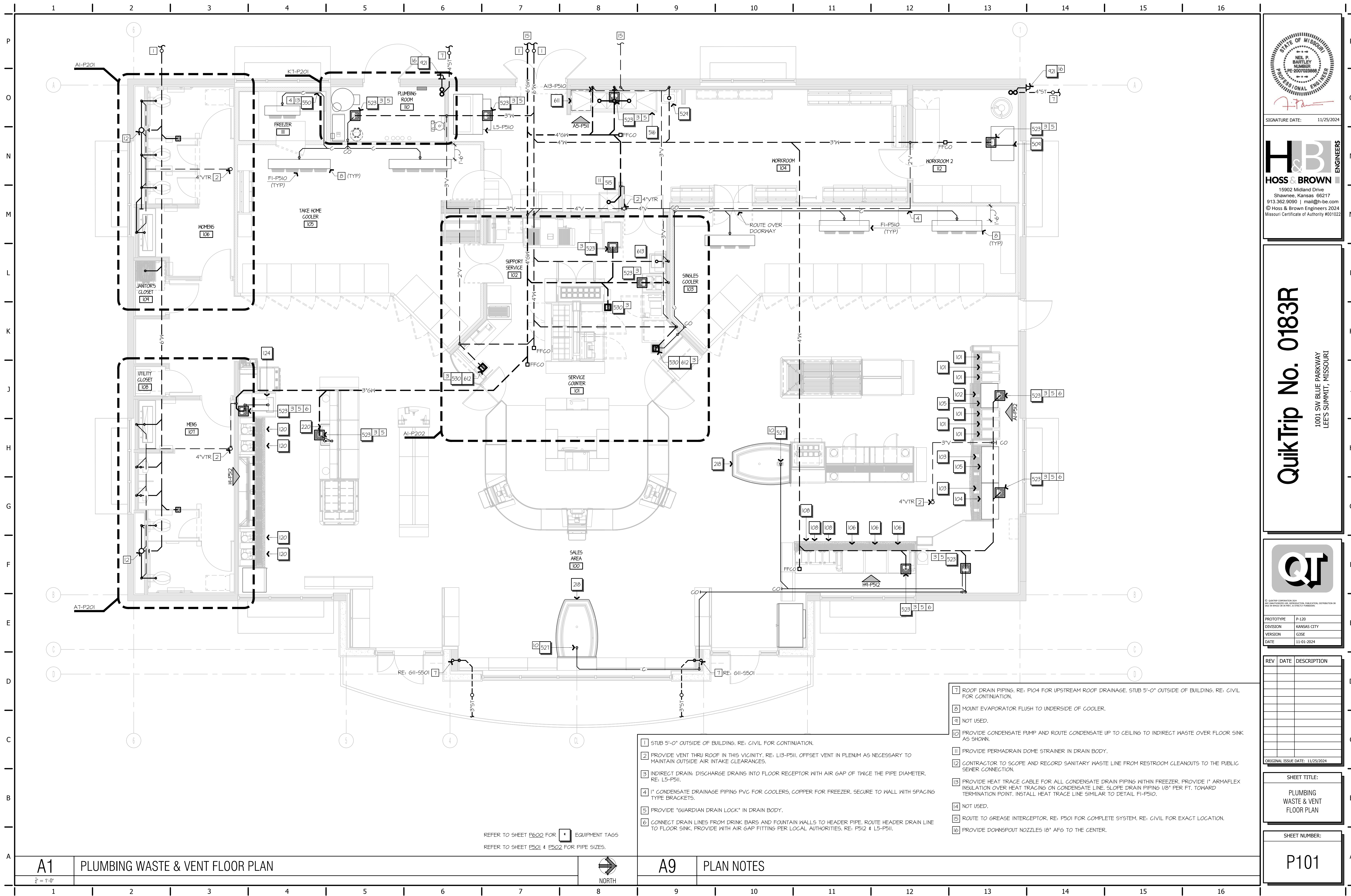
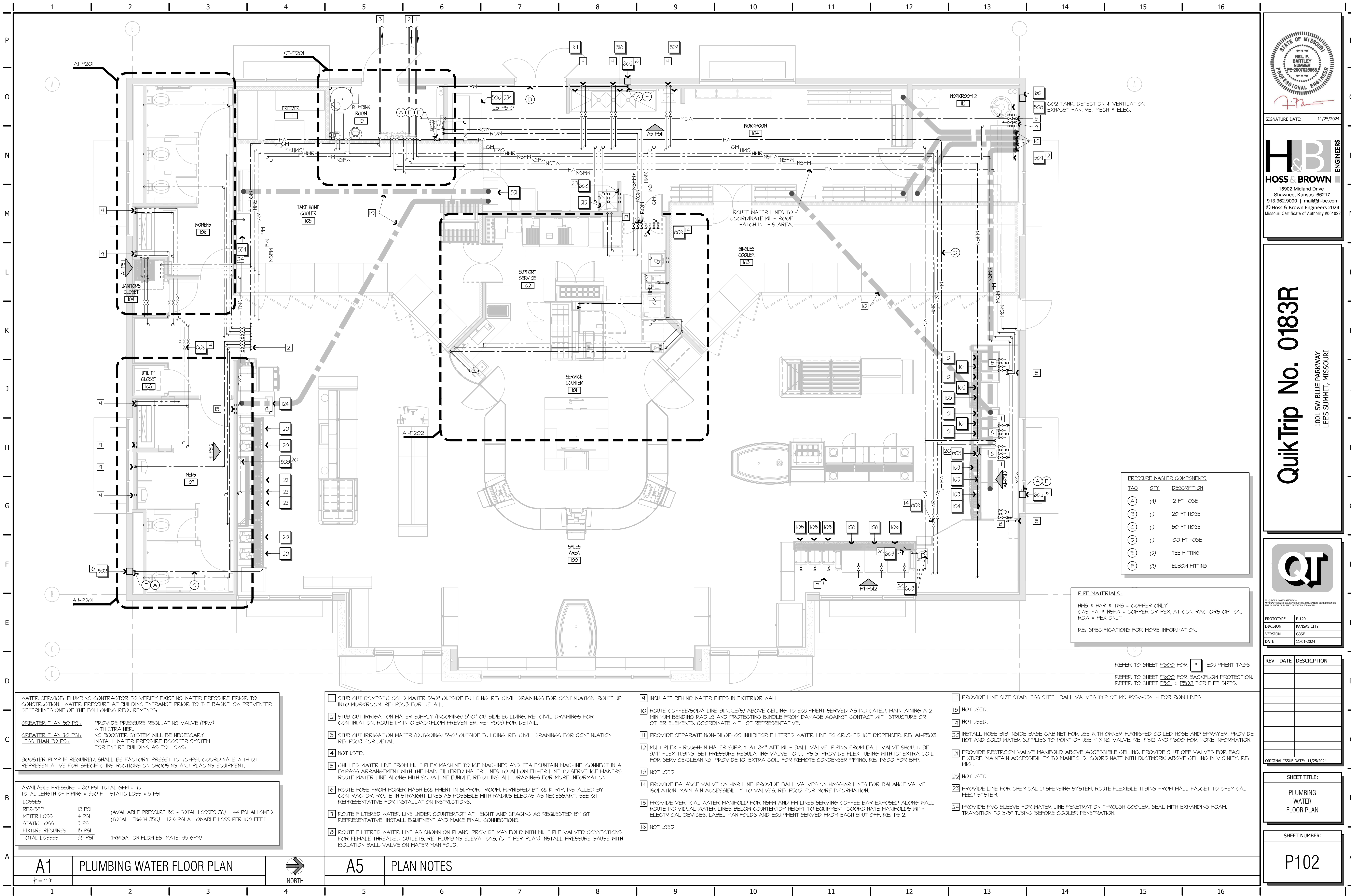






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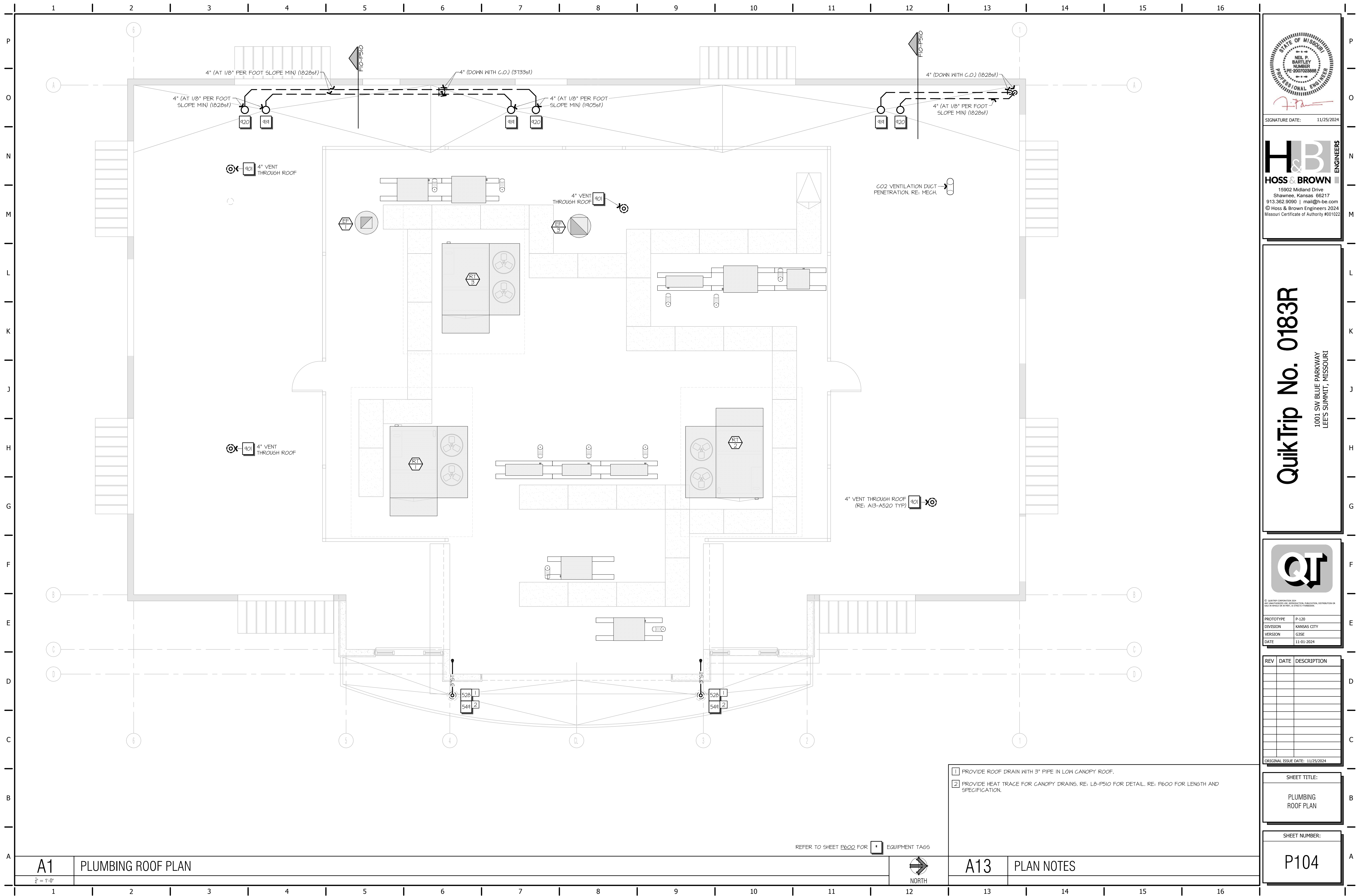
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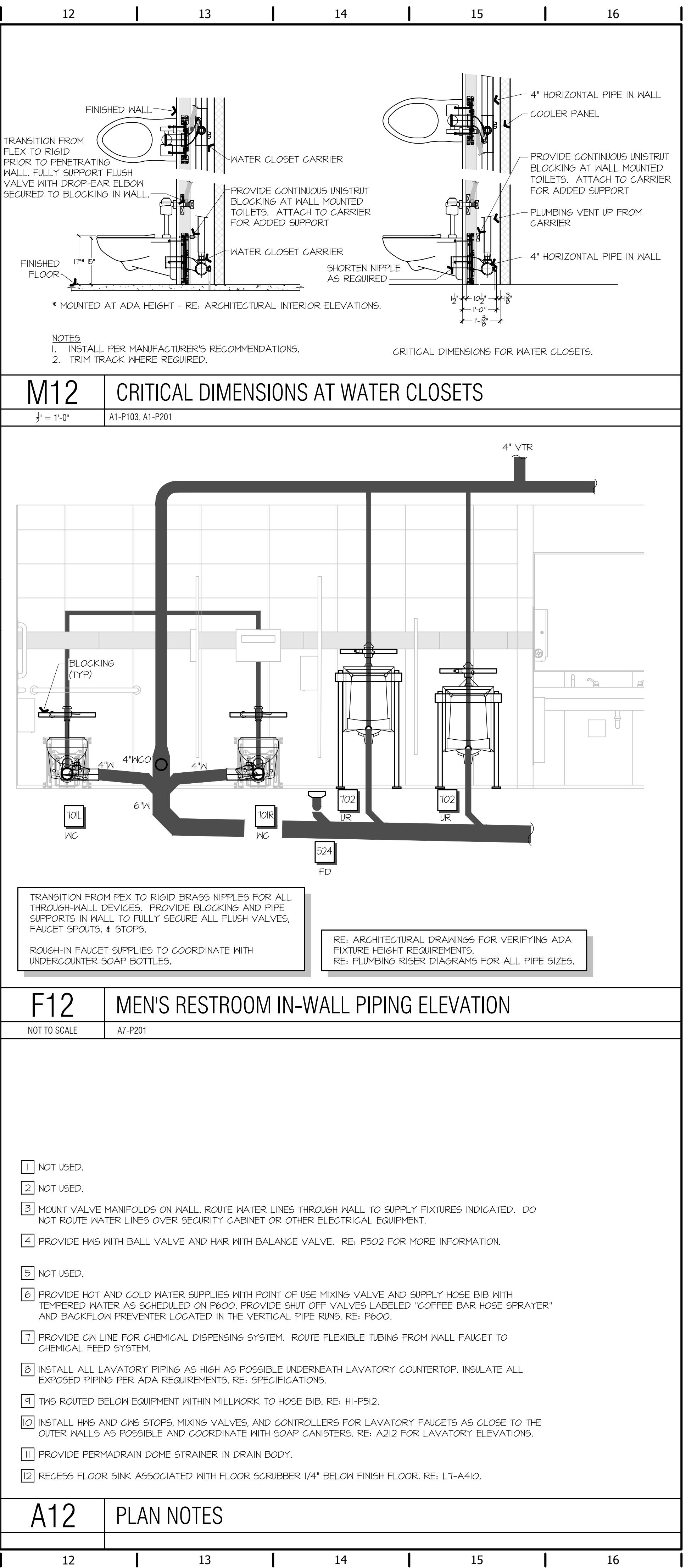
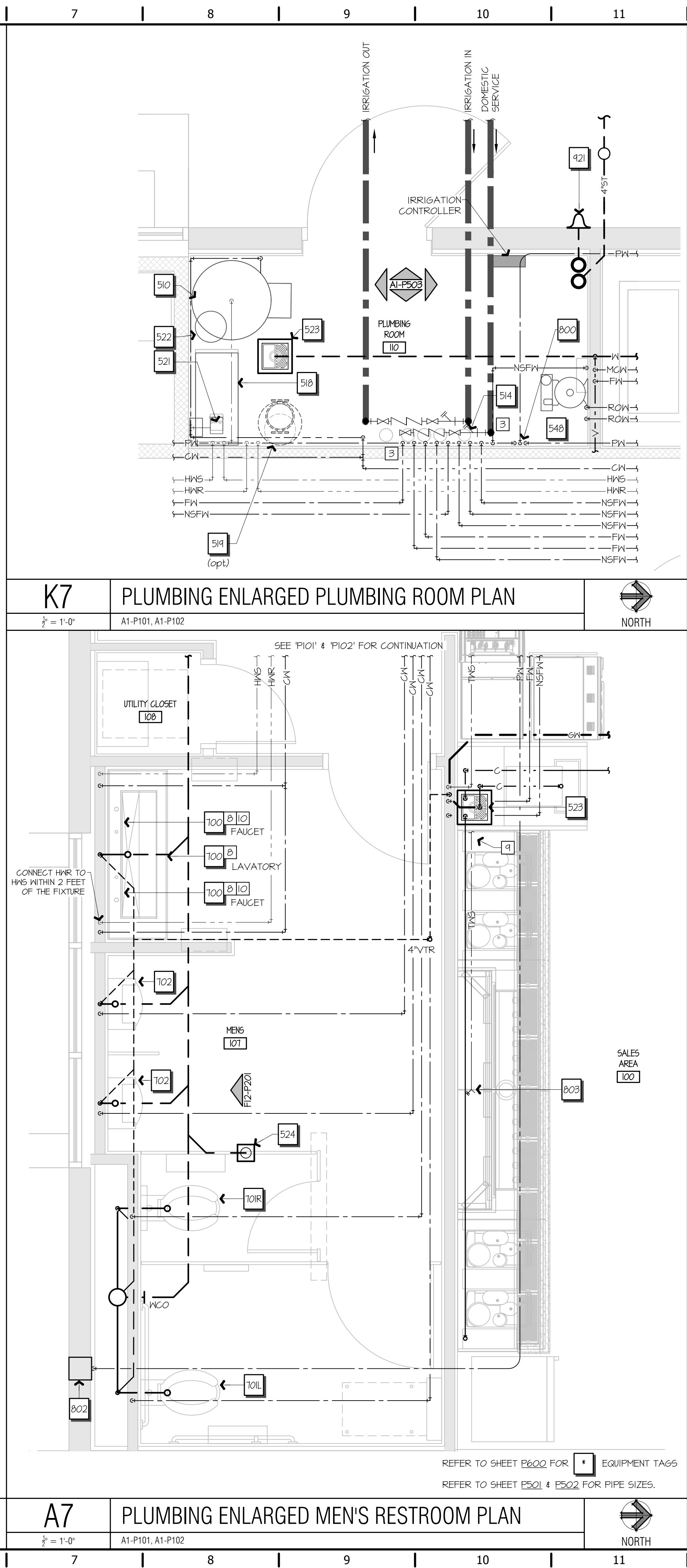
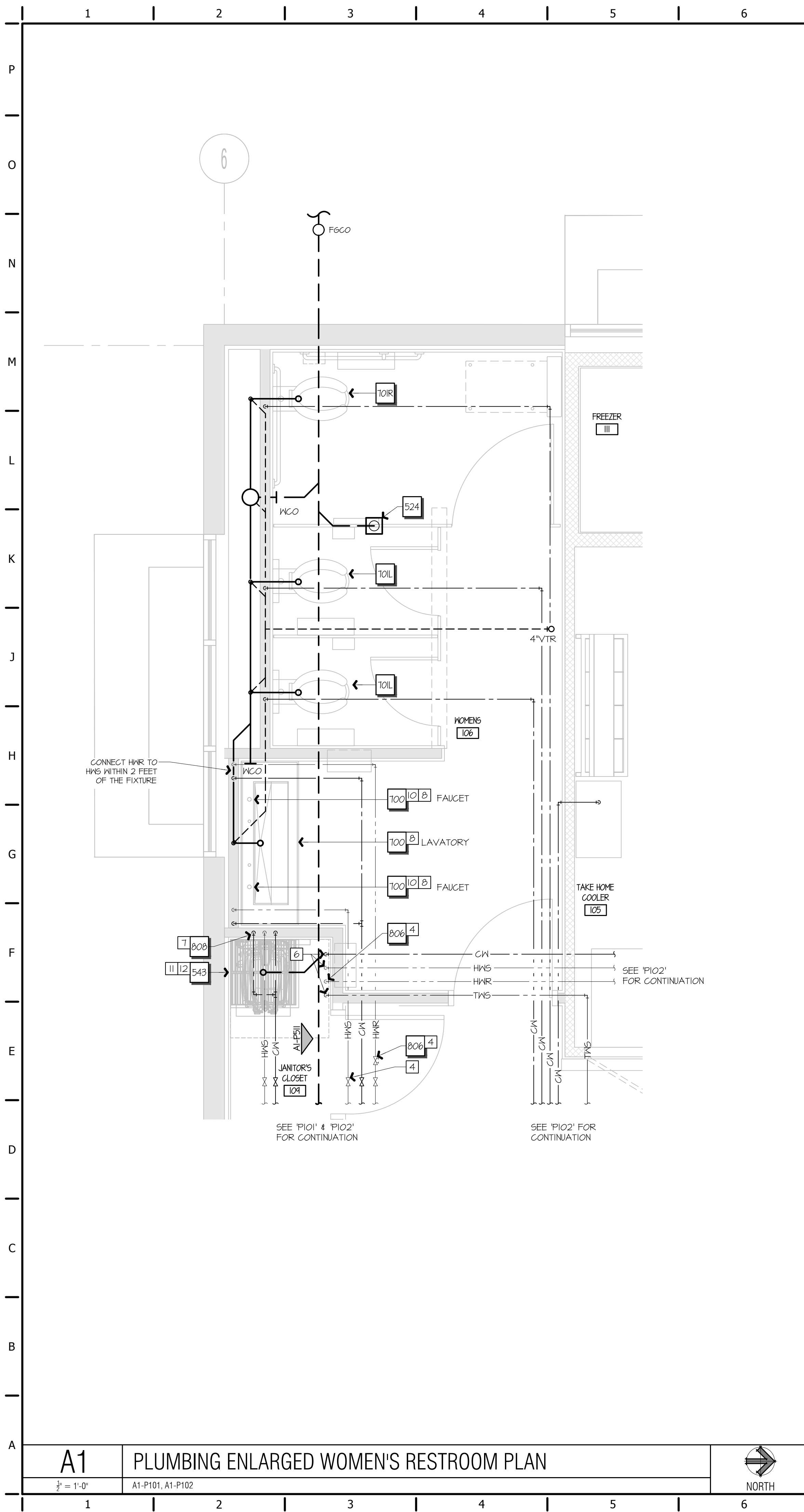
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DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-01-2024

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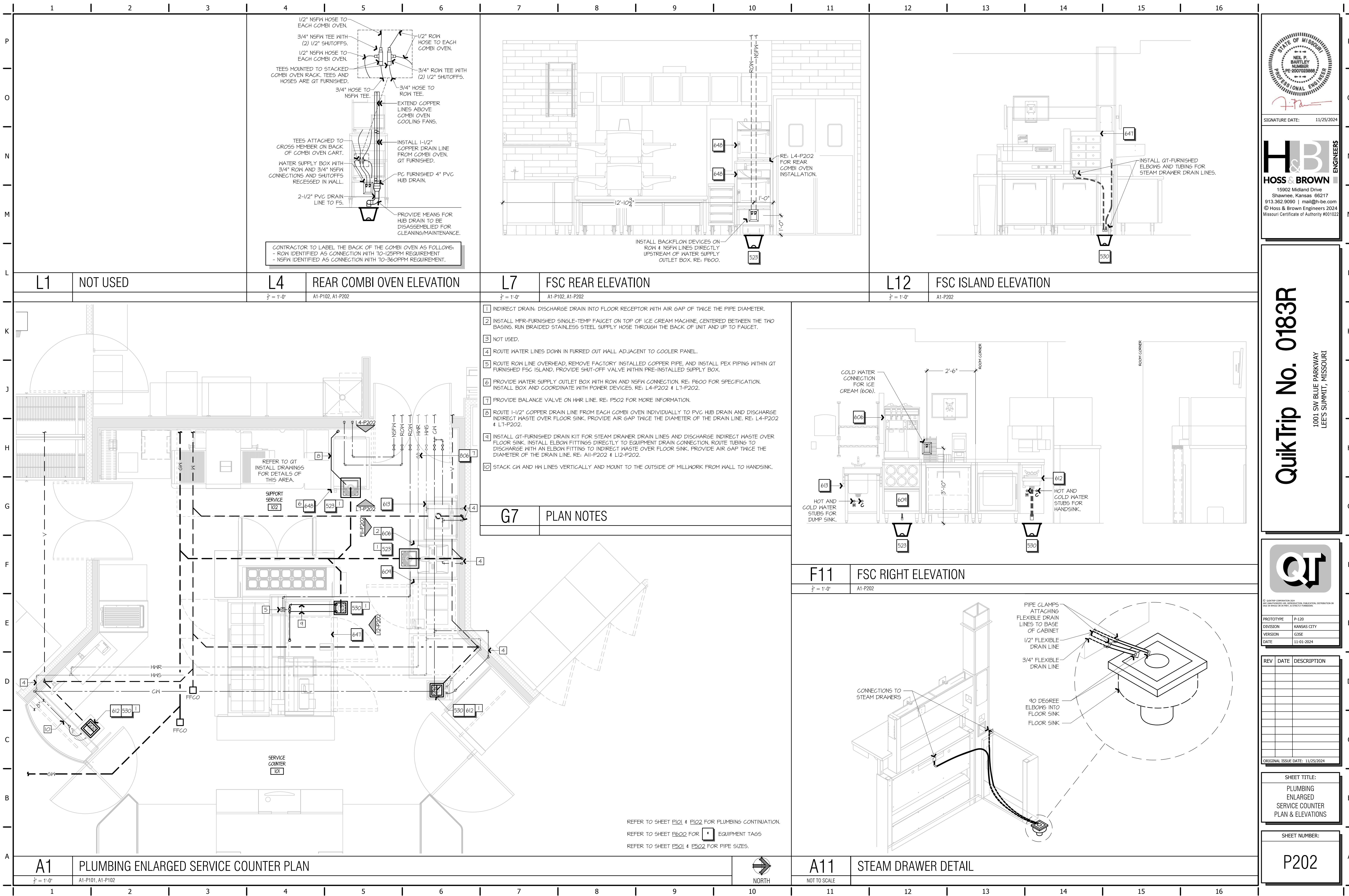
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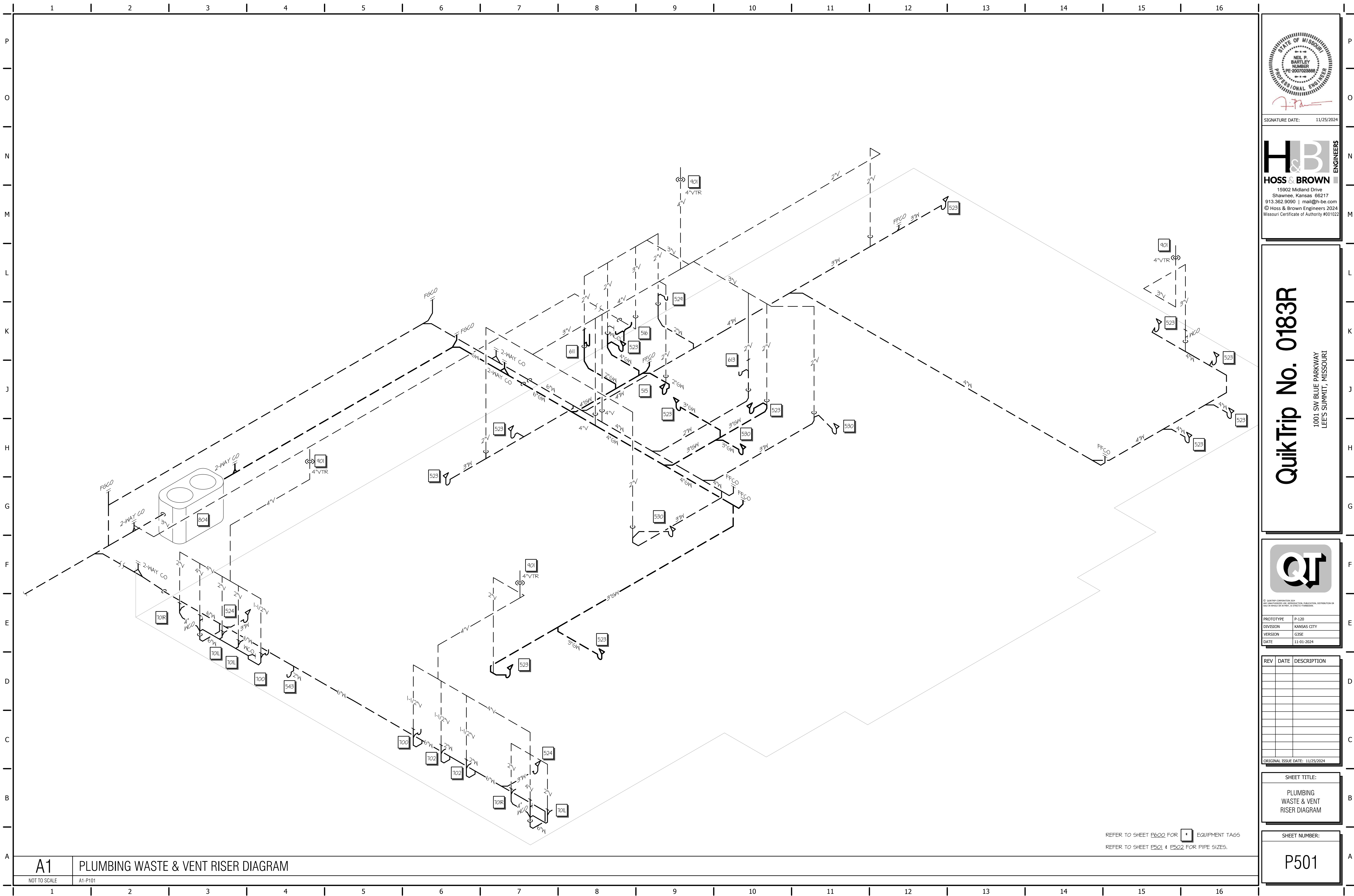
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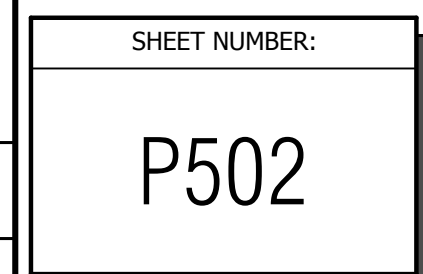




 		
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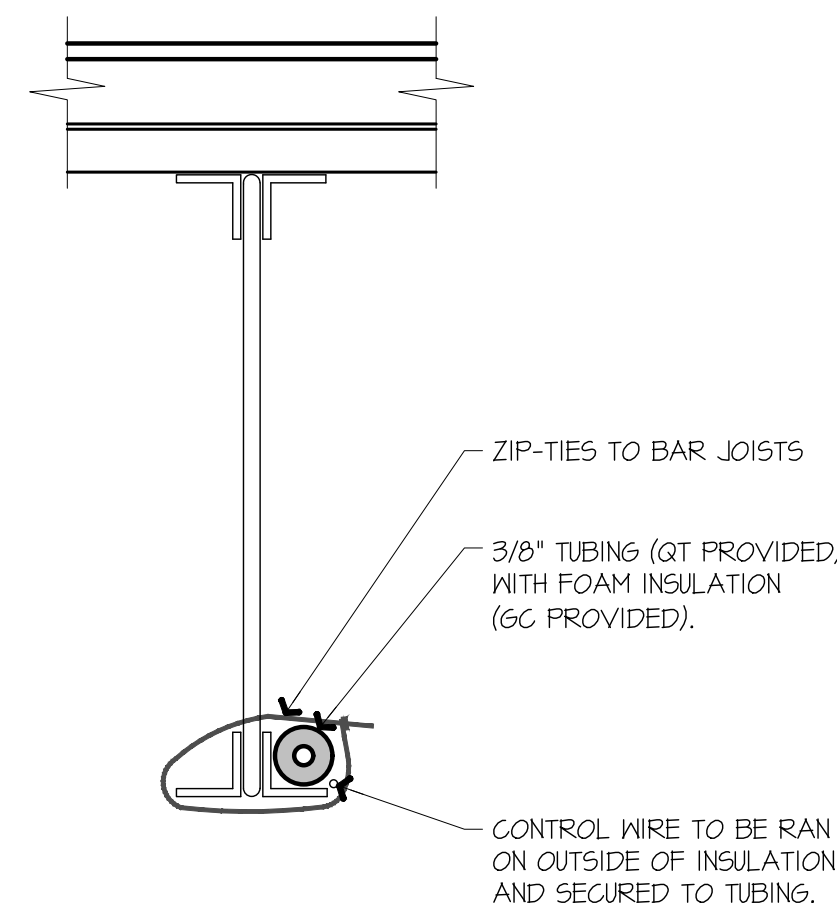




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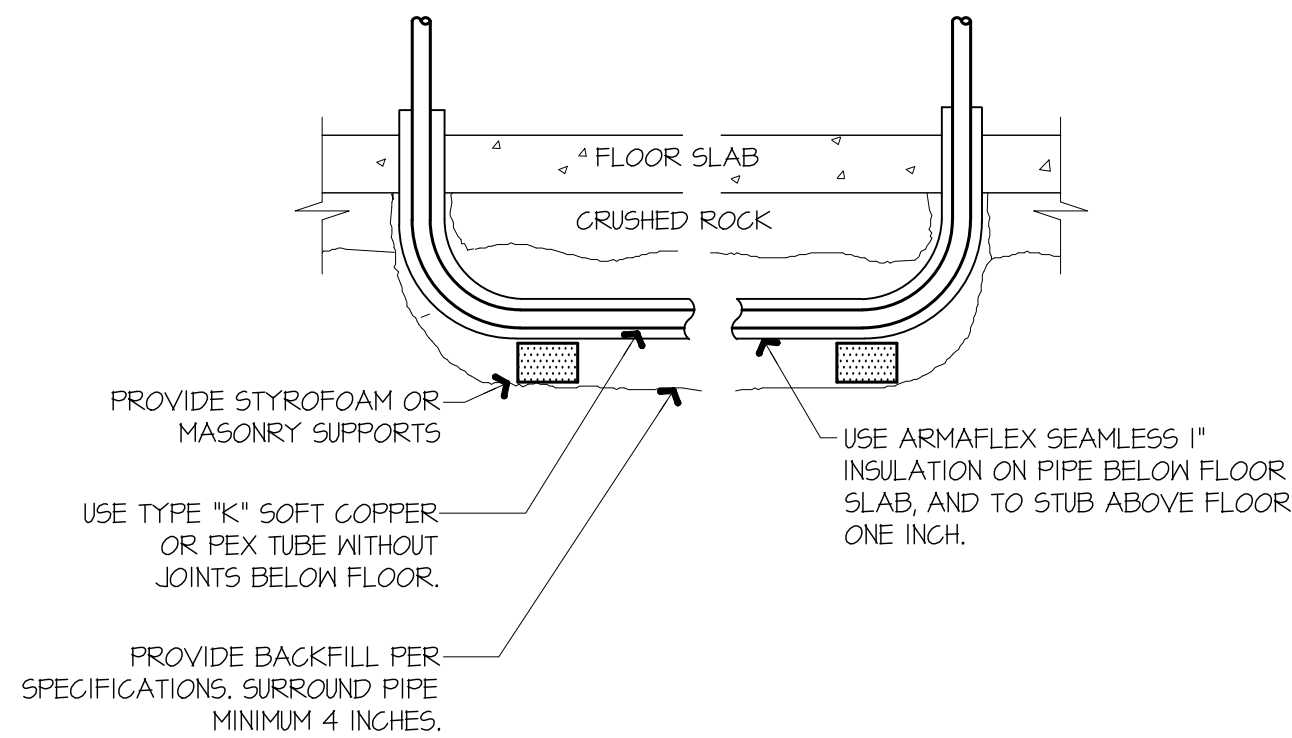
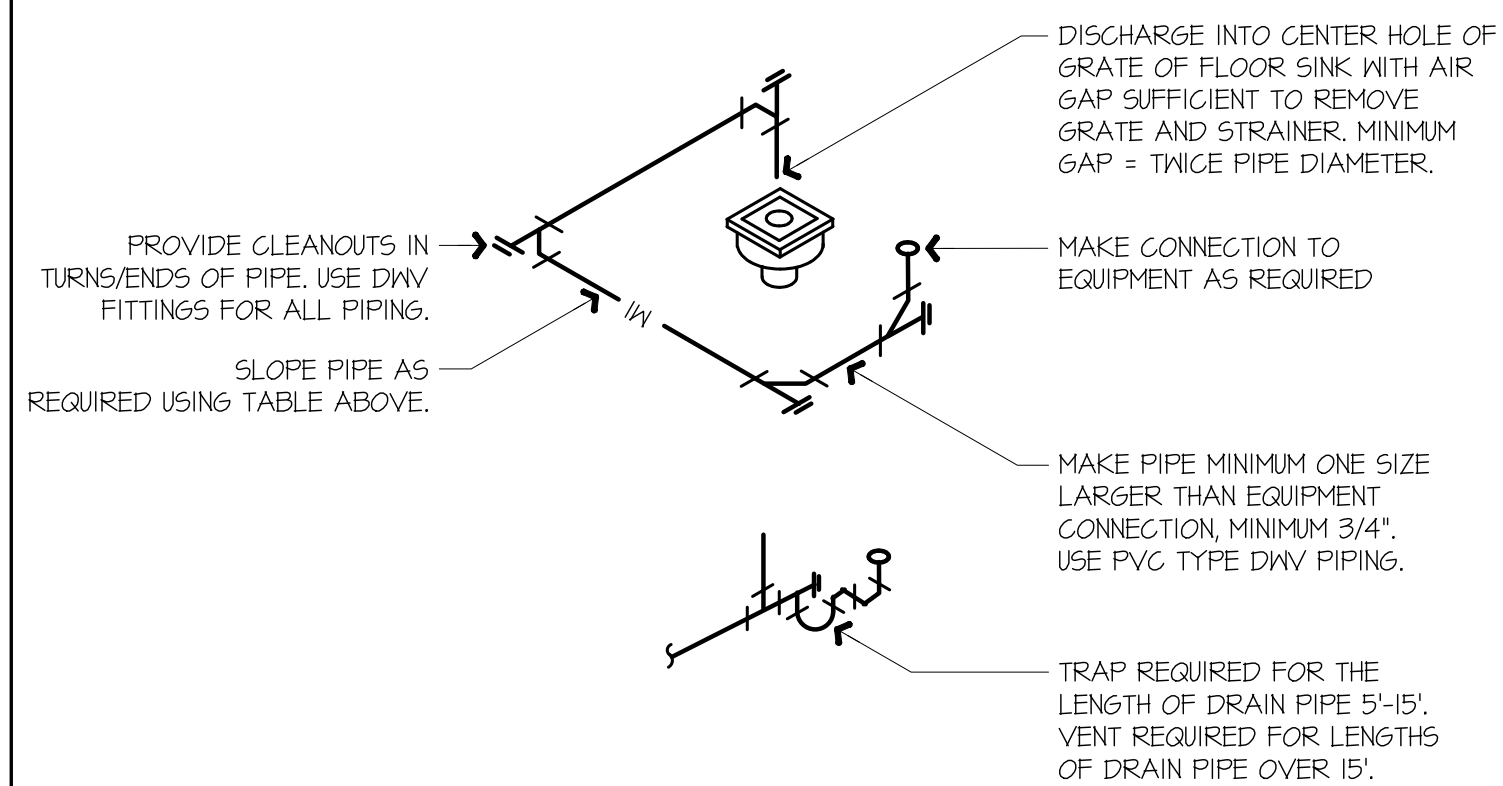
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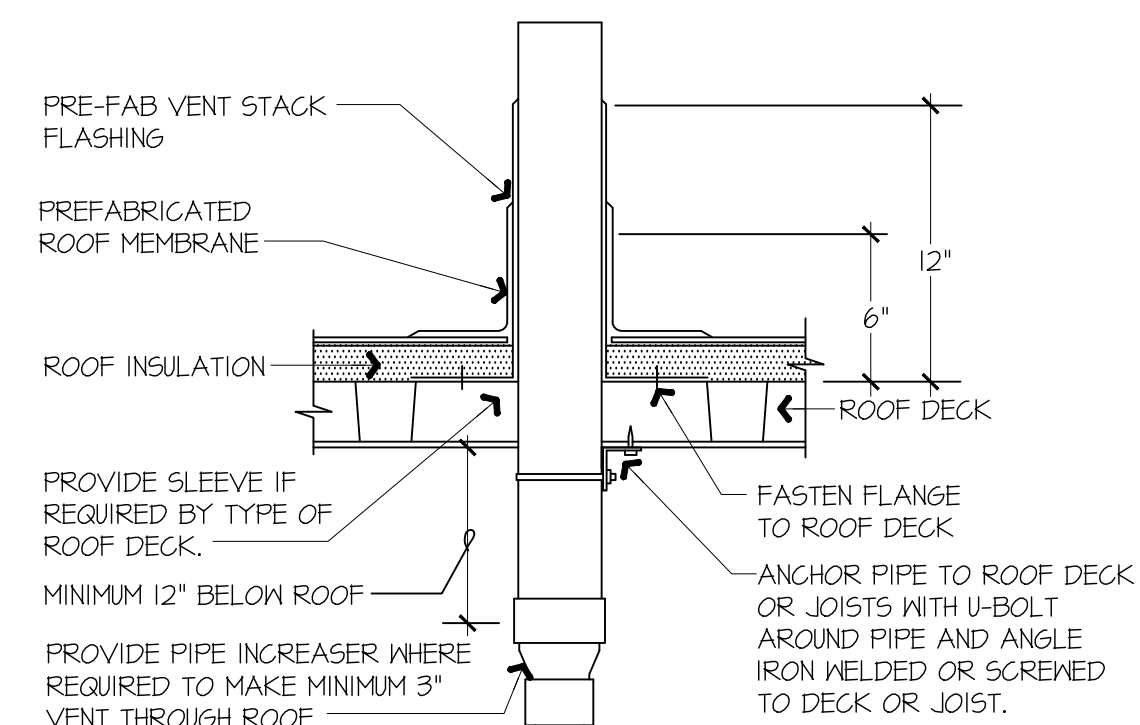


SLOPE OF HORIZONTAL DRAINAGE PIPE	
SIZE (INCHES)	MINIMUM SLOPE (INCHES PER FOOT)
2-1/2 OR LESS	1/4
3 TO 6	1/8
8 OR LARGER	1/16

ROUTE PIPE INCONSPICUOUSLY AND UNOBTUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.



IF FLOOR SLAB IS EXISTING, SAW CUT, EXCAVATE, BACK- FILL,
REPAIR VAPOR BARRIER, PATCH CONCRETE FLOOR.



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR TWO FEET FROM ANY VERTICAL SURFACE. PROVIDE 1/2" UNICELLULAR INSULATION ON VENT PIPE INSIDE BUILDING WITHIN TEN FEET OF VENT THROUGH ROOF LOCATION.

ALSO RE: A13-A520 WHICH TAKES PRECEDENCE WITH REGARD TO ROOFING MEMBRANE INSTALLATION.



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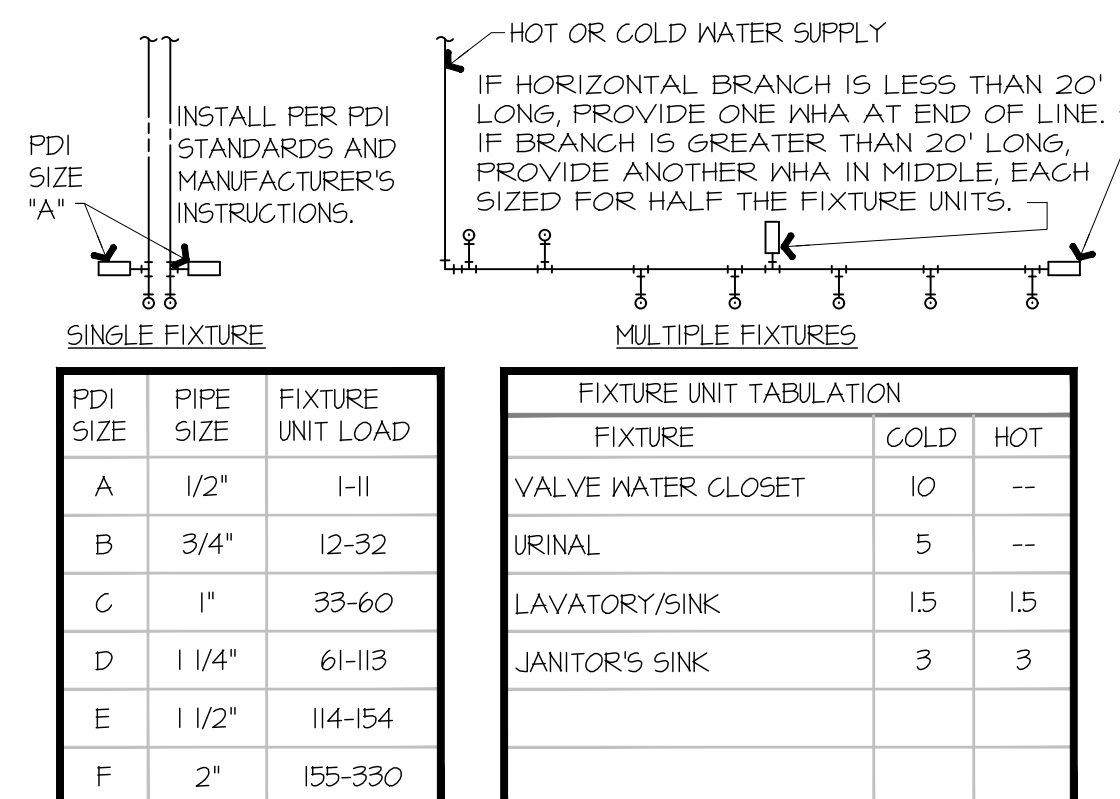
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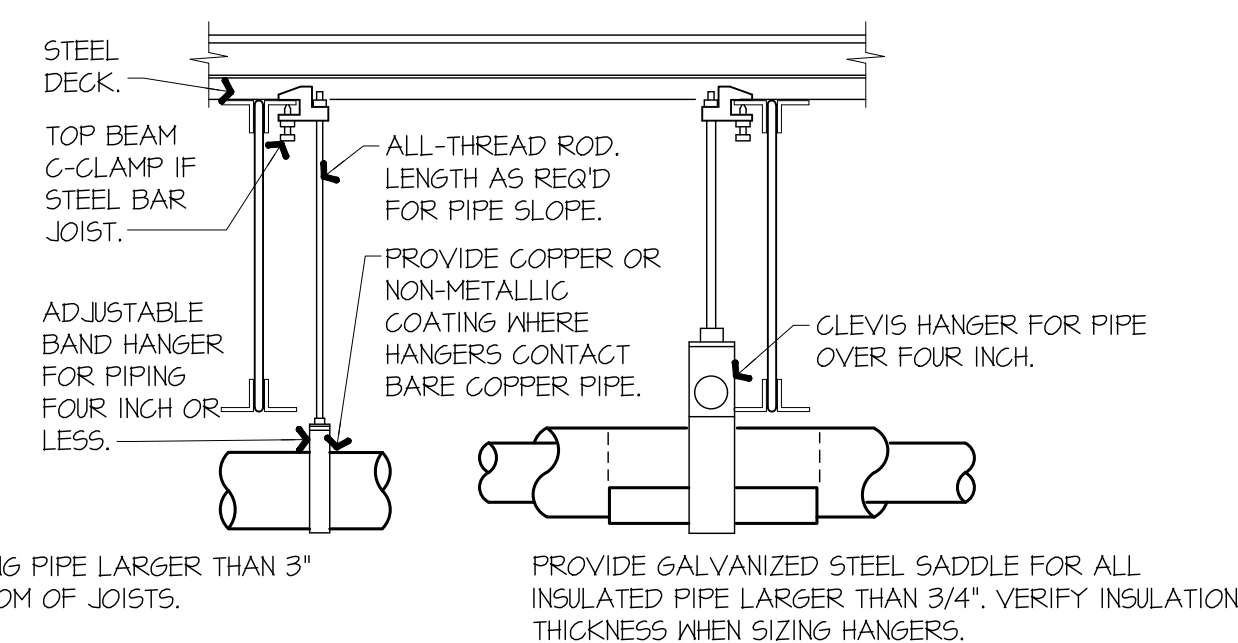
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GENERAL
DETAILS

SHEET NUMBER:

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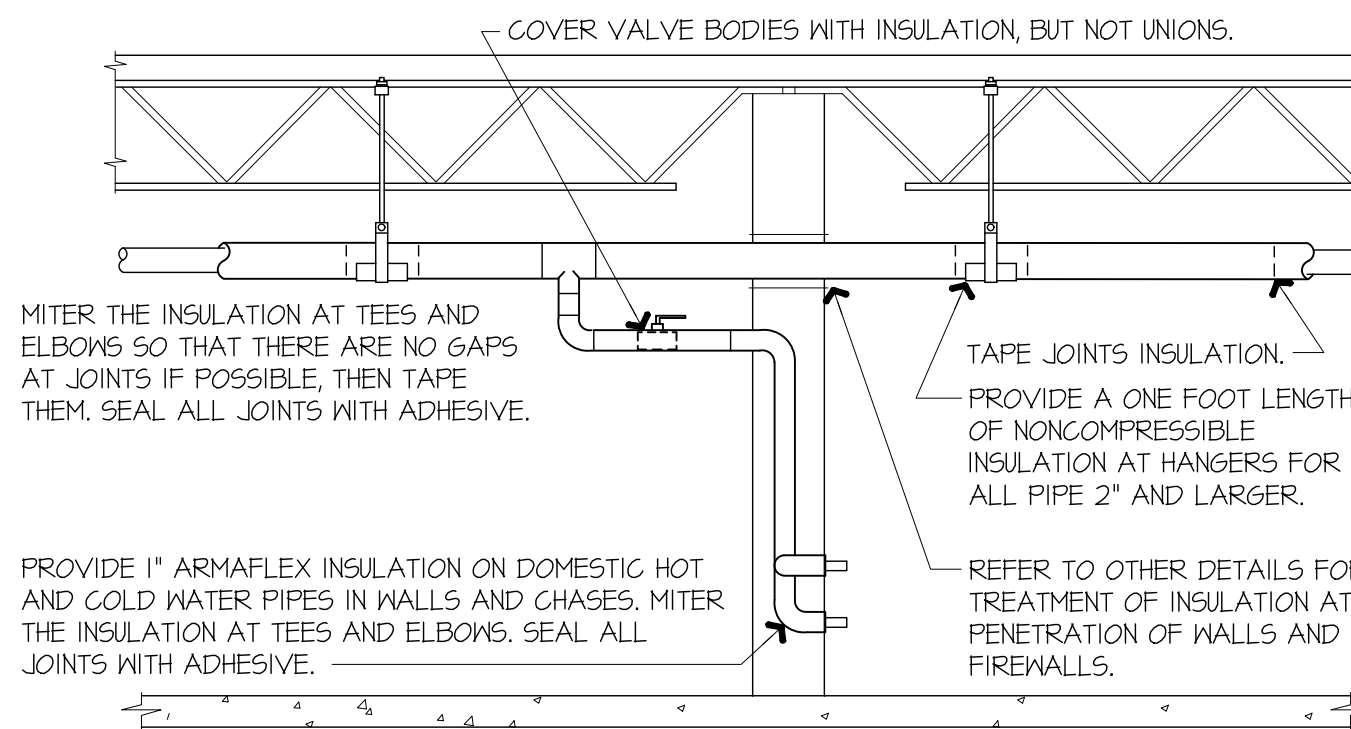
CONTRACTOR TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING CONTRACTORS, WATTS, OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PD #WH-201, ASSE # 1010 AND ANSI # A112.26.11 CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.



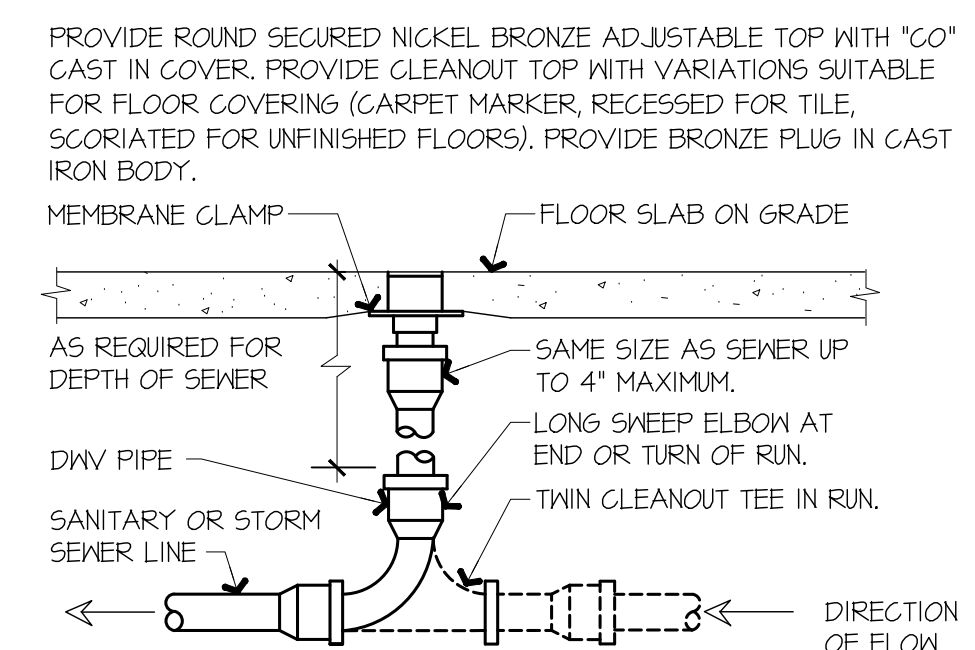
DO NOT HANG PIPE LARGER THAN 3
FROM BOTTOM OF JOISTS.

PROVIDE GALVANIZED STEEL SADDLE FOR ALL INSULATED PIPE LARGER THAN 3/4". VERIFY INSULATION THICKNESS WHEN SIZING HANGERS.

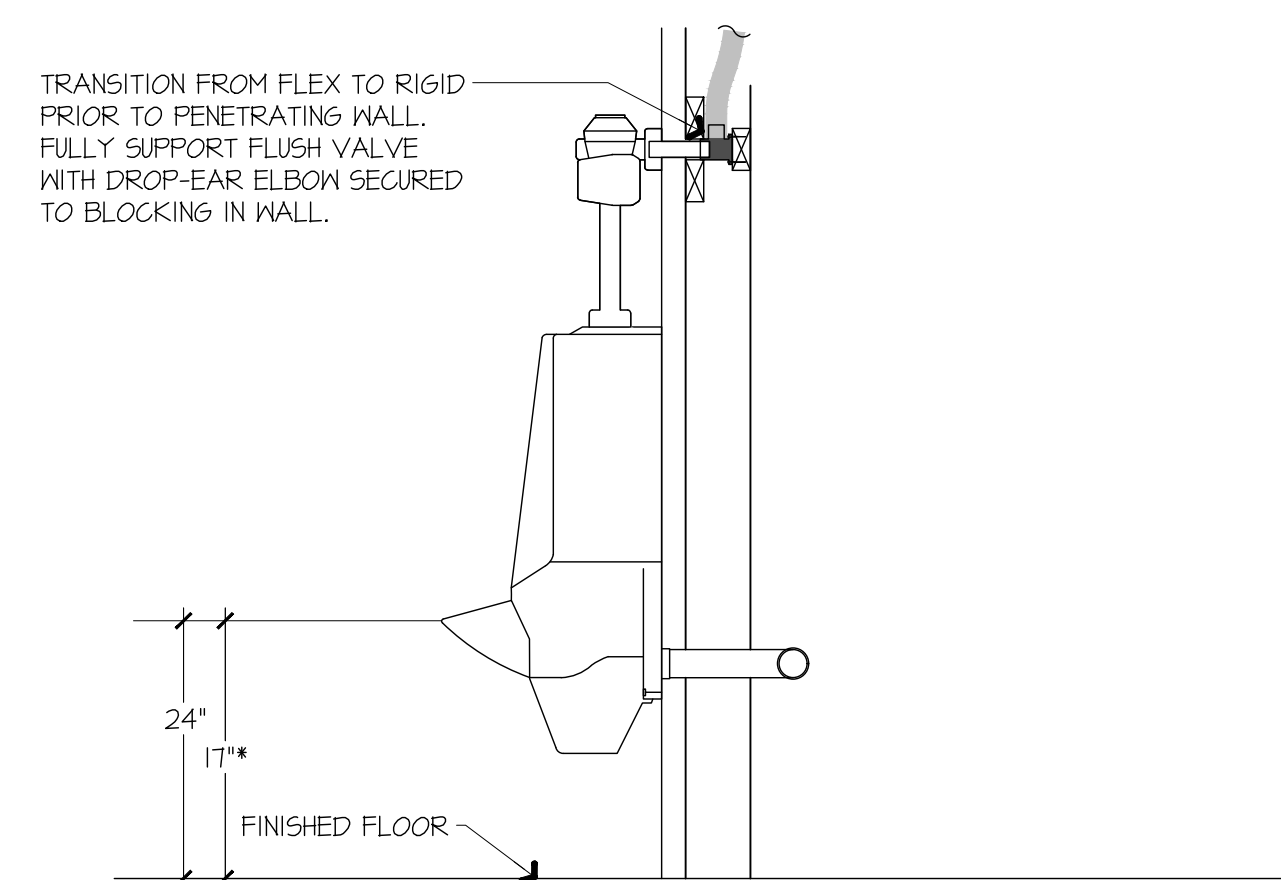
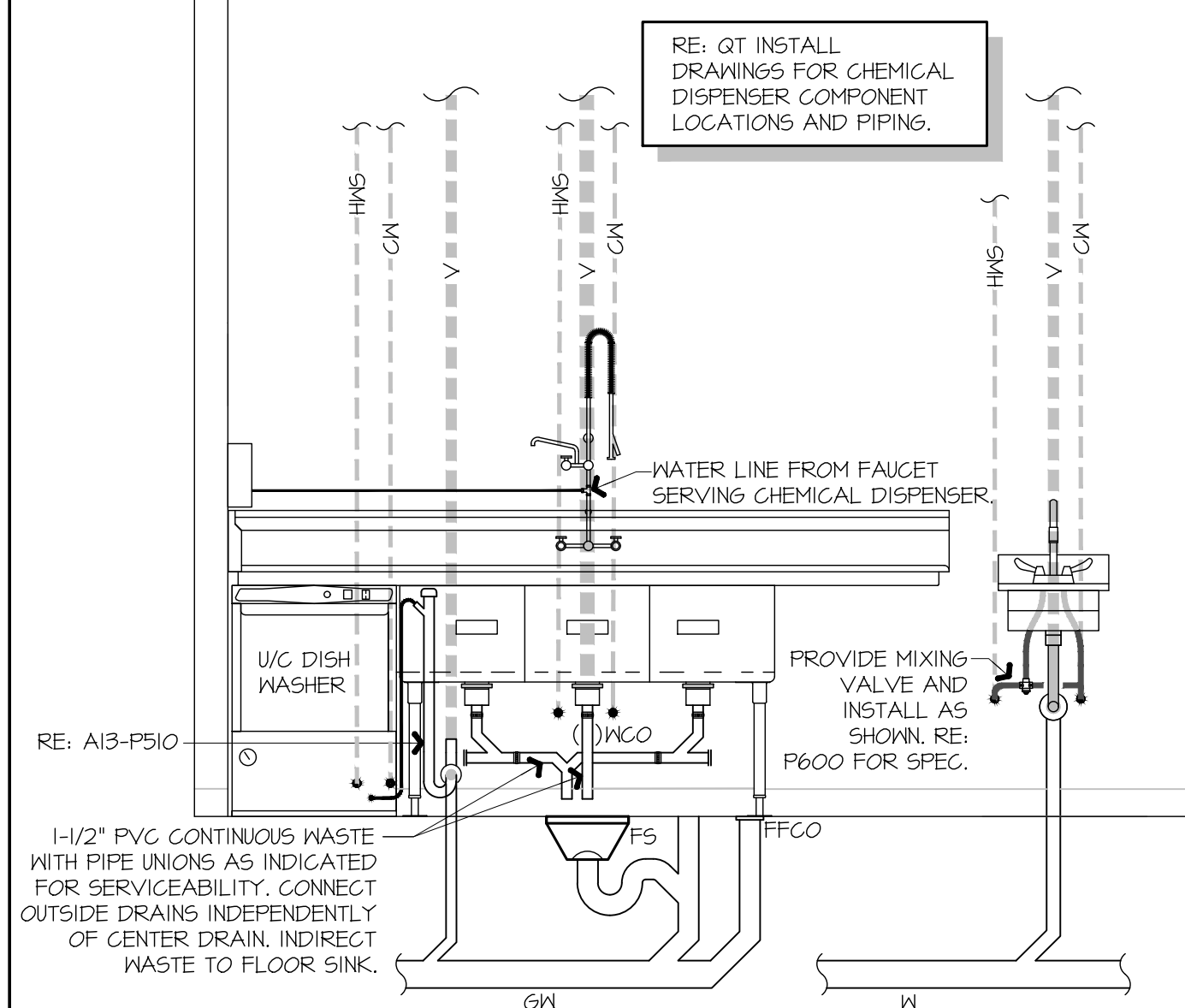
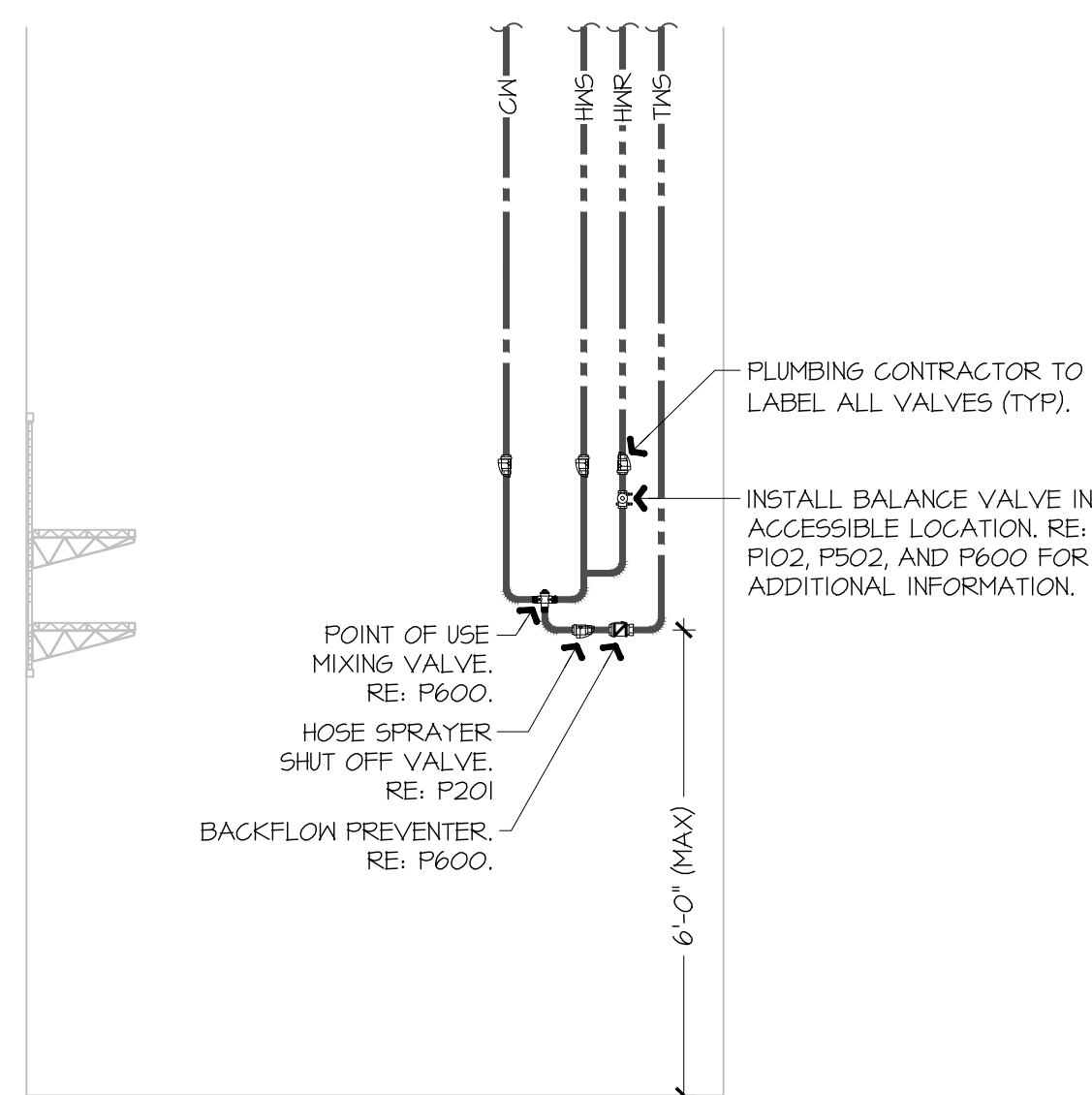
PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGERS INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZES 1/2" THROUGH 4" SHALL BE 4'-0". HANGER SPACING FOR PIPE SIZES 4" THROUGH 6" SHALL BE 6'-0". JOISTS, STEEL: 4" 12" 3" 4" 12" 2" 12" 1" 2" 10" 1" 1/2" 4" 1" 7" 3" 4" 6" 1/2" 5". PEX: 3/2" OR 6" 0" IF USING UPONOR. GALVANIZED STEEL SADDLES ON 1/2" OR 3/4". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OF ENTIRE EQUIPMENT CONNECTION. ANCHOR WATER PIPE AGAINST SPACING DUE TO CHANGES IN WATER FLOW. FLEX PROTECT FROM BRKING. WATER PIPES SHALL BE PROTECTED FROM FREEZING. IF PERFORMED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES FOR FURTHER INFORMATION.



PROVIDE INSULATION ON ALL HOT & COLD WATER, CONDENSATE, & ROOF DRAIN PIPE PER SPECIFICATIONS. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50.



LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FGO REQUIREMENTS.



NOTES

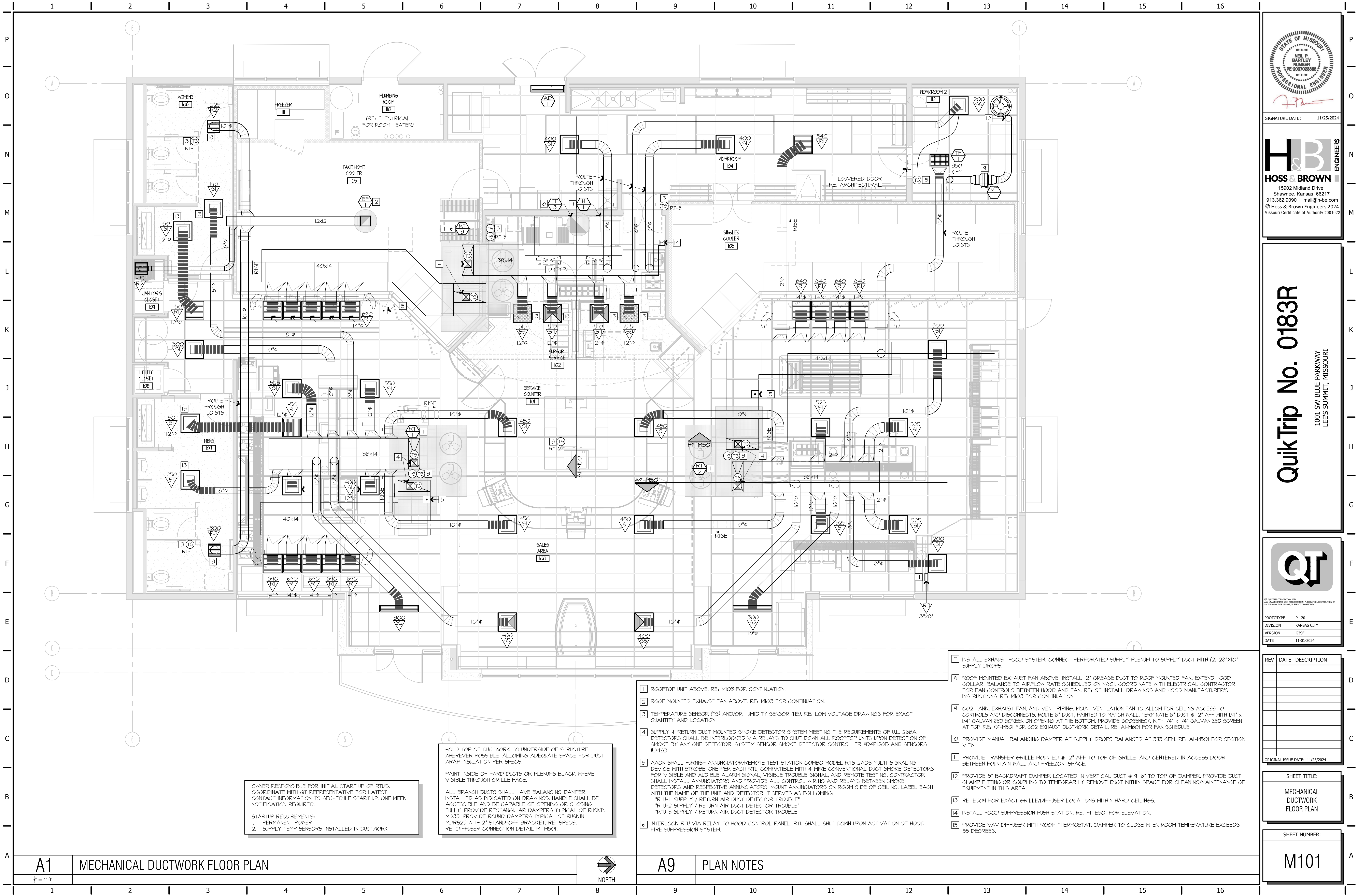
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. TRIM TRACK WHERE REQUIRED.

* MOUNTED AT 24" FOR STANDARD
HEIGHT, 17" FOR ADA HEIGHT, - REFER TO
ARCHITECTURAL INTERIOR ELEVATIONS.



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	PLUMBING EQUIPMENT LIST AND CONNECTION SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	<table><tr><th rowspan="2">MARK</th><th rowspan="2">DESCRIPTION</th><th rowspan="2">MANUFACTURER</th><th rowspan="2">MODEL</th><th rowspan="2">TRIM & ACCESSORIES</th><th colspan="5">CONNECTIONS</th><th rowspan="2">FURNISHED BY</th><th colspan="2">BACKFLOW</th><th rowspan="2">NOTES</th></tr><tr><th>CW</th><th>HW</th><th>TW</th><th>W</th><th>V</th><th>(PC FURNISHED)</th></tr><tr><td>101</td><td>BREWED TEA DISPENSER</td><td>BUNN</td><td>41400-002</td><td></td><td>1/2"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>102</td><td>FOUNTAIN MACHINE 8-HEAD</td><td>CORNELIUS</td><td>ED 250-8</td><td></td><td>1/2"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP)</td><td></td><td>15</td></tr><tr><td>103</td><td>FOUNTAIN MACHINE 12-HEAD</td><td>CORNELIUS</td><td>ED 350-12</td><td></td><td>1/2"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP)</td><td></td><td></td></tr><tr><td>104</td><td>CUBED ICE MAKER</td><td>HOSHIZAKI</td><td>KM-100HRJZ</td><td></td><td>3/8"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL NSF AIR GAP)</td><td></td><td>15</td></tr><tr><td>105</td><td>CRUSHED ICE MAKER</td><td>HOSHIZAKI</td><td>F-2001HRJZ-G</td><td></td><td>1/2"NSFN</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL NSF AIR GAP)</td><td></td><td></td></tr><tr><td>106</td><td>FREEZON MACHINE</td><td>FBD</td><td>T14</td><td></td><td>3/8"NSFN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>108</td><td>SMOOTHIE MACHINE</td><td>BUNN</td><td>BUNN MLTRA-2 PAF</td><td></td><td>1/2"NSFN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>120</td><td>BEAN TO CUP COFFEE</td><td>KURTIS</td><td>GENE56</td><td></td><td>3/8"FN</td><td></td><td></td><td>1/2"</td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>122</td><td>COFFEE HEAT EXCHANGER STRAINER</td><td>KURTIS</td><td>HE56TE3000</td><td>GRAINGER "APPROVED VENDOR" BRASS, 3/8" NPT, 20 MESH Y</td><td>1/2"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>2</td></tr><tr><td>124</td><td>COFFEE BAR ICE MACHINE</td><td>FILITREX</td><td>886434</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td>17</td></tr><tr><td>218</td><td>END CAP FLOOR COOLER</td><td>CORNELIUS</td><td>IMD 300-15A</td><td></td><td>1/4"FN</td><td></td><td></td><td>1-1/2"</td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>220</td><td>COLD WELL</td><td>OASIS</td><td>F56663R</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>220</td><td>COLD WELL</td><td>THERMELL REFRIGERATION</td><td>14RCB</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>500</td><td>ICE BAGGER</td><td>FOLLETT</td><td>D91000</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>508</td><td>CO2 TANK</td><td>CHART</td><td>CARBO-MIZER T50</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>509</td><td>MULTIPLY</td><td>MULTIPLY</td><td>50M04</td><td></td><td>3/4"NSFN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #38-140 (D.C. ASSE 1022)</td><td></td><td>17</td></tr><tr><td>510</td><td>WATER HEATER</td><td>RUID</td><td>E85A-12-G</td><td>208V-3PH, 12.3KW, 85GAL, 55 GPH RECOVERY, SET AT 140 DEG. 30" ROUND DRAIN PAN</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>9</td></tr><tr><td>514</td><td>WATER FILTRATION SYSTEM</td><td>BM/GNO</td><td>BEV390/SF105</td><td></td><td>1"</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS 1-375XL (RPZ ASSE 1013)</td><td></td><td>12,17</td></tr><tr><td>515</td><td>JANITOR SINK FAUCET</td><td>CUSTOM ST. STEEL DELTA</td><td>WM-ICE-55L</td><td>WITH 28" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN. MOUNT CENTERLINE OF FAUCET 36" A.F.F. DRAIN FITTING.</td><td>1/2"</td><td>1/2"</td><td></td><td>2"</td><td>2"</td><td>QT</td><td></td><td></td><td>16</td></tr><tr><td>516</td><td>CHEMICAL SYSTEM</td><td>CINTAS</td><td></td><td></td><td>1/2"</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP - ASSE 1055B)</td><td></td><td></td></tr><tr><td>516</td><td>3-COMPARTMENT SINK FAUCET</td><td>CUSTOM ST. STEEL T45 BRASS</td><td>3-COMP W/ DRBRD5 T45 BRASS</td><td>BACK-MOUNT PRE-RINSE AND SWING SPOUT FAUCET. (3) 2" PULL-HANDLE DRAIN WASTES. SUPPLY CONNECTION FROM FAUCET.</td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td>21</td></tr><tr><td>516</td><td>CHEMICAL SYSTEM</td><td>T45 BRASS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>518</td><td>WATER SOFTENER</td><td>CINTAS</td><td>T45 BRASS</td><td></td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td>(INTEGRAL AIR GAP - ASSE 1055B)</td><td></td><td></td></tr><tr><td>518</td><td>WATER SOFTENER</td><td>BM/GNO</td><td>CFSM1254E</td><td></td><td>1"</td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>518</td><td>BOOSTER PUMP - OPTIONAL</td><td>GOULDS</td><td>56V</td><td>40 GPM MAX, 45 PSI BOOST</td><td>2"</td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td>21</td></tr><tr><td>521</td><td>PRESSURE TANK</td><td>GOULDS</td><td>HYDROPRO V45P</td><td>13.4 GALLONS</td><td>1"</td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>521</td><td>REGULATING PUMP</td><td>GRANDFOS</td><td>UP-15-18 BUC1</td><td>(HNR: 5 GPM @ 10 FT HEAD) BRONZE BODY, NSF LISTED.</td><td></td><td></td><td>1"</td><td></td><td></td><td>PC</td><td></td><td></td><td>19</td></tr><tr><td>522</td><td>EXPANSION TANK</td><td>AMTROL</td><td>ST-12</td><td></td><td>3/4"</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>523</td><td>FLOOR SINK</td><td>MIFAB</td><td>F5120-30-B4-150</td><td>PVC 12"x12"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)</td><td></td><td></td><td></td><td>3" OR 4"</td><td></td><td>PC</td><td></td><td></td><td>3</td></tr><tr><td>524</td><td>FLOOR DRAIN</td><td>JOSAM</td><td>30003-56-Y</td><td>CAST IRON BODY ADJUSTABLE, 5"x5" NICKEL BRONZE STRAINER</td><td></td><td></td><td></td><td></td><td>1-1/2"</td><td>PC</td><td></td><td></td><td>3</td></tr><tr><td>525</td><td>BACKFLOW PREVENTER</td><td>WILKINS</td><td>375XL-SAG</td><td>SUPPLY CONNECTION BY PC</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td>(RPZ ASSE 1013)</td><td></td><td>3</td></tr><tr><td>527</td><td>CONDENSATE PUMP</td><td>LITTLE GIANT</td><td>VGCA-200LS 55420101</td><td></td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>528</td><td>CANOPY DRAIN</td><td>JOSAM</td><td>21503-3-T-AE</td><td>3" ROOF DRAIN WITH DECK CLAMP & DRAIN RECEIVER & EXTENSION.</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>529</td><td>HANDSINK FAUCET</td><td>ACORN DELTA</td><td>M450-E521-2</td><td>WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET)</td><td>1/2"</td><td></td><td>1/2"</td><td>2"</td><td></td><td>PC</td><td></td><td></td><td>7</td></tr><tr><td>530</td><td>FAUCET</td><td>DELTA</td><td>21C4844</td><td></td><td>1/2"</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>530</td><td>FAUCET</td><td>POWERS</td><td>LFE480-00</td><td>SET TO MAXIMUM TEMPERATURE OF 100 DEGREES (ASSE 1070)</td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>3</td></tr><tr><td>534</td><td>FLOOR SINK</td><td>MIFAB</td><td>F5524-30-B4-150</td><td>SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.</td><td></td><td></td><td></td><td>3" OR 4"</td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>534</td><td>ICE MAKER FOR BAGGER</td><td>HOSHIZAKI</td><td>KM-1800SRJ23</td><td>PVC 8"x8"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)</td><td>1/2"FN</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL NSF AIR GAP)</td><td></td><td>13,15</td></tr><tr><td>543</td><td>RECESSED MOP SINK WITH FAUCET</td><td>EMI</td><td>221-61645</td><td>WITH 24" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN.</td><td></td><td></td><td></td><td>2"</td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>548</td><td>CHEMICAL SYSTEM</td><td>DELTA</td><td>28C2383</td><td>MOUNT CENTERLINE OF FAUCET 36" A.F.F.</td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP - ASSE 1055B)</td><td></td><td>17,28</td></tr><tr><td>548</td><td>REVERSE OSMOSIS SYSTEM</td><td>CINTAS</td><td></td><td></td><td>1/2"</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS 34-375XL (RPZ ASSE 1013)</td><td></td><td>20</td></tr><tr><td>548</td><td>CANOPY DRAIN HEAT TRACE</td><td>3M</td><td>SGLP200-GL</td><td>CLEANING BYPASS, STORAGE TANK</td><td>3/4"NSFN</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>551</td><td>FREEZER HEAT TRACE</td><td>6M-HAT</td><td></td><td>150' SELF-REGULATING HEAT TRACE CABLE, HARD-WIRED.</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>551</td><td>WOM GLYCOL CHILLER</td><td>RAYCHEM</td><td>AMC-T5</td><td>(1) THERMOSTAT</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>554</td><td>WOM AUTOCLEAN</td><td>RAYCHEM</td><td>FTG-P</td><td>(6) POWER CONNECTION & END SEAL KITS</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>554</td><td>WOM AUTOCLEAN</td><td>RAYCHEM</td><td>6M-RAKE</td><td>(6) DOWNSPOUT HANGING BRACKETS</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>554</td><td>WOM AUTOCLEAN</td><td>RAYCHEM</td><td>F61-18P</td><td>18' SELF-REGULATING HEAT TRACE CABLE, PLUG-IN</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>554</td><td>WOM AUTOCLEAN</td><td>MICROMATIC</td><td>MMPF4302-PK6</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>606</td><td>ICE CREAM SUPPLY OUTLET BOX</td><td>STOLTING</td><td>F131-3812-QT</td><td></td><td>3/8"</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL DUAL CHECK VALVE)</td><td></td><td></td></tr><tr><td>609</td><td>SUPPLY OUTLET BOX</td><td>SILOUX CHIEF</td><td>646-61000_F</td><td>SUPPLY CONNECTION BY PC</td><td>1/2"</td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP)</td><td></td><td></td></tr><tr><td>609</td><td>UNDERCOUNTER ICE BIN</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>611</td><td>DISHWASHER</td><td>MOYER DIEBEL</td><td>20HT-M4</td><td></td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP)</td><td></td><td>24,25</td></tr><tr><td>612</td><td>CHEMICAL SYSTEM</td><td>CINTAS</td><td></td><td></td><td></td><td></td><td></td><td>2"</td><td></td><td>QT</td><td>(INTEGRAL - LISTED PER ASSE 1004)</td><td></td><td></td></tr><tr><td>612</td><td>HANDSINK FAUCET</td><td>ADVANCE TABCO</td><td>T-PS-22</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td>(INTEGRAL AIR GAP - ASSE 1055B)</td><td></td><td></td></tr><tr><td>612</td><td>HANDSINK FAUCET</td><td>TOTO</td><td>T28553ETC7P</td><td>WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET) W/ SOAP HOLE ON LEFT</td><td>1/2"</td><td>1/2"</td><td></td><td>1-1/2"</td><td>1-1/2"</td><td>PC</td><td></td><td></td><td>7,10</td></tr><tr><td>613</td><td>DUMP SINK FAUCET</td><td>CUSTOM ST. STEEL</td><td></td><td>1/4 GFC 20-SECOND CONTINUOUS W/ ASSE 1070 THERMOSTATIC MIXING VALVE</td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>613</td><td>DUMP SINK FAUCET</td><td>T45 BRASS</td><td></td><td>SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>613</td><td>DUMP SINK FAUCET</td><td>MCQUIRE</td><td>151A</td><td>CUSTOM WALL MOUNT STAINLESS STEEL SINK 2-HANDLE FAUCET WITHOUT METAL GRID DRAIN.</td><td>1/2"</td><td>1/2"</td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td>7</td></tr><tr><td>641</td><td>STEAM DRAWERS</td><td>ANTINNES</td><td>INFINISTEAM</td><td></td><td>3/4" ROH</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>17</td></tr><tr><td>648</td><td>COMBI OVEN</td><td>CONVOITHERM</td><td>EASTT004H</td><td></td><td>3/4" NSFN</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS #34-105 (D.C. ASSE 1024)</td><td></td><td>17</td></tr><tr><td>648</td><td>SUPPLY OUTLET BOX</td><td>SILOUX CHIEF</td><td>646-62303_F</td><td>DISCARD DRAIN BOX, SUPPLY CONNECTION BY PC</td><td>3/4" ROH</td><td></td><td></td><td></td><td></td><td>PC</td><td>WILKINS #34-105 (D.C. ASSE 1024)</td><td></td><td>17</td></tr><tr><td>700</td><td>LAVATORY FAUCET</td><td>CUSTOM SOLID SURFACE</td><td></td><td>1/4 GFC 20-SECOND CONTINUOUS, WALL OUTLET W/ THERMOSTATIC VALVE</td><td>1/2"</td><td>1/2"</td><td></td><td>1-1/4"</td><td>1-1/2"</td><td>QT</td><td></td><td></td><td>17</td></tr><tr><td>701</td><td>WATER CLOSET FLUSH VALVE</td><td>TOTO</td><td>T28553ETC7P</td><td>SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>22</td></tr><tr><td>701</td><td>WATER CLOSET FLUSH VALVE</td><td>ZURN</td><td>EB22445 (Z5618)</td><td>WALL MOUNTED WATER CLOSET</td><td>1"</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>14,15</td></tr><tr><td>701</td><td>WATER CLOSET FLUSH VALVE</td><td>ZURN</td><td>ZER6000AV-N61</td><td>1.6 GALLONS PER FLUSH SENSOR FLUSH VALVE</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>701</td><td>WATER CLOSET FLUSH VALVE</td><td>ZURN</td><td>Z545555-EL</td><td>HEAVY DUTY WHITE PLASTIC OPEN FRONT SEAT</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>701</td><td>WATER CLOSET FLUSH VALVE</td><td>ZURN</td><td>Z1201-NL4</td><td>ADJUSTABLE HORIZ. HIGH PERFORM. SIPHON JET NO-HUB W.C. CARRIER SYSTEM</td><td></td><td></td><td></td><td>4"</td><td>2"</td><td>PC</td><td></td><td></td><td></td></tr><tr><td>702</td><td>URINAL FLUSH VALVE</td><td>ZURN</td><td>EB22444 (Z5755-W)</td><td>WALL MOUNTED URINAL</td><td>3/4"</td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>14</td></tr><tr><td>702</td><td>URINAL FLUSH VALVE</td><td>ZURN</td><td>ZER6000AV-ENG-CFM</td><td>0.5 GALLONS PER FLUSH SENSOR FLUSH VALVE</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td>16</td></tr><tr><td>702</td><td>URINAL FLUSH VALVE</td><td>ZURN</td><td>Z1221-EZ</td><td>HANGER PLATE TYPE CARRIER</td><td></td><td></td><td></td><td>2"</td><td>1-1/2"</td><td>PC</td><td></td><td></td><td></td></tr><tr><td>800</td><td>POWER WASHER</td><td>SPRAY MASTER</td><td>300-5138</td><td>POWER CLEAN 5.0 CB</td><td>3/4"</td><td></td><td></td><td></td><td></td><td>QT</td><td>WILKINS 34-375XL (RPZ ASSE 1013)</td><td></td><td>10,17</td></tr><tr><td>801</td><td>CO2 CONNECTION PORT</td><td>CHART</td><td>#21312111</td><td></td><td></td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td></td></tr><tr><td>802</td><td>POWER WASHER CONNECTION BOX</td><td>SPRAY MASTER</td><td>300-1260</td><td></td><td>3/8"</td><td></td><td></td><td></td><td></td><td>QT</td><td></td><td></td><td>11</td></tr><tr><td>803</td><td>HOSE BIB</td><td>WATTS</td><td>LF5C-3</td><td>ROTARY KNOB OPTION</td><td></td><td></td><td></td><td></td><td></td><td>PC</td><td></td><td></td><td></td></tr><tr><td>803</td><td>THER</td></tr></table>																MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM & ACCESSORIES	CONNECTIONS					FURNISHED BY	BACKFLOW		NOTES	CW	HW	TW	W	V	(PC FURNISHED)	101	BREWED TEA DISPENSER	BUNN	41400-002		1/2"FN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17	102	FOUNTAIN MACHINE 8-HEAD	CORNELIUS	ED 250-8		1/2"FN					QT	(INTEGRAL AIR GAP)		15	103	FOUNTAIN MACHINE 12-HEAD	CORNELIUS	ED 350-12		1/2"FN					QT	(INTEGRAL AIR GAP)			104	CUBED ICE MAKER	HOSHIZAKI	KM-100HRJZ		3/8"FN					QT	(INTEGRAL NSF AIR GAP)		15	105	CRUSHED ICE MAKER	HOSHIZAKI	F-2001HRJZ-G		1/2"NSFN					QT	(INTEGRAL NSF AIR GAP)			106	FREEZON MACHINE	FBD	T14		3/8"NSFN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17	108	SMOOTHIE MACHINE	BUNN	BUNN MLTRA-2 PAF		1/2"NSFN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17	120	BEAN TO CUP COFFEE	KURTIS	GENE56		3/8"FN			1/2"		QT	WILKINS #38-140 (D.C. ASSE 1022)		17	122	COFFEE HEAT EXCHANGER STRAINER	KURTIS	HE56TE3000	GRAINGER "APPROVED VENDOR" BRASS, 3/8" NPT, 20 MESH Y	1/2"FN					QT	WILKINS #38-140 (D.C. ASSE 1022)		2	124	COFFEE BAR ICE MACHINE	FILITREX	886434							QT			17	218	END CAP FLOOR COOLER	CORNELIUS	IMD 300-15A		1/4"FN			1-1/2"		QT	WILKINS #38-140 (D.C. ASSE 1022)		17	220	COLD WELL	OASIS	F56663R							QT				220	COLD WELL	THERMELL REFRIGERATION	14RCB							QT				500	ICE BAGGER	FOLLETT	D91000							QT				508	CO2 TANK	CHART	CARBO-MIZER T50							QT				509	MULTIPLY	MULTIPLY	50M04		3/4"NSFN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17	510	WATER HEATER	RUID	E85A-12-G	208V-3PH, 12.3KW, 85GAL, 55 GPH RECOVERY, SET AT 140 DEG. 30" ROUND DRAIN PAN						PC			9	514	WATER FILTRATION SYSTEM	BM/GNO	BEV390/SF105		1"					QT	WILKINS 1-375XL (RPZ ASSE 1013)		12,17	515	JANITOR SINK FAUCET	CUSTOM ST. STEEL DELTA	WM-ICE-55L	WITH 28" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN. MOUNT CENTERLINE OF FAUCET 36" A.F.F. DRAIN FITTING.	1/2"	1/2"		2"	2"	QT			16	516	CHEMICAL SYSTEM	CINTAS			1/2"					QT	(INTEGRAL AIR GAP - ASSE 1055B)			516	3-COMPARTMENT SINK FAUCET	CUSTOM ST. STEEL T45 BRASS	3-COMP W/ DRBRD5 T45 BRASS	BACK-MOUNT PRE-RINSE AND SWING SPOUT FAUCET. (3) 2" PULL-HANDLE DRAIN WASTES. SUPPLY CONNECTION FROM FAUCET.	1/2"	1/2"				QT			21	516	CHEMICAL SYSTEM	T45 BRASS								PC				518	WATER SOFTENER	CINTAS	T45 BRASS							PC	(INTEGRAL AIR GAP - ASSE 1055B)			518	WATER SOFTENER	BM/GNO	CFSM1254E		1"					QT				518	BOOSTER PUMP - OPTIONAL	GOULDS	56V	40 GPM MAX, 45 PSI BOOST	2"					QT			21	521	PRESSURE TANK	GOULDS	HYDROPRO V45P	13.4 GALLONS	1"					QT				521	REGULATING PUMP	GRANDFOS	UP-15-18 BUC1	(HNR: 5 GPM @ 10 FT HEAD) BRONZE BODY, NSF LISTED.			1"			PC			19	522	EXPANSION TANK	AMTROL	ST-12		3/4"					PC				523	FLOOR SINK	MIFAB	F5120-30-B4-150	PVC 12"x12"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)				3" OR 4"		PC			3	524	FLOOR DRAIN	JOSAM	30003-56-Y	CAST IRON BODY ADJUSTABLE, 5"x5" NICKEL BRONZE STRAINER					1-1/2"	PC			3	525	BACKFLOW PREVENTER	WILKINS	375XL-SAG	SUPPLY CONNECTION BY PC						PC	(RPZ ASSE 1013)		3	527	CONDENSATE PUMP	LITTLE GIANT	VGCA-200LS 55420101							PC				528	CANOPY DRAIN	JOSAM	21503-3-T-AE	3" ROOF DRAIN WITH DECK CLAMP & DRAIN RECEIVER & EXTENSION.						PC				529	HANDSINK FAUCET	ACORN DELTA	M450-E521-2	WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET)	1/2"		1/2"	2"		PC			7	530	FAUCET	DELTA	21C4844		1/2"					PC				530	FAUCET	POWERS	LFE480-00	SET TO MAXIMUM TEMPERATURE OF 100 DEGREES (ASSE 1070)	1/2"	1/2"				PC			3	534	FLOOR SINK	MIFAB	F5524-30-B4-150	SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.				3" OR 4"		PC				534	ICE MAKER FOR BAGGER	HOSHIZAKI	KM-1800SRJ23	PVC 8"x8"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)	1/2"FN					QT	(INTEGRAL NSF AIR GAP)		13,15	543	RECESSED MOP SINK WITH FAUCET	EMI	221-61645	WITH 24" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN.				2"		QT				548	CHEMICAL SYSTEM	DELTA	28C2383	MOUNT CENTERLINE OF FAUCET 36" A.F.F.	1/2"	1/2"				QT	(INTEGRAL AIR GAP - ASSE 1055B)		17,28	548	REVERSE OSMOSIS SYSTEM	CINTAS			1/2"					QT	WILKINS 34-375XL (RPZ ASSE 1013)		20	548	CANOPY DRAIN HEAT TRACE	3M	SGLP200-GL	CLEANING BYPASS, STORAGE TANK	3/4"NSFN					PC				551	FREEZER HEAT TRACE	6M-HAT		150' SELF-REGULATING HEAT TRACE CABLE, HARD-WIRED.						PC				551	WOM GLYCOL CHILLER	RAYCHEM	AMC-T5	(1) THERMOSTAT						PC				554	WOM AUTOCLEAN	RAYCHEM	FTG-P	(6) POWER CONNECTION & END SEAL KITS						PC				554	WOM AUTOCLEAN	RAYCHEM	6M-RAKE	(6) DOWNSPOUT HANGING BRACKETS						PC				554	WOM AUTOCLEAN	RAYCHEM	F61-18P	18' SELF-REGULATING HEAT TRACE CABLE, PLUG-IN						PC				554	WOM AUTOCLEAN	MICROMATIC	MMPF4302-PK6							QT				606	ICE CREAM SUPPLY OUTLET BOX	STOLTING	F131-3812-QT		3/8"					QT	(INTEGRAL DUAL CHECK VALVE)			609	SUPPLY OUTLET BOX	SILOUX CHIEF	646-61000_F	SUPPLY CONNECTION BY PC	1/2"					QT	(INTEGRAL AIR GAP)			609	UNDERCOUNTER ICE BIN									PC				611	DISHWASHER	MOYER DIEBEL	20HT-M4		1/2"	1/2"				QT	(INTEGRAL AIR GAP)		24,25	612	CHEMICAL SYSTEM	CINTAS						2"		QT	(INTEGRAL - LISTED PER ASSE 1004)			612	HANDSINK FAUCET	ADVANCE TABCO	T-PS-22							QT	(INTEGRAL AIR GAP - ASSE 1055B)			612	HANDSINK FAUCET	TOTO	T28553ETC7P	WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET) W/ SOAP HOLE ON LEFT	1/2"	1/2"		1-1/2"	1-1/2"	PC			7,10	613	DUMP SINK FAUCET	CUSTOM ST. STEEL		1/4 GFC 20-SECOND CONTINUOUS W/ ASSE 1070 THERMOSTATIC MIXING VALVE	1/2"	1/2"				PC				613	DUMP SINK FAUCET	T45 BRASS		SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.						PC				613	DUMP SINK FAUCET	MCQUIRE	151A	CUSTOM WALL MOUNT STAINLESS STEEL SINK 2-HANDLE FAUCET WITHOUT METAL GRID DRAIN.	1/2"	1/2"				QT			7	641	STEAM DRAWERS	ANTINNES	INFINISTEAM		3/4" ROH					PC			17	648	COMBI OVEN	CONVOITHERM	EASTT004H		3/4" NSFN					QT	WILKINS #34-105 (D.C. ASSE 1024)		17	648	SUPPLY OUTLET BOX	SILOUX CHIEF	646-62303_F	DISCARD DRAIN BOX, SUPPLY CONNECTION BY PC	3/4" ROH					PC	WILKINS #34-105 (D.C. ASSE 1024)		17	700	LAVATORY FAUCET	CUSTOM SOLID SURFACE		1/4 GFC 20-SECOND CONTINUOUS, WALL OUTLET W/ THERMOSTATIC VALVE	1/2"	1/2"		1-1/4"	1-1/2"	QT			17	701	WATER CLOSET FLUSH VALVE	TOTO	T28553ETC7P	SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.						PC			22	701	WATER CLOSET FLUSH VALVE	ZURN	EB22445 (Z5618)	WALL MOUNTED WATER CLOSET	1"					PC			14,15	701	WATER CLOSET FLUSH VALVE	ZURN	ZER6000AV-N61	1.6 GALLONS PER FLUSH SENSOR FLUSH VALVE						PC				701	WATER CLOSET FLUSH VALVE	ZURN	Z545555-EL	HEAVY DUTY WHITE PLASTIC OPEN FRONT SEAT						PC				701	WATER CLOSET FLUSH VALVE	ZURN	Z1201-NL4	ADJUSTABLE HORIZ. HIGH PERFORM. SIPHON JET NO-HUB W.C. CARRIER SYSTEM				4"	2"	PC				702	URINAL FLUSH VALVE	ZURN	EB22444 (Z5755-W)	WALL MOUNTED URINAL	3/4"					PC			14	702	URINAL FLUSH VALVE	ZURN	ZER6000AV-ENG-CFM	0.5 GALLONS PER FLUSH SENSOR FLUSH VALVE						PC			16	702	URINAL FLUSH VALVE	ZURN	Z1221-EZ	HANGER PLATE TYPE CARRIER				2"	1-1/2"	PC				800	POWER WASHER	SPRAY MASTER	300-5138	POWER CLEAN 5.0 CB	3/4"					QT	WILKINS 34-375XL (RPZ ASSE 1013)		10,17	801	CO2 CONNECTION PORT	CHART	#21312111							QT				802	POWER WASHER CONNECTION BOX	SPRAY MASTER	300-1260		3/8"					QT			11	803	HOSE BIB	WATTS	LF5C-3	ROTARY KNOB OPTION						PC				803	THER
MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM & ACCESSORIES	CONNECTIONS					FURNISHED BY	BACKFLOW		NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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101	BREWED TEA DISPENSER	BUNN	41400-002		1/2"FN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
102	FOUNTAIN MACHINE 8-HEAD	CORNELIUS	ED 250-8		1/2"FN					QT	(INTEGRAL AIR GAP)		15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
103	FOUNTAIN MACHINE 12-HEAD	CORNELIUS	ED 350-12		1/2"FN					QT	(INTEGRAL AIR GAP)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
104	CUBED ICE MAKER	HOSHIZAKI	KM-100HRJZ		3/8"FN					QT	(INTEGRAL NSF AIR GAP)		15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
105	CRUSHED ICE MAKER	HOSHIZAKI	F-2001HRJZ-G		1/2"NSFN					QT	(INTEGRAL NSF AIR GAP)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
106	FREEZON MACHINE	FBD	T14		3/8"NSFN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
108	SMOOTHIE MACHINE	BUNN	BUNN MLTRA-2 PAF		1/2"NSFN					QT	WILKINS #38-140 (D.C. ASSE 1022)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
120	BEAN TO CUP COFFEE	KURTIS	GENE56		3/8"FN			1/2"		QT	WILKINS #38-140 (D.C. ASSE 1022)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
122	COFFEE HEAT EXCHANGER STRAINER	KURTIS	HE56TE3000	GRAINGER "APPROVED VENDOR" BRASS, 3/8" NPT, 20 MESH Y	1/2"FN					QT	WILKINS #38-140 (D.C. ASSE 1022)		2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
124	COFFEE BAR ICE MACHINE	FILITREX	886434							QT			17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
218	END CAP FLOOR COOLER	CORNELIUS	IMD 300-15A		1/4"FN			1-1/2"		QT	WILKINS #38-140 (D.C. ASSE 1022)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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500	ICE BAGGER	FOLLETT	D91000							QT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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510	WATER HEATER	RUID	E85A-12-G	208V-3PH, 12.3KW, 85GAL, 55 GPH RECOVERY, SET AT 140 DEG. 30" ROUND DRAIN PAN						PC			9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
514	WATER FILTRATION SYSTEM	BM/GNO	BEV390/SF105		1"					QT	WILKINS 1-375XL (RPZ ASSE 1013)		12,17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
515	JANITOR SINK FAUCET	CUSTOM ST. STEEL DELTA	WM-ICE-55L	WITH 28" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN. MOUNT CENTERLINE OF FAUCET 36" A.F.F. DRAIN FITTING.	1/2"	1/2"		2"	2"	QT			16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
516	CHEMICAL SYSTEM	CINTAS			1/2"					QT	(INTEGRAL AIR GAP - ASSE 1055B)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
516	3-COMPARTMENT SINK FAUCET	CUSTOM ST. STEEL T45 BRASS	3-COMP W/ DRBRD5 T45 BRASS	BACK-MOUNT PRE-RINSE AND SWING SPOUT FAUCET. (3) 2" PULL-HANDLE DRAIN WASTES. SUPPLY CONNECTION FROM FAUCET.	1/2"	1/2"				QT			21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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518	BOOSTER PUMP - OPTIONAL	GOULDS	56V	40 GPM MAX, 45 PSI BOOST	2"					QT			21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
521	PRESSURE TANK	GOULDS	HYDROPRO V45P	13.4 GALLONS	1"					QT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
521	REGULATING PUMP	GRANDFOS	UP-15-18 BUC1	(HNR: 5 GPM @ 10 FT HEAD) BRONZE BODY, NSF LISTED.			1"			PC			19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
522	EXPANSION TANK	AMTROL	ST-12		3/4"					PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
523	FLOOR SINK	MIFAB	F5120-30-B4-150	PVC 12"x12"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)				3" OR 4"		PC			3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
524	FLOOR DRAIN	JOSAM	30003-56-Y	CAST IRON BODY ADJUSTABLE, 5"x5" NICKEL BRONZE STRAINER					1-1/2"	PC			3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
525	BACKFLOW PREVENTER	WILKINS	375XL-SAG	SUPPLY CONNECTION BY PC						PC	(RPZ ASSE 1013)		3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
527	CONDENSATE PUMP	LITTLE GIANT	VGCA-200LS 55420101							PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
528	CANOPY DRAIN	JOSAM	21503-3-T-AE	3" ROOF DRAIN WITH DECK CLAMP & DRAIN RECEIVER & EXTENSION.						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
529	HANDSINK FAUCET	ACORN DELTA	M450-E521-2	WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET)	1/2"		1/2"	2"		PC			7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
530	FAUCET	DELTA	21C4844		1/2"					PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
530	FAUCET	POWERS	LFE480-00	SET TO MAXIMUM TEMPERATURE OF 100 DEGREES (ASSE 1070)	1/2"	1/2"				PC			3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
534	FLOOR SINK	MIFAB	F5524-30-B4-150	SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.				3" OR 4"		PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
534	ICE MAKER FOR BAGGER	HOSHIZAKI	KM-1800SRJ23	PVC 8"x8"x6" DEEP BODY, 1/2 GRATE (NO RE: AI-PI01)	1/2"FN					QT	(INTEGRAL NSF AIR GAP)		13,15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
543	RECESSED MOP SINK WITH FAUCET	EMI	221-61645	WITH 24" STAINLESS STEEL SIDE SPLASHES ON ONE OR TWO WALLS PER PLAN.				2"		QT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
548	CHEMICAL SYSTEM	DELTA	28C2383	MOUNT CENTERLINE OF FAUCET 36" A.F.F.	1/2"	1/2"				QT	(INTEGRAL AIR GAP - ASSE 1055B)		17,28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
548	REVERSE OSMOSIS SYSTEM	CINTAS			1/2"					QT	WILKINS 34-375XL (RPZ ASSE 1013)		20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
548	CANOPY DRAIN HEAT TRACE	3M	SGLP200-GL	CLEANING BYPASS, STORAGE TANK	3/4"NSFN					PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
551	FREEZER HEAT TRACE	6M-HAT		150' SELF-REGULATING HEAT TRACE CABLE, HARD-WIRED.						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
551	WOM GLYCOL CHILLER	RAYCHEM	AMC-T5	(1) THERMOSTAT						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
554	WOM AUTOCLEAN	RAYCHEM	FTG-P	(6) POWER CONNECTION & END SEAL KITS						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
554	WOM AUTOCLEAN	RAYCHEM	6M-RAKE	(6) DOWNSPOUT HANGING BRACKETS						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
554	WOM AUTOCLEAN	RAYCHEM	F61-18P	18' SELF-REGULATING HEAT TRACE CABLE, PLUG-IN						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
554	WOM AUTOCLEAN	MICROMATIC	MMPF4302-PK6							QT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
606	ICE CREAM SUPPLY OUTLET BOX	STOLTING	F131-3812-QT		3/8"					QT	(INTEGRAL DUAL CHECK VALVE)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
609	SUPPLY OUTLET BOX	SILOUX CHIEF	646-61000_F	SUPPLY CONNECTION BY PC	1/2"					QT	(INTEGRAL AIR GAP)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
609	UNDERCOUNTER ICE BIN									PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
611	DISHWASHER	MOYER DIEBEL	20HT-M4		1/2"	1/2"				QT	(INTEGRAL AIR GAP)		24,25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
612	CHEMICAL SYSTEM	CINTAS						2"		QT	(INTEGRAL - LISTED PER ASSE 1004)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
612	HANDSINK FAUCET	ADVANCE TABCO	T-PS-22							QT	(INTEGRAL AIR GAP - ASSE 1055B)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
612	HANDSINK FAUCET	TOTO	T28553ETC7P	WALL MOUNTED STAINLESS STEEL HANDSINK (LESS FAUCET) W/ SOAP HOLE ON LEFT	1/2"	1/2"		1-1/2"	1-1/2"	PC			7,10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
613	DUMP SINK FAUCET	CUSTOM ST. STEEL		1/4 GFC 20-SECOND CONTINUOUS W/ ASSE 1070 THERMOSTATIC MIXING VALVE	1/2"	1/2"				PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
613	DUMP SINK FAUCET	T45 BRASS		SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
613	DUMP SINK FAUCET	MCQUIRE	151A	CUSTOM WALL MOUNT STAINLESS STEEL SINK 2-HANDLE FAUCET WITHOUT METAL GRID DRAIN.	1/2"	1/2"				QT			7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
641	STEAM DRAWERS	ANTINNES	INFINISTEAM		3/4" ROH					PC			17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
648	COMBI OVEN	CONVOITHERM	EASTT004H		3/4" NSFN					QT	WILKINS #34-105 (D.C. ASSE 1024)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
648	SUPPLY OUTLET BOX	SILOUX CHIEF	646-62303_F	DISCARD DRAIN BOX, SUPPLY CONNECTION BY PC	3/4" ROH					PC	WILKINS #34-105 (D.C. ASSE 1024)		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
700	LAVATORY FAUCET	CUSTOM SOLID SURFACE		1/4 GFC 20-SECOND CONTINUOUS, WALL OUTLET W/ THERMOSTATIC VALVE	1/2"	1/2"		1-1/4"	1-1/2"	QT			17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
701	WATER CLOSET FLUSH VALVE	TOTO	T28553ETC7P	SET TO MAXIMUM TEMPERATURE OF 110 DEGREES.						PC			22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
701	WATER CLOSET FLUSH VALVE	ZURN	EB22445 (Z5618)	WALL MOUNTED WATER CLOSET	1"					PC			14,15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
701	WATER CLOSET FLUSH VALVE	ZURN	ZER6000AV-N61	1.6 GALLONS PER FLUSH SENSOR FLUSH VALVE						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
701	WATER CLOSET FLUSH VALVE	ZURN	Z545555-EL	HEAVY DUTY WHITE PLASTIC OPEN FRONT SEAT						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
701	WATER CLOSET FLUSH VALVE	ZURN	Z1201-NL4	ADJUSTABLE HORIZ. HIGH PERFORM. SIPHON JET NO-HUB W.C. CARRIER SYSTEM				4"	2"	PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
702	URINAL FLUSH VALVE	ZURN	EB22444 (Z5755-W)	WALL MOUNTED URINAL	3/4"					PC			14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
702	URINAL FLUSH VALVE	ZURN	ZER6000AV-ENG-CFM	0.5 GALLONS PER FLUSH SENSOR FLUSH VALVE						PC			16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
702	URINAL FLUSH VALVE	ZURN	Z1221-EZ	HANGER PLATE TYPE CARRIER				2"	1-1/2"	PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
800	POWER WASHER	SPRAY MASTER	300-5138	POWER CLEAN 5.0 CB	3/4"					QT	WILKINS 34-375XL (RPZ ASSE 1013)		10,17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
801	CO2 CONNECTION PORT	CHART	#21312111							QT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
802	POWER WASHER CONNECTION BOX	SPRAY MASTER	300-1260		3/8"					QT			11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
803	HOSE BIB	WATTS	LF5C-3	ROTARY KNOB OPTION						PC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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W	SANITARY WASTE (W)
GW	GREASE WASTE (GW)
CW	COLD WATER (CW)
HWS	HOT WATER SUPPLY (HWS)
HWR	HOT WATER RETURN (HWR)
TWS	TEMPERED WATER SUPPLY (TWS)
FWNSFW	FILTERED WATER (FW) / NON-SILOPHOS FILTERED WATER (NSFW)
ROW	REVERSE OSMOSIS WATER (ROW)
MCW	MULTIPLEX CHILLED WATER (MCW)
PW	POWER WASH LINE (PW)
C	CONDENSATE LINE
V	PLUMBING VENT (V)
-----	SANITARY WASTE (W) OR STORM WATER (ST) - BELOW SLAB/GRADE
-----	SANITARY WASTE (W) OR STORM WATER (ST) - ABOVE SLAB/GRADE
o	PIPE TURNING UP/DOWN PIPE
+	UNION
SV	BALL VALVE
CV	CIRCUIT SETTER TYPE BALANCING VALVE
CV	"CV" CHECK VALVE (DIRECTION OF FLOW)
+	FIXTURE OR EQUIPMENT IDENTIFICATION
+	PLAN NOTE
AFF / AFG	ABOVE



OWNER RESPONSIBLE FOR INITIAL START UP OF RTU'S. COORDINATE WITH QT REPRESENTATIVE FOR LATEST CONTACT INFORMATION TO SCHEDULE START UP. ONE WEEK NOTIFICATION REQUIRED.

STARTUP REQUIREMENTS:

- PERMANENT POWER
- SUPPLY TEMP SENSORS INSTALLED IN DUCTWORK

HOLD TOP OF DUCTWORK TO UNDERSIDE OF STRUCTURE WHEREVER POSSIBLE, ALLOWING ADEQUATE SPACE FOR DUCT WRAP INSULATION PER SPECS.

PAINT INSIDE OF HARD DUCTS OR PLENUMS BLACK WHERE VISIBLE THROUGH GRILLE FACE.

ALL BRANCH DUCTS SHALL HAVE BALANCING DAMPER INSTALLED AS INDICATED ON DRAWINGS. HANDLE SHALL BE ACCESSIBLE AND BE CAPABLE OF OPENING OR CLOSING FULLY. PROVIDE RECTANGULAR DAMPERS TYPICAL OF RUSKIN MD35. PROVIDE ROUND DAMPERS TYPICAL OF RUSKIN MDR525 WITH 2" STAND-OFF BRACKET. RE: SPECS. RE: DIFFUSER CONNECTION DETAIL MI-M501.

- ROOFTOP UNIT ABOVE. RE: M103 FOR CONTINUATION.
- ROOF MOUNTED EXHAUST FAN ABOVE. RE: M103 FOR CONTINUATION.
- TEMPERATURE SENSOR (TS) AND/OR HUMIDITY SENSOR (HS). RE: LOW VOLTAGE DRAWINGS FOR EXACT QUANTITY AND LOCATION.
- SUPPLY & RETURN DUCT MOUNTED SMOKE DETECTOR SYSTEM MEETING THE REQUIREMENTS OF UL 268A. DETECTORS SHALL BE INTERLOCKED VIA RELAYS TO SHUT DOWN ALL ROOFTOP UNITS UPON DETECTION OF SMOKE BY ANY ONE DETECTOR. SYSTEM SENSOR SMOKE DETECTOR CONTROLLER #D4P120B AND SENSORS #D45B.
- AAON SHALL FURNISH ANNUNCIATOR/REMOTE TEST STATION COMBO MODEL RTS-2A05 MULTI-SIGNALING DEVICE WITH STROBE, ONE PER EACH RTU, COMPATIBLE WITH 4-WIRE CONVENTIONAL DUCT SMOKE DETECTORS FOR VISIBLE AND AUDIBLE ALARM SIGNAL, VISIBLE TROUBLE SIGNAL, AND REMOTE TESTING. CONTRACTOR SHALL INSTALL ANNUNCIATORS AND PROVIDE ALL CONTROL WIRING AND RELAYS BETWEEN SMOKE DETECTORS AND RESPECTIVE ANNUNCIATORS. MOUNT ANNUNCIATORS ON ROOM SIDE OF CEILING. LABEL EACH WITH THE NAME OF THE UNIT AND DETECTOR IT SERVES AS FOLLOWING:
"RTU-1 SUPPLY / RETURN AIR DUCT DETECTOR TROUBLE"
"RTU-2 SUPPLY / RETURN AIR DUCT DETECTOR TROUBLE"
"RTU-3 SUPPLY / RETURN AIR DUCT DETECTOR TROUBLE"
- INTERLOCK RTU VIA RELAY TO HOOD CONTROL PANEL. RTU SHALL SHUT DOWN UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.

- INSTALL EXHAUST HOOD SYSTEM. CONNECT PERFORATED SUPPLY PLENUM TO SUPPLY DUCT WITH (2) 28"x10" SUPPLY DROPS.
- ROOF MOUNTED EXHAUST FAN ABOVE. INSTALL 12" GREASE DUCT TO ROOF MOUNTED FAN. EXTEND HOOD COLLAR. BALANCE TO AIRFLOW RATE SCHEDULED ON M501. COORDINATE WITH ELECTRICAL CONTRACTOR FOR FAN CONTROLS BETWEEN HOOD AND FAN. RE: QT INSTALL DRAWINGS AND HOOD MANUFACTURER'S INSTRUCTIONS. RE: M103 FOR CONTINUATION.
- CO2 TANK, EXHAUST FAN, AND VENT PIPING. MOUNT VENTILATION FAN TO ALLOW FOR CEILING ACCESS TO CONTROLS AND DISCONNECTS. ROUTE 8" DUCT, PAINTED TO MATCH WALL. TERMINATE 8" DUCT @ 12" AFF WITH 1/4" x 1/4" GALVANIZED SCREEN ON OPENING AT THE BOTTOM. PROVIDE GOOSENECK WITH 1/4" x 1/4" GALVANIZED SCREEN AT TOP. RE: K4-M501 FOR CO2 EXHAUST DUCTWORK DETAIL. RE: AI-M501 FOR FAN SCHEDULE.
- PROVIDE MANUAL BALANCING DAMPER AT SUPPLY DROPS BALANCED AT 575 CFM. RE: AI-M501 FOR SECTION VIEW.
- PROVIDE TRANSFER GRILLE MOUNTED @ 12" AFF TO TOP OF GRILLE, AND CENTERED IN ACCESS DOOR BETWEEN FOUNTAIN WALL AND FREEZON SPACE.
- PROVIDE 8" BACKDRAFT DAMPER LOCATED IN VERTICAL DUCT @ 9'-6" TO TOP OF DAMPER. PROVIDE DUCT CLAMP FITTING OR COUPLING TO TEMPORARILY REMOVE DUCT WITHIN SPACE FOR CLEANING/MAINTENANCE OF EQUIPMENT IN THIS AREA.
- RE: E504 FOR EXACT GRILLE/DIFFUSER LOCATIONS WITHIN HARD CEILING.
- INSTALL HOOD SUPPRESSION PUSH STATION. RE: FII-E501 FOR ELEVATION.
- PROVIDE VAV DIFFUSER WITH ROOM THERMOSTAT. DAMPER TO CLOSE WHEN ROOM TEMPERATURE EXCEEDS 85 DEGREES.

STATE OF MISSOURI

NEL P. BARTLEY

NUMBER PE-2007023886

PROFESSIONAL ENGINEER

SIGNATURE DATE:

11/25/2024

H & B

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QT

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PROTOTYPE P-120

DIVISION KANSAS CITY

VERSION G3SE

DATE 11-01-2024

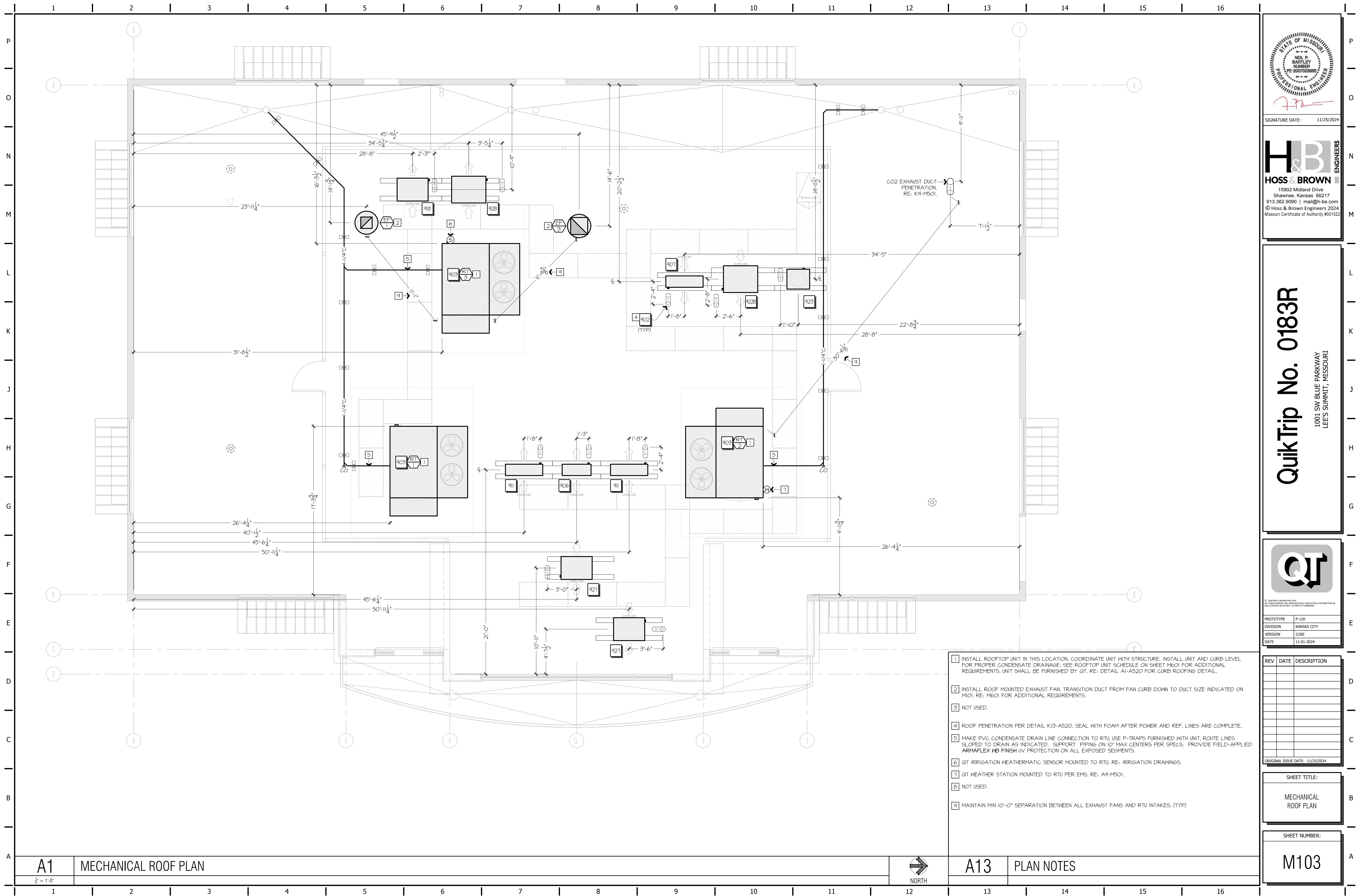
REV	DATE	DESCRIPTION
ORIGINAL ISSUE DATE: 11/25/2024		

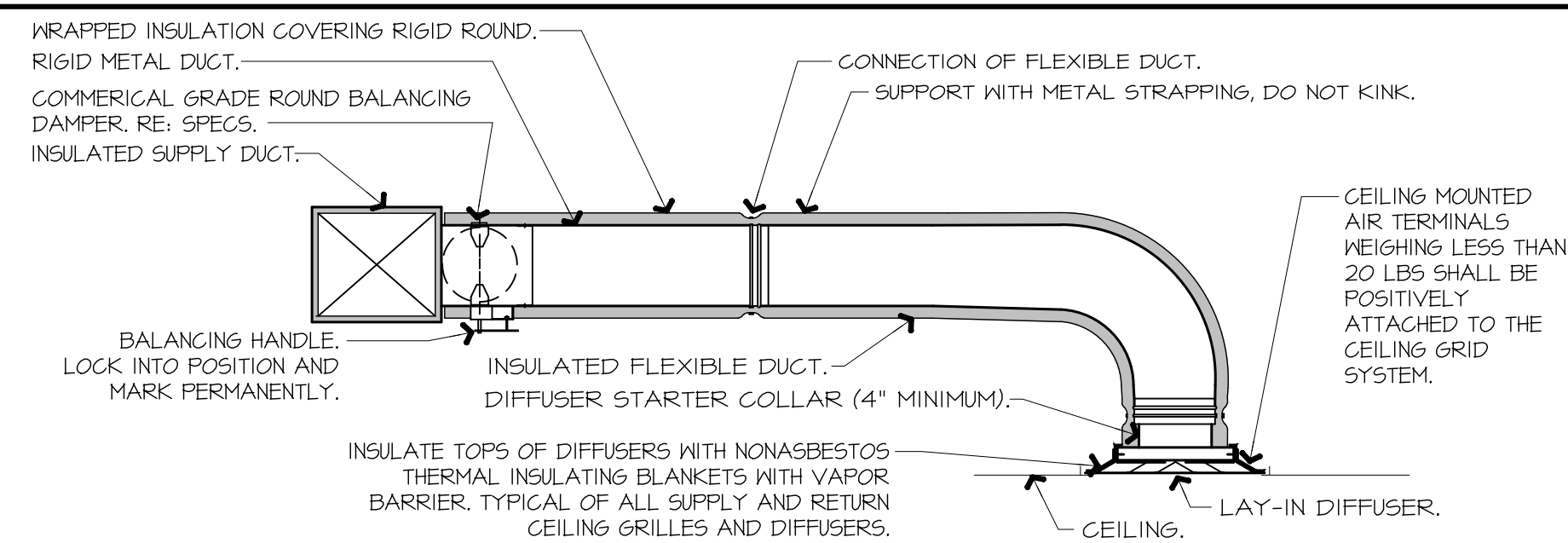
SHEET TITLE:

MECHANICAL DUCTWORK FLOOR PLAN

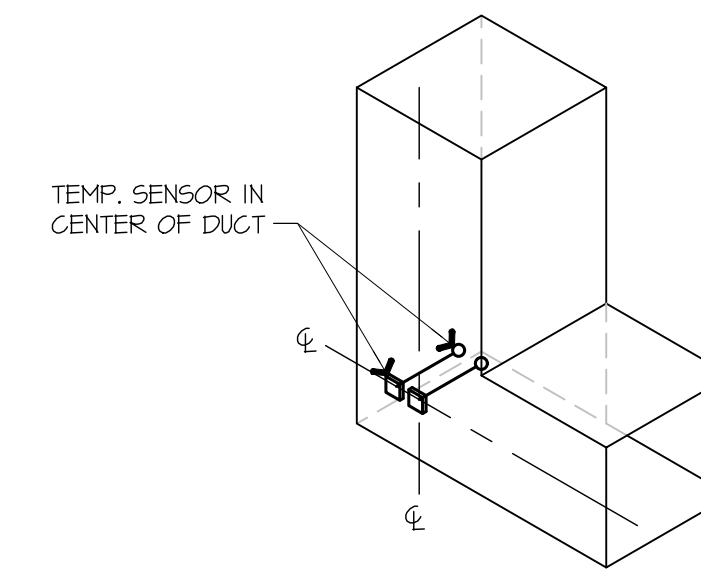
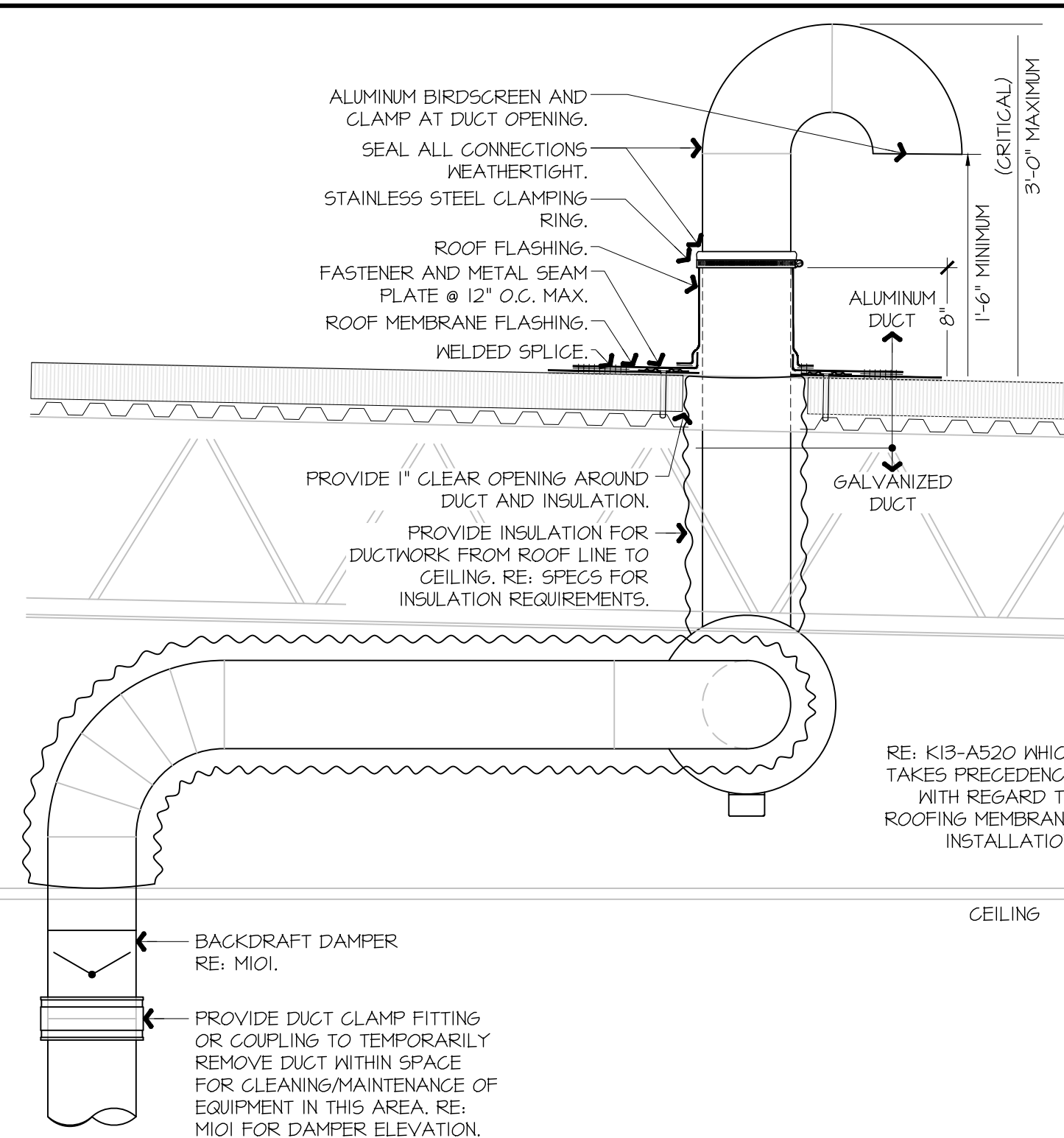
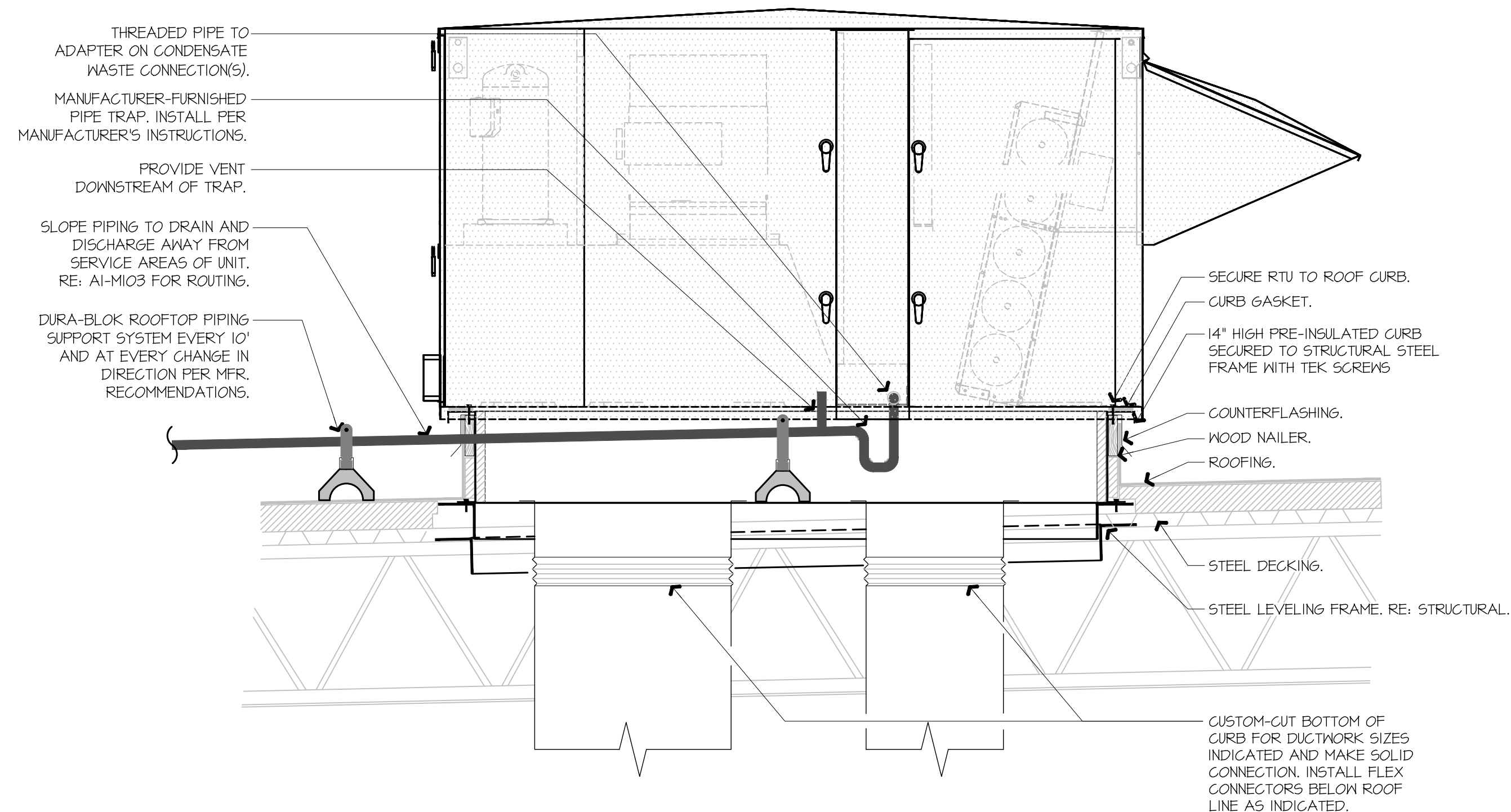
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M101



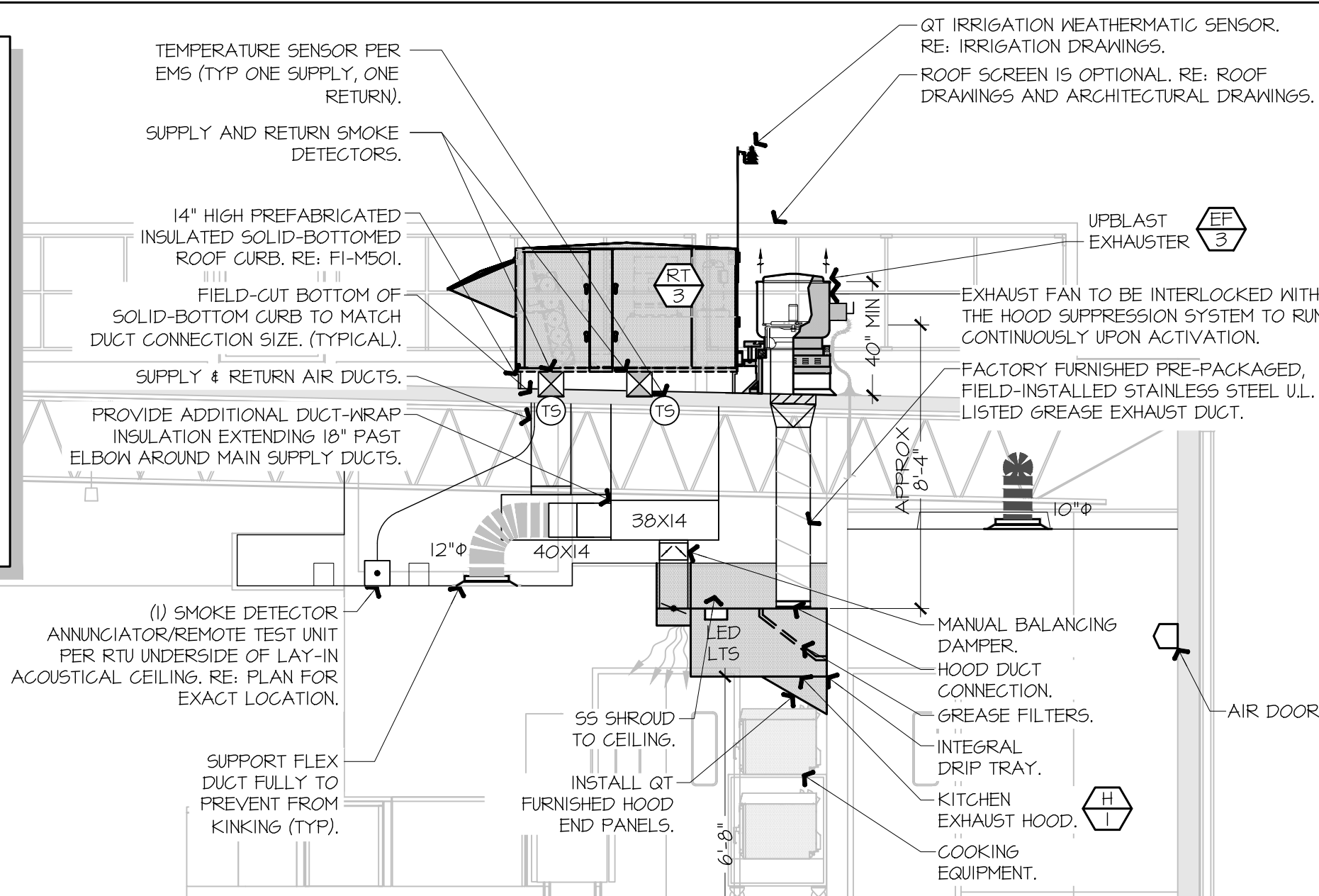
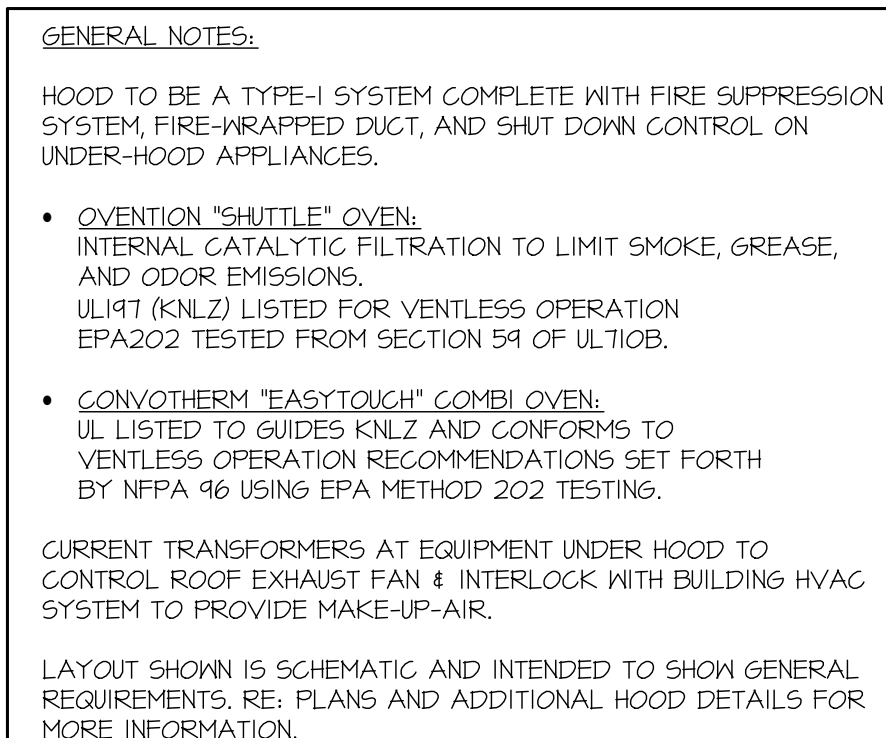
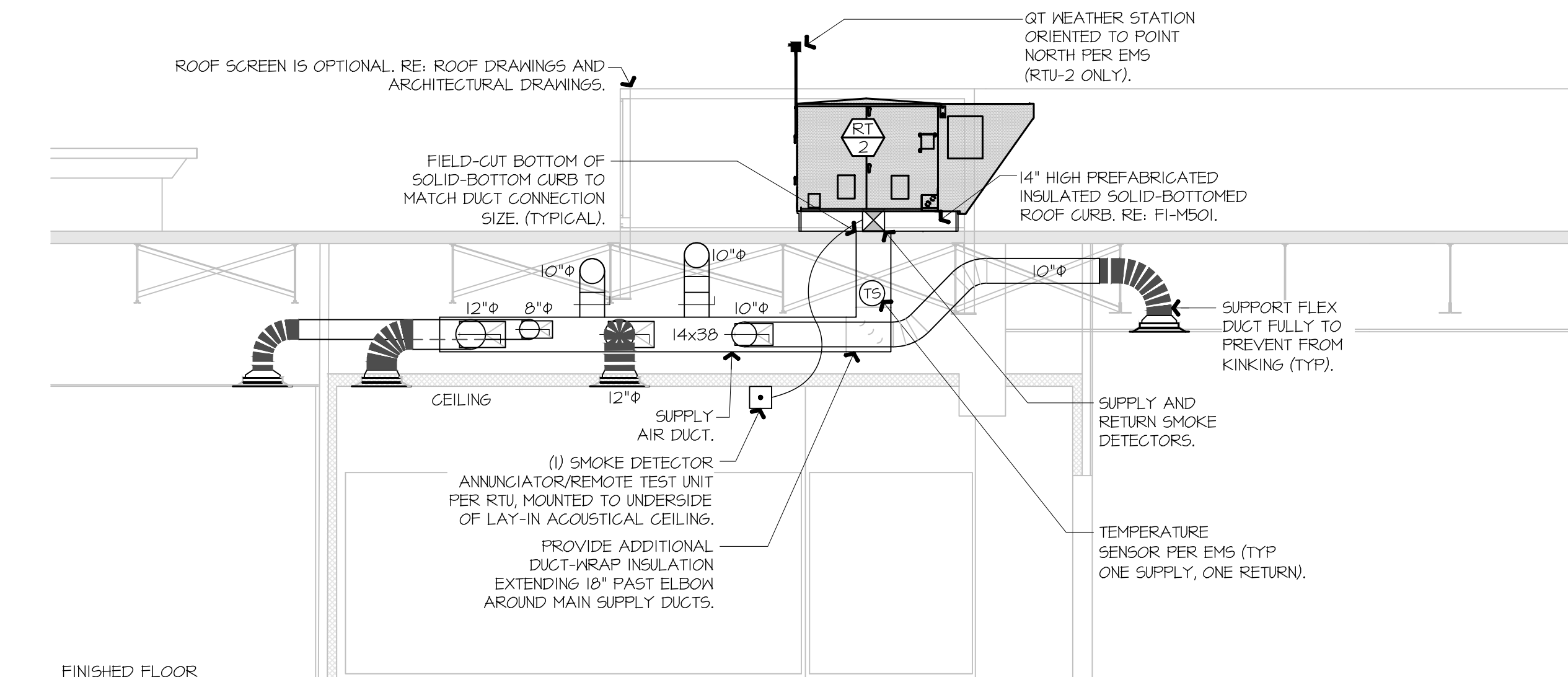
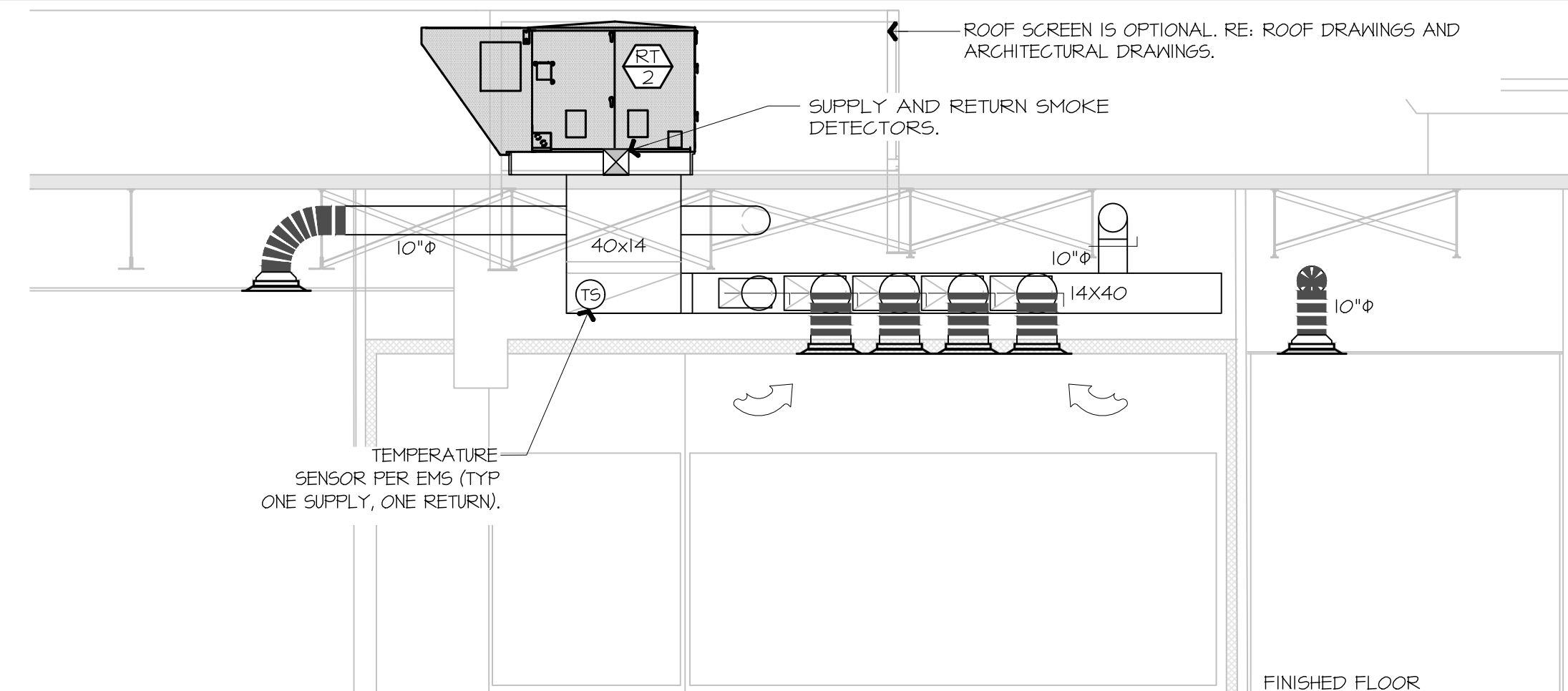


- NOTES:
1. PROVIDE AT FLEXIBLE DUCT CONNECTION METAL OR "PANUIT" DRYBAND ON THE INTERIOR FLEXIBLE DUCT HELIX. SECURE THE INSULATION OVER THE DRYBAND WITH AN ADDITIONAL DRYBAND.
 2. PROVIDE BEADING ON ROUND METAL DUCT 12" OR LARGER IN DIAMETER.
 3. PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEX DUCT TO ROUND DUCT, DAMPERS AND DIFFUSERS.
 4. BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE FIBER REINFORCED FOIL BACKED TAPE FOR INSULATION OVERLAP.



- NOTES:
- DETAIL APPLIES FOR BOTH SUPPLY DUCT SENSORS.
 - SUPPLY AIR SENSORS WILL TERMINATE AT RESPECTIVE ROOF TOP UNITS.
 - (1) SENSOR TO TERMINATE AT THE 88A0 BOARD, INPUT #2
 - (1) SENSOR TO TERMINATE AT THE LVLTB TERMINALS C6+C7
 - RETURN AIR SENSORS ARE FACTORY MOUNTED AND TERMINATED.

(RE: QT EMS DRAWINGS FOR MORE INFORMATION)



SIGNATURE DATE: 11/25/2024

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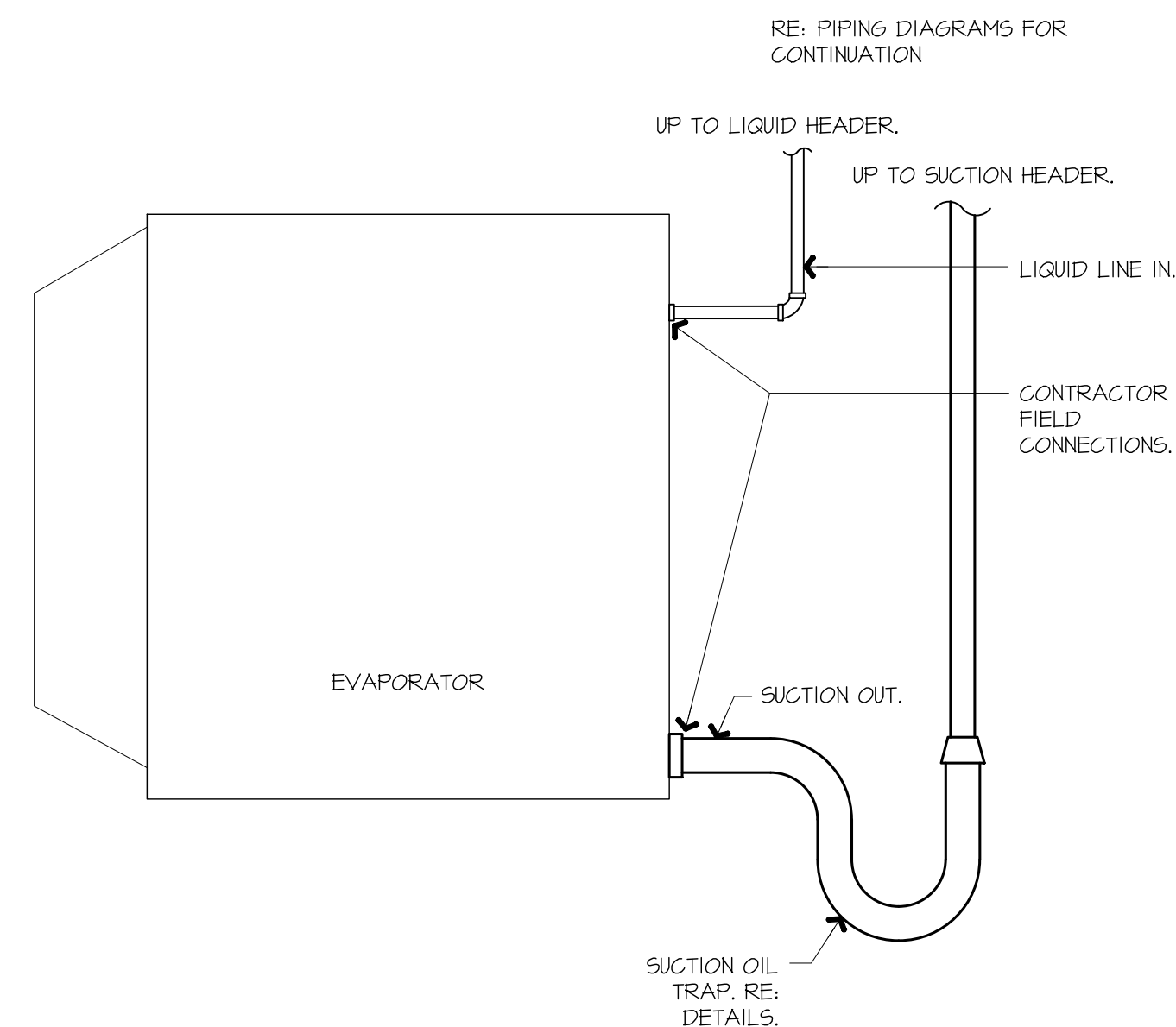
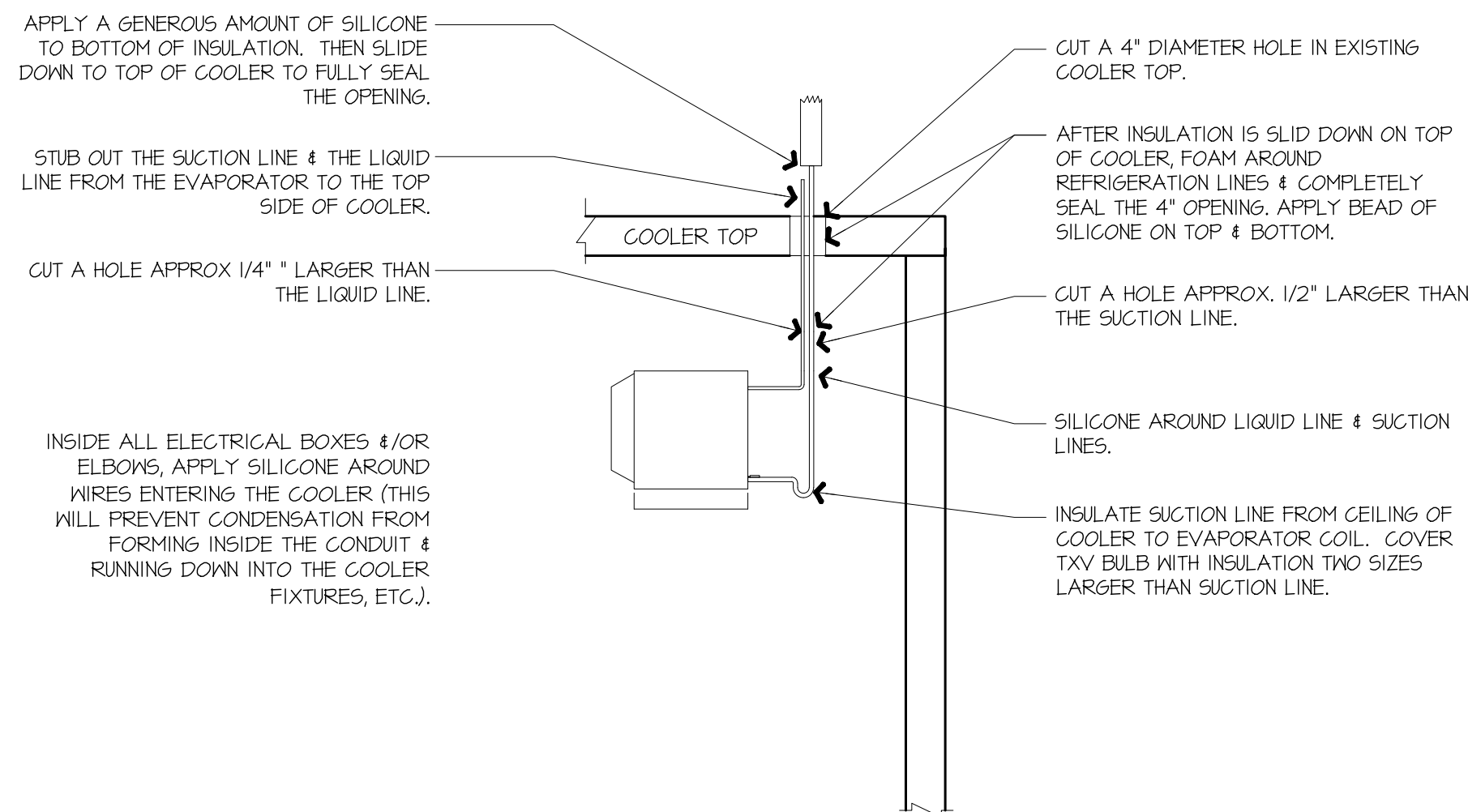
PROTOTYPE	P-120
DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-01-2024

[illegible]

SHEET TITLE:
MECHANICAL SECTIONS & DETAILS

SHEET NUMBER:

M501



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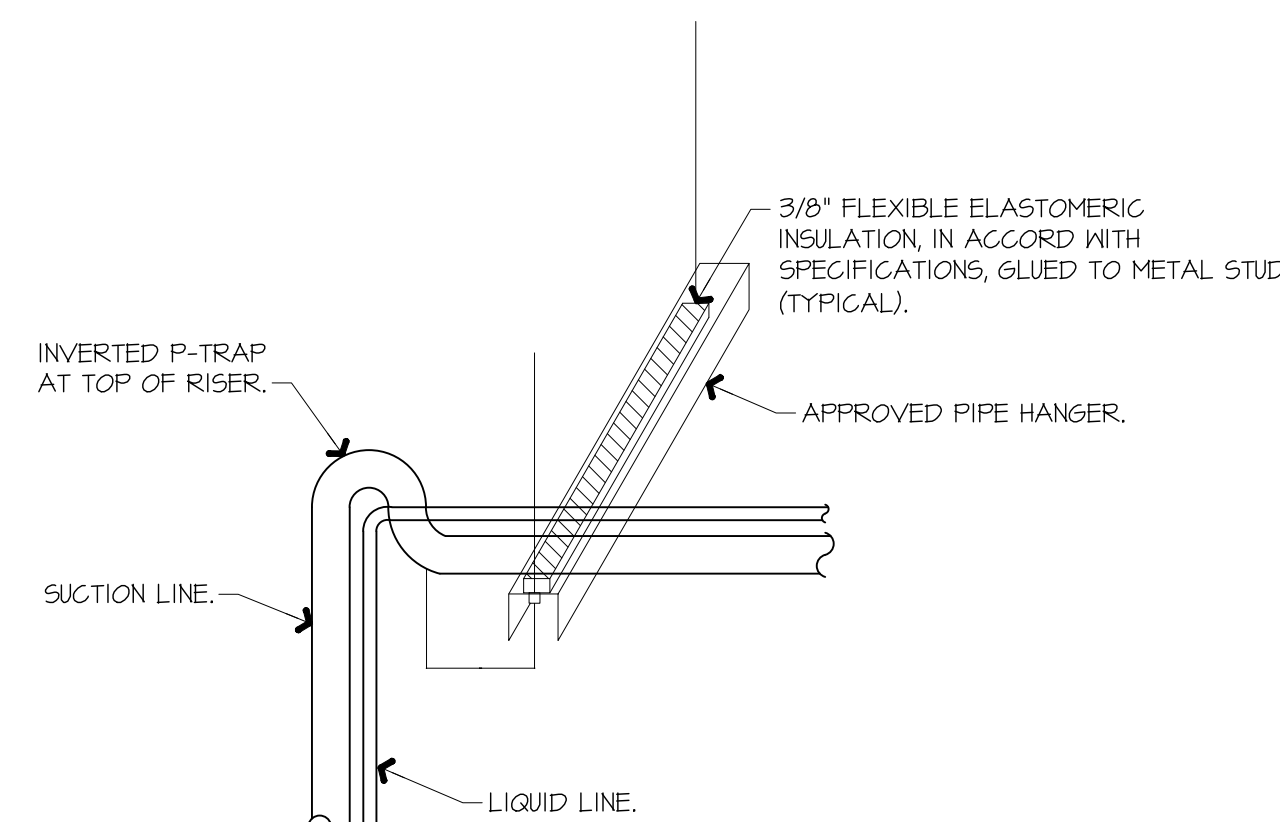
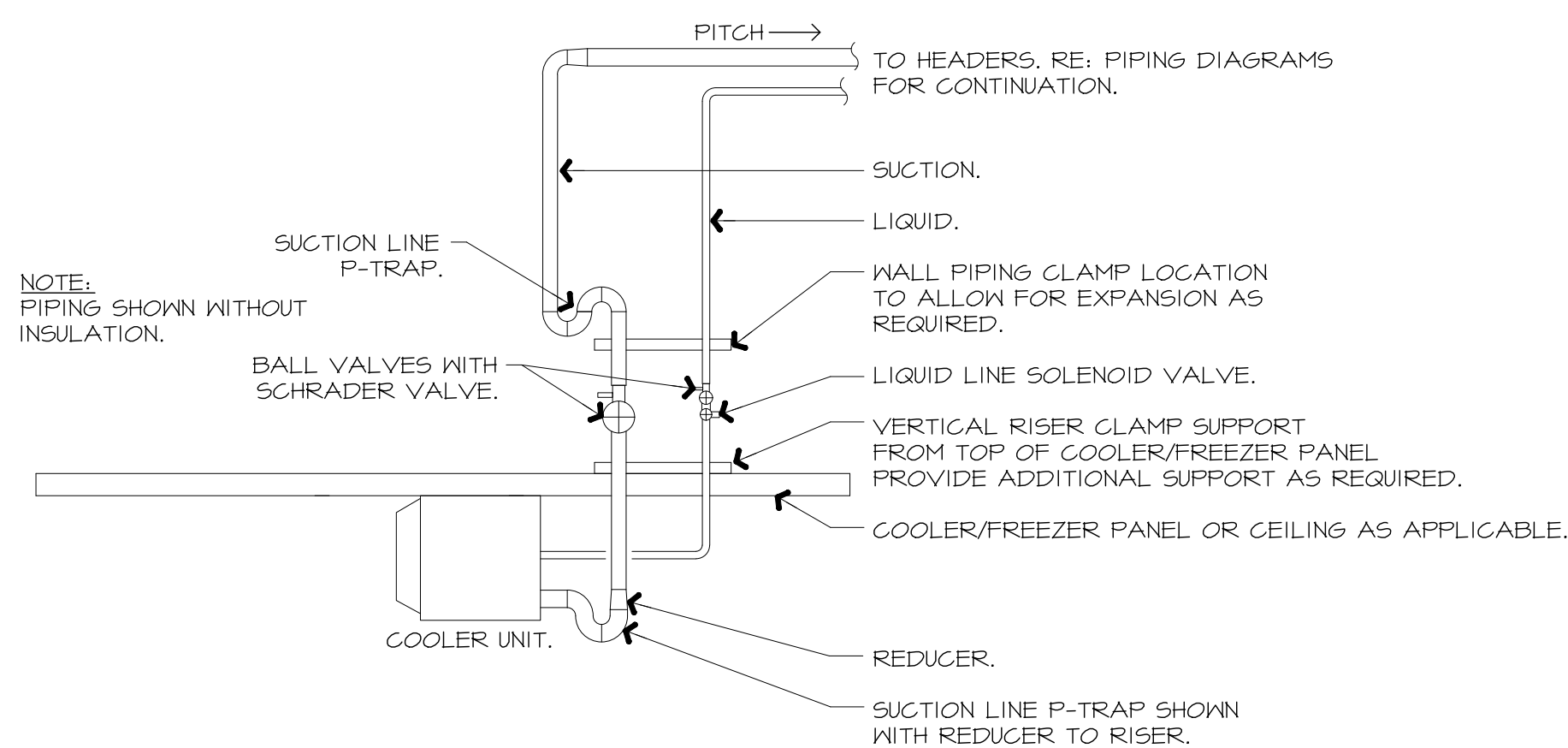
PROTOTYPE	P-120
DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-01-2024

[illegible]

SHEET TITLE:
MECHANICAL DETAILS

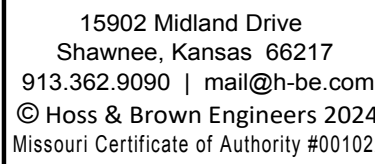
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M502

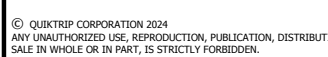




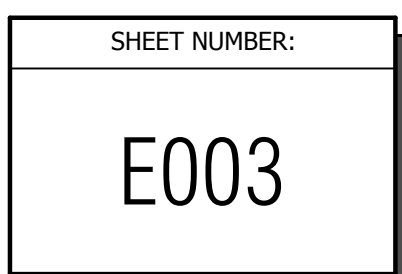
ROUTE ALL ABOVE GRADE WIRING RELATED TO LIGHTING, SECURITY, AND LOW VOLTAGE WITHIN CONDUIT. CONDUIT TO BE RIGID STEEL, INTERMEDIATE METAL, OR SCHEDULE 80 PVC. RE: SPECIFICATIONS.

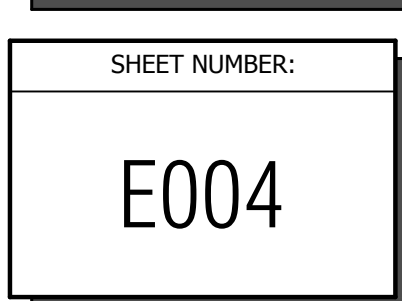


1001 SW BLUE PARKWAY
LEE'S SUMMIT, MISSOURI

E002

NORTH

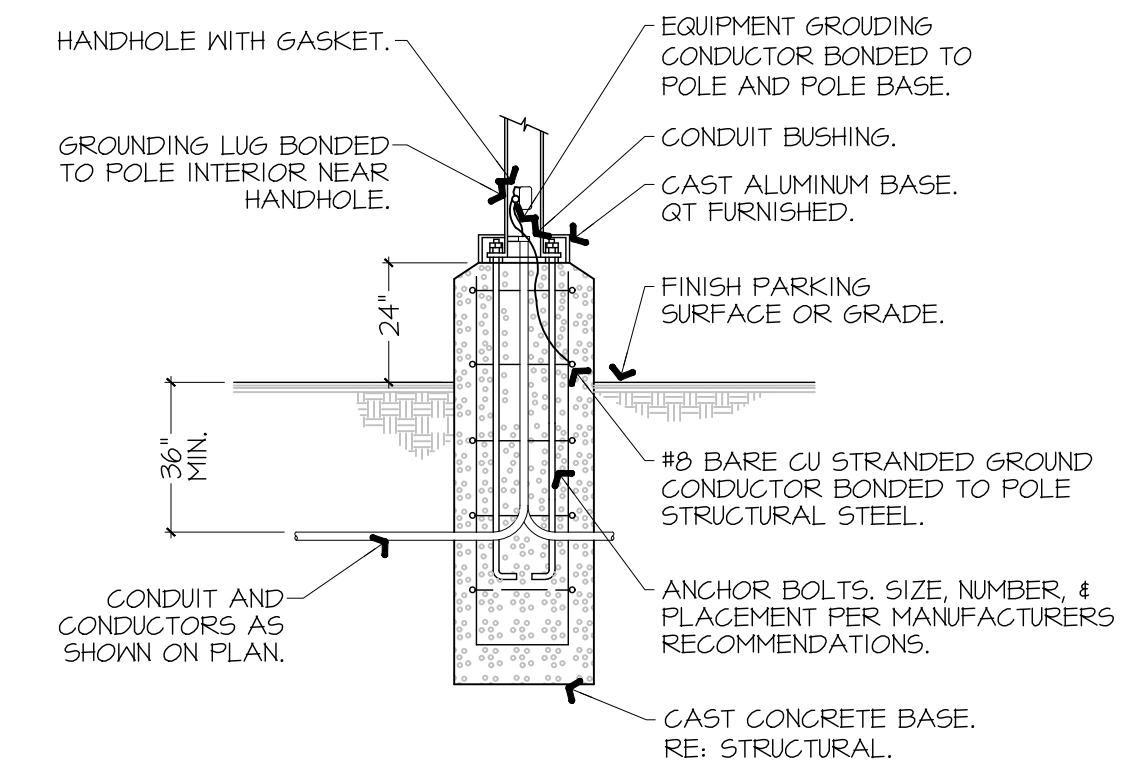
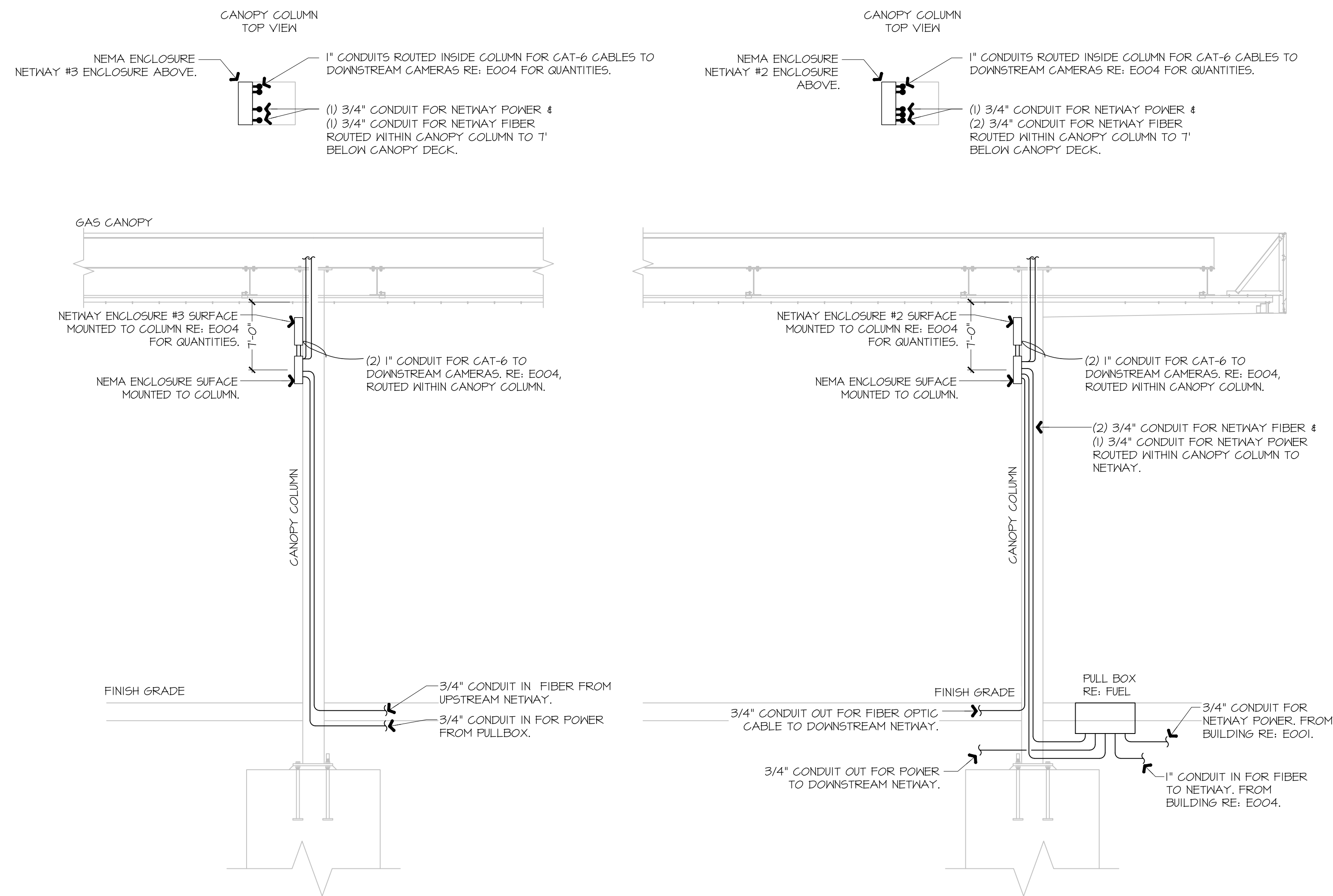




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SHEET TITLE:
GAS CANOPY VA CAMERA LOCATIONS

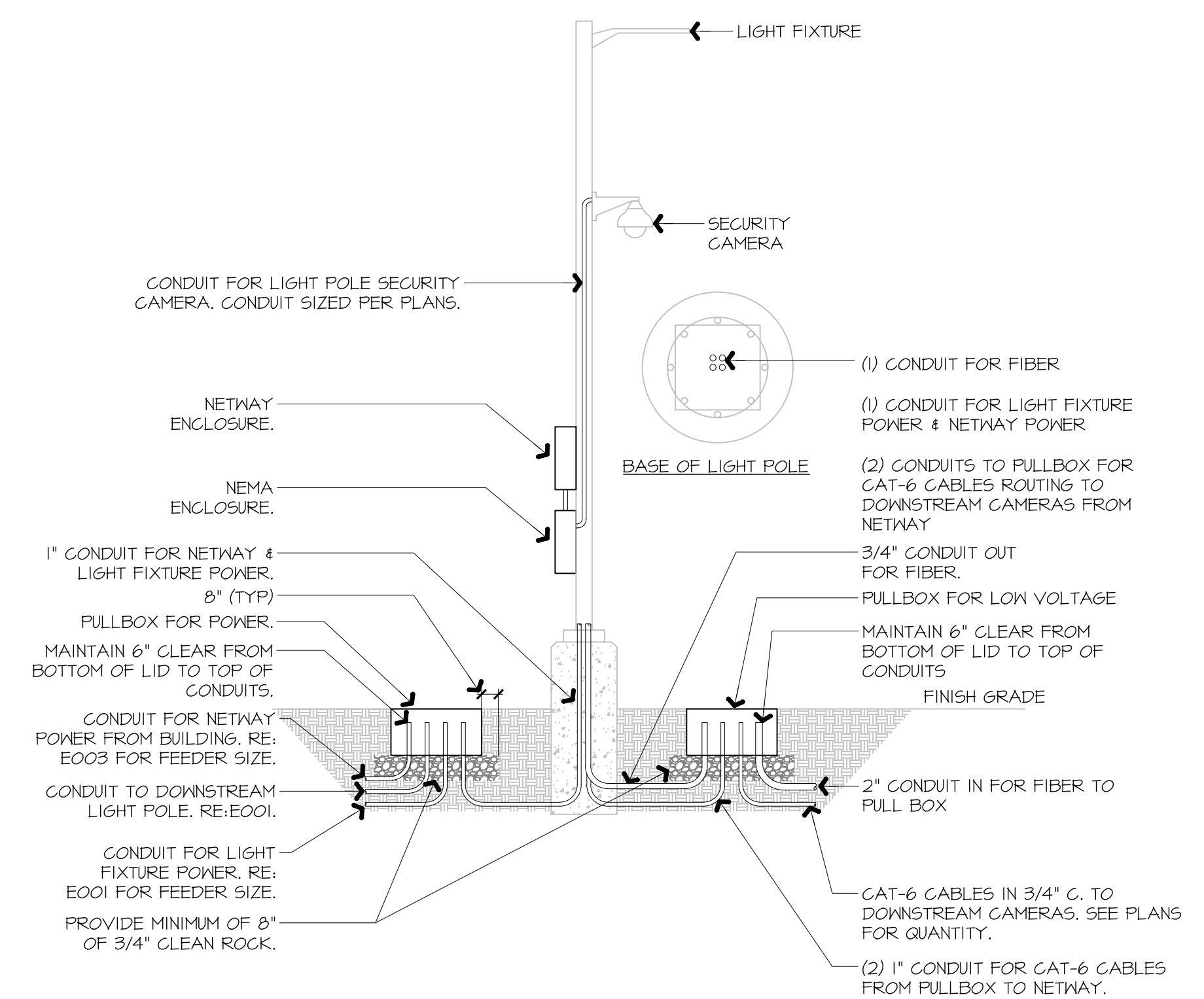
SHEET NUMBER:
E005



NOTE:
DIAMETER & DEPTH OF CONCRETE BASE TO BE DETERMINED ON A REGIONAL BASIS. STRUCTURAL ENGINEER SHALL DETERMINE REBAR AND CONCRETE BASED ON REGIONAL WEATHER AND SOILS CONDITIONS.
FOR ANY LIGHT POLE CONTAINING MORE THAN ONE CIRCUIT, PROVIDE GROUNDING ELECTRODE PER NEC 250.32.

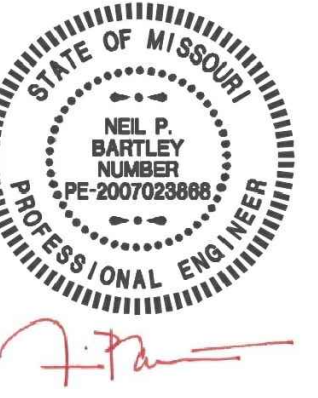
H1	GAS CANOPY SECURITY CONDUIT DETAIL
NOT TO SCALE	A1-E003

H13	ELECTRICAL POLE BASE DETAIL
NOT TO SCALE	A1-E001



A1	NOT USED
----	----------

A12	LIGHT POLE SECURITY CONDUIT DETAIL
NOT TO SCALE	A1-E003



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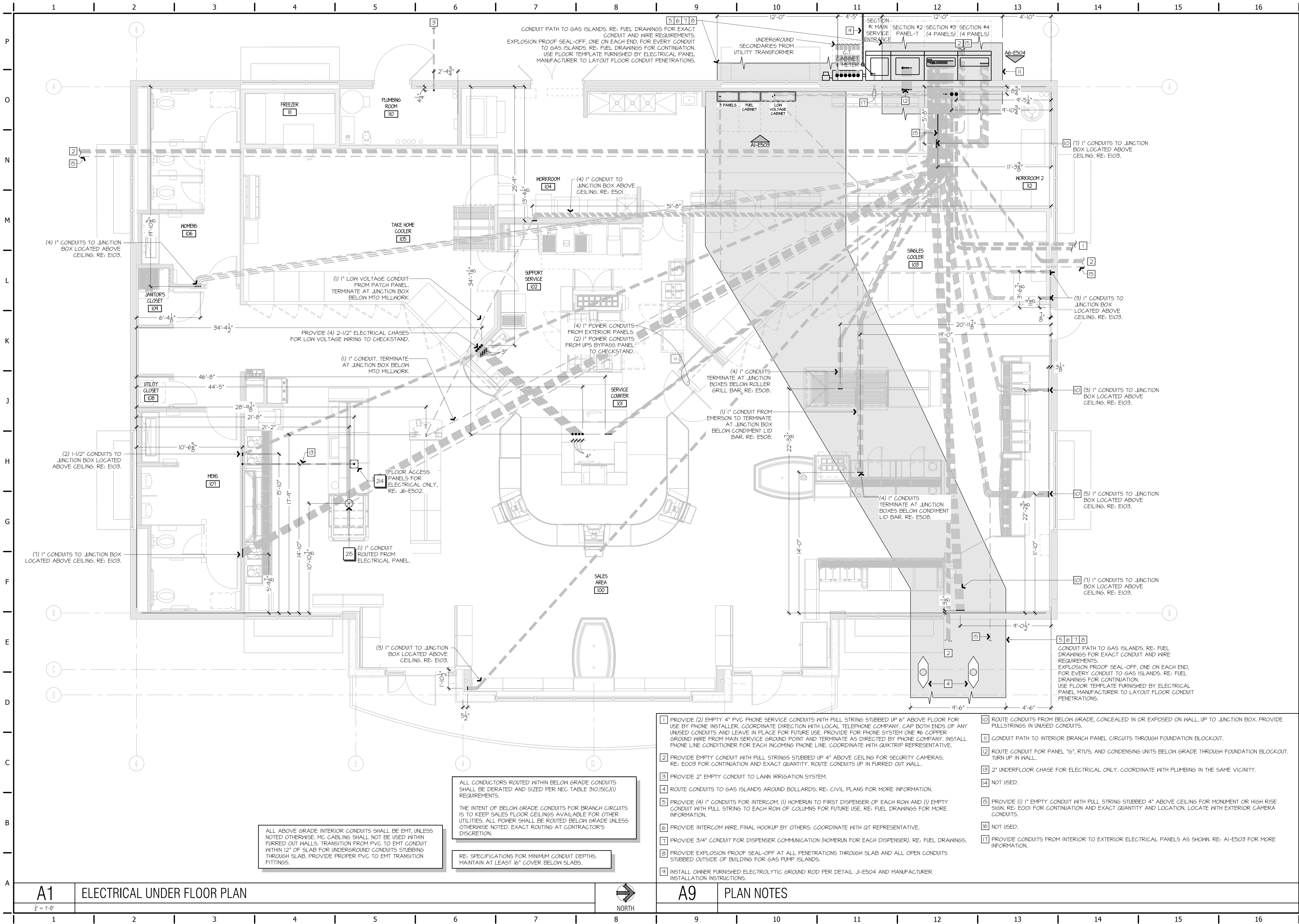
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SHEET TITLE:

ELECTRICAL SITE
DETAILS

SHEET NUMBER:

E006



STATE OF MISSOURI

NEL P. BARTLEY

NUMBER PE-2007023866

PROFESSIONAL ENGINEER

SIGNATURE DATE:

11/25/2024

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VERSION

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DATE

11-01-2024

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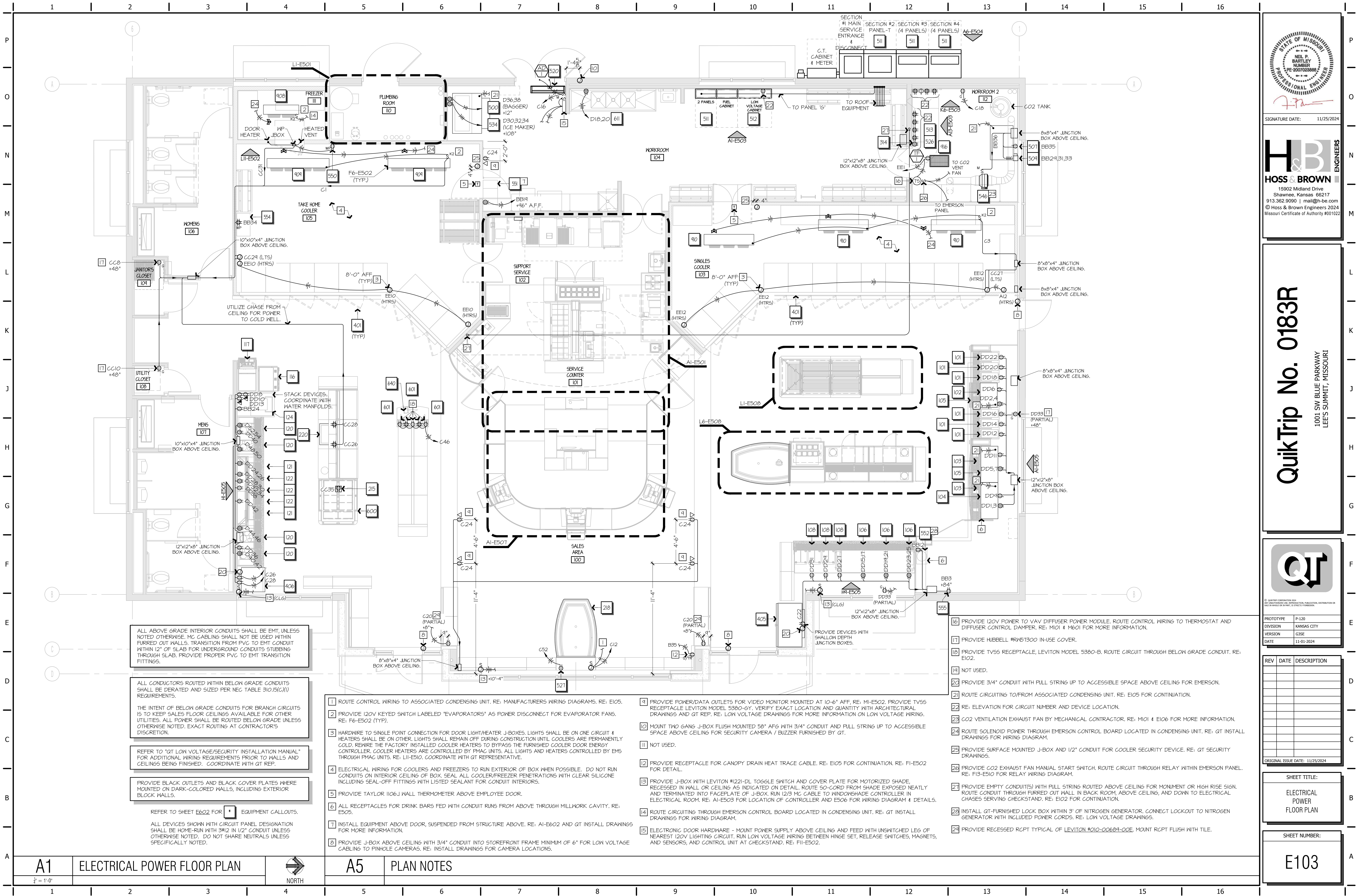
ORIGINAL ISSUE DATE: 11/25/2024

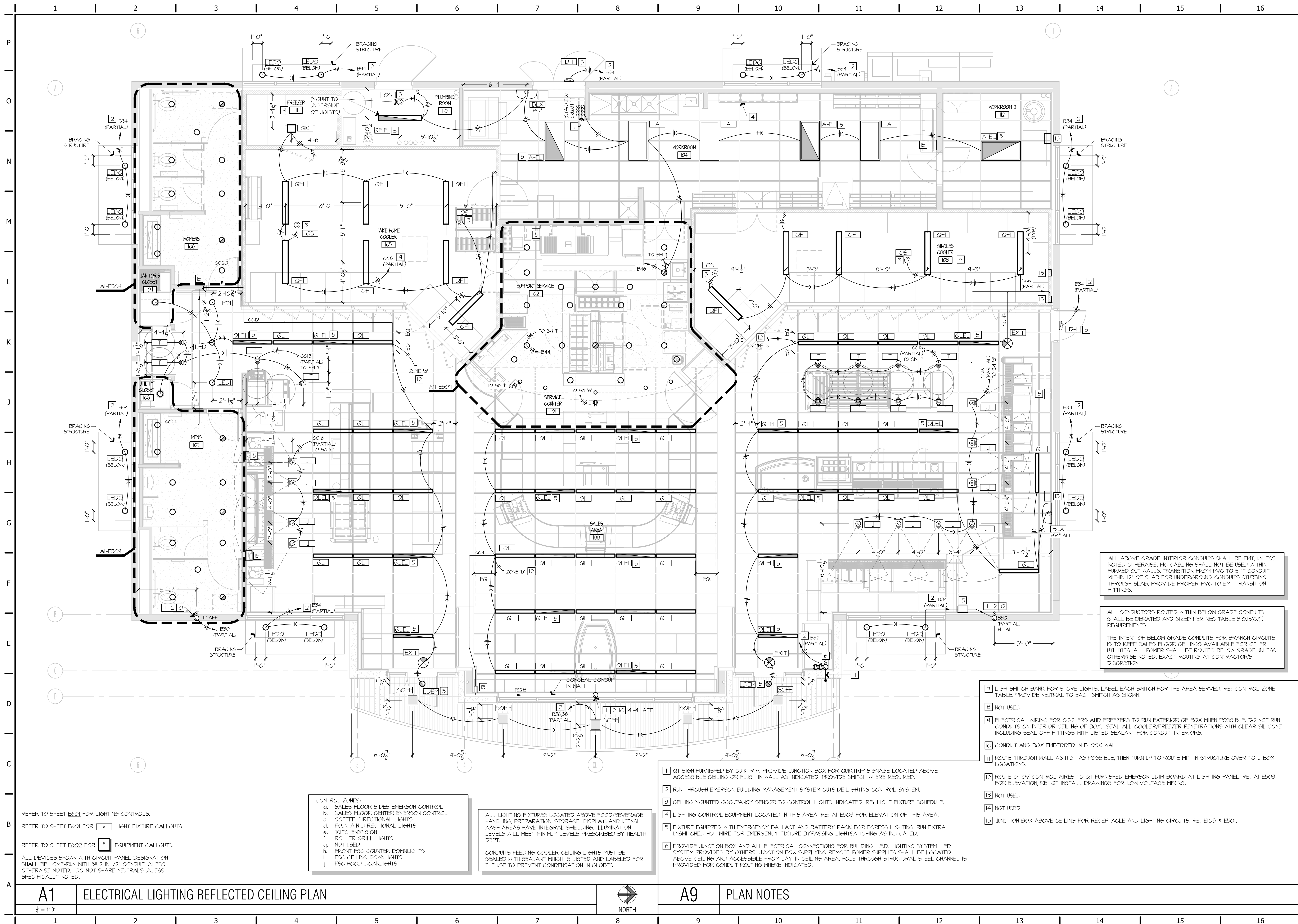
SHEET TITLE:

ELECTRICAL UNDERFLOOR PLAN

SHEET NUMBER:

E102







 NEIL P. BARTLEY
 NUMBER
 PE 2007023886
 PROFESSIONAL ENGINEER



SIGNATURE DATE: 11/25/2024

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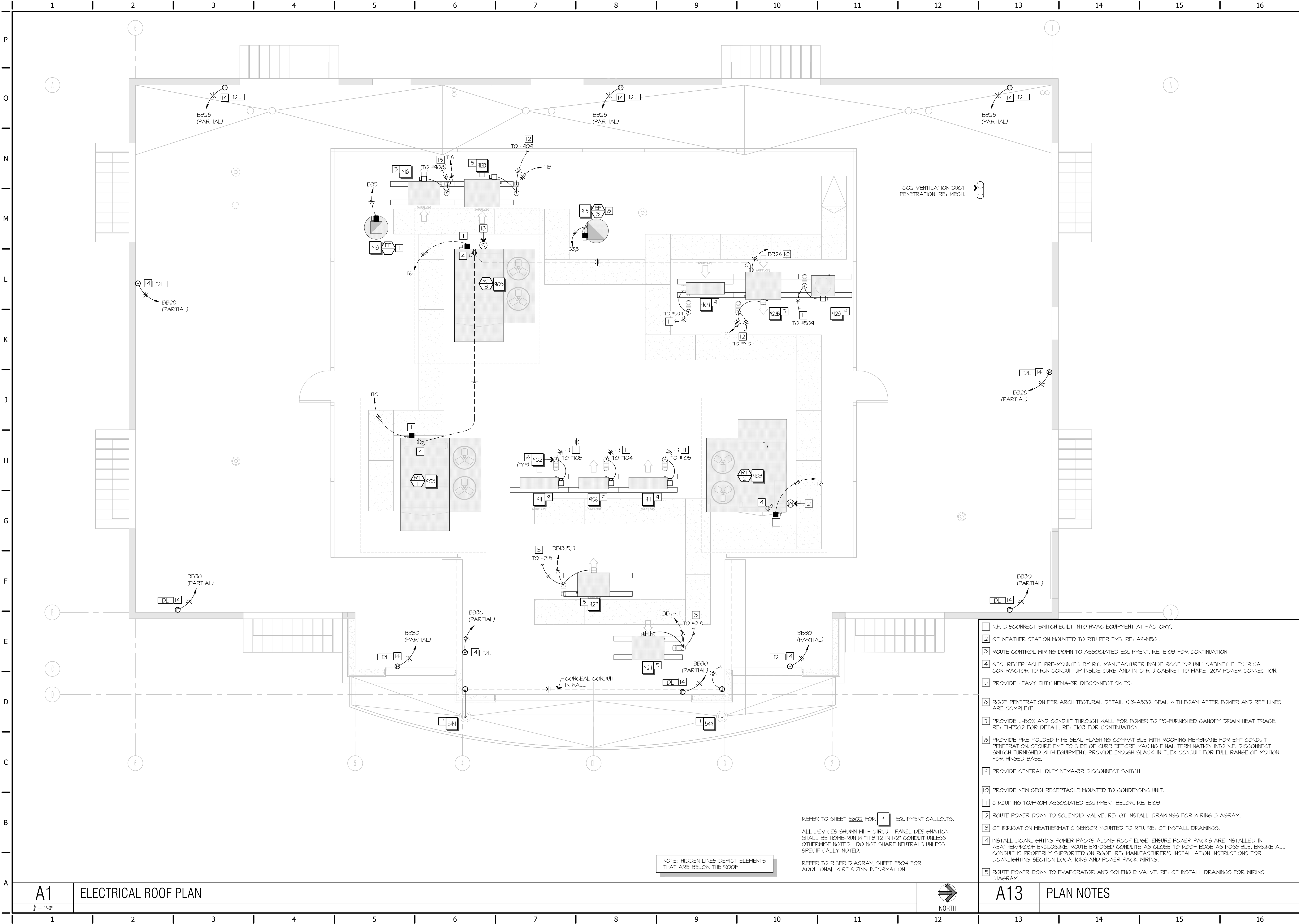
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DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-01-2024

[illegible]

SHEET TITLE:
ELECTRICAL LIGHTING REFLECTED CEILING PLAN

SHEET NUMBER:
E104



STATE OF MISSOURI

NEL P. BARTLEY

NUMBER PE-2007023886

PROFESSIONAL ENGINEER

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QT

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ORIGINAL ISSUE DATE: 11/25/2024		

SHEET TITLE:

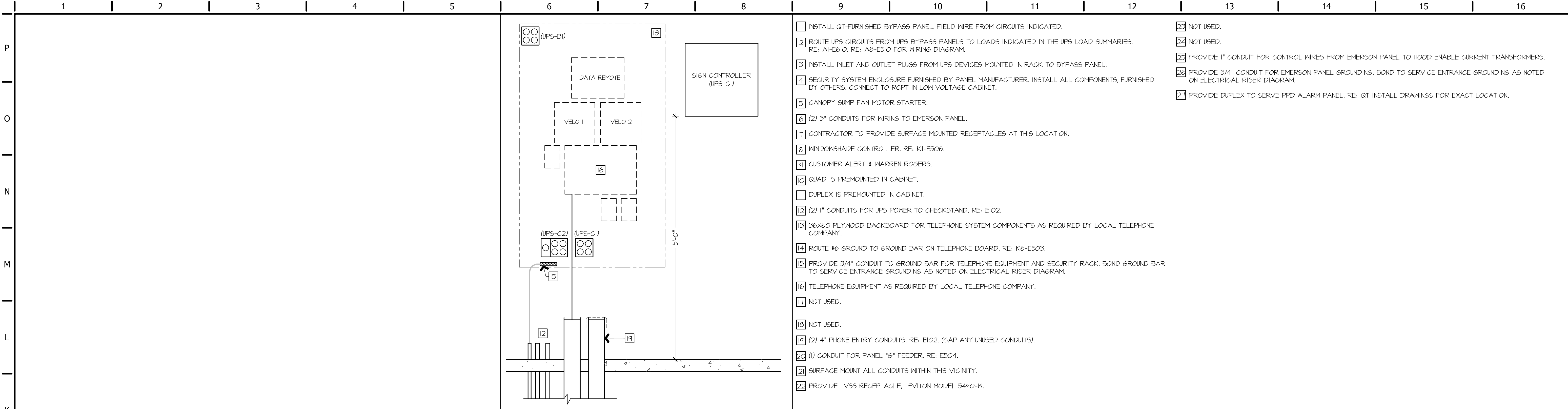
ELECTRICAL ROOF PLAN

SHEET NUMBER:

A13

P
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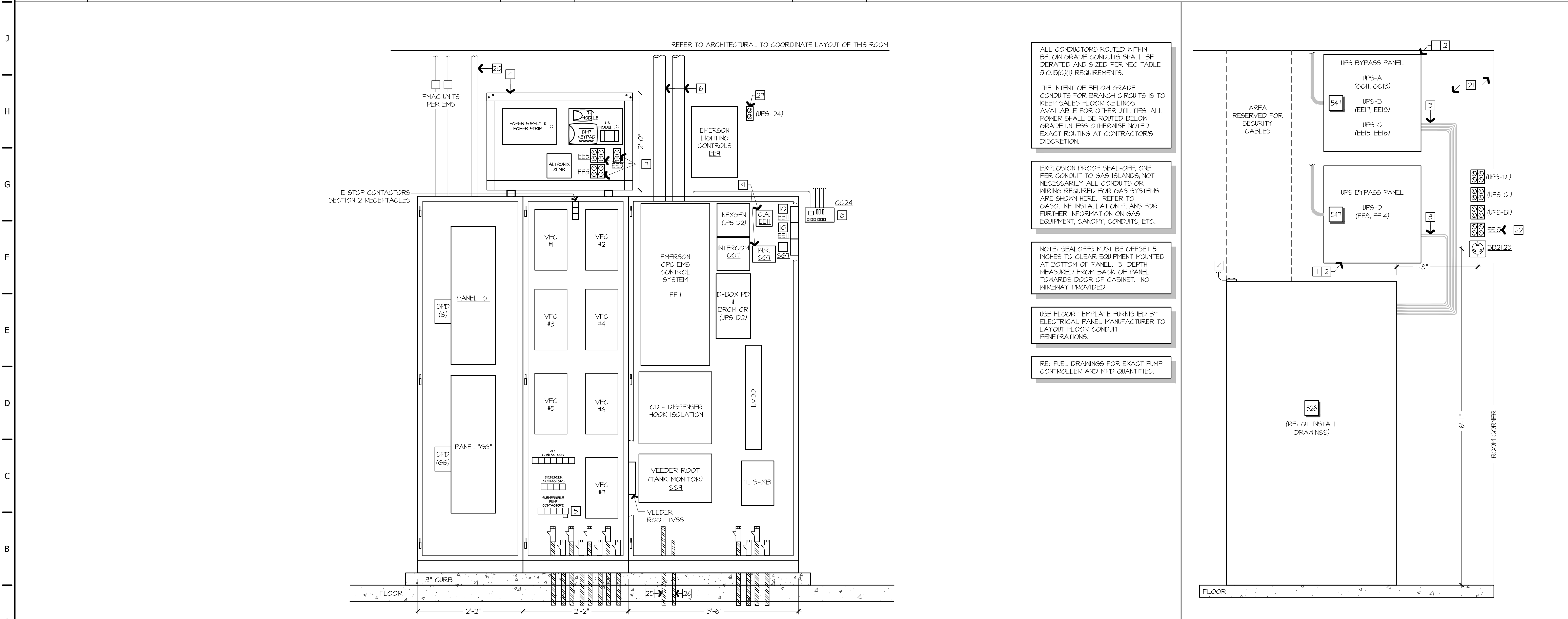




K1 NOT USED

K6 TELEPHONE WALL ELEVATION

K9 PLAN NOTES



A1 INTERIOR ELECTRICAL PANEL WALL ELEVATION

A13 SECURITY RACK ELEVATION

Professional Engineer Seal for NEL P. BARTLEY, Missouri, License Number PE-2007023886. Includes signature and date 11/25/2024.

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1001 SW BLUE PARKWAY
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VERSION		G3SE
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REV	DATE	DESCRIPTION
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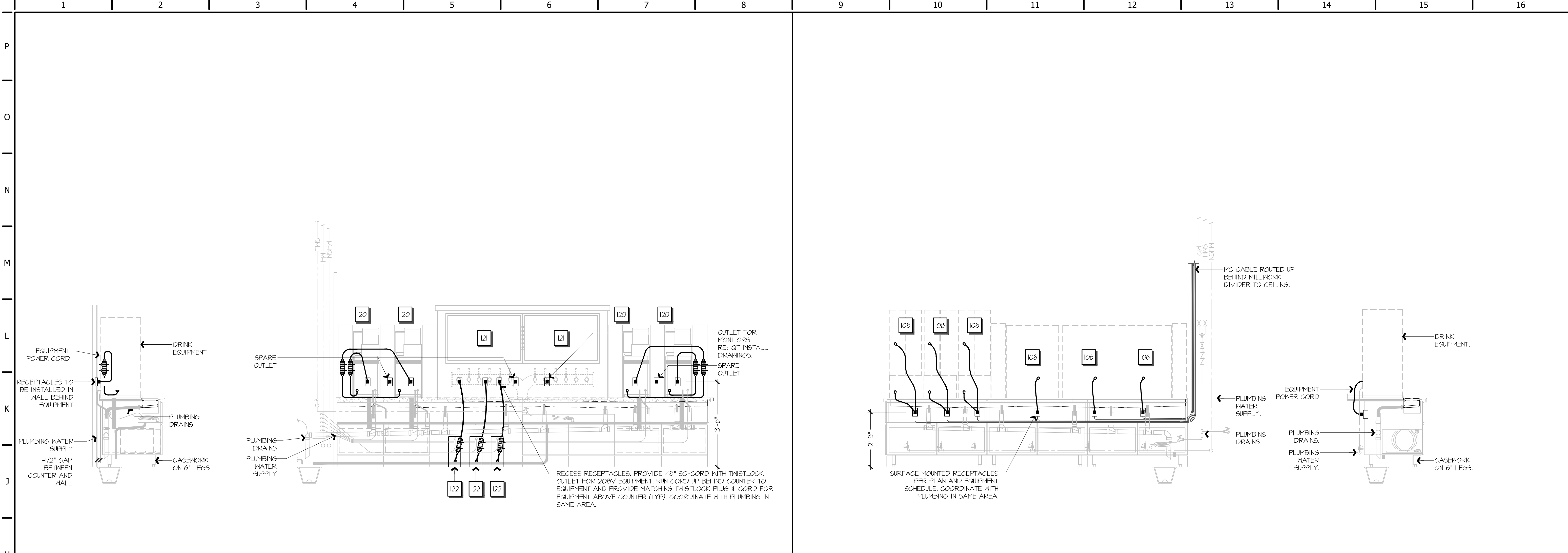
SHEET TITLE:
ELECTRICAL
DETAILS

SHEET NUMBER:
E503



PER GROUNDING
ELECTRODE
SYSTEM DETAIL.

E504

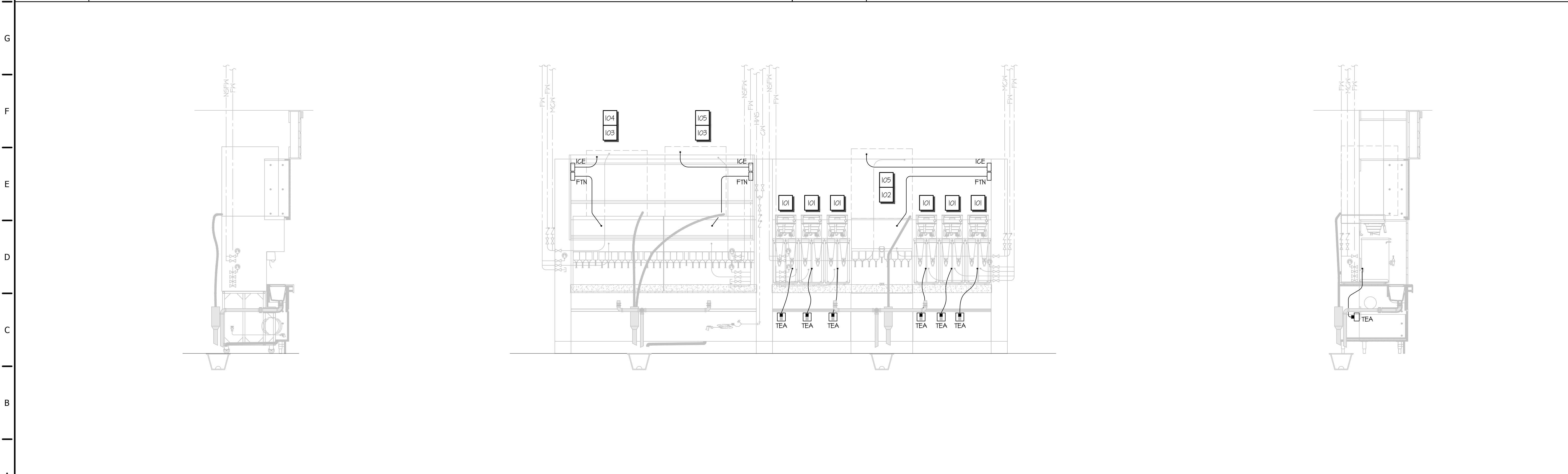


H1 COFFEE BAR REAR ELEVATION & SECTION

1/8" = 1'-0"
A1-E103

H9 FROZEN BAR REAR ELEVATION & SECTION

1/8" = 1'-0"
A1-E103



A1 FOUNTAIN WALL ELEVATION & SECTION

1/8" = 1'-0"
A1-E103

STATE OF MISSOURI

NEL P. BARTLEY

NUMBER PE-2007023886

PROFESSIONAL ENGINEER

11/25/2024

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QuikTrip No. 0183R

1001 SW BLUE PARKWAY
LEE'S SUMMIT, MISSOURI

QT

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PROTOTYPE

P-120

DIVISION

KANSAS CITY

VERSION

G3SE

DATE

11-01-2024

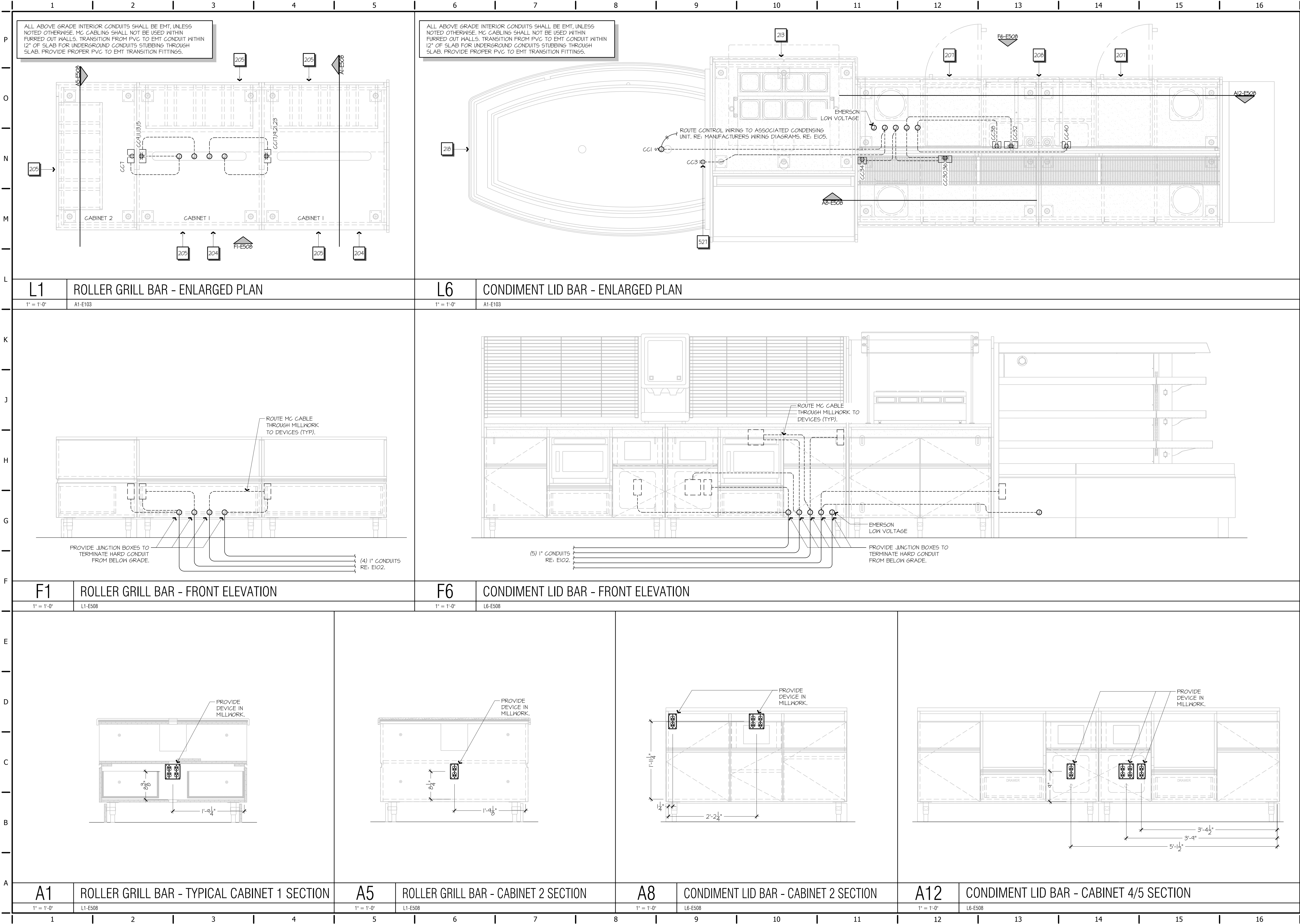
REV	DATE	DESCRIPTION
ORIGINAL ISSUE DATE: 11/25/2024		

SHEET TITLE:

ELECTRICAL
DETAILS

SHEET NUMBER:

E505



STATE OF MISSOURI

NEL P. BARTLEY

NUMBER PE-2007023886

PROFESSIONAL ENGINEER

11/25/2024

H & B

HOSS & BROWN

ENGINEERS

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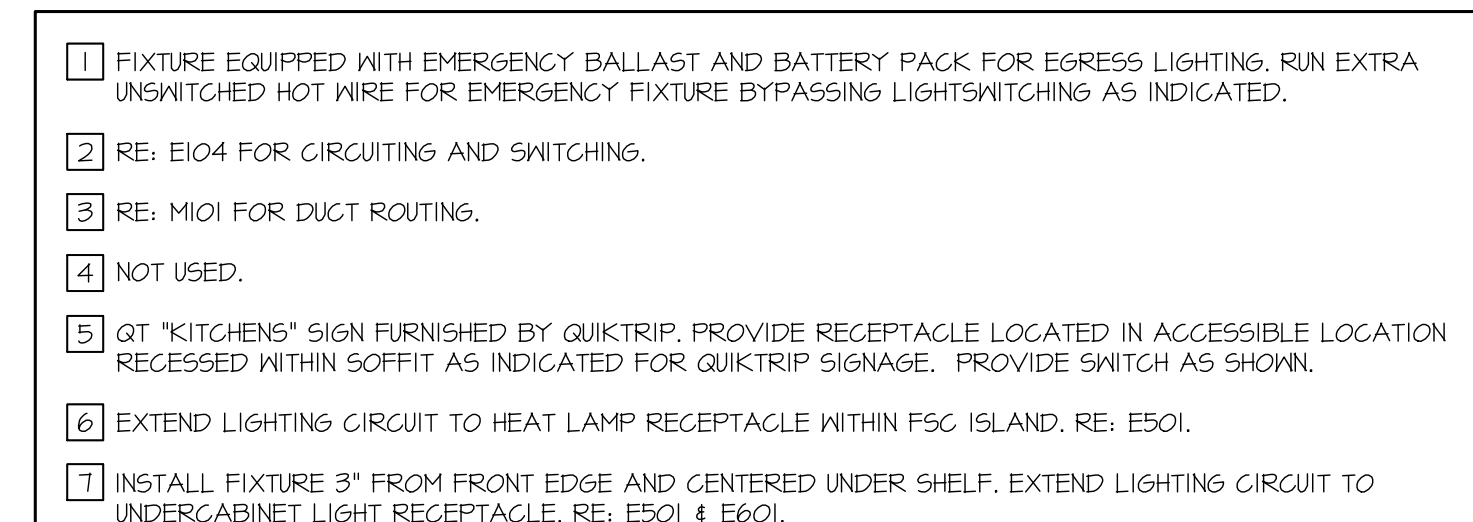
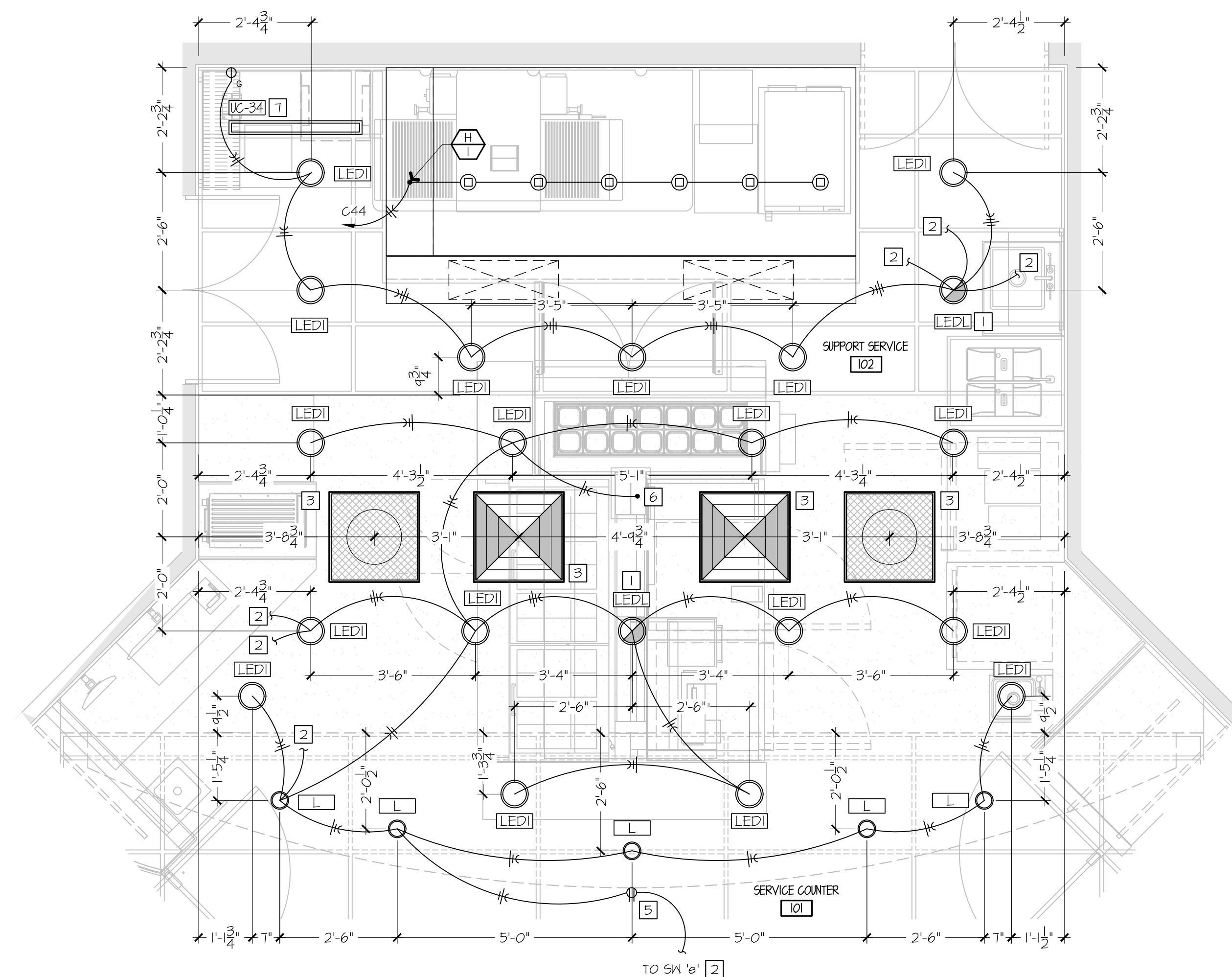
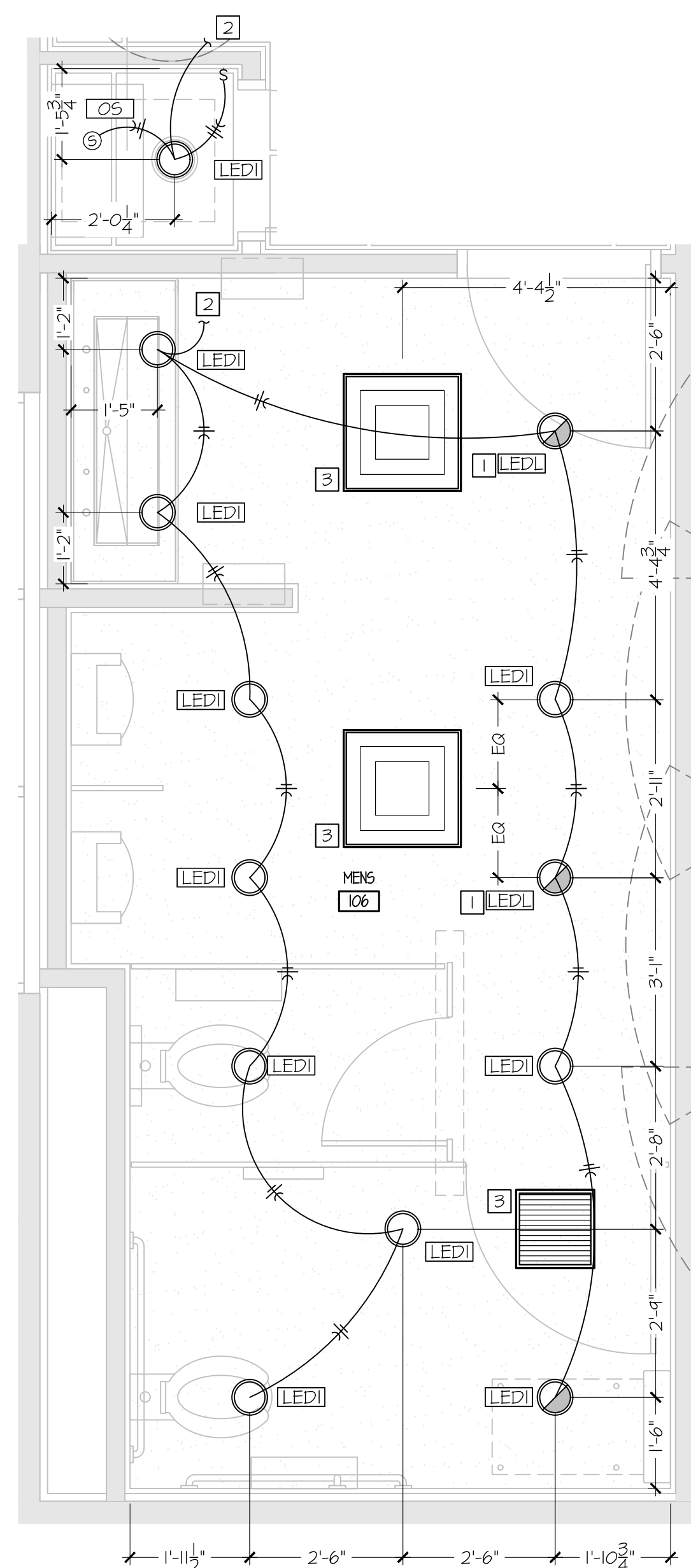
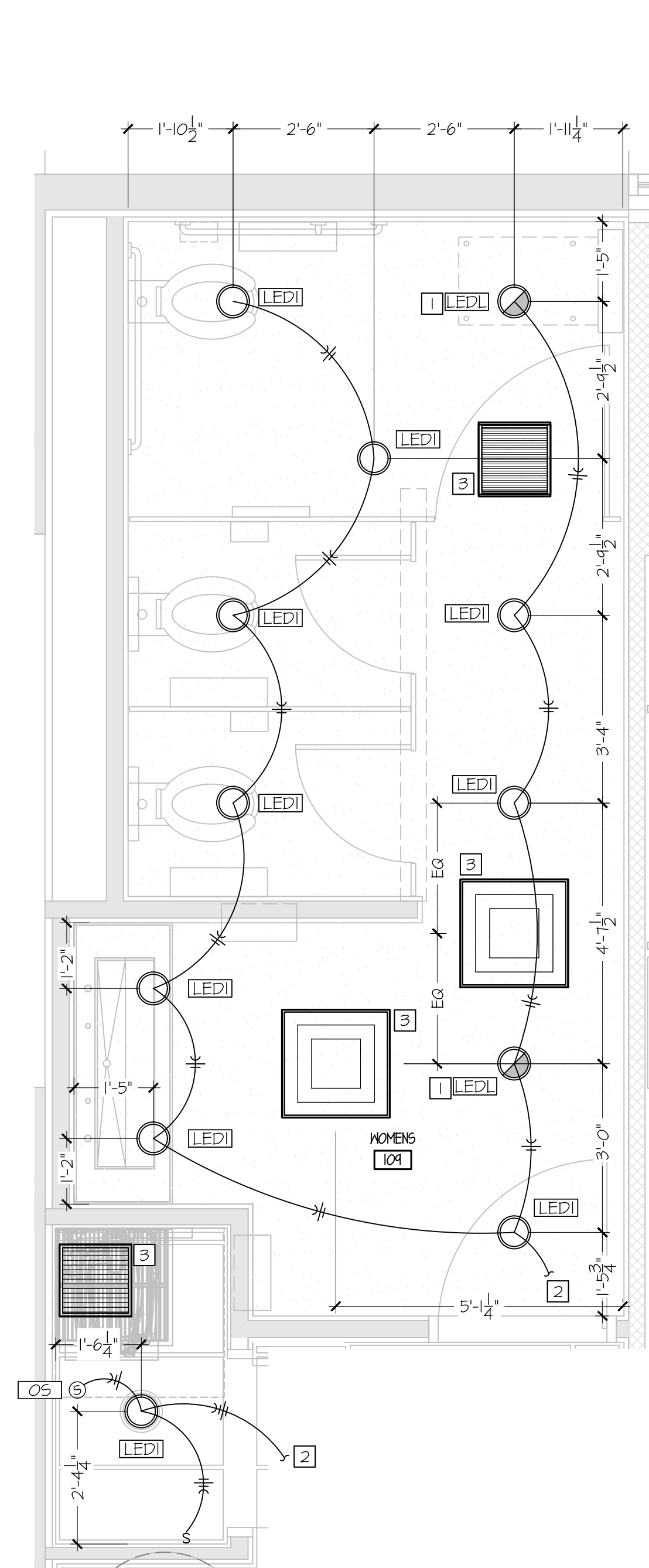
REV	DATE	DESCRIPTION
ORIGINAL ISSUE DATE: 11/25/2024		

SHEET TITLE:

ELECTRICAL
ENLARGED PLANS

SHEET NUMBER:

E508



SIGNATURE DATE: 11/25/2024



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PROTOTYPE	P-120
DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-01-2024

[illegible]

SHEET TITLE:
ELECTRICAL LIGHTING ENLARGED REFLECTED CEILING PLANS

SHEET NUMBER:
E509

FEEDER SCHEDULE	
TAG	WIRE SIZES
(SERVICE)	CJ - (6) SET OF (4) #300 IN 3" G FROM UTILITY TRANSFORMER AL - (6) SET OF (4) #400 IN 3" G FROM UTILITY TRANSFORMER
(T22)	70A - (2) #4, (1) #8G, 1-1/2" G
(E23)	150A - (3) #1/0, (1) #6G, 1-1/2" G
(225A)	225A - (4) #4/0, (1) #4G, 2-1/2" G
(G)	RE: AI-E504 FOR SIZING.
(F4)	FACTORY WIRE CONDUITS 4 CONDUCTORS
(E4)	ELECTRICAL CONTRACTOR PROVIDED 4 INSTALLED

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
P																	
O																	
N																	
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E																	
D																	
C																	
B																	
A	A1	ELECTRICAL EQUIPMENT LIST AND CONNECTION SCHEDULE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

ELECTRICAL EQUIPMENT LIST AND CONNECTION SCHEDULE									
TAG #	DESCRIPTION	MANUFACTURER & MODEL	VOLTAGE / PHASE / WIRE	LOAD AMPS	TYPE OF CONNECTION	WIRE AND CONDUIT	MOUNTING HEIGHT (AFF)	FURNISHED BY	ITEM REMARKS
101	BREWED TEA DISPENSER	BUNN #41400.002	120/1/3W	14.2	NEMA 5-20R	3W12, 1/2" C	18"	GT	NOTE 8
102	FOUNTAIN MACHINE - 8 HEAD	CORNELIUS ED #250-B	120/1/3W	3.5	NEMA 5-20R	3W12, 1/2" C	18"	GT	PROVIDE CORD AND PLUG FOR DISCONNECT IF NOT ALREADY EQUIPPED.
103	FOUNTAIN MACHINE - 12 HEAD	CORNELIUS ED #350-12	120/1/3W	5.2	NEMA 5-20R	3W12, 1/2" C	18"	GT	PROVIDE CORD AND PLUG FOR DISCONNECT IF NOT ALREADY EQUIPPED.
104	CUBED ICE MAKER	HOSHIZAKI KM-H100MRJZ	208/1/3W	12.5	NEMA L6-20R	3W12, 1/2" C	42"	GT	NOTE 8 / REMOTE CONDENSER (EQUIP #106)
105	CRUSHED ICE MAKER	HOSHIZAKI F-2001MRJZ-C	120/208/1/4W	14.9	NEMA L14-30R	4W10, 1/2" C	42"	GT	NOTE 2 / REMOTE CONDENSER (EQUIP #111)
106	FREEZONI MACHINE	FBD #T14	208/1/3W	23.0	NEMA L6-30R	3W10, 1/2" C	*	GT	*NOTE 7, NOTE 4
108	SMOOTHIE MACHINE	BUNN ULTRA-2 PAF	120/1/3W	15.0	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 7
116	LOTTO TICKET READER		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	12"	GT	
117	ATM		120/1/3W	2.0	NEMA 5-20R	3W12, 1/2" C	12"	GT	
120	BEAN TO CUP COFFEE	CURTIS GENESIS	208/1/3W	13.4	NEMA L6-20R	3W12, 1/2" C	*	GT	*NOTE 7
121	WON MONITOR		120/1/3W	2.0	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 7
122	COFFEE HEAT EXCHANGER	CURTIS HBS6T63000	120/208/1/4W	22.7	NEMA L14-30R	4W10, 1/2" C	42"	GT	NOTE 7, NOTE 13
124	COFFEE BAR ICE MACHINE	CORNELIUS IMD 300-15A	120/1/3W	15.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
204	BUN WARMER	STAR #55T-45HC	120/1/3W	4.3	NEMA 5-20R	3W12, 1/2" C	26"	GT	
205	ROLLER GRILLS	NEMCO DIGITAL ROLLERSGRILL	120/1/3W	11.4	NEMA 5-20R	3W12, 1/2" C	26"	GT	
207	MICROWAVE	AMANA HDQ12A	120/1/3W	16.8	NEMA 5-20R	3W12, 1/2" C	26"	GT	
208	CHILI & CHEESE MACHINE	STAR #HDEZ-4	120/1/3W	8.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
213	COLD BAR	AFW HYOTT #RTR-B	120/1/3W	4.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
214	FLOOR ACCESS PANEL	JOSAM #58646-10		-			-	GC	10"x10" ACCESS PANEL WITH SCORIATED COVER.
215	RECESSED FLOOR BOX	HUBBELL #RF406BR	120/1/3W	-	NEMA 5-20R	3W12, 1/2" C	-	GC	
217	5-TIER HOT DISPLAY	RPI NUTTALL FLEXESERVE #FX2NA10555	120/1/3W	28.7	NEMA 6-30P	3W12, 1/2" C	*	GT	*NOTE 5
218	END CAP FLOOR COOLER	OASIS F5E663R	120/1/3W	7.8	NEMA 5-20R	3W12, 1/2" C	18"	GT	
220	GOLD WELL	THERMELL REFRIGERATION 14R0B	120/1/3W	8.4	NEMA 5-15R	3W12, 1/2" C	-	GT	
300	POINT OF SALE	NCR REALPOS XRT PLUS (T103)	120/1/3W	2.2	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
301	INTERCOM MICROPHONE	TMK-41	120/1/3W	2.0	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
304	COMPUTER		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
305	LOTTO MACHINE		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
306	CASH CONTROLLER SAFE		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
307	BILL READER SAFE		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
310	PRINTER/COPIER	LASERJET PRO MFP	120/1/3W	5.0	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 6
311	COUNTERTOP REFRIGERATOR		120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	30"	GT	
313	NOT USED								
314	VIDEO ANALYTICS UPS	TRIPLITE S923000RTXLCDUN	208/1/3W	4.4	NEMA L6-20R	3W12, 1/2" C	SEE PLANS	GT	RE: E503
	VIDEO ANALYTICS SERVER	SUPERMICRO AS-2014C5-TR	-	-	-	-	SEE PLANS	GT	
401	COOLER DOOR	ANTHONY	120/1/3W	6.0	N.F.D.S.	3W12, 1/2" C	TOP OF FRAME	GT	
405	ICE MERCHANDISER	TRUE 60IM-49NT-LD	120/1/3W	10.2	NEMA 5-20R	3W12, 1/2" C	18"	GT	
406	NOVELTY ICE CREAM FREEZER	TRUE 60M-26-HC-TSL01	120/1/3W	5.4	NEMA 5-20R	3W12, 1/2" C	18"	GT	
500	ICE BAGGER	FOLLETT #B91000	208/1/3W	5.0	NEMA 6-15R	3W12, 1/2" C	SEE PLANS	GT	
507	AIR COMPRESSOR	MULTIPLEX APKV3D	120/1/3W	6.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
504	MULTIPLEX	MULTIPLEX #50MR04	208/3/4W	17.0	HARDWIRED	4W12, 1/2" C	84"	GT	PROVIDE 20A CIRCUIT BREAKER IN ENCLOSURE FOR DISCONNECT.
510	WATER HEATER	RUUD E85A-12-G	208/3/4W	34.1	SEE NOTE	3W6, 1W06, 1" C	34"	GT	PROVIDE 50A CIRCUIT BREAKER IN ENCLOSURE FOR DISCONNECT.
511	ELECTRICAL PANELS							GT	RE: PANEL SCHEDULES # E503
512	LOW VOLTAGE CABINET							GT	RE: SHEET E503
513	UPS	TRIPLITE S923000RTXLCD2U	120/1/3W	16.0	NEMA 5-20R	3W12, 1/2" C	108"	GT	RE: SHEET E503
518	WATER SOFTENER	3MUNDO CF5M1254E	120/1/3W	1.0	NEMA 5-20R	3W12, 1/2" C	48"	PC	RE: PLUMBING SHEETS
519	BOOSTER PUMP - OPTIONAL	GOLDS #56V	208/3/5W	15.0	N.F.D.S.	5W12, 1/2" C	60"	GT	NOTE 12 / PROVIDE SQUARE-D DUB21 DISCONNECT SWITCH
	CONTROLLER	AQUAVAR CPC #20121	-	-	-	-	-	GT	INTEGRAL PRESSURE TRANSDUCER.
520	AIR DOOR	BERNER #CLC08-1042AA	120/1/3W	3.4	HARDWIRED	3W12, 1/2" C	46"	GT	PROVIDE MOTOR RATED SWITCH FOR DISCONNECT.
521	REGULATION PUMP	GRUNDFOS #UP-15-18 BUC1	120/1/3W	1.7	HARDWIRED	3W12, 1/2" C	104"	PC	PROVIDE LINE CORD. RE: F503.
526	SECURITY CABINET							GT	
527	CONDENSATE PUMP	LITTLE GIANT VCCA-20XL5 55420101	120/1/3W	1.5	NEMA 5-20R	3W12, 1/2" C	18"	PC	
531	ELECTRIC HEATER	MARKEL #H5316-12-RPH	208/1/3W	14.4	HARDWIRED	3W12, 1/2" C	108"	GT	NOTE 3
534	ICE MAKER FOR BAGGER	HOSHIZAKI KM-1900SRJZ3	208/3/4W	13.5	NEMA L15-20R	4W12, 1/2" C	SEE PLANS	GT	NOTE 8 / REMOTE CONDENSER (EQUIP #107)
546	CO2 VENTILATION FAN	CAPTIVEAIRE DFA-300-CA	120/1/3W	2.5	HARDWIRED	3W12, 1/2" C	SEE PLANS	GT	PROVIDE MOTOR RATED SWITCH FOR DISCONNECT ON ADJACENT STRUCTURE.
547	UPS BYPASS PANEL							GT	
544	CANOPY DRAIN HEAT TRACE	RAYCHEM #KM-1XT	120/1/3W	1.2	HARDWIRED	3W12, 1/2" C	AT ROOF LINE	PC	
550	FREEZER HEAT TRACE	RAYCHEM #FG-H8P	120/1/3W	0.8	NEMA 5-20R	3W12, 1/2" C	46"	PC	PROVIDE WP COVER WITH GFCI.
551	WON GLT/COL CHILLER	MICROMATIC #MPP4302-FK6	120/1/3W	21.0	NEMA L5-30R	3W10, 1/2" C	46"	GT	
552	WON NITROGEN GENERATOR	MICROMATIC 332B8803	120/1/3W	5.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
554	WON AUTOCLEAN		120/1/3W	3.0	NEMA 5-20R	3W12, 1/2" C	18"	GT	
555	WON AIR COMPRESSOR		120/1/3W	16.0	NEMA 5-20R	3W12, 1/2" C	84"	GT	
600	PASTRY CASE	ENCORE CDR5T23	120/1/3W	3.4	NEMA 5-15R	3W12, 1/2" C	-	GT	
601	CUSTOMER ORDER MACHINE	HEWLETT PACKARD #RP1 G1 #1018	120/1/3W	15.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	*NOTE 5
603	BLENDER	VITAMIX #36019	120/1/3W	1.9	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 5
604	UNDERCOUNTER FREEZER	TRUE #TUC-2TF	120/1/3W	3.2	NEMA 5-15R	3W12, 1/2" C	*	GT	*NOTE 5
606	ICE CREAM MACHINE	STOEHLING F131-3B12-GT	208/1/3W	11.0	NEMA 6-20R	3W12, 1/2" C	*	GT	*NOTE 5
610	UNDERCOUNTER REFRIGERATOR	TRUE #TUC-2T	120/1/3W	3.4	NEMA 5-15R	3W12, 1/2" C	18"	GT	
611	DISHWASHER	MOYER DIEBEL #20IHT-M4, 9KN BOOSTER	120/208/1/4W	45.0	NEMA L4-60R	3W4, 1W06, 1" C	18"	GT	PROVIDE CORD AND PLUG FOR DISCONNECT IF NOT ALREADY EQUIPPED.
618	LED SCREEN		120/1/3W	2.0	NEMA 5-20R	3W12, 1/2" C	*	GT	*NOTE 5
621	PIZZA OVEN	OVENTON #54UHTL	208/1/3W	45	HARDWIRED	3W6, 3/4" C	16"	GT	NOTE II
622	60" PIZZA COLD PREP TABLE	TRUE #TS9U-60-16	120/1/3W	7.8	NEMA 5-15R	3W12, 1/2" C	*	GT	*NOTE 5
632	SUB OVEN	ACP #MRX20T	208/1/3W	23.5	NEMA 6-30R	3W10, 1/2" C	*	GT	*NOTE 5
636	HOLDING CABINET	HATCO #CPHC-24	120/1/3W	4.2	HARDWIRED	3W12, 1/2" C	26"	GT	NOTE II
638	12" SUB COLD PREP TABLE	TRUE #TFP-12-30M-D-2	120/1/3W	5.1	NEMA 5-20R	3W12, 1/2" C	*	GT	*IN UNDERSIDE OF UTILITY CHASE AT FSC ISLAND
639	K15 SCREEN		120/1/3W	1.0	NEMA 5-20R	3W12, 1/2" C	26"	GT	
640	PRINTER		120/1/3W	1.0	NEMA 5-20R	3W12, 1/2" C	SEE PLANS	GT	
646	HEAT LAMP	HATCO UGAHL-18	120/1/3W	5.4	HARDWIRED	3W12, 1/2" C	*	GT	*NOTE 5, NOTE II
647	STEAM DRAWERS	ANTUNES INFINITEM	120/1/3W	41.0	HARDWIRED	3W6, 3/4" C	*	GT	*NOTE 5, NOTE II
648	COMBI OVEN	CONOTHERM EASYTOUCH	208/3/4W	17.4	HARDWIRED	4W10, 1/2" C	*	GT	*NOTE 5, NOTE II
800	POWER WASHER	SFRAT MASTER 300-5138 PC 5.0 CB	208/1/3W	16.1	NEMA L6-30R	3W10, 1/2" C	56"	GT	NOTE I
801	NOT USED								
810	IRRIGATION BOOSTER PUMP - OPTIONAL	INCONTROL P22-GF5	208/120/3/5W	16.7	HARDWIRED	4W4, 1W06, 1/4" C	4"	GT	NOTE 4
902	CANDY CANE ROOF PENETRATION	ROOF PENETRATION						GC	PER ARCHITECTURAL PLANS
903	ROOF TOP UNIT	AAON RN-SERIES	208/3/4W	VARIES	N.F.D.S.	VARIES		GT	RE: MECHANICAL SHEETS
906	CUBED ICE MAKER CONDENSER UNIT	HOSHIZAKI URG-14FZ	120/1/3W	3.0	N.F.D.S.	3W12, 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #104.
907	ICE MAKER CONDENSER UNIT	HOSHIZAKI URG-22FZ	120/1/3W	3.0	N.F.D.S.	3W12, 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #534.
908	WALK-IN FREEZER EVAPORATOR	RUSSELL RL660T102AL	208/3/3W	1.0	HARDWIRED	3W12, 1/2" C		GT	
909	TAKE HOME COOLER EVAPORATOR	RUSSELL RL6A48ADAL	120/1/3W	3.2	HARDWIRED	3W12, 1/2" C		GT	PROVIDE KEYPED SWITCH AS DISCONNECT. RE: E103.
910	SINGLES COOLER EVAPORATOR	RUSSELL RL6A41ADAL	120/1/3W	2.4	HARDWIRED	3W12, 1/2" C		GT	PROVIDE KEYPED SWITCH AS DISCONNECT. RE: E103.
911	CRUSHED ICE MAKER CONDENSER UNIT	HOSHIZAKI URG-22FZ	120/1/3W	3.0	N.F.D.S.	3W12, 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #105.
912B	TAKE HOME COOLER CONDENSING UNIT (110 DEG)	RUSSELL RF06004E5B	208/3/4W	30.4	60A FUSED D.S.	3W6, 1W06, 3/4" C		GT	
913	EF-1 EXHAUST FAN	CAPTIVEAIRE DR33HFA	120/1/3W	4.3	FACTORY	3W12, 1/2" C		GT	RE: MECHANICAL SHEETS
914	H-I EXHAUST HOOD	CAPTIVEAIRE 4824ND-2-PSP-F						GT	
915	EF-3 EXHAUST FAN	CAPTIVEAIRE DUF1FA	208/1/3W	9.8	FACTORY	3W12, 1/2" C		GT	RE: MECHANICAL SHEETS
916	TF-1 TRANSFER FAN	CAPTIVEAIRE CFA 500CA	120/1/3W	2.2	NEMA 5-20R	3W12, 1/2" C		GT	RE: MECHANICAL SHEETS
917	NOT USED								
918	WALK-IN FREEZER CONDENSING UNIT	RUSSELL RF0250L45EB	208/3/4W	26.0	N.F.D.S.	4W10, 1/2" C		GT	
922B	SINGLES COOLER CONDENSING UNIT (110 DEG)	RUSSELL RF06004E5B	208/3/4W	30.4	60A FUSED D.S.	3W6, 1W06, 3/4" C		GT	
923	MULTIPLEX CONDENSING UNIT	MULTIPLEX TS-0845	208/1/3W	1.3	N.F.D.S.	3W12, 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #504.
927	END CAP FLOOR COOLER CONDENSING UNIT	KEEPRITE KEZAC95SL8-HT3D	208/3/4W	13.8	N.F.D.S.	4W10, 1/2" C		GT	
NOTES:									
1)	PROVIDE GFCI AT BREAKER. CONTRACTOR TO PROVIDE A WATER TIGHT CORD AND PLUGS. (HBL26205W & HBL26215W)								
2)	CONTRACTOR SHALL BE RATED FOR "NET LOCATION." RE: PLUMBING DRAWINGS FOR ELEVATIONS.								
3)	CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#10 AWG, TYPE "SO") AND PLUGS.								
4)	FURNISHED WITH FACTORY MOUNTED DISCONNECT, THERMOSTAT, AND SURFACE-MOUNTING ADAPTER KIT.								
5)	COORDINATE WITH OT REPRESENTATIVE TO DETERMINE IF IRRIGATION BOOSTER PUMP IS REQUIRED.								
6)	RE: FSC ELEVATIONS FOR MOUNTING HEIGHT.								
7)	STACK WITHIN UTILITY CHASE IN MILLWORK. COORDINATE WITH OT MILLWORK DRAININGS.								
8)	RE: ELEVATIONS ON SHEET E505.								
9)	CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#12 AWG, TYPE "SO") AND PLUGS.								
10)	CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#8 AWG, TYPE "SO") AND PLUGS.								
11)	CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (48" LONG, #6 AWG, TYPE "SO") AND PLUGS.								
12)	DISCONNECT PER LOCKABLE CIRCUIT BREAKER.								
13)	RE: P102 WATER SERVICE BOX NOTE TO DETERMINE IF A BOOSTER PUMP IS REQUIRED.								
14)	CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (48" LONG, #10/4 AWG, TYPE "SO") AND PLUGS.								
GENERAL NOTES (APPLY TO ALL THE ABOVE):									
A)	ALL ELECTRICAL DEVICES ARE PROVIDED BY EC. ROUGH-IN MOUNTING HEIGHTS ARE CENTER OF BOX UNLESS NOTED OTHERWISE AND SHALL BE VERIFIED WITH THE EQUIPMENT MANUALS PRIOR TO COMMENCING WORK.								
B)	LABEL ALL RECEPTACLES WITH THE NAME OF THE EQUIPMENT THEY SERVE AND CIRCUIT NUMBERS.								
C)	RECEPTACLES OR DISCONNECT SWITCHES LOCATED PER PLAN, MOUNT TO WALL OR TO BACK OF WEDGE CAVITY OR CASEWORK AS APPLICABLE.								
D)	FURNISHED BY: GT-EQUIPTRIIP, PC-PLUMBING CONTRACTOR, MC-MECHANICAL CONTRACTOR, EC-ELECTRICAL CONTRACTOR.								

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MAIN DISTRIBUTION PANEL: T

SYSTEM:		208/120V, 3PH, 4W		LOCATION:		OUTSIDE ON BLDG.		CABINET MOUNTING:		SURFACE				
FEEDER:		SEE RISER DIAGRAM		MAINS:		1600A M.L.O.		LUGS:		TOP				
OPTIONS:		KEYED INTERLOCK		AIC RATING:		65,000		NEMA ENCLOSURE:		3R				
CODE	NOTE	LOAD DESCRIPTION SPACE	BKR SIZE	BKR POLE	WATTS	CK NO.	PHASE	CK NO.	WATTS	BKR POLE	BKR SIZE	LOAD DESCRIPTION	NOTE	CODE
						15	A	16	3,122	3	30	WALK-IN FREEZER CONDENSING UNIT (#18)		
						-	B	-	3,122					K
						-	C	-	3,122					K
K	4	TAKE HOME COOLER CONDENSING UNIT (#12B)	45	3	3,711	13	A	14		3	20	TV55	1	
K						3,711	-	B	-					K
K						3,711	-	C	-					K
		PANEL DD	225	3	20,963	11	A	12	3,711	3	45	SINGLES COOLER CONDENSING UNIT (#22B)	4	K
						19,154	-	B	-	3,711				K
						18,814	-	C	-	3,711				K
		PANEL BB	225	3	19,131	9	A	10	13,806	3	150	RTU-1		MH
						20,701	-	B	-	13,806				MH
						19,410	-	C	-	13,806				MH
		PANEL B	225	3	5,987	1	A	8	13,806	3	150	RTU-2		MH
						6,683	-	B	-	13,806				MH
						1,064	-	C	-	13,806				MH
		PANEL C	225	3	19,913	5	A	6	13,806	3	150	RTU-3		MH
						17,481	-	B	-	13,806				MH
						15,121	-	C	-	13,806				MH
		PANEL EE	225	3	2,586	3	A	4	4,123	3	225	PANEL G		MH
						3,114	-	B	-	4,123				MH
						3,617	-	C	-	13,575				MH
3		PANEL D	225	3	30,182	1	A	2		3	600	EMERGENCY POWER MAIN (WITH KEYED INTERLOCK)	2	
						24,974	-	B	-					
						27,674	-	C	-					
						-	A	-						
						-	B	-						
						-	C	-						
23		MAIN (WITH KEYED INTERLOCK)	1600	3										
						-	A	-						
						-	B	-						
						-	C	-						
CONNECTED WATTS														
DEMAND WATTS / AMPS														
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GENERAL NOTES FOR PANELBOARDS

ALL ELECTRICAL PANELS AND GENERATOR TERMINAL CONNECTIONS ARE BE OWNER-FURNISHED / CONTRACTOR-INSTALLED UNLESS OTHERWISE NOTED. COORDINATE WITH GT REPRESENTATIVE.

EMERGENCY FUEL CUTOFF

ALL FUEL DISPENSING MUST HAVE EMERGENCY POWER CUTOFF PER NEC 514.11. RE: FUEL DRAWINGS FOR EMERGENCY FUEL SHUTDOWN DIAGRAM AND EMERGENCY SWITCH LOCATIONS. RE: FUEL DRAWINGS FOR ALL CIRCUITS REQUIRED FOR FUEL INSTALLATION. COORDINATE WITH GT REPRESENTATIVE.

SUB PANEL: GG

SYSTEM:		120V, 1PH, 3W		LOCATION:		CORRIDOR		CABINET MOUNTING:		SURFACE				
FEEDER:		SEE RISER DIAGRAM		MAINS:		125A M.L.O.		LUGS:		TOP				
OPTIONS:				AIC RATING:		65K FULLY RATED		NEMA ENCLOSURE:		1				
CODE	NOTE	LOAD DESCRIPTION	BKR SIZE	BKR POLE	WATTS	CK NO.	PHASE	CK NO.	WATTS	BKR POLE	BKR SIZE	LOAD DESCRIPTION	NOTE	CODE
		SPACE	20	1		1	C	2		1	20	TVSS	1	
		SPACE	20	1		3	C	4		1	20	SPACE		
F	1	FUELING CONTROLS	15	1	50	5	C	6	200	1	20	MPD #1/2	4	F
G	12	INTERCOM / WARREN ROGERS	20	1	360	7	C	8	200	1	20	MPD #3/4	4	F
		TANK MONITOR	20	1	1080	9	C	10	200	1	20	MPD #5/6	4	F
		UPS-A POWER	20	1	1480	11	C	12	200	1	20	MPD #7/8	4	F
G		UPS-A BYPASS	20	1		13	C	14	200	1	20	MPD #9/10	4	F
		SPACE	20	1		15	C	16	200	1	20	MPD #11/2	4	F
						17	C	18	200	1	20	MPD #13/4	4	F
		SPACE	20	1		19	C	20	200	1	20	MPD #15/6	4	F
		SPACE	20	1		21	C	22		1	20	SPACE		
		SPACE	20	1		23	C	24		1	20	SPACE		
		SPACE	20	1		25	C	26		1	20	SPACE		
		SPACE	20	1		27	C	28		1	20	SPACE		
		SPACE	20	1		29	C	30		1	20	SPACE		
		SPACE	20	1		31	C	32		1	20	SPACE		
		SPACE	20	1		33	C	34		1	20	SPACE		
		SPACE	20	1		35	C	36		1	20	SPACE		
		SPACE	20	1		37	C	38		1	20	SPACE		
		SPACE	20	1		39	C	40		1	20	SPACE		
G	1	TVSS STATUS LIGHTS	15	1		41	C	42		1	20	SPACE		
CONNECTED WATTS			DEMAND WATTS / AMPS			LOAD			CONNECTED			NEG FEEDER LOAD		
PH C: 4,570			4,570 38						4570 WATTS			4570 WATTS		
									38 AMPS			38 AMPS		
NOTES:														
*FURNISHED WITH PANEL COVER WITH LOCKING DOOR														
*FUEL PANEL, RE: FUEL DRAWINGS FOR POWER TO EQUIPMENT														
*FUEL COMPONENTS ROUTED THROUGH EMERGENCY SHUT DOWN CONTROLS.														
1 EQUIPMENT PRE-INSTALLED WITHIN PANEL SYSTEM.														
2 CIRCUIT BREAKER FURNISHED WITH LOCK ATTACHMENT.														
3 CIRCUIT BREAKER FURNISHED WITH HANDLE LOCK-OFF.														

SUB PANEL: G

SYSTEM:		208/120V, 3PH, 4W		LOCATION:		CORRIDOR		CABINET MOUNTING:		SURFACE				
FEEDER:		SEE RISER DIAGRAM		MAINS:		225A M.L.O.		LUGS:		TOP				
OPTIONS:				AIC RATING:		65K/10K SERIES RATED		NEMA ENCLOSURE:		1				
CODE	NOTE	LOAD DESCRIPTION	BKR SIZE	BKR POLE	WATTS	CK NO.	PHASE	CK NO.	WATTS	BKR POLE	BKR SIZE	LOAD DESCRIPTION	NOTE	CODE
F		EO FUEL PUMP 4HP	20	3	1B01	1	A	2	1B01	3	20	REGULAR #1 FUEL PUMP 4HP	F	F
F					1B01	3	B	4	1B01				F	F
F					1B01	5	C	6	1B01				F	F
F		PREMIUM FUEL PUMP 4HP	20	3	1B01	7	A	8	1B01	3	20	REGULAR #2 FUEL PUMP 4HP	F	F
F					1B01	9	B	10	1B01				F	F
F					1B01	11	C	12	1B01					
F		AUTO DIESEL FUEL PUMP 4HP	20	3	1B01	13	A	14	0	3	20	RESERVED SPACE		
F					1B01	15	B	16	0					
F					1B01	17	C	18	0					
		SPARE	20	3		19	A	20	0	3	20	RESERVED SPACE		
						21	B	22	0					
						23	C	24	0					
		SPARE	20	1		25	A	26	0	3	20	RESERVED SPACE		
		SPARE	20	1		27	B	28	0					
		SPARE	20	1		29	C	30	0					
		SPARE	20	1		31	A	32	0	3	20	RESERVED SPACE		
		SPARE	20	1		33	B	34	0					
		SPARE	20	1		35	C	36	0					
		SPARE	20	1		37	A	38	0	3	20	RESERVED SPACE		
		SPARE	20	1		39	B	40	0					
		SPARE	20	1		41	C	42	0					
		SPARE	20	1		43	A	44	0	3	20	RESERVED SPACE		
		SPARE	20	1		45	B	46	0					
		SPARE	20	1		47	C	48	0					
I		TVSS	20	3		49	A	50	716	2	15	CANOPY .75 HP SUMP VENTILATION FAN PANEL GG		L
						51	B	52	716					L
						53	C	54	4570	1	10			
CONNECTED WATTS		DEMAND WATTS / AMPS		LOAD		CONNECTED		NEG FEEDER LOAD						
PH A: 9,123		9,103		83		33021 WATTS		42 AMPS						
PH B: 9,123		9,103		83										
PH C: 13,575		13,575		113										
NOTES:														
*FURNISHED WITH PANEL COVER WITH LOCKING DOOR														
*FUEL PANEL, RE: FUEL DRAWINGS FOR POWER TO EQUIPMENT														
*FUEL COMPONENTS ROUTED THROUGH EMERGENCY SHUT DOWN CONTROLS.														
1 EQUIPMENT PRE-INSTALLED WITHIN PANEL SYSTEM.														

SUB PANEL: BB

SYSTEM:		208/120V, 3PH, 4W		LOCATION:		EXTERIOR		CABINET MOUNTING:		SURFACE				
FEEDER:		SEE RISER DIAGRAM		MAINS:		225A M.L.O.		LUGS:		BOTTOM				
OPTIONS:				AIC RATING:		65K/10K SERIES RATED		NEMA ENCLOSURE:		1				
CODE	NOTE	LOAD DESCRIPTION	BKR SIZE	BKR POLE	WATTS	CK NO.	PHASE	CK NO.	WATTS	BKR POLE	BKR SIZE	LOAD DESCRIPTION	NOTE	CODE
		SPACE	20	1		1	A	2	1B01	3	20	BOOSTER PUMP (54)		G
K	2	10W AIR COMPRESSOR (555)	20	1	1,800	3	B	4	1,201			(OPTIONAL REC. PLUMBING)		G
K		EXHAUST FAN 1 - TOILETS (913)	20	1	756	5	C	6	1,201					G
K		END CAP FLOOR COOLER	25	3	1,657	7	A	8				SPACE		
K		CONDENSING UNIT-1 (927)			1,657	9	B	10						
K					1,657	11	C	12	600	1	20			
K		END CAP FLOOR COOLER	25	3	1,657	13	A	4	4,100	3	30	NITROGEN GENERATOR (552)	2	K
K		CONDENSING UNIT-2 (927)			1,657	15	B	16	4,100			WATER HEATER (510)		K
K					1,657	17	C	18	4,100					K
K	2	10W GLYCOL CHILLER (551)	30	1	2,520	19	A	20	1,448	2	15	ELECTRIC UNIT HEATER (531)		H
G		UPS-VA POWER	20	2	460	21	B	22	1,400					
G					460	23	C	24	1,800	1	20	COFFEE BAR ICE MACHINE (124)	2	K
G	2	POWER WASHER (800)	20	2	1,137	25	A	26	720	1	20	ROOFTOP RCPIS		R
K					1,137	27	B	28	1,584	1	20	BACK BLDG DOWN LIGHTING (2)	3	L
K		MULTIPLEX (504)	20	3	2,042	29	C	30	1,584	1	20	FRONT BLDG DOWN LIGHTING (2)	3	L
K					2,042	31	A	32	1	20		SPACE		
K					2,042	33	B	34	360	1	20			
G		AIR COMPRESSOR (507)	20	1	720	35	C	36	288	1	20	10W AUTOCLEAN (554)	2	K
G	I	TVSS	20	3		37	A	38	2,005	3	30	CO2 VENT FAN		G
						39	B	40	2,005			IRRIGATION BOOSTER PUMP (810)		G
						41	C	42	2,005			(OPTIONAL)		G
CONNECTED WATTS			DEMAND WATTS / AMPS			LOAD CONNECTED			NEC FEEDER LOAD					
PH A 18,737			15,545			15901 WATTS			48483 WATTS					
PH B 20,701			17,031			166 AMPS			135 AMPS					
PH C 19,470			15,906											
NOTES: *FURNISHED WITH PANEL COVER WITH LOCKING DOOR														
1 EQUIPMENT PRE-INSTALLED WITH PANEL SYSTEM.														
2 CIRCUIT BREAKER FURNISHED WITH GFCI.														
3 ROUTE CIRCUIT THROUGH OUTSIDE LIGHTING CONTROL SYSTEM - STAGE NUMBER INDICATOR IN PARENTHESES.														

UPS-V A : LOAD SUMMARY		
SYSTEM:	200W, 1PH	LOCATION: WORKROOM 2
FEEDER:	(1) 3M2 IN 1/2"	CABINET MOUNTING: IT RACK
NOMINAL CAPACITY:	3000 VA	
AVAILABLE CAPACITY:	2700 W	

TERMINAL	DESCRIPTION	LOAD	LOCATION
1	VIA SERVER	920 W	IT RACK
CONNECTED WATTAGE:		920 W	

