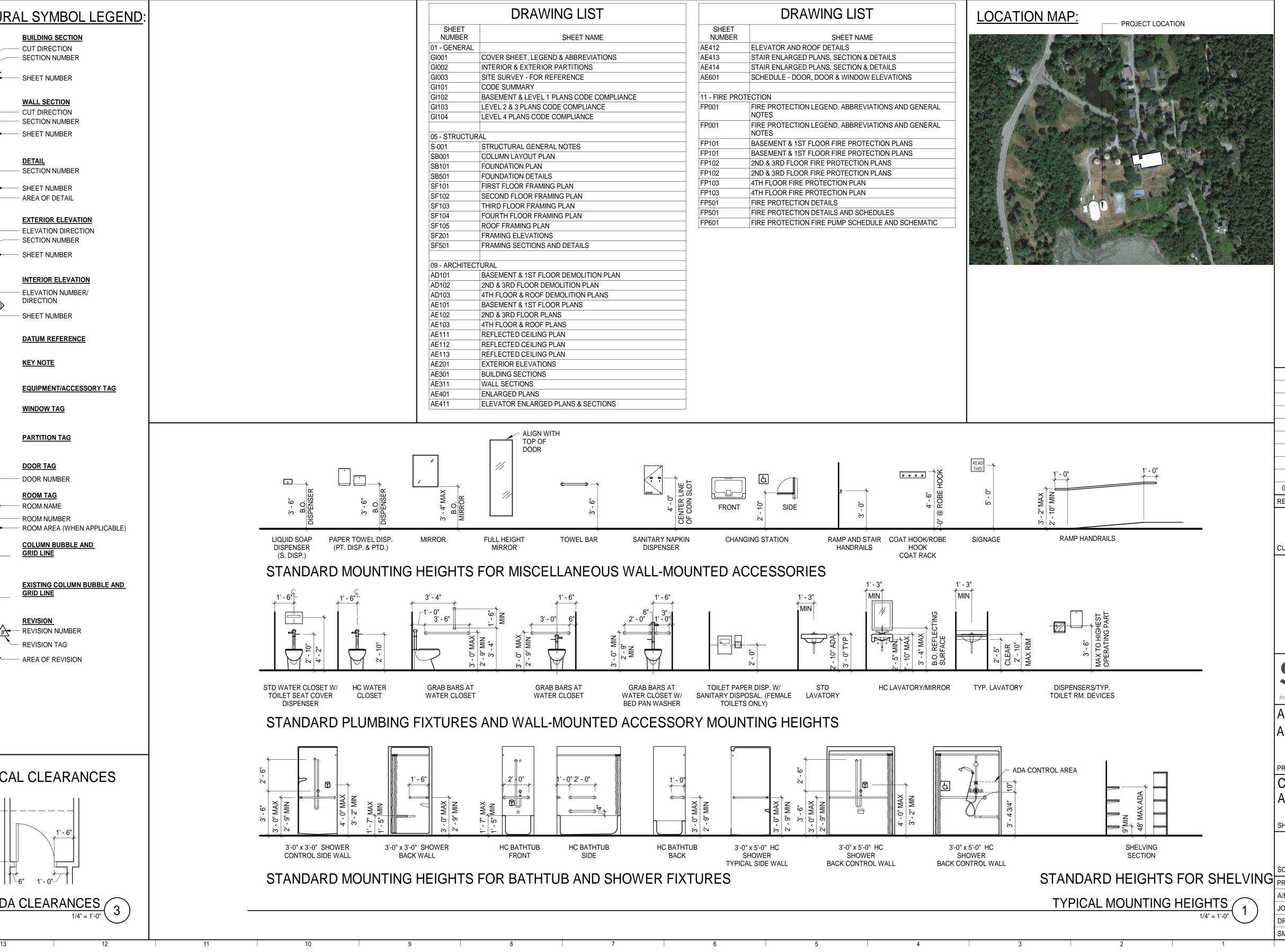
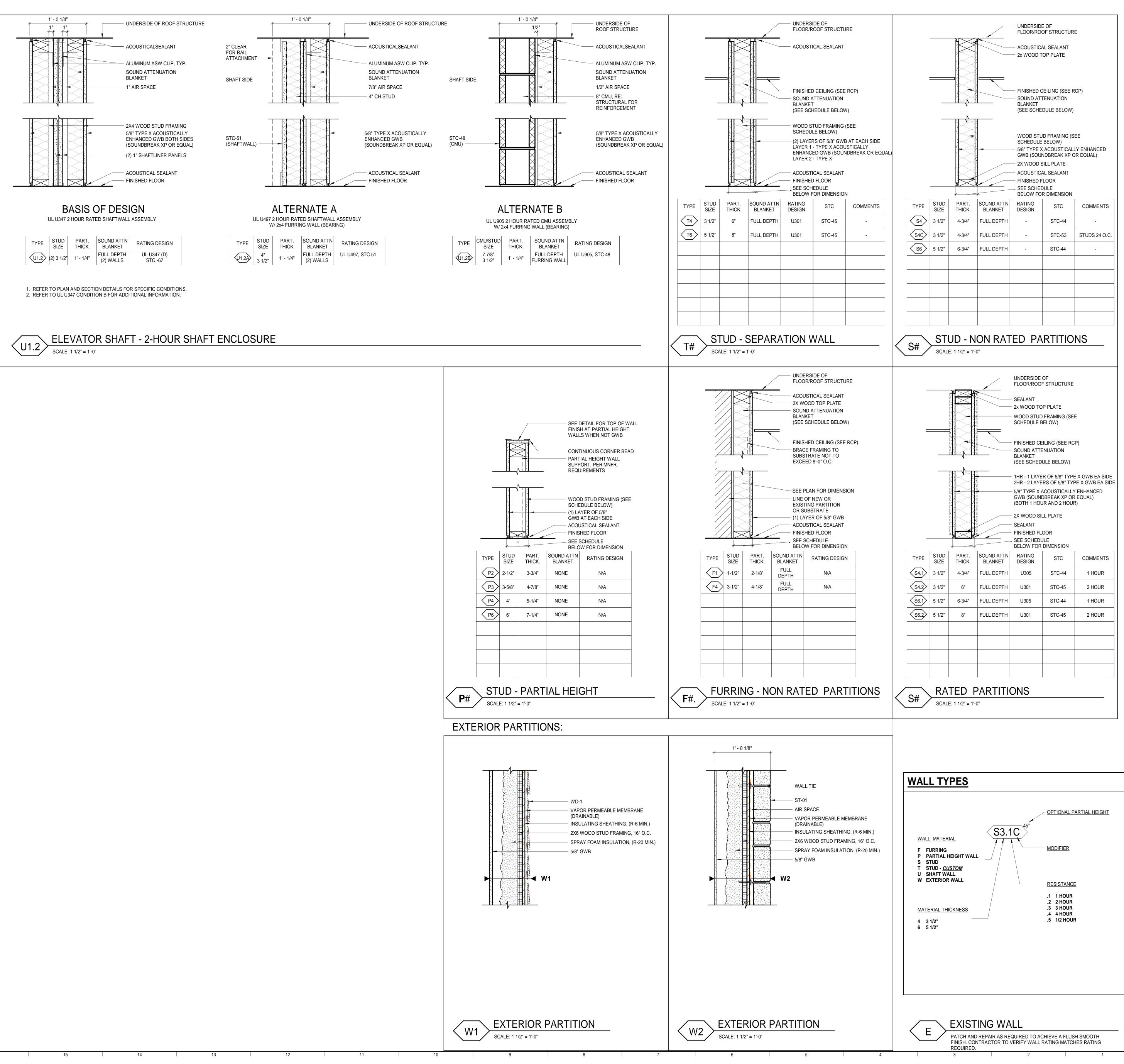
		16		14
AB	ANCHOR BOLT	L	ANGLE / LENGTH	ARCHITE
A/C ACCU ACPLAS	AIR CONDITIONING AIR CONDITIONING CONDENSER UNIT ACOUSTICAL PLASTER	LF LINO LL	LEFT SHEET LINOLEUM LIVE LOAD	.
ACT AFF AFR	ACOUSTIC CEILING TILE ABOVE FINISH FLOOR ABOVE FINISHED ROOF	LLH LLV LP	LONG LEG HORIZONTAL LONG LEG VERTICAL LIGHTING PANEL / LIQUIFIED PROPANE	
AGG ALT AP	AGGREGATE ALTERNATE ACCESS PANEL	MAX MB	MAXIMUM MARKER BOARD	
APROX ARCH	APPROXIMATE ARCHITECTURAL	MDO MECH MFR	MEDIUM DENSITY OVERLAY MECHANICAL MANUFACTURER	
BCX BD BIT	BOTTOM CORD EXTENSION BOARD BITUMINOUS	MIN MISC MO	MINIMUM MISCELLANEOUS MASONRY OPENING	
BLDG BLP BO	BUILDING BORROWED LIGHT PANEL BOTTOM OF	MR MUA	MOISTURE-RESISTANT MAKE-UP AIR	
BOF BOS BOT	BOTTOM OF FOOTING BOTTOM OF STEEL BOTTOM	N NCB NDMH	NOSING NEW CATCH BASIN NEW DRAIN MANHOLE	
BRDG BRG	BRIDGING BEARING	NFM NIC	NEW FORCE MAIN NOT IN CONTRACT	
BS BSE	BOTH SIDES BRICK SHELF ELEVATION	NS NSD NSS NTS	NEAR SIDE NEW STORM DRAIN LINE NEW SANITARY SEWER LINE	
C CB CEM BD	CHANNEL CATCH BASIN / CHALKBOARD CEMENTITIOUS BACKER BOARD	NTS NW	NOT TO SCALE NEW WATER LINE	
CFM CIP CJ	CUBIC FEET PER MINUTE CAST IN PLACE CONTROL JOINT / CONSTRUCTION JOINT	OC OF OH	ON CENTER OUTSIDE FACE OVERHEAD	
CL CLL CLR	CENTER LINE CONTRACT LIMIT LINE CLEAR	PA PAF	PUBLIC ADDRESS POWER-ACTUATED FASTENER	
CMU COL CONC	CONCRETE MASONRY UNIT COLUMN CONCRETE	PDU PL PLAM	POOL DEHUMIDIFICATION UNIT PLATE / PROPERTY LINE PLASTIC LAMINATE	
CONT CT CUH	CONTINUOUS CERAMIC TILE CABINET UNIT HEATER	PLF PP PSF	POUNDS PER LINEAR FOOT POWER PANEL POUNDS PER SQUARE FOOT	
D DBL	DIAMETER DOUBLE	PSI PT PVC	POUNDS PER SQUARE INCH PRESSURE-TREATED POLYVINYL CHLORIDE	
DF DL DR	DRINKING FOUNTAIN DEAD LOAD DISPLAY RAIL	PVMT R	PAVEMENT RISER / RADIUS	
DR DTL DW DWG	DISPLAY RAIL DETAIL DISHWASHER DRAWING	R RB RD REINF	RESILIENT BASE ROOF DRAIN	
EA	EACH	REQ'D RT	REINFORCED REQUIRED RIGHT ROUCH OPENING	
EF EJ EL	EXHAUST FAN / EACH FACE EXPANSION JOINT ELEVATION	RO ROW RR	ROUGH OPENING RIGHT OF WAY RUB-RAIL	
ELEC	ELECTRICAL EDGE OF PAVEMENT ETHYLENE PROPYLENE DIENE MONOMER	RTU SACT	ROOF TOP UNIT (HVAC) SUSPENDED ACOUSTIC TILE CEILING	
EOP EPDM	EQUAL EACH WAY	SC SF SFRM	SOLID CORE SQUARE FOOT / SUPPLY FAN SPRAYED FIRE-RESISTIVE MATERIAL	L
EPDM EQ EW EWC	ELECTRIC WATER COOLER	SHT	SHEET	X
EPDM EQ EW	ELECTRIC WATER COOLER EXISTING EXPANSION EXTERIOR	SIM SK	SIMILAR SHEAR KEY	
EPDM EQ EW EWC EXIST EXP	EXISTING EXPANSION	SIM SK SN SP SS		(B7.5)
EPDM EQ EW EWC EXIST EXP EXT FB FBO FCO FD	EXISTING EXPANSION EXTERIOR FLAT BAR FURNISHED BY OTHERS FLOOR CLEAN-OUT FLOOR DRAIN	SIM SK SN SP SS STA STL	SHEAR KEY SANITARY NAPKIN (DISPENSER) SPECIAL STAINLESS STEEL STATION STEEL	(B7.5)
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EPDM EQ EW EWC EXIST EXP EXT FB FBO FCO FD FE FEC FF FFE FO FRP	EXISTING EXPANSION EXTERIOR FLAT BAR FURNISHED BY OTHERS FLOOR CLEAN-OUT FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR / FAR FACE FINISH FLOOR ELEVATION FRAMED OPENING FIBER REINFORCED PLASTIC	SIM SK SN SP SS STA STL STRUC T TB T&B T&B T&B	SHEAR KEY SANITARY NAPKIN (DISPENSER) SPECIAL STAINLESS STEEL STATION STEEL STRUCTURAL TREAD TACKBOARD TOP AND BOTTOM TEMPORARY BENCHMARK	
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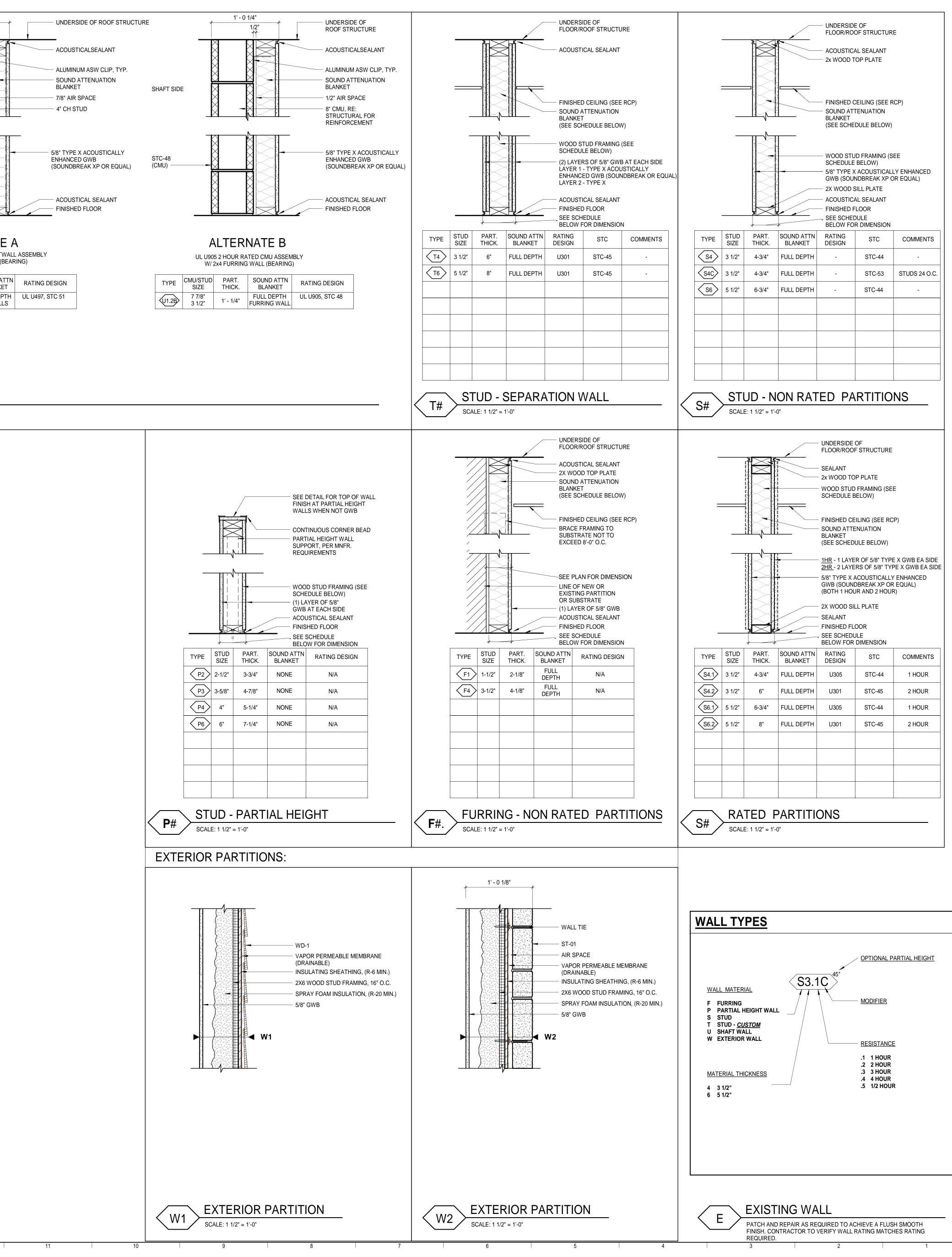
# ASTICOU INN ASTICOU HOSPITALITY LLC 5 PEABODY DR NORTHEAST HARBOR, ME 04662



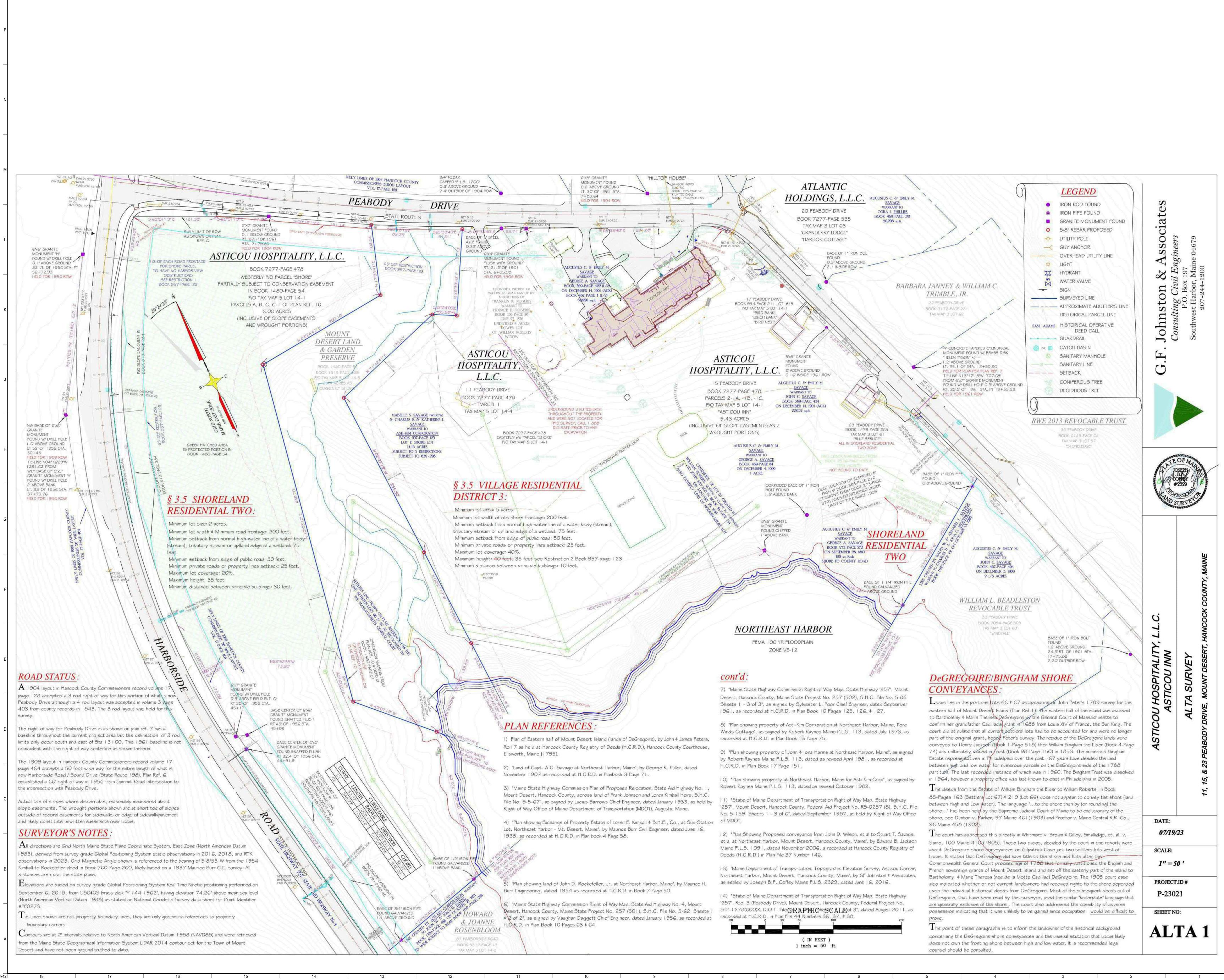
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				COAT RACK		

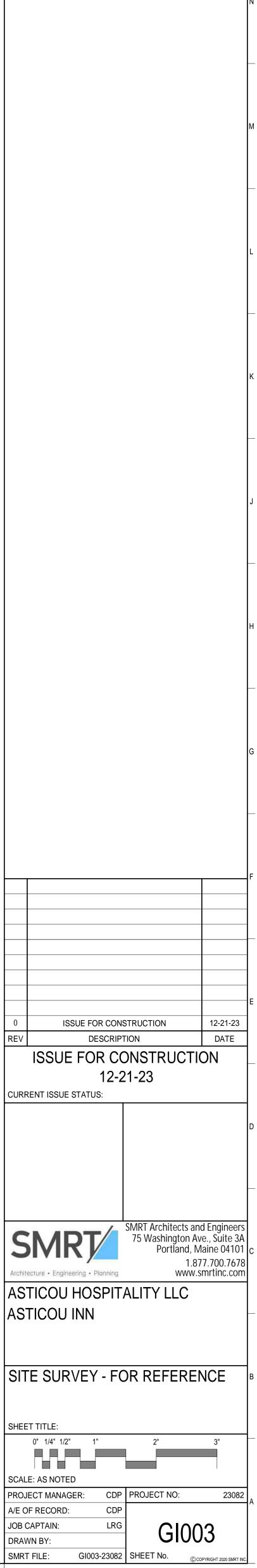
	ENERAL NOTES: FIELD VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR INCONSISTENCIES. FAILURE TO REPORT ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS TO THE ARCHITECT WILL	Р
2.	NOT BE GROUNDS FOR ADDITIONAL COST OR CHANGE ORDERS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS (UNLESS NOTED OTHERWISE), AND WORKMANSHIP IN ACCORDANCE WITH FEDERAL, STATE, CITY, AND LOCAL BUILDING CODES AND THEIR	
3. 4.	SMOKE STOPPING ASSEMBLIES SHALL BE U.L. RATED.	N
6.	REFER TO ALL CONSTRUCTION DOCUMENTS FOR REQUIREMENTS WHICH MAY AFFECT THE WORK IN ANOTHER AREA AND/OR DISCIPLINE AND COORDINATE. CONTRACTOR SHALL PROVIDE BLOCKING IN WALLS AS NECESSARY WHERE CASEWORK, FURNITURE, SHELVES, HANDRAILS, AND/OR OTHER MISC. EQUIPMENT IS LOCATED. ALL BLOCKING AND MISC STEEL SHALL BE	
7. 8. 9.	NOTE THAT ARCHITECTURAL ELEVATION 100'-0" DOES NOT EQUAL THE USGS ELEVATION. RE:CIVIL FOR USGS	М
	ELEVATIONS. WHERE ARCHITECTURAL DRAWINGS DEPICT MECHANICAL OR ELECTRICAL ITEMS OR EQUIPMENT (LIGHTS, DIFFUSERS, ETC.) INSTALLATION OF SUCH ITEMS SHALL BE COORDINATED WITH EACH RESPECTIVE TRADE SUB-CONTRACTOR. WHERE THE DRAWINGS DO NOT ADDRESS INSTALLATION	
13.	METHODOLOGY, THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH CODES, THE MANUFACTURER'S SPECIFICATIONS AND INDUSTRY STANDARDS. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL NOT MAKE STRUCTURAL CHANGES OR MODIFICATIONS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/STRUCTURAL ENGINEER, UNLESS	L
14. 15. 16.	OTHERWISE DETAILED ON THE DRAWINGS. PROVIDE FIRE-RATED PLYWOOD PANEL RATING LABEL FACING OUTWARD AT ALL ELECTRICAL AND TELEPHONE/DATA ROOMS AND CLOSETS ALL MATERIALS SHALL BE ASBESTOS-FREE. PRODUCTS NOTED IN DRAWINGS WITH A SPECIFIC MANUFACTURER'S NAME OR PRODUCT NAME ARE	
	INTENDED TO IDENTIFY THE TYPE OF PRODUCT REQUIRED. REFER TO SPECIFICATIONS FOR SPECIFIC PRODUCT REQUIREMENTS AND FOR MANUFACTURER OR SUBSTITUTION OPTIONS.	К
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0	ISSUE FOR CONSTRUCTION 12-21-23	E
REV	DESCRIPTION DATE ISSUE FOR CONSTRUCTION 12-21-23 RRENT ISSUE STATUS:	
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ç	SMRT Architects and Engineers 75 Washington Ave., Suite 3A Portland, Maine 04101 1.877.700.7678	С
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	AWN BY: SD/LRG/CH/CAF RT FILE: GI001-23082 SHEET No. ©COPYRIGHT 2020 SMRT INC.	



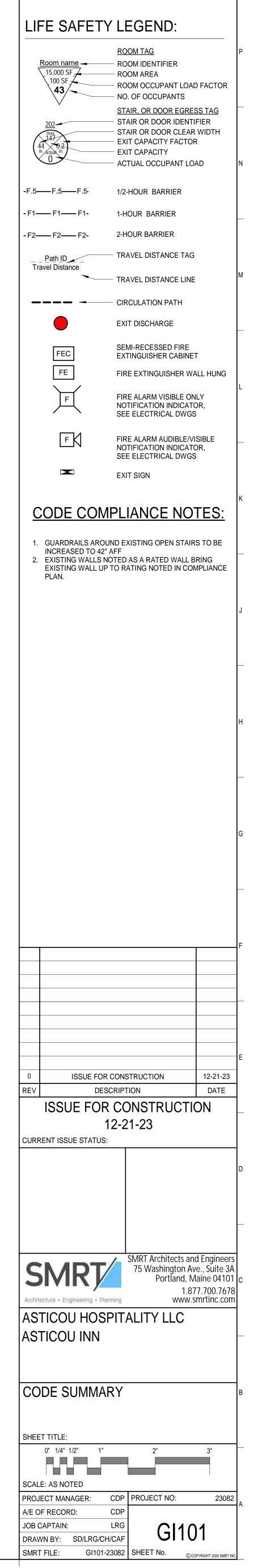


INTERIOR PARTITION NO	TES:	
1. PARTITION TYPE DRAWINGS ARE GRAPHIC REPRESENTATION ONLY. THEY ARE NOT TO SCA	71 E	
TYPICAL. 2. REFERENCE PLANS FOR PARTITION TAGS.		Ρ
<ol> <li>ALL BLANKET AND ACOUSTICAL INSULATION IS 1 FULL HEIGHT AND FULL THICKNESS UNLESS NO OTHERWISE.</li> </ol>		
<ol> <li>REFERENCE STRUCTURAL FOR STUD SPECIFICA TYPICAL.</li> </ol>	ATIONS	
<ol> <li>REFERENCE CODE COMPLIANCE PLANS FOR WE WALLS ARE SMOKE AND FIRE BARRIER ASSEMBING</li> <li>APPLY CONTINUOUS FIRESTOPPING SEALANT A</li> </ol>	LIES.	
<ol> <li>APPLY CONTINUOUS FIRESTOPPING SEALANT A PENETRATIONS IN FIRE RATED AND SMOKE PAR REFER TO SPECIFICATIONS FOR FIRESTOPPING</li> </ol>	TITIONS.	
INFORMATION. 7. PROVIDE FIRE RESISTIVE JOINT SYSTEMS AT TO		N
ALL FIRE RATED PARTITIONS. 8. PROVIDE ACOUSTICAL JOINT SYSTEMS AT TOPS STC-RATED PARTITIONS.	OF ALL	
<ol> <li>TYPICAL TOP OF WALL DETAILS AND THROUGH PENETRATION DETAILS ARE TO BE COORDINATE</li> </ol>		
EACH INDIVIDUAL WALL CONDITION BY THE CONTRACTOR PRIOR TO PROCEEDING WITH WO NOTIFY ARCHITECT IN WRITING OF ANY DISCRE		
OR INCONSISTENCIES BETWEEN THE DETAIL AN CONDITIONS. FAILURE TO REPORT ANY DISCRET	ID TRUE	
WITHIN THESE CONSTRUCTION DOCUMENTS TO ARCHITECT WILL NOT BE GROUNDS FOR ADDITI	THE	
COST OR CHANGE ORDERS. 10. REFER TO INTERIOR FINISH PLAN FOR APPLIED SUCH AS TILE. PROVIDE SPECIFIED WALL FINISH		М
SUBSTRATE IN PLACE OF GYPSUM BOARD WHEF SCHEDULED.		
11. REFER TO INTERIOR FINISH PLAN FOR ADDITION INFORMATION ON EXTENTS OF FINISHES APPLIE		
WALLS. 12. TYPICAL TOP OF WALL DETAILS AND THROUGH ' PENETRATION DETAILS ARE TO BE COORDINATE		
EACH INDIVIDUAL WALL CONDITION BY THE CONTRACTOR PRIOR TO PROCEEDING WITH WC	DRK.	
NOTIFY ARCHITECT IN WRITING OF ANY DISCRE OR INCONSISTENCIES BETWEEN THE DETAIL AN CONDITIONS. FAILURE TO REPORT ANY DISCRE	ID TRUE	L
WITHIN THESE CONSTRUCTION DOCUMENTS TO ARCHITECT WILL NOT BE GROUNDS FOR ADDITI	THE	
COST OR CHANGE ORDERS. 13. PROVIDE CONTROL JOINTS AND ALLOWANCE FO		
PERIMETER MOVEMENT FOR INTERIOR GYPSUM LOCATE CONTROL JOINTS TO ALIGN WITH DOOF OR WINDOW EDGES WHERE POSSIBLE, OR AS		
INDICATED BY ARCHITECT. 14. REFER TO INTERIOR FINISH PLAN FOR ADDITION	IAL	
INFORMATION ON EXTENTS OF FINISHES APPLIE WALLS.		
<ol> <li>REFERENCE SPECIFICATIONS FOR LABELING OF RATED PARTITIONS.</li> <li>AT STC RATED PARTITIONS COORDINATE SUCH</li> </ol>		К
ELECTRICAL BOXES IN ADJOINING ROOMS DO N SHARE STUD CAVITIES. ALL PENETRATIONS MUS	ОТ	
SEALED AND IN STAGGERED CAVITIES. 17. FURRING PARTITIONS TO BE HELD OFF EXTERIC 1/4" TYPICAL UNLESS NOTED OTHERWISE	OR WALL	
<ol> <li>1/4 TYPICAL UNLESS NOTED OTHERWISE</li> <li>18. TYPICAL INTERIOR WALL PARTITION TO BE TYPE U.N.O.</li> </ol>	E "S4"	
19. INFILL WALL PARTITIONS TO MATCH EXISTING.		
WALL PANEL PRODUCT		J
INFORMATION:		J
WD-01     WOOD SHINGLES TO MATCH EXIST       ST-01     LARGE VENEER FIELD STONE	ING	
VAPOR AND AIR BARRIEF INFORMATION:	K	
		н
FLUID APPLIED VAPOR BARRIER: (ON EXTERIOR OF EXISTING MASONRY.) BASIS OF DESIGN:	=	
"PERM-A-BARRIER® NPL 10" BY GRACE CONST	RUCTION	
	ER,	
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"PERM-A-BARRIER® NPL 10" BY GRACE CONST PRODUCTS         FLUID-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI         VAPOR PERMEABLE MEMBRANE:         BASIS OF DESIGN:         "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS.         0       ISSUE FOR CONSTRUCTION         20       ISSUE FOR CONSTRUCTION         21       DESCRIPTION         32       SURRENT ISSUE STATUS:	ER, ONS. 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 5 7. 5	F
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PERMA-BARRIER® NPL 10" BY GRACE CONST PRODUCTS FLUD-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI BASIS OF DESIGN: "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS.           0         ISSUE FOR CONSTRUCTION           0         ISSUE FOR CONSTRUCTION           2         DESCRIPTION           ISSUE FOR CONSTRUCTION         ISSUE STATUS:	ER, ONS. 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 5 7. 5	F
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PERMA-BARRIER® NPL 10" BY GRACE CONST PRODUCTS FLUD-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI BASIS OF DESIGN: "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS.           0         ISSUE FOR CONSTRUCTION           0         ISSUE FOR CONSTRUCTION           2         DESCRIPTION           ISSUE FOR CONSTRUCTION         ISSUE STATUS:	ER, ONS. 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 5 7. 5	F E D C
PPERM-A-BARRIER® NPL 10" BY GRACE CONST PRODUCTS FLUID-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI VAPOR PERMEABLE MEMBRANE: BASIS OF DESIGN: "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS. INSTRUCTIONS. INSTRUCTIONS. ISSUE FOR CONSTRUCTION REV DESCRIPTION ISSUE FOR CONSTRUCTION REV DESCRIPTION ISSUE FOR CONSTRUCTION 12-21-23 SURRENT ISSUE STATUS: INSTRUCTIOUS STATUS: INSTRUCTIONS. SMRT Architects and 5 Washington Av Portland, M 1.87 WWW.S ASTICOU HOSPITALITY LLC ASTICOU INN	ER, ONS. 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 53 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 54 7. 5 7. 5	F E D C
PPERM - BARRIER® NPL 10" BY GRACE CONST PRODUCTS FUID-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI BASIS OF DESIGN: "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS. O ISSUE FOR CONSTRUCTION REV DESCRIPTION ISSUE FOR CONSTRUCTION REV DESCRIPTION ISSUE FOR CONSTRUCTION 12-21-23 CURRENT ISSUE STATUS: SUMETARCOUNTS SURFACTOU HOSPITALITY LLC ASTICOU HOSPITALITY LLC ASTICOU INN INTERIOR & EXTERIOR PARTITIONS SHEET TITLE:	ER, ONS.	F E D C
PPERM A-BARRIER® NPL 10" BY GRACE CONST PRODUCTS FUID-APPLIED LATEX-BASED VAPOR BARRI APPLIED PER MANUFACTURER'S INSTRUCTI BASIS OF DESIGN: "TYVEK DRAINWRAP" SHEET WRAP BY DUPONT INSTALL, LAP AND SEAM PER MANUFACTURERS INSTRUCTIONS.	ER, ONS.	F E D C
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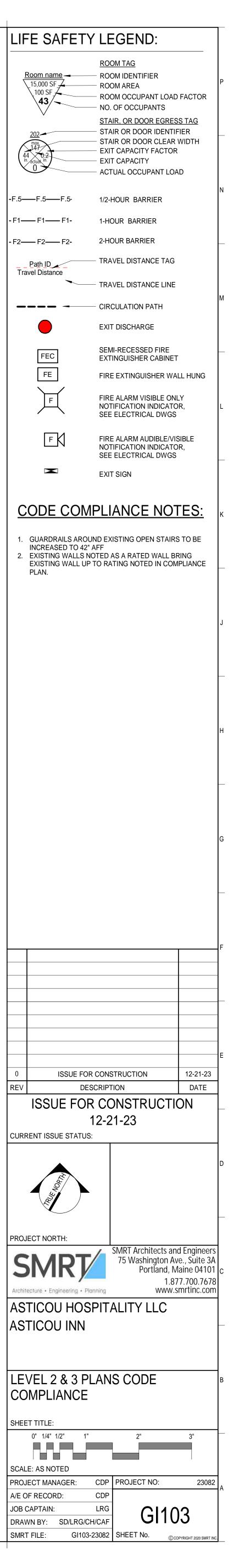


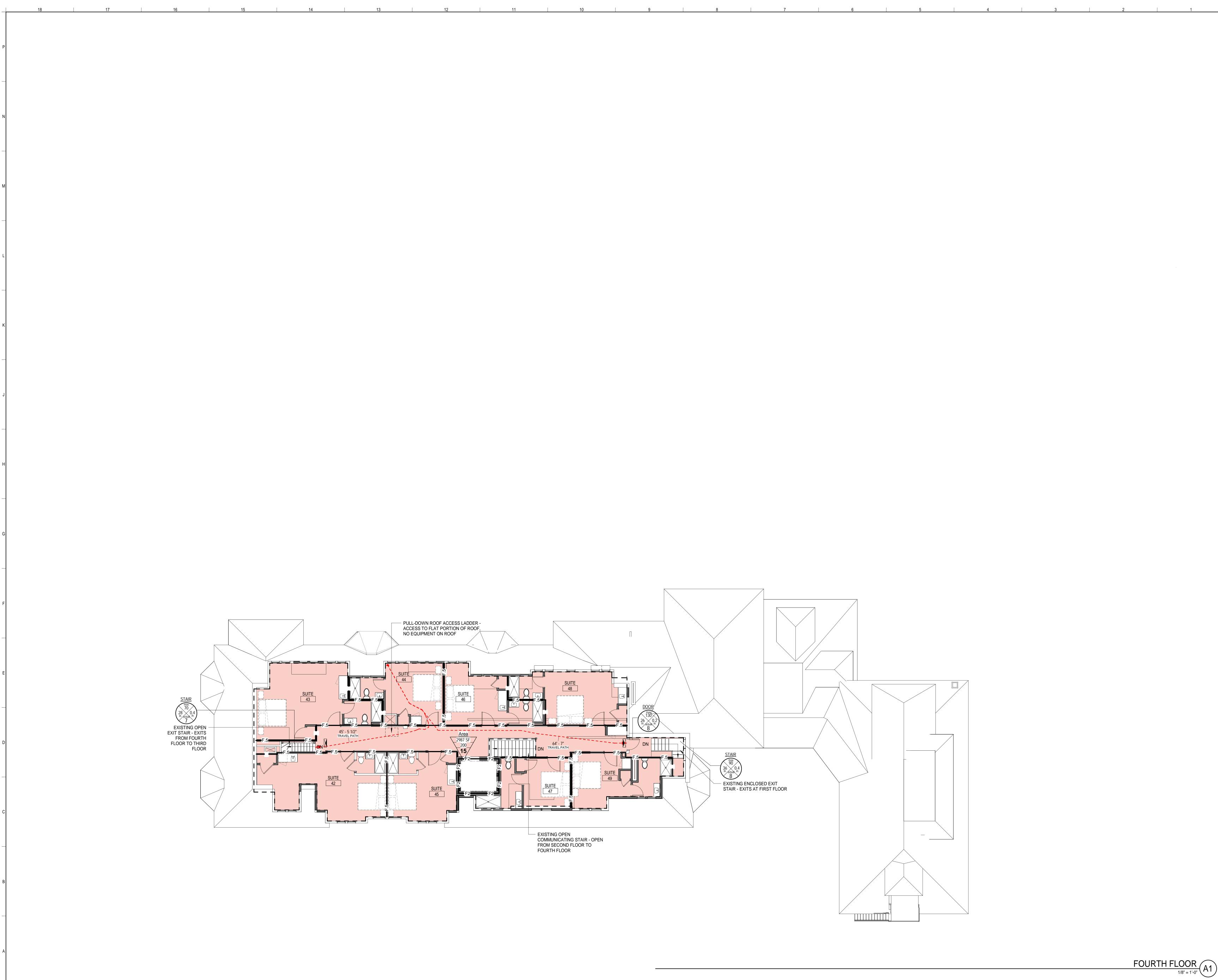
	<u>DE SYNOPSIS</u>			
<b>PROJEC</b> ASTICOL	T: J INN REMODEL	INCIDENTAL OCCUPANCY AREAS IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE	INTERIOR FINISHES IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE	
	<b>T DESCRIPTION:</b> ELING OF AN EXISTING FOUR STORY PLUS BASEMENT SEASONAL INN, IN MOUNT DESERT, MAINE	Table 509         Table 28.3.2.2.2	INTERIOR WALL AND CEILING FINISHES Table 803.11 28.3.3.2 IBC NFPA 101	-
EXISTIN	<b>NALYSIS BASIS:</b> 3 REMODELED AREAS ARE TREATED AS LEVEL 2 ALTERATIONS BASED ON CHAPTER 7 OF THE IEBC AND THE ATION WORK CATEGORY OF CHAPTER 43 OF NFPA 101. NEW WORK IS TREATED UNDER THE RESPECTIVE NEW	FIRE RATING (HRS)	CORRIDORS, EXITS & SPACES NOT SEPARATED Class B Exit Enclosures: Class A, Lobbies & Corridors: Class A or B	-
	EQUIREMENTS OF THE NOTED OCCUPANCIES.	FURNACE ROOM W/EQUIPMENT OVER 400,000 BTUH       1 hour or sprinkler       1 hour and sprinkler         BOILER ROOM W/EQUIP. OVER 15 PSI & 10HP       1 hour or sprinkler       1 hour and sprinkler	OTHER AREAS Class C Class A, B, or C	- (
	ABLE CODES (INCLUDING BUT NOT LIMITED TO): NIFORM BUILDING AND ENERGY CODE (MUBEC) WHICH INCLUDES:	REFRIGERANT MACHINERY ROOM     1 hour or sprinkler	IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE	-
	- 2015 INTERNATIONAL BUILDING CODE (IBC)	INCINERATOR ROOMS     2 hour + sprinkler     -       PAINT SHOPS     2 hour or 1 hour + sprinkler     1 hour and sprinkler	FLOOR FINISH         804.4.2         28.3.3.2           IBC         NFPA 101	<b>F</b> .5-
	- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) -2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	LAUNDRY ROOMS OVER 100 SF     1 hour or sprinkler     1 hour and sprinkler       WASTE & LINEN ROOMS OVER 100 SF     1 hour or sprinkler     -	EXIT ENCLOSURES AND EXIT ACCESS CORRIDORS       Class II       Class I or Class II	- F1-
2021 UNI	- 2015 INTERNATIONAL MECHANICAL CODE (IMC) FORM PLUMBING CODE (UPC)	MAINTENANCE SHOPS       -       1 hour and sprinkler         STORAGE ROOMS       -       1 hour or sprinkler	NFPA 101: GRAB BARS REQUIRED IN SHOWERS PER 28.2.1.4 AND 24.2.8.1.1, 24.2.8.1.2) UNLESS TRANSITION DOES NOT EXCEED 0.5 INCH AND SHOWER SURFACES ARE SLIP RESISTENT WHEN WET	- F2-
	TIONAL ELECTRICAL CODE (NEC) - NFPA 70 PA 101 (LIFE SAFETY CODE)	TRASH ROOMS - 1 hour and sprinkler	ENERGY CONSERVATION CODE FOR NEW ADDITION 2018 IECC	
THE AME	RICANS WITH DISABILITIES ACT – 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	EMPLOYEE LOCKER ROOMS       -       1 hour or sprinkler         GIFT OR RETAIL SHOPS       -       1 hour or sprinkler	ZONE CLASSIFICATION Zone 6	-
2009 ICC	A117.1 (ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES)		BUILDING ENVELOPE PRESCRIPTIVE REQUIREMENTS       (Table C402.1.3) R-Value Method         ROOF ASSEMBLIES       R-30 ci	- –
EXISTIN	<b>NALYSIS:</b> G REMODELED AREAS ARE TREATED AS LEVEL 2 ALTERATIONS BASED ON CHAPTER 7 OF THE IEBC AND THE CATION WORK CATEGORY OF CHAPTER 43 OF NFPA 101, INCLUDING SECTION 43.10 HISTORIC BUILDINGS. NEW WORK	MEANS OF EGRESS OCCUPANT LOAD	ATTIC AND OTHER R-49	_
IS TREA	TED UNDER THE RESPECTIVE NEW WORK REQUIREMENTS OF THE NOTED.	(square feet per occupant) IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE	WALLS, ABOVE GRADE, MASS     R-13.3 ci       WALLS, ABOVE GRADE, METAL FRAMED     R-13 + R-7.5 ci	-
OCCUP	ANCY CLASSIFICATION	Table 1004.1.2         Table 7.3.1.2           IBC         NFPA 101	WALLS, ABOVE GRADE, WOOD FRAMEDR-13 + R-7.5 ci or R-20 + R-3.8 ciWALLS, BELOW-GRADER-7.5 ci	-
IBC:	EXISTING REMODEL AREAS: A-2 (303.3), B (304.1), R-1 (310.2), M (309.1) NEW CONSTRUCTION AREAS: R-1 (310.2)	RESIDENTIAL (IBC)     200 gross     200 gross (Hotels & Dormitories)       BUSINESS AREAS     100 gross     150 gross	FLOORS OVER UNCONDITIONED SPACE, MASS R-12.5 ci	-
		ASSEMBLY, LESS CONCENTRATED USE 15 net 15 net ACCESSORY STORAGE, MECHANICAL EQUIPMENT 300 gross -	FLOORS, JOIST/FRAMING     R-30       SLAB-ON-GRADE, UNHEATED     R-10 for 24" below	-
NFPA	101: EXISTING REMODEL AREAS: CHAPTER 13 EXISTING ASSEMBLY OCCUPANCIES, CHAPTER 29 EXISTING HOTELS AND DORMITORIES, CHAPTER 39 EXISTING BUSINESS OCCUPANCIES	KITCHENS, COMMERCIAL 200 gross -	OPAQUE DOORS, NONSWINGINGR-4.75OPAQUE DOORS, SWINGING (TABLE C402.1.4)U = 0.37	-
	NEW CONSTRUCTION AREAS: CHAPTER 28 NEW HOTELS AND DORMITORIES	MERCANTILE 60 gross 30 gross	VERTICAL FENESTRATIONTable C402.4WINDOWS, FIXEDU = 0.36	-
		TOTAL OCCUPANT LOAD (NEW ADDITION)       TOTAL         BASEMENT       Mechanical/Storage = 14, R-1 (Hotel) = 28, Kitchen = 3, Laundry = 4, Fitness = 28 Total = 77       77	WINDOWS, OPERABLE U = 0.43	-
BUILDIN	G CONSTRUCTION EXISTING: WOOD FRAMED	FIRST FLOOR         A-2 = 355, R-1 (Hotel) =6, Kitchen = 13, Business = 5, Storage = 1, Retail = 3 Total = 383         383	DOORS, GLAZED         U = 0.77           SHGC, VERTICAL         0.40 (S, E, W), 0.53 (North)	_   <u>C</u>
	NEW: STRUCTURAL STEEL FRAMING, CONCRETE SLAB-ON-GRADE, METAL DECK WITH CONCRETE FLOOR/ROOF SLAB, INSULATED ROOF WITH SINGLE PLY ROOF MEMBRANE AND WOOD MATERIAL DECKING, WOOD STUD INFILL FRAMING W/STONE EXTERIOR VENEER.	SECOND FLOOR         R-1 (Hotel) = 36         36           THIRD FLOOR         R-1 (Hotel) = 30         30	GLAZED AREA %     C402.4.1       VERTICAL FENESTRATION     <30% (see C402.4.1.1 for requirements to increase to 40%)	- 1.
		FOURTH FLOOR         R-1 (Hotel) = 15         15           ROOF         unoccupied         0	AIR BARRIER AND AIR LEAKAGE     continuous air barrier	- 2. -
BC:	LER REQUIREMENT YES FOR GROUP A-2 (903.2.1.2 AREA OVER 5,000 SF OR OCCUPANT LOAD 100 OR MORE) AND GROUP R (903.2.8)			
 NFPA		CAPACITY OF EGRESS COMPONENTS IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE		
	REQUIRED FOR HIGH-RISE (29.3.5.1), NO REQUIREMENTS FOR EXISTING BUSINESS OCCUPANCIES PER CHAPTER 39 OR EXISTING ASSEMBLY OCCPANCIES PER (13.3.5)	1005.3.1 and 1005.3.2         Table 7.3.3.1           IBC         NFPA 101		
		STAIRS     0.3 inch/occupant     0.4 inch/occupant Board & Care, 0.3 inch/occupant all others		
TYPE O	CONSTRUCTION	OTHER THAN STAIRS       0.2 inch/occupant       0.2 inch/occupant for all		
IBC:	TYPE VB			
NFPA	101: II (000)	TOTAL EXIT WIDTH REQUIRED (NEW ADDITION) TOTAL EXIT WIDTH PROVIDED		
		BASEMENTdoors 77 x 0.2 = 16 inchesdoors - 320 inchesFIRST FLOORdoors 383 x 0.2 = 77 inches, stairs 383 X 0.3 = 115doors - 96 inches, stairs - 190 inches (including fire escape)		
	& AREA LIMITATIONS: DNSTUCTION R-1, FULLY SPRINKLERED)	SECOND FLOORstairs 36 x 0.4 = 15 inchesstairs - 84 inches (including fire escape)		
	ALLOWABLE HEIGHT (FEET):       60       Table 504.3       ACTUAL:       42+ (Level 1 to roof), 51+ (basement to roof)         ALLOWABLE HEIGHT (STORIES):       3       Table 504.4       ACTUAL:       new: 1 + basement, existing: 4 stories + basement	THIRD FLOORstairs 30 x 0.4 = 12 inchesstairs - 98 inches + window access to fire escapeFOURTH FLOORstairs 15 x 0.4 = 6 inchesstairs - 64 inches		
	ALLOWABLE AREA (SQUARE FEET): 21,000 Table 506.2 ACTUAL: Basement: 10,946 First Floor: 9,707			
	Second Floor: 7,045 Third Floor: 5,677 Fourth Floor: 2,987	NUMBER OF EXITS REQUIRED (NEW ADDITION)     IBC     NFPA 101		
	MAX FRONTAGE AREA INCREASE: 5,250 506.2.4 -	2 (per floor)     2 (per floor)       TOTAL NUMBER OF EXITS PROVIDED     2		
	101: NO REQUIREMENTS PER (28.1.6) FOR NEW HOTELS AND DORMITORIES, PER (29.1.6) FOR EXISTING HOTELS AND DORMITORIES, PER (39.1.6)	BASEMENT10FIRST FLOOR8		
	FOR EXISTING BUSINESS OCCUPANCIES, AND LIMITED TO 2 STORIES PER (TABLE 13.1.6) FOR EXISTING ASSEMBLY OCCUPANCIES.	SECOND FLOOR 3		
THE FO	LLOWING IS BASED ON NEW CONSTRUCTION, IBC R-1 OCCUPANCY & NFPA 101 NEW HOTELS AND DORMITORIES	THIRD FLOOR     4       FOURTH FLOOR     2		
BUILDIN	G ELEMENTS FIRE RESISTIVE REQUIREMENTS IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE	EXIT ACCESS TRAVEL DISTANCE     IBC CODE SECTION     VALUE     NFPA 101 CODE SECTION     VALUE		
	TABLE 601         TYPE VB         Table A.8.2.1.2         Type II (000)	EXIT ACCESS TRAVEL DISTANCE       Table 1017.2 & 1029.7       250 feet: B & R-1, A-2       28.2.6.3.3.1 & corridor door to exit 200		
	IBC NFPA 101	COMMON PATH OF TRAVEL         Table 1006.2.1         75 feet: A-2 & R-1, 100: B         28.2.5.4         New Hotels: 50 feet           DEAD ENDS         1020.4         50 feet: B & R-1         28.2.5.6         50 feet		
	MARY STRUCTURAL FRAME 0 0	MINIMUM EXIT WIDTH (AISLES, CORRIDORS, RAMPS)     Table 1020.2     44 inches or 36 inches occupant load <50     28.2.3.3     44 inches		0
BEA	- EXTERIOR 0 0	MINIMUM EGRESS DOOR LEAF WIDTH         1010.1.1         32 inches         28.2.2.2.1 & 7.2.1.2.3.2         32 inches		REV
NON	- INTERIOR 0 0	MEANS OF EGRESS HEADROOM       1003.2       7'-6"       7.1.5.1       7'-6"         NFPA 101: SECENDARY MEANS OF ESCAPE FROM TWO ROOM SUITE NOT REQUIRED WHEN FULLY SPRINKLERED (28.2.1.2 AND 24.2.2.1.2 (2))		
	- EXTERIOR 0* 0 - INTERIOR 0 0			CURF
	OR CONSTRUCTION AND ASSOCIATED 0 0	FIRE EXTINGUISHERS IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE		
	CONDARY MEMBERS     0     0       DF CONSTRUCTION AND ASSOCIATED     0     0	REQUIRED 906.1 and Table A-2, B, & R-1 & within 30 feet of 28.3.5.8 and Not Required, required for 906.3(1) commercial cooking equipment 39.3.5 Existing Business Occupancies		
	CONDARY MEMBERS     0     0       OUR LESS THAN 10 FEET FIRE SEPARATION DISTANCE PER (TABLE 602)     0	Occupancies         MINIMUM RATED SINGLE EXTINGUISHER       Table 906.3(1)       2-A       refer to NFPA 10         MAXIMUM FLOOP APEA FOR EXTINGUISHER       Table 906.2(1)       11 250 cf       refer to NEPA 10		
		MAXIMUM FLOOR AREA FOR EXTINGUISHER       Table 906.3(1)       11,250 sf       refer to NFPA 10         MAXIMUM DISTANCE OF TRAVEL TO       Table 906.3(1)       75 feet       refer to NFPA 10         EXTINGUISHER       Table 906.3(1)       75 feet       refer to NFPA 10		
BUILDIN	G SUBDIVISION/FIRE SEPARATIONS	EXTINGUISHER		
SEPAR	ATION TYPE IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE FIRE RATING (HRS)			5
	IBC CODE SECTION VALUE NFPA 101 CODE SECTION VALUE			Archit
	CUPANCY SEPARATION 508.3 TREATED AS 6.1.14.3 TREATED AS MIXED NONSEPARATED OCCUPANCIES	CAPACITY OF EGRESS COMPONENTS         IBC CODE SECTION         VALUE         NFPA 101 CODE SECTION         VALUE           PROVIDE PER         907.2.1, 907.2.2, 907.2.8         A, B, R-1         (28.3.4) & (9.6)         -		AS AS
	E WALL Table 706.4 3			
SMC	DKE BARRIERSection 709.31-	CARBON MONOXIDE DETECTORS     -     -     28.3.4.7     in suites and other w/fuel burning appliances or fireplaces		
	PASSAGEWAYSSection 1024.31 or same as stair rating7.2.6.3 and 28.2.2.71 or same as stair ratingRIZONTAL EXITSSection 1026.2minimum 27.2.4.3.1 and 28.2.2.52			CC
INTE	ERIOR EXIT STAIRWAYSSection 1023.21 or 2 connecting four or more stories7.2.2, 7.1.3.2.1 and 28.2.2.31			
VER	TICAL SHAFTSSection1 or 2 connecting four28.3.1.1.3 and1 or 2 connecting four or713.4or more stories8.6.5more stories			SHEE
	RIDOR WALLS         Table 1020.1         0: A-2 & B, 0.5: R-1         28.3.6.1.3 and 28.3.6.2.1         1/2 hour w/20 minute doors			
COF	RIDOR WALLS       Table 1020.1       0: A-2 & B, 0.5: R-1       28.3.6.1.3 and 28.3.6.2.1       1/2 hour w/20 minute doors         DIVISION OF BUILDING SPACES       -       -       28.3.7.2       suites shall be separated			SCAL
COF	RIDOR WALLS       Table 1020.1       0: A-2 & B, 0.5: R-1       28.3.6.1.3 and 28.3.6.2.1       1/2 hour w/20 minute doors         DIVISION OF BUILDING SPACES       -       -       28.3.7.2       suites shall be separated by 1/2 hour fire rated construction, doors to be			SCAL PROJ A/E C
COF	RIDOR WALLS       Table 1020.1       0: A-2 & B, 0.5: R-1       28.3.6.1.3 and 28.3.6.2.1       1/2 hour w/20 minute doors         DIVISION OF BUILDING SPACES       -       -       28.3.7.2       suites shall be separated by 1/2 hour fire rated			PROJ

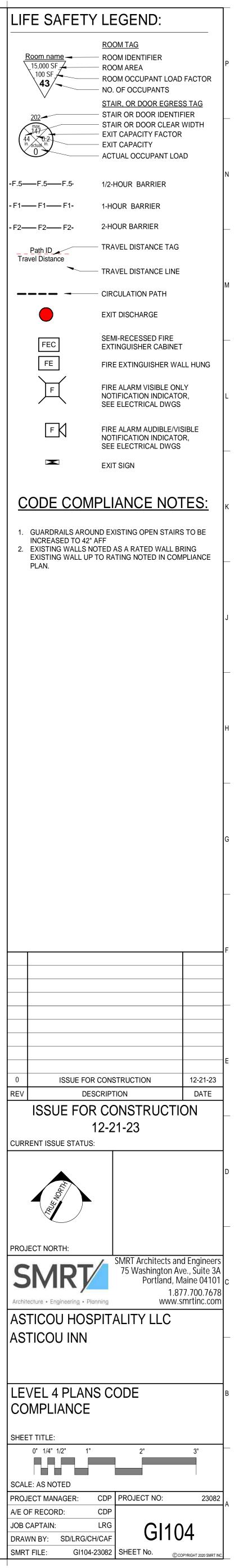


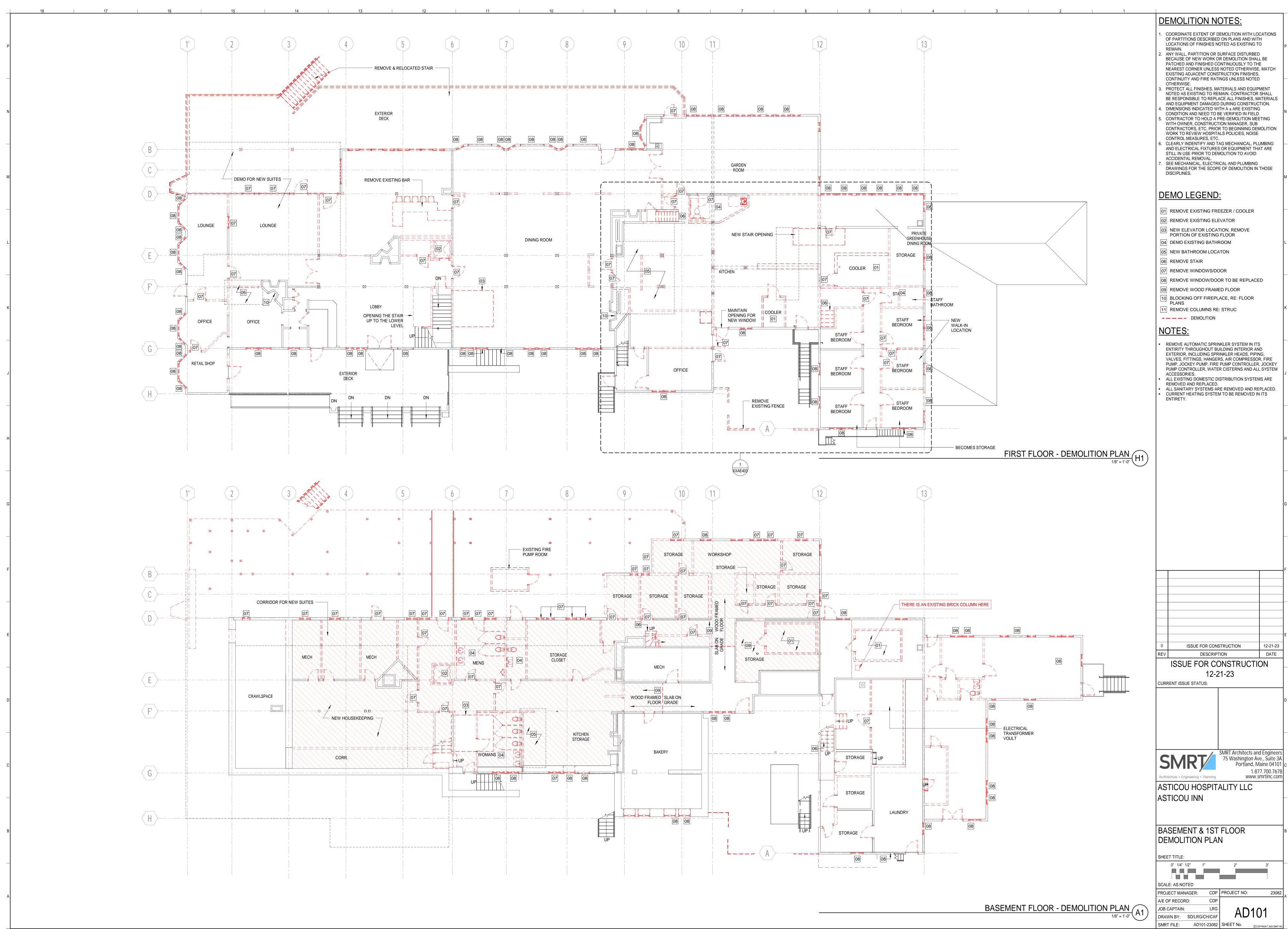


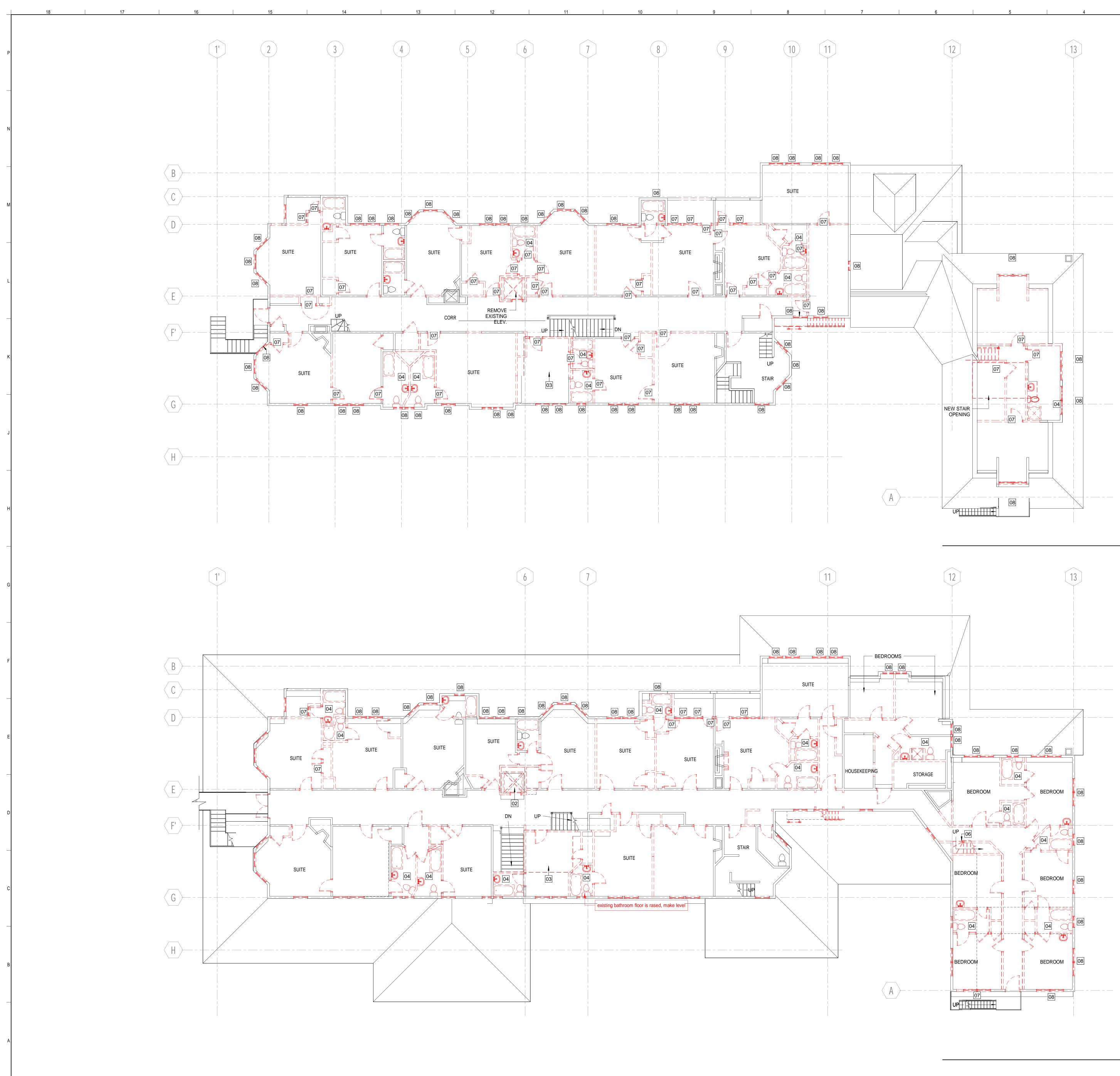










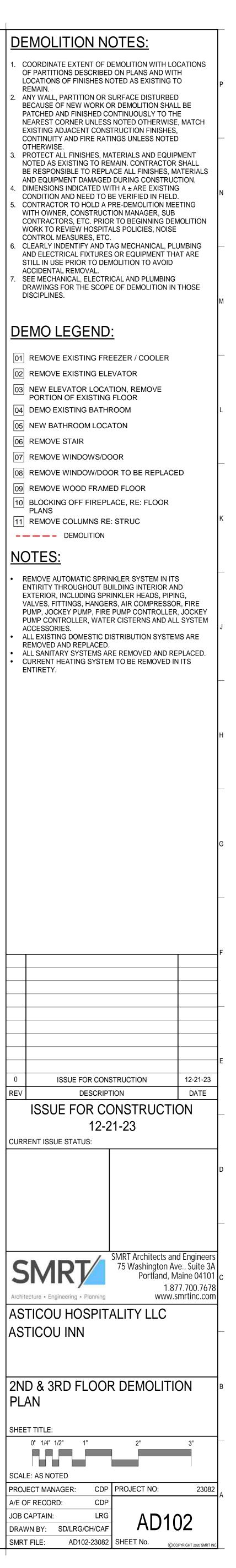


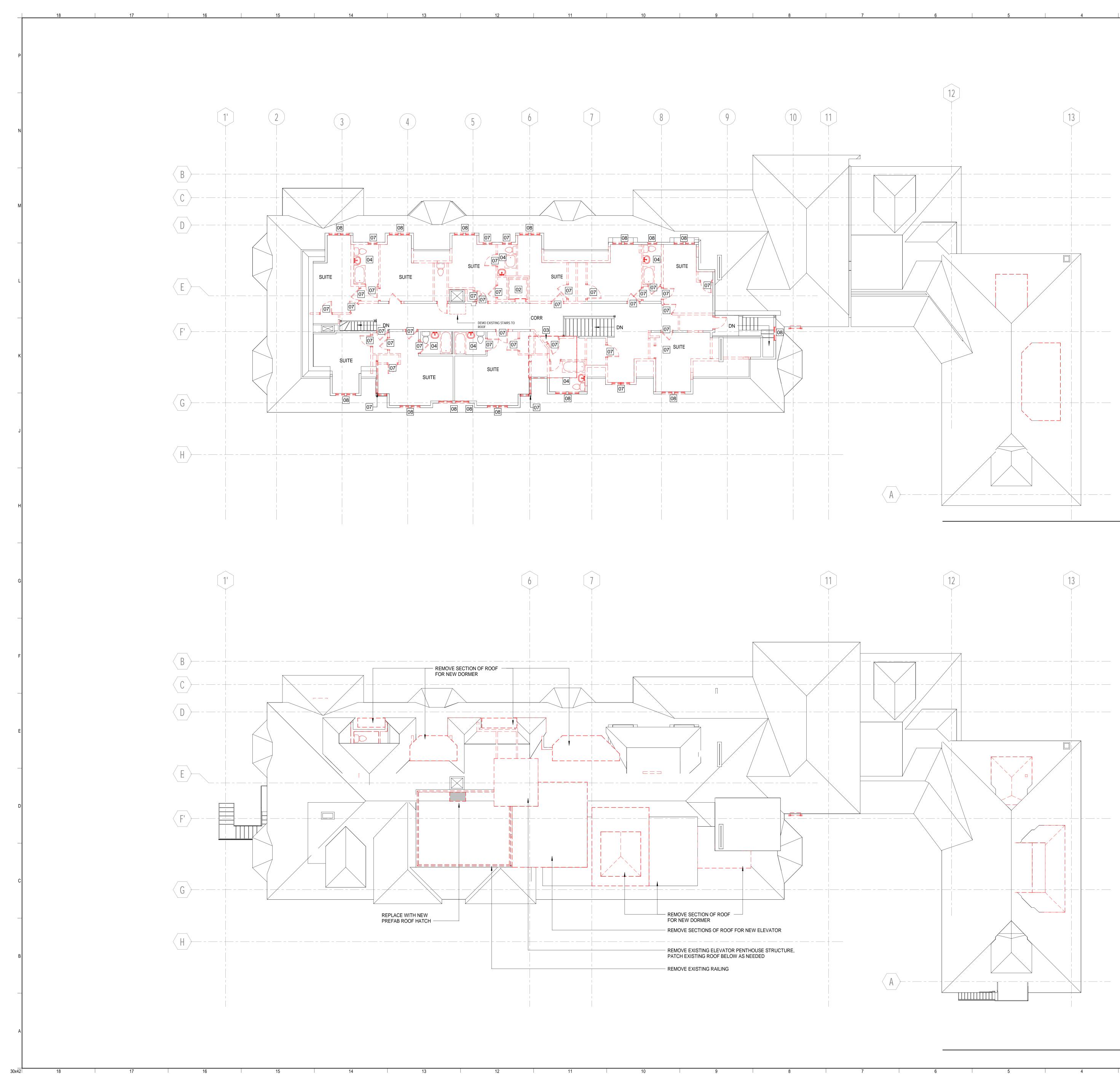
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## THIRD FLOOR - DEMOLITION PLAN

1/8 = 1-0

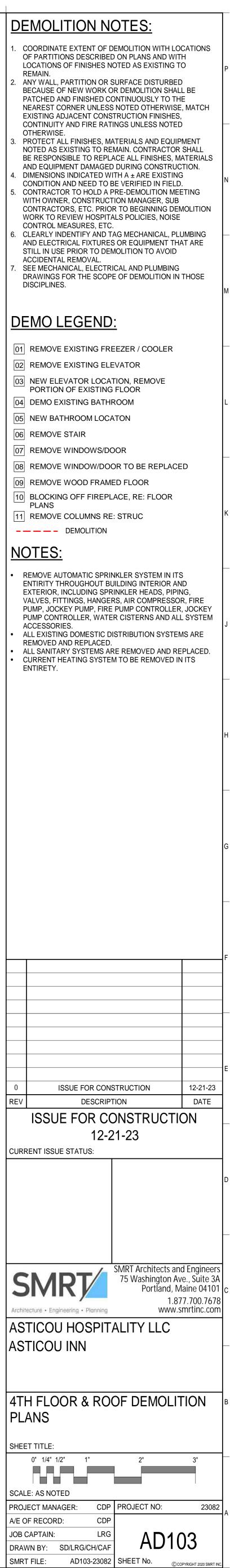
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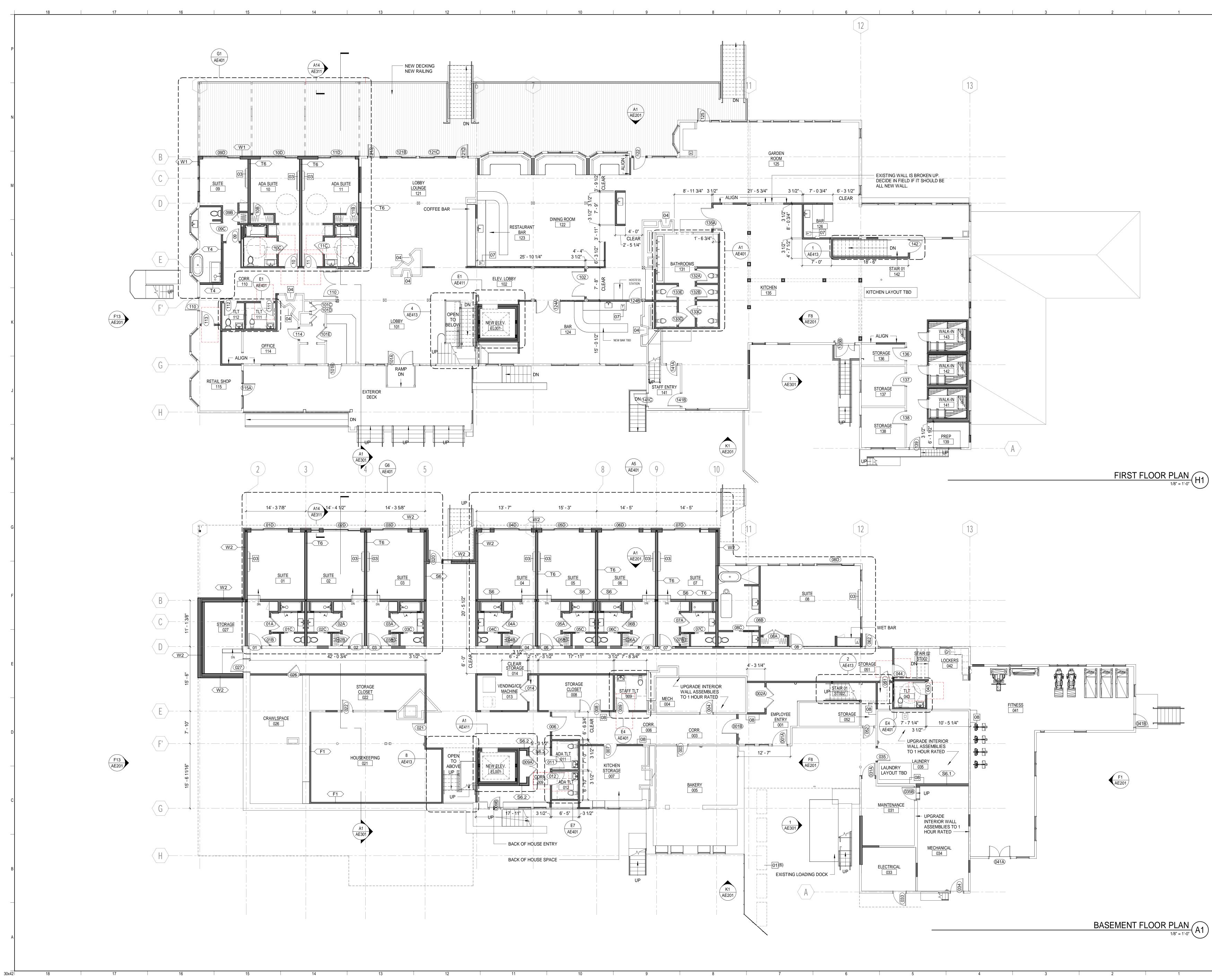




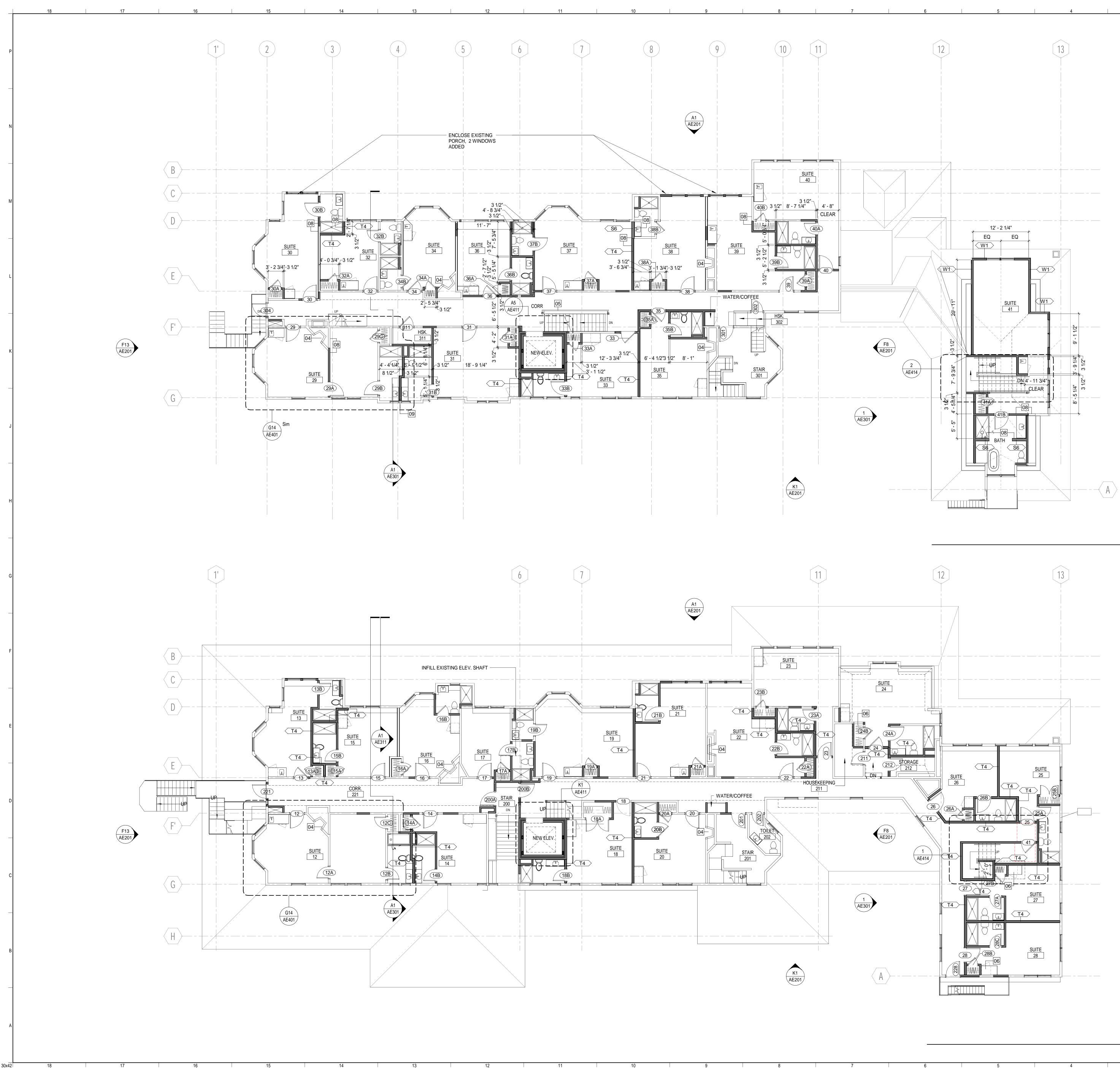


ROOF\_DEMO





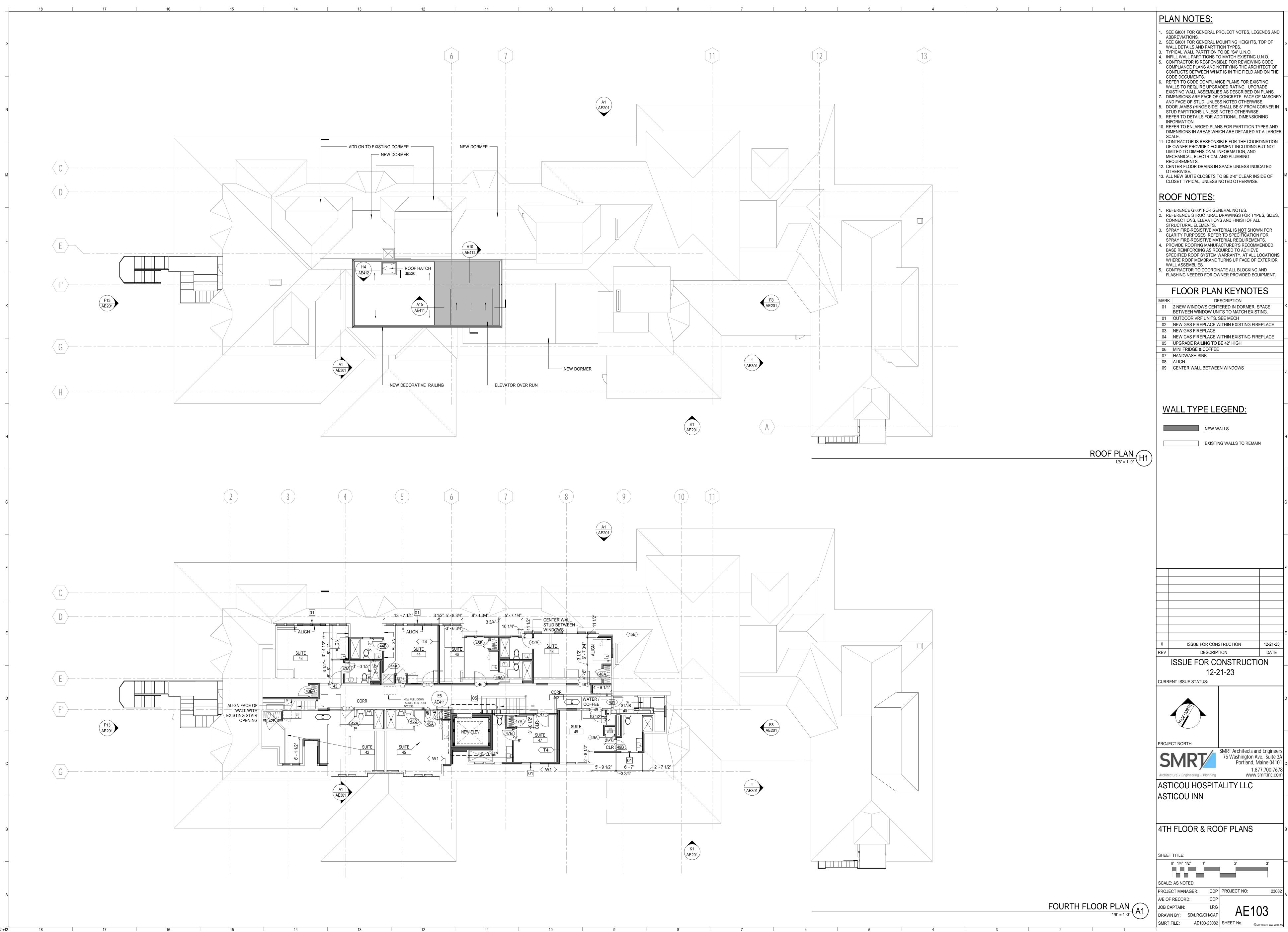
PLAN NOTES:	
<ol> <li>SEE GI001 FOR GENERAL PROJECT NOTES, LEGENDS AND ABBREVIATIONS.</li> <li>SEE GI001 FOR GENERAL MOUNTING HEIGHTS, TOP OF WALL DETAILS AND PARTITION TYPES.</li> <li>TYPICAL WALL PARTITION TO BE "S4" U.N.O.</li> <li>INFILL WALL PARTITIONS TO MATCH EXISTING U.N.O.</li> <li>CONTRACTOR IS RESPONSIBLE FOR REVIEWING CODE COMPLIANCE PLANS AND NOTIFYING THE ARCHITECT OF CONFLICTS BETWEEN WHAT IS IN THE FIELD AND ON THE</li> </ol>	Ρ
<ul> <li>CODE DOCUMENTS.</li> <li>REFER TO CODE COMPLIANCE PLANS FOR EXISTING WALLS TO REQUIRE UPGRADED RATING. UPGRADE EXISTING WALL ASSEMBLIES AS DESCRIBED ON PLANS.</li> <li>DIMENSIONS ARE FACE OF CONCRETE, FACE OF MASONRY AND FACE OF STUD, UNLESS NOTED OTHERWISE.</li> <li>DOOR JAMBS (HINGE SIDE) SHALL BE 6" FROM CORNER IN STUD PARTITIONS UNLESS NOTED OTHERWISE.</li> <li>REFER TO DETAILS FOR ADDITIONAL DIMENSIONING INFORMATION.</li> <li>REFER TO ENLARGED PLANS FOR PARTITION TYPES AND DIMENSIONS IN AREAS WHICH ARE DETAILED AT A LARGER SCALE.</li> </ul>	N
<ol> <li>CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF OWNER PROVIDED EQUIPMENT INCLUDING BUT NOT LIMITED TO DIMENSIONAL INFORMATION, AND MECHANICAL, ELECTRICAL AND PLUMBING REQUIREMENTS.</li> <li>CENTER FLOOR DRAINS IN SPACE UNLESS INDICATED OTHERWISE.</li> <li>ALL NEW SUITE CLOSETS TO BE 2'-0" CLEAR INSIDE OF CLOSET TYPICAL, UNLESS NOTED OTHERWISE.</li> </ol>	M
FLOOR PLAN KEYNOTESMARKDESCRIPTION012 NEW WINDOWS CENTERED IN DORMER. SPACE BETWEEN WINDOW UNITS TO MATCH EXISTING.01OUTDOOR VRF UNITS. SEE MECH02NEW GAS FIREPLACE WITHIN EXISTING FIREPLACE03NEW GAS FIREPLACE04NEW GAS FIREPLACE WITHIN EXISTING FIREPLACE05UPGRADE RAILING TO BE 42" HIGH06MINI FRIDGE & COFFEE07HANDWASH SINK	
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WALL TYPE LEGEND:         NEW WALLS         EXISTING WALLS TO REMAIN	н
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ISSUE FOR CONSTRUCTION 12-21-23	
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BASEMENT & 1ST FLOOR PLANS	в
SHEET TITLE: 0" 1/4" 1/2" 1" 2" 3" CALE: AS NOTED PROJECT MANAGER: CDP OB CAPTAIN: LRG DRAWN BY: SD/LRG/CH/CAF AE101	
SMRT FILE: AE101-23082 SHEET No.	

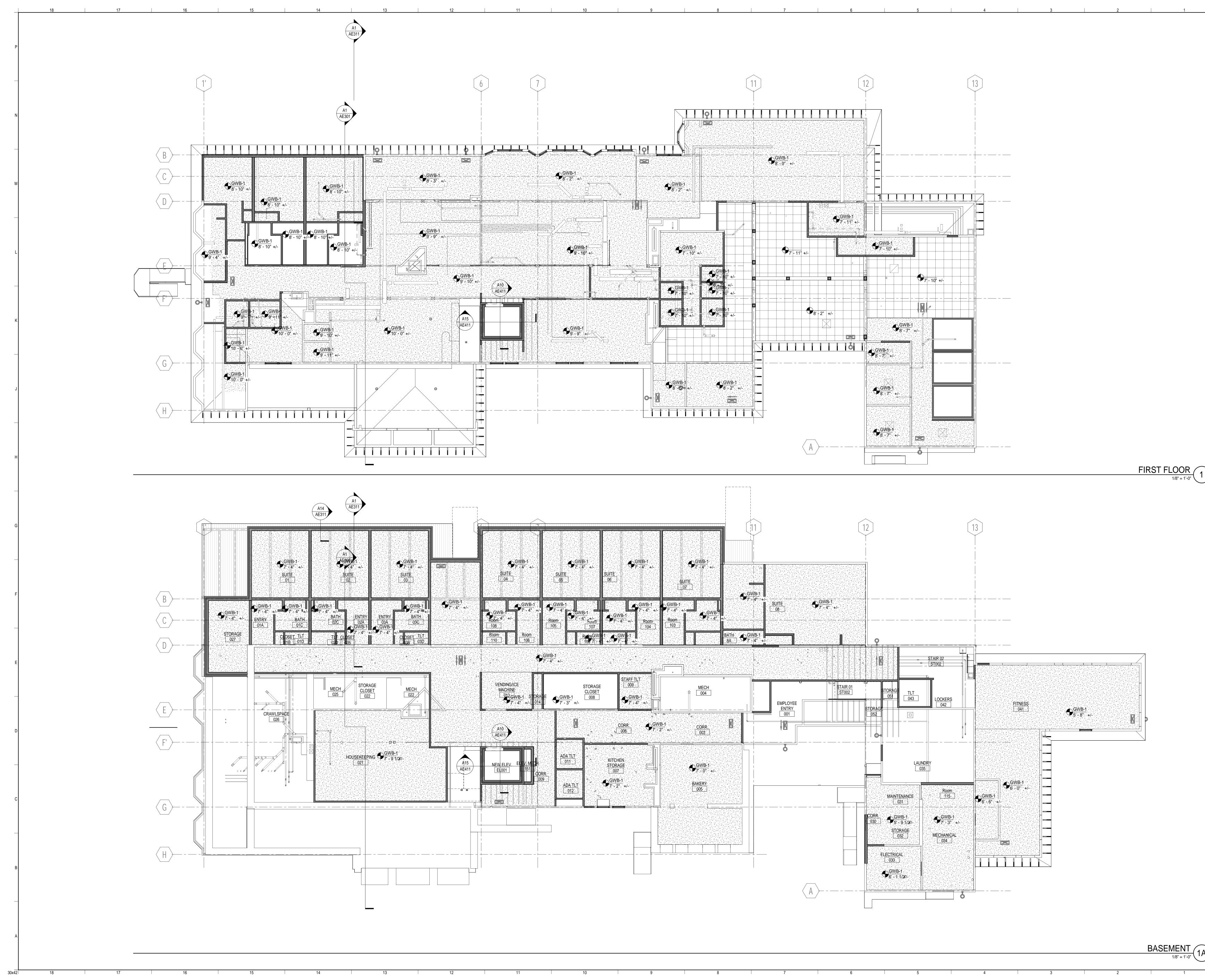




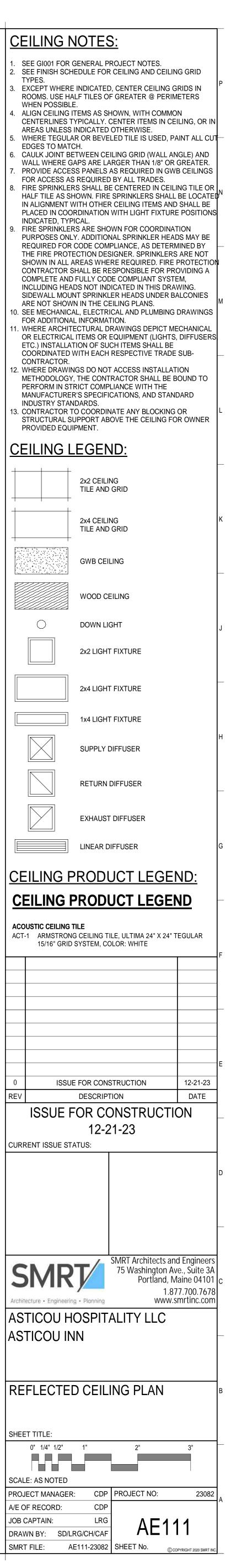
SECOND FLOOR PLAN 1/8" = 1'-0" (A1)

PLAN NOTES:	
<ol> <li>SEE GI001 FOR GENERAL PROJECT NOTES, LEGENDS AND ABBREVIATIONS.</li> <li>SEE GI001 FOR GENERAL MOUNTING HEIGHTS, TOP OF WALL DETAILS AND PARTITION TYPES.</li> <li>TYPICAL WALL PARTITION TO BE "S4" U.N.O.</li> <li>INFILL WALL PARTITIONS TO MATCH EXISTING U.N.O.</li> <li>CONTRACTOR IS RESPONSIBLE FOR REVIEWING CODE COMPLIANCE PLANS AND NOTIFYING THE ARCHITECT OF CONFLICTS BETWEEN WHAT IS IN THE FIELD AND ON THE CODE DOCUMENTS.</li> <li>REFER TO CODE COMPLIANCE PLANS FOR EXISTING</li> </ol>	P
<ul> <li>WALLS TO REQUIRE UPGRADED RATING. UPGRADE EXISTING WALL ASSEMBLIES AS DESCRIBED ON PLANS.</li> <li>7. DIMENSIONS ARE FACE OF CONCRETE, FACE OF MASONRY AND FACE OF STUD, UNLESS NOTED OTHERWISE.</li> <li>3. DOOR JAMBS (HINGE SIDE) SHALL BE 6" FROM CORNER IN STUD PARTITIONS UNLESS NOTED OTHERWISE.</li> <li>9. REFER TO DETAILS FOR ADDITIONAL DIMENSIONING INFORMATION.</li> <li>10. REFER TO ENLARGED PLANS FOR PARTITION TYPES AND DIMENSIONS IN AREAS WHICH ARE DETAILED AT A LARGER SCALE.</li> <li>11. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION</li> </ul>	N
OF OWNER PROVIDED EQUIPMENT INCLUDING BUT NOT LIMITED TO DIMENSIONAL INFORMATION, AND MECHANICAL, ELECTRICAL AND PLUMBING REQUIREMENTS. 12. CENTER FLOOR DRAINS IN SPACE UNLESS INDICATED OTHERWISE. 13. ALL NEW SUITE CLOSETS TO BE 2'-0" CLEAR INSIDE OF CLOSET TYPICAL, UNLESS NOTED OTHERWISE.	М
FLOOR PLAN KEYNOTESMARKDESCRIPTION012 NEW WINDOWS CENTERED IN DORMER. SPACE BETWEEN WINDOW UNITS TO MATCH EXISTING.01OUTDOOR VRF UNITS. SEE MECH02NEW GAS FIREPLACE WITHIN EXISTING FIREPLACE03NEW GAS FIREPLACE04NEW GAS FIREPLACE05UPGRADE RAILING TO BE 42" HIGH06MINI FRIDGE & COFFEE07HANDWASH SINK08ALIGN	L
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PROJECT NORTH:	
CN/DT/ 75 Washington Ave., Suite 3A	С
Architecture + Engineering + Planning WWW.Smrtinc.com	
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2ND & 3RD FLOOR PLANS	В
SHEET TITLE:	
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PROJECT MANAGER:     CDP     PROJECT NO:     23082       VE OF RECORD:     CDP	A
OB CAPTAIN: LRG DRAWN BY: SD/LRG/CH/CAF AE102 22082 SHEET No	
SMRT FILE: AE102-23082 SHEET No. ©COPYRIGHT 2020 SMRT INC.	





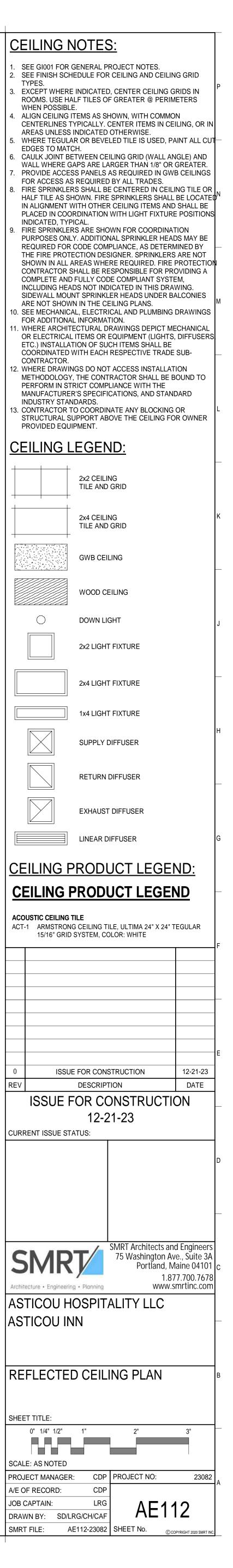
BASEMENT 1/8" = 1'-0"

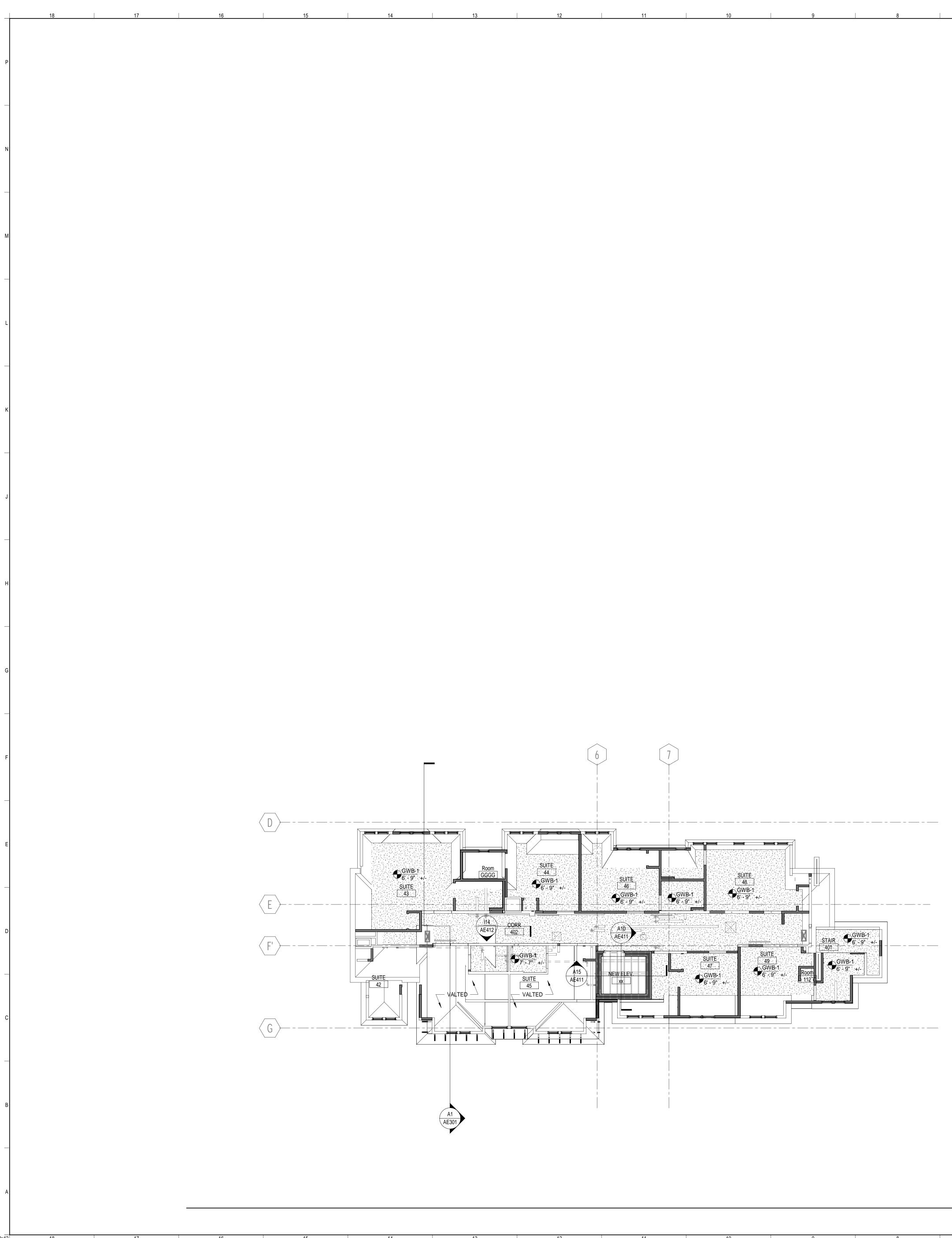




THIRD FLOOR 1/8" = 1'-0" 2

SECOND FLOOR 1/8'' = 1'-0





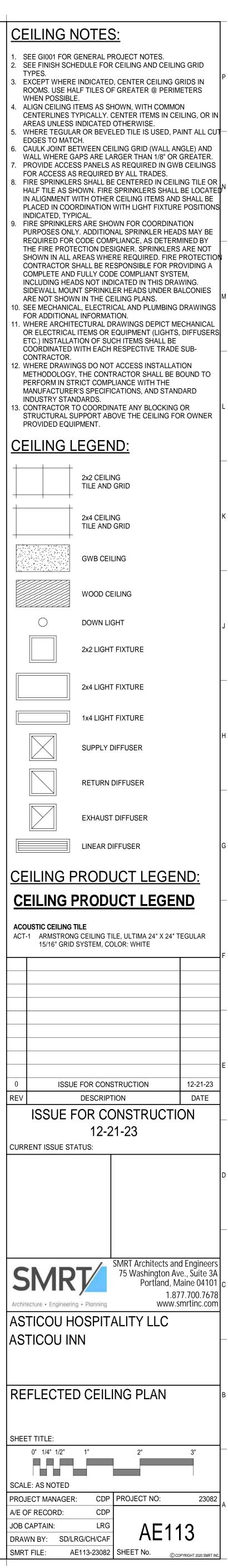
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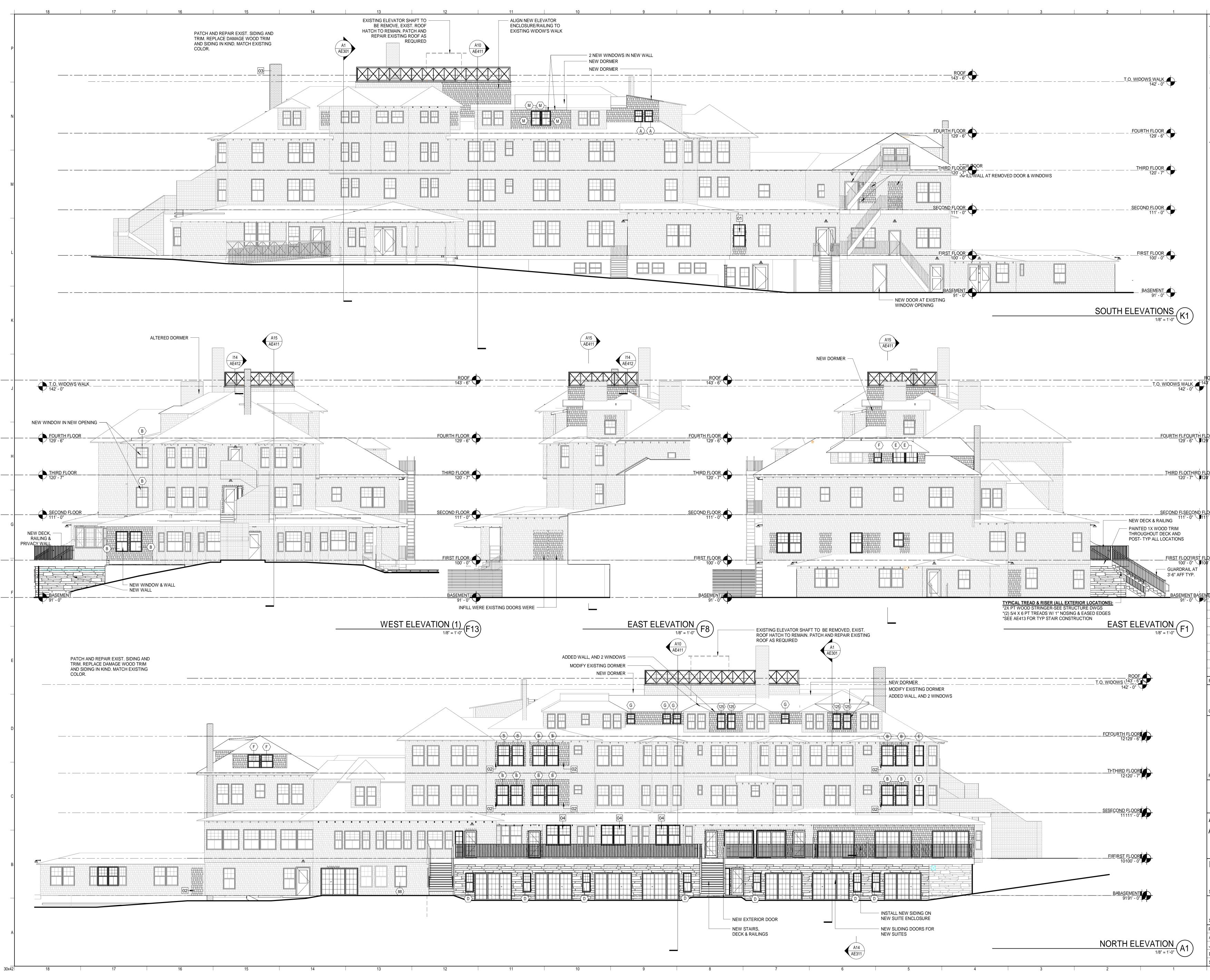
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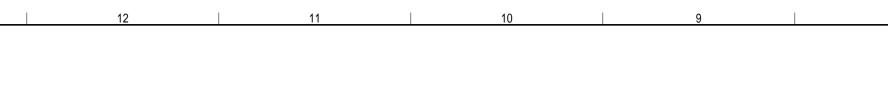
FOURTH FLOOR 1/8" = 1'-0"



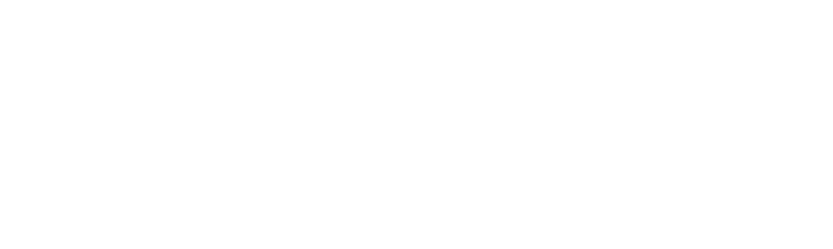


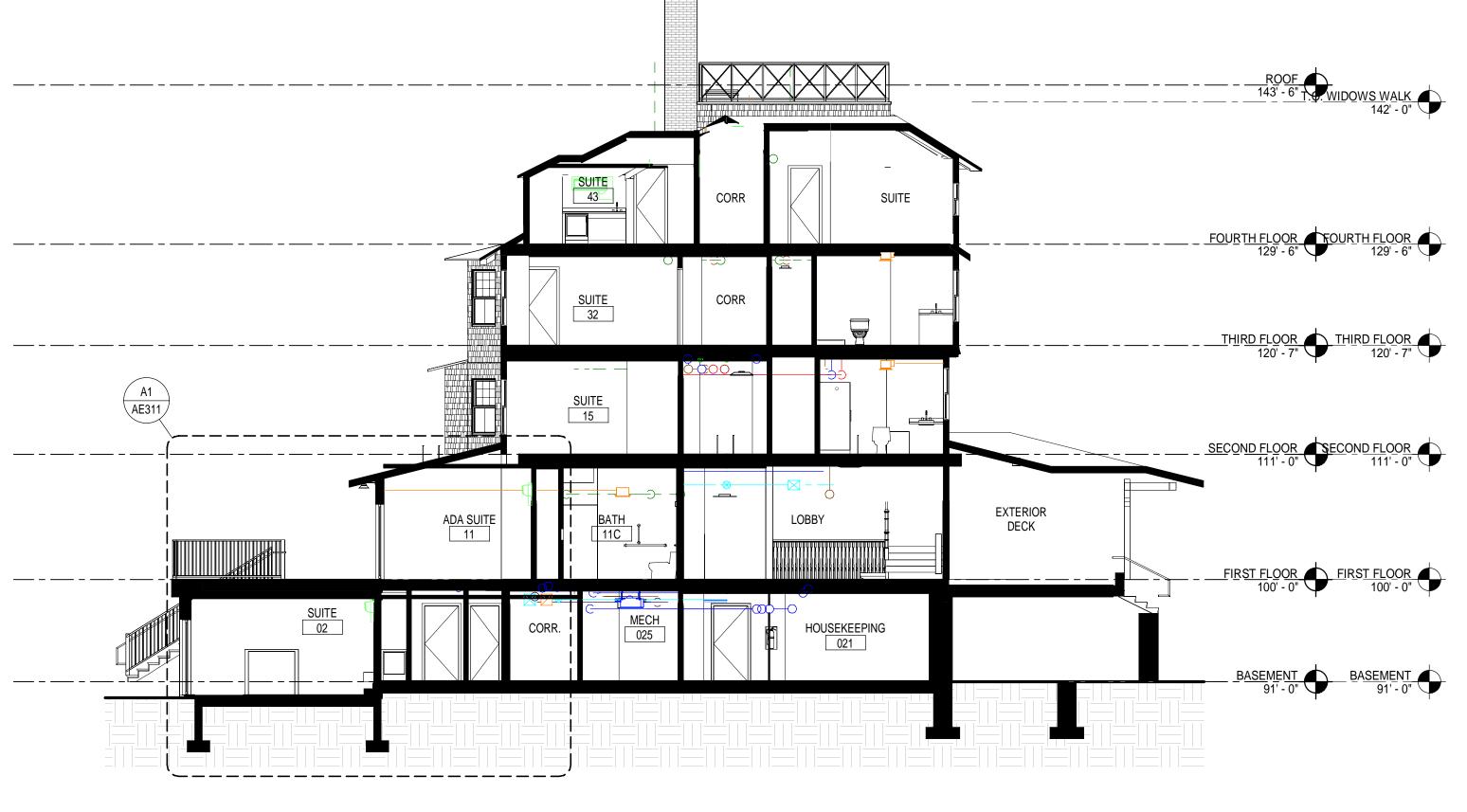
<ol> <li>REFER TO FIRE PROTECTION, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ALL RESPECTIVE FIXTURE/DEVICE LOCATIONS, COUNTS, &amp; ASSOCIATED RECESSED BOXES AT EXTERIOR WALLS.</li> <li>PROVIDE MASONRY CONTROL JOINTS AT ALL INSIDE MASONRY CORNERS AND WHERE SHOWN ON ELEVATIONS.</li> <li>PATCH AND REPAIR EXIST SIDING AND TRIM. REPLACE DAMAGE WOOD TRIM AND SIDING IN KIND. MATCH EXISTING COLOR.</li> <li>ALL WINDOWS NOT TAGGED IN EXTERIOR ELEVATION ARE REPLACEMENT UNITS WITHIN EXISTING OPENINGS UNO. ALL SIZING TO BE VIF. SEE EXTERIOR ELEVATIONS</li> </ol>	P
FOR MUNTIN PATTERNS.	N
EXTERIOR KEYNOTES: 1 NEW WINDOW WITHIN EXISTING DOOR OPENING, INFILL REMAINING OPENING 12 INFILL EXISTING OPENING	
<ul> <li>CHIMNEY TO BE REPOINTED AS REQUIRED</li> <li>TWO WINDOW UNIT WITHIN EXISTING OPENING.</li> </ul>	М
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EXTERIOR ELEVATIONS	В
SHEET TITLE: 0" 1/4" 1/2" 1" 2" 3"	┨
PROJECT MANAGER:     CDP     PROJECT NO:     23082       VE OF RECORD:     CDP       OB CAPTAIN:     LRG	A
OB CAPTAIN:     LRG       DRAWN BY:     SD/LRG/CH/CAF       SMRT FILE:     AE201-23082   SHEET No.    © COPYRIGHT 2020 SMRT IN	C.



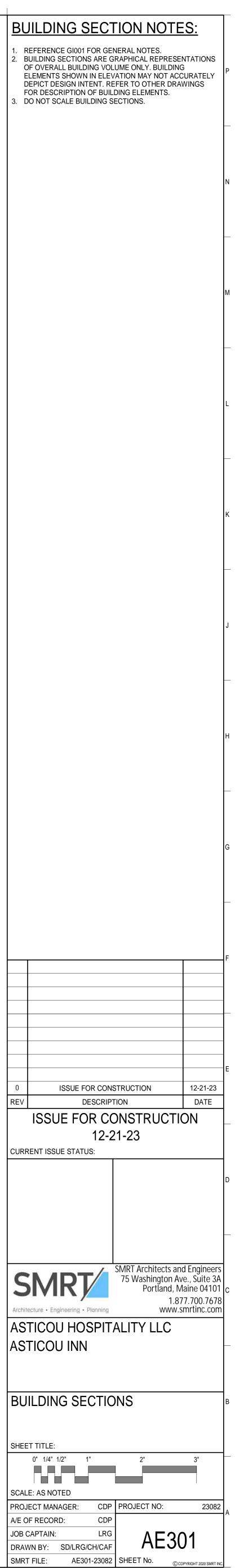




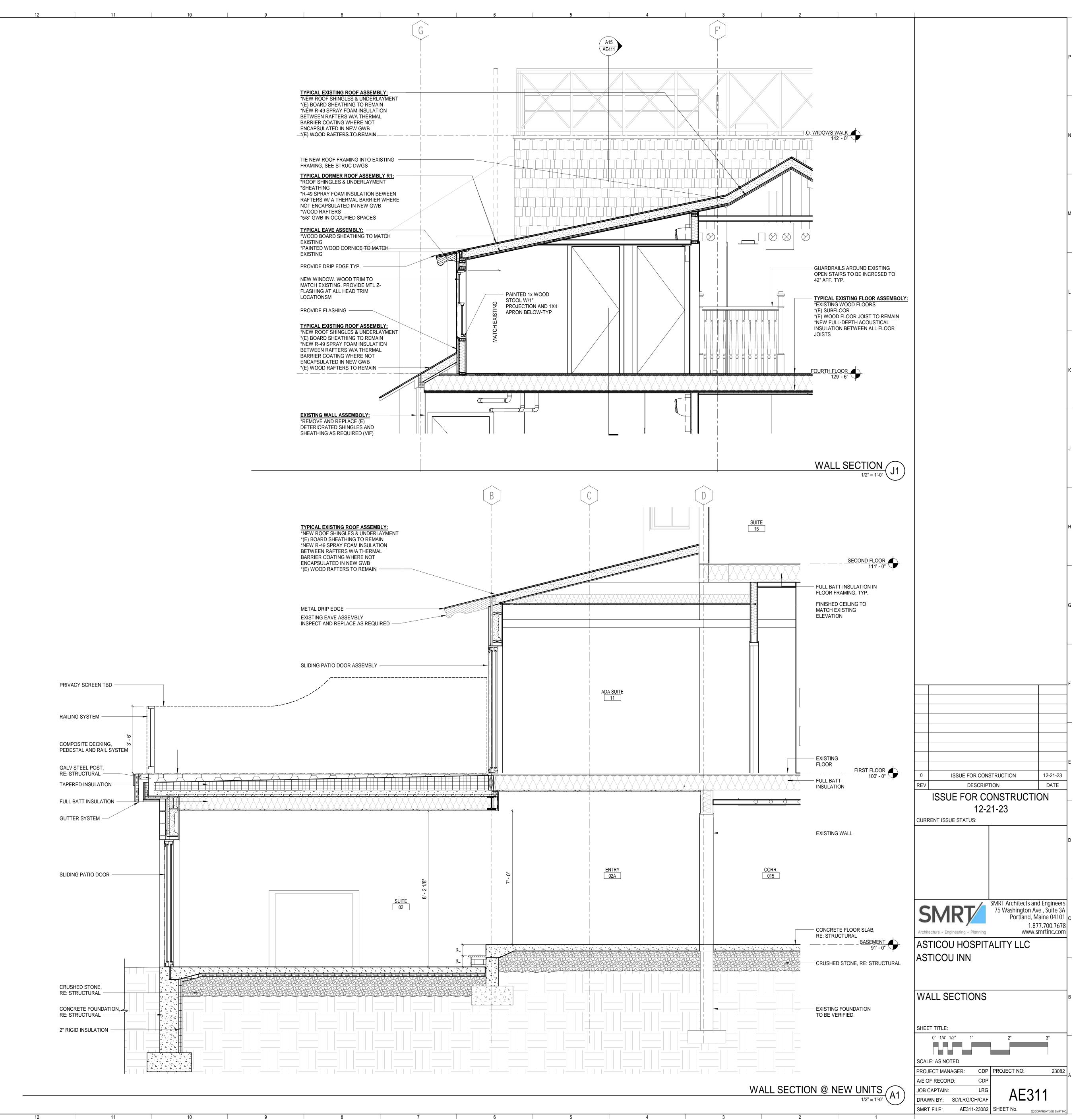


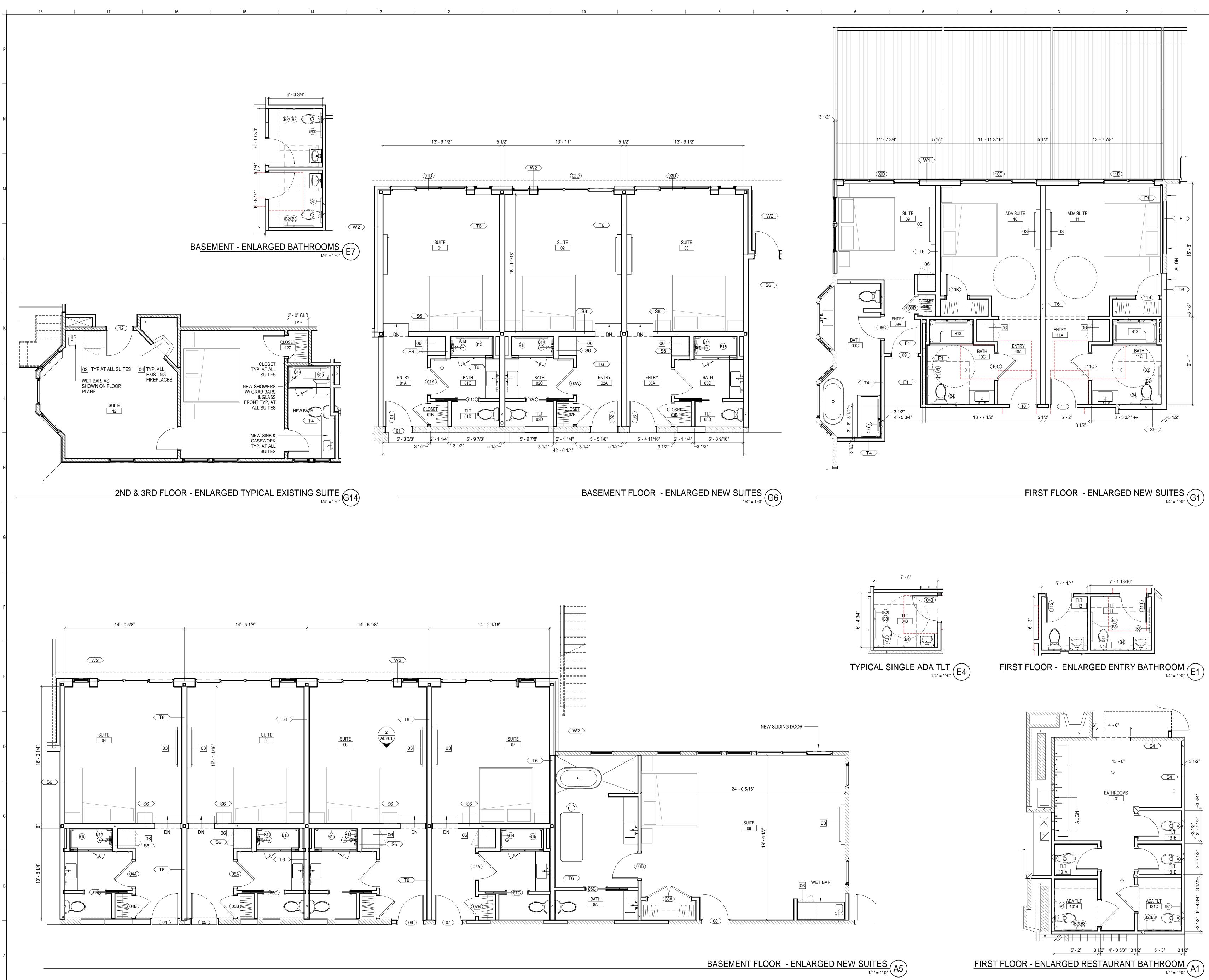


## BUILDING SECTION 1/8" = 1'-0" (A1)

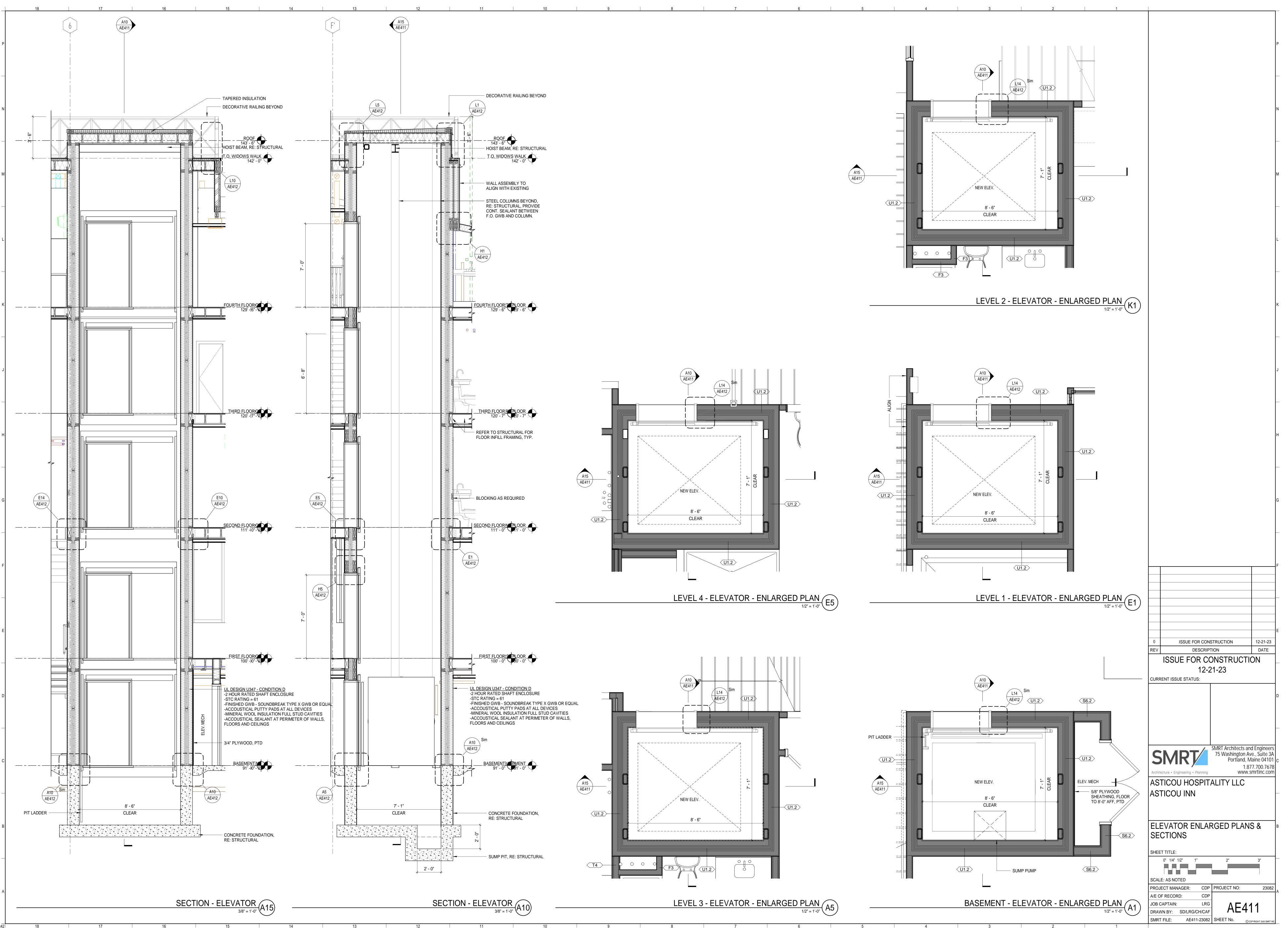


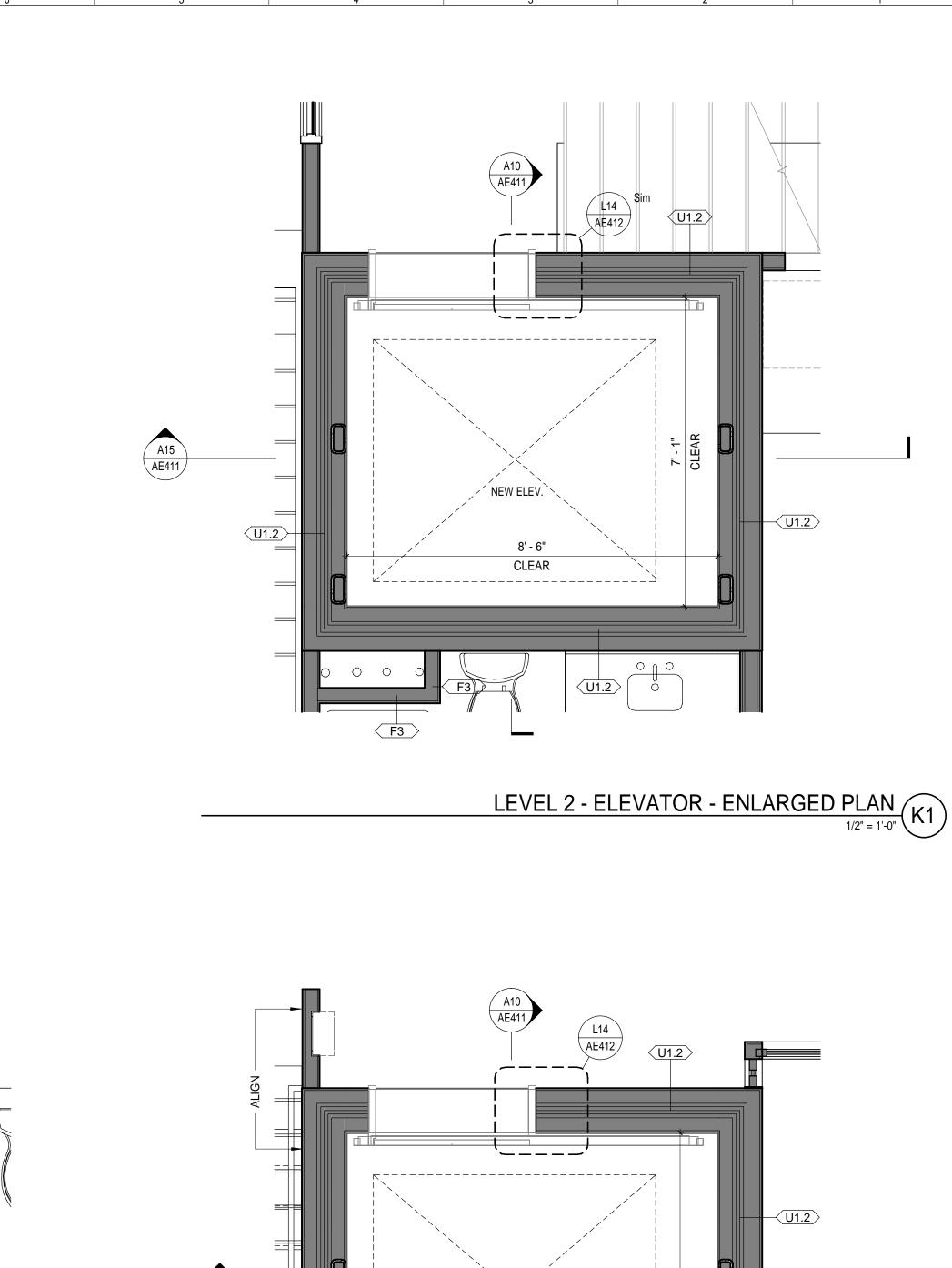
PRIVACY SCREEN TBD		
RAILING SYSTEM ————		
COMPOSITE DECKING, PEDESTAL AND RAIL SYSTEM		
GALV STEEL POST, RE: STRUCTURAL		
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FULL BATT INSULATION		
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STEEL LINTEL		
WINDOW		
		BASEMENT
WEEP		91' - 0"
SOLID GROUT CRUSHED STONE,		
RE: STRUCTURAL		
CONCRETE FOUNDATION, RE: STRUCTURAL		
2" RIGID INSULATION		
V	VALL SECTION - BASEMEN	
		1/2" = 1'-0"

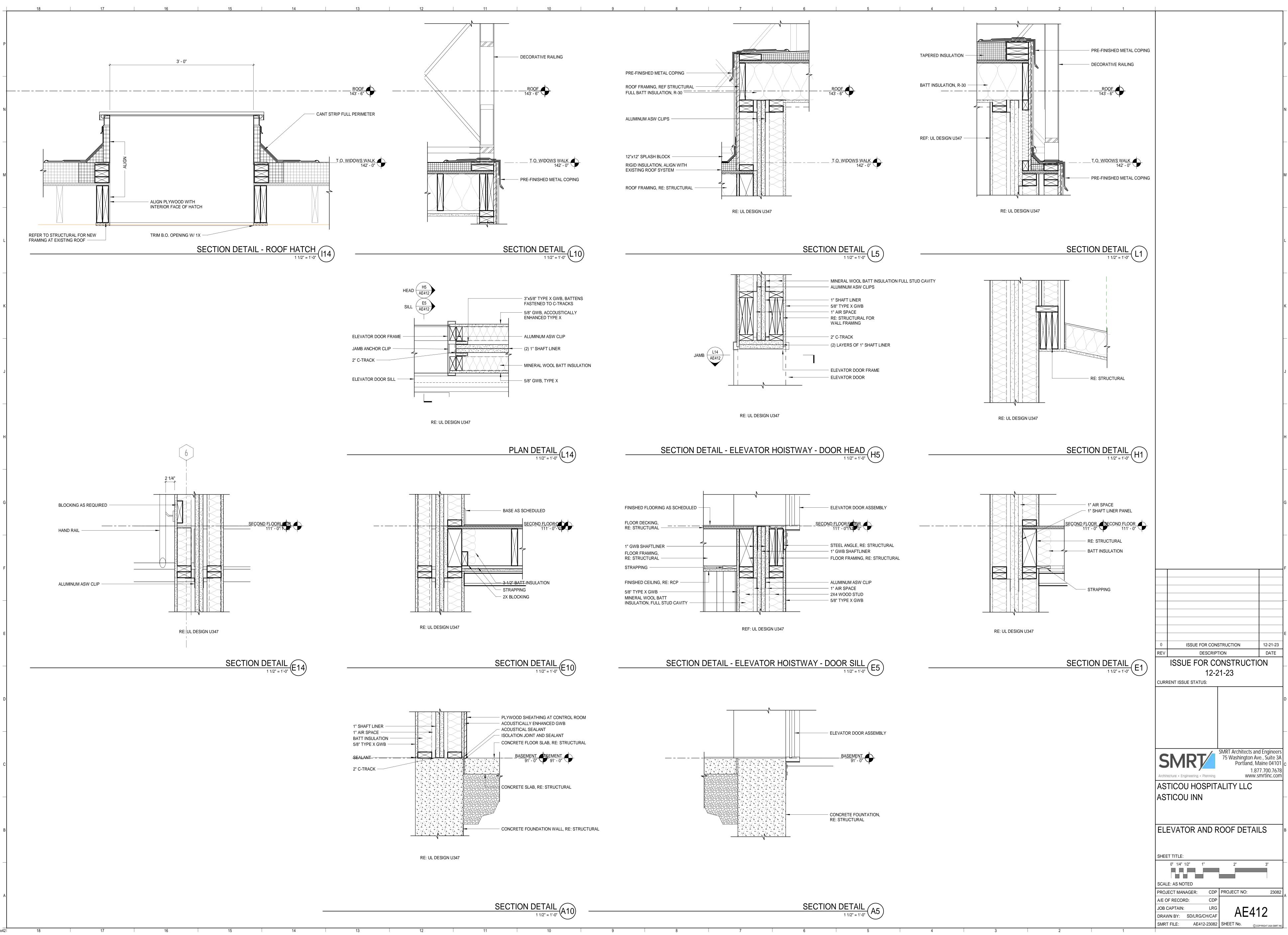


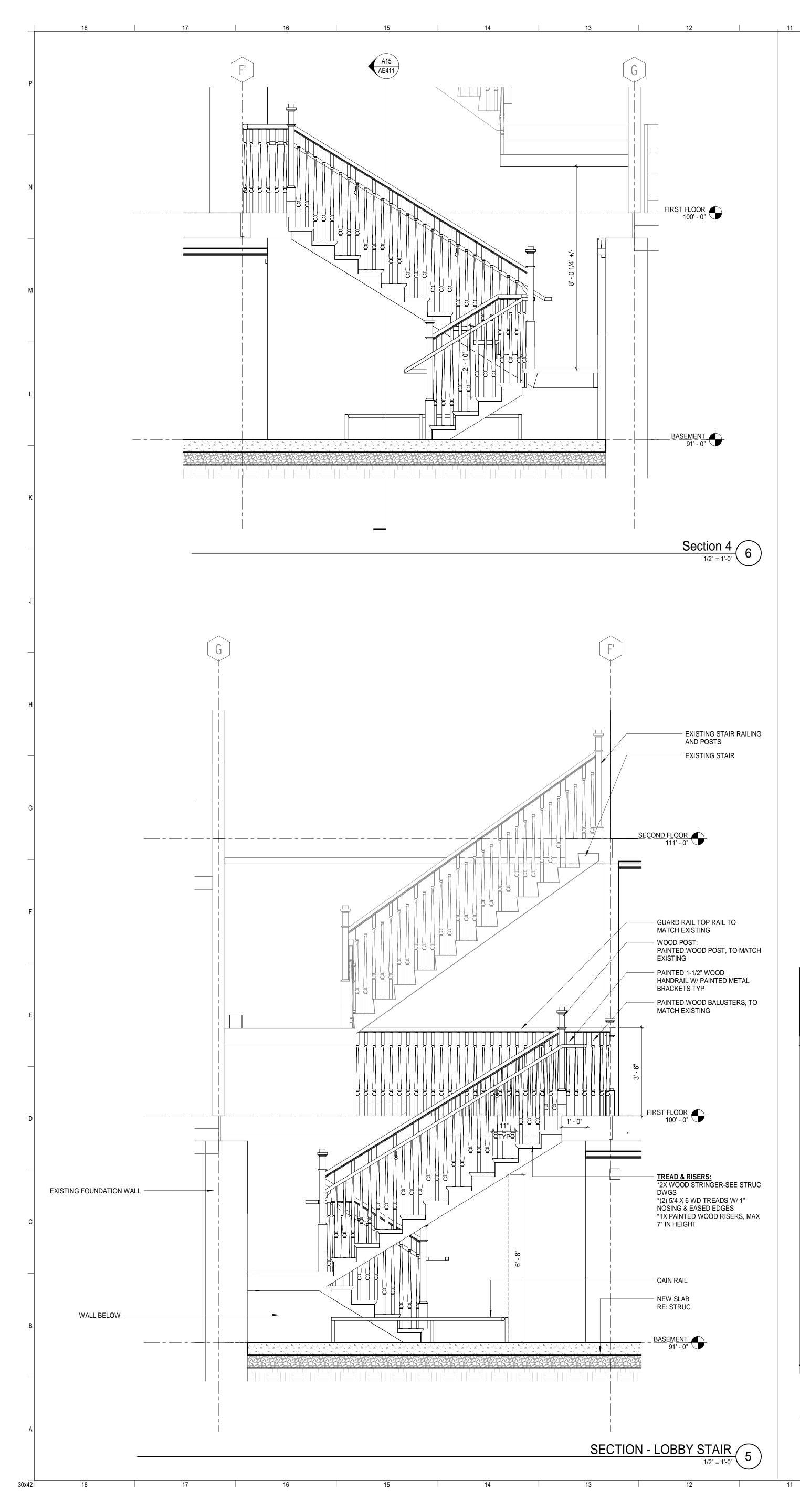


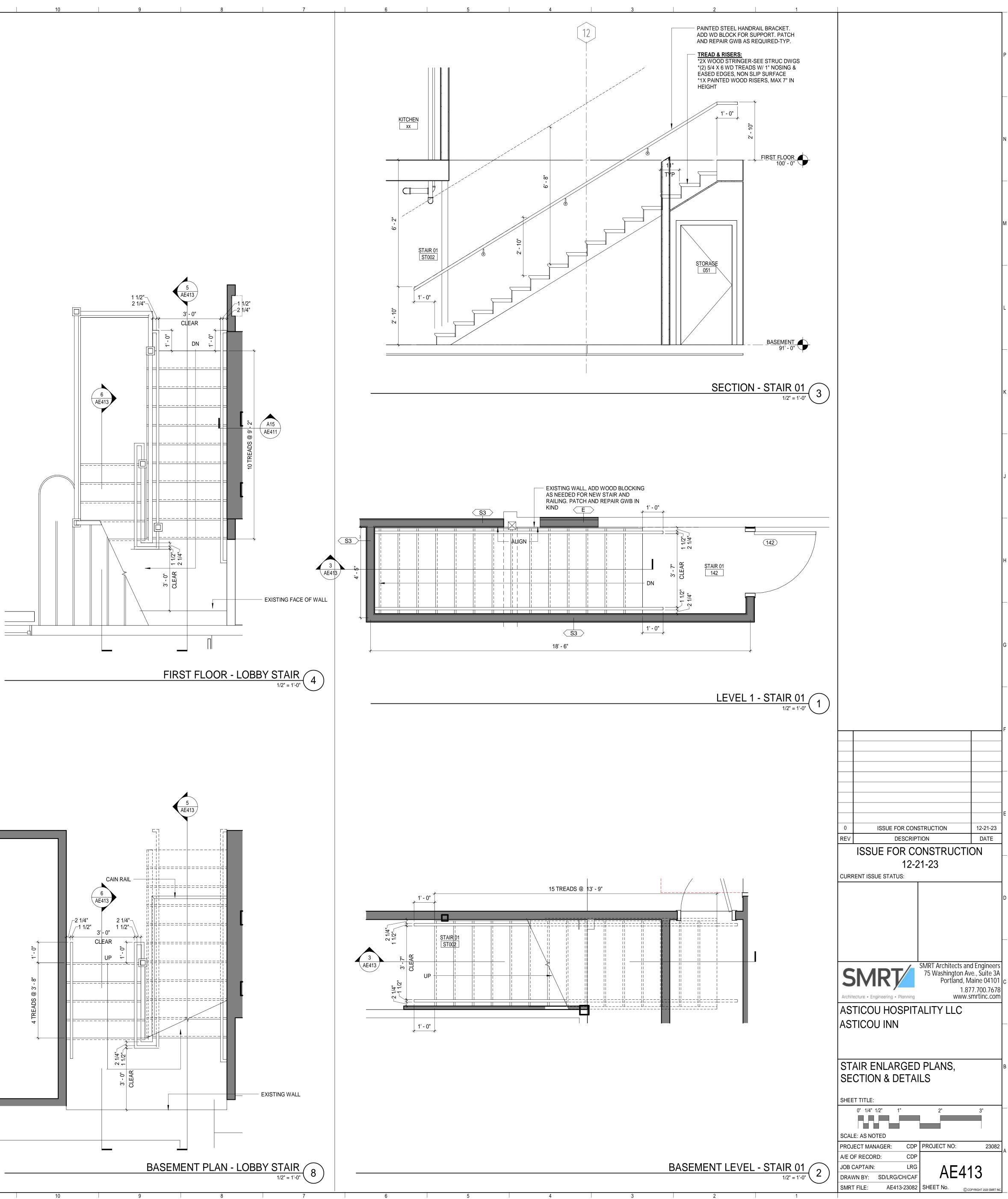
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OTI 13. ALL	NTER FLOOR DRAINS IN SPACE UNLESS INDIC HERWISE. _ NEW SUITE CLOSETS TO BE 2'-0" CLEAR INSI OSET TYPICAL, UNLESS NOTED OTHERWISE.		М
MARK 01 02 03 04 05 06 07 08	FLOOR PLAN KEYNOTE DESCRIPTION 2 NEW WINDOWS CENTERED IN DORMER. SF BETWEEN WINDOW UNITS TO MATCH EXISTI OUTDOOR VRF UNITS. SEE MECH NEW GAS FIREPLACE WITHIN EXISTING FIRE NEW GAS FIREPLACE WITHIN EXISTING FIRE UPGRADE RAILING TO BE 42" HIGH MINI FRIDGE & COFFEE HANDWASH SINK ALIGN	PACE NG. PLACE	
09 MARK	DESCRIPTION	) PROVIDER	
B2 B3 B4	42" GRAB BAR 18" VERTICAL GRAB BAR 36" GRAB BAR	C/C C/C C/C	K
B4 B5 B13	BABY CHANGING STATION ADA COMPLIANT SHOWER W/ GRAB BARS & BENCH	C/C C/C	
G1	LOCKERS	C/C	J
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Architect		e., Suite 3A	C
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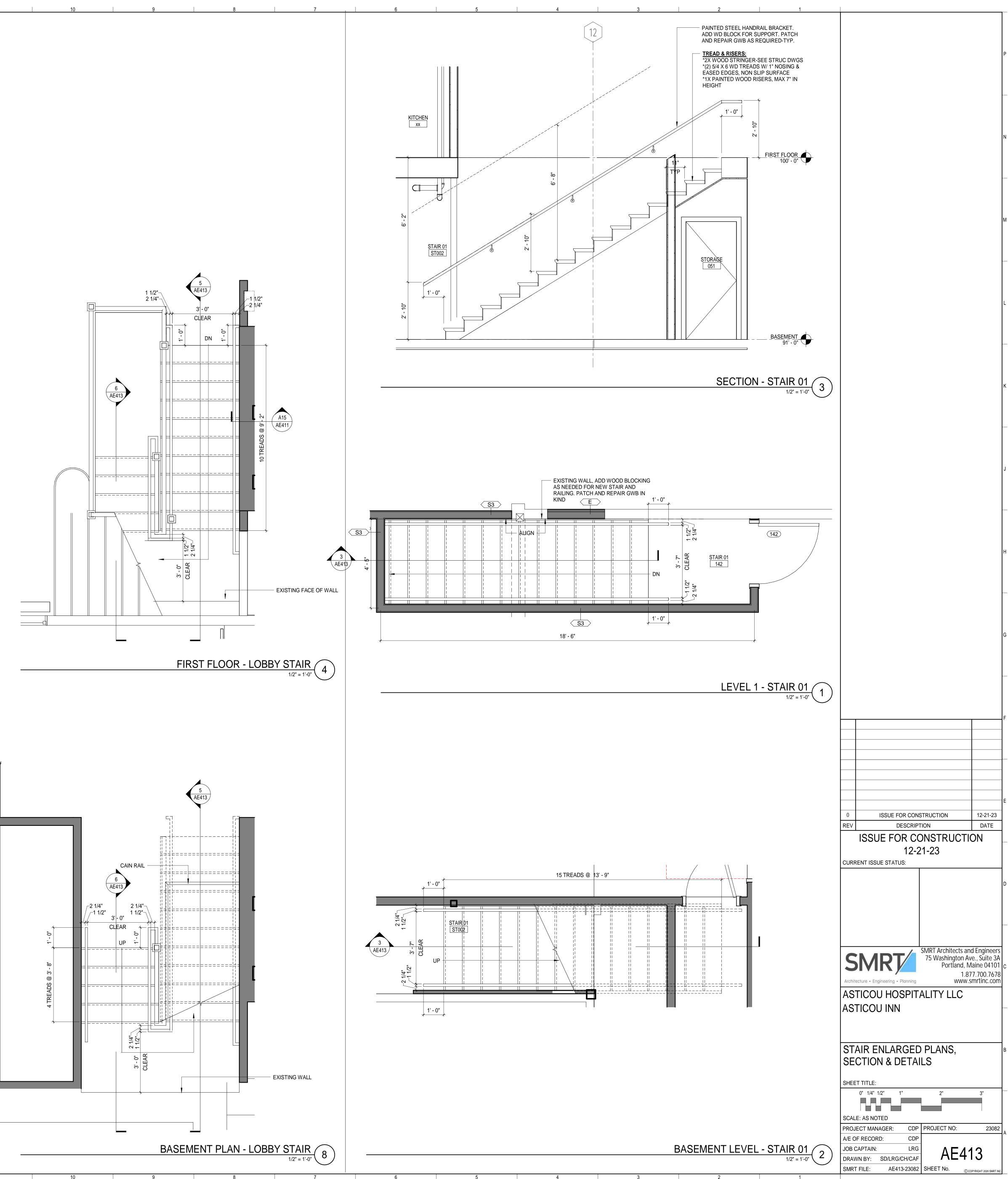


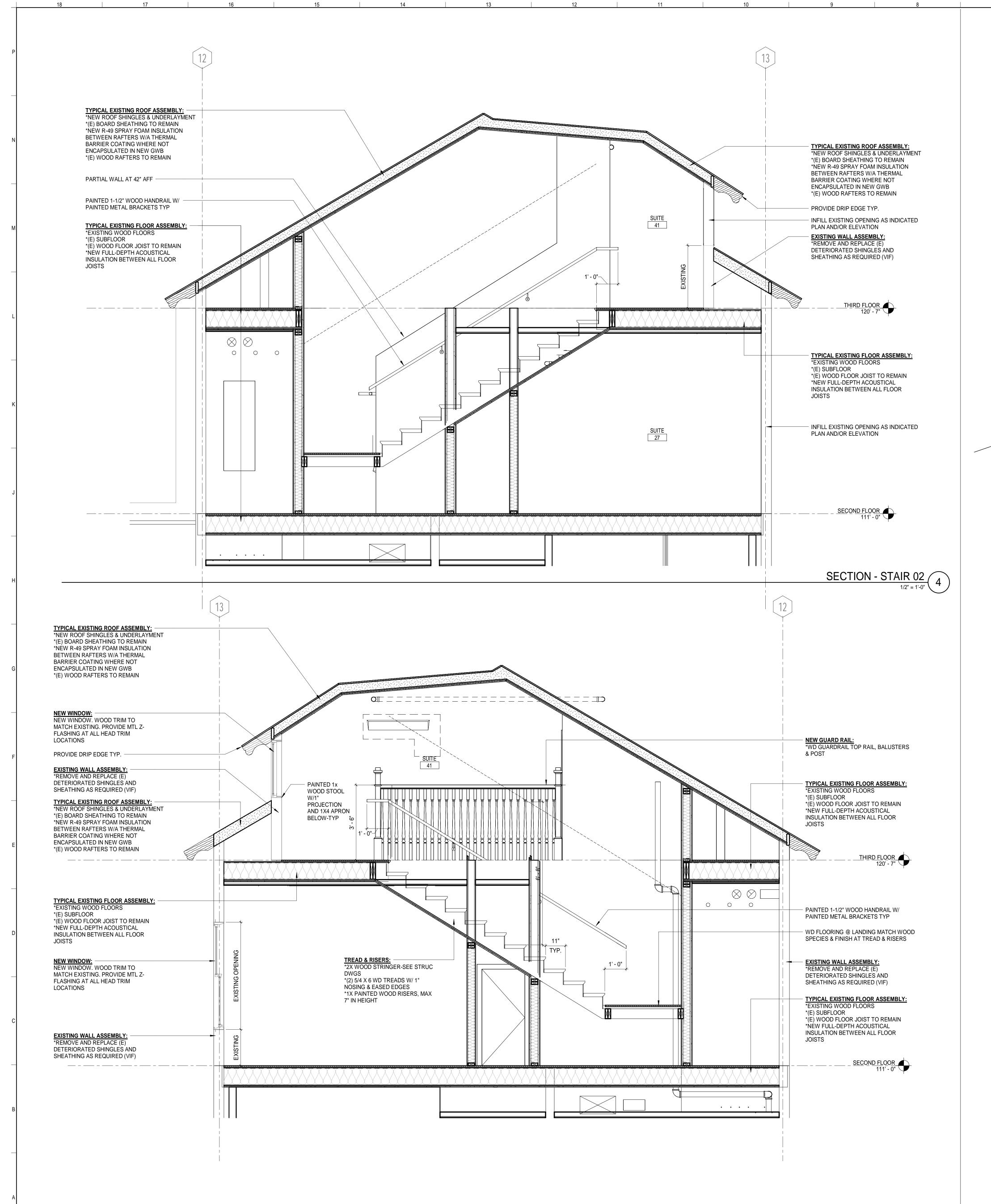


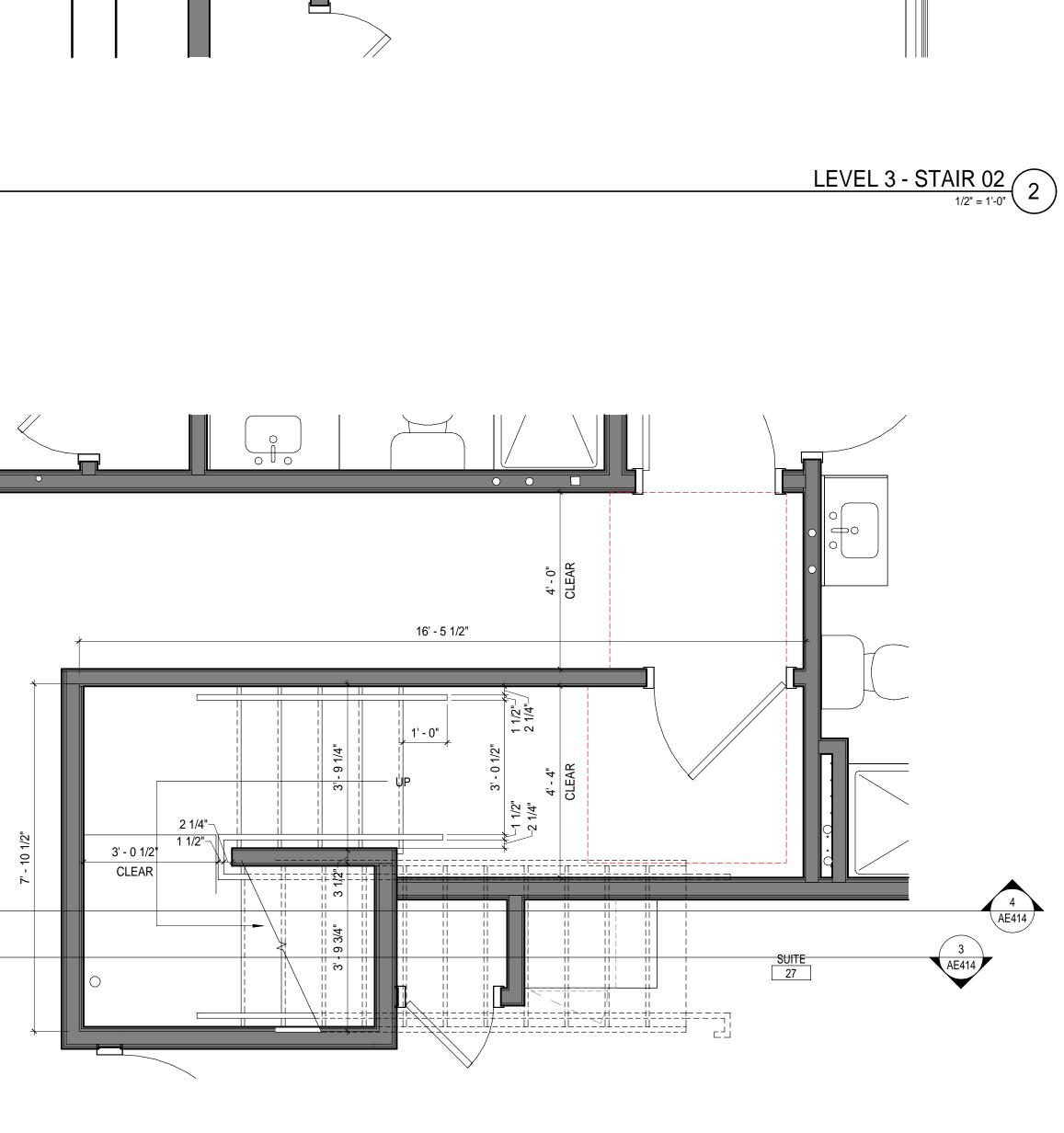


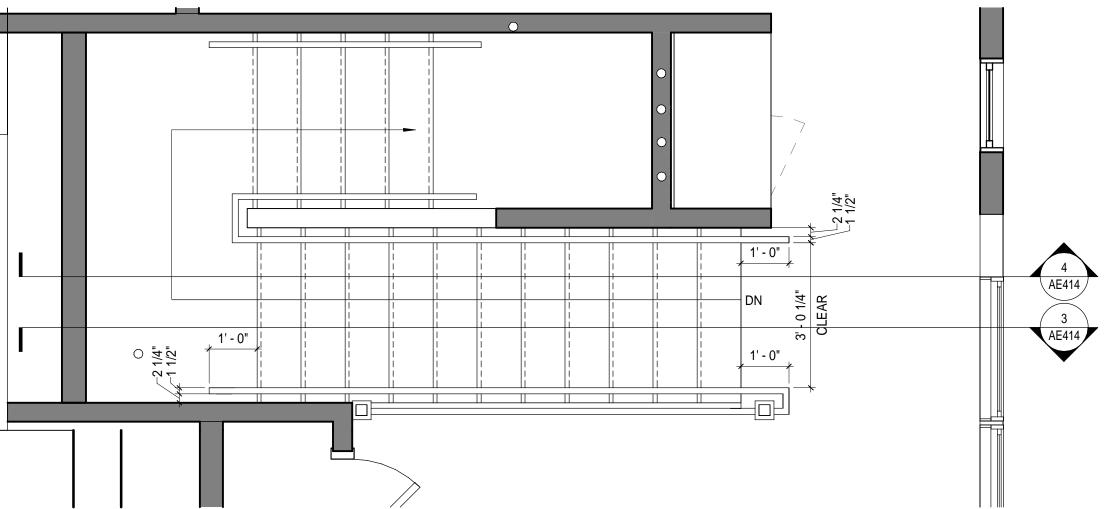












SUITE

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LEVEL 2 - STAIR 02 1/2" = 1'-0"

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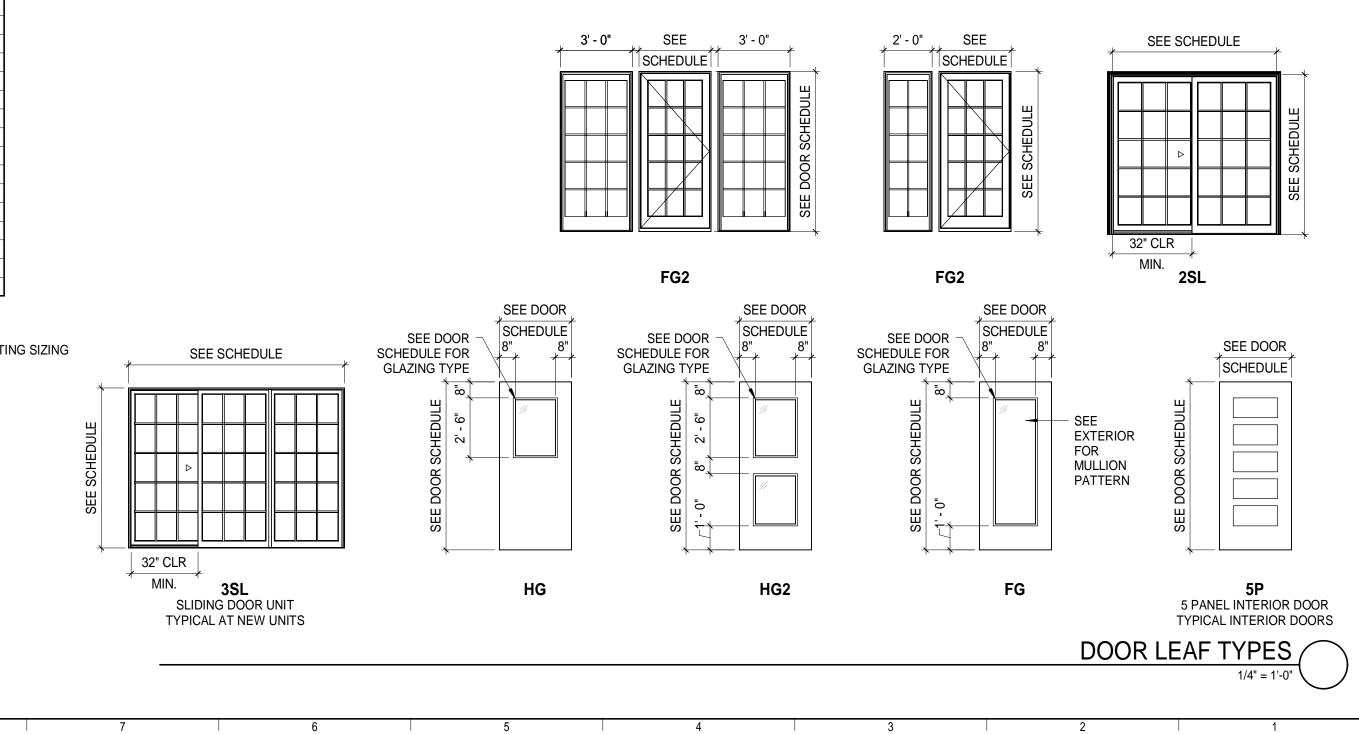
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Architecture • Engineering • Planning 1.877.700.7678 WWW.smrtinc.com	с
ASTICOU HOSPITALITY LLC ASTICOU INN STAIR ENLARGED PLANS, SECTION & DETAILS	B
SHEET TITLE: 0" 1/4" 1/2" 1" 2" 3" SCALE: AS NOTED PROJECT MANAGER: CDP PROJECT NO: 23082 A/E OF RECORD: CDP	
JOB CAPTAIN: LRG DRAWN BY: SD/LRG/CH/CAF SMRT FILE: AE414-23082 SHEET No. ©COPYRIGHT 2020 SMRT INC	4

			SCHEDUL					SCHEDUL	
DOOR NUMBER BASEMENT		DOOR PANEL	FIRE RATING	NOTES COMMENTS	DOOR NUMBER WIDT 16 3' - 0"	DOOR H HEIGH 6' - 8"		FIRE RATING 20 MIN.	NOTES COMMENTS
01 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P	20 MIN.		16A 2' - 6" 16B 2' - 6"	6' - 8" 6' - 8"	-		MATCH IN KIND
001A 3'	3' - 6" 6'	5' - 8" - 5' - 8" 5P		MATCH IN KIND	17 3' - 0" 17A 2' - 6"	6' - 8" 6' - 8"	5P	20 MIN.	
001B 3'	3' - 6" 6'	5' - 8" 5P 5' - 8" 5P		POCKET DOOR	17B 2' - 6" 18A 5' - 0"	6' - 8" 6' - 8"	5P		
01D 9'	9' - 0" 6'	5' - 8" 3SL	20 MIN.		18B 2' - 6" 19 3' - 0"	6' - 8" 6' - 8"	5P	20 MIN.	
02A 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P			19A 2' - 6" 19B 2' - 6"	6' - 8" 6' - 8"	5P		
02B 2'	2' - 6" 6'	5' - 8" 5P 5' - 8" 5P		POCKET DOOR	20 3' - 0" 20A 2' - 6"	6' - 8" 6' - 8"	5P	20 MIN.	MATCH IN KIND
02D 9'	9' - 0" 6'	5' - 8" 3SL	20 MIN.		20A         2 - 6           20B         3' - 0"           21         3' - 0"	6' - 8" 6' - 8"	5P	20 MIN.	
003 2'	2' - 6" 6'	5 - 8 5P 5' - 8" - 5' - 8" 5P		MATCH IN KIND	21 3 - 0 21A 2' - 6" 21B 3' - 0"	6' - 8" 6' - 8" 6' - 8"	5P		
03B 2'	2' - 6" 6'	6' - 8" 5P		POCKET DOOR	22 3' - 0"	6' - 8"	5P	20 MIN.	
03D 9'	9' - 0" 6'	5' - 8" 5P 5' - 8" 3SL 5' - 8" 5P			22A 2' - 6" 22B 2' - 6" 23 3' - 0"	6' - 8" 6' - 8"	5P	20 MIN	
004 3'	3' - 0" 6'	5P 5P	20 MIN. 20 MIN.		23 3' - 0" 23A 2' - 6" 23B 2' - 0"	6' - 8" 6' - 8" 5' - 10	5P	20 MIN.	
04B 2'	2' - 6" 6'	5' - 8" 5P 5' - 8" 5P			23B 2' - 0" 24 3' - 0" 244 2' - 0"	5' - 10 6' - 8"	5P	20 MIN.	
	9' - 0" 6'	5' - 8" 5P 5' - 8" 3SL		POCKET DOOR	24A 3' - 0" 24B 2' - 4"	6' - 8"	5P 5P	00.1411	
05A 3'	3' - 0" 6'	5' - 8" 5P	20 MIN.		25 3' - 0" 25A 2' - 8"	6' - 8"	5P	20 MIN.	
05C 2'	2' - 6" 6'	5' - 8" 5P 5' - 8" 5P		POCKET DOOR	25B 4' - 0" 26 3' - 0"	6' - 8"		20 MIN.	
		5' - 8" 3SL 5' - 8" 5P	20 MIN.		26A 2' - 0" 26B 3' - 0"		5P 5P		
006 3'	3' - 6" 6'	5' - 8" 5P 5' - 8" 5P			27 3' - 0" 27A 2' - 6"	6' - 8"		20 MIN.	
06B 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P		POCKET DOOR	27B 2' - 0" 28 3' - 0"	4' - 6"	5P	20 MIN.	
06D 9'	9' - 0" 6'	5' - 8" 3SL	20 MIN.		28 3-0 28B 2'-0" 28C 2'-6"	6' - 4"	5P 5P 5P		
	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P 5' - 8" 5P			41 3' - 0" 200A 3' - 0"	6' - 8"		20 MIN.	HOLD OPEN
07B 2'	2' - 0" 6'	5' - 8" 5P			200B 3' - 0"	6' - 8"	FG2		HOLD OPEN HOLD OPEN
07D 9'	9' - 0" 6'	5' - 8" 5P 5' - 8" 3SL		POCKET DOOR	201 3' - 0" 202 2' - 6"	6' - 8"			MATCH IN KIND
008 5'	5' - 0" 6'	5' - 8" 5P	20 MIN.		211 2' - 8" 212 2' - 8"	6' - 8"			MATCH IN KIND
		5' - 8" 5P 5' - 8" 5P			221         3' - 0"           228         3' - 0"	6' - 8" 6' - 8"		20 MIN.	
08C 2'	2' - 6" 6'	5' - 8" 5P 5' - 8" 3SL		POCKET DOOR	THIRD FLOOR 29 3' - 0"			20 MIN.	
009 3'	3' - 0" 6'	5' - 8" 5P	90 MIN.		29A 3' - 0" 29B 3' - 0"	6' - 8"	5P 5P		
009B 2'	2' - 6" 6'	5' - 8" - 5' - 8" 5P		MATCH IN KIND	29D 3-0 29C 2'-6" 30 3'-0"	6' - 8"	-	20 MIN.	MATCH IN KIND
012 3'	3' - 0" 6'	5P 5P			30A 2'-6"	6' - 8"	-		MATCH IN KIND
020 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" FG2			30B 3' - 0" 31 3' - 0"	6' - 8"	5P 5P	20 MIN.	
	2' - 6" 6'	5' - 8" 5P 5' - 8" -		MATCH IN KIND	31A         2' - 6"           31B         2' - 6"	6' - 8"	5P 5P		
		5' - 8" 5P 5' - 8" 5P			32 3' - 0" 32A 1' - 10"		5P 5P	20 MIN.	
031A 3' 033 3'	3' - 0" 6'	5' - 8" 5P 5' - 8"			32B         2' - 6"           33         3' - 0"	6' - 8"	-	20 MIN.	MATCH IN KIND
034 3'	3' - 0" 6'		20 MIN.	MATCH IN KIND	33A         2' - 0"           33B         3' - 0"	5' - 10			
035B 3' 041A 5'	3' - 0" 6'		45 MIN.	NEW DOOR IN EXISTING OPENING	34 3' - 0" 34A 2' - 0"	6' - 8"		20 MIN.	
041A 5 041B 3' 043 3'	3' - 0" 6'	5' - 8" - 5' - 8" 5P		MATCH IN KIND	34A         2 - 0           34B         2' - 6"           35         3' - 0"	6' - 8"	-	20 MIN.	MATCH IN KIND
044 3'	3' - 0" 6'	5' - 8" 5P			35A 2'-0"	5' - 10	' 5P		
052 2'	2' - 6" 6'	' - 10" 5P 5' - 8" -		MATCH IN KIND	35B 2' - 6" 36 3' - 0"	6' - 8"		20 MIN.	
062 3' FIRST FLOOI	OR		20 MIN.		36A 2' - 0" 36B 2' - 6"		5P 5P		
09 3' 09B 2'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P	20 MIN.		37         3' - 0"           37A         2' - 6"	6' - 8"		20 MIN.	
09C 2'	2' - 8" 6'	5' - 8" 5P 5' - 8" 3SL		EXTERIOR DOOR	37B 2' - 10" 38 3' - 0"	6' - 8"	5P	20 MIN.	
10 3' 10B 2'	3' - 0" 6'		20 MIN.		36         3 - 6           38A         2' - 0"           38B         2' - 6"		5P		MATCH IN KIND
10C 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 3SL		EXTERIOR DOOR	39 3' - 0" 39A 2' - 6"	6' - 8"		20 MIN.	
11 3'	3' - 0" 6'	5' - 8" 5P	20 MIN.		39B 2' - 6"	6' - 8"	5P		
11B 2' 11C 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P			40 3' - 0" 40A 2' - 6"	6' - 8"	5P	20 MIN.	
11D 9' 040 2'	2' - 6" 6'		20 MIN.	EXTERIOR DOOR MATCH IN KIND	40B 2' - 0" 41A 2' - 0"	5' - 10 5' - 10	' 5P		
049 2' 053 2'	2' - 8" 6'	5' - 8" -	20 MIN.	MATCH IN KIND MATCH IN KIND	41B 3' - 0" 301 3' - 0"	6' - 8"			MATCH IN KIND
101A 6' 101B 3'	3' - 0" 6'		20 MIN.	MATCH IN KIND MATCH IN KIND	302         2' - 6"           304         3' - 0"	6' - 8" 6' - 8"		20 MIN.	MATCH IN KIND
101C 1' 101D 1'	1' - 10" 6'	5' - 8" - 5' - 8" -		MATCH IN KIND MATCH IN KIND	311 3' - 0" FOURTH FLOOR	6' - 8"			MATCH IN KIND
101E 3' 102 6'		5' - 8" - 5' - 8" 5P	20 MIN.	MATCH IN KIND	09F         2' - 6"           42         3' - 0"		5P 5P	20 MIN.	
110 6' 110 3'	6' - 0" 6'	5' - 8" -	20 MIN.	MATCH IN KIND	42A 2' - 6" 42B 3' - 0"	6' - 8"	5P 5P		
111 3' 112 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P			43 3' - 0" 43A 2' - 6"	6' - 8"		20 MIN.	
113 3' 114 2'	3' - 0" 6'	5' - 8" 5P 5' - 8" 5P		WITHIN EXIST. OPENING	43B         2' - 6"           44         3' - 0"	6' - 8"	5P	20 MIN.	
114 2 115A 3' 121A 3'	3' - 0" 6'	5' - 8" FG 5' - 8" FG		EXTERIOR DOOR	44         3 - 0           44A         2' - 0"           44B         2' - 6"	6' - 8"	5P 5P 5P		
121B 7'	7' - 0" 6'	5' - 8"		EXTERIOR DOOR EXTERIOR DOOR EXTERIOR DOOR	44B         2' - 6"           45         3' - 0"           45A         2' - 0"	6' - 8"	5P	20 MIN.	
121C 7' 121D 3' 122 2'	3' - 0" 6'	5' - 8" 5' - 8" FG		EXTERIOR DOOR	45B 2' - 6"	6' - 8"	5P 5P	20 MIN	
122 3' 124A 5'	5' - 11" 6'	5' - 8" - 5' - 8" 5P		MATCH IN KIND, FLIP DOOR SWING	46 3' - 0" 46A 2' - 6"	6' - 8"	5P	20 MIN.	
124B 3' 125 3'	3' - 0" 6'	5' - 8" 5P 5' - 8" FG2			46B 2' - 0" 47 3' - 0"	6' - 8"		20 MIN.	
132A 2' 132B 2'	2' - 6" 6'	5' - 8" 5P 5' - 8" 5P			47A 2' - 6" 47B 2' - 6"	6' - 8"	5P 5P		
133C 3' 133D 3'		5' - 8" 5P 5' - 8" 5P			48         3' - 0"           48A         2' - 6"		5P 5P	20 MIN.	
133E 2' 135A 5'	2' - 6" 6'	5' - 8" 5P 5' - 8"			49 3' - 0" 49A 2' - 0"	6' - 8"		20 MIN.	
135B 4' 136 3'	4' - 6" 6'	5' - 8" -		MATCH IN KIND	49B         2' - 6"           401         2' - 6"		5P		MATCH IN KIND
137 3' 138 3'	3' - 0" 6'	5' - 8" - 5' - 8" -		MATCH IN KIND MATCH IN KIND	Grand total: 250			,	
130 2' 141A 2'	2' - 6" 5'	' - 10" - 5' - 8" -		MATCH IN KIND MATCH IN KIND MATCH IN KIND	NOTE:				
141B 3'	3' - 0" 6'	5' - 8" -	20 MIN.	MATCH IN KIND	1. ALL DOORS WITH 2. ALL INTERIOR DO	H THE COMMEN DORS TO BE LE	T "MATCH IN KIND" AF TYPE FP UNLES	ARE REPLACEME S NOTED OTHERV	ENT DOOR IN EXISTING OPENIN WISE.
141C 3' 142 3'	3' - 0" 6'	5' - 8" - 5' - 8" 5P		MATCH IN KIND HOLD OPEN					
SECOND FLC	3' - 0" 6'		20 MIN.						
12A 2' 12B 2'	2' - 6" 6'	5' - 8" - 5' - 8" -		MATCH IN KIND MATCH IN KIND					
		5' - 8" - 5' - 8" 5P	20 MIN.	MATCH IN KIND					
12C 2' 13 3'		5' - 8" 5P							
13         3'           13A         2'           13B         2'           14         3'	2' - 6" 6' 3' - 0" 6'	5' - 8" 5P 5' - 8" 5P	20 MIN.						
13       3'         13A       2'         13B       2'         14       3'         14A       2'         14B       2'	2' - 6" 6' 3' - 0" 6' 2' - 6" 6' 2' - 6" 6'	5' - 8" 5P 5' - 8" 5P 5' - 8" 5P 5' - 8" 5P	20 MIN.						

16 15 14

12	11	10	9	



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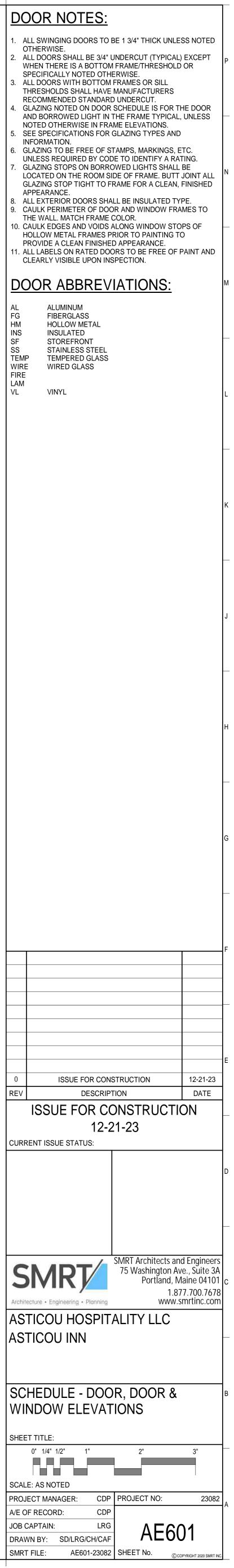
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WINDOW ELEVATIONS

1/4" = 1'-0"

3' - 0" 2' - 0" 2' - 9" 3' - 0" 2' - 0" \* \* -FINISH FLOOR- $\langle A \rangle$  $\langle G \rangle$  $\langle F \rangle$ E  $\langle D \rangle$  $\langle c \rangle$ B NOTES: 1. ALL WINDOWS NOT TAGGED IN EXTERIOR ELEVATION ARE REPLACEMENT UNITS WITHIN EXISTING OPENINGS UNO. ALL SIZING TO BE VIF. SEE EXTERIOR ELEVATIONS FOR MUNTIN PATTERNS. 2. WINDOW SILLS TO BE 8" MIN. ABOVE ANY ROOF THAT IS DIRECTLY BELOW THE SILL TYPICAL.



### AIR DISTRIBUTION SYMBOLS

### \_ 12x16 RECTANGULAR DUCT. (FIRST NUMBER IS SIDE SHOWN) DIMENSIONS IN INCHES 12" Ø 12 INCH ROUND DUCT MOTORIZED DAMPER DUCT FLEXIBLE CONNECTOR (FC) D R DUCT DROPS AND RISES IN DIRECTION OF AIR FLOW RETURN DUCT TURNED UP OR DOWN (DASHED) SUPPLY DUCT TURNED UP OR DOWN (DASHED) EXHAUST DUCT TURNED UP OR DOWN (DASHED) ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA) ROUND DUCT ELBOW DOWN ROUND DUCT ELBOW UP TRANSITION CAP (DUCT AND/OR PIPE) INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED. EA EXHAUST AIR VOLUME DAMPER FIRE DAMPER SMOKE DAMPER COMBINATION FIRE/SMOKE DAMPER RECTANGULAR ELBOW W/TURNING VANES DIRECTION OF AIR FLOW (IN) DIRECTION OF AIR FLOW (OUT) HUMIDISTAT OR HUMIDITY SENSOR THERMOSTAT (T'STAT) OR TEMP. SENSOR SMOKE DETECTOR — AIR TERMINAL I.D. S-3 DIFFUSER, REGISTER OR GRILLE TAG 300 CFM AIR FLOW

PIPING SYMBOLS		GENERAL SYMBOLS		EVIATIONS				
	ØPG X	A1 DETAIL I.D.	AAV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	PSE	PRO
	PRESSURE GAUGE AND COCK	DETAIL TAG MH401 SHEET NO. WHERE DETAIL IS LOCATED	ACC	AIR COOLED CONDENSER	ER	EXHAUST REGISTER	PP	POL
			ACU	AIR CONDITIONING UNIT	(E)	EXISTING	PPE	PRE
PIPE GUIDE OR SLEEVE	TEMPERATURE AND PRESSURE TAP (PETE'S PLUG)	L KEYED NOTE	AD	ACCESS DOOR	EXIST.	EXISTING	PRS	PRE
PIPE ELBOW TURNED DOWN	HOSE END DRAIN VALVE WITH CAP	EF-1 MECHANICAL EQUIPMENT TAG	AE	ACID EXHAUST	FBO	FURNISHED BY OWNER	PRV	PRE
O PIPE ELBOW TURNED UP		LIMIT OF DEMOLITION	AFF	ABOVE FINISHED FLOOR	FBP	FACE AND BYPASS	PVD	PNE
€ PIPING TEE-DOWN		CONNECTION OF NEW WORK TO EXISTING	AFMS	AIR FLOW MEASURING STATION	FC	FLEXIBLE CONNECTOR	(R)	REM
	EXPANSION JOINT		AHU	AIR HANDLING UNIT	FD	FIRE DAMPER	RA	RET
O PIPE RISER	F&T STEAM TRAP (FLOAT AND THERMOSTATIC INDICATED T.T. THERMOSTAT, B.T. BUCKET		ATC	AUTOMATIC TEMPERATURE CONTROL	FG	FIBERGLASS	(REL.)	REL
			A) /		F&T	FLOAT AND THERMOSTATIC	RF	RET
GATE VALVE	CONCENTRIC REDUCER/INCREASER		AV		FO	FLAT OVAL	RG	RET
	DIRECTION OF FLOW		BB	BASEBOARD	FTR	FINNED TUBE RADIATION	RHC	RE
			BDD		FS	FLOW SWITCH	RM	RO
2-WAY CONTROL VALVE			BG	BLAST GATE	GC	GENERAL CONTRACTOR	RR	REI
3-WAY CONTROL VALVE			BLDG	BUILDING	GPM	GALLONS PER MINUTE	RV	REL
BALANCING VALVE (CIRCUIT SETTER)			BOD	BOTTOM OF DUCT	н	HUMIDIFIER	SA	SUF
CHECK VALVE	DP DIFFERENTIAL PRESSURE TRANSMITTER		BOP		HB	HOSE BIBB	SCV	SEL
	FTR-1 FINNED TUBE I.D.		BTU	BRITISH THERMAL UNIT	HRU	HEAT RECOVERY UNIT	SD	SMO
	10'-0" FINNED TUBE RADIATION TAG		CBD	COUNTER BALANCED DAMPER	HTR	HEATER	SF	SUF
	2 GPM LENGTH OF FINNED ELEMENT		CD		H & V	HEATING AND VENTILATING	SG	SUF
	- FLOW		CFF	CAPPED FOR FUTURE	HVAC	HEATING, VENTILATING AND AIR	SR	SUF
			CFM	CUBIC FEET PER MINUTE		CONDITIONING	SS	STA
			CLG	CEILING	HW	HOT WATER	TE	TEN
PRESSURE REGULATING VALVE			CONT	CONTINUATION	HX	HEAT EXCHANGER		(SE
			COORD	COORDINATION	IN WG	INCHES WATER GAUGE	TG	TRA
PRESSURE RELIEF VALVE			СТ	COOLING TOWER	MAU	MAKEUP AIR UNIT	TOD	TOF
			CTE	CONNECT TO EXISTING	MAX	MAXIMUM	TOP	TOF
STRAINER W/ BLOWDOWN			CU	COPPER	MBH	1000 BTU/HR	TTS	TIG
ጭ 4			CUH	CABINET UNIT HEATER	MD	MOTORIZED DAMPER	TV	TUF
MANUAL AIR VENT			CV	CONTROL VALVE	ME	MECHANICAL ENGINEER	TYP	TYF
AUTOMATIC AIR VENT			CW	COLD WATER	MFR	MANUFACTURER	UH	UNI
			DC	DOUBLE CONTAINED	MIN	MINIMUM	UIC	UP
<b>P</b> FS			DDC	DIRECT DIGITAL CONTROL	MPV	MULTI-PURPOSE VALVE	UIW	UP
FLOW SWITCH			DIA	DIAMETER	MTD	MOUNTED	UV	UNI
			DIC	DOWN IN CHASE	MUA	MAKE UP AIR	VAV	VAF
			DIW	DOWN IN WALL	NPW	NON-POTABLE WATER	VB	VAC
			DN	DOWN	NTS	NOT TO SCALE	VCFF	VAL FUT
			DT	DROP AND TRANSITION	OA	OUTSIDE AIR		
			DWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VD	
			DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	VFD	VAF
			EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST	VRF	VAF
			EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST	VOC	VOL
							VTR	VEN

### PIPING SYSTEMS

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TYP. 3 QUANTITY

	=				
CD	- CONDENSATE DRAIN	<del></del> нд	HOT GAS		REFRIGERANT LIQUID
— CHWS —	- CHILLED WATER SUPPLY	HPS	HIGH PRESSURE STEAM	——————————————————————————————————————	REFRIGERANT SUCTION
CHWR	- CHILLED WATER RETURN	HPR	HIGH PRESSURE CONDENSATE RETURN	—— TWS ——	TEMPERED CHILLED WATER SUPPL
	- CONDENSER WATER SUPPLY	—— HWS ——	HOT WATER SUPPLY	——— TWR ———	TEMPERED CHILLED WATER RETUR
	- CONDENSER WATER RETURN	—— HWR ——	HOT WATER RETURN	ZB	ZONE VALVE BOX
DB	<ul> <li>DISTRIBUTION VALVE BOX</li> </ul>	LPS	· LOW PRESSURE STEAM		
FCS	FREE COOLING SUPPLY	LPR	· LOW PRESSURE RETURN		
FCR	- FREE COOLING RETURN	—— MPS ——	• MEDIUM PRESSURE STEAM		
FOS	- FUEL OIL SUPPLY	—— MPR ——	MEDIUM PRESSURE RETURN		
FOR	- FUEL OIL RETURN		• NON POTABLE COLD WATER		
FOV	- FUEL OIL VENT	PCWR	PROCESS COOLING WATER RETURN		
GCR	- GRAVITY STEAM CONDENSATE RETURN	PC	PUMPED STEAM CONDENSATE		
GLY	- GLYCOL		PUMPED DISCHARGE		
HCR	- HOT/CHILLED WATER RETURN		• POTABLE WATER		
HCS	<ul> <li>HOT/CHILLED WATER SUPPLY</li> </ul>	—— R ——	• RELIEF LINE		

14

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PROCESS SOLVENT EXHAUST
POLY-PROPYLENE
PREPURCHASED EQUIPMENT
PRESSURE REDUCING STATION
PRESSURE REDUCING VALVE
PNEUMATIC VOLUME DAMPER
REMOVE
RETURN AIR
RELOCATED
RETURN FAN
RETURN GRILLE
REHEAT COIL
ROOM
RETURN REGISTER
RELIEF VALVE
SUPPLY AIR
SELF CONTAINED VALVE
SMOKE DETECTOR
SUPPLY FAN
SUPPLY GRILLE
SUPPLY REGISTER
STAINLESS STEEL
TEMPERATURIZED ELEMENT (SENSOR)
TRANSFER GRILLE
TOP OF DUCT
TOP OF PIPE
TIGHT TO STEEL
TURNING VANE(S)
TYPICAL
UNIT HEATER
UP IN CHASE
UP IN WALL
UNIT VENTILATOR
VARIABLE AIR VOLUME BOX
VACUUM BREAKER
VALVED AND CAPPED FOR FUTURE
MANUAL VOLUME DAMPER
VARIABLE FREQUENCY DRIVE
VARIABLE REFRIGERANT FLOW
VOLITILE ORGANIC COMPOUND
VENT THROUGH ROOF

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WITH

### GENERAL NOTE:

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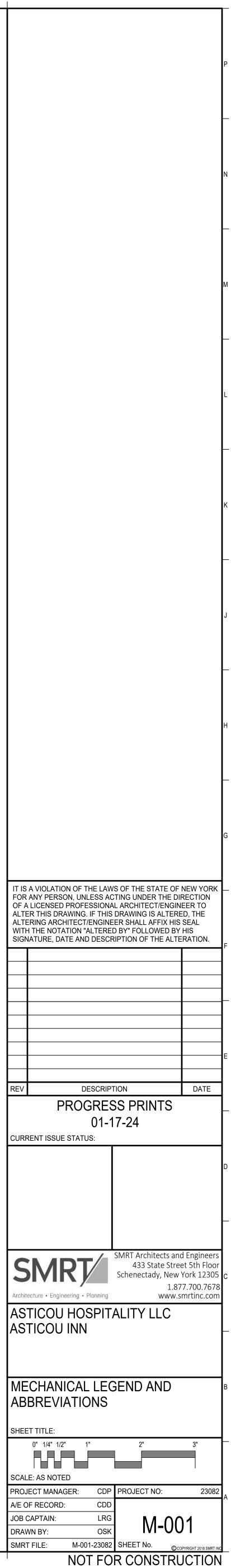
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. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL MECHANICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.



### MECHANICAL GENERAL NOTES:

- 1. ALL MECHANICAL GENERAL NOTES, SYMBOLS, LISTS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL MECHANICAL DRAWINGS FOR THIS PROJECT.
- 2. THE MECHANICAL CONTRACTOR SHALL BE FAMILIAR WITH ALL CONTRACT DOCUMENTS FOR ALL TRADES AND COORDINATE WITH OTHER CONTRACTORS.
- 3. OBTAIN ALL PERMITS AND APPROVALS TO PERFORM THE WORK.
- 4. MECHANICAL CONTRACTOR SHALL REPORT ASBESTOS TO GENERAL CONTRACTOR.
- 5. SAFETY CONFINED SPACE WORK: THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY LIGHTING, VENTILATION, EMERGENCY EXTRACTION EQUIPMENT, ETC. FOR ALL WORK WITHIN CONFINED SPACE (IF APPLICABLE). ALL CONFINED SPACE ENTRY SHALL BE COORDINATED WITH OWNER AND COMPLETED PER OSHA GUIDELINES.
- 6. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXISTING AND NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC., SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS
- 7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL LOCATIONS OF DIFFUSERS, REGISTERS, GRILLES, THERMOSTATS, SECT.

PERMISSION OF THE ENGINEER.

- 8. THE CONTRACTOR SHALL VISIT THE SITE, BECOME FAMILIAR WITH THE EXISTING FIELD CONDITIONS, AND MAKE THEIR OWN ESTIMATE OF THE DIFFICULTIES IN EXECUTING THE WORK PRIOR TO SUBMITTING ITS BID. NO COMPENSATION WILL BE AWARDED TO THE CONTRACTOR BASED ON A CLAIM OF LACK OF KNOWLEDGE OF EXISTING FIELD CONDITIONS.
- 9. THE CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE "AS-BUILT" BASE BUILDING CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON HIS WORK. POTENTIAL PROBLEM AREAS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER IMMEDIATELY.
- 10. THE MECHANICAL CONTRACTOR SHALL COORDINATE ANY PREMIUM WORK REQUIRED FOR THE PROJECT WITH THE GENERAL CONTRACTOR.
- 11. REVIEW PROTOCOL AND PROCEDURES WITH FACILITY OWNERS AND OPERATORS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BUILDING OWNER'S PROTOCOL AND PROCEDURES BY ITS EMPLOYEES AND SUB-CONTRACTORS.
- 12. THE FIRE PROOFING OF THE BUILDING STRUCTURE IS NOT TO BE REMOVED FOR THE INSTALLATION OF HANGERS, SUPPORTS, DUCTWORK, ETC. IF FIRE PROOFING IS DAMAGED, IT SHALL BE REPAIRED AT THE EXPENSE OF THE TRADE.
- 13. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE AND BUILDING OWNER STANDARDS AND REQUIREMENTS.
- 14. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE HVAC WORK COMPLETE AND READY FOR OPERATION.
- 15. ALL MATERIALS AND EQUIPMENT UNLESS SPECIFICALLY INDICATED AS REUSED, SHALL BE
- 16. SHUTDOWN OF EXISTING SYSTEMS FOR CONNECTION TO EXISTING SERVICES SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR AND BUILDING OWNER. THIS CONTRACTOR SHALL SUBMIT REQUESTS, WHERE THEY AFFECT THE OPERATION OF THE BUILDING SYSTEMS, AT LEAST ONE WEEK IN ADVANCE OF ANY REQUIRED SHUTDOWN. THE ACTUAL SHUTDOWN PERIOD SHALL BE AS SHORT AS POSSIBLE AND AT A TIME MUTUALLY AGREEABLE TO THE BUILDING OWNER AND THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR.
- 17. IF REQUIRED THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
- 18. CONTRACTOR IS TO MAINTAIN SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE. IF INTERRUPTION OF SERVICE IS REQUIRED COORDINATE SHUTDOWN WITH PROJECT ENGINEER AND OWNER.
- 19. THE CONTRACTOR SHALL VERIFY SHUTDOWN AND ISOLATION VALVE LOCATIONS. THE CONTRACTOR SHALL COORDINATE ALL SHUTDOWN WORK WITH THE FACILITY OWNER AND OPERATOR
- 20. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- 21. WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS.

- NOMINAL SIZES.
- OF OTHER DISCIPLINES.
- 27. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS.
- SYSTEM.
- CONTRACTORS.

- 35. REMOVED SHALL BE REMOVED AND CAPPED.
- LOCATIONS IN THE FIELD BASED ON EXISTING CONDITIONS.
- BUILT" DRAWINGS.
- EQUIPMENT/FURNITURE LAYOUT.
- 41. COORDINATE ELECTRICAL POWER REQUIREMENTS FOR ALL MOTORS.
- 42. COORDINATE WITH OWNER FURNISHED EQUIPMENT AND SYSTEMS.

- CLEAN AND NEAT CONDITION.

### 22. EQUIPMENT SCHEDULED IS THE BASIS OF DESIGN, OR APPROVED EQUAL. MANUFACTURERS NAME & MODEL NUMBER ARE USED FOR DESCRIPTIVEPURPOSES ONLY & ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED.

23. MANY EQUIPMENT SCHEDULES DO NOT LIST QUANTITIES. CONTRACTOR SHALL REFER TO ALL DRAWINGS AND PROVIDE THE REQUIRED QUANTITIES OF ALL COMPONENTS. 24. DIFFUSER SIZES INDICATED ARE NECK SIZES REGISTERS & GRILLES ARE INDICATED AS

### 25. DUCTWORK, PIPING AND EQUIPMENT ARE NOT COMPLETELY DETAILED ON THE DIAGRAMS AND ELEVATIONS PROVIDED ON THE DRAWINGS ARE APPROXIMATE. THE DISTRIBUTION IS INTENDED AS A GENERAL ROUTING ONLY, BUT DOES ILLUSTRATE THE DESIRED LOCATION. THE CONTRACTOR SHALL AVOID INTERFERENCES WITH OTHER EQUIPMENT AND THE WORK

26. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE PLANS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.

VERIFY AND PROVIDE DUCT AND/OR PIPE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION. 28. NOT ALL VALVES, INSTRUMENTS AND CONTROLS ARE SHOWN IN THE PLAN VIEWS. INSTALL

PIPING AND VALVES AS SHOWN ON APPLICABLE DIAGRAMS AND DETAILS. SEE DETAILS. PIPING DIAGRAMS, SEQUENCE OF OPERATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL VALVES, CONTROLS & FITTINGS NECESSARY FOR COMPLETE PIPING

### 29. DRAWINGS OF REVISED DUCTWORK AND PIPING ARRANGEMENTS SHALL BE SUBMITTED IF ITEMS ARE NOT SHOWN ON THE DRAWINGS. REVISIONS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE CHANGES. 30. COORDINATE REMOVALS AND RELOCATION'S INCLUDING SELECTIVE CUTTING AND

PENETRATIONS WITH ARCHITECTURAL, PLUMBING, STRUCTURAL AND ELECTRICAL

31. MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE UTILITIES PENETRATIONS TO BE SEALED, SEE ARCHITECTURAL DRAWINGS FOR PARTITION HEIGHTS. DUCTWORK AND PIPING SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.

32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HANDLING, STORAGE AND SETTING OF ALL EQUIPMENT AND MATERIAL. CRANES, LIFTS, HOSTS, AND SCAFFOLDING OF ALL EQUIPMENT SHALL BE EMPLOYED AS REQUIRED TO COMPLETE THE INSTALLATION.

33. FIELD VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT PRIOR TO REMOVAL OR REUSE. CONFIRM WITH PROJECT ENGINEER THAT ALL EQUIPMENT AND PIPING DESIGNATED TO BE REMOVED IS NO LONGER IN SERVICE PRIOR TO ITS REMOVAL. PROJECT ENGINEER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMO'D EQUIPMENT.

34. EXISTING DUCTWORK, PIPING AND EQUIPMENT TO REMAIN IN SERVICE SHALL BE INSPECTED. REPORT INOPERABLE EQUIPMENT TO PROJECT ENGINEER.

36. REFER TO PIPING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS, EXISTING ROOM THERMOSTATS AND SENSORS SHALL BE PROTECTED

DURING CONSTRUCTION AND RELOCATED AS INDICATED ON THE DRAWINGS. 37. TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT

38. THIS CONTRACTOR SHALL CONNECT HIS WORK TO VARIOUS EXISTING PIPING, DUCTWORK, AND CONTROL SYSTEMS IN THE BASE BUILDING. THE NEW WORK SHALL BE COMPATIBLE WITH THE EXISTING SYSTEMS. LOCATION OF EQUIPMENT OR THE ROUTING OF THE VARIOUS SYSTEMS AS WELL AS OPENINGS IN FLOOR SLABS OR WALLS SHALL BE GOVERNED BY THE EXISTING CONDITIONS AS THEY APPEAR IN THE FIELD OR ON THE "AS-

39. COORDINATE THE LOCATIONS OF ALL WALL MOUNTED EQUIPMENT WITH FINAL

40. INTENT OF PROJECT IS FOR NEW MATERIALS AND COMPONENTS TO MATCH EXISTING. ALL MATERIALS SHALL BE APPROVED BY THE FACILITY OWNERS AND OPERATORS

43. MECHANICAL CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STRUCTURAL SUPPORTS, ANGLE IRON, PLATES, ROD, ETC. AS NECESSARY FOR PROPER INSTALLATION OF DUCTWORK, PIPING, EQUIPMENT, AND ACCESSORIES.

44. CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING SUPPORTS, STRUT RACKS, TRAPEZE STEEL, PIPE SUPPORT COMPONENTS, ETC.

45. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A

- 46. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- 47. COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FLASHING AND COUNTER FLASHING FOR ROOF PENETRATIONS AS REQUIRED.
- 48. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES, RELOCATION OF EXISTING UTILITIES MAY BE NECESSARY TO ACCOMMODATE INSTALLATION OF NEW EQUIPMENT, PIPING OR DUCTWORK.
- 49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE MADE BY ITS FIRM ON NEW OR EXISTING EQUIPMENT INSTALLED OR RELOCATED BY THEM UNDER THIS CONTRACT. THIS SHALL INCLUDE ALL TOUCH-UP PAINTING.
- 50. CARE SHALL BE TAKEN DURING THE INSTALLATION TO NOT DAMAGE OR INTERRUPT BUILDING SYSTEMS AND SERVICES THAT ARE ALREADY INSTALLED. DAMAGE TO SUCH SYSTEMS OR EQUIPMENT CAUSED BY THIS CONTRACTORDURING INSTALLATION SHALL BE REPAIRED AND/OR REPLACED AT THIS CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE BUILDING OWNER.
- 51. CONTRACTOR SHALL FIELD VERIFY ALL CLEARANCES AND DIMENSIONS.
- 52. PROVIDE ACCESS PANELS AS REQUIRED TO ALLOW FOR CLEANING OF COILS AND SERVICING OF DAMPERS, HEATERS, VALVES, AND MECHANICAL EQUIPMENT LOCATED OR BEHIND WALLS OR INACCESSIBLE CEILINGS.
- 53. THE MECHANICAL CONTRACTOR SHALL FURNISH TO THE GENERAL CONTRACTOR ALL INFORMATION REQUIRED FOR SETTING OF WALL, ROOF, AND PARTITION OPENINGS FOR HVAC WORK. THIS INFORMATION SHALL BE FURNISHED IN A TIMELY MANNER SUCH THAT CONSTRUCTION SCHEDULE IS NOT JEOPARDIZED.
- 54. INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT, FULL THICKNESS OF SLAB. MAINTAIN FIRE RATING. ALL EXISTING CONCRETE FLOORS AND CHASES ARE 2-HR FIRE RATED.
- 55. INFILL AND PATCH ALL OPENINGS IN WALLS WHERE CONDUITS, PIPES, DUCTS ETC. ARE OR HAVE BEEN REMOVED WITH UL LISTED FIRE ASSEMBLY APPROVED BY THE ARCHITECT. MAINTAIN 2-HR FIRE RATING WHERE APPLICABLE.
- 56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND CORING NEEDS FOR PASSAGE OF DUCTWORK AND PIPING THROUGH SOLID CONCRETE WALLS, FLOORS AND ROOFS. COORDINATE WITH BUILDING OWNER PRIOR TO CUTTING, CORING OR GRINDING. 57. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE
- LATEST EDITION OF SMACNA STANDARDS.
- 58. INSTALL SMOKE DETECTORS IN DUCT SYSTEMS IN ACCORDANCE WITH NFPA. 59. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE
- CLASS OF 2" W.G. UNLESS NOTED OTHERWISE. 60. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE
- ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. 61. WHEN SECTION OF DUCTWORK IS NOT LABELED FOR SIZE, THE LARGER SIZE INDICATED ON THE CONNECTED DUCT SHALL PREVAIL. SIZE OF DUCT RUN-OUTS TO DIFFUSER SHALL EQUAL DIFFUSER NECK SIZE.
- 62. SUPPLY AND RETURN DUCT MAINS FROM AIR HANDLING EQUIPMENTSHALL BE INTERNALLY LINED AS PER SPECIFICATIONS AND SCHEDULES A MINIMUM OF 15'-0 FROM THE UNIT UNLESS OTHERWISE NOTED. ALL DUCTWORK DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS.
- 63. PROVIDE DUCTWORK WITH OFFSETS AND TRANSITIONS AS REQUIRED TO FIT UNDER STRUCTURAL ELEMENTS OR OTHER OBSTRUCTIONS. FLAT OVAL OR ROUND SIZES MAY BE USED INTERCHANGEABLY BY THE CONTRACTOR. MAINTAIN DUCT CROSS SECTIONAL AREA. CHANGES SHALL BE ONLY IN ACCORDANCE WITH APPROVED SHOP DRAWINGS OR WRITTEN PERMISSION OF THE PROJECT ENGINEER.
- 64. PROVIDE A MINIMUM OF ONE 90 DEGREE ELBOW IN DUCTWORK UPSTREAM OF EACH REGISTER, GRILLE AND DIFFUSER.
- 65. VOLUME DAMPERS SHALL BE INSTALLED AT BRANCHES, SPLITS, ANDTAKE-OFFS IN ALL LOW PRESSURE SUPPLY, RETURN, AND EXHAUST DUCTWORK.
- 66. FIRE DAMPERS AND ACCESS PANELS SHALL BE INSTALLED AT ALL 2-HOUR RATED PARTITIONS AND FLOOR PENETRATIONS. IN ADDITION COMBINATION FIRE/SMOKE DAMPERS AND ACCESS PANELS SHALL BE INSTALLED AT PENETRATIONS OF ALL RATED SHAFT ENCLOSURES CONNECTING THREE STORIES OR MORE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTION LOCATIONS
- 67. TRANSFER DUCTS IN RATED PARTITIONS SHALL BE INSTALLED WITH FIRE DAMPERS.

### MECHANICAL DEMOLITION NOTES:

- . REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXTENT OF THE DEMOLITION SCOPE OF WORK AND AREA. THE DEMOLITION PLANS INDICATE THE GENERAL INTENT AND ARE NOT INTENDED TO SHALL ALL ITEMS TO BE REMOVED OR RETAINED.
- 2. REFER TO THE MECHANICAL DRAWINGS FOR THE FULL EXTENT OF THE SCOPE OF DEMOLITION. DISCONNECT AND MAKE SAFE ALL MECHANICAL EQUIPMENT IDENTIFIED FOR REMOVAL ON THE MECHANICAL DEMOLITION PLANS. THE MECHANICAL SCOPE MAY EXTEND BEYOND THE AREA DEFINED BY THESE WORK SCOPE LIMITS TO FULLY COMPLY WITH THE VARIOUS REQUIREMENTS DEFINED BY THESE NOTES.
- 3. PROVIDE ALL PERMITS AND COMPLY WITH ALL OASHA SAFETY REGULATIONS. TAKE DUE DILIGENCE IN THE PROTECTION OF ALL WORK PERSONNEL AND THE GENERAL POPULATION IN AND AROUND THE WORK SITE. PROVIDE ISOLATION BARRIERS BETWEEN ACTIVE WORK AREAS AND DEMOLITION ZONES. KEEP THE WORK SITE CLEAN, SAFE, AND SECURE THROUGHOUT ALL PHASES OF THE WORK ORDER.
- 4. THE HVAC DEMOLITION PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE HVAC, ATC, & TAB CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THEIR BIDS TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND THE EXTENT OF WORK. EQUIPMENT AND CONTROLS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE HVAC, ATC, & TAB CONTRACTORS SHALL IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR AND THE OWNERS REPRESENTATIVE OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.
- 5. TRACE AND LABEL ALL EXISTING SYSTEMS WITHIN THE DEMOLITION AREA AND BEYOND PRIOR TO DISCONNECTION AND REMOVAL TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION AREA IS AFFECTED. REVIEW IN DETAIL WITH THE GENERAL CONTRACTOR AND OWNER WHAT IS TO BE REMOVED AND REMAIN PRIOR TO WORK COMMENCING. THERE SHALL BE NO INTERRUPTION OF SERVICES OUTSIDE THE DEMOLITION AREA WITHOUT APPROVAL FROM THE OWNERS REPRESENTATIVE.
- 6. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY UNANTICIPATED HIDDEN CONDITIONS ENCOUNTERED DURING THE DEMOLITION. CONTRACTOR SHALL PROVIDE PHASING AND COORDINATION PLANS PRIOR TO THE COMMENCEMENT OF WORK.
- 7. ALL ITEMS REMOVED SHALL BE OFFERED TO THE OWNER FOR SALVAGE. IF THE OWNER DOES NOT TAKE POSSESSION, DISPOSE OF ITEMS IN A SAFE AND LEGAL MANNER. ALL ITEMS CLASSIFIED AS HAZARDOUS SHALL BE DISPOSED AS HAZARDOUS WASTES AND A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PROVIDED TO THE OWNER.
- 8. NOTIFY UTILITY COMPANIES IN ACCORDANCE WITH THEIR REQUIREMENTS PRIOR TO DEMOLITION VERIEV THAT THE UTILITIES HAVE BEEN DISCONNECTED, VALVED, CAPPED AND MADE SAFE PRIOR TO DEMOLITION.
- 9. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND THE BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST.
- 10. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS AT CONCEALED SPACES. SUCH AS PIPE INTERIORS OR SHAFTS. VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME CUTTING OPERATIONS. MAINTAIN FIRE WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME CUTTING OPERATIONS. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
- 11. DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT AND DISPOSE OF CHEMICALS, LIQUIDS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING.

- TO SPECIFICATIONS. 78. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS AND ROOF AND SEAL WEATHER/WATER TIGHT.
- WITHOUT CEILINGS.
- SFRVICE

- OTHERWISE INDICATED.
- 89. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURER'S LITERATURE.

### 68. IN ADDITION TO THOSE SHOWN ON THE DRAWINGS, PROVIDE VOLUME DAMPERS DOWN STREAM OF VAV BOXES, AT EACH BRANCH FROM MAIN DUCTWORK AND DUCT RUN OUTS. PROVIDE OPPOSED BLADE DAMPERS AT EACH NECK TO AN INDIVIDUAL REGISTER OR DIFFUSER IN SUPPLY, RETURN AND EXHAUST DUCTS IRRESPECTIVE OF WHETHER OR NOT A DAMPER IS INDICATED ON THE PLANS. PROVIDE CABLE OPERATED REMOTE CONTROLLED VOLUME DAMPERS IN BRANCH DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATED CABLE TERMINATION IN ACCESSIBLE LOCATION ABOVE ACCESSIBLE CEILING. PROVIDE BLOCKING AS REQUIRED.

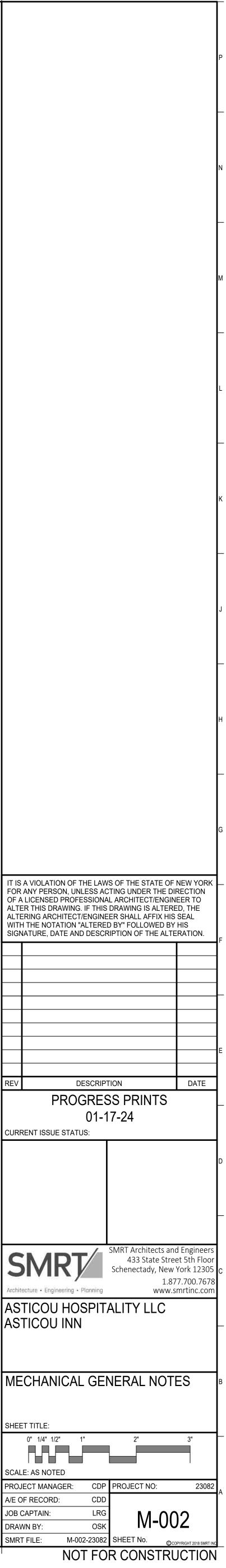
- 39. EQUIPMENT ARRANGEMENT. DUCTWORK SIZES. PENETRATIONS AND DETAILS ARE BASED ON EQUIPMENT SCHEDULED. CONTRACTOR SHALL ADJUST SIZES AND ROUTING AS REQUIRED TO ACCOMMODATE ACTUAL EQUIPMENT INSTALLED.
- 70. ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
- 71. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN. 72. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS & GUIDES AS NECESSARY
- TO PREVENT UNDUE STRAIN ON PIPING. 73. MINIMUM SIZE OF ALL HVAC PIPING SHALL BE <sup>3</sup>/<sub>4</sub> UNLESS OTHERWISE NOTED.
- 74. ISOLATION VALVES SHALL BE INSTALLED IN SUPPLY AND RETURN PIPING ON EACH FLOOR, AT EACH MAIN BRANCH, AND AT EACH BRANCH OR RUN-OUT SERVING MORE THAN ONE PIECE OF EQUIPMENT.
- 75. SHUT-OFF VALVES SHALL BE INSTALLED IN THE SUPPLY AND RETURN PIPING TO ALL EQUIPMENT TO ALLOW FOR SERVICING, UNIONS OR FLANGES SHALL BE ARRANGED SUCH THAT EQUIPMENT CAN BE SERVICED WITHOUT CUTTING, AND WITH MINIMAL DISRUPTION OF PIPING SERVING THE EQUIPMENT.
- 76. ALL DUCTWORK, PIPING AND EQUIPMENT SHALL BE LOCATED ABOVECEILINGS OR WITHIN PARTITIONS OR CHASES UNLESS OTHERWISE NOTED. 77. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATE WALLS. REFER
- 79. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS
- 80. REFER TO PLUMBING DRAWINGS FOR GAS AND CONDENSATE DRAIN PIPING. 81. MAINTAIN ALL MANUFACTURER REQUIRED CLEARANCES FOR ACCESS AND
- 82. PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF FLOOR MOUNTED MECHANICAL EQUIPMENT. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
- 83. EXISTING FIBROUS DUCT LINERS WHICH ARE CUT DURING RENOVATION SHALL BE RE-SEALED SO THAT NO FIBROUS LINER MEDIA IS EXPOSED TO THE AIRSTREAM.
- 84. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, RECOMMENDATIONS AND GOOD PRACTICE NORMAL TO THE TRADE. ALL EQUIPMENT SHALL BE INSTALLED AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- 85. INSTALLATION OF NEW EQUIPMENT SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURER'S LITERATURE.
- 86. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0' MAXIMUM ABOVE CEILING
- 87. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0 FROM EDGE TO ROOF. 88. THE AUTOMATIC TEMPERATURE CONTROL (ATC) CONTRACTOR SHALL COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECTURAL FURNITURE PLANS/EQUIPMENT LAYOUT. THERMOSTATS SHALL BE INSTALLED 54' ABOVE FINISHED FLOOR UNLESS
- 90. OPERATIONS AND MAINTENANCE MANUALS: SUBMIT ALL TESTING DATA AND COPIES OF APPROVED PRODUCT DATA, INCLUDING MAINTENANCE INFORMATION IN A TABBED.NEATLY ORGANIZED THREE RING BINDER. INCLUDE VALVE IDENTIFICATION CHARTS PROVIDE 3 COPIES TO THE OWNER.
  - 12. PROPERLY LABEL ALL UNLABELED PIPES THAT REMAIN WITH COLOR PIPE MARKERS
  - 13. ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE WIRING FOR CONTROLS AND ASSOCIATED INTERLOCKS SHALL BE INCLUDED IN THIS CONTRACT.
  - 14. ALL EQUIPMENT LOCATIONS AND PIPE AND DUCTWORK SIZES INDICATED ARE APPROXIMATE, VERIFY EXACT LOCATIONS AND SIZES IN THE FIELD.
  - 15. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL SYSTEMS OR BUILDING COMPONENTS DANGED BY THEM AS A RESULT OF CONSTRUCTION DURING THE EXECUTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE DESTRUCTION OR DISPOSAL OF ITEMS INTENDED TO REMAIN OR BE SALVAGED.
  - 16. THE MECHANICAL CONTRACTOR SHALL SYSTEM TRACE AND LABEL ALL EXISTING BRANCH SYSTEMS AND MAINS WITHIN OR ASSOCIATED WITH THE DEMOLITION SCOPE, PRIOR TO DEMOLITION AND DISCONNECTION. ALL SYSTEMS IDENTIFIED FOR REMOVAL SHALL BE TRACED AND FIELD LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.
  - 17. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY OTHER TRADE'S WORK, THE MECHANICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL MECHANICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
  - 18. THE MECHANICAL CONTRACTOR SHALL IDENTIFY ALL BRANCH SYSTEM COMPONENTS WHICH ARE TO REMAIN WITHIN THE AREA OF DEMOLITION SCOPE. THERE SHALL BE NO INTERRUPTION OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE. EXISTING EQUIPMENT TO REMAIN SHALL BE LEFT IN A CODE COMPLIANT CONDITION.
  - 19. THE MECHANICAL CONTRACTOR SHALL TAKE INVENTORY OF MECHANICAL ITEMS THAT ARE REMOVED AND PROVIDE A LIST TO THE OWNER'S REPRESENTATIVE FOR HIS SELECTION OF ITEMS TO BE RETAINED. ALL ITEMS REJECTED BY THE REPRESENTATIVE SHALL BECOME THE PROPERTY OF THE MECHANICAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY
  - 20. THE MECHANICAL CONTRACTOR SHALL TEMPORARILY SUPPORT ALL ITEMS TO 32. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD REMAIN THAT ARE AFFECTED BY THE DEMOLITION OF BUILDING STRUCTURAL COMPONENTS (WALLS, CEILINGS, PARTITIONS, ETC), CONTRACTOR SHALL TEMPORARILY SUPPORT ITEMS AND SHALL PROVIDE PERMANENT SUPPORTS WHEN FINALIZED STRUCTURES ARE IN PLACE.
  - 21. ALL EXISTING MECHANICAL EQUIPMENT THAT IS TO BE RELOCATED SHALL BE STORED IN A SAFE MANNER UNTIL SUCH TIME AS TO BE REINSTALLED. ANY DAMAGE INCURRED TO EQUIPMENT SHALL BE RECTIFIED BY THE MECHANICAL CONTRACTOR.
  - 22. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF BY THE MECHANICAL CONTRACTOR UNLESS IDENTIFIED FOR REUSE. THE OWNER'S REPRESENTATIVE SHALL INSPECT ALL RETAINED ITEMS. PRIOR TO PLACEMENT IN THE IDENTIFIED STORAGE LOCATION BY THE MECHANICAL CONTRACTOR.
  - 23. MECHANICAL CONTRACTOR WORK SCOPE SHALL INCLUDE AND NOT BE LIMITED TO THE FOLLOWING ADDITIONAL ITEMS AS PER ALL LANDLORD STANDARDS AND PROCEDURES AND WITH PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE. a. AFTER INSTALLATION OF NEW WORK, PROVIDE TESTING OF ALL SYSTEMS IN ACCORDANCE TO THE SPECIFICATIONS.
  - b. CUTTING, CAPPING, & REMOVAL OF EXISTING DUCTWORK AND INSULATION SYSTEMS.
  - c. PROTECT ALL EXISTING EQUIPMENT FROM DAMAGE IN AND AROUND EACH INDIVIDUAL WORK SITE.

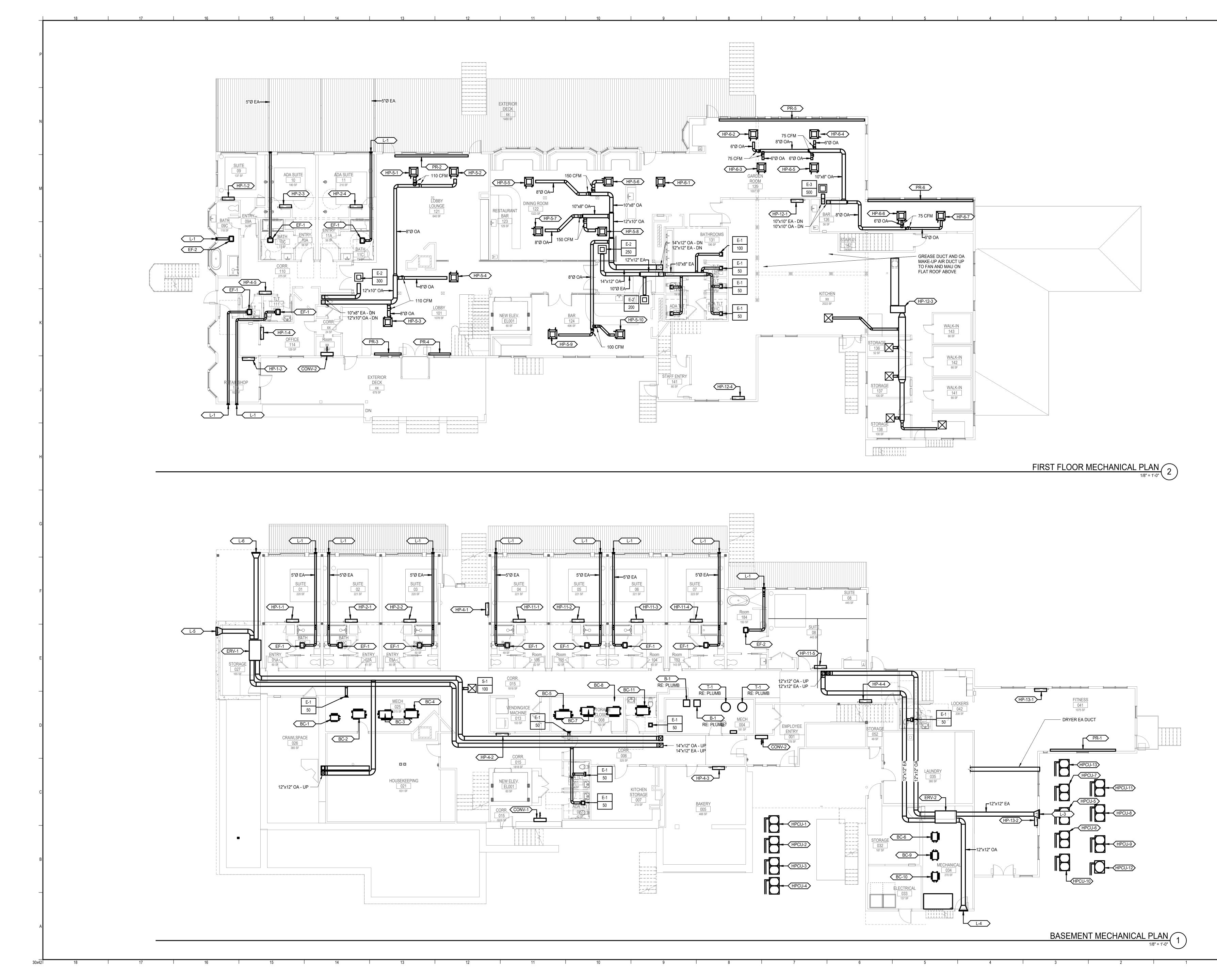
- 91. DUCTWORK AND PIPE IDENTIFICATION; LABELING SHALL APPEAR AT INTERVALS OF NOT MORE THAN 20 FEET AND AT LEAST ONCE IN EACH ROOM AND EACH STORY TRAVERSED BY THE PIPING SYSTEM. ALL PIPING SHALL BE CLEARLY IDENTIFIED SPECIFICALLY FOR TYPE OF SERVICE WITH COILED PLASTIC PIPE MARKERS AND FLOW DIRECTION ARROWS. LABELING COLOR AND SIZE SHALL BE PER OSHA SPECIFICATIONS.
- 92. VALVE IDENTIFICATION; PROVIDE A CIRCULAR BRASS TAG AND CHAIN ON EACH VALVE.TAG TO INCLUDE A DISCRETE NUMBER AND SHALL BE COORDINATED WITH ANY CURRENT FACILITY NUMBERING SCHEME OR STANDARD.
- 93. IF CONTRACT INCLUDES RENOVATION WORK WHICH TAKES PLACE IN AN OCCUPIED SPACE. INSTALLATIONS SHALL NOT AFFECT ONGOING OPERATIONS. COORDINATE HOURS AVAILABLE TO PERFORM WORK WITH THE OWNER AND GENERAL CONTRACTOR. 94. PRIOR TO CONNECTING TO ANY EXISTING DUCTWORK OR PIPING, CONFIRM TIE-IN
- LOCATIONS WITH THE FACILITY OWNERS AND OPERATORS.
- 95. INSTALL ALL NEW AND RELOCATED EXISTING COMPONENTS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS.
- 96. SEAL INTERIOR DUCTWORK AND PIPE PENETRATIONS WITH FIRE SEALANT. SEAL EXTERIOR WALL DUCT AND PIPE PENETRATIONS WATER TIGHT.
- 97. CUT AND PATCH SURFACES, RESTORING ORIGINAL FINISHES. 98. ASTM E84 COMPLIANCE: INSULATION AND OTHER MATERIALS SHALL COMPLY WITH THE

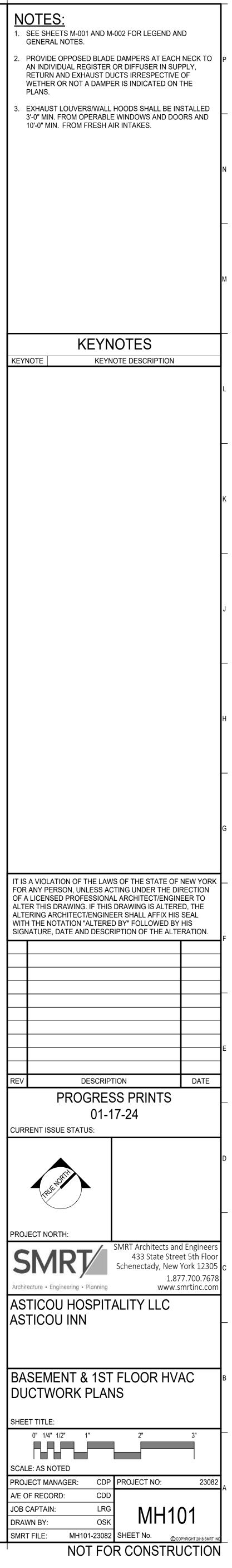
FLAME AND SMOKE SPREAD RATINGS.

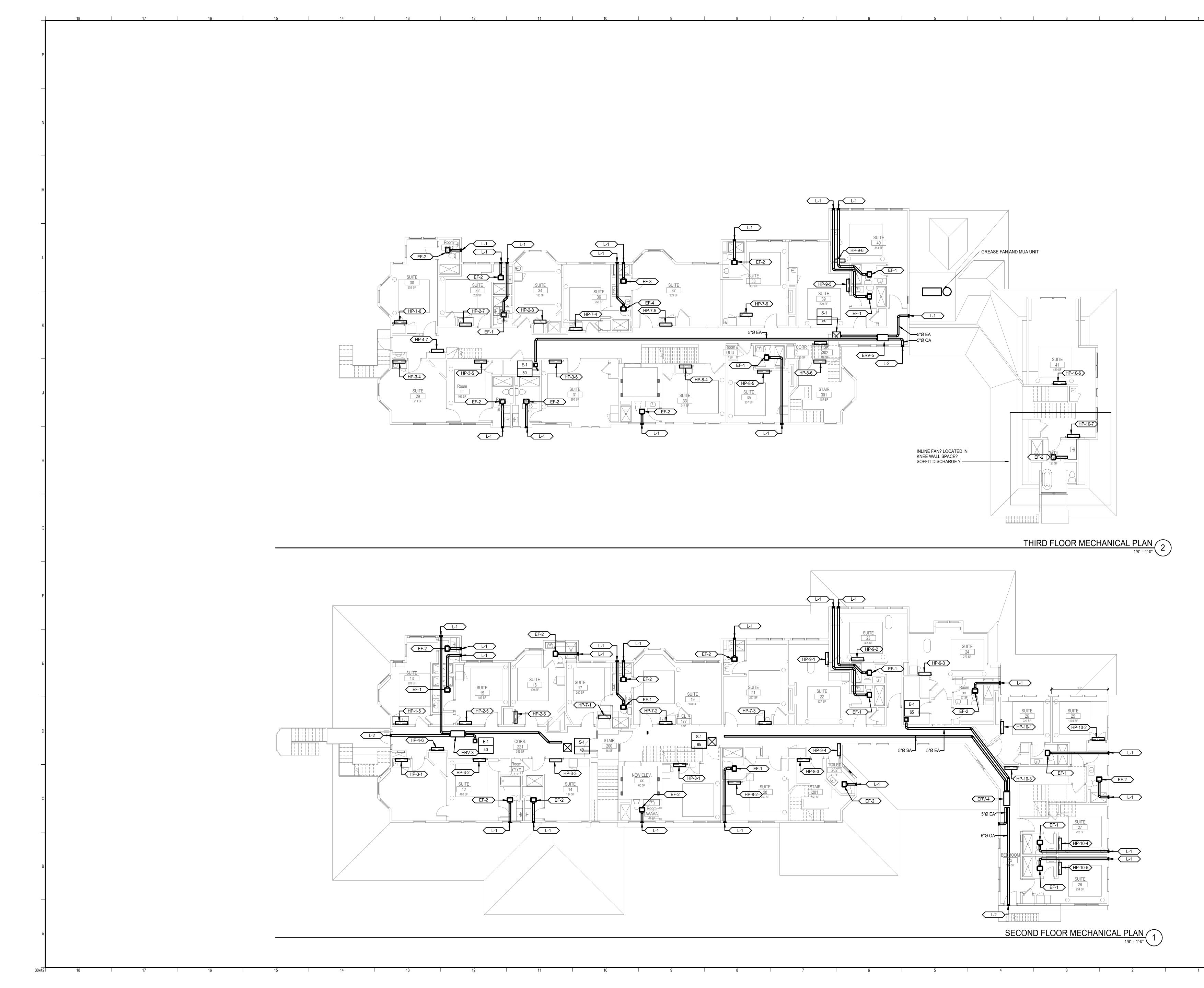
- 99. CONTRACTOR SHALL PROVIDE THE FOLLOWING SERVICES, AS APPLICABLE, ONALL EXISTING HVAC EQUIPMENT INDICATED TO BE REUSED: 1) FILTER CHANGES, 2) BALANCING, 3) LUBRICATION. CONTRACTOR SHALL REPORT ANY EQUIPMENT DEFICIENCIES FOUND TO THE ARCHITECT AND/OR ENGINEER.
- 100.CONTRACTOR SHALL PROVIDE AND SUBMIT DOCUMENTATION FOR TESTING AND BALANCING OF ALL AIR AND WATER SYSTEMS, DUCT AND PIPING PRESSURE AND LEAKAGE TESTS, OPERATING AND MAINTENANCE MANUALS, AND AS-BUILT DRAWINGS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PERFORM ALL PRESSURE AND LEAKAGE TESTS PRIOR TO INSULATING.
- 101.SUBMITTALS, PRE-CONSTRUCTION: SUBMIT CATALOG CUT SHEETS OF PROPOSED EQUIPMENT FOR ENGINEER REVIEW AND APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- 102.SUBMITTALS, DURING CONSTRUCTIONS: SUBMIT COPIES OF PIPE ROUGH-IN PRESSURE TESTS AS COMPLETED.
- 103.SUBMITTALS, POST CONSTRUCTION: SUBMIT COPIES OF FINAL PRESSURE TEST, FLUSHING AND PLUMBING DISINFECTION REPORTS. SUBMIT COPIES OF COMPLETED MANUFACTURER START UP REPORTS FOR EQUIPMENT.
- 104.RECORD DRAWINGS; MAINTAIN A CURRENT SET OF MARKED UP CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES. PROVIDE A COMPLETE SET OF THESE RECORD MARK-UPS, OR AS-BUILT DRAWINGS TO THE ARCHITECT AT THE END OF THE PROJECT. 105.SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

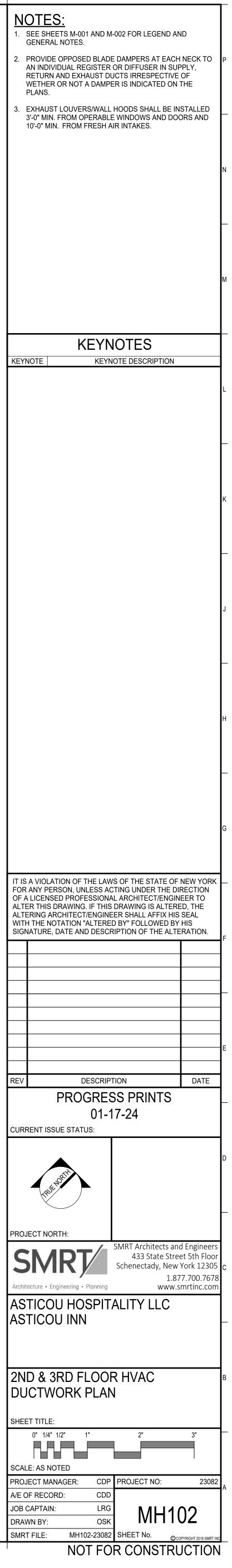
- 24. THE GENERAL CONTRACTOR AND THE MECHANICAL CONTRACTOR WILL PROVIDE ALL NECESSARY EQUIPMENT TO PERFORM THE DEMOLITION AND NEW WORK SCOPE.
- 25. PROVIDE ALL THE NECESSARY EQUIPMENT. MANPOWER. TOOLS. MISCELLANEOUS SUPPORTS, MISCELLANEOUS EQUIPMENT AND SUPPLIES TO PROPERLY EXECUTE THE DEMOLITION AND NEW WORK.
- 27. PROVIDE ALL NECESSARY NEW DAMPERS, DUCT FLANGES & END CAPS, DUCT SUPPORTS & MISCELLANEOUS STEEL REQUIRED TO ISOLATE EXISTING DUCT SYSTEMS TO REMAIN WHEN OTHER SYSTEMS ARE REMOVED AND WHEN DEEMED NECESSARY.
- 28. NOTIFY "THE OWNER'S" PROJECT MANAGER THROUGH THE GENERAL CONTRACTOR ONE WEEK IN ADVANCE OF ANY INTENDED SHUTDOWNS OF EXISTING SYSTEMS OF ANY SORT. NOTIFY "THE OWNER'S" PROJECT MANAGER THROUGH THE GENERAL CONTRACTOR TWO WEEKS IN ADVANCE OF REQUIRED ACCESS TO ADJACENT SPACES WHERE WORK IS TO BE PERFORMED. "THE OWNER'S" PROJECT MANAGER WILL CONFIRM WITH THE "USERS GROUP" THE TIME AND DURATION OF THE REQUIRED SHUT DOWN AND ACCESS REQUIREMENTS AND INFORM THE CONTRACTOR IN WRITING OF THE APPROVAL
- 29. ALL EXISTING MECHANICAL EQUIPMENT WITHIN THE SCOPE OF WORK SHALL BE INSPECTED, TESTED, CLEANED, AND REPAIRED TO GOOD WORKING CONDITION. PROVIDE ALL REQUIRED MOTORS, BELTS, SHEAVES, FLEXIBLE DUCT CONNECTIONS, SUPPORTS, THERMOSTATS, CONTROLS, WIRING, VALVES. PIPE, INSULATION, DRAINAGE AND DUCTS NEEDED TO BRING THE SYSTEM INTO GOOD OPERATING CONDITION. REPLACE ALL DAMAGED OR NON-FUNCTIONING EQUIPMENT WITH NEW LIKE-KIND COMPONENTS.
- 30. ALL EXISTING DUCTWORK TO REMAIN SHALL BE PROTECTED BY CONSTRUCTION FILTERS DURING CONSTRUCTION.
- 31. REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
- 32. INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT, FULL THICKNESS OF SLAB. MAINTAIN FIRE RATING.
- 29. FILL AND PATCH ALL OPENINGS IN WALLS WHERE CONDUIT, PIPES, DUCTS, ETC. ARE OR HAVE BEEN REMOVED WITH UL APPROVED FIRESTOPPING SYSTEM APPROVED BY ARCHITECT.
- VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITH IN THE SCOPE OF WORK AREA AND WITHIN CLOSE PROXIMITY OF THE SCOPE OF WORK AREA.
- 33. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE THE LOCAL AUTHORITY HAVING JURISDICTION.
- 34. WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.

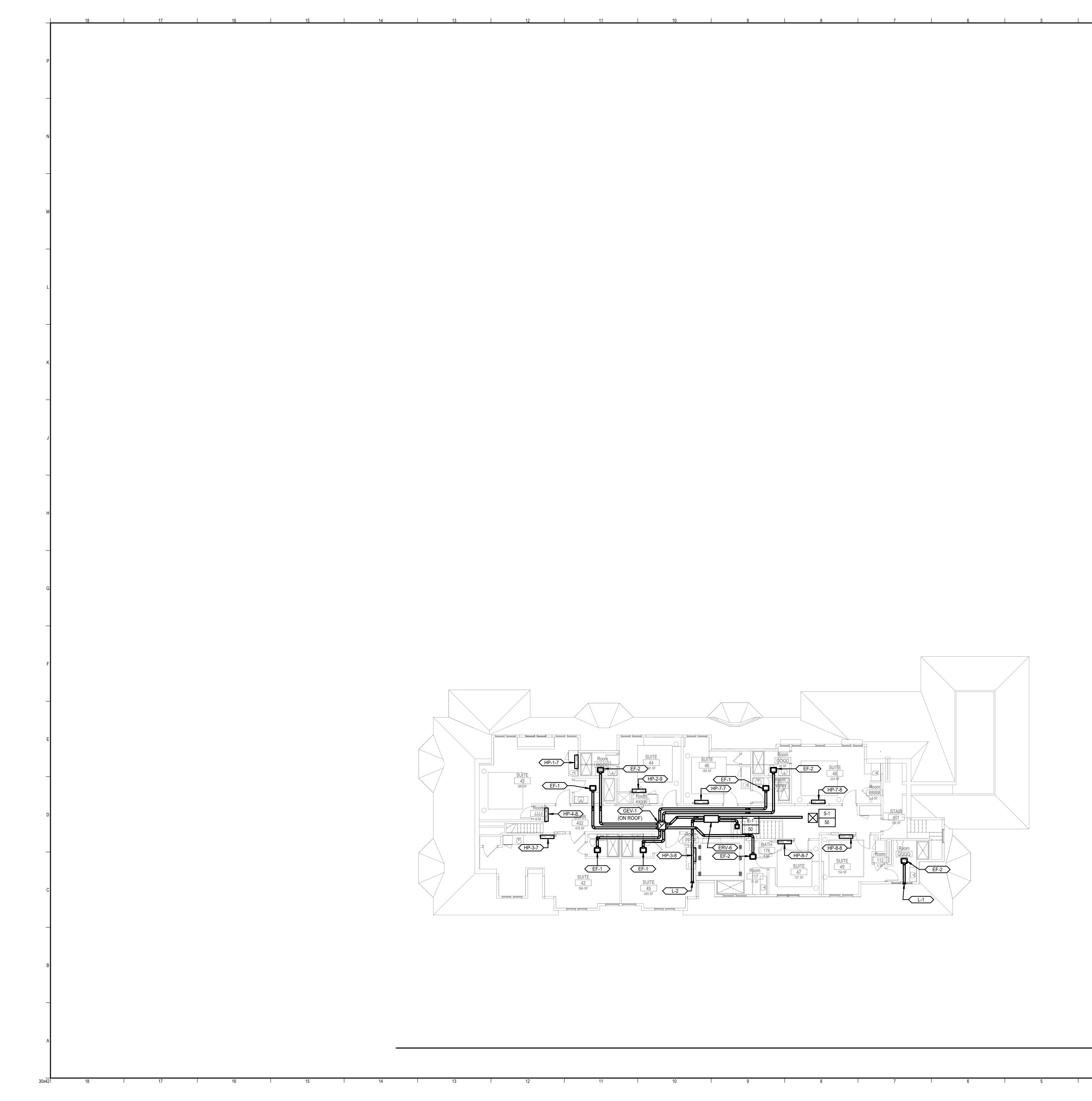


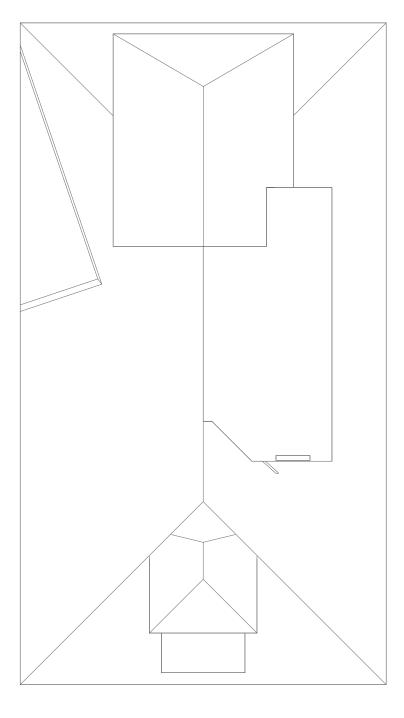








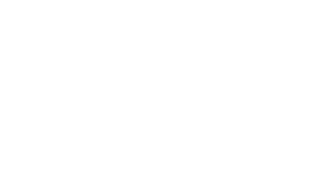






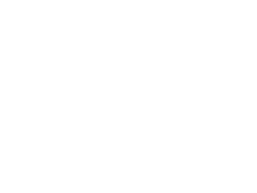






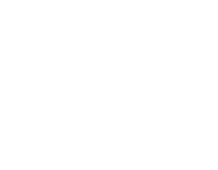












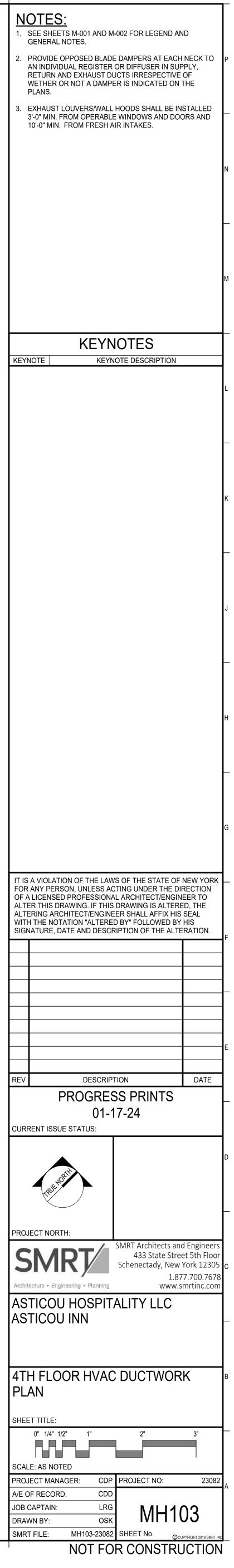




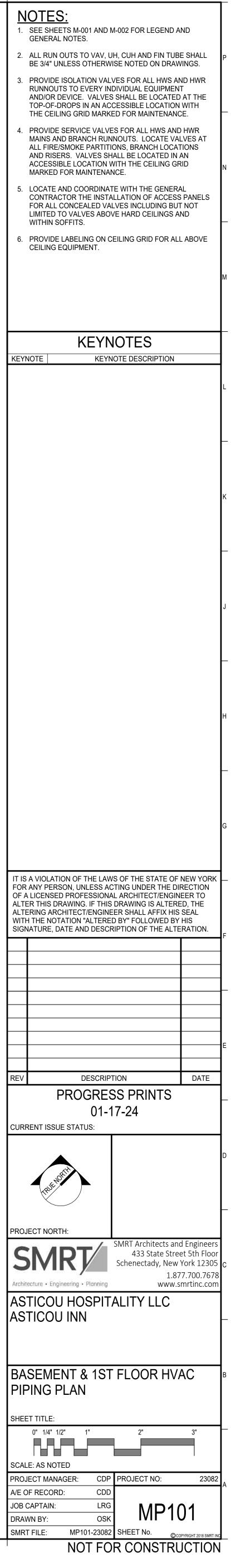


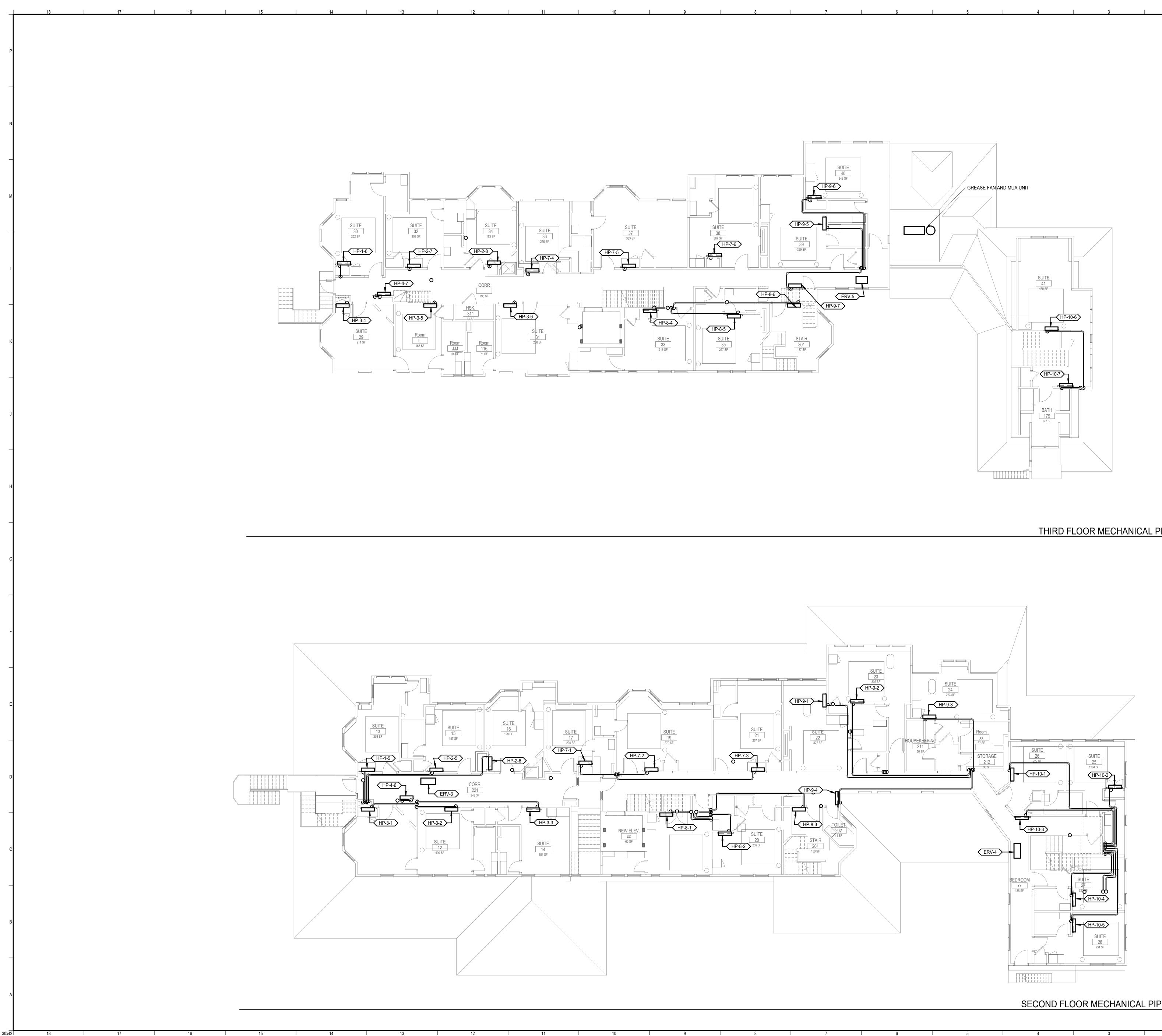








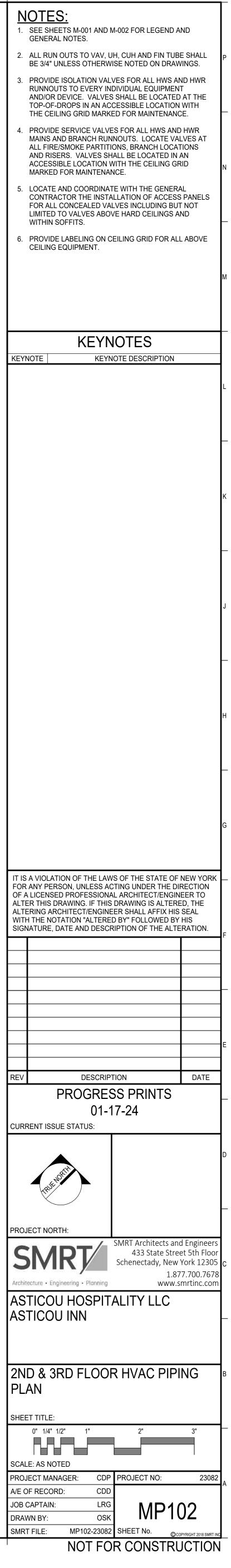


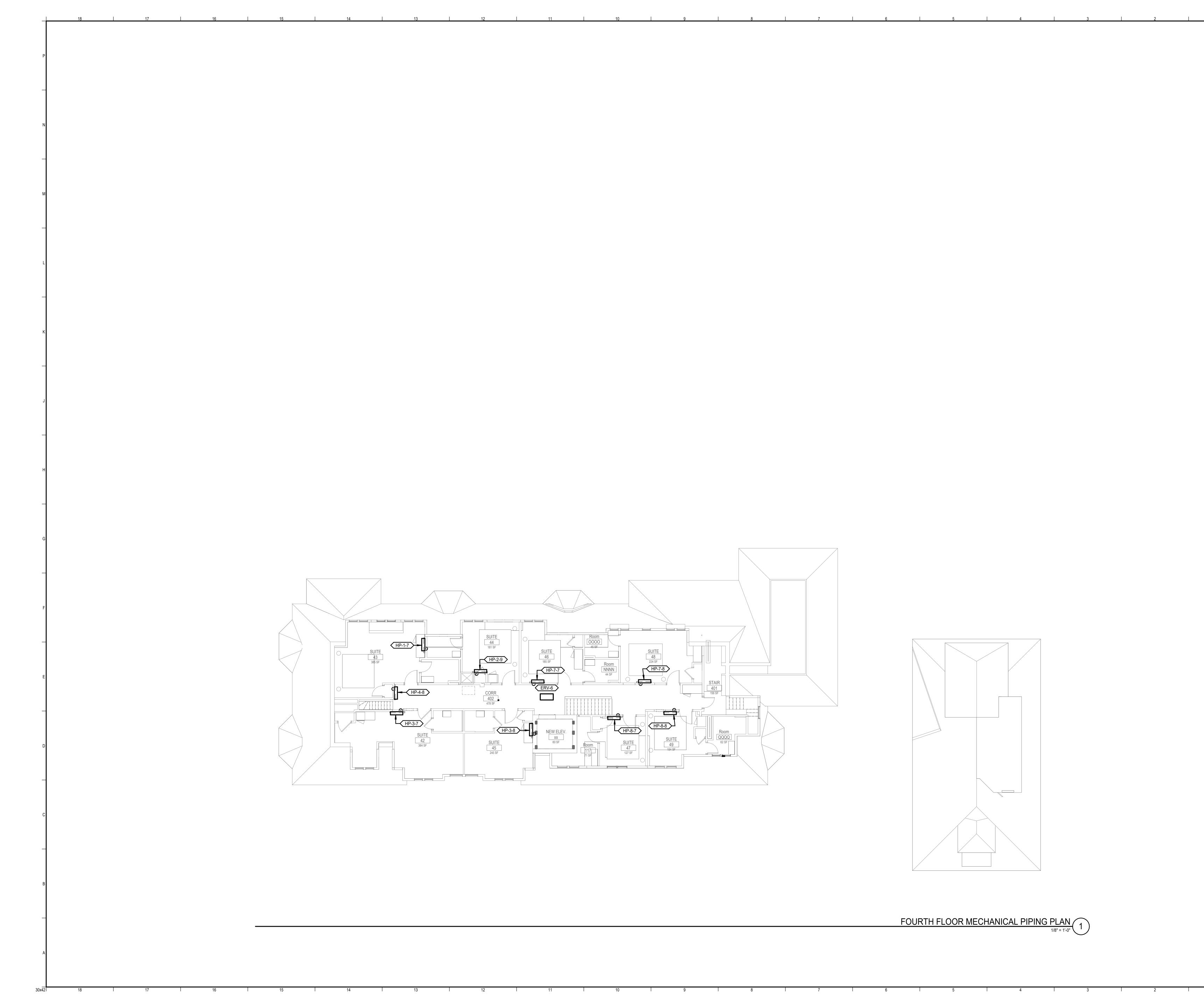


### SECOND FLOOR MECHANICAL PIPING PLAN

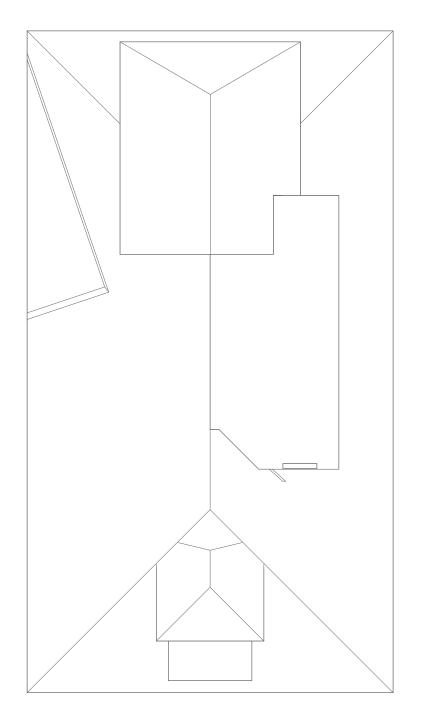
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## THIRD FLOOR MECHANICAL PIPING PLAN



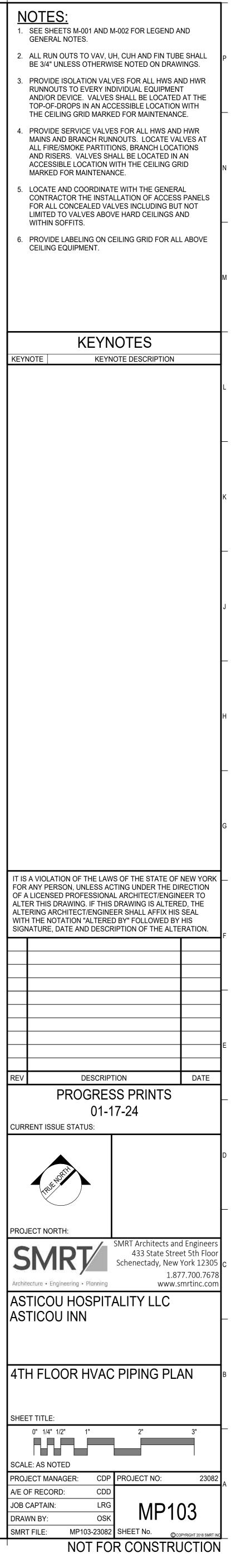


## FOURTH FLOOR MECHANICAL PIPING PLAN

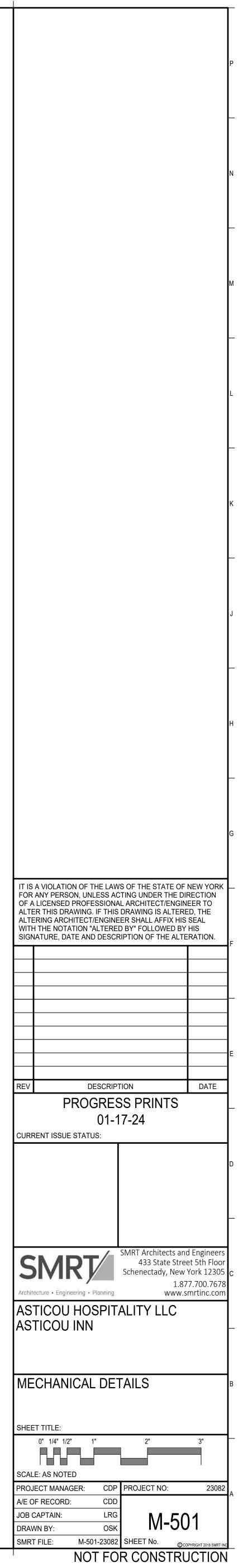


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TAG	MAX CFM	NECK SIZE	TYPE	MOUNT	APD	MAX NC	OBD (Y/N)	MATERIAL	COLOR	TYPICAL UNIT MFG & MODEL NO.	NOTES
S-1	100	6" Ø	PLAQUE DIFFUSER	LAY-IN TYPE 31	0.05	20		STEEL	WHITE	PRICE SPD	1-2
S-2	200	8" Ø	PLAQUE DIFFUSER	LAY-IN TYPE 31	0.07	20		STEEL	WHITE	PRICE SPD	1-2
S-3	325	10" Ø	PLAQUE DIFFUSER	LAY-IN TYPE 31	0.09	20		STEEL	WHITE	PRICE SPD	1-2
S-4	450	12" Ø	PLAQUE DIFFUSER	LAY-IN TYPE 31	0.09	20		STEEL	WHITE	PRICE SPD	1-2
S-5	575	14" Ø	PLAQUE DIFFUSER	LAY-IN TYPE 31	0.13	20		STEEL	WHITE	PRICE SPD	1-2
S-6	700	15" Ø	LOUVERED SUPPLY	LAY-IN TYPE 31	0.13	20		STEEL	WHITE	PRICE SPD	1-2
R-1	195	8"x8"	LOUVERED EXHAUST	LAY-IN TYPE 3P	0.10	22		STEEL	WHITE	PRICE 535	1-2
R-2	450	12"x12"	LOUVERED EXHAUST	LAY-IN TYPE 3P	0.10	25		STEEL	WHITE	PRICE 535	1-2
R-3	650	16"x16"	LOUVERED RETURN	LAY-IN TYPE 3P	0.06	23		STEEL	WHITE	PRICE 535	1-2
R-4	1,000	20"x18"	LOUVERED RETURN	LAY-IN TYPE 3P	0.60	24		STEEL	WHITE	PRICE 535	1-2
E-1	195	8"x8"	LOUVERED EXHAUST	LAY-IN TYPE 3P	0.10	22		STEEL	WHITE	PRICE 535	1-2
E-2	450	12"x12"	LOUVERED EXHAUST	LAY-IN TYPE 3P	0.10	25		STEEL	WHITE	PRICE 535	1-2
E-3	650	16"x16"	LOUVERED EXHAUST	LAY-IN TYPE 3P	0.06	23		STEEL	WHITE	PRICE 535	1-2
E-4	1,000	20"x18"	LOUVERED RETURN	LAY-IN TYPE 3P	0.60	24		STEEL	WHITE	PRICE 535	1-2
TG-1	120	8"x8"	LOUVERED TRANSFER	LAY-IN TYPE 3P	0.04	20		STEEL	WHITE	PRICE 535	1-2
TG-2	275	12"x12"	LOUVERED TRANSFER	LAY-IN TYPE 3P	0.04	20		STEEL	WHITE	PRICE 535	1-2
TG-3	480	16"x16"	LOUVERED TRANSFER	LAY-IN TYPE 3P	0.04	20		STEEL	WHITE	PRICE 535	1-2

1. DUCT RUNOUTS TO ALL AIR TERMINALS SHALL BE EQUAL TO THE NECK SIZE UNLESS OTHERWISE INDICATED.

2. PROVIDE MOUNTING FRAME FOR 24"x24" LAY-IN CEILING GRID.

30x42

		VRF SYST	'EM -	BRANCH	CONT	ROLLER S	CHE	DUL	.E		
					WEIGHT		ELEC	TRIC (O	UTDOOR)		
TAG	NUMBER OF PORTS	NUMBER OF CONNECTED BRANCHES	TYPE	DIMENSIONS	(LBS)	LOCATION	MCA	MOCP	V/PH/HZ	TYPICAL UNIT MFG & MODEL NO.	. NOTE
BC-1	8	7	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-2	12	9	SINGLE	10" H x 36" W x 22" L	110	BSMT STOR ROOM	1.1	20	208/1/60	MITSUBISHI CMB-P1012NU-J1	1
BC-3	8	8	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-4	8	8	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-5	12	10	MAIN	10" H x 36" W x 22" L	110	BSMT STOR ROOM	1.1	20	208/1/60	MITSUBISHI CMB-P1012NU-JA1	1
BC-6	8	7	SINGLE	10" H x 24" W x 16" L	65	BSMT MECH ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-7	8	8	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-8	8	8	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-9	8	7	SINGLE	10" H x 24" W x 16" L	65	BSMT MECH ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-10	8	7	SINGLE	10" H x 24" W x 16" L	65	BSMT MECH ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1
BC-11	8	5	SINGLE	10" H x 24" W x 16" L	65	BSMT STOR ROOM	0.8	20	208/1/60	MITSUBISHI CMB-P108NU-J1	1

							VRF	SYSTEM - OUTDOO	R UNIT SCHEDULE							
TDOOR UNIT TAG BRANCH CONTROLLER TA	AG MODULES REF	RIGERANT TYPE	LOCATION	DESIGN COOLING OUTDOOR AIR DB (F) DE	ESIGN HEATING OUTDOOR AIR DB (F	) NOMINAL COOLING CAPACITY (BUT/H)	NOMINAL HEATING CAPACITY (BTU/H)	CORRECTED COOLING CAPACITY (I	IBH) CORRECTED HEATING CAPACITY (MBH)	MAX PIPE LENGTH FROM BC OR 1ST JOINT (FEET)	REFRIG PIPE BC TO OUTDOOR UNIT (INCH	)	(OUTDOOR)	MINIMUM EFFICENCY (IEER/EER	TOTAL REFRIGERANT CHARGE (L	3S) TYPICAL UNIT MFG & MODEL NO. NO
HPCU-1 BC-1	PURY-EP96	R-410A	OUTDOOR, GRADE	80	30	96,000	108,000	92,000	90,000	130	3/4, 7/8	31 45 4		33.1/ 15.1	47	MITSUBISHI PURY-EP96TNU-A
HPCU-2 BC-2	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8		5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-3 BC-3	PURY-EP96	R-410A	OUTDOOR, GRADE	80	30	96,000	108,000	92,000	90,000	130	3/4, 7/8	31 45 4	5 60 208 3	33.1/ 15.1	50	MITSUBISHI PURY-EP96TNU-A
HPCU-4 BC-4	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-5 BC-5	PURY-EP120	R-410A	OUTDOOR, GRADE	80	30	120,000	144,000	114,000	115,000	130	3/4, 1-1/8	41 60 6		30.1/ 13.8	60	MITSUBISHI PURY-EP120TNU-A
HPCU-6 BC-6	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-7 BC-7	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-8 BC-8	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-9 BC-9	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3		31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-10 BC-10	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-11 BC-11	PURY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	65,000	67,000	130	3/4, 5/8	23 35 3	5 60 208 3	31.2/ 15.4	40	MITSUBISHI PURY-EP72TNU-A
HPCU-12 N/A	PUHY-EP72	R-410A	OUTDOOR, GRADE	80	30	72,000	80,000	71,000	67,000	130	3/8, 7/8	23 35 3		31.2/ 15.4	40	MITSUBISHI PUHY-EP72TNU-A
HPCU-13 N/A	PUMY-P36	R-410A	OUTDOOR, GRADE	80	30	36,000	40,000	36,000	40,000	130	3/8, 5/8	29 30 4	4 60 208 1	/ 15.0	10	MITSUBISHI PUMY-P36NKMU3
<ol> <li>NOMINAL HEATING CAR</li> <li>EFFICIENCY VALUES FOR</li> <li>FOR SYSTEMS WITH MUSS</li> <li>ADDED FIELD CHARGE</li> <li>PROVIDE 18" TALL QUICS</li> </ol>	PACITIES ARE BASED OR EER, IEER, COP A ULTIPLE MODULES, F LISTED IS IN ADDITIC CK-SLING SUPERSTA	O ON INDOOR CO ARE BASED ON A REFRIGERANT F ON TO FACTOR AND.	DIL EAT OF 70°F (DB AHRI 1230 TEST MET PIPE DIMENSIONS IN 7 CHARGE, THIS MU	(DB/WB), OUTDOOR OF 95°F (DB) ), OUTDOOR OF 43°F (WB) THOD FOR NON-DUCTED INDOOR UNITS. IDICATE TOTAL SYSTEM COMBINED PIPING D ST BE UPDATED BASED UPON FINAL AS-BUIL E-200A. PROVIDE BACNET INTERFACE CARD.	LT PIPING LAYOUT.	ING.										

3. PROVIDE OPPOSED BLADE DAMPER WHERE DUCT MOUNTED BALANCING DAMPER IS NOT ACCESSIBLE (I.E. ABOVE GYPSUM CEILING).

VRF SYSTEM - INDOOR UNIT SCHEDULE PART 1														
								COOLING (BTU/H)					ELECT	TRICAL
AG	SERVES	ASSOCIATED OUTDOOR UNIT	MITSUBISHI MODEL #	INDOOR TYPE	NOMINAL COOLING CAPACITY BTU/H	NOMINAL HEATING CAPACITY BUT/		SENSIBLE CAPACITY	CORRECTED HEATING CAPACITY (MBH)	REFRIG PIPE DIM LIQUID/SUCTION (INCH)	CFM (DRY) HI-SPEED	FAN ESP	MCA/MFS	V/PH/HZ
-1-1	SUITE 01	HPCU-1	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1-4
1-2	SUITE 09	HPCU-1	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2	0.2/15	208/1/60 1-4
1-3	RETAIL SHOP 115	HPCU-1	PKFY-P15NLMU	WALL MOUNTED- DUCTLESS	15,000	17,000	12,000	8,500	12,000	1/4" / 1/2"	350	0.2	0.2/15	208/1/60 1
-1-4	OFFICE 114	HPCU-1	PKFY-P06NLMU	WALL MOUNTED- DUCTLESS	6,000	7,000	5,200	3,600	5,000	1/4" / 1/2"	190	0.2	0.2/15	208/1/60 1-
P-1-5	SUITE 13	HPCU-1	PKFY-P15NLMU	WALL MOUNTED- DUCTLESS	15,000	17,000	12,000	8,500	12,000	1/4" / 1/2"	350	0.2	0.2/15	208/1/60 1-
P-1-6	SUITE 30	HPCU-1	PKFY-P15NLMU	WALL MOUNTED- DUCTLESS	15,000	17,000	12,000	8,500	12,000	1/4" / 1/2"	350	0.2	0.2/15	208/1/60 1-
P-1-7	SUITE 43	HPCU-1	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2	0.2/15	208/1/60 1
P-2-1	SUITE 02	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60 1
P-2-2	SUITE 03	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60 1
P-2-3	SUITE 10	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60 1
P-2-4	SUITE 11	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-2-5	SUITE 15	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-2-6	SUITE 16	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-2-7	SUITE 32	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
2-7 2-2-8	SUITE 34	HPCU-2	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
-2-9	SUITE 44	HPCU-2	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
-2-3 P-3-1	SUITE 12	HPCU-3	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
3-1 3-2	SUITE 12	HPCU-3	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4 / 1/2	300	0.2	0.2/15	208/1/60 1
- <u>3-3</u>	SUITE 14	HPCU-3	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-3-4	SUITE 29	HPCU-3	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60 1
3-4 3-5	SUITE 29	HPCU-3	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60 1
-3-5 2-3-6	SUITE 31	HPCU-3	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		13,500	10,500	7,500	10,000	1/4 / 1/2	300	0.2		
-3-7	SUITE 42		PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		20,000			15,000	1/4 / 1/2			0.2/15	208/1/60 1
		HPCU-3					16,000	11,000			440	0.2		
P-3-8	SUITE 45	HPCU-3	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-4-1	CORR 015	HPCU-4	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-4-2	CORR 015	HPCU-4	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-4-3	BAKERY 005	HPCU-4	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS		20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2		208/1/60 1
P-4-4	CORR 015	HPCU-4	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60 1
P-4-5	CORR 110	HPCU-4	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		
P-4-6	CORR 221	HPCU-4	PKFY-P06NLMU	WALL MOUNTED- DUCTLESS		6,700	5,200	3,600	5,000	1/4" / 1/2"	200	0.2	0.2/15	208/1/60 1
P-4-7	3RD FLOOR CORR- EAST		PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-4-8	4TH FLOOR CORR	HPCU-4	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60 1
P-5-1	LOBBY 121	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
P-5-2	LOBBY 121	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1-
P-5-3	LOBBY 101	HPCU-5	PLFY-P18NFMU	CEILING RECESSED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	280	0.2	0.5/15	208/1/60 1
⊃-5-4	LOBBY 101	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
P-5-5	DINING ROOM 122	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
<b>-</b> 5-6	DINING ROOM 122	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
9-5-7	DINING ROOM 122	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
P-5-8	DINING ROOM 122	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
P-5-9	BAR 124	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1
-5-10	BAR 124	HPCU-5	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.3/15	208/1/60 1

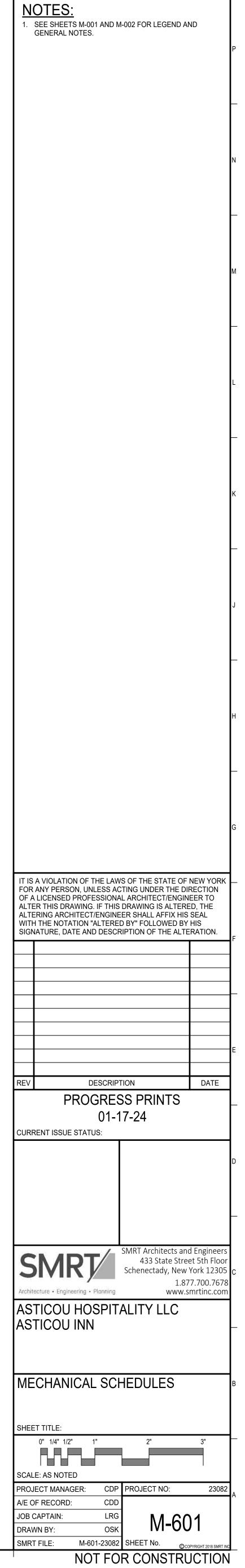
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)

3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES 4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.

5. PROVIDE THERMOSTAT/REMOTE CONTROLLER BRC1E73.

6. PROVIDE TEMPERATURE SENSOR KRCS01. 7. PROVIDE CONDENSATE OVERFLOW SWITCH (EITHER INTEGRAL OR AS AN ACCESSORY) FOR OVERFLOW PROTECTION.

										T
TAG	LOCATION	TYPE	CFM	ESP		ELECTRICAL DATA	WEIGHT	MAX	TYPICAL UNIT	NOT
TAG	LOCATION	ITE		(IN WC)	VOLTS/Ø	POWER CONSUMPTION (WATTS)	(LBS)	SONES	MFG & MODEL NO.	
EF-1	INTERIOR BATHROOMS	EXHAUST FAN	50	0.3	120/1	18	12	1.5	PANASONIC FV-0511VFC1	1
EF-2	EXTERIOR BATHROOMS	EXHAUST FAN WITH HEATER	50	0.3	120/1	26	16	1.5	PANASONIC FV-0511VH1 WHISPER WARM	2
NOTES	 :									



17	16			15				14			13		1
						I	BOILEI	r sc	HEDU	ILE - I	- HOT WATER		
					PD			EWT	ELEC. DATA				
TAG	LOCATION	FUEL	UEL INPUT MBH	OUTPUT MBH	(FT HD)	GPM	LWT DEG F		FLA AMPS			WEIGHT (LBS)	
B-1	MECHANICAL ROOM	LP	199	184	5	20	140	120	12.0	120	3"	175	
B-2	MECHANICAL ROOM	LP	199	184	5	20	140	120	12.0	120	3"	175	
NOTES	1. PROVIDE CONDENS 2. VENT MATERIAL SH				,			,				IUFACTURER.	

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						HO	r wa	
					ELEMENT PHY	SICAL DA	TA	
	LOCATION	NO. TIERS	TIER SPACING (IN)	TUBE SIZE (IN)	TUBE MATERIAL	FIN HEIGHT (IN)	FIN WIDTH (IN)	FIN MATERIAL
CONV-1	CORR. 015 ENTRY							
CONV-2	ROOM XX							
NOTES:								
1.								
2.								
3.								
4.								
5.								

		PA	NE										
	RADIATOR PHYSICAL												
TAG	LENGTH	NO. TIERS	HEI (I										
PR-1		2	6										
PR-2	18'-0"	2	6										
PR-3	6'-0"	2	6										
PR-4	5'-0"	2	6										
PR-5	30'-0"	2	6										
PR-6	24'-0"	2	6										
NOTES:													
1.													

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	12		11		10		9		8			7			
TER							G	RAVITY V	<b>ENTILATOR</b>	<b>SCHEI</b>	DULE				
WEIGHT (LBS)	EMERGENCY GENERATOR	TYPICAL UNIT MFG & M	MODEL NO. NOTES:	TAG	LOCATION	SERVICE	CFM		HOOD DIMENSIONS	THROAT DI	MENSIONS		WEIGHT	TYPICAL UNIT	

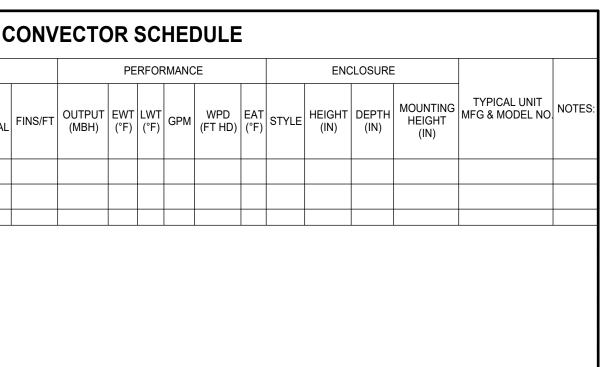
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LOCHINVAR WHB199L

LOCHINVAR WHB199L

			G	RAVITY V	'EN	<b>TILA</b>	TOR	SC	HED	ULE			
					НОО	D DIMEN	ISIONS	THR	DAT DIM	ENSIONS			
TAG	LOCATION	ION SERVICE		TYPE (INTAKE/RELIEF)	L (IN.)	W (IN.)	H (IN.)	L (IN.)	W (IN.)	THROAT AREA (SQ. FT.)	APD (IN. W.G.)	WEIGHT (LBS)	MF
GEV-1	ROOF	4TH LEVEL EXHAUST FANS	400	EXHAUST									
NOTES:	1. PROVIDI	E WITH WIRE MESH BIRD SCI	REEN.										



										KUI KECUVEK	I VENTILATOR	SCHEDULE										
					FAN SI	ECTIONS				WINTER C	SUMMER	SUMMER CONDITIONS				ELECTRICAL DATA						
			SUPPLY FAN			EXHAUST FAN		SUPPLY AIR EXHAUST AIR		SUPPLY AIR EXHAUST A		UST AIR										
TAG		SUPPLY AIRFLOW (CFM)		ESP (IN WC)	MOTOR HP	EXHAUST AIRFLOW (CFM)	FAN TYPE	ESP (IN WC)	MOTOR HP	EAT LAT (DB°F / WB°F) (DB°F / WB°F)	EAT LAT (DB°F / WB°F) (DB°F / WB°F)	EAT LAT (DB°F / WB°F) (DB°F / WB°F)	EAT (DB°F / WB°F)	LAT (DB°F / WB°F)	VOLTS/Ø	MCA	MOCP		OPERATING WEIGHT (LBS)	(MERV) MFG 8	TYPICAL UNIT MFG & MODEL NO.	NOTES:
ERV-1	BASEMENT MECH ROOM	1,400	DIRECT DRIVE- EC	0.8	1	1,400	DIRECT DRIVE- EC	0.8	1						120/1	14.6	20	N	500	MERV-13	RENEWAIRE HE1.5IN	J 1
ERV-2	BASEMENT MECH ROOM	500	DIRECT DRIVE- EC	0.8	360 W	500	DIRECT DRIVE- EC	0.8	360 W						120/1	12.2	15	N	280	MERV-13	RENEWAIRE 07IN	2
ERV-3	2ND FLR CORRIDOR	50	DIRECT DRIVE- EC	0.5	135 W	50	DIRECT DRIVE- EC	0.5	135 W						120/1	10	10	Ν	35	MERV-8	RENEWAIRE SL75H	3
ERV-4	2ND FLR CORRIDOR	100	DIRECT DRIVE- EC	0.5	135 W	100	DIRECT DRIVE- EC	0.5	135 W						120/1	10	10	Ν	35	MERV-8	RENEWAIRE SL75H	3
ERV-5	3RD FLR CORRIDOR	50	DIRECT DRIVE- EC	0.5	135 W	50	DIRECT DRIVE- EC	0.5	135 W						120/1	10	10	N	35	MERV-8	RENEWAIRE SL75H	3
ERV-6	4TH FLR CORRIDOR	50	DIRECT DRIVE- EC	0.5	135 W	50	DIRECT DRIVE- EC	0.5	135 W						120/1	10	10	N	35	MERV-8	RENEWAIRE SL75H	3
NOTES:		1	1	1	1	1	1			1	1	1	1	1	1	_1	1	1	1	1 1		1

1. REFER TO SPECIFICATIONS FOR FULL LIST: EC MOTORS, MOTORIZED DAMPER, CARBON DIOXIDE SENSOR/CONTROL, ELECTRIC DUCT HEATER. 2. REFER TO SPECIFICATIONS FOR FULL LIST: EC MOTORS, MOTORIZED DAMPER, CARBON DIOXIDE SENSOR/CONTROL, ELECTRIC DUCT HEATER. 3. REFER TO SPECIFICATIONS FOR FULL LIST: EC MOTORS, MOTORIZED DAMPER, TIME CLOCK CONTROL.

					VRF S	YSTEM - INDOOR UN	IT SCHED	ULE- PAR1	Г 2						
TAG	SERVES	ASSOCIATED OUTDOOR UNIT	MITSUBISHI MODEL #	INDOOR TYPE	NOMINAL COOLING CAPACITY BTU/H	NOMINAL HEATING CAPACITY BUT/H-		OOLING (BTU/H) ENSIBLE CAPACITY	CORRECTED HEATING CAPACITY (MBH)	REFRIG PIPE DIM LIQUID/SUCTION (INCH)	CFM (DRY) HI-SPEED	FAN ESP	ELECT		NOTES:
HP-6-1	GARDEN ROOM 125	HPCU-6	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	330	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-2	GARDEN ROOM 125	HPCU-6	PLFY-P08NFMU	CEILING RECESSED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	400	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-3	GARDEN ROOM 125	HPCU-6	PLFY-P08NFMU	CEILING RECESSED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	400	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-4	GARDEN ROOM 125	HPCU-6	PLFY-P08NFMU	CEILING RECESSED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	400	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-5	GARDEN ROOM 125	HPCU-6	PLFY-P08NFMU	CEILING RECESSED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	400	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-6	PRIVATE DINING ROOM	HPCU-6	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	330	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-6-7	PRIVITE DINING ROOM	HPCU-6	PLFY-P12NFMU	CEILING RECESSED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	330	0.2	0.3/15	208/1/60	1-4, 6, 7
HP-7-1	SUITE 17	HPCU-7	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-7-2	SUITE 19	HPCU-7	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-7-3 HP-7-4	SUITE 21 SUITE 36	HPCU-7 HPCU-7	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000 7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-7-4 HP-7-5	SUITE 37	HPCU-7	PKFY-P08NLMU PKFY-P12NLMU	WALL MOUNTED- DUCTLESS WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	10,000	1/4" / 1/2"	300	0.2		208/1/60 208/1/60	
HP-7-6	SUITE 38	HPCU-7	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-7-7	SUITE 46	HPCU-7	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-7-8	SUITE 48	HPCU-7	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-8-1	SUITE 18	HPCU-8	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-2	SUITE 20	HPCU-8	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-3	STAIR 201	HPCU-8	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-4	SUITE 33	HPCU-8	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-5	SUITE 35	HPCU-8	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-6	STAIR 301	HPCU-8	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-7	SUITE 47	HPCU-8	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-8-8	SUITE 49	HPCU-8	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-9-1	SUITE 22	HPCU-9	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	-	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-9-2	SUITE 23	HPCU-9	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-9-3	SUITE 24	HPCU-9	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-9-4 HP-9-5	2ND FLOOR CORR SUITE 39	HPCU-9 HPCU-9	PKFY-P12NLMU PKFY-P08NLMU	WALL MOUNTED- DUCTLESS WALL MOUNTED- DUCTLESS	8,000	9,000	10,500 7,200	7,500	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-9-6	SUITE 40	HPCU-9	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
	3RD FLOOR CORR- WEST		PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-10-1	SUITE 26	HPCU-10	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS		9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-10-2	SUITE 25	HPCU-10	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-10-3	2ND FLOOR CORR	HPCU-10	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-10-4	SUITE 27	HPCU-10	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-10-5	SUITE 28	HPCU-10	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-10-6	SUITE 41	HPCU-10	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS	12,000	13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-10-7	SUITE 41	HPCU-10	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-11-1	SUITE 04	HPCU-11	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-11-2	SUITE 05	HPCU-11	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-11-3	SUITE 06	HPCU-11	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-11-4	SUITE 07	HPCU-11	PKFY-P08NLMU	WALL MOUNTED- DUCTLESS	8,000	9,000	7,200	5,000	7,000	1/4" / 1/2"	230	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-11-5	SUITE 08	HPCU-11	PKFY-P12NLMU	WALL MOUNTED- DUCTLESS		13,500	10,500	7,500	10,000	1/4" / 1/2"	300	0.2		208/1/60	
HP-12-1	KITCHEN	HPCU-12	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2		208/1/60	
HP-12-2	KITCHEN	HPCU-12	PKFY-P15NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-12-3	KITCHEN	HPCU-12	PEFY-P36NMAU	CONCEALED- DUCTED	36,000	40,000	32,000	24,000	30,000	3/8"/5/8"	1,250	0.4	4.3/15	208/1/60	1-4, 6, 7
HP-13-1	FITNESS 041	HPCU-13	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2	0.2/15	208/1/60	1-4, 6, 7
HP-13-2	FITNESS 041	HPCU-13	PKFY-P18NLMU	WALL MOUNTED- DUCTLESS	18,000	20,000	16,000	11,000	15,000	1/4" / 1/2"	440	0.2	0.2/15	208/1/60	1-4, 6, 7
NOTES: 1	. NOMINAL COOLING CAP	ACITIES ARE BASED ON INDOOR	R COIL EAT OF 80/67°F (	(DB/WB), OUTDOOR OF 95°F (DI	3)										
2	. NOMINAL HEATING CAPA	ACITIES ARE BASED ON INDOOR	COIL EAT OF 70°F (DB	), OUTDOOR OF 43°F (WB)											
3	. SEE OUTDOOR UNIT SCH	HEDULE FOR OUTDOOR AMBIEN	T CONDITIONS, CONN	ECTED CAPACITY, AND OTHER	FACTORS ASSOCIATED WITH CORREC	CTED CAPACITIES									

3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES 4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.

5. PROVIDE THERMOSTAT/REMOTE CONTROLLER BRC1E73. 6. PROVIDE TEMPERATURE SENSOR KRCS01.

7. PROVIDE CONDENSATE OVERFLOW SWITCH (EITHER INTEGRAL OR AS AN ACCESSORY) FOR OVERFLOW PROTECTION.

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IEL RADIATOR SCHEDULE											
CAL DATA	PE	RFOF	RMAN	CE							
HEIGHT (IN)	OUTPUT (BTUH/LF)		LWT (°F)	GPM	EAT (°F)	TYPICAL UNIT MFG & MODEL NO.	NOTES:				
6"	290	140	120		65	RUNTAL RF-2					
6"	290	140	120		65	RUNTAL RF-2					
6"	290	140	120		65	RUNTAL RF-2					
6"	290	140	120		65	RUNTAL RF-2					
6"	290	140	120		65	RUNTAL RF-2					
6"	290	140	120		65	RUNTAL RF-2					

TYPICAL UNIT MFG & MODEL NO. 1		
MFG & MODEL NO.		NOTES:
	MFG & MODEL NO.	
		1

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	5		(	4				3					2		1		
							PUM	P SCI	HEC	)UL	.E						
						1					ELECTRI	CAL					
TAG	SERVICE	SERVICE LOCATION TYPE TYPE GPM (FT) VOLTS/Ø MOTOR ECM (Y/N) VFD STARTER DISCONNECT STANDBY POWER (Y/N) MFG &									TYPICAL UNIT MFG & MODEL NO.	NOTE	<u>:</u> S:				
P-1	BOILER	MECH ROOM	CIRCULATOR	WATER	20	10	120/1	1/4	Y	N	N	Ν	Y	Y	GRUNDFOS MAGNA1 32-60	1, 2	2
P-2	BOILER	MECH ROOM	CIRCULATOR	WATER	20	10	120/1	1/4	Y	N	N	Ν	Y	Y	GRUNDFOS MAGNA1 32-60	1, 2	?
P-3	SPACE HEATING	MECH ROOM	CIRCULATOR	WATER	20	20	120/1	1/4	Y	N	N	Ν	Y	Y	GRUNDFOS MAGNA1 32-100	1, 2	2
P-4	DOMESTIC HOT WATER	MECH ROOM	CIRCULATOR	WATER	28	10	120/1	1/4	Y	N	N	Ν	Y	Y	GRUNDFOS MAGNA1 32-60	1, 2	?
NOTES:																	
	REFER TO THE NOTES, SI PUMP SHALL BE NON-OVI					AND	SEQUENC	E OF OPE	RATIC	NS FC	R ADDITIO	NAL REQUI	REMENTS				

### ENERGY RECOVERY VENTILATOR SCHEDULE

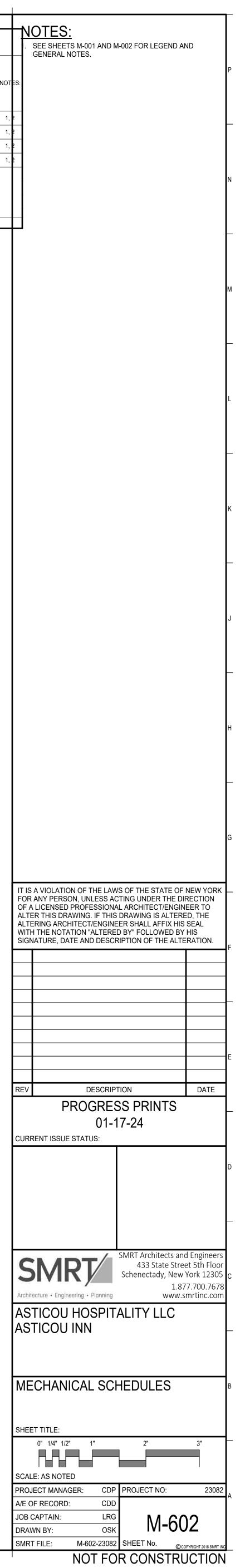
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### CONTROL SYMBOLS

CO	CARBON DIOXIDE SENSOR	
С	CARBON MONOXIDE SENSOR	
CS	CURRENT SENSOR	
DP	DIFFERENTIAL PRESSURE SENSOR	$\square$
D	DEW POINT SENSOR	
LD	LEAK DETECTOR	$\left \right\rangle$
H	MOISTURE (HUMIDITY) SENSOR	
NX	NITROGEN DIOXIDE SENSOR	$ \leq $
ÔĊ	OCCUPANCY SENSOR	
OP	OPTICAL SENSOR	$\langle \rangle$
<u>()</u> 2	OXYGEN SENSOR	
PC	PARTICLE COUNTER	$\left\{ \begin{array}{c} \\ \\ \\ \end{array} \right\}$
P	PRESSURE SENSOR	<u> </u>
SD	SMOKE DETECTOR	
SP	STATIC PRESSURE SENSOR	
TS	TEMPERATURE SENSOR	<u> </u>
TS)—~~~	TEMPERATURE SENSOR - WITH AVERAGING ELEMENT	Н
T	THERMOSTAT - ROOM / SPACE TEMPERATURE SENSOR	c
WL	WATER LEVEL SENSOR	/
AFS	AIR FLOW SWITCH	C
APS	AIR PROVING SWITCH	
ALM	ALARM	/ c
	DIFFERENTIAL PRESSURE SWITCH	
SS	SAIL SWITCH	D
EPT	ELECTRONIC TO PNEUMATIC TRANSDUCER	
ES	END SWITCH	/ x
FMS	FLOW MONITORING STATION	Р
=s	(FREEZESTAT) TEMPERTURE SWITCH	
FL	FLOW SWITCH	
CS       CURRENT SENSOR         (P)       DIFFERENTIAL PRESSURE SENSOR         (D)       LEAK DETECTOR         (ID)       OCCUPANCY SENSOR         (IC)       OCCUPANCY SENSOR         (ID)       PARTICLE COUNTER         (P)       PRESSURE SENSOR         (ID)       TEMPERATURE SENSOR         (IS)       STATIC PRESSURE SENSOR         (IS)       TEMPERATURE SENSOR         (IS)       VATER LEVEL SENSOR         (IS)       AIR PLOW SWITCH         (AEPS)       AIR PLOW SWITCH         (AEPS)       AIR PLOW SWITCH         (AEPS)       AIR PLOW SWITCH         (IEPT)       ELECTRONIC TO PNEUMATIC TRANSDUCER         (IES)       FLOW SWITCH         (IEPT)       FLOW SWITCH         (IEPT)       FLOW SWITCH         (IEP) <td>/ Н</td>	/ Н	
	HIGH LIMIT DUCT HUMIDISTAT	E
C <u></u>	FIRE / SMOKE DAMPER (COMBINATION)	
	MOTORIZED DAMPER	c
	PRESSURE SWITCH - HIGH LIMIT	
PSL	PRESSURE SWITCH - LOW LIMIT	ER
	SMOKE DAMPER	
	START / STOP	/ c
	VARIABLE FREQUENCY DRIVE	
	CONTROL VALVE - MODULATING	G
	CONTROL VALVE - TWO POSITION	
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₩ ®}		
$\sim$	SOLENOID VALVE	

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)	FAN
	PUMP
	MOTOR STARTER
	PRE-FILTER (MERV 8)
	MID-FILTERS (MERV 13)
	FINAL FILTERS (MERV 14 OR 15)
	HEATING COIL
	COOLING COIL
	DIRECT EXPANSION COIL
	PRE HEAT COIL
	ELECTRIC COIL
	ENERGY RECOVERY COIL
	GAS HEATER

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### ABBREVIATIONS

ACC AIR COOLED CONDENSER

HTR HEATER

ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR
AE	ACID EXHAUST
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL
BDD	BACKDRAFT DAMPER
BMS	BUILDING MANAGEMENT SYSTEM
BTU	BRITISH THERMAL UNIT
BLDG	BUILDING
CBD	COUNTER BALANCED DAMPER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONT	CONTINUATION
COORD	COORDINATE
CP	CONDENSATE PUMP & RECEIVER
СТ	COOLING TOWER
CTE	CONNECT TO EXISTING
CU	COPPER
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
CW	COLD WATER
DC	DOUBLE CONTAINED
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
EA	EXHAUST AIR
EF	EXHAUST FAN
(E)	EXISTING
EXIST.	EXISTING
FBO	FURNISHED BY OWNER
FBP	FACE AND BYPASS
FMS	FLOW MEASURING STATION
FD	FIRE DAMPER
FG	FIBERGLASS
F & T	FLOAT AND THERMOSTATIC
FTR	FINNED TUBE RADIATION
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
Н	HUMIDIFIER
HB	HOSE BIB
HRU	HEAT RECOVERY UNIT

H & V	HEATING AND VENTILATION
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
HX	HEAT EXCHANGER
IN WG	INCHES WATER GAUGE
MA	MIXED AIR
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU/HR.
ME	MECHANICAL ENGINEER
MFR	MANUFACTURER
MIN	MINIMUM
MD	MOTOR OPERATED DAMPER
MPV	MULTI-PURPOSE VALVE
MTD	MOUNTED
MUA	MAKE UP AIR
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OED	OPEN ENDED DUCT
PPE	PRE PURCHASED EQUIPMENT
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PVD	
(R)	REMOVE
	RETURN AIR
. ,	RELOCATED
	RETURN FAN
	REHEAT COIL
	ROOM
SA SCV	SUPPLY AIR SELF CONTAINED VALVE
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SG	SUPPLY FAN
-	STAINLESS STEEL
TE	TEMPERATURIZED ELEMENT (SENSOR)
TYP	TYPICAL
UH	UNIT HEATER
UV	UNIT VENTILATOR
	VARIABLE AIR VOLUME BOX
	VACUUM BREAKER
	VENT THRU ROOF
VD	MANUAL VOLUME DAMPER
	VALVED AND CAPPED FOR FUTURE

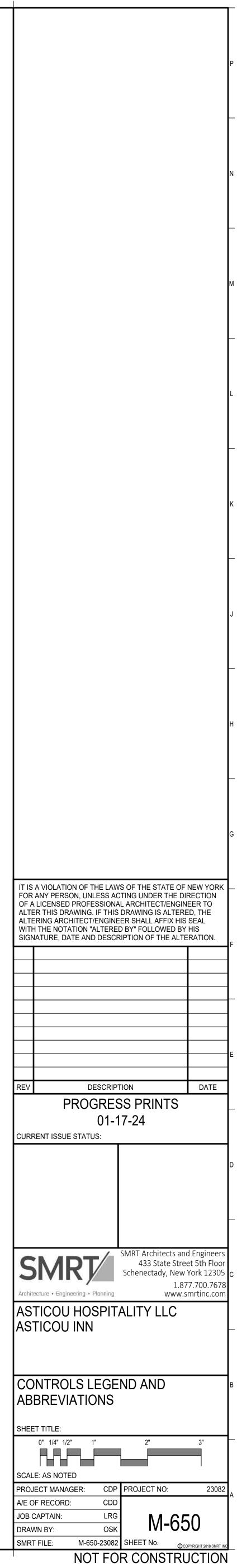
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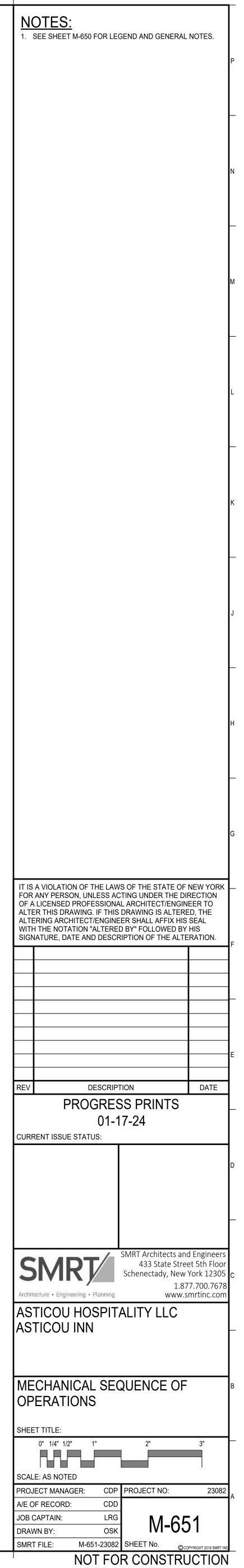
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### PIPING SYMBOLS

—  —	UNION
	FLANGE
—— <del>×</del> —	PIPE ANCHOR
	PIPE GUIDE OR SLEEVES
<del></del>	PIPE ELBOW TURNED DOWN
o	PIPE ELBOW TURNED UP
<del></del>	PIPING TEE-DOWN
<b>O</b>	PIPING TEE-UP
0	PIPE RISER
O FCO	FLOOR CLEAN OUT
—— <b>— I</b> CO	CLEAN OUT
	WALL CLEAN OUT
<b>`_</b>	PIPE PITCHES DOWN
	GENERIC VALVE, SEE
	SPECIFICATIONS FOR TYPE GATE VALVE
	BALL VALVE
	3-WAY CONTROL VALVE
	BALANCING VALVE (CIRCUIT SETTER)
	CHECK VALVE
	PLUG VALVE
	GLOBE VALVE
	NEEDLE VALVE
	BACK FLOW PREVENTER
	SOLENOID VALVE
	PRESSURE REDUCING OR REGULATING VALVE
\$ <sup>t</sup> 1	PRESSURE RELIEF VALVE
	STRAINER
	STRAINER W/BLOWDOWN
<b>₹</b> ₩ <b>□</b> PS	
<del>+</del> +	PRESSURE SWITCH
	FLOW SWITCH
<b>9</b> PG	
, <del>‡</del> ,	PRESSURE GAUGE AND COCK
<u>, </u>	THERMOMETER AND WELL
<b>T</b>	TEMPERATURE & PRESSURE TAP (PETE'S PLUG)
<u> </u>	HOSE END DRAIN VALVE WITH CAP
т Т	
	PIPE ELBOW TURNED DOWN - VALVE IN VERTICAL
<u> </u>	PIPE ELBOW TURNED UP - VALVE IN VERTICAL



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—— (FM) CD ——	FORCED MAIN CONDENSATE DRAIN	
CD	CONDENSATE DRAIN	
<b>— —</b> GWS <b>— —</b>	GRAY WATER SUPPLY	
<b>—</b> — GWR <b>—</b> —	GRAY WATER RETURN	
LP	LIQUID PROPANE GAS	TW
—_LP (# PSIG) —	HIGH PRESSURE LIQUID PROPANE GAS	CW
—— NG ——	NATURAL GAS	——————————————————————————————————————
NG (# PSIG)	HIGH PRESSURE NATURAL GAS	
	NON POTABLE COLD WATER	(FM) S, W, IW or KV
	POTABLE WATER	S, W, IW or KW
SPK	SPRINKLER	S, W, IW or KW
		S, W or KW

¦	ORIFICE FLOWMETER
	FLEXIBLE PIPE CONNE
Þ	CONCENTRIC REDUC
D	ECCENTRIC REDUCER
<b>——</b> НВ	HOSE BIBB
	WALL HYDRANT
	DIRECTION OF FLOW
$\rightarrow$	FIRE DEPARTMENT CO
<b>—••</b>	PUMP
	WATER HAMMER SUP

DP

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WATER HAMMER SUF DIFFERENTIAL PRESS SPRINKLER HEAD GAS TURRET

## GENERAL SYMBOLS

LIMITS OF DEMOLITION  $\bigcirc$ CONNECT TO EXISTING - EQUIPMENT ABBREVIATION (DWH=DOMESTIC WATER HEATER) EQUIPMENT NO. DWH-1 EQUIPMENT TAG A1 DETAIL NO. PL501 SHEET NO. WHERE DETAIL IS LOCATED (1)------- KEYED NOTE

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RECIRCULATED DOMESTIC HOT WATER SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE (EXIST.) SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB) SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.) - SD ------ STORM DRAIN \_\_\_\_\_ SD \_\_\_\_\_ STORM DRAIN (BELOW SLAB-EXIST.) — — — V — — — SANITARY VENT (EXIST.)

## ABBREVIATIONS

\_\_\_\_\_

AAV

ACM

ATC

BFP

BLDG

BOD

BOP

CFF

CLG

CO

CONT

COORD

CP CTE

CU

CW

CW-P

DC

DCO

R
NECTOR
ER/INCREASER
V
CONNECTION
IPPRESSER
SSURE TRANSMITTER

,	AUTOMATIC AIR VENT	DF	DRINKING FOUNTAIN	н	HUMIDIFIER	NPW	NON-POTABLE WATER	SP	SUMP PUMP
	AIR CONDITIONING UNIT	DIA	DIAMETER	HB	HOSE BIB	NTS	NOT TO SCALE	SS	STAINLESS STEEL
I	AIR COMPRESSOR	DIC	DOWN IN CHASE	HP	HEAT PUMP	N2G	NITROGEN GENERATORS	SSK	SOILED SERVICE SINK
	ACCESS DOOR	DIW	DOWN IN WALL	HTR	HEATER	Р	PUMP	ST	STORAGE TANK
	ABOVE FINISHED FLOOR	DN	DOWN	H & V	HEATING AND VENTILATION	PET	THERMAL EXPANSION TANK	Т	TANK
	AUTOMATIC TEMPERATURE CONTROL	DS	DOWNSPOUT	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PPE	PRE PURCHASED EQUIPMENT	TP	TRAP PRIMER
	AIR VENT	DT	DROP AND TRANSITION	HW	HOT WATER	PRS	PRESSURE REDUCING STATION	TD	TRENCH DRAIN
	BACKFLOW PREVENTER	DTV	DRAIN TEMPERING VALVE	HX	HEAT EXCHANGER	PRV	PRESSURE REDUCING VALVE	TE	TEMPERATURIZED ELEMENT (SENSOR)
3	BUILDING	DWG	DRAWING	IAC	INSTRUMENT AIR CONTROL PANEL	PSIG	POUNDS PER SQUARE INCH (PRESSURE)	TOP	TOP OF PIPE
)	BOTTOM OF DUCT	DWH	DOMESTIC WATER HEATER	IE	ION EXCHANGE UNIT	(R)	REMOVE	TTS	TIGHT TO STEEL
)	BOTTOM OF PIPE	DWV	DRAINAGE, WASTE & VENT	INT	INTERCEPTOR	(REL)	RELOCATED	TYP	TYPICAL
	BOOSTER PUMP	EE	EMERGENCY EQUIPMENT	IN WG	INCHES WATER GAUGE	RD	ROOF DRAIN	UIC	UP IN CHASE
	BATHING TUB	ENC	ENCLOSURE	LAV	LAVATORY	RM	ROOM	UIW	UP IN WALL
	BRITISH THERMAL UNIT	(E)	EXISTING	L.P.C.	LIMIT OF PLUMBING CONTRACT	RO	REVERSE OSMOSIS UNIT	UR	URINAL
	BOOT WASH	ESP	ELEVATOR SUMP PUMP	MAU	MAKE UP AIR UNIT	RP	RECIRCULATING PUMP	UV	ULTRAVIOLET FILTER
	CAPPED FOR FUTURE	EXIST.	EXISTING	MAX	MAXIMUM	RPZ	REDUCED PRESSURE ZONE BFP	VB	VACUUM BREAKER
	CEILING	EWC	ELECTRIC WATER COOLER	MBH	1000 BTU/HR.	RTU	ROOF TOP AIR HANDLING UNIT	VAC	VACUUM PUMP
	CLEANOUT	F	FILTER	ME	MECHANICAL ENGINEER	RV	RELIEF VALVE	VTR	VENT THRU ROOF
Г	CONTINUATION	FBO	FURNISHED BY OWNER	MFR	MANUFACTURER	RWP	RAIN WATER PUMP	VCFF	VALVED AND CAPPED FOR FUTURE
D	COORDINATE	FC	FLEXIBLE CONNECTION	MGAP	MEDICAL GAS ALARM PANEL	SCV	SELF CONTAINED VALVE	W/	WITH
	CONDENSATE PUMP	FCO	FLOOR CLEANOUT	MIN	MINIMUM	SH	SHOWER	WB	WALL BOX
	CONNECT TO EXISTING	FD	FLOOR DRAIN	MP	MACERATING SANITARY EJECTOR PUMP	SK	SINK	WC	WATER CLOSET
	COPPER	FG	FIBERGLASS	MPV	MULTI-PURPOSE VALVE	SOLC	SOLAR COLLECTOR PANEL	WCO	WALL CLEANOUT
	COLD WATER	FRHB	FREEZE RESISTANT HOSE BIBB	MR	MOP RECEPTOR	SOLDT	SOLAR DRAIN-BACK TANK	WP	SANITARY WASTE EJECTOR PUMP
C	DOUBLE CONTAINED	FS	FLOOR SINK	MTD	MOUNTED	SOLP	SOLAR WATER PUMP	W&T	WASTE AND TRAP
	CITY WATER-PROCESS	GC	GENERAL CONTRACTOR	MUA	MAKE-UP AIR UNIT	SOLPET	SOLAR THERMAL EXPANSION TANK	WH	WALL HYDRANT
)	DANDY CLEANOUT	GPM	GALLONS PER MINUTE	MUA	MAKE UP AIR	SOLT	SOLAR STORAGE TANK	WS	WATER SOFTENER
		GT	GREASE TRAP / INTERCEPTOR	MV	MIXING VALVE	SOLWH	SOLAR HOT WATER HEATER		

### INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.

) — – – — DOMESTIC HOT WATER (TEMP DEG F)

RECIRC. DOMESTIC HOT WATER (TEMP DEG F)

TEPID WATER (65 - 80 DEG F)

— – — DOMESTIC COLD WATER

**DOMESTIC HOT WATER** 

KW------- FORCED MAIN SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE

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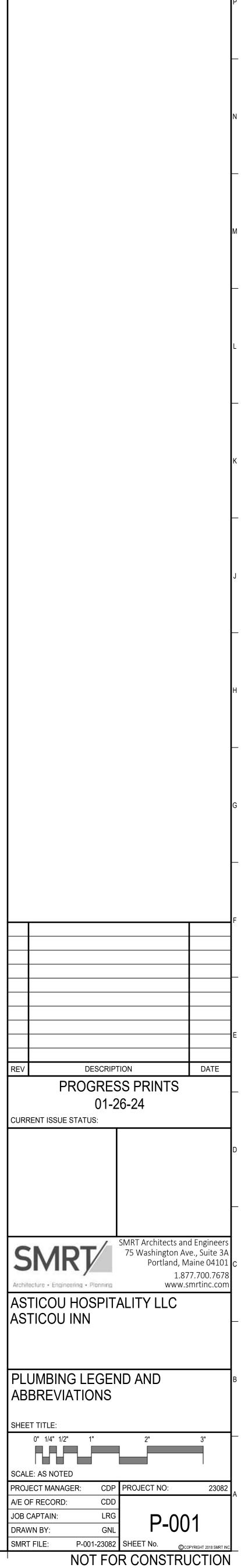
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V SANITARY VENT (BELOW SLAB)

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

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## PLUMBING GENERAL NOTES:

- 1. ALL PLUMBING GENERAL NOTES, SYMBOLS, LISTS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT.
- 2. OBTAIN ALL PERMITS AND APPROVALS TO PERFORM THE WORK.
- 3. PLUMBING CONTRACTOR SHALL REPORT ASBESTOS TO GENERAL CONTRACTOR. 4. SAFETY CONFINED SPACE WORK: THE CONTRACTOR IS RESPONSIBLE TO PROVIDE
- TEMPORARY LIGHTING, VENTILATION, EMERGENCY EXTRACTION EQUIPMENT, ETC. FOR ALL WORK WITHIN CONFINED SPACE (IF APPLICABLE). ALL CONFINED SPACE ENTRY SHALL BE COORDINATED WITH OWNER AND COMPLETED PER OSHA GUIDELINES.
- 5. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXISTING AND NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEM. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
- 6. THE CONTRACTOR SHALL VISIT THE SITE, BECOME FAMILIAR WITH THE EXISTING FIELD CONDITIONS, AND MAKE THEIR OWN ESTIMATE OF THE DIFFICULTIES IN EXECUTING THE WORK PRIOR TO SUBMITTING ITS BID. NO COMPENSATION WILL BE AWARDED TO THE CONTRACTOR BASED ON A CLAIM OF LACK OF KNOWLEDGE OF EXISTING FIELD CONDITIONS.
- 7. REVIEW PROTOCOL AND PROCEDURES WITH FACILITY OWNERS AND OPERATORS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BUILDING OWNER'S PROTOCOL AND PROCEDURES BY ITS EMPLOYEES AND SUB-CONTRACTORS.
- 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, THE ACCEPTED PLUMBING CODE WITH STATE AMENDMENTS, THE AHJ, AND THE LOCAL PLUMBING INSPECTOR.
- 9. IF REQUIRED THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
- 10. CONTRACTOR IS TO MAINTAIN SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE. IF INTERRUPTION OF SERVICE IS REQUIRED COORDINATE SHUTDOWN WITH PROJECT ENGINEER AND OWNER. 11. THE CONTRACTOR SHALL VERIFY SHUTDOWN AND ISOLATION VALVE LOCATIONS. THE
- CONTRACTOR SHALL COORDINATE ALL SHUTDOWN WORK WITH THE FACILITY OWNER AND OPERATOR.
- 12. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- 13. WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS.
- 14. PIPING AND EQUIPMENT ARE NOT COMPLETELY DETAILED ON THE DIAGRAMS AND ELEVATIONS PROVIDED ON THE DRAWINGS ARE APPROXIMATE. THE DISTRIBUTION IS INTENDED AS A GENERAL ROUTING ONLY, BUT DOES ILLUSTRATE THE DESIRED LOCATION. THE CONTRACTOR SHALL AVOID INTERFERENCES WITH OTHER EQUIPMENT AND THE WORK OF OTHER DISCIPLINES.
- 15. NOT ALL VALVES, INSTRUMENTS AND CONTROLS ARE SHOWN IN THE PLAN VIEWS. INSTALL PIPING AND VALVES AS SHOWN ON PIPING DIAGRAMS AND DETAILS. SEE DETAILS, PIPING DIAGRAMS AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL VALVES & FITTINGS NECESSARY FOR COMPLETE PIPING SYSTEM.
- 16. DRAWINGS OF REVISED PIPING ARRANGEMENTS SHALL BE SUBMITTED IF ITEMS ARE NOT SHOWN ON THE DRAWINGS. REVISIONS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE CHANGES.
- 17. COORDINATE REMOVALS AND RELOCATION'S INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL CONTRACTORS.
- 18. MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE UTILITIES PENETRATIONS TO BE SEALED, SEE ARCHITECTURAL DRAWINGS FOR PARTITION HEIGHTS. DUCTWORK SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.

- 19. FIELD VERIFY EXISTING EQUIPMENT AND PIPING PRIOR TO REMOVAL OR REUSE. CONFIRM WITH PROJECT ENGINEER THAT ALL EQUIPMENT AND PIPING DESIGNATED TO BE REMOVED IS NO LONGER IN SERVICE PRIOR TO ITS REMOVAL. PROJECT ENGINEER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMO'D EQUIPMENT.
- 20. EXISTING EQUIPMENT AND PIPING TO REMAIN IN SERVICE SHALL BE INSPECTED. REPORT INOPERABLE EQUIPMENT TO PROJECT ENGINEER.
- 21. ALL UNUSED (ABANDONED), PIPING AND EQUIPMENT INDICATED TO BE REMOVED SHALL BE REMOVED AND CAPPED.
- 22. TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON EXISTING CONDITIONS.
- 23. COORDINATE THE LOCATIONS OF ALL WALL MOUNTED EQUIPMENT WITH FINAL EQUIPMENT/FURNITURE LAYOUT.
- 24. INTENT OF PROJECT IS FOR NEW MATERIALS AND COMPONENTS TO MATCH EXISTING.
- 25. EQUIPMENT SCHEDULED IS THE BASIS OF DESIGN, OR APPROVED EQUAL.
- 26. COORDINATE ELECTRICAL POWER REQUIREMENTS FOR ALL MOTORS.
- 27. COORDINATE WITH OWNER FURNISHED EQUIPMENT AND SYSTEMS.
- 28. PLUMBING CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STRUCTURAL SUPPORTS, ANGLE IRON, PLATES, ROD, ETC. AS NECESSARY FOR PROPER INSTALLATION OF PIPING, EQUIPMENT, AND ACCESSORIES.
- STEEL, PIPE SUPPORT COMPONENTS, ETC.
- CLEAN AND NEAT CONDITION.
- AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- 32. COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE FLASHING AND COUNTER FLASHING FOR ROOF PENETRATIONS AS REQUIRED.
- 33. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES, RELOCATION OF EXISTING UTILITIES MAY BE NECESSARY TO ACCOMMODATE INSTALLATION OF NEW EQUIPMENT OR DUCTWORK.
- FIRM ON NEW OR EXISTING EQUIPMENT INSTALLED OR RELOCATED BY THEM UNDER THIS CONTRACT. THIS SHALL INCLUDE ALL TOUCH-UP PAINTING.
- 36. PROVIDE ACCESS PANELS FOR ALL CONCEALED SHUT-OFF VALVES EXCEPT THOSE
- ABOVE SUSPENDED CEILING.
- AND CHASES ARE 2-HR FIRE RATED.
- CEILINGS OR WITHIN PARTITIONS UNLESS OTHERWISE NOTED.
- WITH ARCHITECTURAL DRAWINGS.
- 40. COORDINATE FINAL LOCATIONS OF MEDICAL GAS OUTLETS. AND VALVE BOXES WITH ARCHITECT.
- 41. SANITARY LINES SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- 42. COORDINATE WITH BUILDING OWNER PRIOR TO CUTTING OR GRINDING FLOORS.

ALL MATERIALS SHALL BE APPROVED BY THE FACILITY OWNERS AND OPERATORS.

29. CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING SUPPORTS, STRUT RACKS, TRAPEZE

30. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A

31. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE MADE BY ITS

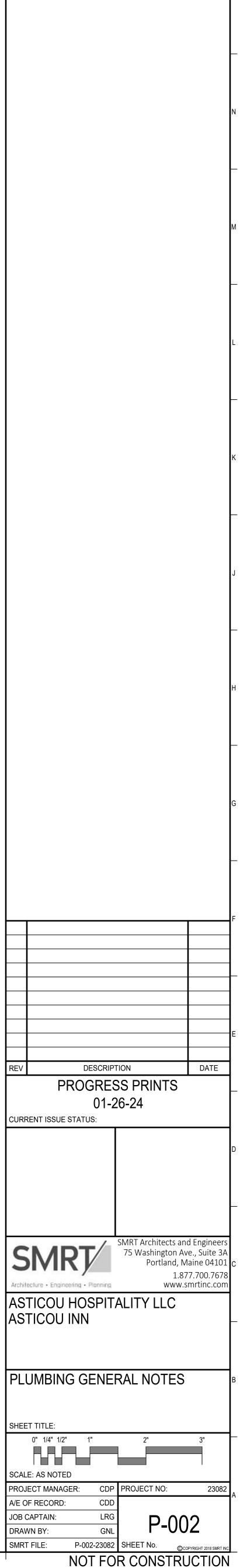
35. CONTRACTOR SHALL FIELD VERIFY ALL CLEARANCES AND DIMENSIONS.

37. INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT, FULL THICKNESS OF SLAB. MAINTAIN FIRE RATING. ALL EXISTING CONCRETE FLOORS

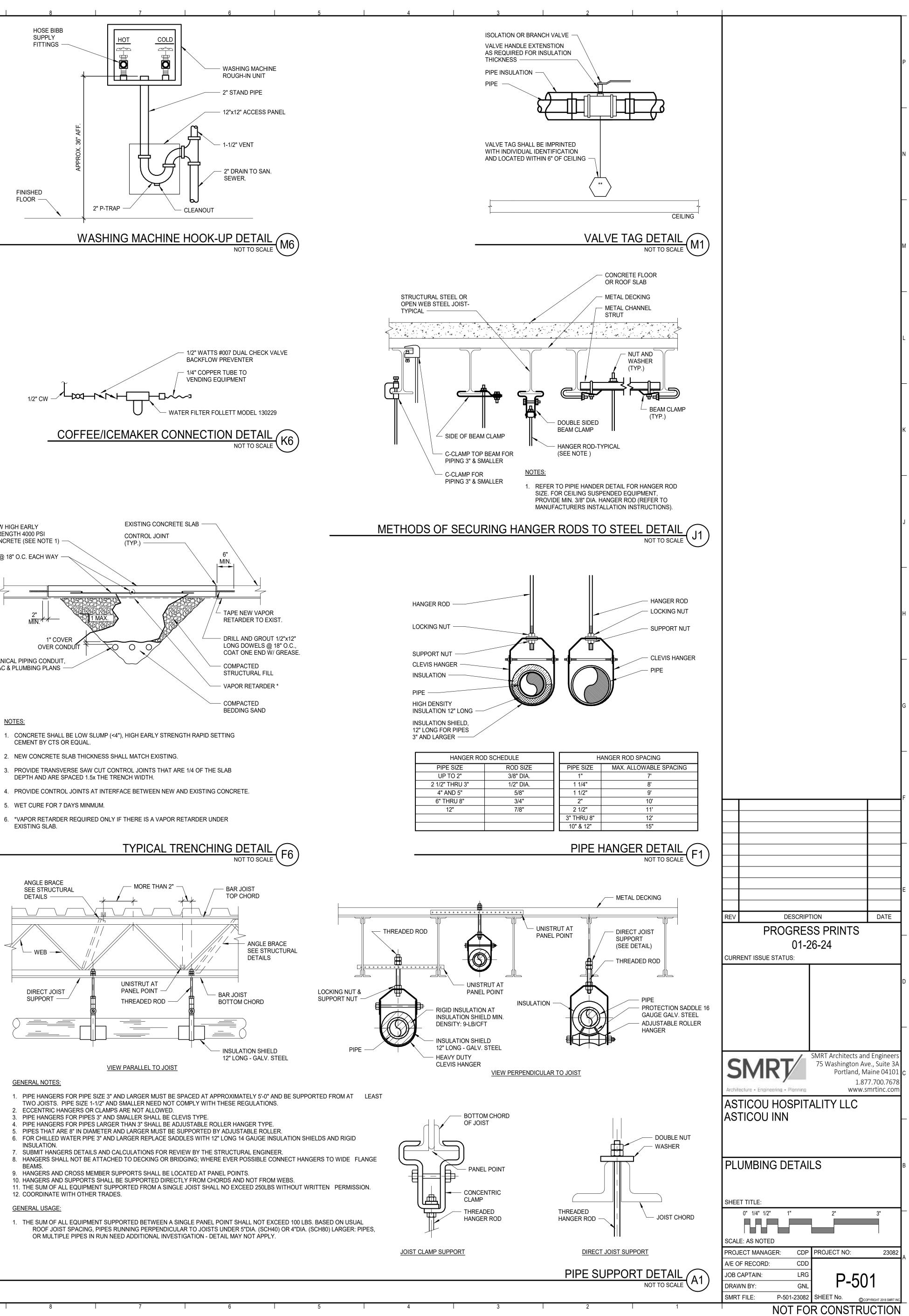
38. ALL DOMESTIC WATER SUPPLY, VENT AND MEDICAL GAS PIPING SHALL BE RUN ABOVE

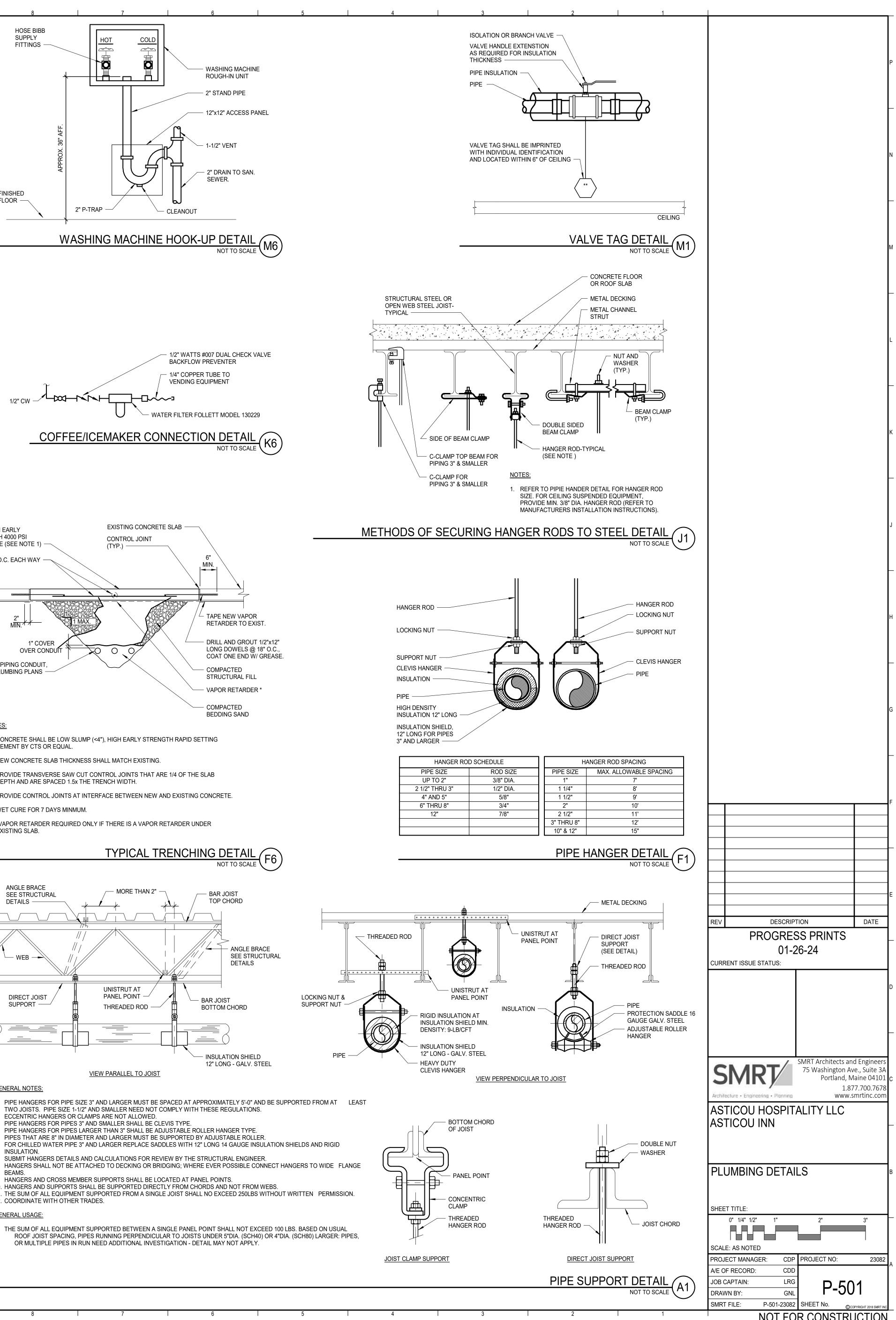
39. PLUMBING RISERS SHALL BE RUN CONCEALED WITHIN WALLS OR CHASES, COORDINATE

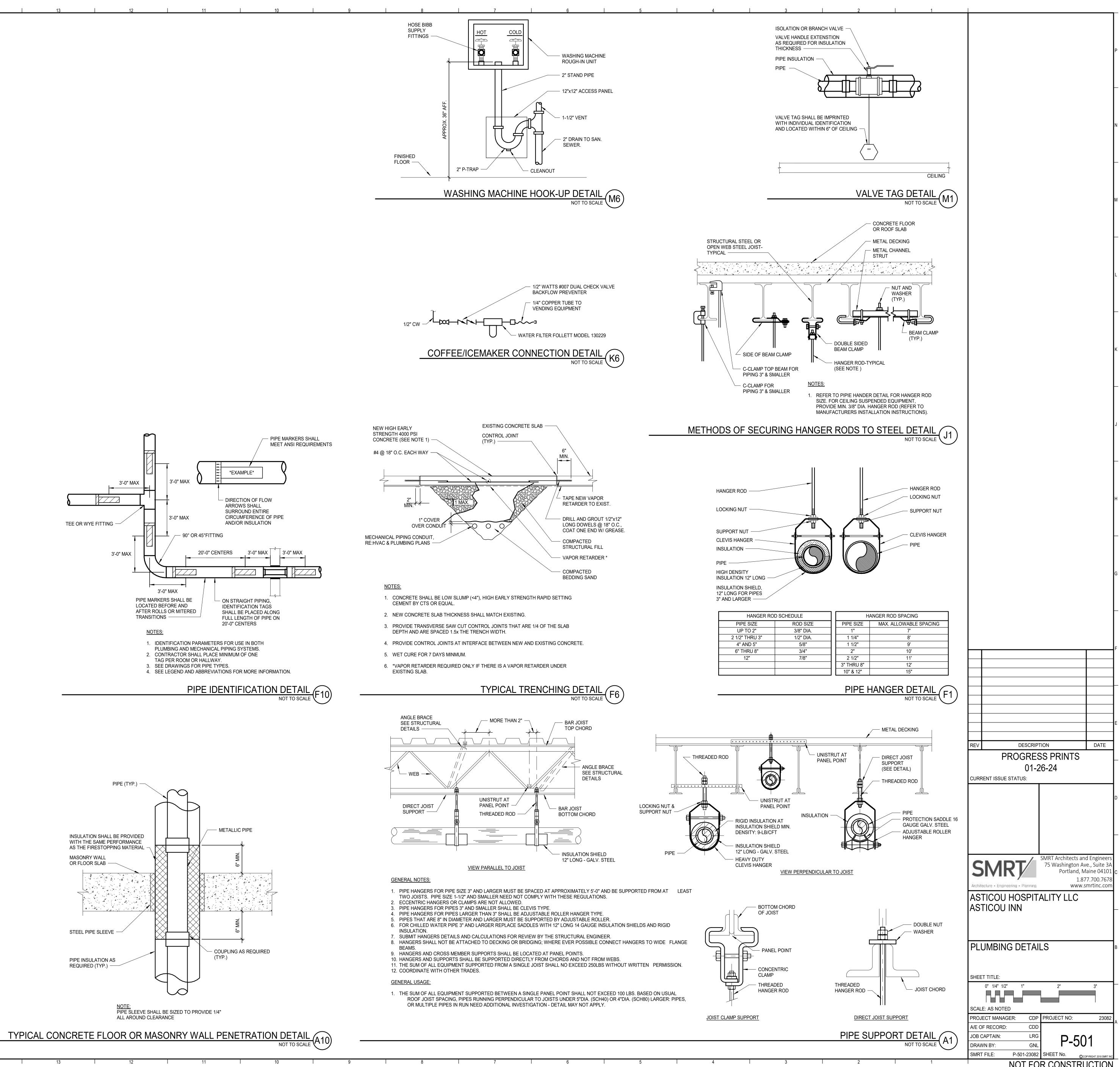
- 42. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURER'S LITERATURE.
- 43. NEW PIPING LOCATIONS ON THE PLANS ARE DIAGRAMMATICAL. TO THE EXTENT POSSIBLE THE CONTRACTOR SHALL INSTALL PIPING SYSTEMS TO MINIMIZE RUN LENGTHS TO FIXTURES.
- 44. CONTRACTOR TO PROVIDE ALL MATERIALS NEEDED FOR CONSTRUCTION UNLESS OTHERWISE NOTED OR DIRECTED.
- 45. OPERATIONS AND MAINTENANCE MANUALS: SUBMIT ALL TESTING DATA AND COPIES OF APPROVED PRODUCT DATA, INCLUDING MAINTENANCE INFORMATION IN A TABBED, NEATLY ORGANIZED THREE RING BINDER. INCLUDE VALVE IDENTIFICATION CHARTS PROVIDE 3 COPIES TO THE OWNER.
- 46. PIPE IDENTIFICATION; LABELING SHALL APPEAR AT INTERVALS OF NOT MORE THAN 20 FEET AND AT LEAST ONCE IN EACH ROOM AND EACH STORY TRAVERSED BY THE PIPING SYSTEM. ALL PIPING SHALL BE CLEARLY IDENTIFIED SPECIFICALLY FOR TYPE OF SERVICE WITH COILED PLASTIC PIPE MARKERS AND FLOW DIRECTION ARROWS. LABELING COLOR AND SIZE SHALL BE PER OSHA SPECIFICATIONS.
- 47. VALVE IDENTIFICATION; PROVIDE A CIRCULAR BRASS TAG AND CHAIN ON EACH VALVE. TAG TO INCLUDE A DISCRETE NUMBER AND SHALL BE COORDINATED WITH ANY CURRENT FACILITY NUMBERING SCHEME OR STANDARD.
- 48. IF CONTRACT INCLUDES RENOVATION WORK WHICH TAKES PLACE IN AN OCCUPIED SPACE. INSTALLATIONS SHALL NOT AFFECT ONGOING OPERATIONS. COORDINATE HOURS AVAILABLE TO PERFORM WORK WITH THE OWNER AND GENERAL CONTRACTOR.
- 49. PRIOR TO CONNECTING TO ANY EXISTING PIPING, CONFIRM TIE-IN LOCATIONS WITH THE FACILITY OWNERS AND OPERATORS.
- 50. INSTALL ALL NEW AND RELOCATED EXISTING COMPONENTS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS.
- 51. SEAL INTERIOR PIPE PENETRATIONS WITH FIRE SEALANT. SEAL EXTERIOR WALL PIPE PENETRATIONS WATER TIGHT.
- 52. CUT AND PATCH SURFACES, RESTORING ORIGINAL FINISHES.
- 53. ASTM E84 COMPLIANCE: INSULATION AND OTHER MATERIALS SHALL COMPLY WITH THE FLAME AND SMOKE SPREAD RATINGS.
- 54. SUBMITTALS, PRE-CONSTRUCTION: SUBMIT CATALOG CUT SHEETS OF PROPOSED EQUIPMENT FOR ENGINEER REVIEW AND APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- 55. SUBMITTALS, DURING CONSTRUCTIONS: SUBMIT COPIES OF PIPE ROUGH-IN PRESSURE TESTS AS COMPLETED.
- 56. SUBMITTALS, POST CONSTRUCTION: SUBMIT COPIES OF FINAL PRESSURE TEST, FLUSHING AND PLUMBING DISINFECTION REPORTS. SUBMIT COPIES OF COMPLETED MANUFACTURER START UP REPORTS FOR EQUIPMENT.
- 57. RECORD DRAWINGS; MAINTAIN A CURRENT SET OF MARKED UP CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES. PROVIDE A COMPLETE SET OF THESE RECORD MARK-UPS, OR AS-BUILT. 58. DRAWINGS TO THE ARCHITECT AT THE END OF THE PROJECT.
- 59. USE OF PIPE DOPE IS NOT ALLOWED.
- 60. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

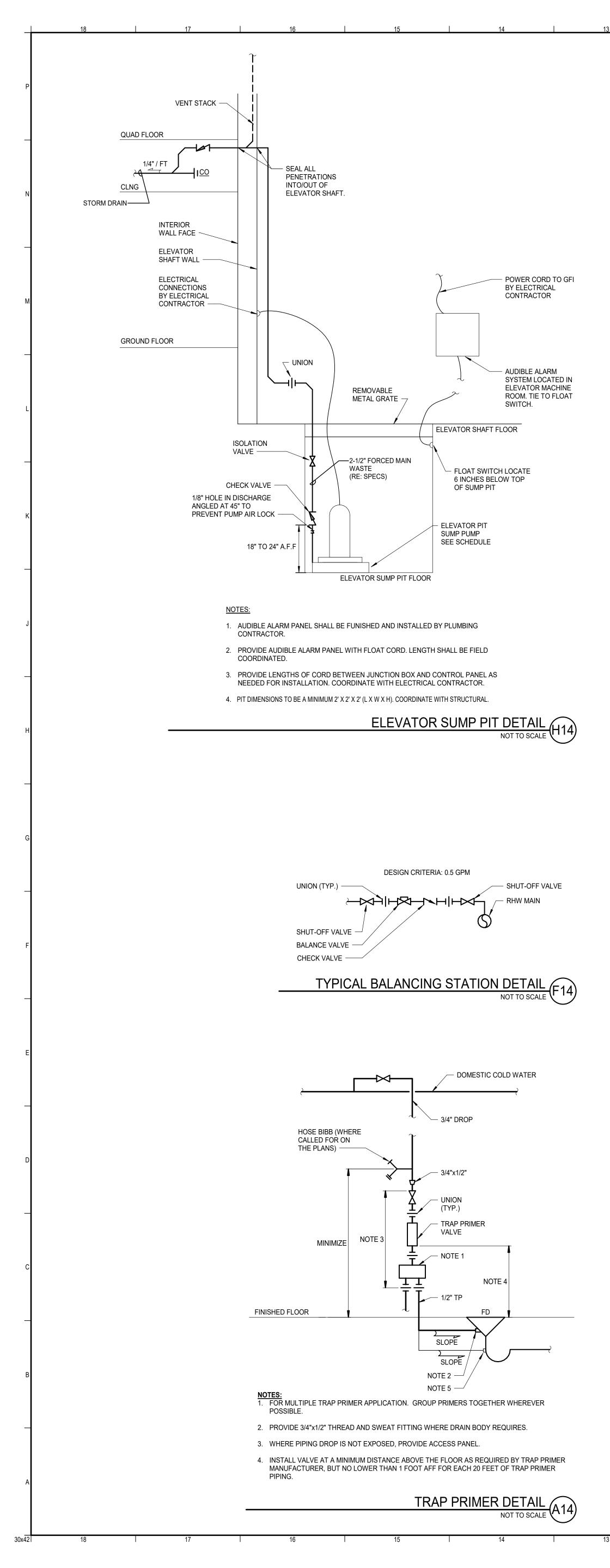


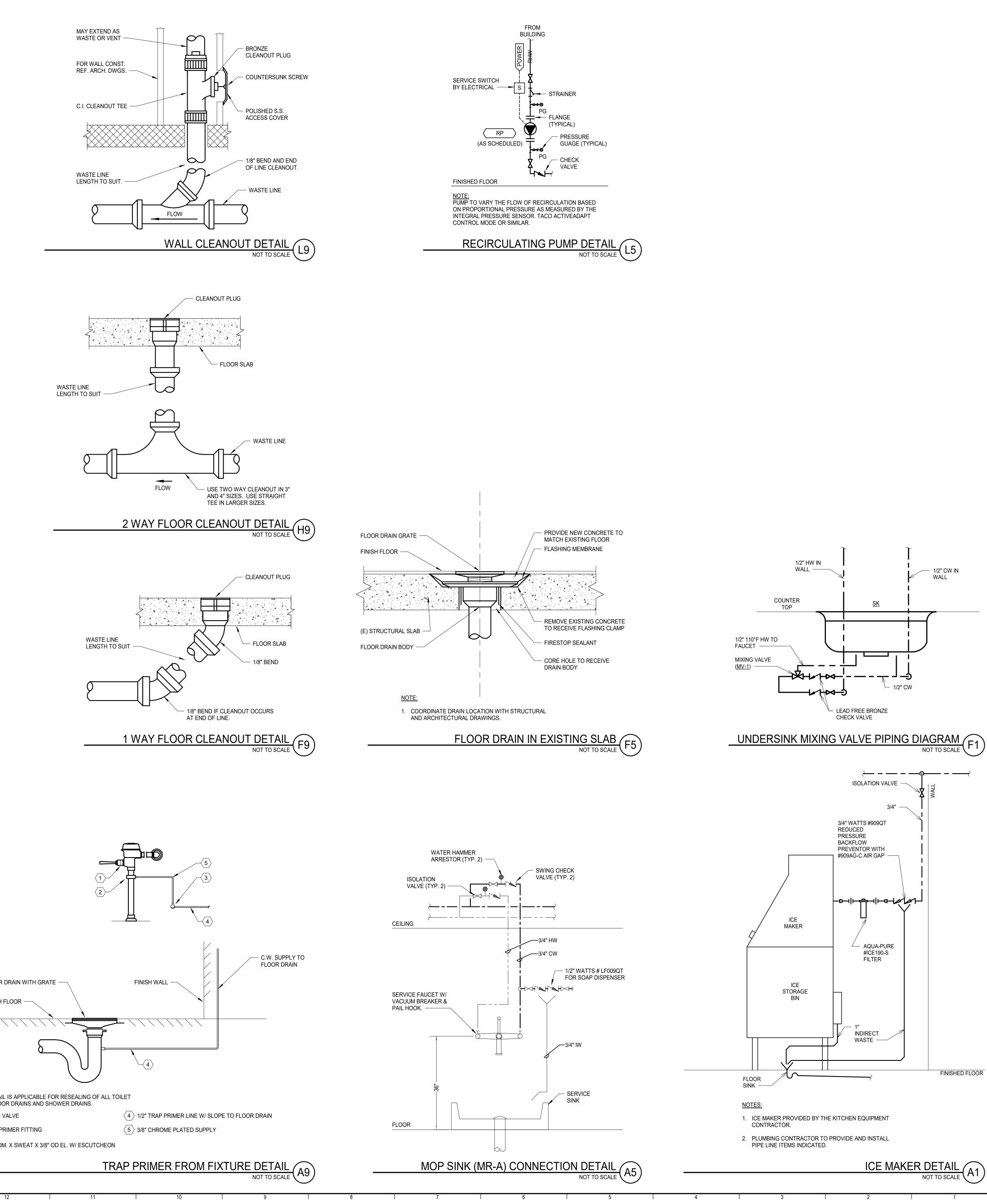
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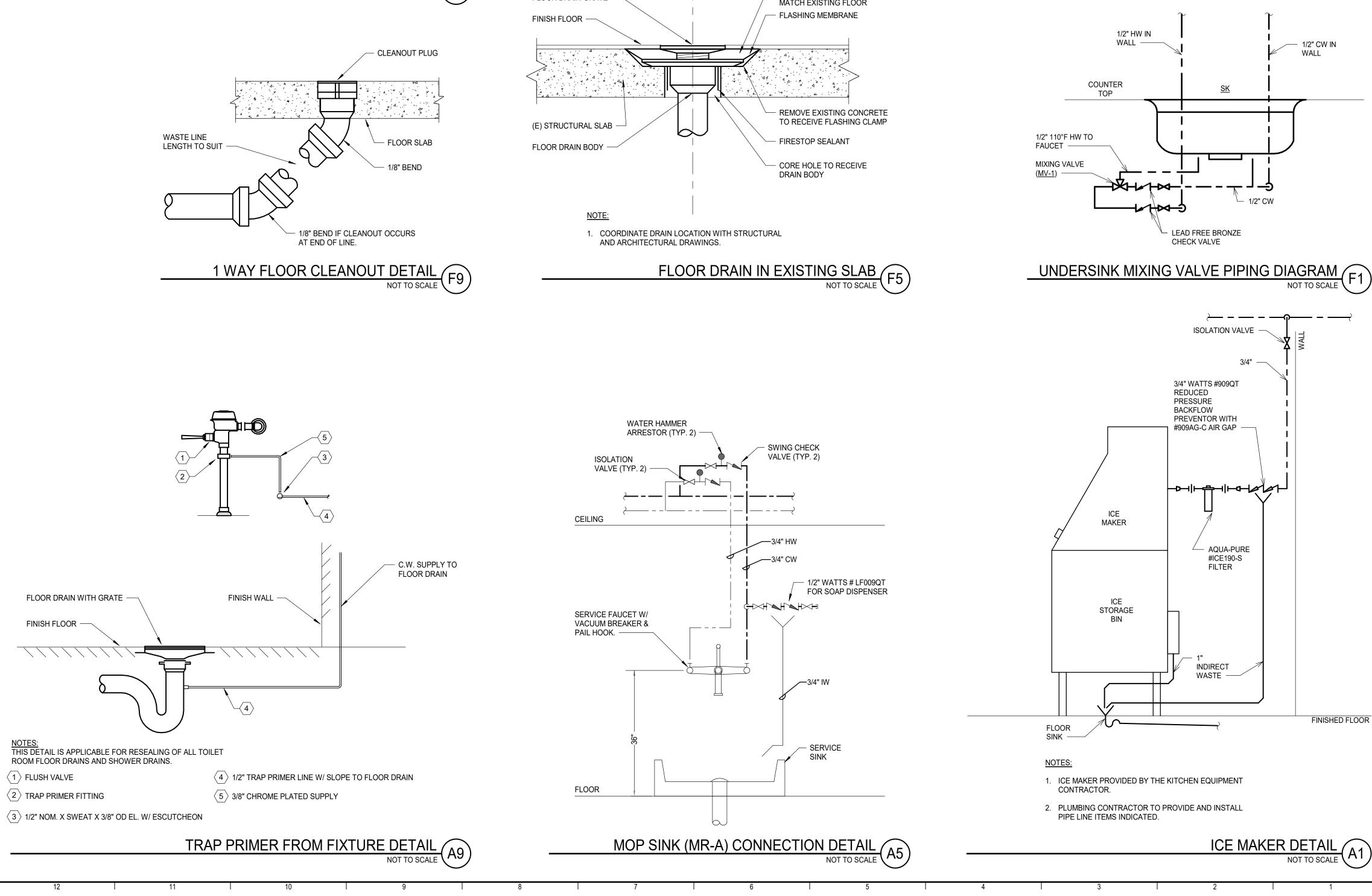












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01-26-24 CURRENT ISSUE STATUS:	D
Architecture - Engineering - Pionning	С
ASTICOU INN PLUMBING DETAILS	В
SHEET TITLE: 0" 1/4" 1/2" 1" 2" 3" 0 SCALE: AS NOTED PROJECT MANAGER: CDP PROJECT NO: 23082 A/E OF RECORD: CDD JOB CAPTAIN: LRG DRAWN BY: GNL SMRT FILE: P-502-23082 SMRT FILE: P-502-23082 SHEET No. ©COPYRIGHT 2018 SMRT INC.	A

NOTES:

GENERAL NOTES.

. SEE SHEETS P-001 AND P-002 FOR LEGEND AND

FIXTURE	CW	HW	TW	WASTE	VENT	NOTES
FLUSH TANK WATER CLOSET	1/2"	-	-	3"	2"	1, 2
LAVATORY	1/2"	1/2"	-	1-1/2"	1-1/2"	-
SINK	1/2"	1/2"	-	1-1/2"	1-1/2"	-
SHOWER/TUB	1/2"	1/2"	-	2"	1-1/2"	1
SERVICE SINK/ MOP RECEPTOR	3/4"	3/4"	-	3"	2"	1
FLOOR DRAIN	-	-	-	3"	2"	-
DRAIN WALL BOX	-	-	-	2"	1-1/2"	-
HOSE BIB	3/4"	-	-	-	-	-
WALL HYDRANT	3/4"	-	-	-	-	-
NOTES:	1. PROVIDE SHO	CK ABSORBER W	// ISOLATION VAL	VE ACCESSIBLE		1

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		DRA	AIN SCHEDULE	
TAG	DESCRIPTION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	
FD-A	FLOOR DRAIN	ZURN Z415B-P	FLOOR AND SHOWER DRAIN COATED CAST IRON BODY, ADJUSTABLE NICKEL BRONZE STRAINER	
FD-B	FLOOR DRAIN - FUNNEL	ZURN Z415E	9" DIA. ADJUSTABLE FLOOR DRAIN, COATED CAST IRON BODY, NICKEL BRONZE STRAINER WITH 4" DIAMETER FUNNEL	
IW-A	INDIRECT WASTE DRAIN WALL BOX	SIOUX CHIEF 696 SERIES	DRAINAGE OUTLET BOX WITH SECONDARY DRAINAGE FUNNEL	
WB-A	LAUNDRY WALL BOX	SIOUX CHIEF 696-G2313XF	DRAINAGE OUTLET BOX WITH 3/4" WATER OUTLETS W/ WATER HAMMER ARRESTORS.	
RD-A	ROOF DRAIN	ZURN #ZA163	15" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES AND DOUBLE TOP-SET DECK PLATE	
NOTES:	2. WHEN USED IN ROOMS OTHER THA 3. REFER TO ARCHITECTURAL ROOF F	N BATHROOMS PROVIDE PRECESION PLUMBING PRO PLAN FOR ROOF DRAIN LOCATIONS.	NN APPLICATION: PRECESION PLUMBING PRODUCTS #PO-500, #SS-8 SUPPLY TUBE DDUCTS #MPB-500 R FACE. REFER TO PLUMBING DRAWINGS FOR OVERFLOW DRAIN LOCATIONS.	& #Dl

				PLUMBING	PUMP SCH	EDULE			
TA 0	AG LOCATION SE		0.014			ELECTRICAL DATA	TYPICAL UNIT MANUF. &		
TAG	LOCATION	SERVICE	GPM	HD(FT.) -	HP	VOLTS/ PH	AMP	MODEL NO.	NOTES:
RP-1	MECHANICAL ROOM	DOMESTIC HOT WATER	5	14	1/5	120/1	<3	TACO 0034e	1, 2
ESP-1	ELEVATOR PIT	GROUND WATER	50	15	4/10	120/1	8.5	ZOELLER 940-0012	3, 4
NOTES:	3. OIL-GUARD PUMP SYS	P SHALL BE SET IN CON TEM.				I THE SYSTEM (TACO ACTI I. COORDINATE WITH ELEC	,	CTOR.	

		Pl
TAG	APPLICATION	
WH-A	WALL HYDRANT	
HB-A	HOSE BIBB UNFINISHED SPACES	
NOTES:		

			LAV-A	LAVATORY	KOHLE
INIT MANUF. & Del No.	NOTES:		LAV-B	LAVATORY - ADA	KOHLER
ACO 034e					
ELLER 3, 4			LAV-C	LAVATORY- MULTI-USER	
			SK-A	BAR SINK- IN ROOM	ELKAY #
			SK-B	BAR SINK- BAR	ELKAY
		7	SK-C	BAR SINK- HANDWASH	ELKAY #
TRAP NOTES		_	SH-A	SHOWER- 5'	REFER
-	1		SH-B	SHOWER- 4'	REFER
-	1				
-	-		SH-C	SHOWER-ADA	AQUATIO WITH (
-			BT-A	BATHTUB	KOHLE
-	3, 4				
& #DU-2, 3 OR 4 DIS	TRIBUTION UNIT		MR-A	MOP RECEPTOR	FIAT #M
			NOTES:	1. TRUEBRO #10 E-Z HANDI LAV-GUARD IN 2. INCLUDE 1" STAINLESS STEEL CURTAIN 3. TRIP LEVER SHALL BE LOCATED ON ACC	ROD, WEI

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TAG

PET-1

TAG

WC-A

WC-B

NOTES:

DESCRIPTION

FLOOR-MOUNTED WATER CLOSET-ADA

FLOOR-MOUNTED WATER CLOSET-ADA

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NT	ZURN #Z-1300-CL-WC-PB	FREEZE RESISTANT, AUTOMATIC DRAINING, CYLINDER LOCK, WALL CLAMP, POLISHED BRONZE WALL PLATE, 3/4" WATER CONNECTION	-
ED SPACES	CHICAGO FAUCETS #998	INTEGRAL VACUUM BREAKER, LOOSE KEY, ROUGH CHROME PLATED, 3/4" WATER CONNECTION	-

PLUMBING SPECIALTIES SCHEDULE							
	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES				
	ZURN #Z-1300-CL-WC-PB	FREEZE RESISTANT, AUTOMATIC DRAINING, CYLINDER LOCK, WALL CLAMP, POLISHED BRONZE WALL PLATE, 3/4" WATER CONNECTION	-				
	CHICAGO FAUCETS #998	INTEGRAL VACUUM BREAKER, LOOSE KEY, ROUGH CHROME PLATED, 3/4" WATER CONNECTION	-				

MIXING VALVE SCHEDULE									
			DESIGN FLOW(GPM)	OUTLET TEMP. SET POINT DEG. F	MAX. PRESS. DROP @ DESIGN FLOW (PSI)	INLETS (IN)		TYPICAL UNIT MFG & MODEL NO.	NOTES
MV-1	DOM. HW SYSTEM	0.25	38	120	5	1	1-1/4	LEONARD #PNV-125-LF	1,2

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	INDIRECT HOT WATER TANK SCHEDULE												
TAG	LOCATION	SERVED	CW INLET	HW INLET	CAPACITY (GAL)	RECOVERY RATE (GPH)	TANK SETPOINT (°F)	FLOW (GPM)	EWT FROM BOILER (°F)	HEIGHT / DIAMETER (IN.)	MATERIAL TYPE	TYPICAL UNIT MFG & MODEL NO.	NOTES:
T-1	MECHANICAL ROOM	DOMESTIC HOT WATER	1-1/2"	1-1/2"	119	334	140	14	180	74" / 27"	316L STAINLESS STEEL	HTP SSU-119N	1-2
NOTES:	NOTES:       1. PROVIDE EACH TANK WITH TEMPERATURE SENSOR CONTROLLED VIA NEW BOILERS.         2. PROVIDE TEMPERATURE AND RELIEF VALVE.												

EXPANSION TANK SCHEDULE								
LOCATION	SERVED	TANK VOLUME (GAL.)	ACCEPT. VOLUME (GAL.)	DIA (IN.)	HEIGHT (IN.)	WEIGHT FULL (LBS.)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
MECHANICAL ROOM	DOMESTIC HOT WATER	6.4	3.2	12	18	52	AMTROL "THERM-X-TROL" #ST-12C-DD	1

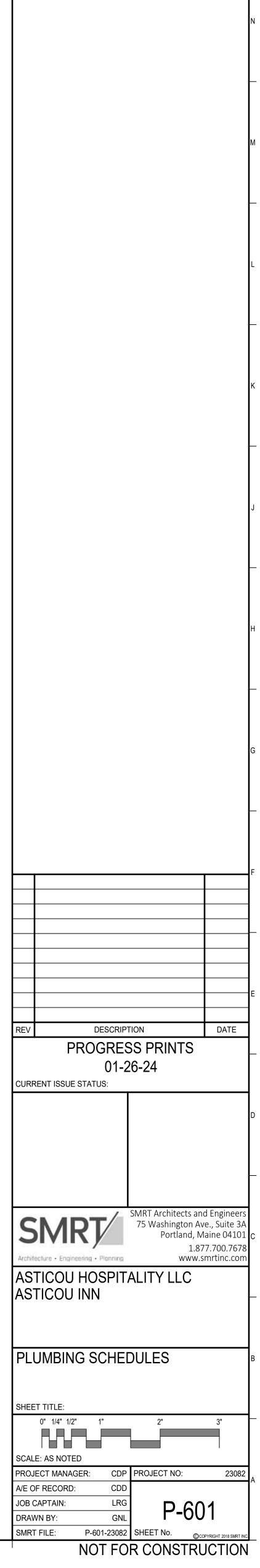
FIXTURE	FAUCET/DRAIN	TRIM	SUPPORT	NOTES
KOHLER #K-3817 VITREOUS CHINA, PRESSURE-ASSISTED TANK TYPE, ELONGATED BOWL, 16-1/2" RIM HEIGHT,1.28 GPF, ADA COMPLIANT.	-	CHURCH #9500 SSC SEAT - WHITE, MCGUIRE LOOSE KEY ANGLE STOP, ESCUTCHEON CHROME PLATED	-	3
KOHLER #K-3817 VITREOUS CHINA, PRESSURE-ASSISTED TANK TYPE, ELONGATED BOWL, 16-1/2" RIM HEIGHT,1.28 GPF, ADA COMPLIANT.	-	CHURCH #9500 SSC SEAT - WHITE, MCGUIRE LOOSE KEY ANGLE STOP, ESCUTCHEON CHROME PLATED	-	3
KOHLER K-2339, VITREOUS CHINA, 21"x17", UNDERMOUNT.	KOHLER K-454-4V MANUAL FAUCET WITH 0.5 GPM AERATOR -	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
KOHLER PINOIR K-2035-4 WALL MOUNT LAVATORY AND WHITE VITREOUS CHINA	KOHLER K-454-4V MANUAL FAUCET WITH 0.5 GPM AERATOR - GRID DRAIN, MCQUIRE #8912 P-TRAP	KOHLER K-2057 SHROUD, MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS CHROME PLATED	ZURN #Z-1231	-
BRADLEY EXPRESS LAVATORY SYSTEM TLX-4	BRADLEY SYSTEM INCLUDES 4 SENSOR FAUCETS WITH 0.5 GPM AERATOR AND SOAP DISPENSERS - ADA COMPLIANT	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
ELKAY #ELUH129DBG, 14-1/2" x 12" x 7" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3032CR FAUCET, ELKAY #LK36 DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	-
ELKAY #ECTRU21179TFCC, 22-1/2" x 18-1/2" x 9" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3031CR FAUCET, ELKAY #LKDD DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
ELKAY #ELUH129DBG, 14-1/2" x 12" x 7" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3032CR FAUCET, ELKAY #LK36 DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
REFER TO ARCHITRUAL PLANS FOR TILE BASE, ZURN 415N SHOWER DRAIN	KOHLER K-TS462-4V SHOWER TRIM, K-45409 1.75 GPM SHOWER HEAD AND KOHLER RITE TEMP SHOWER VALVE WITH SERVICE STOPS	-	-	2
REFER TO ARCHITRUAL PLANS FOR TILE BASE, ZURN 415N SHOWER DRAIN	KOHLER K-TS462-4V SHOWER TRIM, K-45409 1.75 GPM SHOWER HEAD AND KOHLER RITE TEMP SHOWER VALVE WITH SERVICE STOPS	-	-	-
AQUATIC F6032APAN, ACRYLIC SHOWER PAN, 60"X31", WHITE WITH CENTER DRAIN, INCLUDE GRAB BARS AND FOLD-UP SEAT	SYMMONS 9603-PLR, 1.5 GPM HANDHELD SHOWER HAND WITH 60" HOSE AND 36" GRAB BAR, TEMPTROL SHOWER VALVE - ADA COMPLIANT	-	-	2
KOHLER K-8333, CAST RESIN FREESTANDING TUB, 66"X37", WHITE WITH CENTER DRAIN	KOHLER K-T97331-4 FLOOR MOUNTED TUB FILLER WITH HAND SHOWER, KOHLER K-97339 MOUNTING BLOCK	-		-
FIAT #MSB 2424 MOLDED STONE SERVICE BASIN, 24"x24"x10" DEEP, #MSG 2424 WALL GUARDS.	FIAT 830-AA SERVICE SINK FAUCET	FIAT #832-AA HOSE AND BRACKET, #889-CC MOP HANGER, STAINLESS STEEL BUMPERGUARDS AND WALL GUARDS	-	-

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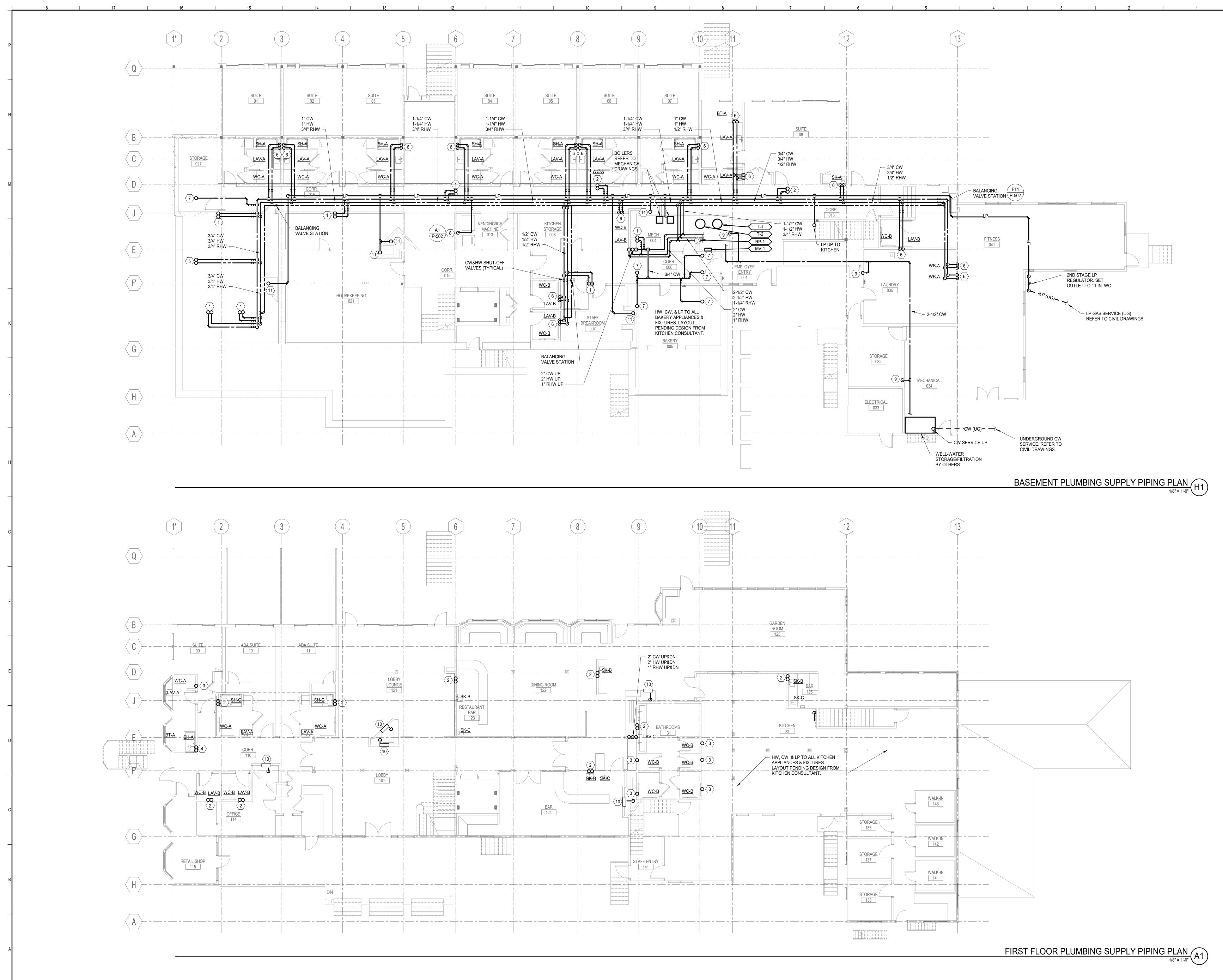
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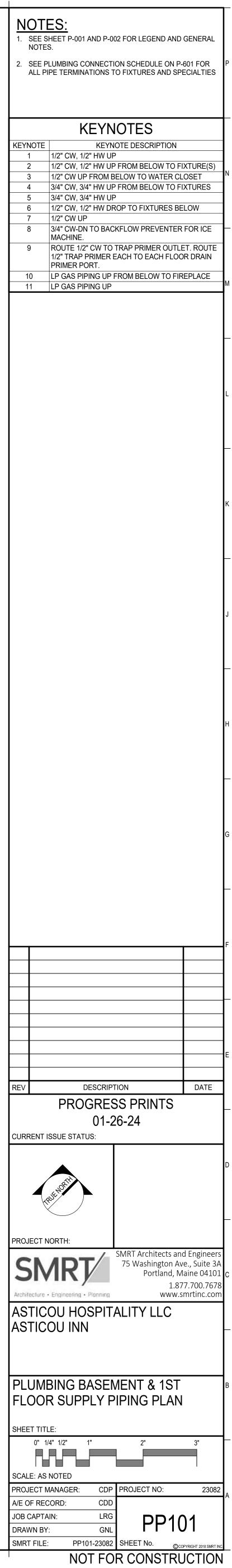
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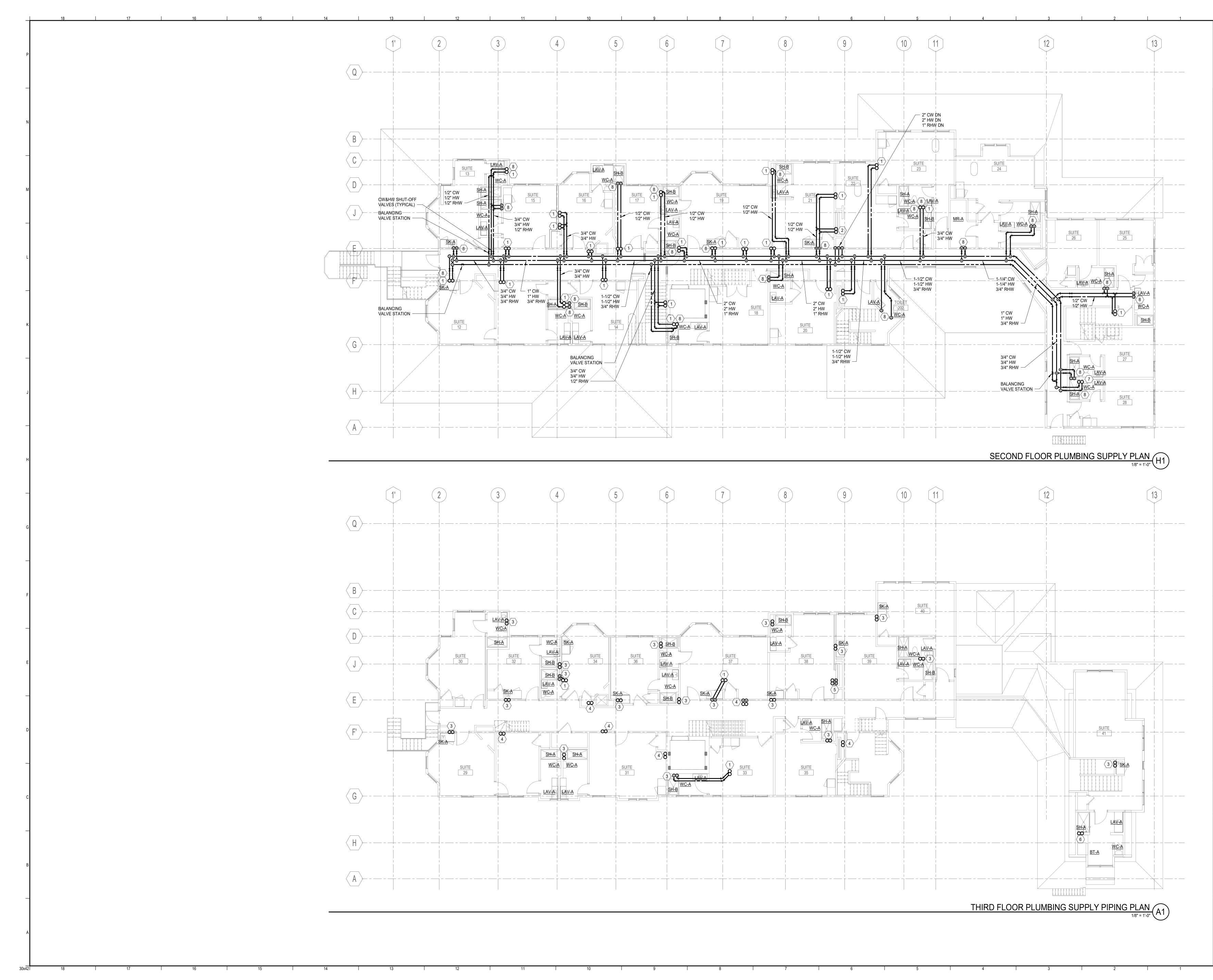
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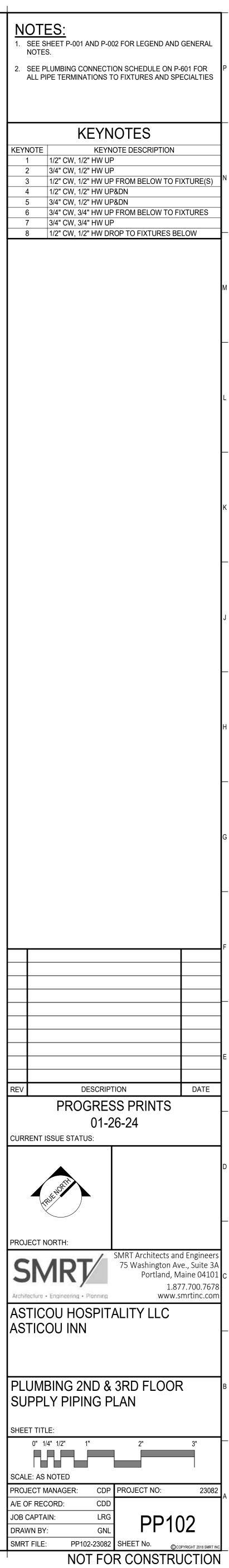


NOTES: 1. SEE SHEETS P-001 AND P-002 FOR LEGEND AND GENERAL NOTES.

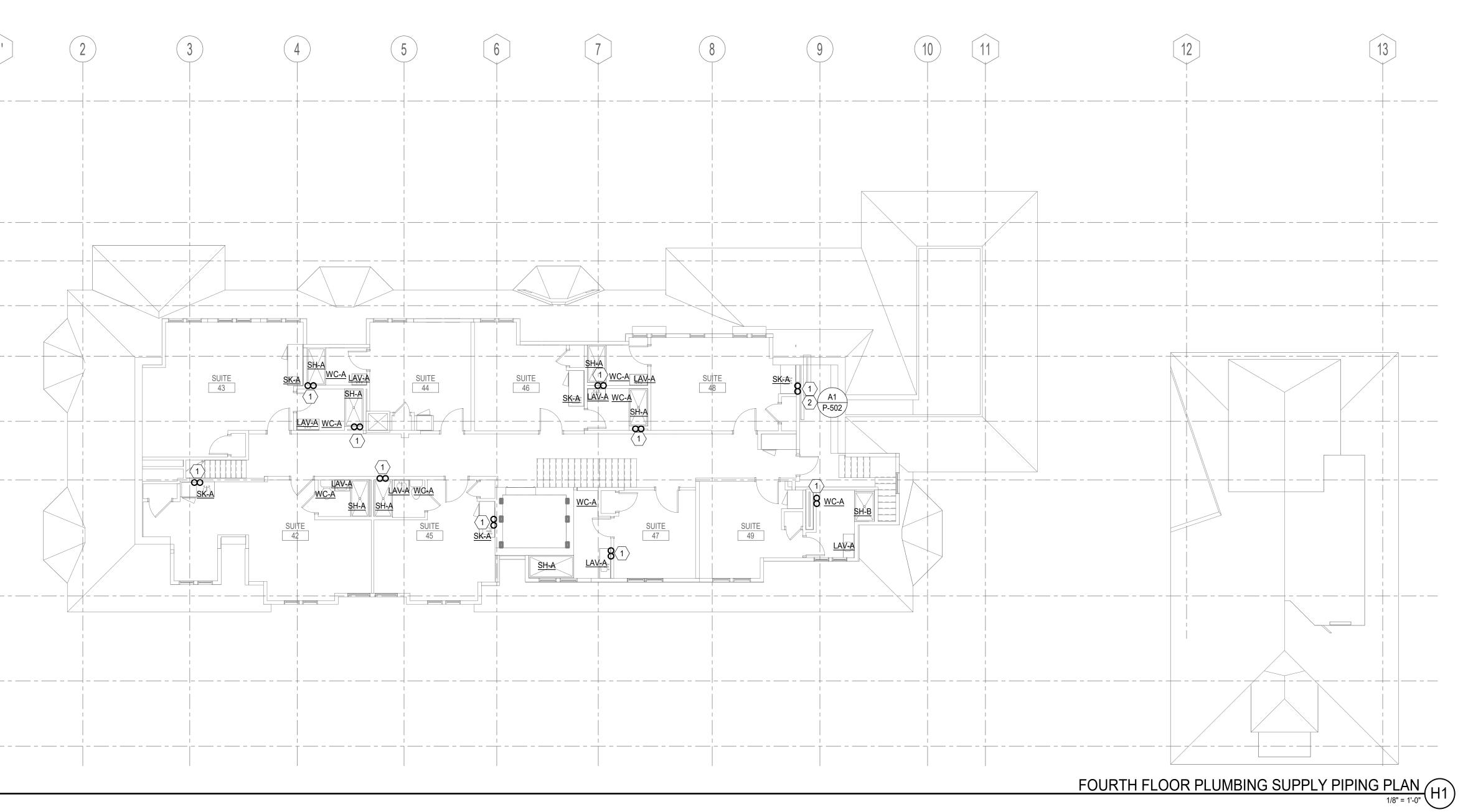


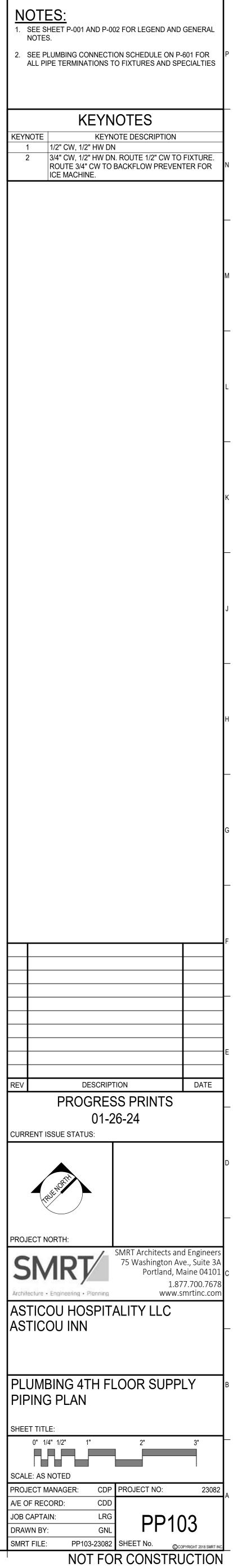






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### **PIPING SYMBOLS**

	FLEXIBLE PIPE CONNECTOR     EXPANSION JOINT
PIPE GUIDE OR SLEEVES     PIPE ELBOW TURNED DOWN	ECCENTRIC REDUCER/INCREASER
PIPE ELBOW TURNED DOWN	HB HOSE BIBB
	DIRECTION OF FLOW
O PIPE RISER	<b>&gt;</b>
O FCO FLOOR CLEAN OUT	FIRE DEPARTMENT CONNECTION
CO CLEAN OUT	PUMP
WCO WALL CLEAN OUT	
PIPE PITCHES DOWN	WATER HAMMER SUPPRESSER
	H YYYY HUMIDIFIER
SPECIFICATIONS FOR TYPE GATE VALVE	DP DIFFERENTIAL PRESSURE TRANSMITT
	SPRINKLER HEAD
	GAS TURRET
2-WAY CONTROL VALVE	MEDICAL OXYGEN OUTLET
3-WAY CONTROL VALVE	MEDICAL VACUUM INLET
BALANCING VALVE (CIRCUIT SETTER)	MEDICAL AIR OUTLET
	NITROUS OXIDE OUTLET
	NITROGEN OUTLET
GLOBE VALVE	WASTE ANESTHESIA GAS DISPOSAL IN
	CARBON DIOXIDE OUTLET
BACK FLOW PREVENTER	INSTRUMENT AIR OUTLET
	DISS TYPE OXYGEN OUTLET
PRESSURE REDUCING OR	DISS TYPE VACUUM INLET
REGULATING VALVE	DISS TYPE MEDICAL AIR OUTLET
	DISS TYPE NITROUS OXIDE OUTLET
	DISS TYPE NITROGEN OUTLET
	DISS TYPE WASTE ANESTHESIA GAS D
	DISS TYPE CARBON DIOXIDE OUTLET
	DISS TYPE INSTRUMENT AIR OUTLET
FLOW SWITCH	
<b>P</b> G	
PRESSURE GAUGE AND COCK	GENERAL SYMBOLS
TEMPERATURE & PRESSURE TAP (PETE'S PLUG)	LIMITS OF DEMOLITION
HOSE END DRAIN VALVE WITH CAP	CONNECT TO EXISTING
PIPE ELBOW TURNED DOWN - VALVE IN VERTICAL	EQUIPMENT ABBREVIATION (DWH=DOMESTIC
PIPE ELBOW TURNED UP - VALVE IN VERTICAL	
Δ	DWH-1 EQUIPMENT TAG

## PIPING SYSTEMS

AV ACID VENT	GWS - GRAY WATER SUPPLY	NO2 NITROUS OXIDE		INDICATES DUCT, PIPING,
AD ACID DRAIN	GWR GRAY WATER RETURN	- NEG. SOLV NEGATIVE SOLVENT DRAIN		EQUIPMENT TO BE REMOVED.
AD - ACID DRAIN (BELOW SLAB)	H HYDROGEN			DOMESTIC HOT WATER (TEMP DEG F)
BREATHING AIR	H202 HYDROGEN PEROXIDE	O2 OXYGEN	RHW (# DEG F)	RECIRC. DOMESTIC HOT WATER (TEMP DEG F)
CA COMPRESSED AIR / SERVICE AIR	HCV HOUSE CLEAN VACUUM	OFA OIL FREE COMPRESSED AIR		TEPID WATER (65 - 80 DEG F)
(FM) CD FORCED MAIN CONDENSATE DRA	IN — HCVE— HOUSE CLEAN VACUUM EXHAUST	PD PUMPED DISCHARGE	CW	DOMESTIC COLD WATER
CD CONDENSATE DRAIN	— — IA — — INSTRUMENT AIR	PCWS PROCESS COOLING WATER SUPPLY	——————————————————————————————————————	DOMESTIC HOT WATER
	IAD ISOPROPYL ALCOHOL DRAIN	PCWR - PROCESS COOLING WATER RETURN		RECIRCULATED DOMESTIC HOT WATER
CO2 CARBON DIOXIDE	— — INW — — INDUSTRIAL WASTE		————(FM) S, W, IW or KW————	FORCED MAIN SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE
DISTRIBUTION VALVE BOX	INWV - INDUSTRIAL WASTE VENT	PHWR - PROCESS HOT WATER RETURN		SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE
DIS      DEIONIZED WATER SUPPLY	- LN2 - LIQUIFIED NITROGEN	- POS SOLV - POSITIVE SOLVENT DRAIN	——————————————————————————————————————	SANITARY, W WASTE, INDIRECT WASTE & KW KITCHEN WASTE (EXIST.)
DIR DEIONIZED WATER RETURN	LIQUID PROPANE GAS	PW POTABLE WATER	S, W or KW	SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
ECWS EMERGENCY CITY WATER SUPPL	Y —LP (# PSIG) — HIGH PRESSURE LIQUID PROPANE GAS	R RELIEF LINE	S, W or KW	SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
ECWR EMERGENCY CITY WATER RETUR	N MA MEDICAL AIR		SD	STORM DRAIN
EKCD EKC DRAIN	MV MEDICAL VACUUM		SD	STORM DRAIN (EXIST.)
ESEW EYEWASH	MVE - MEDICAL VACUUM EXHAUST		SD	STORM DRAIN (BELOW SLAB)
FW - FLUORIDE WASTE	N2NP NON-PROCESS NITROGEN	SPKSPRINKLER	SD	STORM DRAIN (BELOW SLAB-EXIST.)
FWV - FLUORIDE WASTE VENT	N2 NITROGEN		v	SANITARY VENT
GLY GLY GLYCOL	NG NATURAL GAS		V	SANITARY VENT (EXIST.)
GAS VENT			V	SANITARY VENT (BELOW SLAB)
			T V	SANITARY VENT (BELOW SLAB-EXIST.)
		ZONE VALVE BOX		

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8

## ABBREVIATIONS

- ORIFICE FLOWMETER	AAV AL	UTOMATIC AIR VENT	CW-P	DOUBLE CONTAINED	н	HUMIDIFIER	N2G	NITROGEN GENERATORS	SP	SUMP PUMP
- FLEXIBLE PIPE CONNECTOR	AC AI	IR CONDITIONING UNIT	DC	CITY WATER-PROCESS	HC	HEALTH CARE / HAND WASH SINK	Р	PUMP	SS	STAINLESS STEEL
EXPANSION JOINT     CONCENTRIC REDUCER/INCREASER	ACM AI	IR COMPRESSOR	DCO	DANDY CLEANOUT	HB	HOSE BIB	PAS	PROCESS AIR SEPARATOR	SSK	SOILED SERVICE SINK
ECCENTRIC REDUCER/INCREASER	AD AC	CCESS DOOR	DDC	DIRECT DIGITAL CONTROL	HP	HEAT PUMP	PCH	PROCESS CHILLER	ST	STORAGE TANK
HB HOSE BIBB	AFF AE	BOVE FINISHED FLOOR	DF	DRINKING FOUNTAIN	HRU	HEAT RECOVERY UNIT	PET	THERMAL EXPANSION TANK	Т	TANK
VH WALL HYDRANT	AHU AI	IR HANDLING UNIT	DIA	DIAMETER	HTR	HEATER	PF	PROCESS FILTER	TD	TRENCH DRAIN
- DIRECTION OF FLOW	ATC AL	UTOMATIC TEMPERATURE CONTROL	DIC	DOWN IN CHASE	H & V	HEATING AND VENTILATION	PP	PROCESS PUMP	TE	TEMPERATURIZED ELEMENT (SENSOR)
FIRE DEPARTMENT CONNECTION	AV AI	IR VENT	DIRO	DIALYSIS PURIFIED WATER	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PPE	PRE PURCHASED EQUIPMENT	TOP	TOP OF PIPE
	BA BF	REATHING COMPRESSED AIR	DIW	DOWN IN WALL	HW	HOT WATER	PRS	PRESSURE REDUCING STATION	TTS	TIGHT TO STEEL
- PUMP	BFP BA	ACKFLOW PREVENTER	DN	DOWN	HX	HEAT EXCHANGER	PRV	PRESSURE REDUCING VALVE	TYP	TYPICAL
	BLDG BL	UILDING	DS	DOWNSPOUT	IAC	INSTRUMENT AIR CONTROL PANEL	PSIG	POUNDS PER SQUARE INCH (PRESSURE)	UIC	UP IN CHASE
WATER HAMMER SUPPRESSER	BOD BO	OTTOM OF DUCT	DT	DROP AND TRANSITION	IE	ION EXCHANGE UNIT	PWS	POWER WASHING UNIT	UIW	UP IN WALL
	BOP BO	OTTOM OF PIPE	DTV	DRAIN TEMPERING VALVE	INT	INTERCEPTOR	RAH	RECIRCULATING AIR HANDLING UNIT	UR	URINAL
DIFFERENTIAL PRESSURE TRANSMITTER	BP BC	OOSTER PUMP	DWG	DRAWING	IN WG	INCHES WATER GAUGE	(R)	REMOVE	UV	ULTRAVIOLET FILTER
SPRINKLER HEAD	BT BA	ATHING TUB	DWH	DOMESTIC WATER HEATER	LAV	LAVATORY	(REL)	RELOCATED	VB	VACUUM BREAKER
GAS TURRET	BTU BF	RITISH THERMAL UNIT	DWV	DRAINAGE, WASTE & VENT	L.P.C.	LIMIT OF PLUMBING CONTRACT	RD	ROOF DRAIN	VAC	VACUUM PUMP
MEDICAL OXYGEN OUTLET	BW BC	OOT WASH	EE	EMERGENCY EQUIPMENT	MAC	MEDICAL AIR COMPRESSOR	RHC	REHEAT COIL	VTR	VENT THRU ROOF
MEDICAL VACUUM INLET	CAD CO	OMPRESSED AIR DRYER	ENC	ENCLOSURE	MAU	MAKE UP AIR UNIT	RM	ROOM	VCFF	VALVED AND CAPPED FOR FUTURE
MEDICAL AIR OUTLET	CAF CO	OMPRESSED AIR FILTER	(E)	EXISTING	MAX	MAXIMUM	RO	REVERSE OSMOSIS UNIT	VFD	VARIABLE FREQUENCY DRIVE
NITROUS OXIDE OUTLET	CC CC	OOLING COIL	ESP	ELEVATOR SUMP PUMP	MBH	1000 BTU/HR.	RP	RECIRCULATING PUMP	VOC	VOLATILE ORGANIC COMPOUNDS
	CFF CA	APPED FOR FUTURE	EXIST.	EXISTING	ME	MECHANICAL ENGINEER	RPZ	REDUCED PRESSURE ZONE BFP	W/	WITH
WASTE ANESTHESIA GAS DISPOSAL INLET CARBON DIOXIDE OUTLET	CFH CI	UBIC FEET PER HOUR	EWC	ELECTRIC WATER COOLER	MFR	MANUFACTURER	RTU	ROOF TOP AIR HANDLING UNIT	WAGD	WASTE ANESTHESIA GAS DISPOSAL PUMP
INSTRUMENT AIR OUTLET	СН СІ	HILLER	F	FILTER	MGAP	MEDICAL GAS ALARM PANEL	RV	RELIEF VALVE	WB	WALL BOX
DISS TYPE OXYGEN OUTLET	CLG CE	EILING	FBO	FURNISHED BY OWNER	MIN	MINIMUM	RWP	RAIN WATER PUMP	WC	WATER CLOSET
DISS TYPE VACUUM INLET		LEANOUT	FC	FLEXIBLE CONNECTION	MP	MACERATING SANITARY EJECTOR PUMP	SCV	SELF CONTAINED VALVE	WC/LAV	COMBINATION WATER CLOSET AND LAVATORY UNIT
DISS TYPE MEDICAL AIR OUTLET		ONTINUATION	FCO	FLOOR CLEANOUT	MPV	MULTI-PURPOSE VALVE	SG	STEAM GENERATOR	WCO	WALL CLEANOUT
DISS TYPE NITROUS OXIDE OUTLET		OORDINATE	FCU	FAN COIL UNIT	MR	MOP RECEPTOR	SH	SHOWER	WP	SANITARY WASTE EJECTOR PUMP
DISS TYPE NITROGEN OUTLET		ONDENSATE PUMP	FD	FLOOR DRAIN	MTD	MOUNTED	SK	SINK	W&T	WASTE AND TRAP
DISS TYPE WASTE ANESTHESIA GAS DISPOSAL INLET		ENTRAL STERILE PROCESS WATER	FG	FIBERGLASS	MUA	MAKE-UP AIR UNIT	SOLC	SOLAR COLLECTOR PANEL	WH	WALL HYDRANT
DISS TYPE CARBON DIOXIDE OUTLET		ONNECT TO EXISTING	FRHB	FREEZE RESISTANT HOSE BIBB	MUA	MAKE UP AIR	SOLDT	SOLAR DRAIN-BACK TANK	WS	WATER SOFTENER
DISS TYPE INSTRUMENT AIR OUTLET		OOLING TOWER	FS	FLOOR SINK	MV	MIXING VALVE	SOLP	SOLAR WATER PUMP	ZVB	ZONE VALVE BOX
		OPPER	GC	GENERAL CONTRACTOR	MVP	MEDICAL VACUUM	SOLPET	SOLAR THERMAL EXPANSION TANK	2.0	
		ONTROL VALVE	GPM	GALLONS PER MINUTE	NCP	NITROGEN CONTROL PANEL	SOLT	SOLAR STORAGE TANK		
LSYMBOLS		OLD WATER	GT	GREASE TRAP / INTERCEPTOR	NPW	NON-POTABLE WATER	SOLWH	SOLAR HOT WATER HEATER		
			01	GREACE THAT / INTERCEPTOR	NTO		SOLVII			

NTS NOT TO SCALE

### - EQUIPMENT ABBREVIATION (DWH=DOMESTIC WATER HEATER)

A1 - DETAIL NO. PL501 - SHEET NO. WHERE DETAIL IS LOCATED

(1)------ KEYED NOTE

PROCESS INSTRUMENTATION SYMBOLS

PRESSURE REGULATING VALVE
PRESSURE SUSTAINING VALVE
PRESSURE REGULATING VALVE W/ INLET/OUTLET GAUGES ROTAMETER / FLOWMETER
FIELD MOUNT INSTRUMENT
PANEL OR PANEL MOUNT INSTRUMENT
PRESSURE INDICATOR (GAUGE)
VACUUM INDICATOR (GAUGE)
TEMPERATURE INDICATOR (GAUGE)
FLOW INDICATOR (GAUGE)
GAUGE ISOLATOR

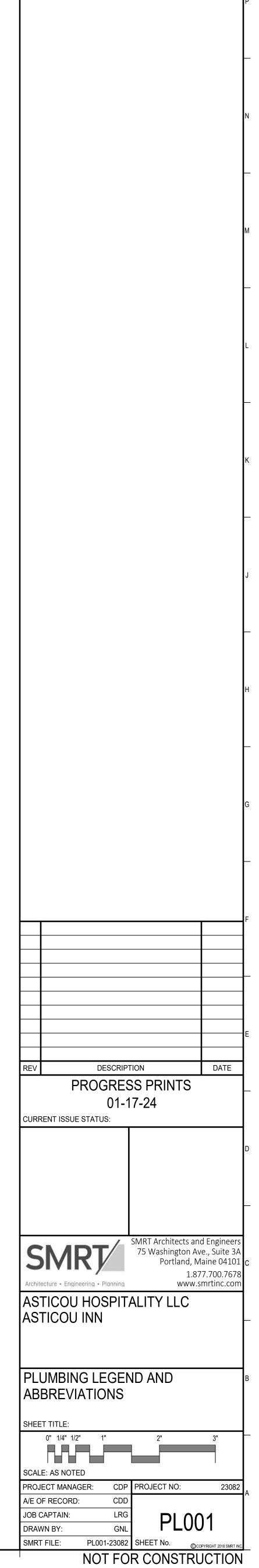
### VALVE TAG KEY

$\bigcirc$
AW- UTILITY
A01BRANCH VALVE
AREA

<u>GENERAL NOTE</u>

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

2



## PLUMBING GENERAL NOTES:

- 1. ALL PLUMBING GENERAL NOTES, SYMBOLS, LISTS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT.
- 2. OBTAIN ALL PERMITS AND APPROVALS TO PERFORM THE WORK.
- 3. PLUMBING CONTRACTOR SHALL REPORT ASBESTOS TO GENERAL CONTRACTOR. 4. SAFETY CONFINED SPACE WORK: THE CONTRACTOR IS RESPONSIBLE TO PROVIDE
- TEMPORARY LIGHTING, VENTILATION, EMERGENCY EXTRACTION EQUIPMENT, ETC. FOR ALL WORK WITHIN CONFINED SPACE (IF APPLICABLE). ALL CONFINED SPACE ENTRY SHALL BE COORDINATED WITH OWNER AND COMPLETED PER OSHA GUIDELINES.
- 5. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXISTING AND NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEM. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
- 6. THE CONTRACTOR SHALL VISIT THE SITE, BECOME FAMILIAR WITH THE EXISTING FIELD CONDITIONS, AND MAKE THEIR OWN ESTIMATE OF THE DIFFICULTIES IN EXECUTING THE WORK PRIOR TO SUBMITTING ITS BID. NO COMPENSATION WILL BE AWARDED TO THE CONTRACTOR BASED ON A CLAIM OF LACK OF KNOWLEDGE OF EXISTING FIELD CONDITIONS.
- 7. REVIEW PROTOCOL AND PROCEDURES WITH FACILITY OWNERS AND OPERATORS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BUILDING OWNER'S PROTOCOL AND PROCEDURES BY ITS EMPLOYEES AND SUB-CONTRACTORS.
- 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, THE ACCEPTED PLUMBING CODE WITH STATE AMENDMENTS, THE AHJ, AND THE LOCAL PLUMBING INSPECTOR.
- 9. IF REQUIRED THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
- 10. CONTRACTOR IS TO MAINTAIN SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE. IF INTERRUPTION OF SERVICE IS REQUIRED COORDINATE SHUTDOWN WITH PROJECT ENGINEER AND OWNER. 11. THE CONTRACTOR SHALL VERIFY SHUTDOWN AND ISOLATION VALVE LOCATIONS. THE
- CONTRACTOR SHALL COORDINATE ALL SHUTDOWN WORK WITH THE FACILITY OWNER AND OPERATOR. 12. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND
- SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- 13. WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS. 14. PIPING AND EQUIPMENT ARE NOT COMPLETELY DETAILED ON THE DIAGRAMS AND
- ELEVATIONS PROVIDED ON THE DRAWINGS ARE APPROXIMATE. THE DISTRIBUTION IS INTENDED AS A GENERAL ROUTING ONLY, BUT DOES ILLUSTRATE THE DESIRED LOCATION. THE CONTRACTOR SHALL AVOID INTERFERENCES WITH OTHER EQUIPMENT AND THE WORK OF OTHER DISCIPLINES.
- 15. NOT ALL VALVES, INSTRUMENTS AND CONTROLS ARE SHOWN IN THE PLAN VIEWS. INSTALL PIPING AND VALVES AS SHOWN ON PIPING DIAGRAMS AND DETAILS. SEE DETAILS, PIPING DIAGRAMS AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL VALVES & FITTINGS NECESSARY FOR COMPLETE PIPING SYSTEM.
- 16. DRAWINGS OF REVISED PIPING ARRANGEMENTS SHALL BE SUBMITTED IF ITEMS ARE NOT SHOWN ON THE DRAWINGS. REVISIONS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE CHANGES.
- 17. COORDINATE REMOVALS AND RELOCATION'S INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL CONTRACTORS.
- 18. MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE UTILITIES PENETRATIONS TO BE SEALED, SEE ARCHITECTURAL DRAWINGS FOR PARTITION HEIGHTS. DUCTWORK SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.

- 19. FIELD VERIFY EXISTING EQUIPMENT AND PIPING PRIOR TO REMOVAL OR REUSE. CONFIRM WITH PROJECT ENGINEER THAT ALL EQUIPMENT AND PIPING DESIGNATED TO BE REMOVED IS NO LONGER IN SERVICE PRIOR TO ITS REMOVAL. PROJECT ENGINEER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMO'D EQUIPMENT.
- 20. EXISTING EQUIPMENT AND PIPING TO REMAIN IN SERVICE SHALL BE INSPECTED. REPORT INOPERABLE EQUIPMENT TO PROJECT ENGINEER.
- 21. ALL UNUSED (ABANDONED), PIPING AND EQUIPMENT INDICATED TO BE REMOVED SHALL BE REMOVED AND CAPPED.
- 22. TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON EXISTING CONDITIONS.
- 23. COORDINATE THE LOCATIONS OF ALL WALL MOUNTED EQUIPMENT WITH FINAL EQUIPMENT/FURNITURE LAYOUT.
- 24. INTENT OF PROJECT IS FOR NEW MATERIALS AND COMPONENTS TO MATCH EXISTING.
- 25. EQUIPMENT SCHEDULED IS THE BASIS OF DESIGN, OR APPROVED EQUAL.
- 26. COORDINATE ELECTRICAL POWER REQUIREMENTS FOR ALL MOTORS.
- 27. COORDINATE WITH OWNER FURNISHED EQUIPMENT AND SYSTEMS.
- SUPPORTS, ANGLE IRON, PLATES, ROD, ETC. AS NECESSARY FOR PROPER INSTALLATION OF PIPING, EQUIPMENT, AND ACCESSORIES.
- STEEL, PIPE SUPPORT COMPONENTS, ETC.
- CLEAN AND NEAT CONDITION.
- AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- DRAWINGS FOR PENETRATION DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE FLASHING AND COUNTER FLASHING FOR ROOF PENETRATIONS AS REQUIRED.
- RELOCATION OF EXISTING UTILITIES MAY BE NECESSARY TO ACCOMMODATE INSTALLATION OF NEW EQUIPMENT OR DUCTWORK.
- FIRM ON NEW OR EXISTING EQUIPMENT INSTALLED OR RELOCATED BY THEM UNDER THIS CONTRACT. THIS SHALL INCLUDE ALL TOUCH-UP PAINTING.
- 36. PROVIDE ACCESS PANELS FOR ALL CONCEALED SHUT-OFF VALVES EXCEPT THOSE
- ABOVE SUSPENDED CEILING.
- AND CHASES ARE 2-HR FIRE RATED.
- CEILINGS OR WITHIN PARTITIONS UNLESS OTHERWISE NOTED.
- WITH ARCHITECTURAL DRAWINGS.
- ARCHITECT.
- 42. COORDINATE WITH BUILDING OWNER PRIOR TO CUTTING OR GRINDING FLOORS.

ALL MATERIALS SHALL BE APPROVED BY THE FACILITY OWNERS AND OPERATORS.

# 28. PLUMBING CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STRUCTURAL

29. CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING SUPPORTS, STRUT RACKS, TRAPEZE

30. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A

31. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

32. COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL

33. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES,

34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE MADE BY ITS

35. CONTRACTOR SHALL FIELD VERIFY ALL CLEARANCES AND DIMENSIONS.

37. INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT, FULL THICKNESS OF SLAB. MAINTAIN FIRE RATING. ALL EXISTING CONCRETE FLOORS

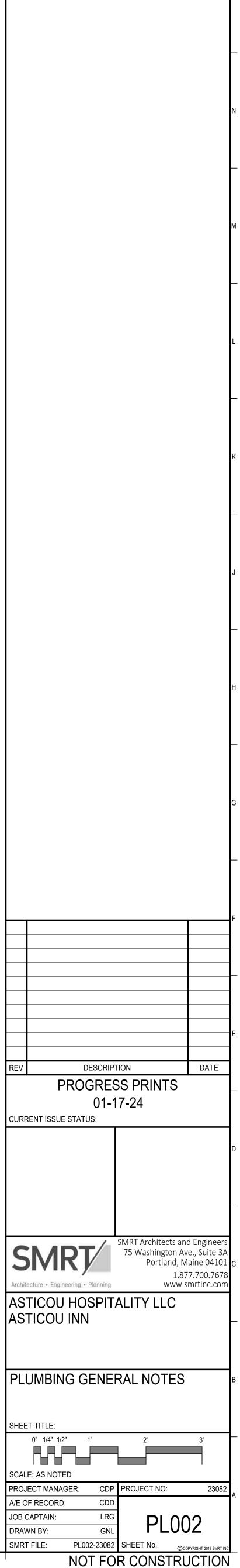
38. ALL DOMESTIC WATER SUPPLY, VENT AND MEDICAL GAS PIPING SHALL BE RUN ABOVE

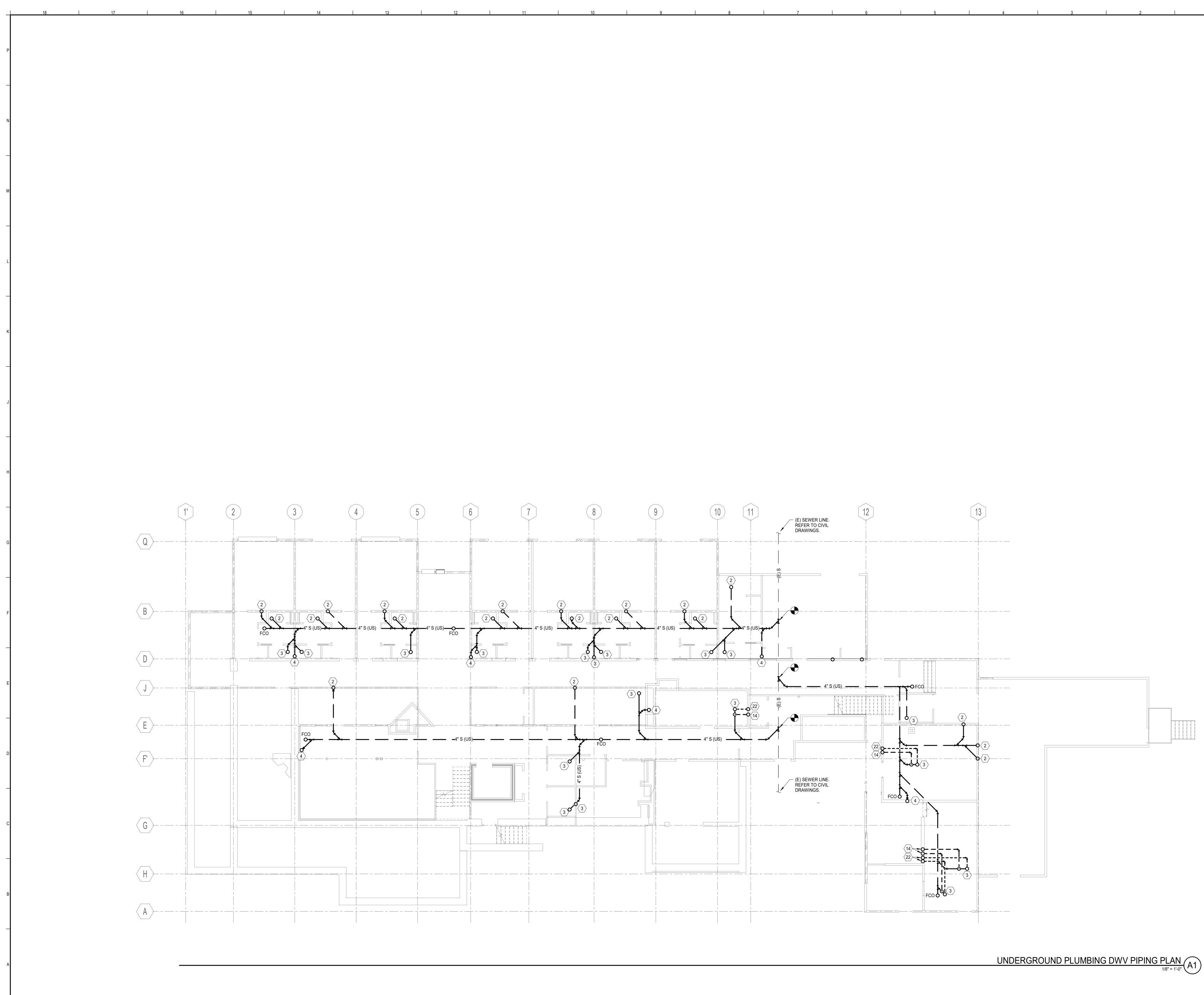
39. PLUMBING RISERS SHALL BE RUN CONCEALED WITHIN WALLS OR CHASES, COORDINATE

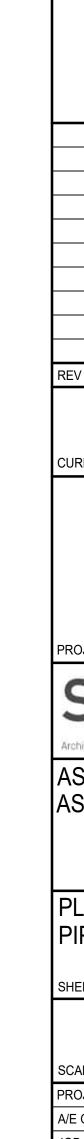
40. COORDINATE FINAL LOCATIONS OF MEDICAL GAS OUTLETS. AND VALVE BOXES WITH

41. SANITARY LINES SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.

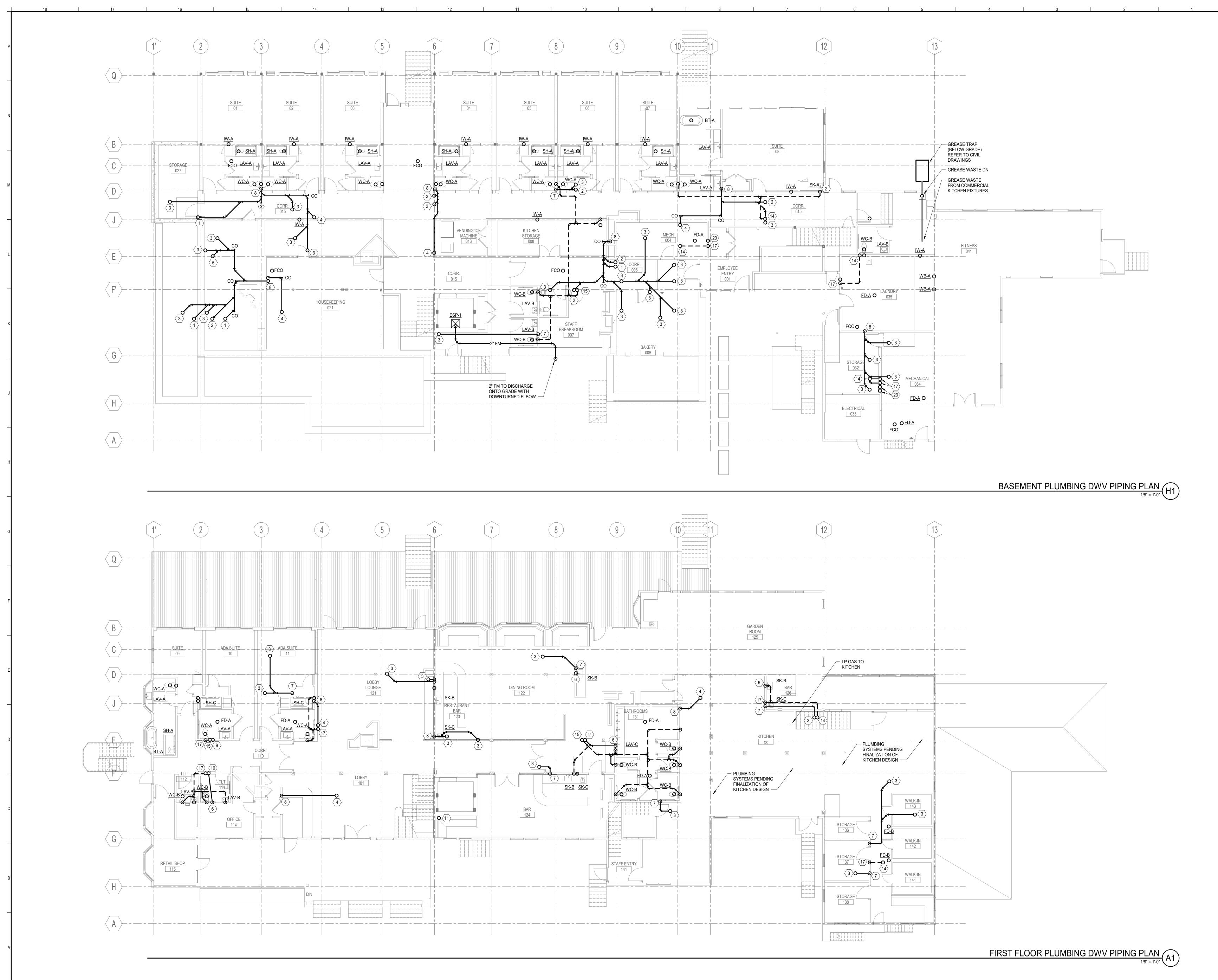
- 42. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURER'S LITERATURE.
- 43. NEW PIPING LOCATIONS ON THE PLANS ARE DIAGRAMMATICAL. TO THE EXTENT POSSIBLE THE CONTRACTOR SHALL INSTALL PIPING SYSTEMS TO MINIMIZE RUN LENGTHS TO FIXTURES.
- 44. CONTRACTOR TO PROVIDE ALL MATERIALS NEEDED FOR CONSTRUCTION UNLESS OTHERWISE NOTED OR DIRECTED.
- 45. OPERATIONS AND MAINTENANCE MANUALS: SUBMIT ALL TESTING DATA AND COPIES OF APPROVED PRODUCT DATA, INCLUDING MAINTENANCE INFORMATION IN A TABBED, NEATLY ORGANIZED THREE RING BINDER. INCLUDE VALVE IDENTIFICATION CHARTS PROVIDE 3 COPIES TO THE OWNER.
- 46. PIPE IDENTIFICATION; LABELING SHALL APPEAR AT INTERVALS OF NOT MORE THAN 20 FEET AND AT LEAST ONCE IN EACH ROOM AND EACH STORY TRAVERSED BY THE PIPING SYSTEM. ALL PIPING SHALL BE CLEARLY IDENTIFIED SPECIFICALLY FOR TYPE OF SERVICE WITH COILED PLASTIC PIPE MARKERS AND FLOW DIRECTION ARROWS. LABELING COLOR AND SIZE SHALL BE PER OSHA SPECIFICATIONS.
- 47. VALVE IDENTIFICATION; PROVIDE A CIRCULAR BRASS TAG AND CHAIN ON EACH VALVE. TAG TO INCLUDE A DISCRETE NUMBER AND SHALL BE COORDINATED WITH ANY CURRENT FACILITY NUMBERING SCHEME OR STANDARD.
- 48. IF CONTRACT INCLUDES RENOVATION WORK WHICH TAKES PLACE IN AN OCCUPIED SPACE. INSTALLATIONS SHALL NOT AFFECT ONGOING OPERATIONS. COORDINATE HOURS AVAILABLE TO PERFORM WORK WITH THE OWNER AND GENERAL CONTRACTOR.
- 49. PRIOR TO CONNECTING TO ANY EXISTING PIPING, CONFIRM TIE-IN LOCATIONS WITH THE FACILITY OWNERS AND OPERATORS.
- 50. INSTALL ALL NEW AND RELOCATED EXISTING COMPONENTS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS.
- 51. SEAL INTERIOR PIPE PENETRATIONS WITH FIRE SEALANT. SEAL EXTERIOR WALL PIPE PENETRATIONS WATER TIGHT.
- 52. CUT AND PATCH SURFACES, RESTORING ORIGINAL FINISHES.
- 53. ASTM E84 COMPLIANCE: INSULATION AND OTHER MATERIALS SHALL COMPLY WITH THE FLAME AND SMOKE SPREAD RATINGS.
- 54. SUBMITTALS, PRE-CONSTRUCTION: SUBMIT CATALOG CUT SHEETS OF PROPOSED EQUIPMENT FOR ENGINEER REVIEW AND APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- 55. SUBMITTALS, DURING CONSTRUCTIONS: SUBMIT COPIES OF PIPE ROUGH-IN PRESSURE TESTS AS COMPLETED.
- 56. SUBMITTALS, POST CONSTRUCTION: SUBMIT COPIES OF FINAL PRESSURE TEST, FLUSHING AND PLUMBING DISINFECTION REPORTS. SUBMIT COPIES OF COMPLETED MANUFACTURER START UP REPORTS FOR EQUIPMENT.
- 57. RECORD DRAWINGS; MAINTAIN A CURRENT SET OF MARKED UP CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES. PROVIDE A COMPLETE SET OF THESE RECORD MARK-UPS, OR AS-BUILT. 58. DRAWINGS TO THE ARCHITECT AT THE END OF THE PROJECT.
- 59. USE OF PIPE DOPE IS NOT ALLOWED.
- 60. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

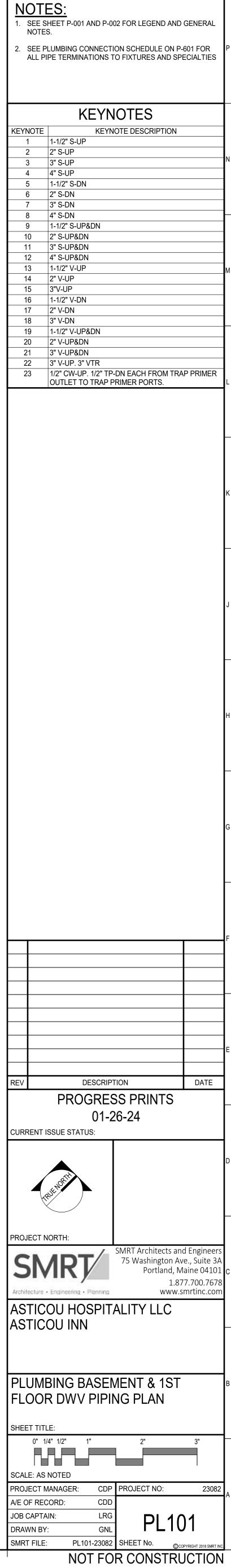


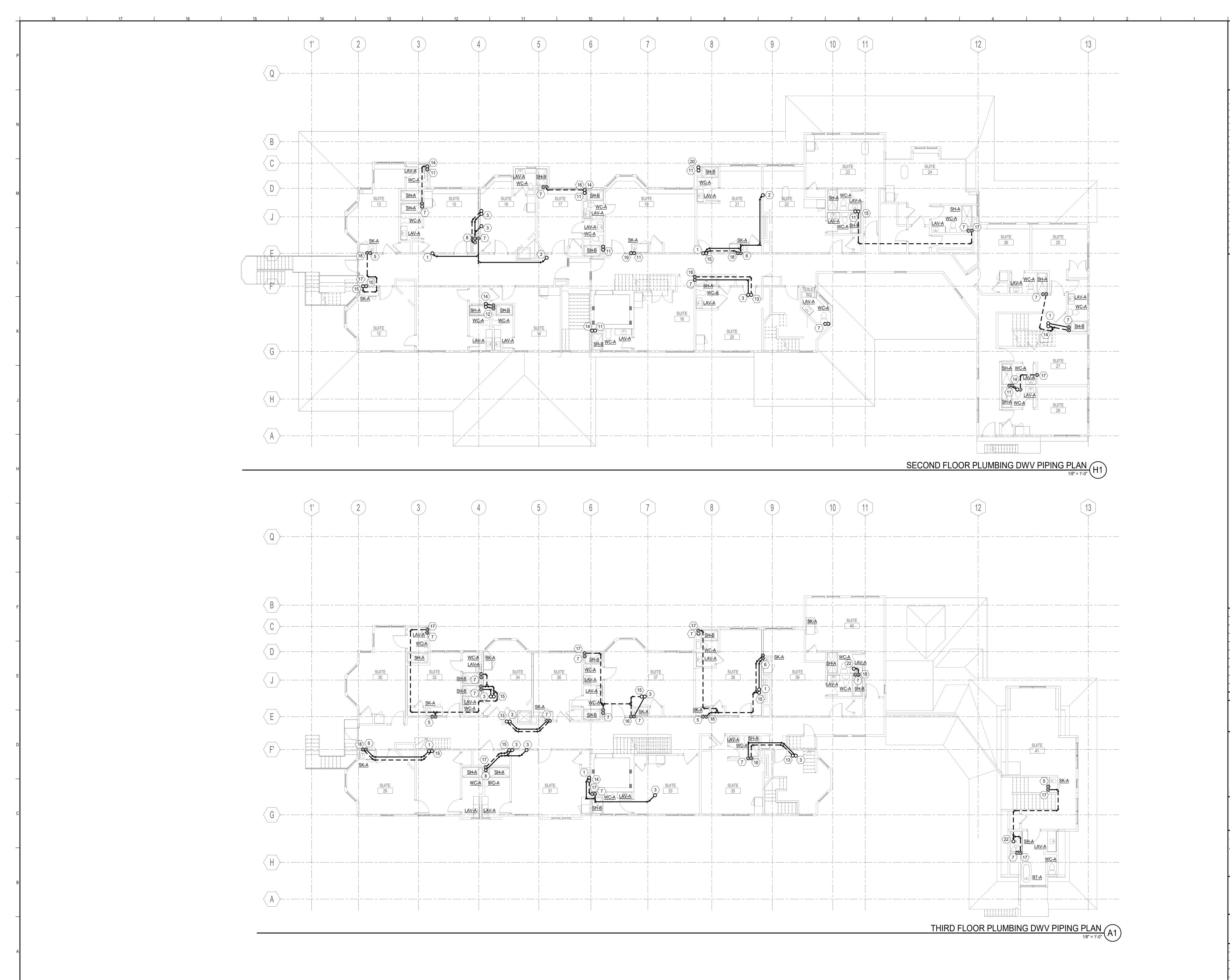


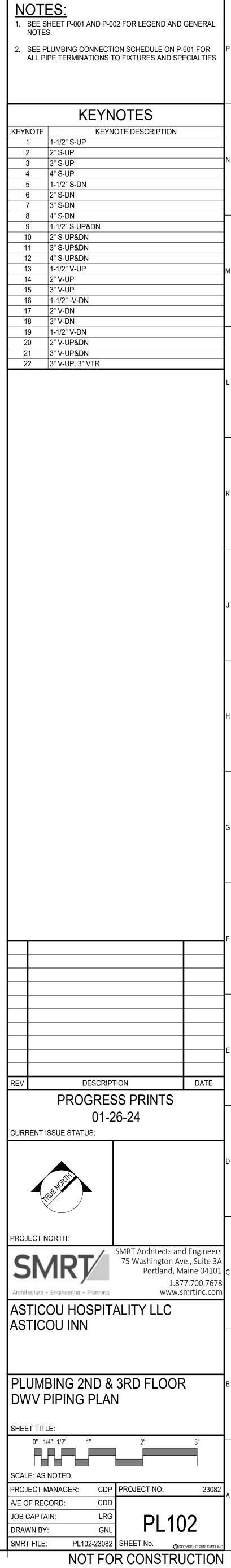


NOT	ES: BHEET P-001 AND P-002 FOR LEGEND AND	GENERAL
	S. PLUMBING CONNECTION SCHEDULE ON P- IPE TERMINATIONS TO FIXTURES AND SPE	
	KEVNOTES	
KEYNOTE	KEYNOTES KEYNOTE DESCRIPTION 1-1/2" S-UP	
2 3 4 5	2" S-UP 3" S-UP 4" S-UP 1-1/2" S-DN	N
6 7 8	2" S-DN 3" S-DN 4" S-DN	
9 10 11	1-1/2" S-UP&DN 2" S-UP&DN 3" S-UP&DN	
12 13 14	4" S-UP&DN 1-1/2" V-UP 2" V-UP	M
15 16 17 18	3" V-UP 1-1/2" V-DN 2" V-DN 3" V-DN	
19 20 21	1-1/2" V-UP&DN 2" V-UP&DN 3" V-UP&DN	
22	1/2" TP-UP TO TRAP PRIMER OUTLET.	L
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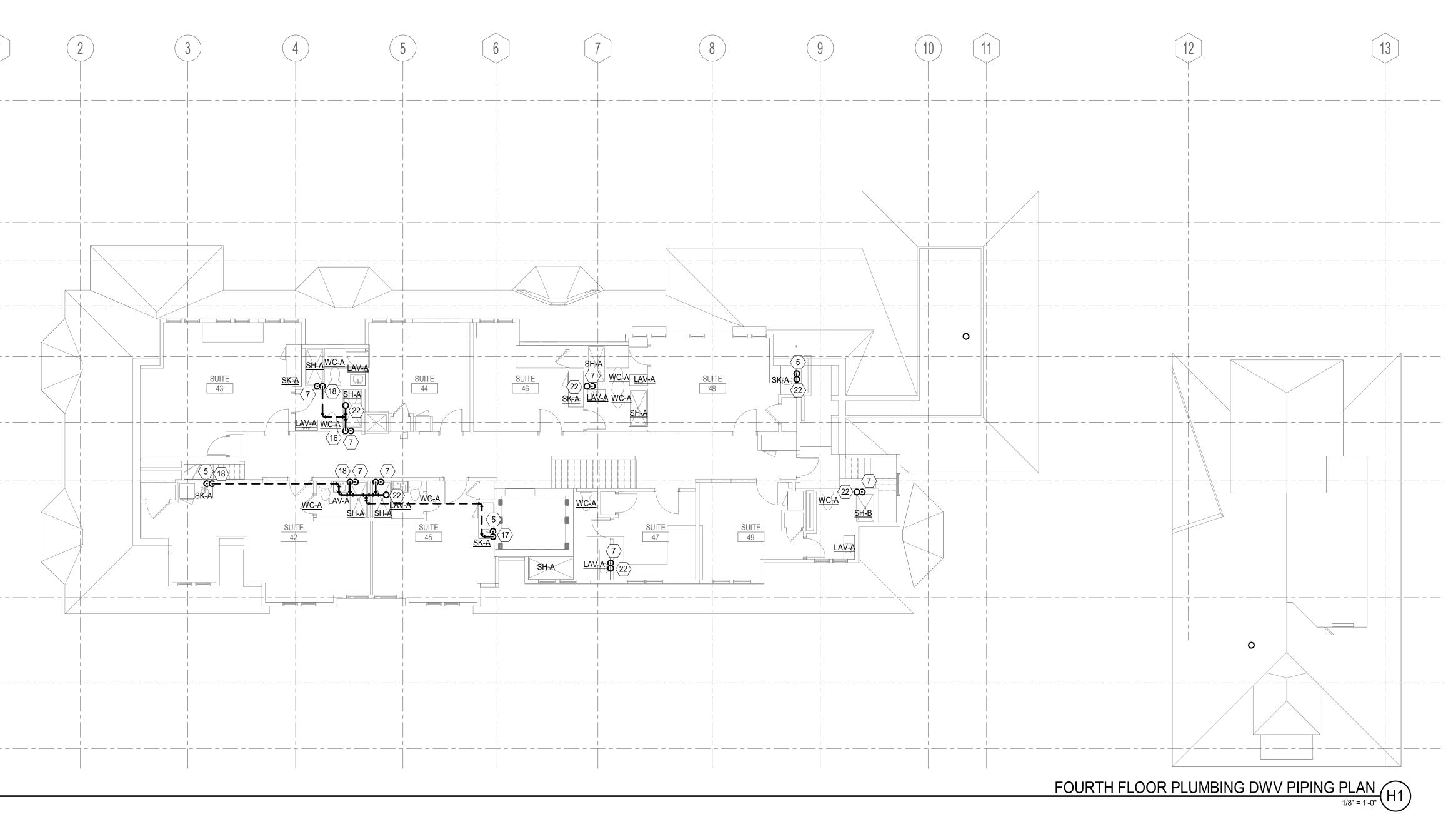


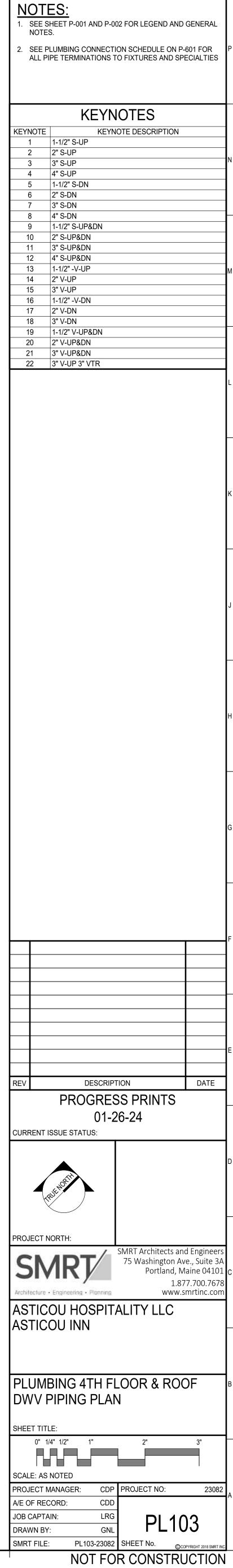


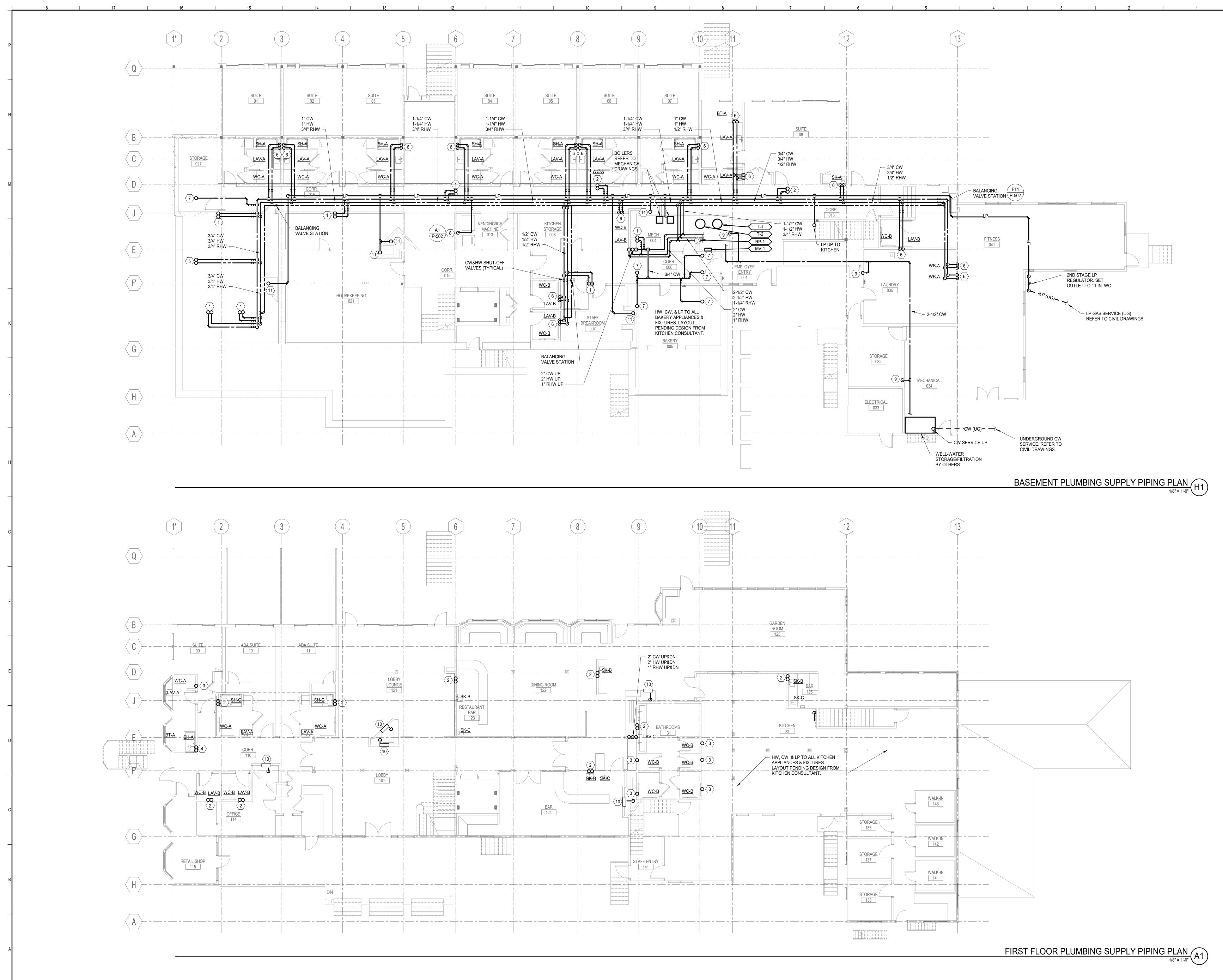


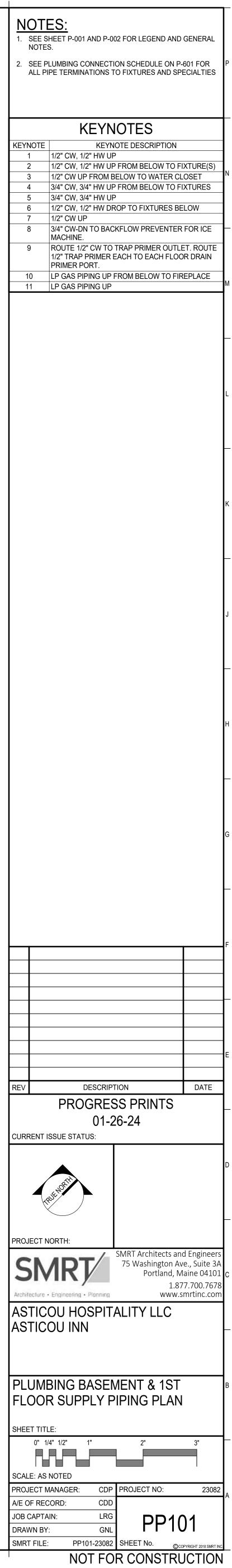


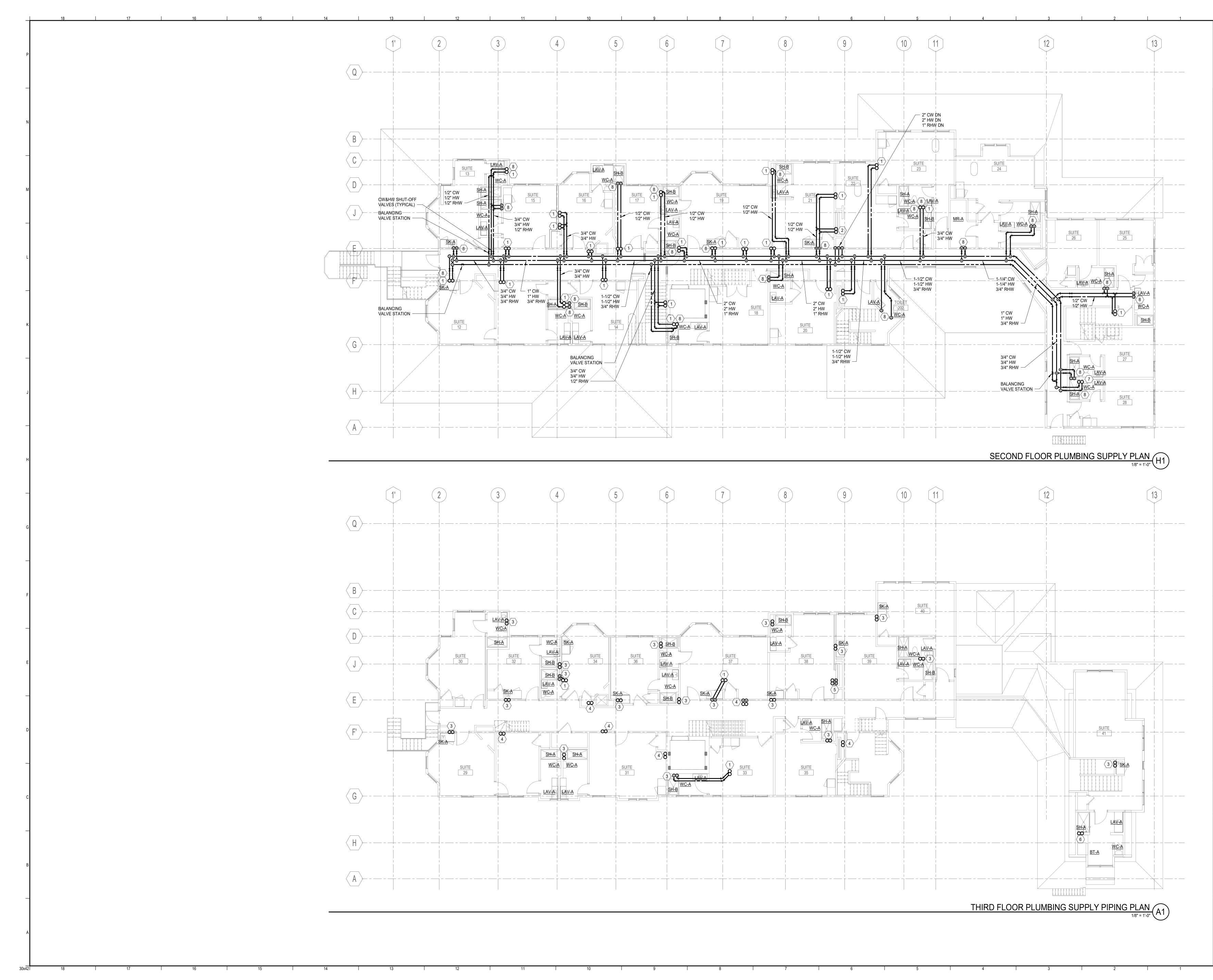
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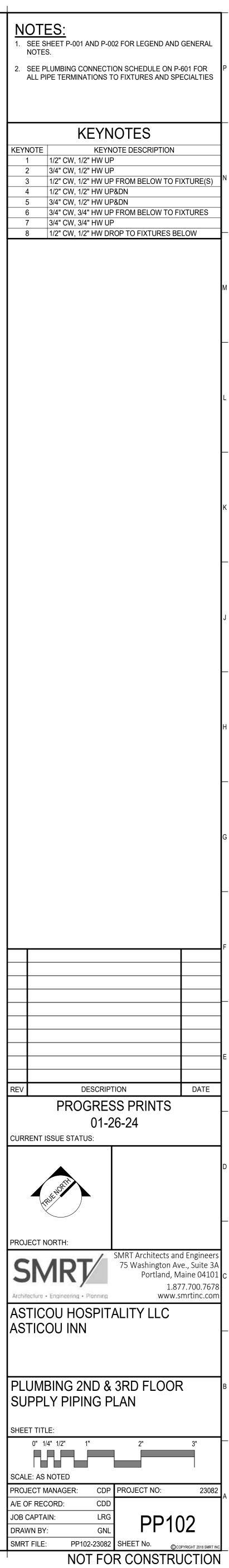




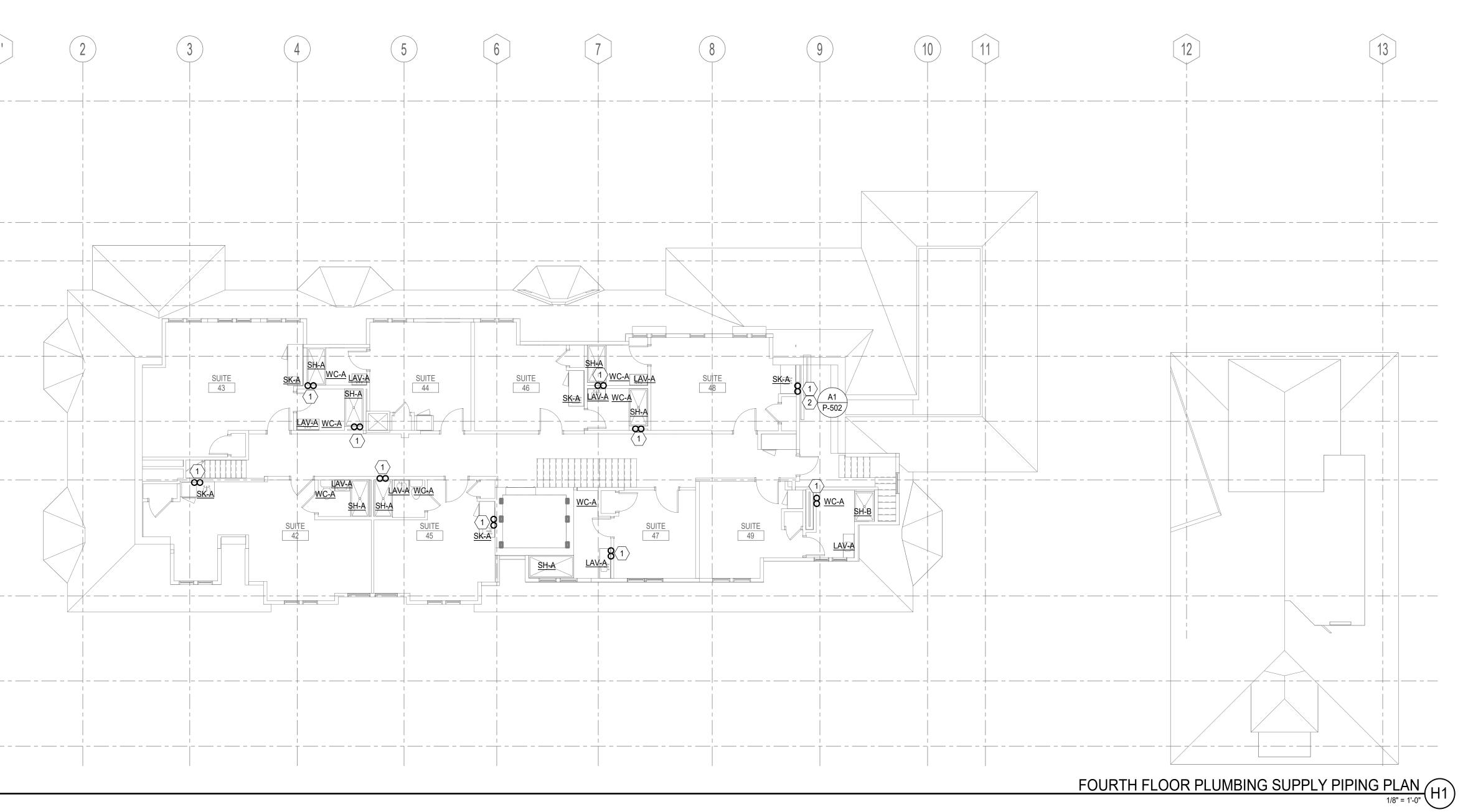


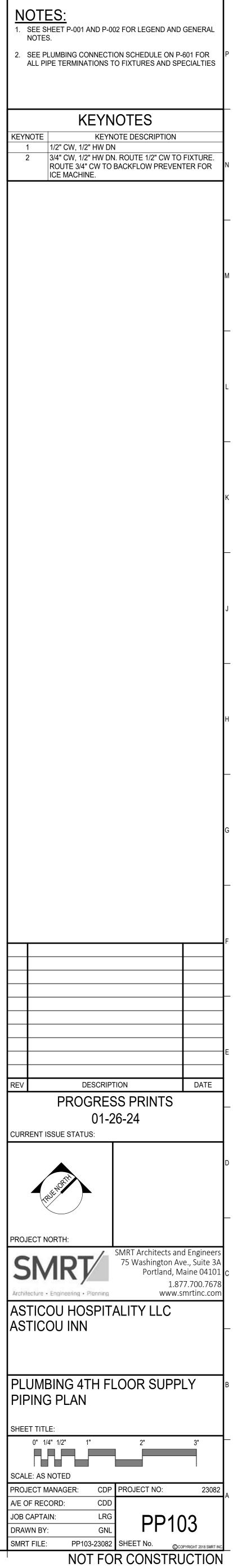






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PLUMBING FIXTURE CONNECTION SCHEDULEFIXTURECWHWTWWASTEVENTNOTESFLUSH TANK WATER CLOSET1/2"3"2"1,2LAVATORY1/2"1/2"-1-1/2"1-1/2"-SINK1/2"1/2"-1-1/2"1-1/2"-										
FIXTURE	CW	HW	TW	WASTE	VENT	NOTES				
-	1/2"	-	-	3"	2"	1, 2				
LAVATORY	1/2"	1/2"	-	1-1/2"	1-1/2"	-				
SINK	1/2"	1/2"	-	1-1/2"	1-1/2"	-				
SHOWER/TUB	1/2"	1/2"	-	2"	1-1/2"	1				
SERVICE SINK/ MOP RECEPTOR	3/4"	3/4"	-	3"	2"	1				
FLOOR DRAIN	-	-	-	3"	2"	-				
DRAIN WALL BOX	-	-	-	2"	1-1/2"	-				
HOSE BIB	3/4"	-	-	-	-	-				
WALL HYDRANT	3/4"	-	-	-	-	-				
		IROOM ARRANGE	// ISOLATION VAL EMENT, SHOCK A		L BE SIZED AND	LOCATED TO SER				

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		D	RAIN SCHEDULE		
TAG	DESCRIPTION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	TRAP PRIMER	NOTES
FD-A	FLOOR DRAIN	ZURN Z415B-P	FLOOR AND SHOWER DRAIN COATED CAST IRON BODY, ADJUSTABLE NICKEL BRONZE STRAINER	-	1
FD-B	FLOOR DRAIN - FUNNEL	ZURN Z415E	9" DIA. ADJUSTABLE FLOOR DRAIN, COATED CAST IRON BODY, NICKEL BRONZE STRAINER WITH 4" DIAMETER FUNNEL	-	1
IW-A	INDIRECT WASTE DRAIN WALL BOX	SIOUX CHIEF 696 SERIES	DRAINAGE OUTLET BOX WITH SECONDARY DRAINAGE FUNNEL	-	-
WB-A	LAUNDRY WALL BOX	SIOUX CHIEF 696-G2313XF	DRAINAGE OUTLET BOX WITH 3/4" WATER OUTLETS W/ WATER HAMMER ARRESTORS.	-	-
RD-A	ROOF DRAIN	ZURN #ZA163	15" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES AND DOUBLE TOP-SET DECK PLATE	-	3, 4
NOTES:	2. WHEN USED IN ROOMS OTHER THA 3. REFER TO ARCHITECTURAL ROOF F	N BATHROOMS PROVIDE PRECESION PLUMBING PLAN FOR ROOF DRAIN LOCATIONS.	DRAIN APPLICATION: PRECESION PLUMBING PRODUCTS #PO-500, #SS-8 SUPPLY TUBE & PRODUCTS #MPB-500 RIOR FACE. REFER TO PLUMBING DRAWINGS FOR OVERFLOW DRAIN LOCATIONS.	& #DU-2, 3 OR 4 DISTF	RIBUTION UNIT

				PLUMBING	PUMP SCH	EDULE			
TAG	LOCATION	SERVICE	GPM			ELECTRICAL DATA		TYPICAL UNIT MANUF. & NOTES: MODEL NO. 1, 2 TACO 0034e 1, 2 ZOELLER 940-0012 3, 4	NOTES
TAG	LOCATION	SERVICE	GPM	HD(FT.)	HP	VOLTS/ PH	AMP	MODEL NO. TACO 0034e ZOELLER 940-0012	NOTES.
RP-1	MECHANICAL ROOM	DOMESTIC HOT WATER	5	14	1/5	120/1	<3		1, 2
ESP-1	ELEVATOR PIT	GROUND WATER	50	15	4/10	120/1	8.5	-	3, 4
NOTES:	3. OIL-GUARD PUMP SYS	P SHALL BE SET IN CON TEM.				THE SYSTEM (TACO ACTIV		OR.	

		IMBING SPECIAL TIE									
PLUMBING SPECIALTIES SCHEDULE											
TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES							
WH-A	WALL HYDRANT	ZURN #Z-1300-CL-WC-PB	FREEZE RESISTANT, AUTOMATIC DRAINING, CYLINDER LOCK, WALL CLAMP, POLISHED BRONZE WALL PLATE, 3/4" WATER CONNECTION	-							
HB-A	HOSE BIBB UNFINISHED SPACES	CHICAGO FAUCETS #998	INTEGRAL VACUUM BREAKER, LOOSE KEY, ROUGH CHROME PLATED, 3/4" WATER CONNECTION	-							
NOTES:				· · ·							

	INDIRECT HOT WATER TANK SCHEDULE												
TAG	LOCATION	SERVED	CW INLET	HW INLET	CAPACITY (GAL)	RECOVERY RATE (GPH)	TANK SETPOINT (°F)	FLOW (GPM)	EWT FROM BOILER (°F)	HEIGHT / DIAMETER (IN.)	MATERIAL TYPE	TYPICAL UNIT MFG & MODEL NO.	NOTES:
T-1	MECHANICAL ROOM	DOMESTIC HOT WATER	1-1/2"	1-1/2"	119	334	140	14	180	74" / 27"	316L STAINLESS STEEL	HTP SSU-119N	1-2
NOTES:													

TAG

PET-1

NOTES:

		PL	UMBING FIXTURE SCHEDULE			
TAG	DESCRIPTION	FIXTURE	FAUCET/DRAIN	TRIM	SUPPORT	NOTES
WC-A	FLOOR-MOUNTED WATER CLOSET-ADA	KOHLER #K-3817 VITREOUS CHINA, PRESSURE-ASSISTED TANK TYPE, ELONGATED BOWL, 16-1/2" RIM HEIGHT,1.28 GPF, ADA COMPLIANT.	-	CHURCH #9500 SSC SEAT - WHITE, MCGUIRE LOOSE KEY ANGLE STOP, ESCUTCHEON CHROME PLATED	-	3
WC-B	FLOOR-MOUNTED WATER CLOSET-ADA	KOHLER #K-3817 VITREOUS CHINA, PRESSURE-ASSISTED TANK TYPE, ELONGATED BOWL, 16-1/2" RIM HEIGHT,1.28 GPF, ADA COMPLIANT.	-	CHURCH #9500 SSC SEAT - WHITE, MCGUIRE LOOSE KEY ANGLE STOP, ESCUTCHEON CHROME PLATED	-	3
LAV-A	LAVATORY	KOHLER K-2339, VITREOUS CHINA, 21"x17", UNDERMOUNT.	KOHLER K-454-4V MANUAL FAUCET WITH 0.5 GPM AERATOR -	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
LAV-B	LAVATORY - ADA	KOHLER PINOIR K-2035-4 WALL MOUNT LAVATORY AND WHITE VITREOUS CHINA	KOHLER K-454-4V MANUAL FAUCET WITH 0.5 GPM AERATOR - GRID DRAIN, MCQUIRE #8912 P-TRAP	KOHLER K-2057 SHROUD, MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS CHROME PLATED	ZURN #Z-1231	-
LAV-C	LAVATORY- MULTI-USER	BRADLEY EXPRESS LAVATORY SYSTEM TLX-4	BRADLEY SYSTEM INCLUDES 4 SENSOR FAUCETS WITH 0.5 GPM AERATOR AND SOAP DISPENSERS - ADA COMPLIANT	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
SK-A	BAR SINK- IN ROOM	ELKAY #ELUH129DBG, 14-1/2" x 12" x 7" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3032CR FAUCET, ELKAY #LK36 DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	-
SK-B	BAR SINK- BAR	ELKAY #ECTRU21179TFCC, 22-1/2" x 18-1/2" x 9" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3031CR FAUCET, ELKAY #LKDD DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
SK-C	BAR SINK- HANDWASH	ELKAY #ELUH129DBG, 14-1/2" x 12" x 7" DEPTH, 18 GAUGE, 304 SS, UNDERMOUNT.	ELKAY LKAV3032CR FAUCET, ELKAY #LK36 DRAIN, CP FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	1
SH-A	SHOWER- 5'	REFER TO ARCHITRUAL PLANS FOR TILE BASE, ZURN 415N SHOWER DRAIN	KOHLER K-TS462-4V SHOWER TRIM, K-45409 1.75 GPM SHOWER HEAD AND KOHLER RITE TEMP SHOWER VALVE WITH SERVICE STOPS	-	-	2
SH-B	SHOWER- 4'	REFER TO ARCHITRUAL PLANS FOR TILE BASE, ZURN 415N SHOWER DRAIN	KOHLER K-TS462-4V SHOWER TRIM, K-45409 1.75 GPM SHOWER HEAD AND KOHLER RITE TEMP SHOWER VALVE WITH SERVICE STOPS	-	-	
SH-C	SHOWER-ADA	AQUATIC F6032APAN, ACRYLIC SHOWER PAN, 60"X31", WHITE WITH CENTER DRAIN, INCLUDE GRAB BARS AND FOLD-UP SEAT	SYMMONS 9603-PLR, 1.5 GPM HANDHELD SHOWER HAND WITH 60" HOSE AND 36" GRAB BAR, TEMPTROL SHOWER VALVE - ADA COMPLIANT	-	-	2
BT-A	BATHTUB	KOHLER K-8333, CAST RESIN FREESTANDING TUB, 66"X37", WHITE WITH CENTER DRAIN	KOHLER K-T97331-4 FLOOR MOUNTED TUB FILLER WITH HAND SHOWER, KOHLER K-97339 MOUNTING BLOCK	-		-
MR-A	MOP RECEPTOR	FIAT #MSB 2424 MOLDED STONE SERVICE BASIN, 24"x24"x10" DEEP, #MSG 2424 WALL GUARDS.	FIAT 830-AA SERVICE SINK FAUCET	FIAT #832-AA HOSE AND BRACKET, #889-CC MOP HANGER, STAINLESS STEEL BUMPERGUARDS AND WALL GUARDS	-	-
		INSULATION KIT AND EXTENSIONS AS REQUIRED FOR ALL EXPOSI AIN ROD, WEIGHTED ANTI-BACTERIAL WHITE SHOWER CURTAIN. ACCESSIBLE SIDE OF WATER CLOSET.	ED PIPING BENEATH SINK BASIN. FOR ADA SINKS ONLY.	·		

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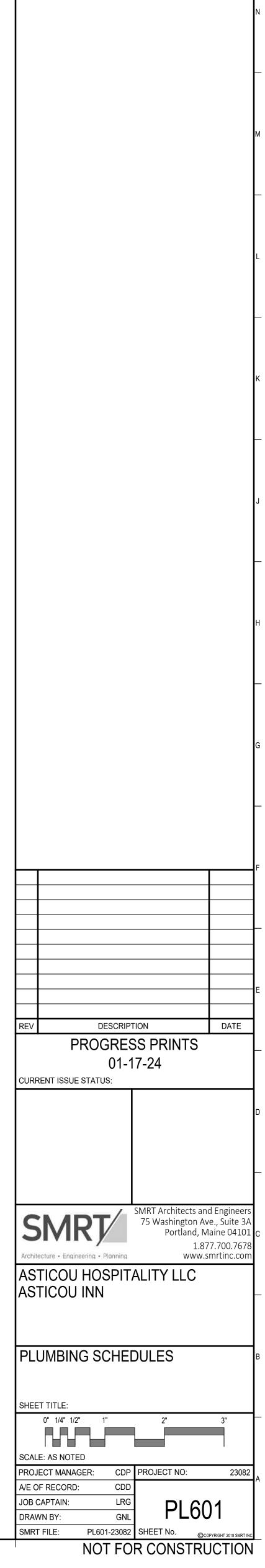
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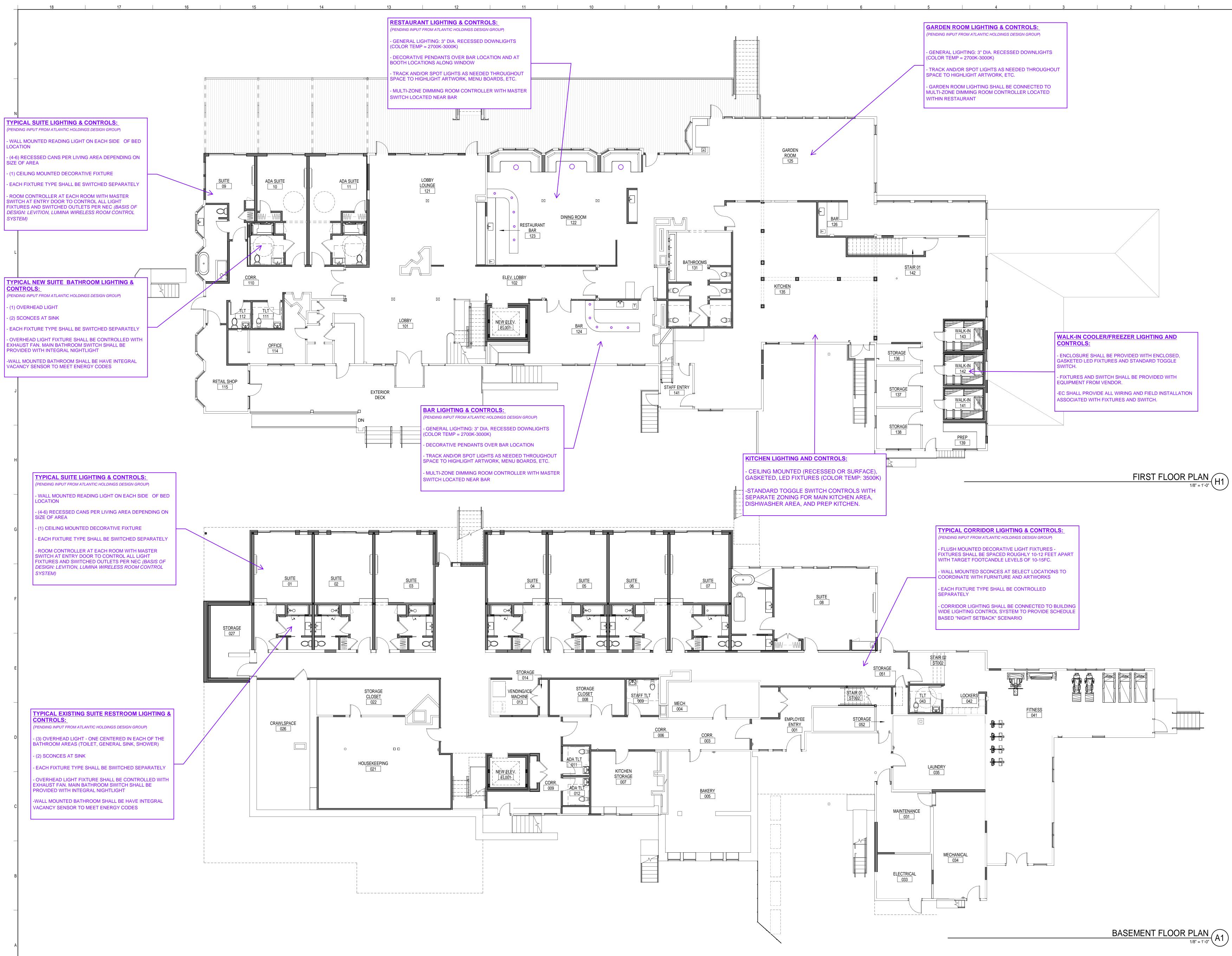
EXPANSION TANK SCHEDULE								
LOCATION	SERVED	TANK VOLUME (GAL.)	ACCEPT. VOLUME (GAL.)	DIA (IN.)	HEIGHT (IN.)	WEIGHT FULL (LBS.)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
MECHANICAL ROOM	DOMESTIC HOT WATER	6.4	3.2	12	18	52	AMTROL "THERM-X-TROL" #ST-12C-DD	1
1. PROVIDE ASME RATED SHELL AND NSF RATED BLADDER								

MIXING VALVE SCHEDULE									
			DESIGN FLOW(GPM)	OUTLET TEMP. SET POINT DEG. F	MAX. PRESS. DROP @ DESIGN FLOW (PSI)	INLETS (IN)		TYPICAL UNIT MFG & MODEL NO.	NOTES
MV-1	DOM. HW SYSTEM	0.25	38	120	5	1	1-1/4	LEONARD #PNV-125-LF	1,2
NOTES:	NOTES: 1. CENTRAL WATER HEATER HEATING APPLICATION. 2. 3/4" RHW CONNECTION AS WELL AS HW AND CW.								

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NOTES: 1. SEE SHEETS P-001 AND P-002 FOR LEGEND AND GENERAL NOTES.



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### **TYPICAL SUITE LIGHTING & CONTROLS:** (PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP)

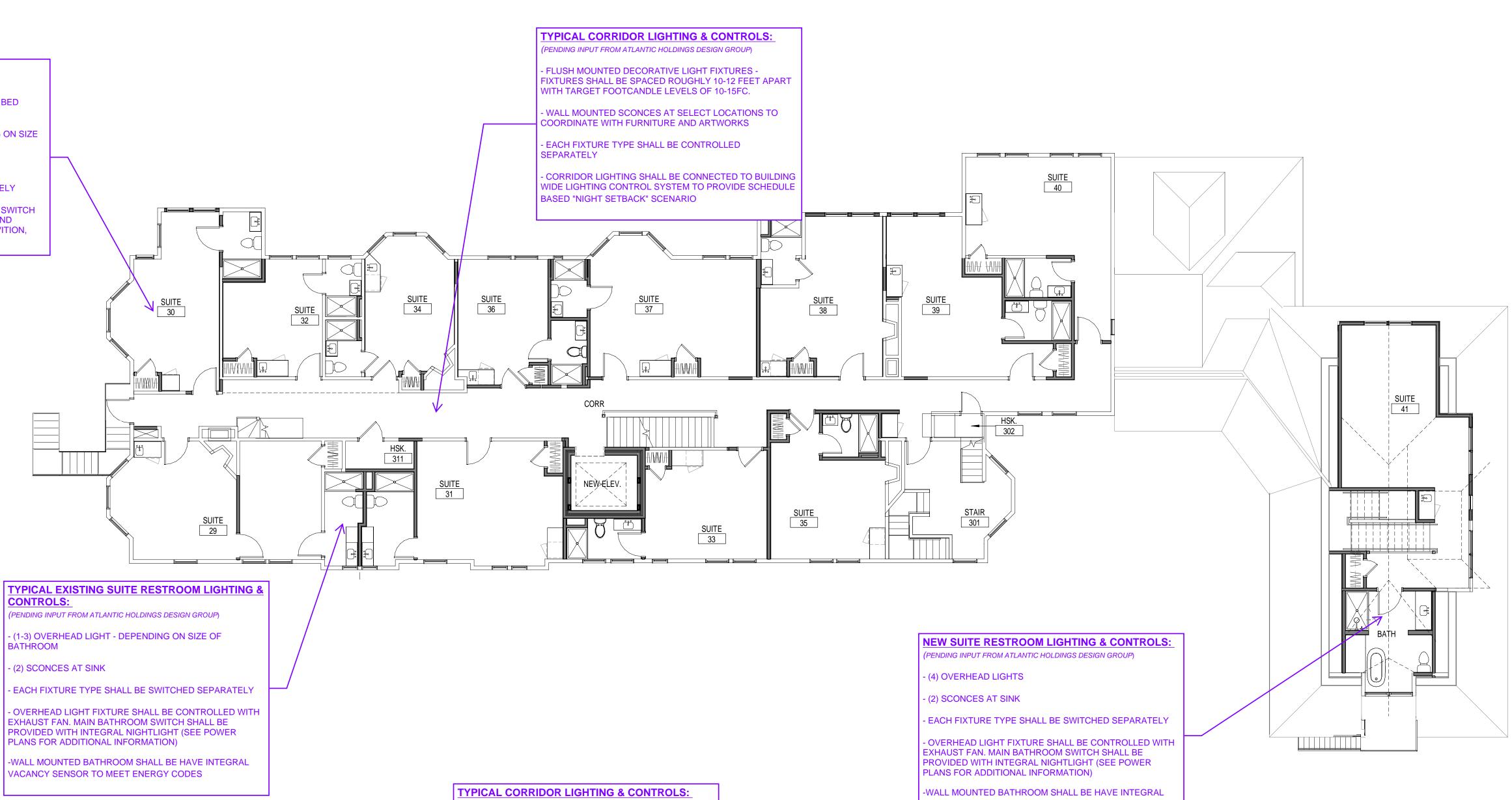
- WALL MOUNTED READING LIGHT ON EACH SIDE OF BED LOCATION

- (4-6) RECESSED CANS PER LIVING AREA DEPENDING ON SIZE OF AREA

- (1) CEILING MOUNTED DECORATIVE FIXTURE

- EACH FIXTURE TYPE SHALL BE SWITCHED SEPARATELY

- ROOM CONTROLLER AT EACH ROOM WITH MASTER SWITCH AT ENTRY DOOR TO CONTROL ALL LIGHT FIXTURES AND SWITCHED OUTLETS PER NEC (BASIS OF DESIGN: LEVITION, LUMINA WIRELESS ROOM CONTROL SYSTEM)

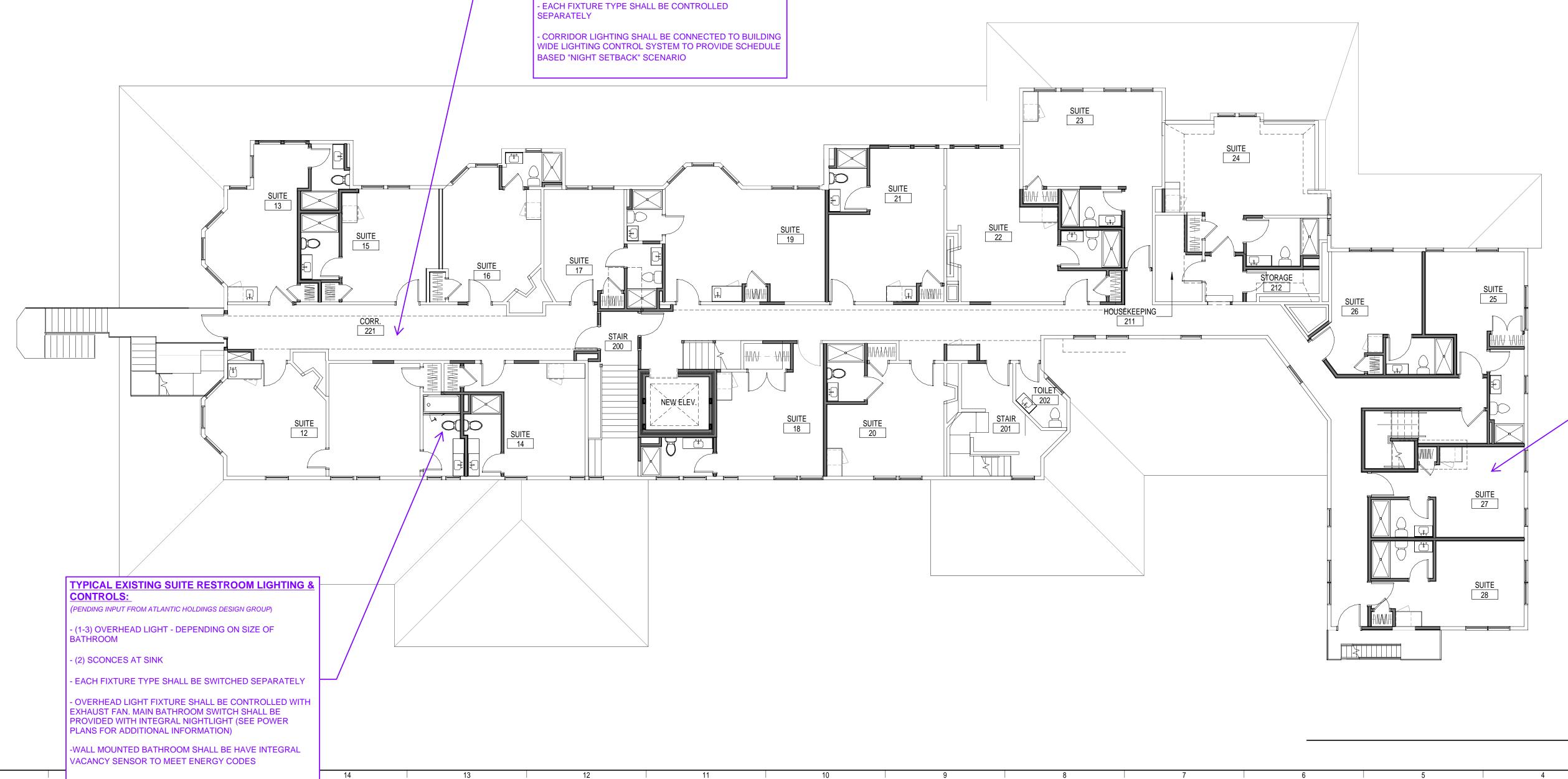


(PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP)

BATHROOM

- (2) SCONCES AT SINK

PLANS FOR ADDITIONAL INFORMATION)



- VACANCY SENSOR TO MEET ENERGY CODES

(PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP)

- FLUSH MOUNTED DECORATIVE LIGHT FIXTURES -FIXTURES SHALL BE SPACED ROUGHLY 10-12 FEET APART WITH TARGET FOOTCANDLE LEVELS OF 10-15FC.

- WALL MOUNTED SCONCES AT SELECT LOCATIONS TO COORDINATE WITH FURNITURE AND ARTWORKS

- EACH FIXTURE TYPE SHALL BE CONTROLLED

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### TYPICAL SUITE LIGHTING & CONTROLS: (PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP)

- WALL MOUNTED READING LIGHT ON EACH SIDE OF BED LOCATION

- (4-6) RECESSED CANS PER LIVING AREA DEPENDING ON SIZE OF AREA

(1) CEILING MOUNTED DECORATIVE FIXTURE

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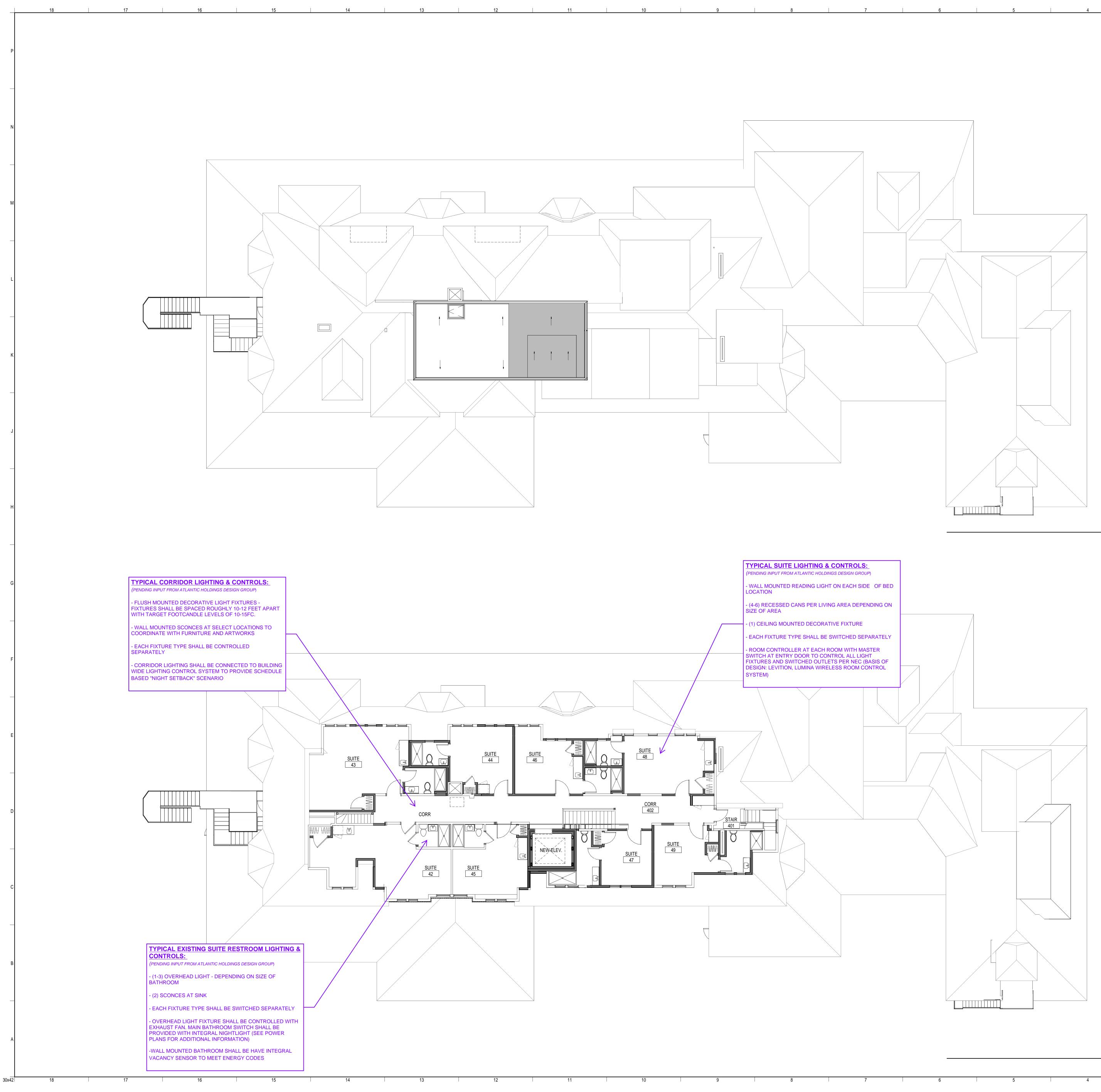
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- EACH FIXTURE TYPE SHALL BE SWITCHED SEPARATELY - ROOM CONTROLLER AT EACH ROOM WITH MASTER SWITCH AT ENTRY DOOR TO CONTROL ALL LIGHT FIXTURES AND SWITCHED OUTLETS PER NEC (BASIS OF DESIGN: LEVITION, LUMINA WIRELESS ROOM CONTROL

> SECOND FLOOR PLAN 1/8" = 1'-0"

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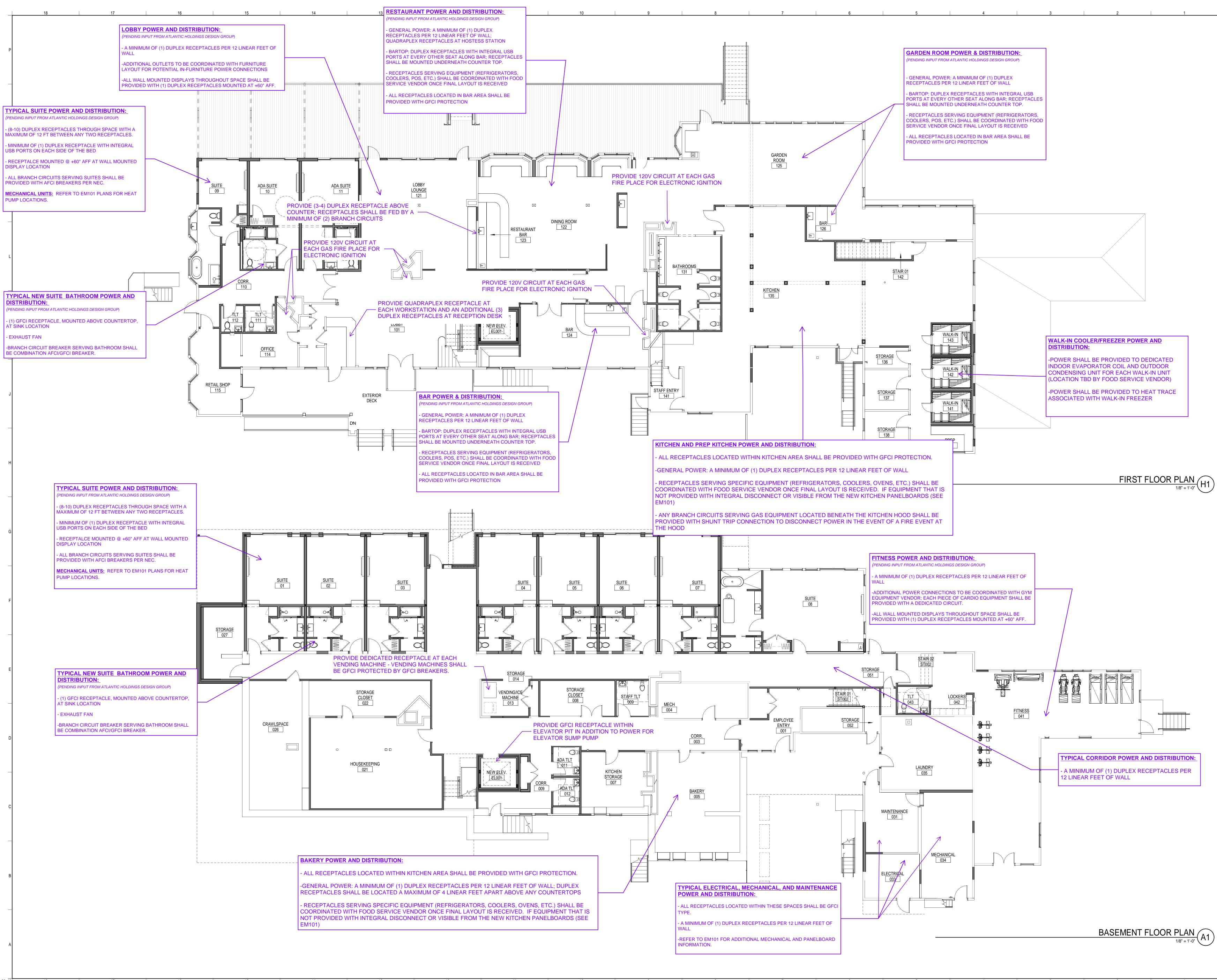
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GENERAL NOTE:

RECEPTALCES.

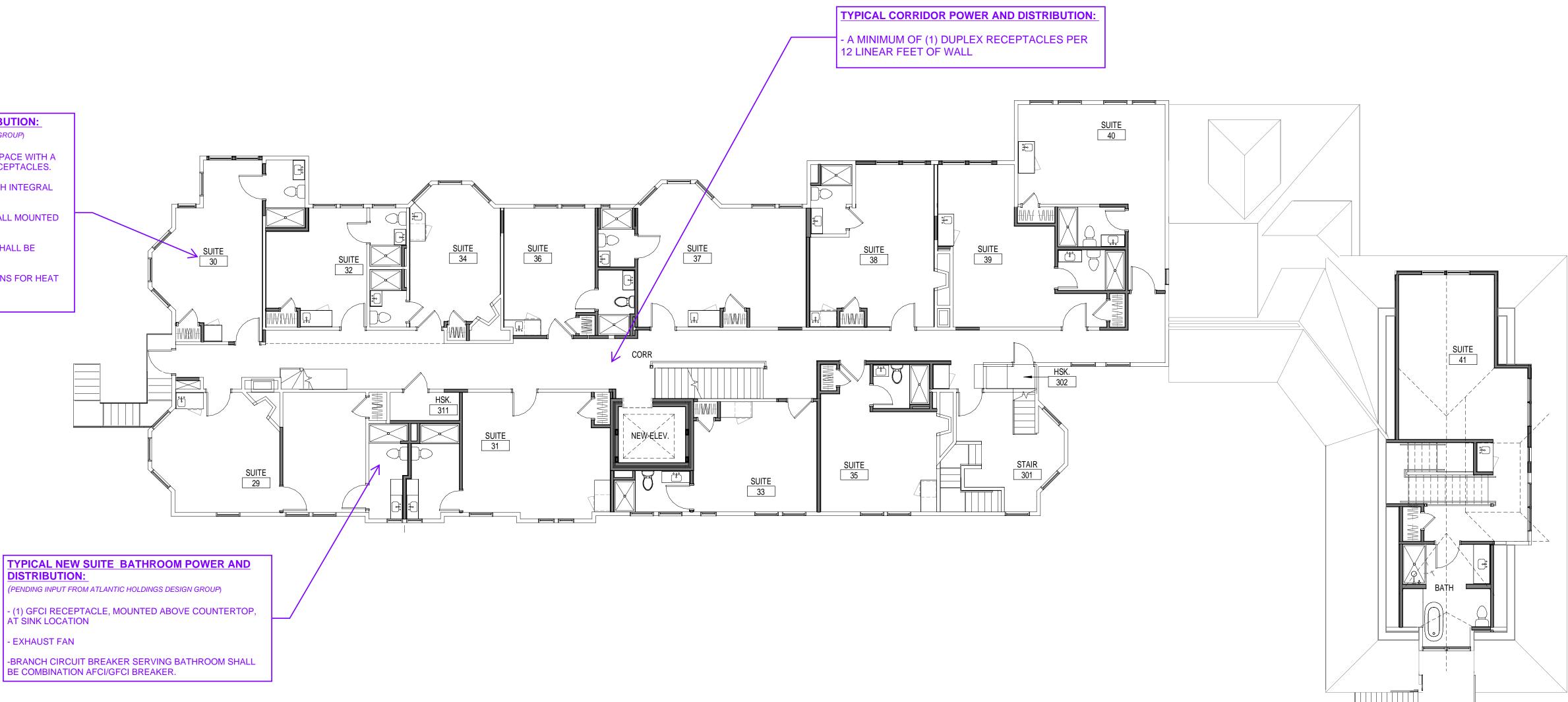
ALL RECEPTACLES THROUGH THE

FACILITY SHALL BE TAMPER-RESISTANT

TYPICAL SUITE POWER AND DISTRIBUTION: (PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP) - (8-10) DUPLEX RECEPTACLES THROUGH SPACE WITH A MAXIMUM OF 12 FT BETWEEN ANY TWO RECEPTACLES.

- MINIMUM OF (1) DUPLEX RECEPTACLE WITH INTEGRAL USB PORTS ON ÉACH SIDE OF THE BED - RECEPTALCE MOUNTED @ +60" AFF AT WALL MOUNTED DISPLAY LOCATION - ALL BRANCH CIRCUITS SERVING SUITES SHALL BE

PROVIDED WITH AFCI BREAKERS PER NEC. MECHANICAL UNITS: REFER TO EM102 PLANS FOR HEAT PUMP LOCATIONS.



TYPICAL NEW SUITE BATHROOM POWER AND **DISTRIBUTION:** 

AT SINK LOCATION - EXHAUST FAN

TYPICAL CORRIDOR POWER AND DISTRIBUTION: - A MINIMUM OF (1) DUPLEX RECEPTACLES PER 12 LINEAR FEET OF WALL TYPICAL SUITE POWER AND DISTRIBUTION: (PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP) - (8-10) DUPLEX RECEPTACLES THROUGH SPACE WITH A MAXIMUM OF 12 FT BETWEEN ANY TWO RECEPTACLES. - MINIMUM OF (1) DUPLEX RECEPTACLE WITH INTEGRAL USB PORTS ON EACH SIDE OF THE BED SUIT | 13 - RECEPTALCE MOUNTED @ +60" AFF AT WALL MOUNTED DISPLAY LOCATION  $\supset$ - ALL BRANCH CIRCUITS SERVING SUITES SHALL BE PROVIDED WITH AFCI BREAKERS PER NEC. MECHANICAL UNITS: REFER TO EM102 PLANS FOR HEAT PUMP LOCATIONS. CORI 221 SUITE ╱╒═╍╕╒═╧╕┺ TYPICAL NEW SUITE BATHROOM POWER AND DISTRIBUTION: (PENDING INPUT FROM ATLANTIC HOLDINGS DESIGN GROUP) - (1) GFCI RECEPTACLE, MOUNTED ABOVE COUNTERTOP, AT SINK LOCATION - EXHAUST FAN -BRANCH CIRCUIT BREAKER SERVING BATHROOM SHALL BE COMBINATION AFCI/GFCI BREAKER.

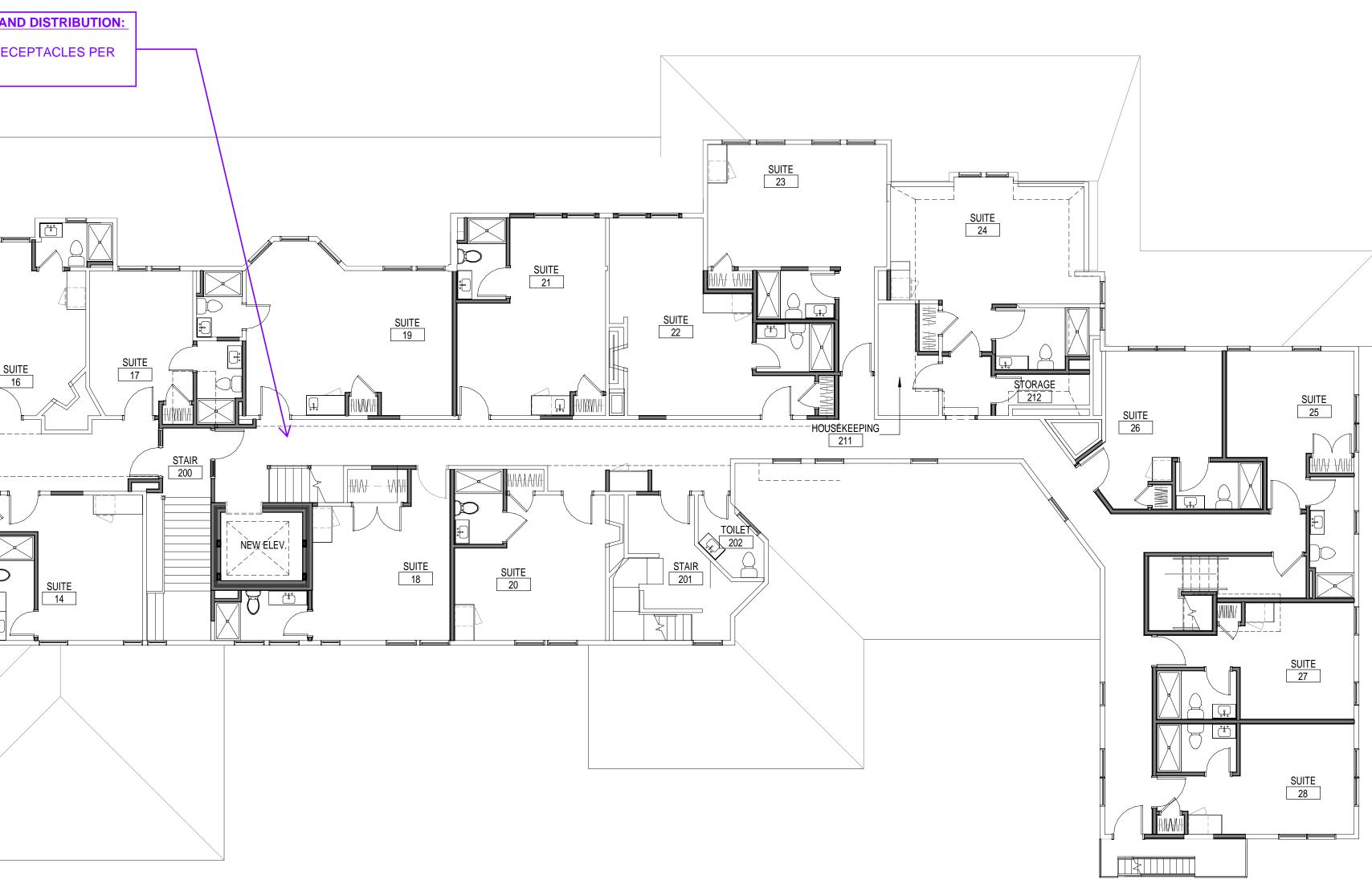
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THIRD FLOOR PLAN

SECOND FLOOR PLAN 1/8" = 1'-0"

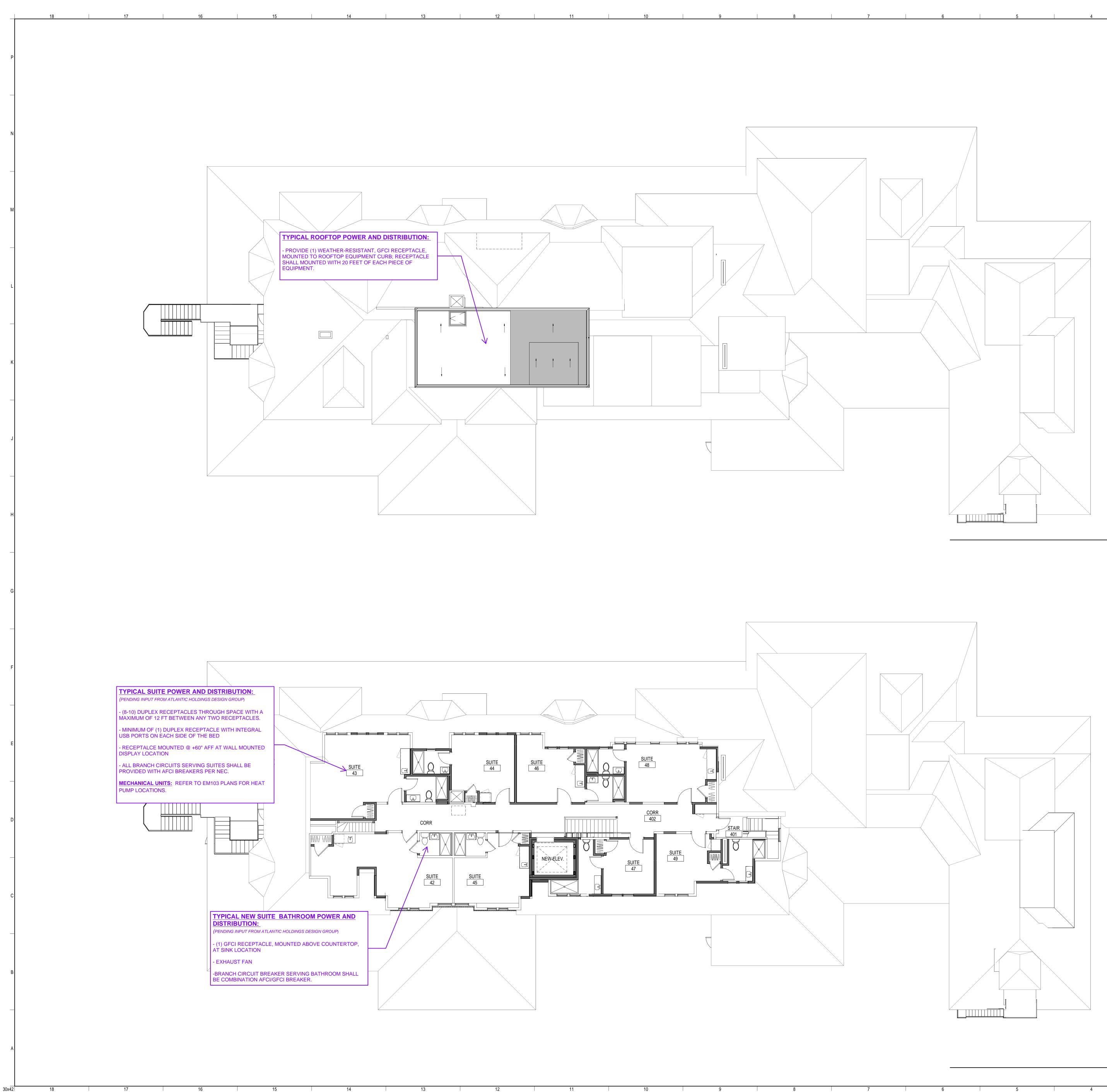
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# ROOF PLAN 1/8" = 1'-0" (H1

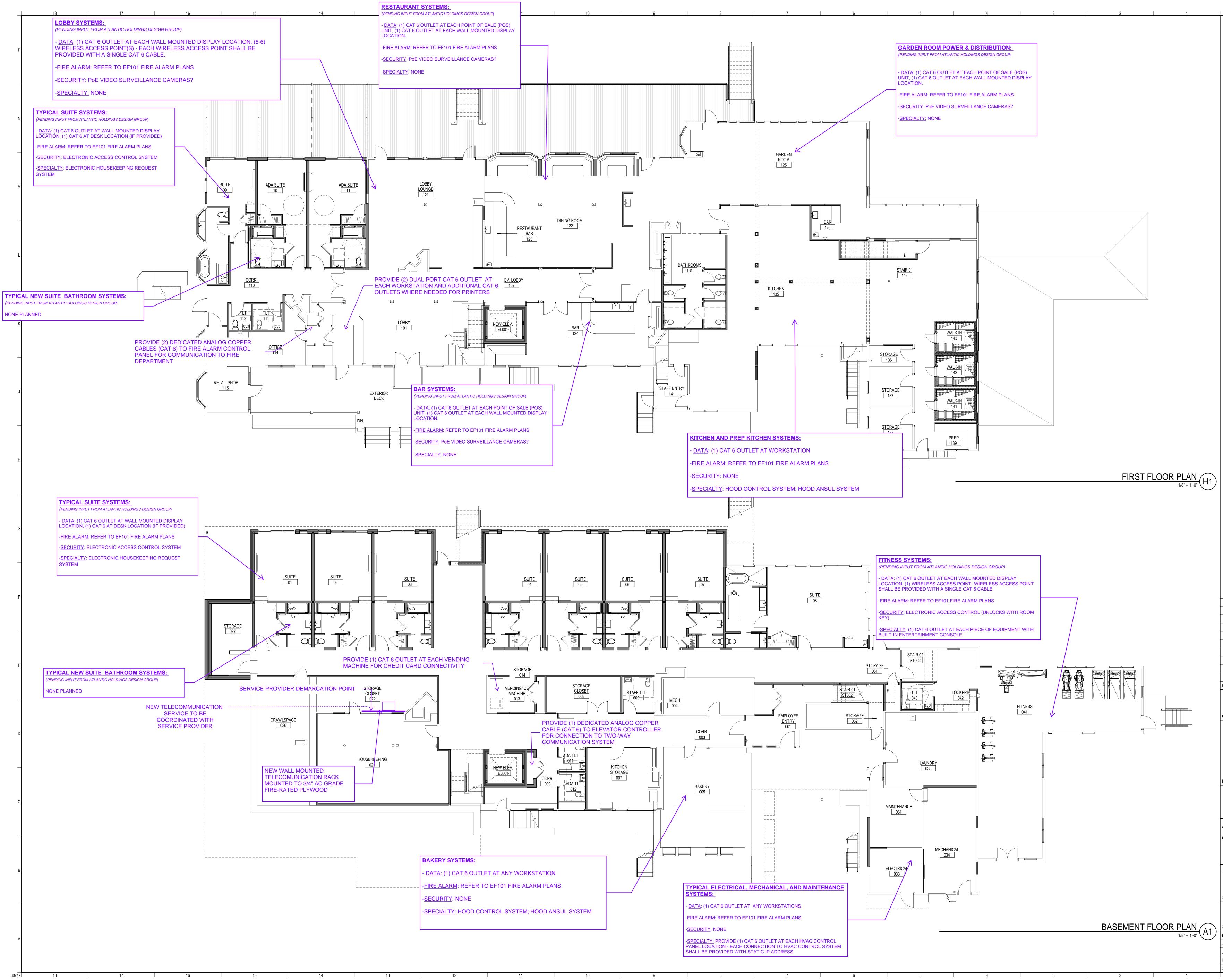
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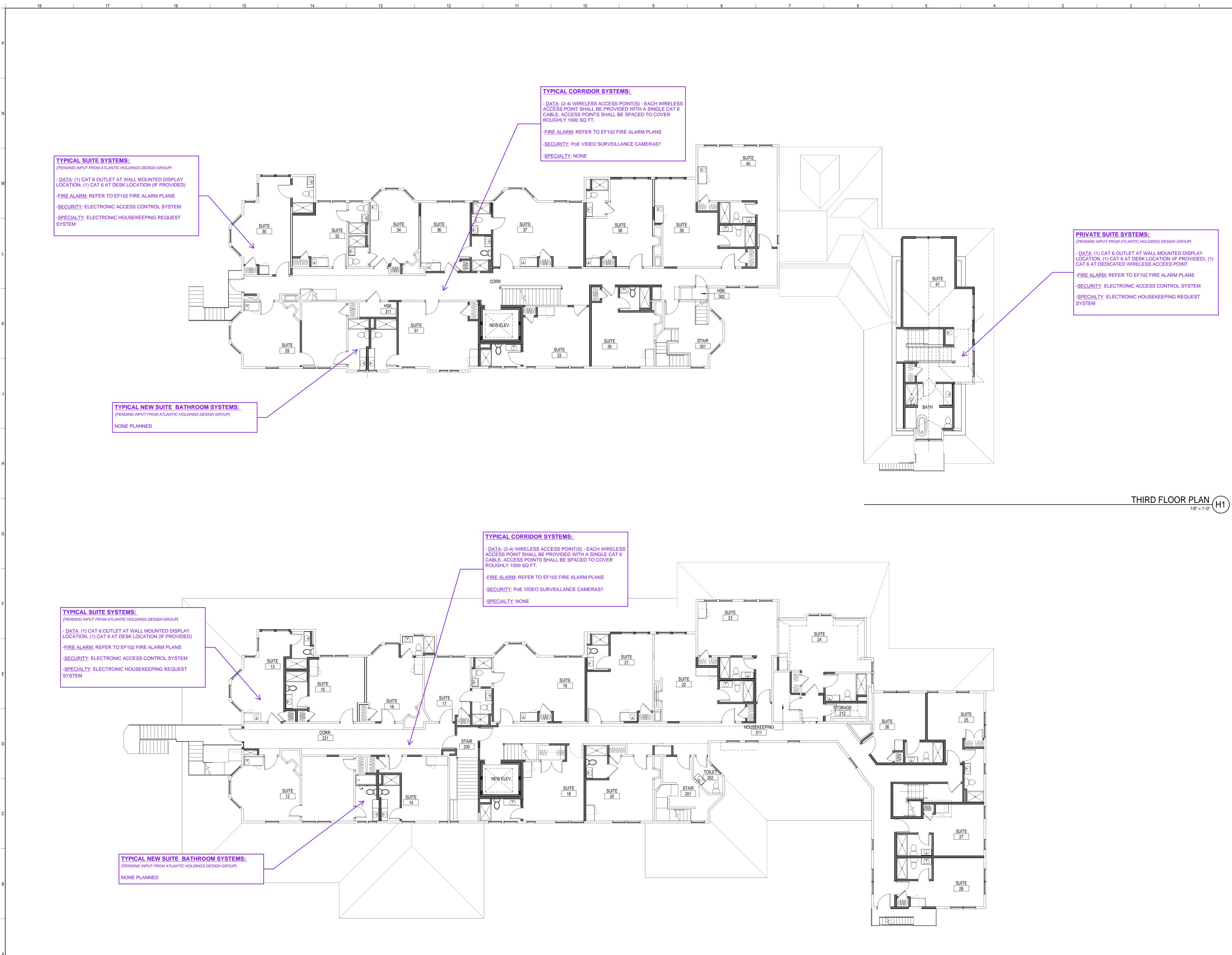
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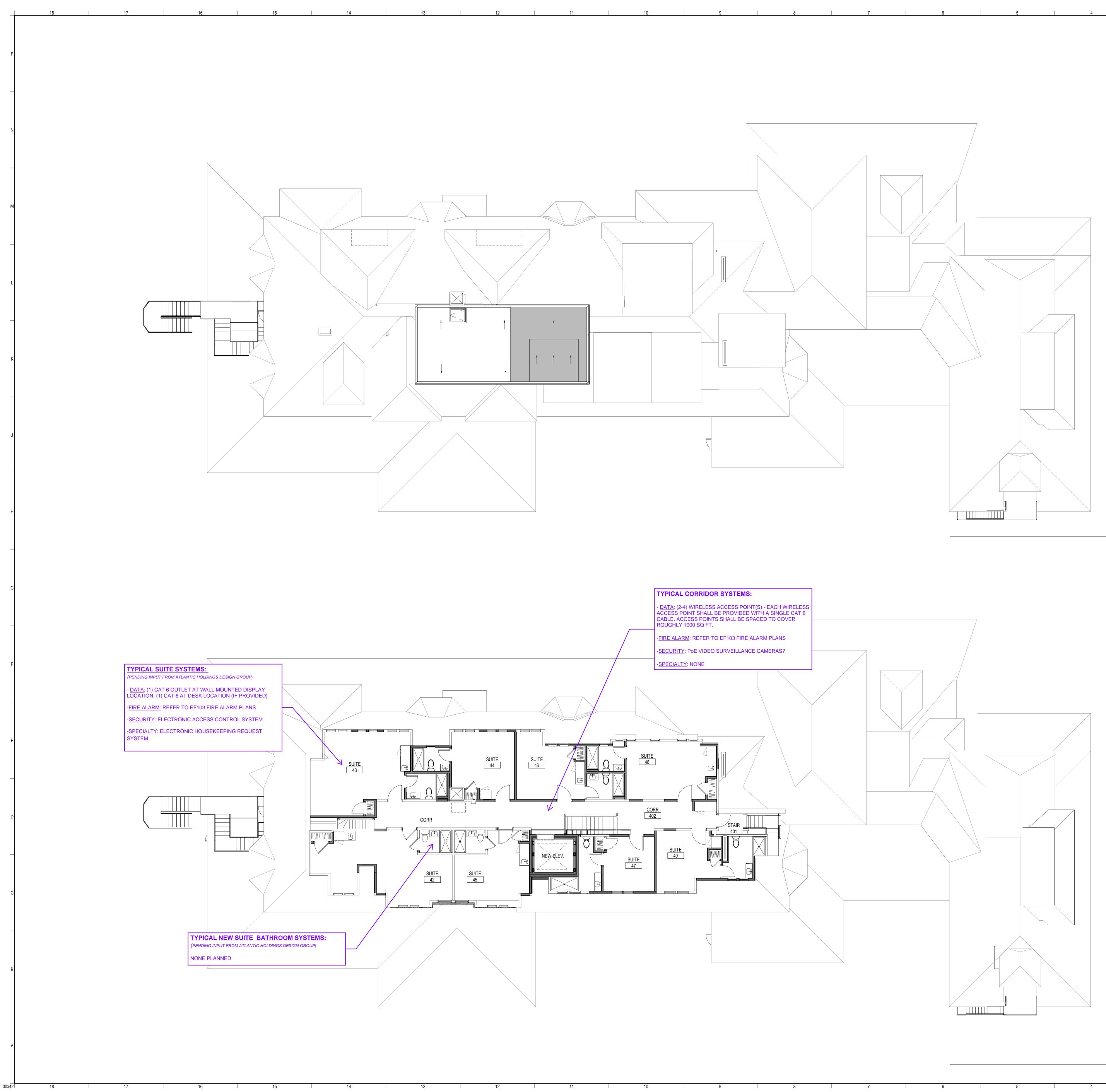
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SECOND FLOOR PLAN 1/8" = 1'-0"

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2ND & 3RD FLOOR PLANS	в
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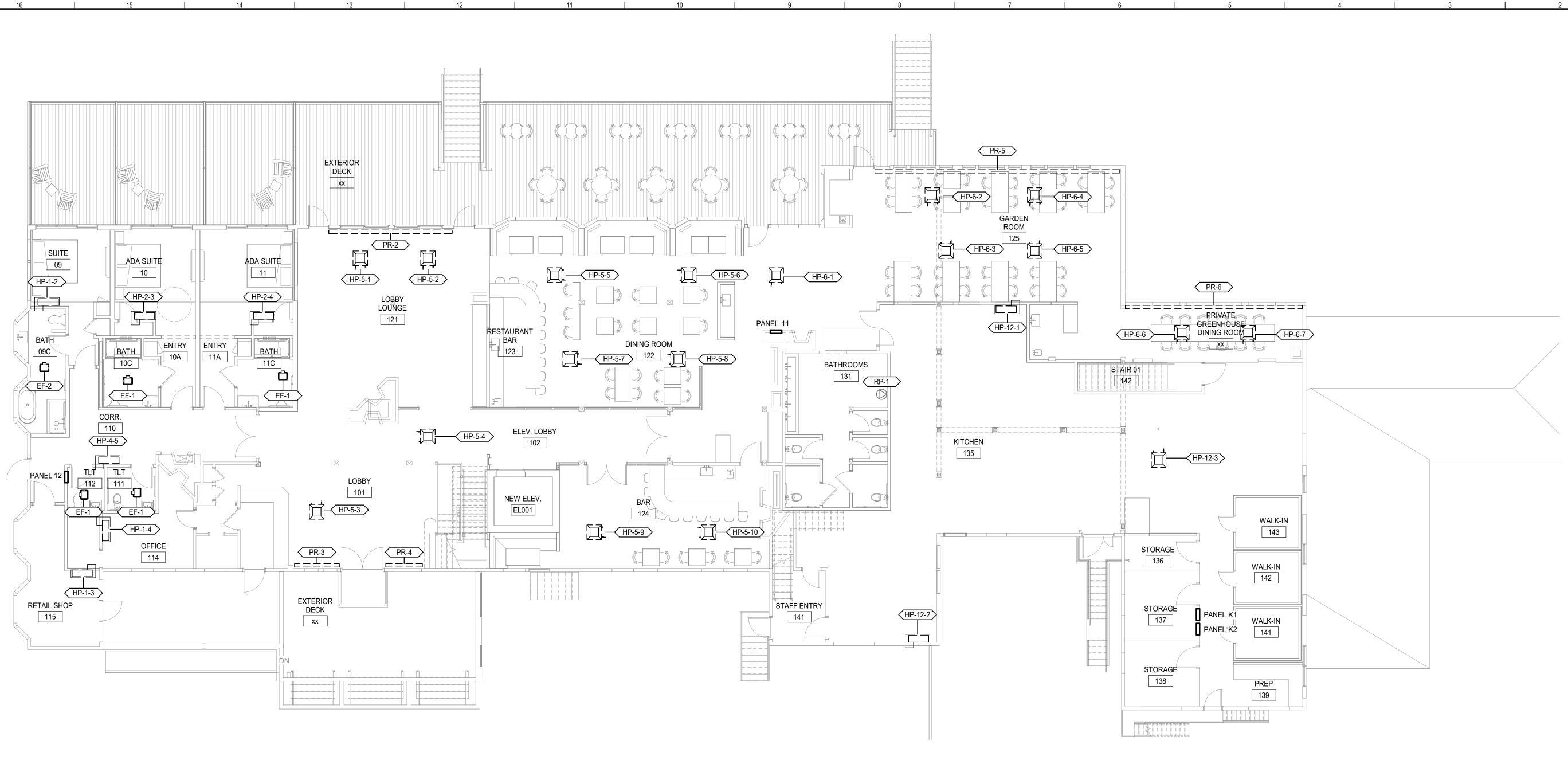


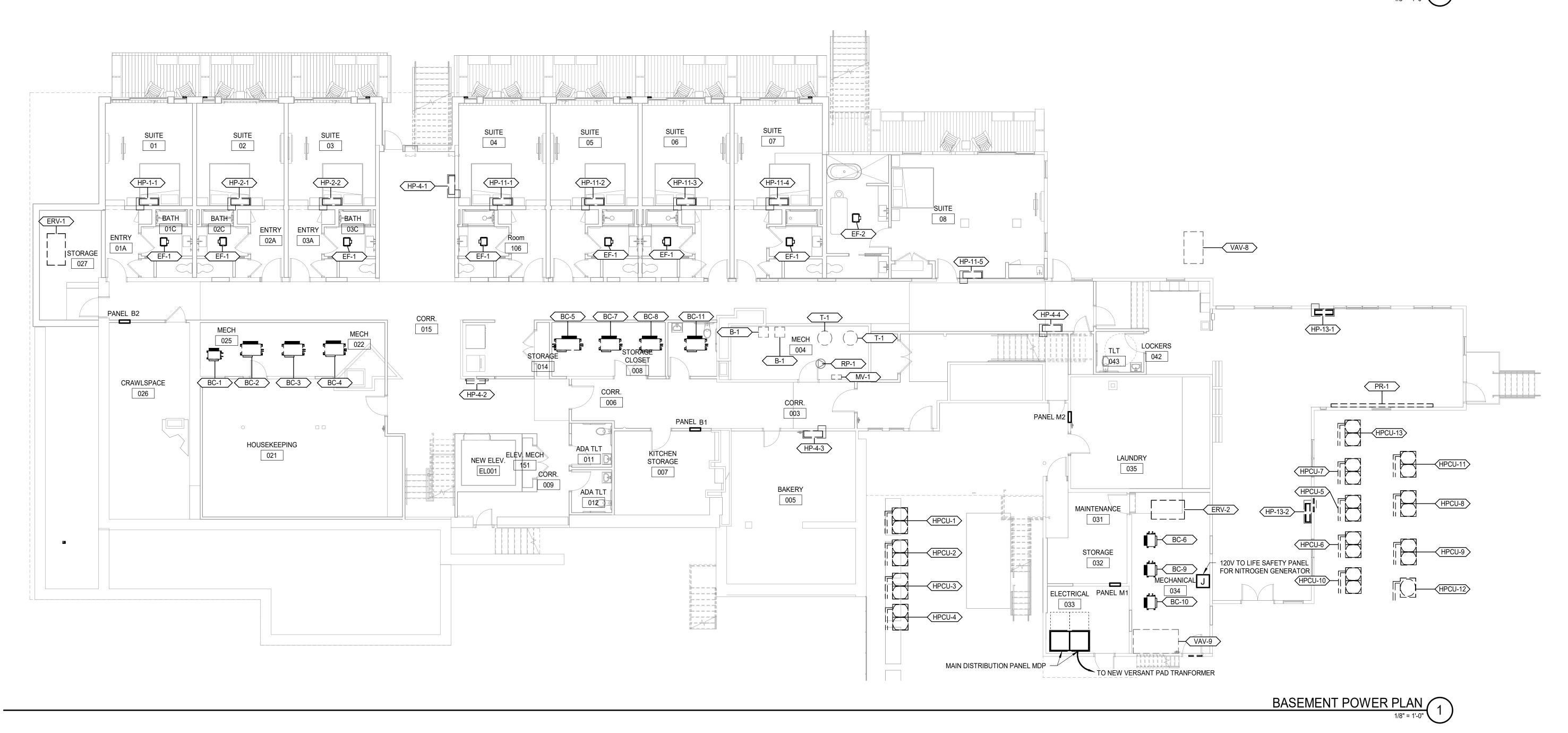
# ROOF PLAN 1/8" = 1'-0" (H1

FOURTH FLOOR PLAN

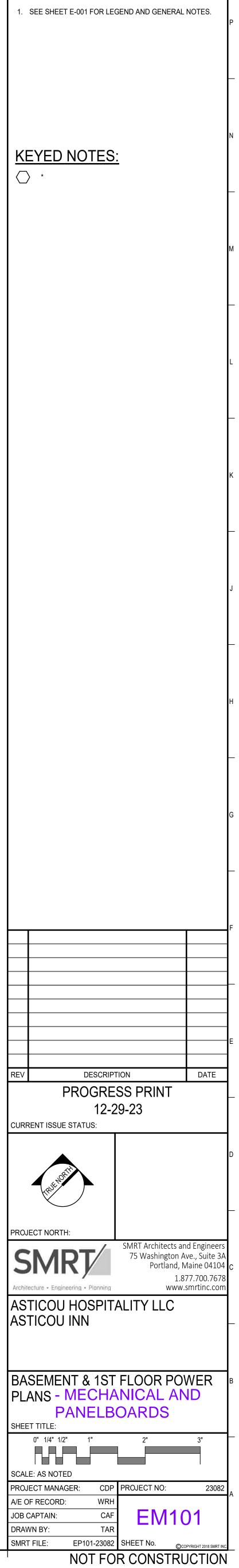
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4TH FLOOR & ROC	OF PLANS		В
0" 1/4" 1/2" 1" SCALE: AS NOTED PROJECT MANAGER: A/E OF RECORD: IOB CAPTAIN: DRAWN BY: SMRT FILE: EY103-23082	2" PROJECT NO: EY10 SHEET No.	3" 23082 <b>)3</b>	A

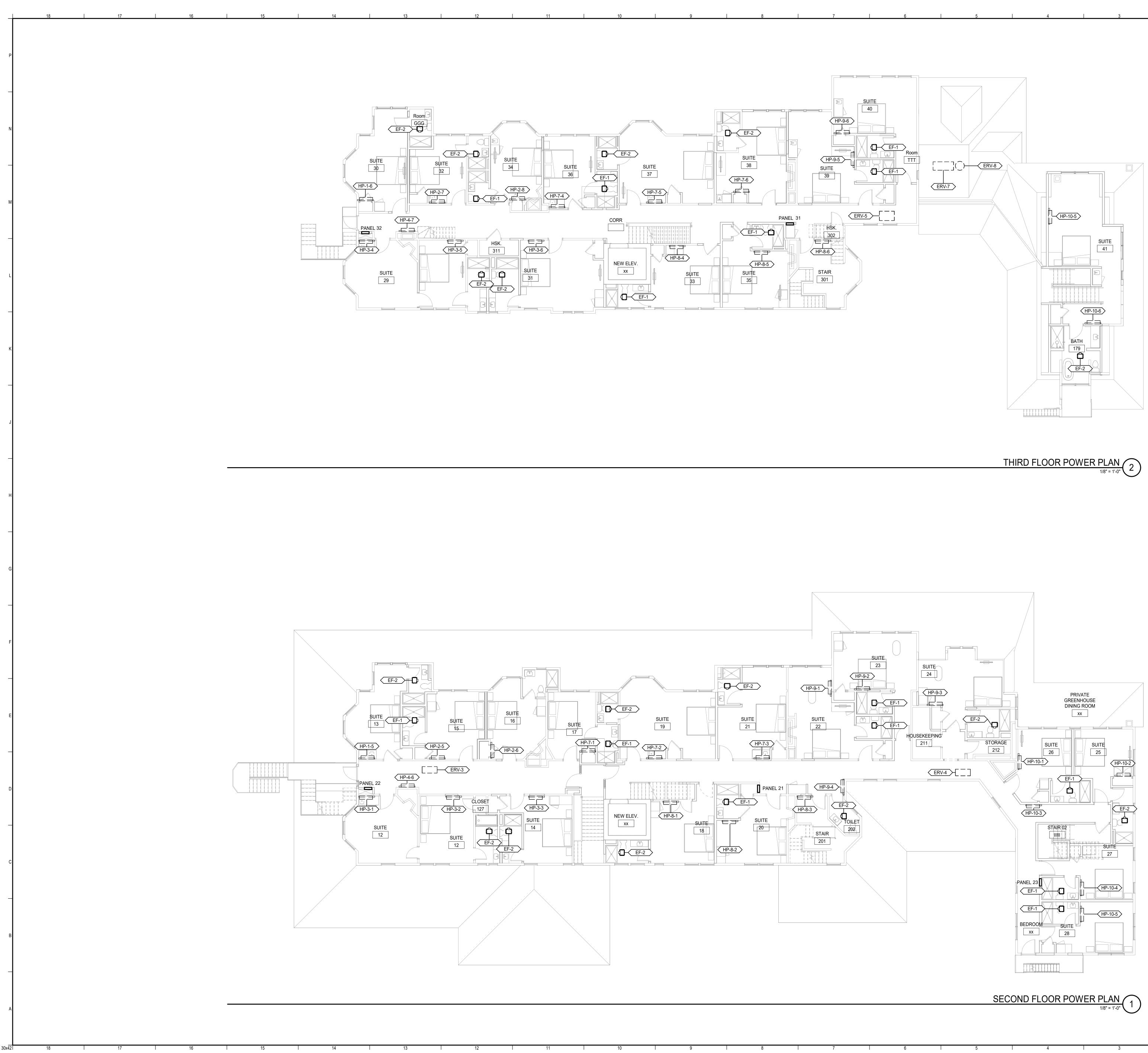


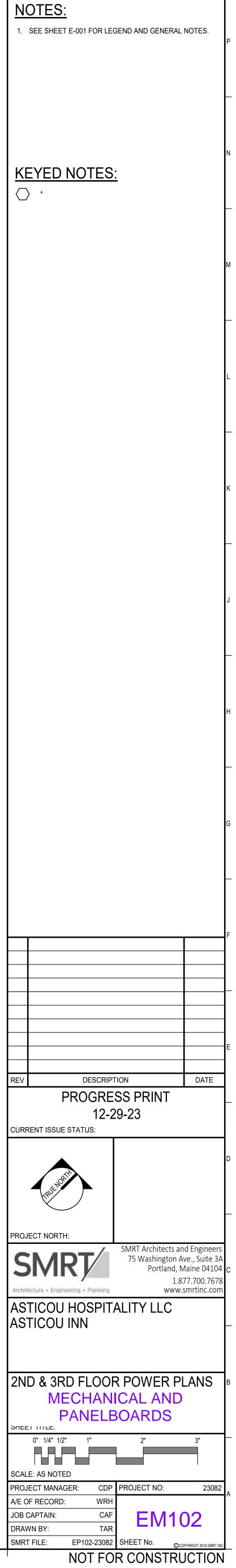


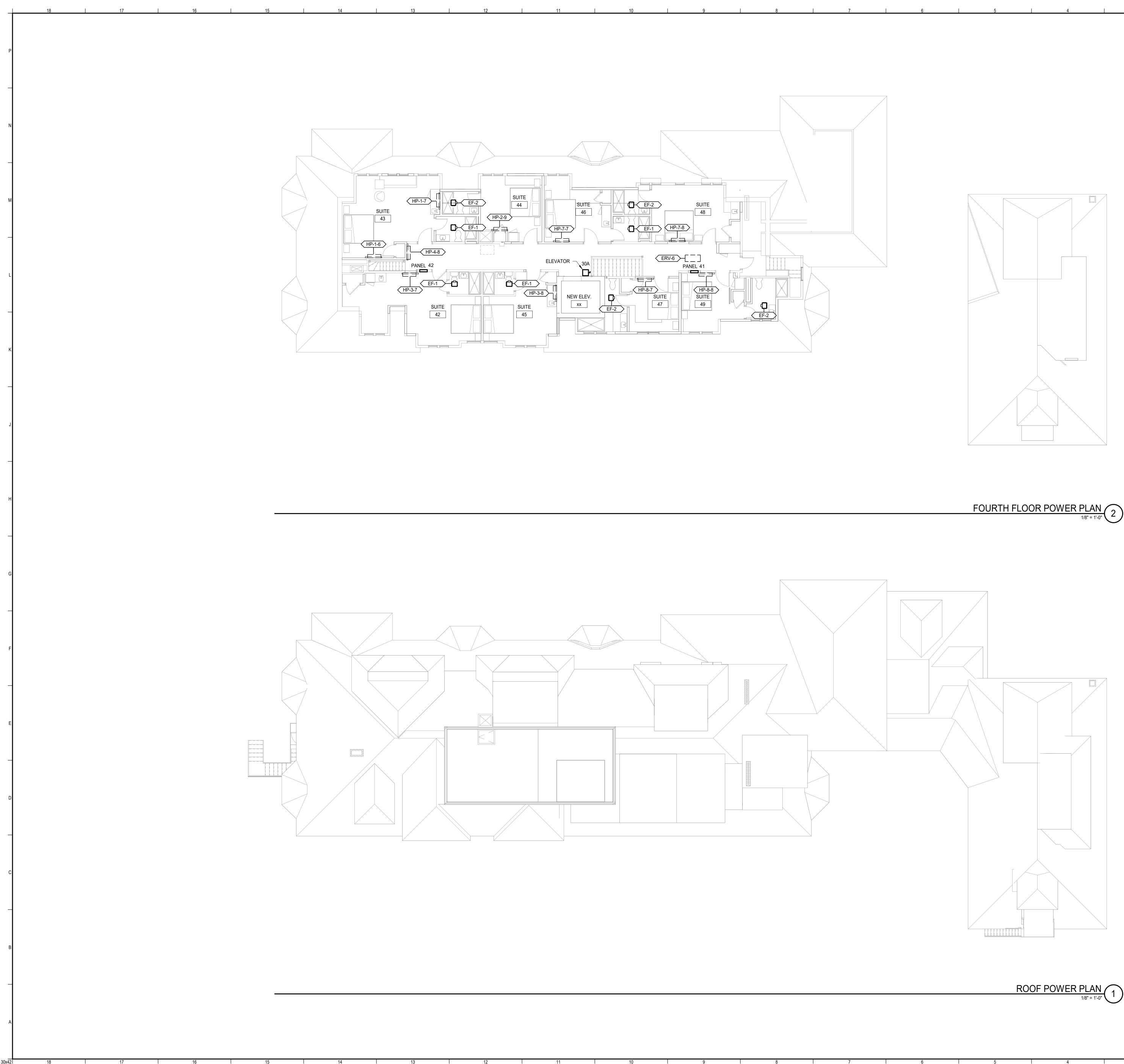




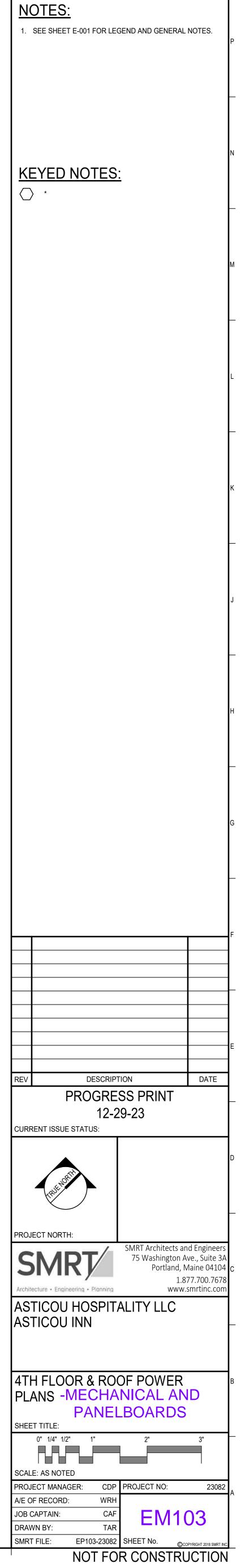
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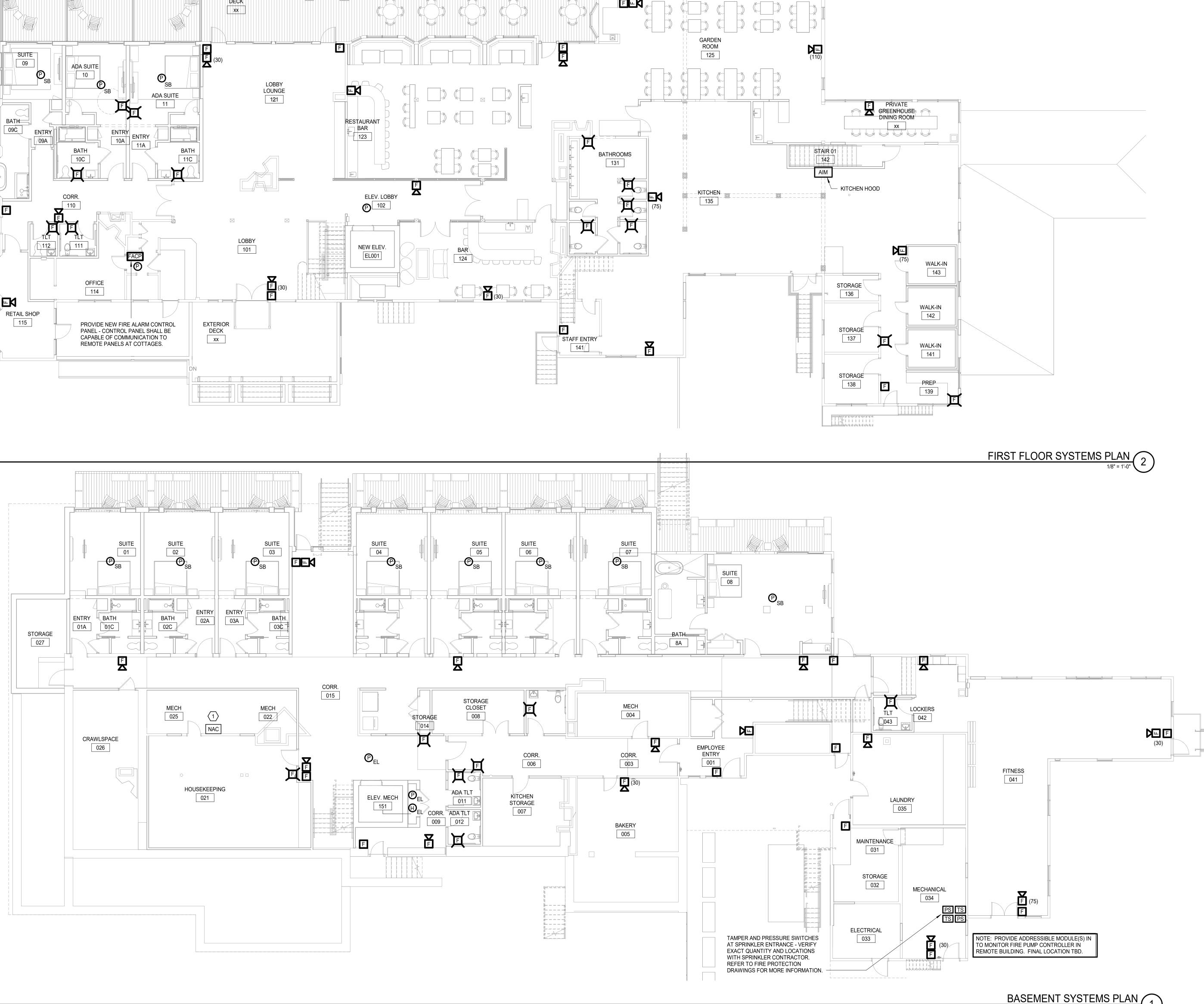




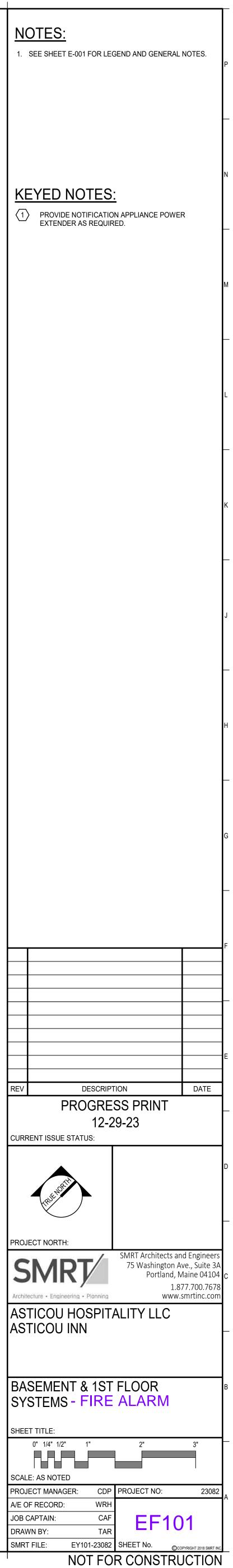


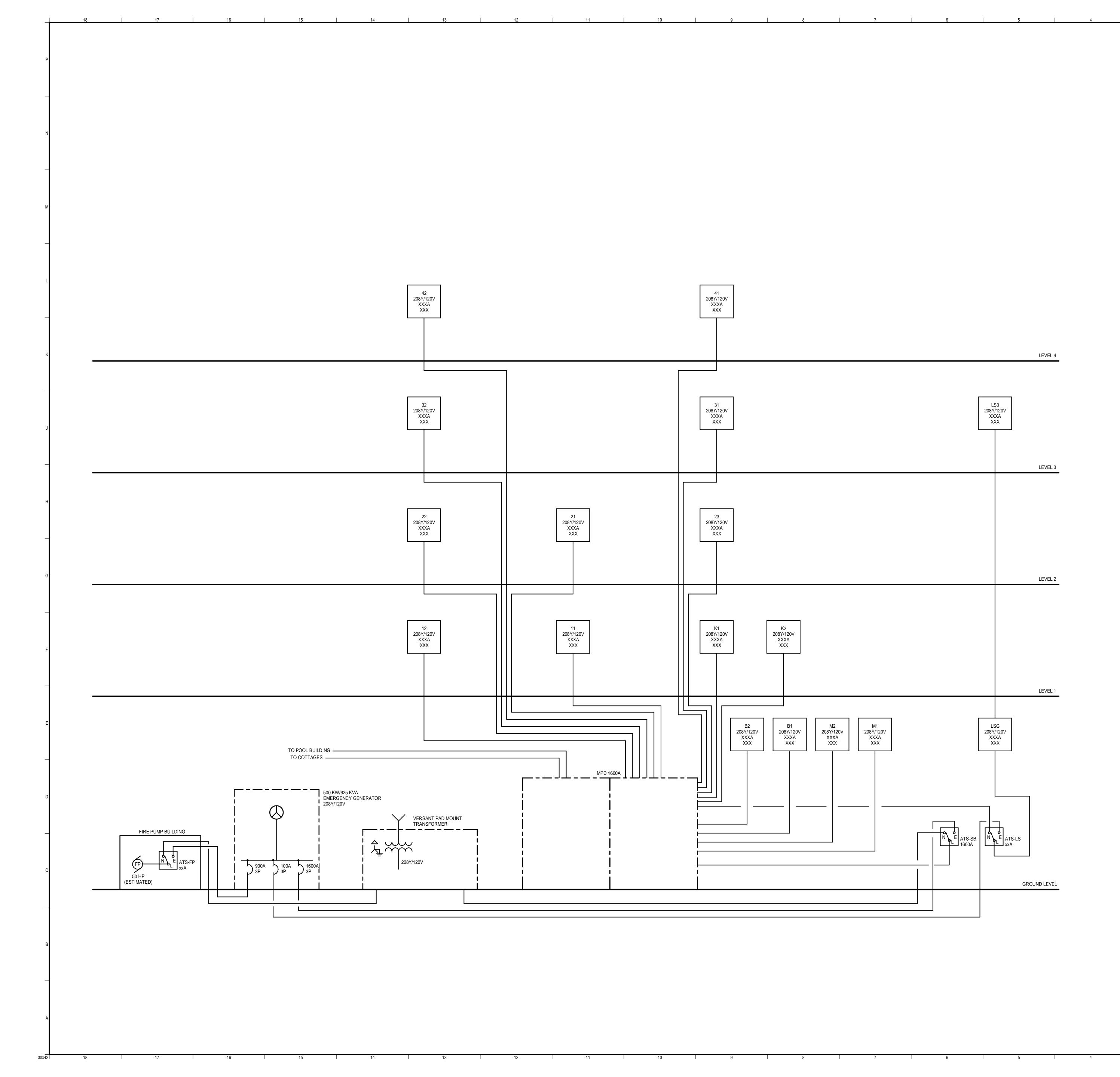






1/8" = 1'-



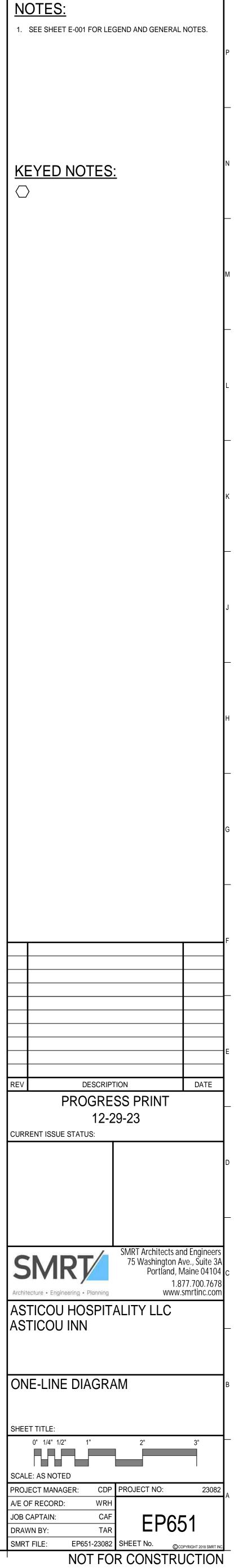


# CABLE SCHEDULE:

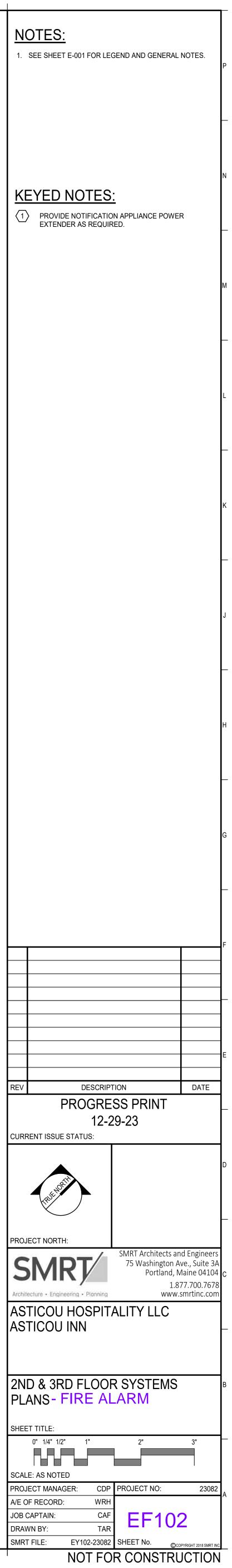
2 #600 KCMIL/Ø (6 CONDUCTORS), 2 #600 KCMIL NEUTRALS & 2 #1/0 GND, 2-4"C

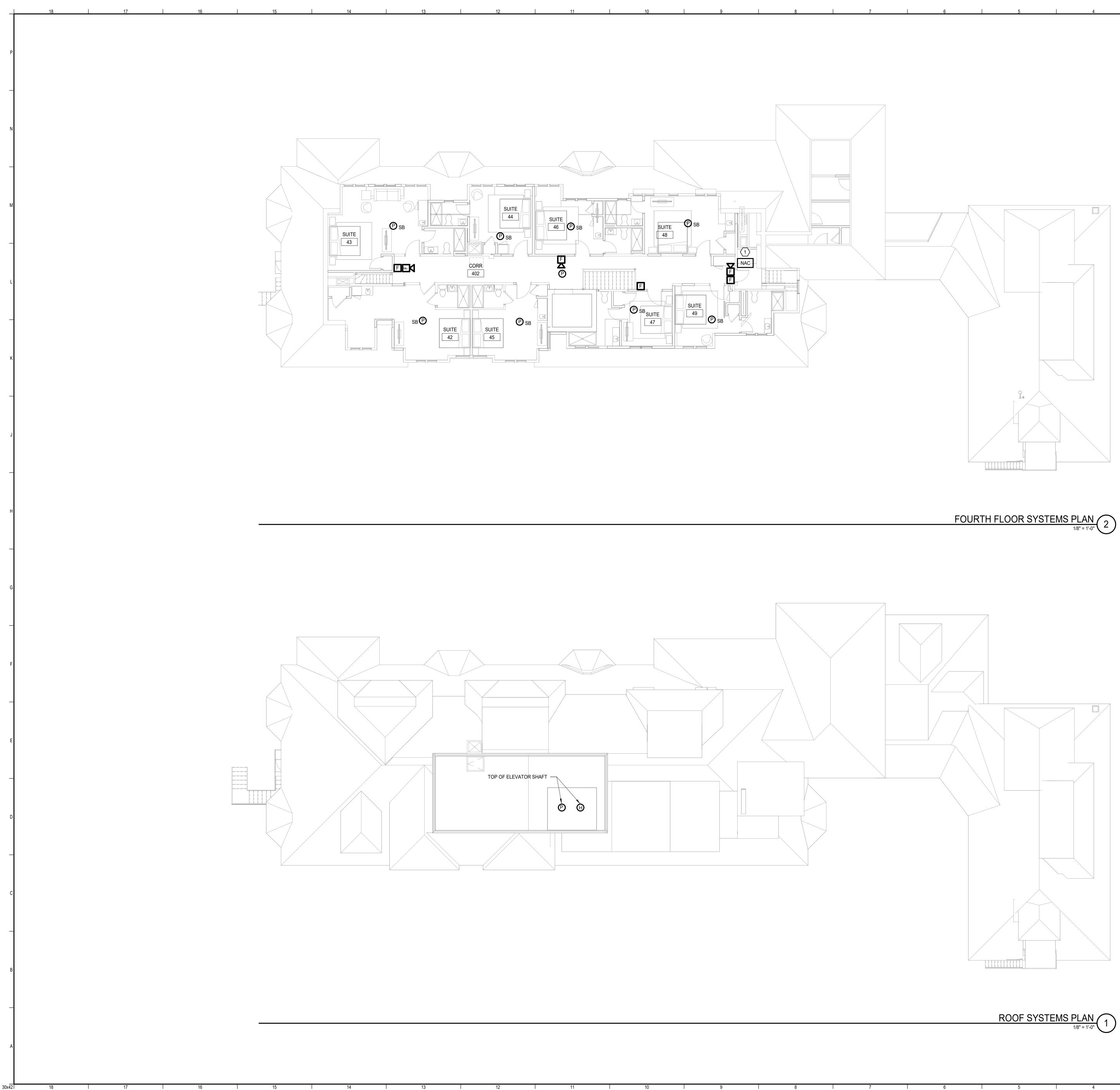
- 2 #350 KCMIL/Ø (6 CONDUCTORS), 2 #350 KCMIL NEUTRALS & 2 #1 AWG GND, 2 -3"C
- 3 #3/0 AWG & #6 GND, 2 1/2"C
- 4 #600 KCMIL & #1/0 GND, 3 1/2"C 4 #2 AWG & #8 GND, 1 1/4"C
- 6 4 #1/0 AWG & #6 GND, 2"C
- 7 3 #2 AWG & #8 GND, 1 1/4"C
- 8 4 #4/0 AWG & #4 GND, 2 1/2"C

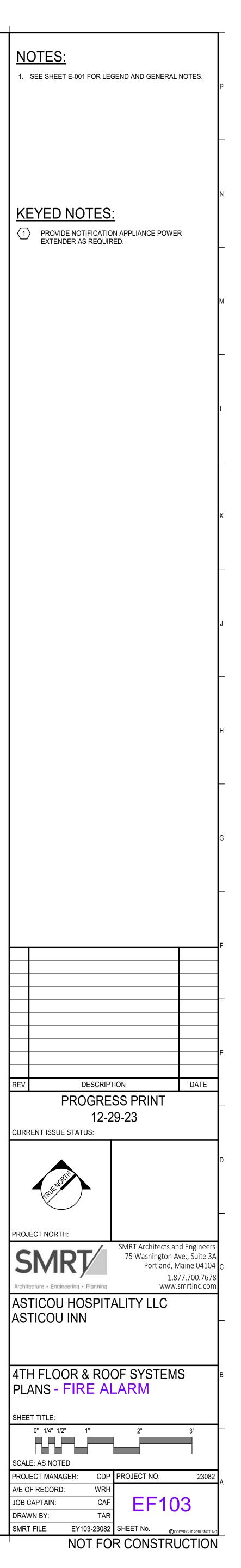
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