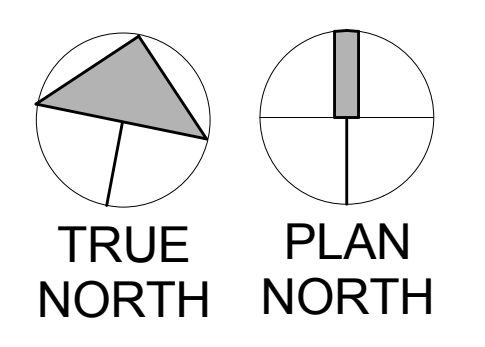
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR SHALL NOT BE PERMITTED).
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY. IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY, RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES

- EXISTING ROOM LIGHT FIXTURES AND CONTROLS REMAIN AND RECIRCUITED.
- LIGHTING CONTROL RELAY WITH NETWORK INTERFACE, RELAYS TO PROVIDE AUTOMATIC LIGHTING CONTROL VIA PROGRAMMABLE TIMECLOCK SCHEDULE.
- LIGHT CONTROL SWITCH TO BE VANDAL PROOF (INSTITUTION GRADE).
- LIGHTING CONTROL RELAY FOR LOCAL LIGHTING CONTROL (SWITCH/OCCUPANCY SENSOR).
- PROVIDE WALL MOUNTED "IN USE" LIGHT TO ILLUMINATE UPON LIGHT CONTROL ON STATUS IN ROOMS 103, 104, AND 105. LIGHT TO BE LASERMET SLIM JIM THIN PROFILE LED "ROOM IN USE" SIGN OR EQUAL.
- REPLACE EXISTING EXIT SIGN WITH TYPE X1.
- NEW LIGHTING CONTROL SWITCH, CIRCUIT TO EXISTING FIXTURES.



1 LIGHTING - FIRST FLOOR
1/4" = 1'-0"



JOB NO.	1508/XACO16
DATE	09/25/2017
DRAWN	AKP
CHECKED	WRS

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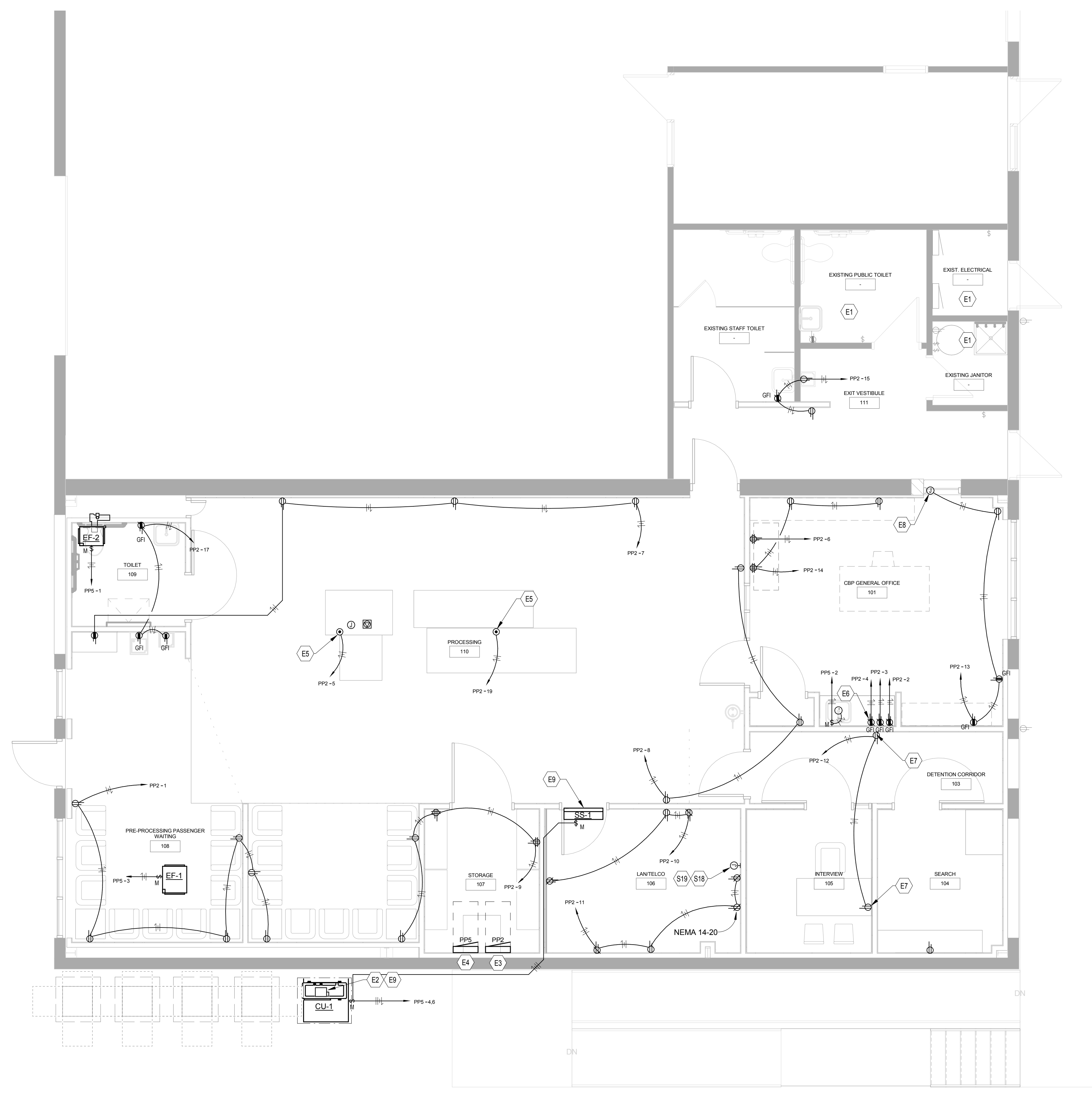
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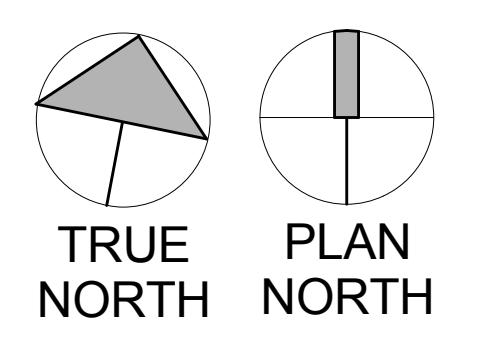
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- GENERAL NOTES (POWER):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100.1/210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
 - RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
 - LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

- TAGGED NOTES**
- EXISTING ROOM TO REMAIN. MAINTAIN POWER TO EQUIPMENT LOCATED AT THESE LOCATIONS.
 - DISCONNECT TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
 - RELOCATED PANEL PP2. REWORK FEEDER TO LOCATION SHOWN.
 - RELOCATED PANEL PPS. REWORK FEEDER TO LOCATION SHOWN.
 - PROVIDE NEW RECESSED FLOOR BOX WITH QUAD RECEPTACLE AT PODIUM.
 - RECEPTACLE DEDICATED FOR MICROWAVE ONLY.
 - RECEPTACLES AT LOCATIONS SHOWN ARE TO BE TAMPER PROOF (INSTITUTIONAL) TYPE.
 - POWER FOR TRANSACTION WINDOW.
 - POWER CONNECT PROVIDED WITH OUTDOOR UNIT.
 - ALL CCTV SIGNALS TO HOMERUN TO LANTELCO ROOM. SECURITY VENDOR TO PROVIDE NETWORK VIDEO RECORDER WITH 45 DAY BACKUP. CBP OFFICE TO HAVE SELECT REVIEW/MONITOR PERMISSIONS AND CBP TO HAVE ADMINISTRATIVE PERMISSIONS.
 - PROVIDE LOCAL VIDEO MONITORING AND CONTROL STATION. COORDINATE WITH SECURITY VENDOR AND CBP.



1 POWER - FIRST FLOOR
1/4" = 1'-0"



JOB NO.	1508/XACO16
DATE	09/25/2017
DRAWN	AKP
CHECKED	WRS

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SHEET

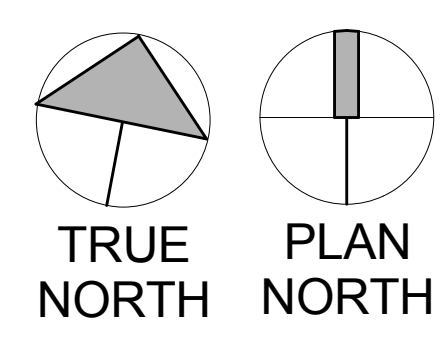
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- GENERAL NOTES (SYSTEMS):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
 - REFER TO SYSTEM INSTALLATION MATRIX (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
 - THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
 - CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

- TAGGED NOTES**
- FIXED CCTV INTERVIEW CAMERA WITH WIDE-ANGLE LENS. HOMERUN NETWORK CABLE TO LANTELCO ROOM 106 RACK. CAMERA TO INCLUDE MICROPHONE WITH AUDIO RECORDING.
 - RECESSED DURESS ALARM BUTTON CONCEALED UNDER TABLE. CONNECT TO CCC AND/OR OTHER DBP DESIGNATED LOCATION.
 - INTERVIEW CAMERA MONITOR.
 - SMOKE DETECTOR IN SEARCH AND INTERVIEW ROOM TO HAVE INSTITUTIONAL RATED COVER (SHROUD).
 - LANTELCO ROOM IS TO BE SHIELDED. COORDINATE ROOM PENETRATION AND PROVIDE UNIQUE GROUND.
 - PROVIDE AUDIOVISUAL DURESS ALARM INDICATOR OVER DOOR.
 - DETENTION GRADE MICROPHONE. CEILING MOUNTED TO BE PROVIDED BY SECURITY VENDOR. PROVIDE SINGLE GANG BACKBOX WITH 3/4" CONDUIT TO SECURITY HEADEND. AUDIO/VIDEO TO BE RECORDED VIA NETWORKED VIDEO RECORDER.
 - NEW RECESS FLOOR BOX TO INCLUDE (4) DATA CONNECTIONS AND MICROPHONE AND CAMERA SYSTEM CABLING WITH INTERFACE TO SECURITY SYSTEM.
 - REUSE EXISTING ACCESS CONTROL KEYPAD AT LOCATION SHOWN.
 - DOOR TO HAVE REMOTE RELEASE FROM PROCESSING 110 PODIUM. SEE NOTE S11.
 - PROVIDE REMOTE RELEASE CARD READER FOR EXIT VESTIBULE 111 DOOR.
 - ACCESS CONTROL SYSTEM IS TO BE EXPANSION OF EXISTING FACILITY SYSTEM. ACCESS CONTROL TO BE BY SECURITY VENDOR (MATRIX SYSTEMS). COORDINATE ALL RACEWAY, POWER, CABLING INSTALLATION, AND OPERATION WITH VENDOR.
 - KEYPAD TO DISABLE LANTELCO INTRUSION DEVICES ONLY. CODE ENTERED SHUTS OFF MOTION DETECTION AND DOOR ALARMS WITHIN A 60 SECOND WINDOW.
 - SECURITY SYSTEM IS TO BE MONITORED BY AIRPORT SECURITY. COORDINATE MONITORING METHOD WITH CBP AND SEGREGATE ALARMS AND DEVICES ACCORDINGLY.
 - REMOTE INTERCOM STATION WITH NETWORK CONNECTION. CONNECT TO MASTER INTERCOM LOCATED IN CBP GENERAL OFFICE 101.
 - INTERCOM MASTER STATION TO BE LOCATED NEAR TRANSACTION WINDOW.
 - PROVIDE LOCAL VIDEO MONITORING AND CONTROL STATION. COORDINATE WITH SECURITY VENDOR AND CBP.
 - PROVIDE REMOTE RELEASE CARD READER FOR DOOR 108.
 - WIRE MESH NEEDS TO ALSO BE PLACED ON THE CEILING IN THE SEARCH ROOM.
 - ACCESS CONTROL PANEL.



1 SYSTEMS - FIRST FLOOR
1/4" = 1'-0"



REVISIONS		
No.	Description	Date

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MODEL	LUMENS	WATTAGE	VOLTAGE		
	FIXTURE DESCRIPTION	MANUFACTURER AND SERIES MODEL	TRUE LUMEN OUTPUT	TOTAL WATTAGE	VOLTAGE	MOUNT	ORDERING INFORMATION
R1	RECESSED 2' X 4' LED VOLUMETRIC TROFFER WITH CURVED, LINEAR LENS, 2-3/8" DEEP STEEL HOUSING, INTEGRAL T-BAR CLIPS, COLD ROLLED STEEL REFLECTOR, POLYESTER POWDER COAT AFTER FABRICATION, IMPACT RESISTANT MODIFIED ACRYLIC PRISMATIC REFRACTOR WITH POLYMER LIGHT DIFFUSING FILM, INTEGRAL 89% EFFICIENT LOW INRUSH MULTI-VOLT 0-10V DIMMABLE DRIVER, 4000 KELVIN 82 CRI LED ARRAY PRODUCING 4800 DELIVERED LUMENS, L90 RATED LIFE OF 60,000 HOURS	LITHONIA 2BLT4 OR EQUAL	5,117	45	120V	CEIL	2BLT4-48L-ADSM-LP840
R1E	SAME AS PARENT TYPE. INCLUDE BATTERY PACK FOR EMERGENCY LIGHTING.	LITHONIA 2BLT4 OR EQUAL	5,117	45	120V	CEIL	2BLT4-48L-ADSM-LP840
R2	RECESSED 2' X 4' LED VOLUMETRIC TROFFER WITH CURVED, LINEAR LENS, 2-3/8" DEEP STEEL HOUSING, INTEGRAL T-BAR CLIPS, COLD ROLLED STEEL REFLECTOR, POLYESTER POWDER COAT AFTER FABRICATION, IMPACT RESISTANT MODIFIED ACRYLIC PRISMATIC REFRACTOR WITH POLYMER LIGHT DIFFUSING FILM, INTEGRAL 89% EFFICIENT LOW INRUSH MULTI-VOLT 0-10V DIMMABLE DRIVER, 4000 KELVIN 82 CRI LED ARRAY PRODUCING 6000 DELIVERED LUMENS, L90 RATED LIFE OF 60,000 HOURS	LITHONIA 2BLT4 OR EQUAL	6,163.60	52.95	120V	CEIL	2BLT4-60L-ADSM-LP840
R2E	SAME AS PARENT TYPE. INCLUDE BATTERY PACK FOR EMERGENCY LIGHTING.	LITHONIA 2BLT4 OR EQUAL	6,163.60	52.95	120V	CEIL	2BLT4-60L-ADSM-LP840
VR1	SURFACE MOUNTED 2' X 4' LED VANDAL RESISTANT, DAMP LOCATION LED TROFFER, 20-GAUGE COLD ROLLED STEEL DOOR FRAME, TAMPER-RESISTANT FASTENERS AND POLYCARBONATE LENS, 18 GAUGE SWING ARMS, UNPAINTED GALVANIZED STEEL, 4000KELVIN, 80 CRI WITH 5000 DELIVERED LUMENS, LONG LIFE LED'S, HIGH EFFICIENCY DRIVERS, LUMEN MAINTENANCE OF L80/60,000 HOURS, L70 RATED LIFE OF 100,000 HOURS.	LITHONIA 2VRTL OR EQUAL	4,388.60	38.70	120V	CEIL	2VRTL-XX-L48-5000LM-APFL-40K-XX-APFL-XX-40K-80CRI
VR1E	SAME AS PARENT TYPE. INCLUDE BATTERY PACK FOR EMERGENCY LIGHTING.	LITHONIA 2VRTL OR EQUAL	4,388.60	38.70	120V	CEIL	2VRTL-XX-L48-5000LM-APFL-40K-XX-APFL-XX-40K-80CRI
VR2	SURFACE MOUNTED 2' X 4' LED VANDAL RESISTANT, DAMP LOCATION LED TROFFER, 20-GAUGE COLD ROLLED STEEL DOOR FRAME, TAMPER-RESISTANT FASTENERS AND POLYCARBONATE LENS, 18 GAUGE SWING ARMS, UNPAINTED GALVANIZED STEEL, 4000 KELVIN, 80 CRI WITH 7000 DELIVERED LUMENS, LONG LIFE LED'S, HIGH-EFFICIENCY DRIVERS, LUMEN MAINTENANCE OF L80/60,000 HOURS, L70 RATED LIFE OF 100,000 HOURS.	LITHONIA 2VRTL OR EQUAL	6,449.30	58.50	120V	CEIL	2VRTL-XX-L48-7000LM-APFL-40K-XX-APFL-XX-40K-80CRI
VR2E	SAME AS PARENT TYPE. INCLUDE BATTERY PACK FOR EMERGENCY LIGHTING.	LITHONIA 2VRTL OR EQUAL	6,449.30	58.50	120V	CEIL	2VRTL-XX-L48-7000LM-APFL-40K-XX-APFL-XX-40K-80CRI
I1	SUSPENDED MOUNTED LED STRIP LIGHT WITH 20 GAUGE STEEL HOUSING, HIGH GLOSS BAKED WHITE ENAMEL FINISH, REPLACEMENT MEDIUM DIFFUSE ACRYLIC LENS, HIGH OUTPUT LEDS ON TWO LAYER CIRCUIT BOARD, ELECTRONIC LED DRIVER, 5000 KELVIN, 90 CRI WITH 2000 DELIVERED LUMENS, 80 CRI, 85% OUTPUT AT 44,000 HOURS, CSA LISTED FOR DAMP LOCATIONS.	LITHONIA ZL2N OR EQUAL	2,000.00	32.40	120V	STRIP	ZL2N L48 2000LM MDD MVOLT 40K 90CRI WH
I1E	SAME AS PARENT TYPE. INCLUDE BATTERY PACK FOR EMERGENCY LIGHTING.	LITHONIA ZL2N OR EQUAL	2,000.00	32.40	120V	STRIP	ZL2N L48 2000LM MDD MVOLT 40K 90CRI WH
I2	SUSPENDED MOUNTED LED STRIP LIGHT WITH 20 GAUGE STEEL HOUSING, HIGH GLOSS BAKED WHITE ENAMEL FINISH, REPLACEMENT MEDIUM DIFFUSE ACRYLIC LENS, HIGH OUTPUT LEDS ON TWO LAYER CIRCUIT BOARD, ELECTRONIC LED DRIVER, 5000 KELVIN, 90 CRI WITH 3000 DELIVERED LUMENS, 80 CRI, 85% OUTPUT AT 44,000 HOURS, CSA LISTED FOR DAMP LOCATIONS.	LITHONIA ZL2N OR EQUAL	2,894.80	33.20	120V	STRIP	ZL2N L48 3000LM MDD MVOLT 40K 90CRI WH
X1	CEILING MOUNTED, TWIN HEAD, INTERIOR EGRESS LIGHT, CONSTRUCTED OF UV-STABILIZED THERMOPLASTIC WHICH IS CORROSION-RESISTANT WITH A UL94V-0 FLAME RATING, 12 SERIES PARALLEL WHITE LED'S PER HEAD WITH A 10 YEAR LED LAMP LIFE.	LITHONIA ECR LED M6 OR EQUAL	OSHA LUMEN STANDARD	1.50	277V	CEIL	ECR-LED-HO-M6-78423184561
X2	CEILING MOUNTED VANDAL RESISTANT EXIST SIGN, CONSTRUCTED OF CAST ALUMINUM - RUGGED, LOW-PROFILE HOUSING IS .250" TO .525" THICK, CONTAINS UV-STABLE POLY CARBONATE COVER THAT IS 1/32" THICK, COVER IS SECURED WITH FOUR STAINLESS STEEL, TORX T20 TAMPERPROOF SCREW WITH CENTER PIN, 10 YEAR LED LAMP LIFE.	LITHONIA LV OR EQUAL	OSHA LUMEN STANDARD	2.30	277V	CEIL	LV-S-W-1-R-120/277
U1	THIN PROFILE BACKLIT LED SIGN, IT MEASURES 11mm THICK AND REQUIRES NO ADDITIONAL POWER SUPPLY OR TRANSFORMER AND FITS TO EXISTING MAINS POWER SINGLE OR TWIN SOCKET BACKBOXES.	LASERMET SLIM JIM OR EQUAL	OSHA LUMEN STANDARD	4.60	277V	WALL	LEDS-SJ-RIU

NOTES:
1. LAMP AND BALLAST COMBINATION TO HAVE FIVE YEAR WARRANTY FROM THE FIXTURE MANUFACTURER. FURNISH WITH WARRANTY CERTIFICATES.
2. FIXTURE TO BE CIRCUITED TO NEAREST UNSWITCHED EMERGENCY POWER CIRCUIT.
* ALL FIXTURES SHALL BE PRE-LAMPED FROM THE MANUFACTURER

** POINT-BY-POINT CALCULATIONS FOR THE CLASSROOMS, MEDIA CENTER, CAFETERIA, GYMNASIUM AND SITE ARE REQUIRED. MANUFACTURERS WISHING TO BID THIS PROJECT MUST SUBMIT ORIGINAL FIXTURE BROCHURES, AND ELECTRONIC FILE (VISUAL OR AGI32) POINT-BY-POINT CALCULATIONS, TEN (10) DAYS PRIOR TO BID FOR WRITTEN APPROVAL.

PANELBOARD AND WIRING SCHEDULE																	
PANEL: PP2				MAINS TYPE:				KVA VALUE:									
VOLTAGE: 208Y/120V, 3P, 4W				SPD:				AIC RATING:									
AMPERES: 100 A				MOUNTING: SURFACE				LOCATION: STORAGE 107									
SUPPLY FROM:				CIRCUIT DESCRIPTION													
REC PRE-PROCESSING 108	12	12	3/4"	20	1	1	1.1	0.2		2	1	20	3/4"	12	12	REC 101	
REC CBP GEN OFFICE 101	12	12	3/4"	20	1	3		0.2	0.2	4	1	20	3/4"	12	12	REC 101 MICROWAVE 101	
REC PROCESSING FLOOR BOX	12	12	3/4"	20	1	5				0.4	0.4	6	1	20	3/4"	12	REC DED TV 101
REC PROCESSING 110	12	12	3/4"	20	1	7	0.7	0.5		8	1	20	3/4"	12	12	REC PROCESSING 110	
REC 107, 108	12	12	3/4"	20	1	9		0.9	0.5	10	1	20	3/4"	12	12	REC LANTELCO 106	
REC LANTELCO 106	12	12	3/4"	20	1	11				12	1	20	3/4"	12	12	REC 103, 105	
REC CBP GEN OFFICE 101	12	12	3/4"	20	1	13	0.7	0.7		14	1	20	3/4"	12	12	REC 101, 111	
GFI BREAKER	12	12	3/4"	20	1	15		0.5	1.0	16	1	20	3/4"	12	12	LTNG 106, 107, 108, 109, 110	
REC 109 DRINKING FOUNTAINS	12	12	3/4"	20	1	17				18	1	20	3/4"	12	12	LTNG 101, 103, 104, 105	
REC PROCESSING FLOOR BOX	12	12	3/4"	20	1	19	0.4			20							
						21				22							
						23				24							
						25				26							
						27				28							
						29				30							
						31				32							
						33				34							
						35				36							
						37				38							
						39				40							
						41				42							
TOTAL LOAD (kVA):				4.3 kVA				3.3 kVA				2.9 kVA					
TOTAL CURRENT (A):				37 A				28 A				24 A					
LOAD CLASSIFICATION				CONNECTED LOAD				DEMAND FACTOR				ESTIMATED DEMAND					
EQUIP				200 VA				100.00%				200 VA					
LTNG				1512 VA				100.00%				1512 VA					
REC				8820 VA				100.00%				8820 VA					
TOTAL CONNECTED LOAD:				10532 VA				TOTAL ESTIMATED DEMAND:				10532 VA					
TOTAL CONNECTED CURRENT:				29 A				TOTAL ESTIMATED DEMAND CURRENT:				29 A					

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
CIRCUIT #15 TO BE A GFI BREAKER.

PANELBOARD AND WIRING SCHEDULE																
PANEL: PP5				MAINS TYPE:				KVA VALUE:								
VOLTAGE: 208Y/120V, 3P, 4W				SPD:				AIC RATING:								
AMPERES: 100 A				MOUNTING: SURFACE				LOCATION: STORAGE 107								
SUPPLY FROM:				CIRCUIT DESCRIPTION												
EQUIP EF-2 RM 109	12	12	3/4"	20	1	1	0.5	1.0		2	1	20	3/4"	12	12	EQUIP DISPOSAL 101
EQUIP EF-1 108	12	12	3/4"	20	1	3		0.5	0.5	4	2	15	3/4"	12	12	EQUIP CU-1
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
TOTAL LOAD (kVA):				1.5 kVA				1.0 kVA				0.5 kVA				
TOTAL CURRENT (A):				13 A				9 A				4 A				
LOAD CLASSIFICATION				CONNECTED LOAD				DEMAND FACTOR				ESTIMATED DEMAND				
EQUIP				3000 VA				100.00%				3000 VA				
TOTAL CONNECTED LOAD:				3000 VA				TOTAL ESTIMATED DEMAND:				3000 VA				
TOTAL CONNECTED CURRENT:				8 A				TOTAL ESTIMATED DEMAND CURRENT:				8 A				

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.