

Legend		Quantity	Unit
	Audible Smoke Alarm W/ Battery	8	Count
	Conduits	345.24	ft
	Disconnect Switch	8	Count
	Duplex GF Protected Receptacle (2) DC USB Charging Ports	12	Count
	Duplex Protected Receptacle (2) DC USB Charging Ports	4	Count
	Duplex Receptacle	53	Count
	Fire Alarm Horn/Speaker W/ Visual Device	8	Count
	GFCI Duplex Receptacle	28	Count
	J - Junction Box	8	Count
	L-202 - one Light (1) 13W GU24 Bulb	12	Count
	L-203 - One Light (1) 15W LED Lamp	20	Count
	L-204 - Two Light (2) 13W GU24 Lamp	12	Count
	L-205A - 3 Light Vanity Fixture	7	Count
	L-206 - One Light	4	Count
	Light Fixture	3	Count
	Panel Board	4	Count
	Single Pole Single Throw Switch	51	Count
	Special Purpose Receptacle	8	Count
	Split Wired Duplex Receptacle	8	Count
	Three Way Switch	7	Count

KEY NOTES:

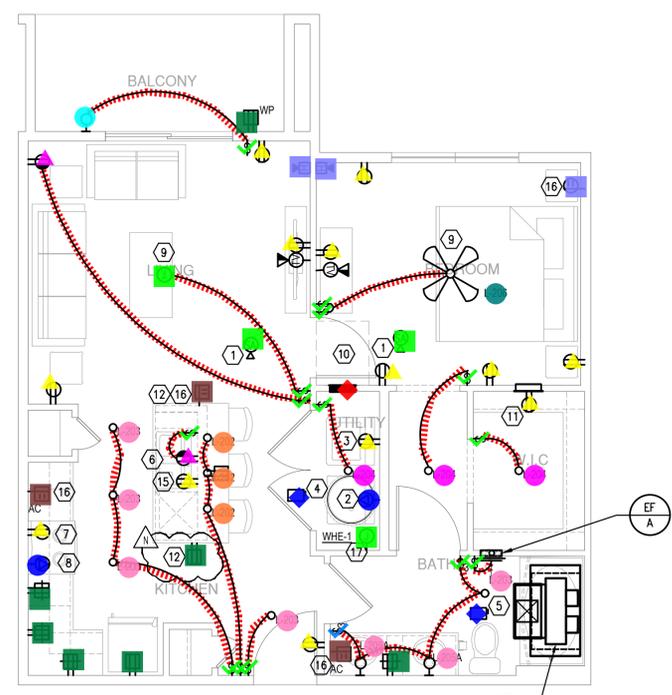
- SMOKE ALARMS SHALL BE 120V WITH BATTERY BACK UP. SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 3#10, #10G. FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A 30-AMP, 2-POLE NEMA 1 DISCONNECT AND CIRCUIT OF 2#10, #10G FOR WATER HEATER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- PROVIDE U.L. LISTED NEMA DISCONNECT TO AHU IF REQUIRED. VERIFY DISCONNECT REQUIREMENTS WITH OWNER'S AHU EQUIPMENT SELECTION BEFORE INSTALLATION. IF THE OWNER'S AHU SELECTION DOES NOT HAVE AN INTEGRAL DISCONNECT PROVIDE A SEPARATE DISCONNECT AS REQUIRED. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL FURNISH AND INSTALL SWITCH AND SINGLE RECEPTACLE FOR DISPOSAL. FOR HANDICAP UNITS, DISPOSAL SHALL BE HARDWIRED AND SWITCH SHALL BE MOUNTED WITHIN CABINET BELOW.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINETS FOR CONNECTION TO MICROWAVE/HOOD COMBINATION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#8, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- PROVIDE CEILING FAN RATED JUNCTION BOX.
- CONTRACTOR SHALL INSTALL LOAD CENTER PANEL FLUSH MOUNTED. INSTALLATION SHALL MAINTAIN FIRE RATING OF WALL, WHERE APPLICABLE.
- PROVIDE RECEPTACLE FOR TELECOMMUNICATIONS STRUCTURED MEDIA CENTER PANEL (MP). COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TELECOM DRAWINGS BEFORE INSTALLATION.
- PROVIDE PENINSULA/ISLAND RECEPTACLE MAX. 12" BELOW TOP OF COUNTER. IF WHERE COUNTER BACKSPLASH DOES NOT AFFORD HORIZONTAL MOUNTING OF RECEPTACLE. LOCATE RECEPTACLE SO THAT IT IS NO MORE THAN 6" FROM THE EDGE OF THE PENINSULA/ISLAND OVERHANG.
- TELEPHONE/DATA AND CATV OUTLETS SHALL HOMERUN TO STRUCTURED MEDIA CENTER.
- PROVIDE COMBINATION SMOKE/CO ALARM. COMBINATION SMOKE/CO ALARM SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR IN CIRCUIT.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G FOR DISHWASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- PROVIDE DUAL USB OUTLET (GFI IN KITCHENS/BATHROOMS). VERIFY TYPE AND MANUFACTURER WITH OWNER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL FURNISH AND INSTALL A JUNCTION BOX WITH ASSOCIATED CABLING FOR WATER SUB-METERING SYSTEM. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
- COORDINATE LOCATION OF WASHER AND DRYER RECEPTACLE WITH PLUMBING AND HVAC TO AVOID CONFLICTS. PROVIDE A MOCK UP OF EACH CONDITION PRIOR TO ROUGHING IN THE ENTIRE PROJECT.

UPDATED LIGHTING LAYOUT PER LATEST UNIT ID RCP.

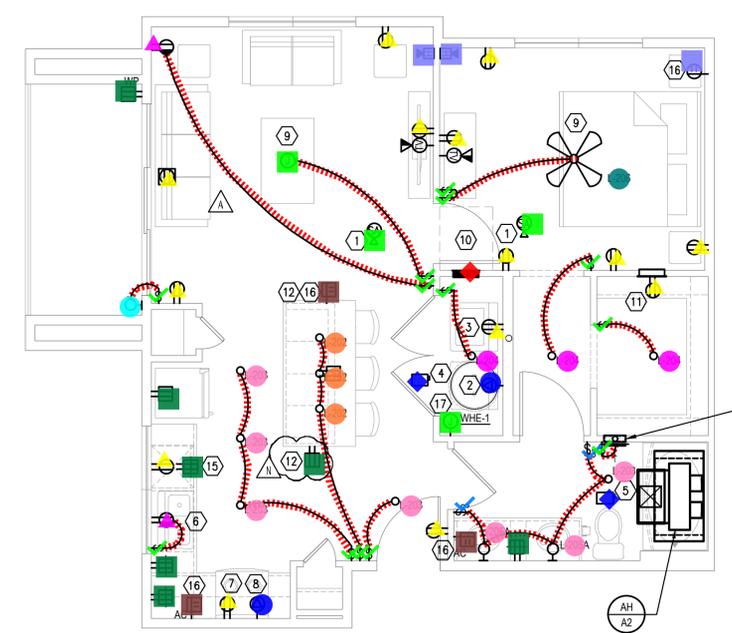


GEN

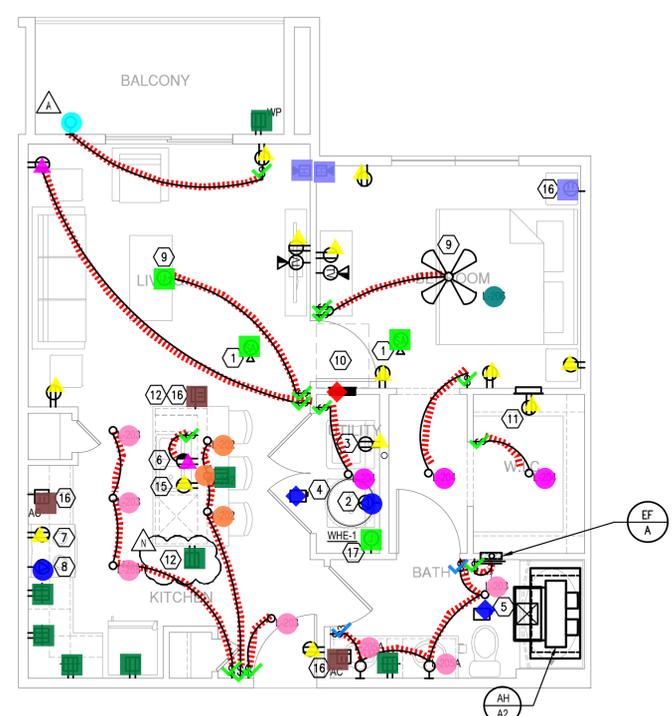
- COORDINATE EXACTING LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
- SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI- AND/OR GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.
- FOR EACH DWELLING UNIT LOCATED AT GRADE-LEVEL OR ON A FLOOR ACCESSIBLE BY ELEVATOR:
 - LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER THAN 48" AFF.
 - FOR ALL DESIGNATED "ANSI TYPE A" UNITS, A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOOD/LIGHT CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.
- UNLESS DIRECTED OTHERWISE, DESIGNATED "ANSI TYPE A" UNITS SHALL HAVE COMMUNICATION FEATURES FOR SENSOARY-IMPAIRED (HEARING OR VISION):
 - FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 7005-05), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE. LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR, TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING ROOM.
 - EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
- ELEC/ENVIRONMENTAL CONTROLS REQUIREMENTS FOR ANSI AND FAIR HOUSING:
 - A. LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS: ITEMS MUST BE POSITIONED SO THAT CONTROLS SHALL BE LOCATED NOT HIGHER THAN 46" A.F.F. (TO HIGHEST OPERABLE POSITION).
 - B. ELECTRICAL OUTLETS SHALL BE MOUNTED SO THAT THE MINIMUM HEIGHT IS 15" TO LOWEST OUTLET.
 - C. CONTROLS AND/OR OUTLETS SHALL BE MOUNTED NOT HIGHER THAN 46" MAX WHEN WIDTH OF THE COUNTERTOPS ARE 20" MIN. AND 25" MAX.
 - D. SIDE UNOBSTRUCTED APPROACHES ARE MIN. 15" TO MAX. 48" AFF. PER ANSI'S '98, '03, & '09.
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ALL HVAC INFORMATION.
- EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- ALL CEILING JUNCTION BOXES SUPPORTING LIGHT FIXTURES THAT ARE MORE THAN 24" FROM A WALL DOOR, OR CABINET, MUST UTILIZE A CEILING FAN RATED JUNCTION BOX PER NEC 314.27 (C).
- ON ANSI UNITS, PROVIDE A DEDICATED GFCI CIRCUIT FOR THE MICROWAVE.



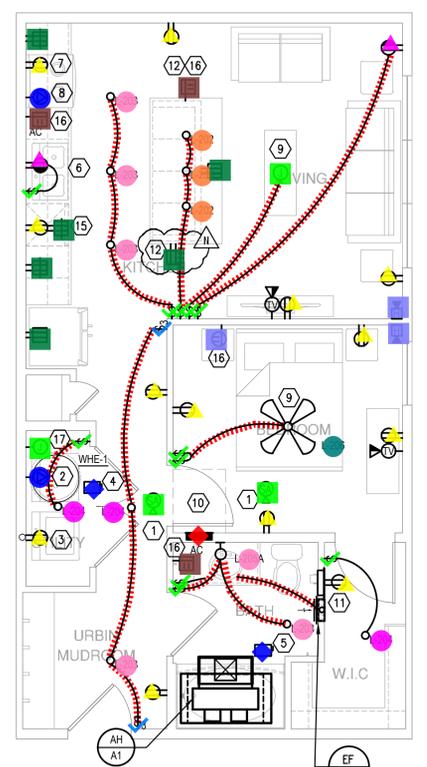
4 UNIT A2-ALT2
SCALE: 1/4" = 1'-0"



2 UNIT A2
SCALE: 1/4" = 1'-0"
SIM: A2 ALT-4 & A2 ALT-5



3 UNIT A2-ALT1
SCALE: 1/4" = 1'-0"



1 UNIT A1
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

SHEET NUMBER

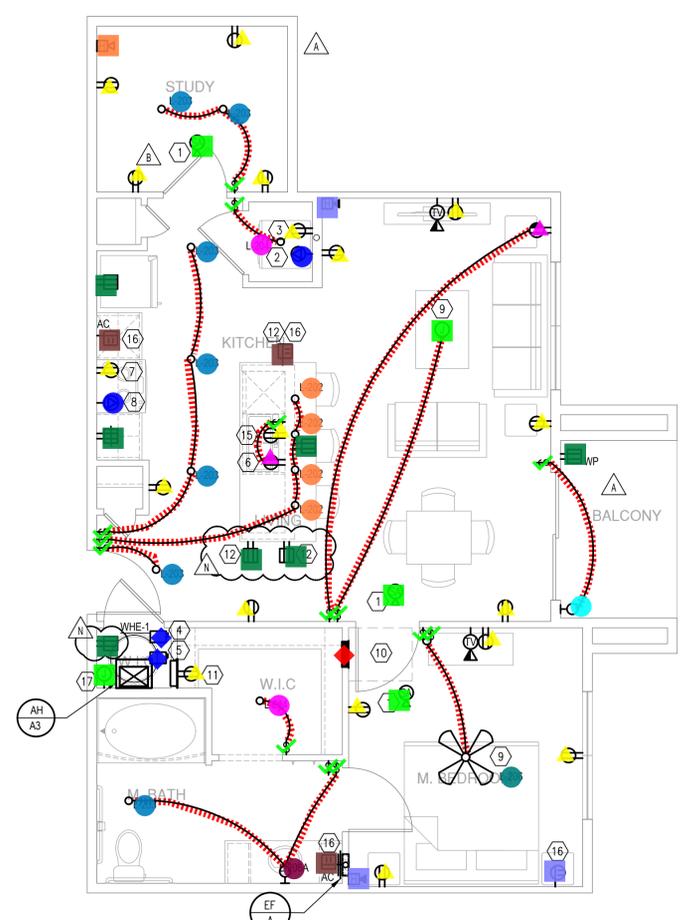
E3.01

ISSUED FOR CONSTRUCTION

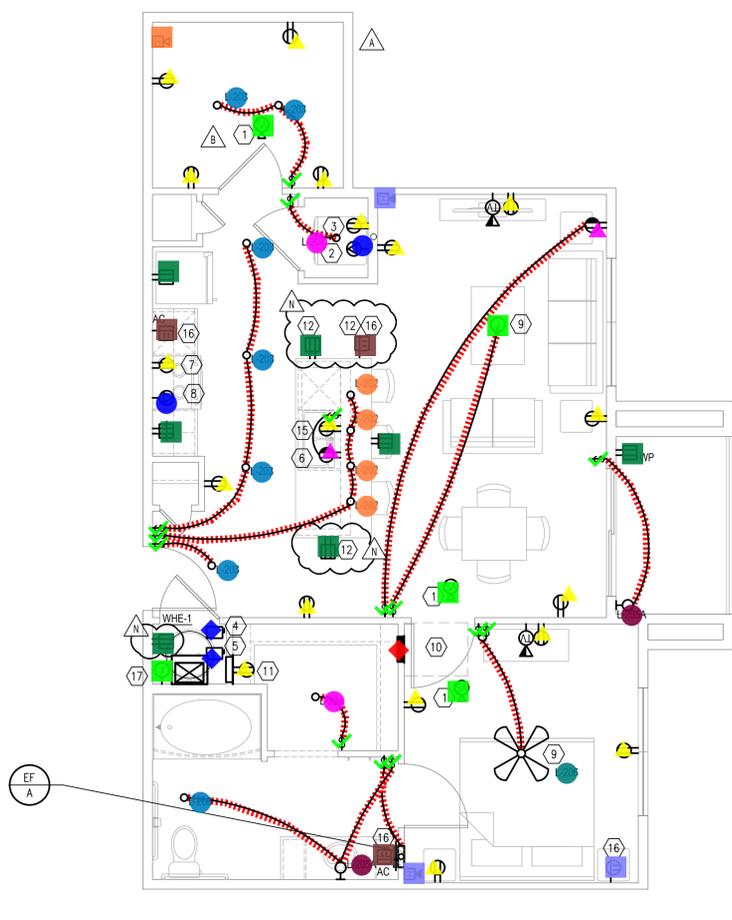
Legend		
Description	Quantity	Unit
Audible Smoke Alarm W/ Battery	10	Count
Conduits	421.04	ft
Disconnect Switch	8	Count
Duplex GF Protected Receptacle (2) DC USB Charging Ports	12	Count
Duplex Protected Receptacle (2) DC USB Charging Ports	4	Count
Duplex Receptacle	66	Count
Fire Alarm Horn/Speaker	2	Count
Fire Alarm Horn/Speaker W/ Visual Device	8	Count
GFCI Duplex Receptacle	28	Count
J - Junction Box	8	Count
L-202 - one Light (1) 13W GU24 Bulb	16	Count
L-203 - One Light (1) 15W LED Lamp	24	Count
L-204 - Two Light (2) 13W GU24 Lamp	8	Count
L-205A - 3 Light Vanity Fixture	7	Count
L-206 - One Light	4	Count
Light Fixture	3	Count
Panel Board	4	Count
Single Pole Single Throw Switch	52	Count
Special Purpose Receptacle	8	Count
Split Wired Duplex Receptacle	8	Count
Three Way Switch	4	Count

GENERAL NOTES:
G-1 REFER TO NOTES AS SHOWN

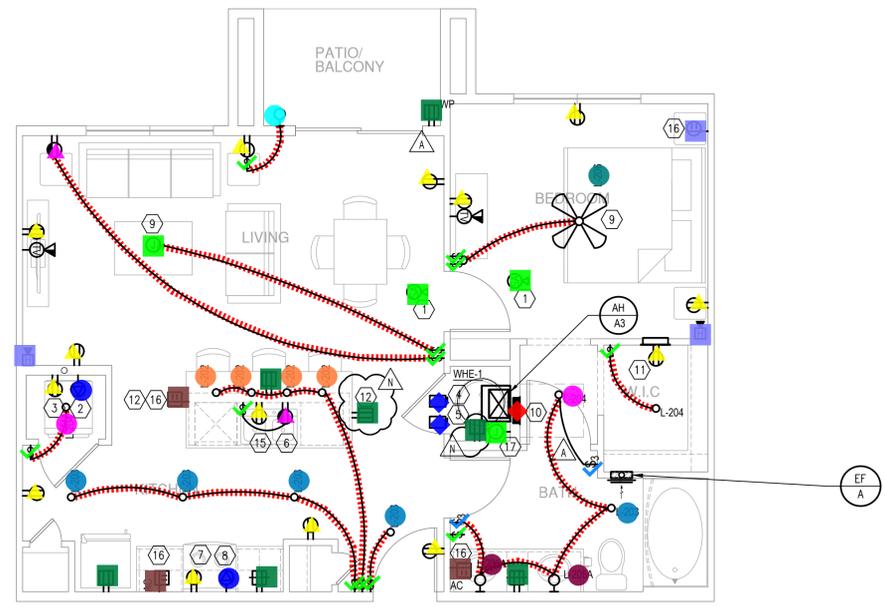
UPDATED LATEST UNIT



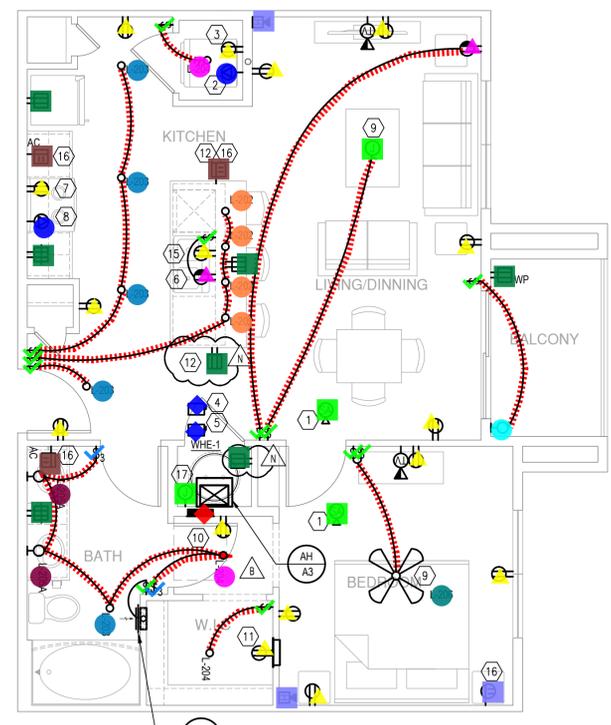
4 UNIT A3 ANSI TYPE A ALT 1
SCALE: 1/4" = 1'-0"



3 UNIT A3 ANSI TYPE A
SCALE: 1/4" = 1'-0"



2 UNIT A3-ALT1
SCALE: 1/4" = 1'-0"



1 UNIT A3
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

SHEET NUMBER

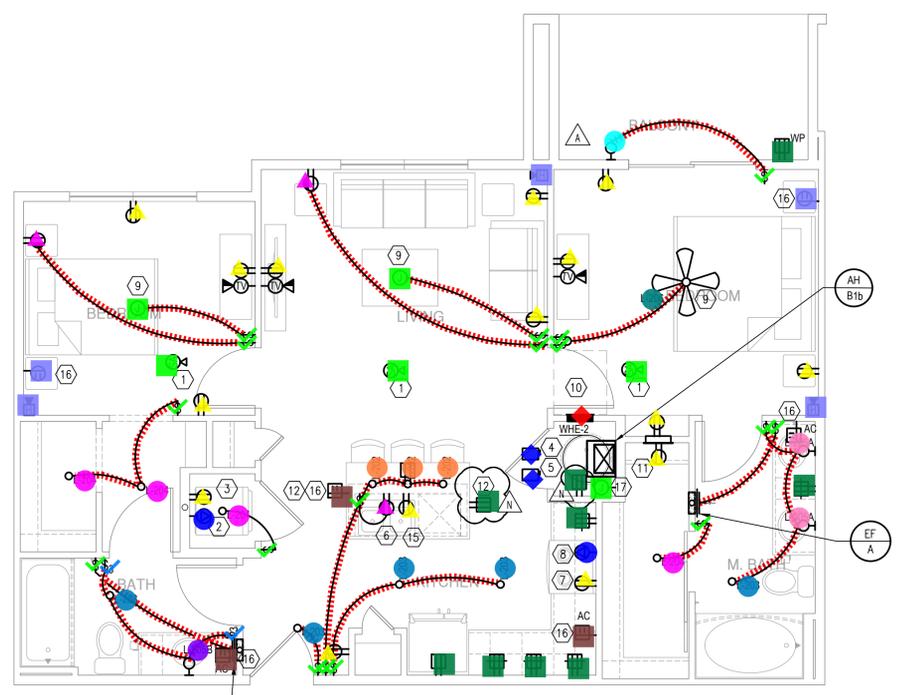
E3.02

ISSUED FOR CONSTRUCTION

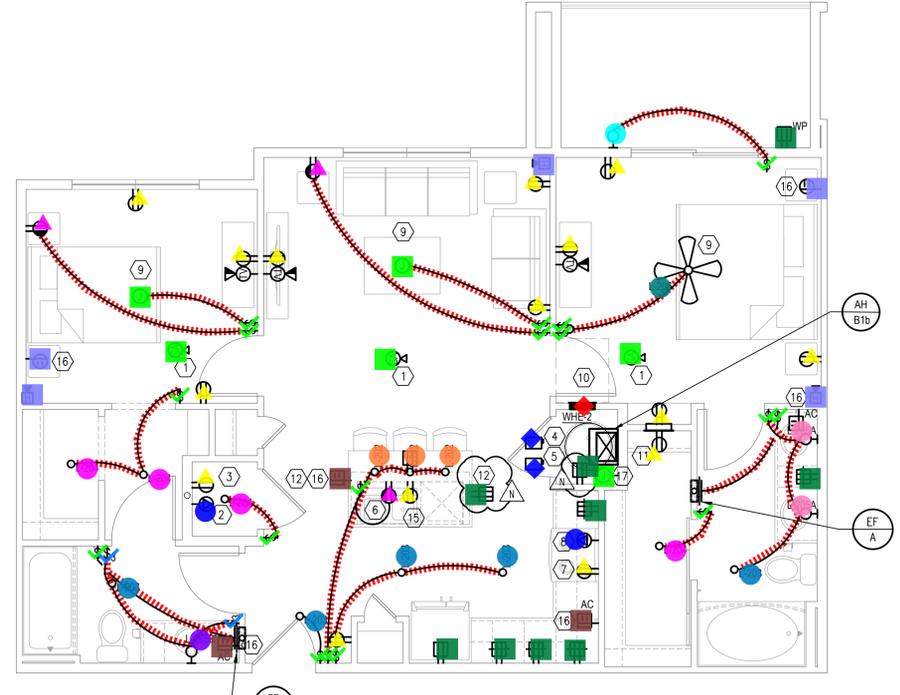
Legend		
Description	Quantity	Unit
Audible Smoke Alarm W/ Battery	12	Count
Conduits	471.46	ft
Disconnect Switch	8	Count
Duplex GF Protected Receptacle (2) DC USB Charging Ports	14	Count
Duplex Protected Receptacle (2) DC USB Charging Ports	8	Count
Duplex Receptacle	58	Count
Fire Alarm Horn/Speaker W/ Visual Device	12	Count
GFCI Duplex Receptacle	28	Count
J - Junction Box	12	Count
L-202 - one Light (1) 13W GU24 Bulb	12	Count
L-203 - One Light (1) 15W LED Lamp	20	Count
L-204 - Two Light (2) 13W GU24 Lamp	17	Count
L-205A - 3 Light Vanity Fixture	10	Count
L-205B - 4 Light Vanity Fixture	2	Count
L-206 - One Light	4	Count
Light Fixture	4	Count
Panel Board	4	Count
Single Pole Single Throw Switch	69	Count
Special Purpose Receptacle	8	Count
Split Wired Duplex Receptacle	12	Count
Three Way Switch	8	Count

GENERAL
G-1 REFER TO NOTES AS

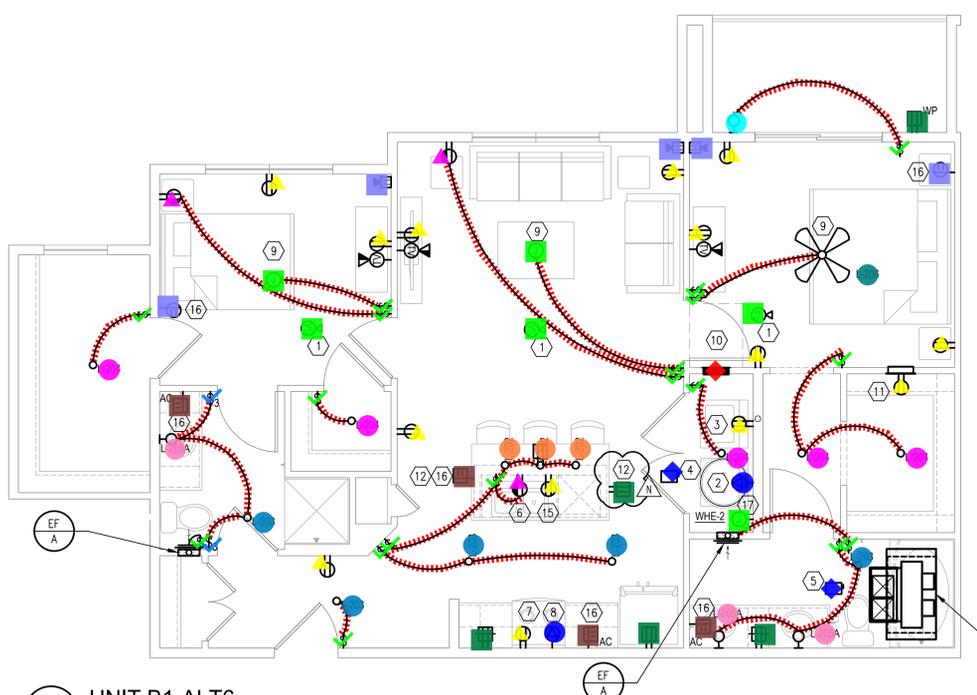
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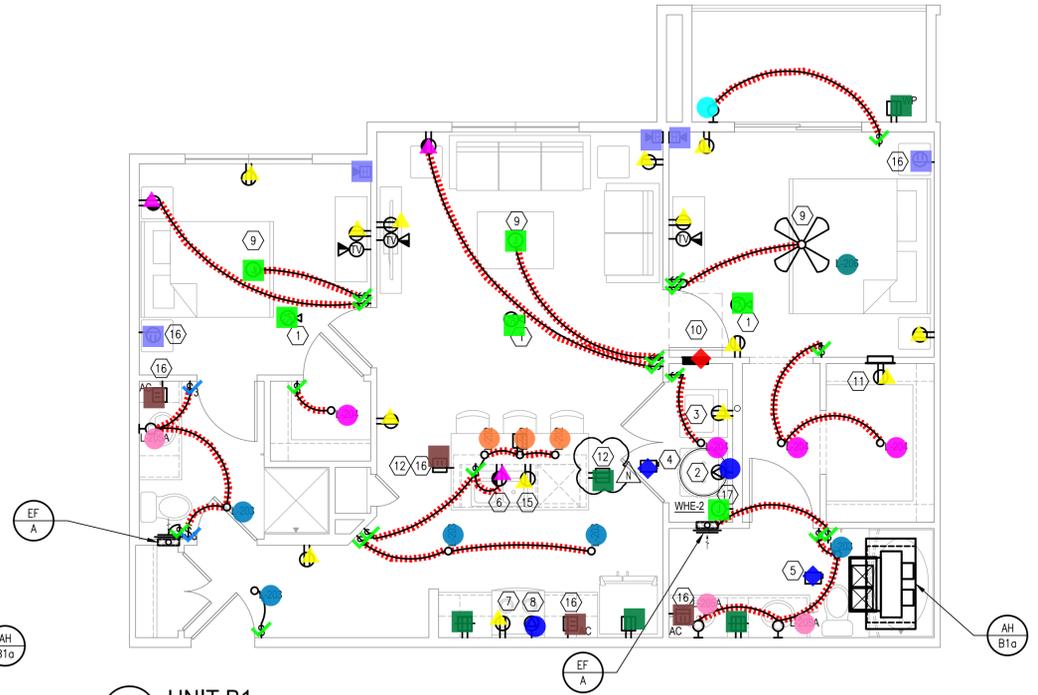
4 UNIT B1-ALT3
SCALE: 1/4" = 1'-0"



3 UNIT B1-ALT1
SCALE: 1/4" = 1'-0"



2 UNIT B1-ALT6
SCALE: 1/4" = 1'-0"



1 UNIT B1
SCALE: 1/4" = 1'-0"

SIM: B1-ALT4

SHEET TITLE
UNIT PLAN

SHEET NUMBER

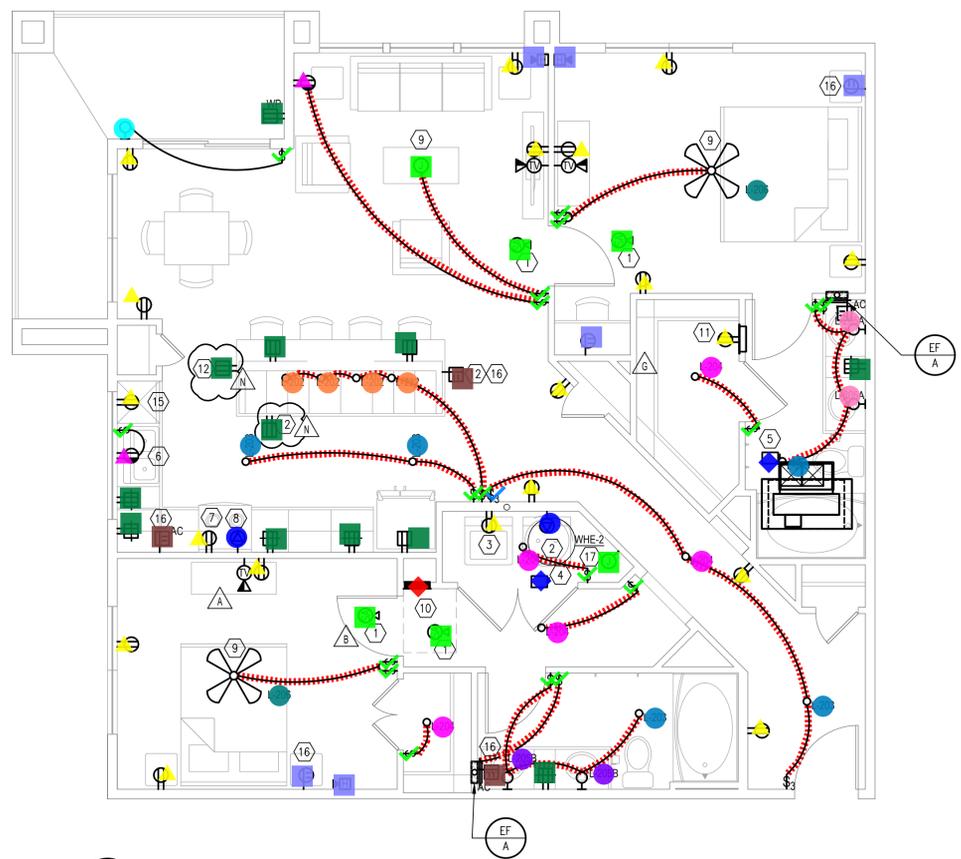
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ISSUED FOR CONSTRUCTION

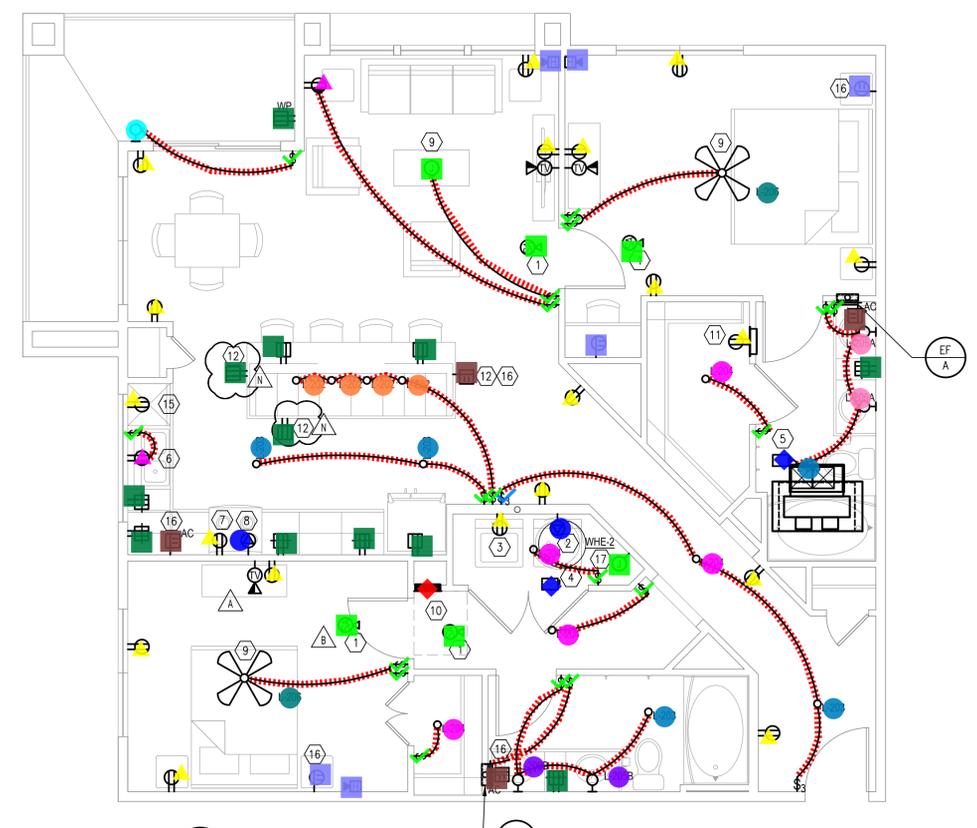
Legend		
Description	Quantity	Unit
Audible Smoke Alarm W/ Battery	16	Count
Conduits	483.52	ft
Disconnect Switch	8	Count
Duplex GF Protected Receptacle (2) DC USB Charging Ports	15	Count
Duplex Protected Receptacle (2) DC USB Charging Ports	10	Count
Duplex Receptacle	78	Count
Fire Alarm Horn/Speaker W/ Visual Device	13	Count
GFCI Duplex Receptacle	43	Count
J - Junction Box	10	Count
L-202 - one Light (1) 13W GU24 Bulb	16	Count
L-203 - One Light (1) 15W LED Lamp	21	Count
L-204 - Two Light (2) 13W GU24 Lamp	18	Count
L-205A - 3 Light Vanity Fixture	9	Count
L-205B - 4 Light Vanity Fixture	5	Count
L-206 - One Light	6	Count
Light Fixture	4	Count
Panel Board	4	Count
Single Pole Single Throw Switch	73	Count
Special Purpose Receptacle	8	Count
Split Wired Duplex Receptacle	10	Count
Three Way Switch	3	Count

GENERAL
G-1 REFER TO NOTES AS

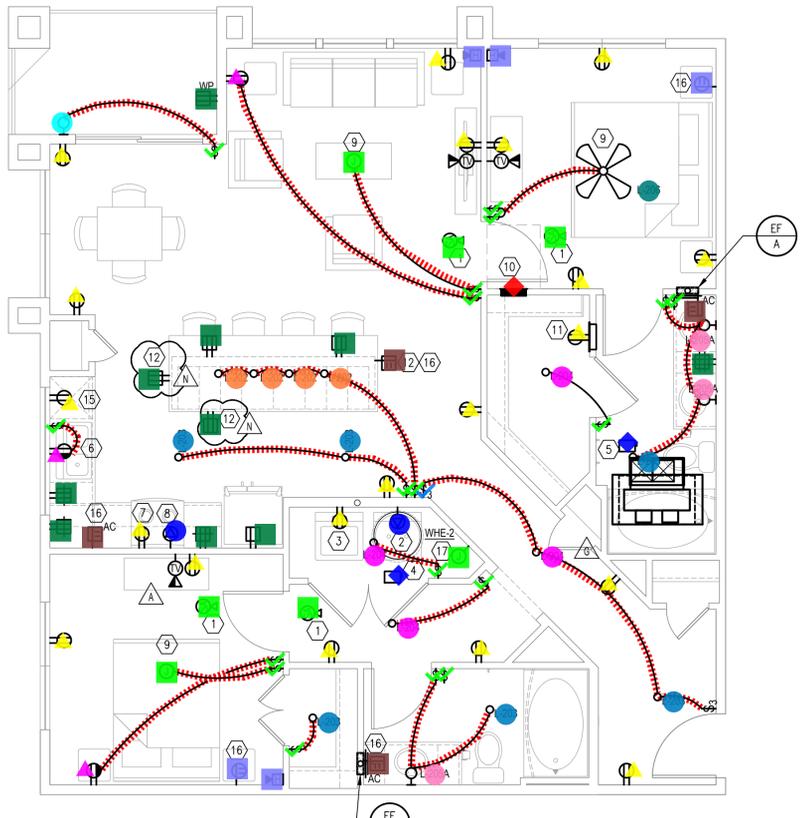
UPDATED LATEST UNIT



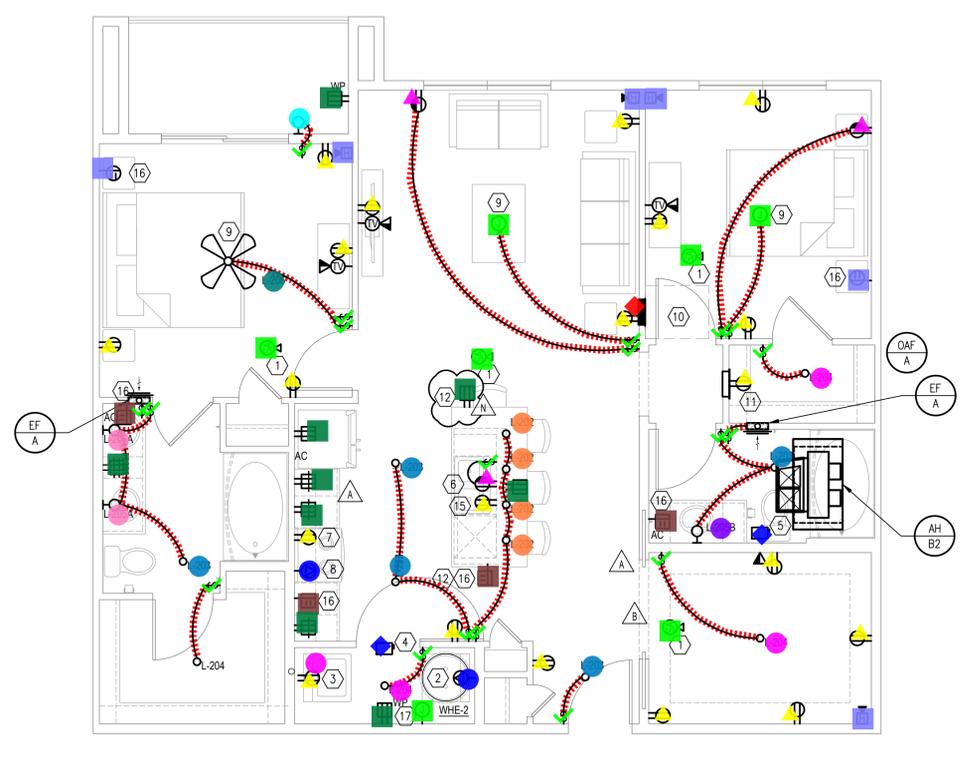
4 UNIT B3-ALT1
SCALE: 1/4" = 1'-0"
SIM: B3-ALT4 & B3-ALT5



2 UNIT B3-ALT2
SCALE: 1/4" = 1'-0"
SIM: B3-ALT4 & B3-ALT5



3 UNIT B3
SCALE: 1/4" = 1'-0"
SIM: B3-ALT3 & B3-ALT6



1 UNIT B2
SCALE: 1/4" = 1'-0"
SIM: B2-ALT1

SHEET TITLE
UNIT PLAN

SHEET NUMBER

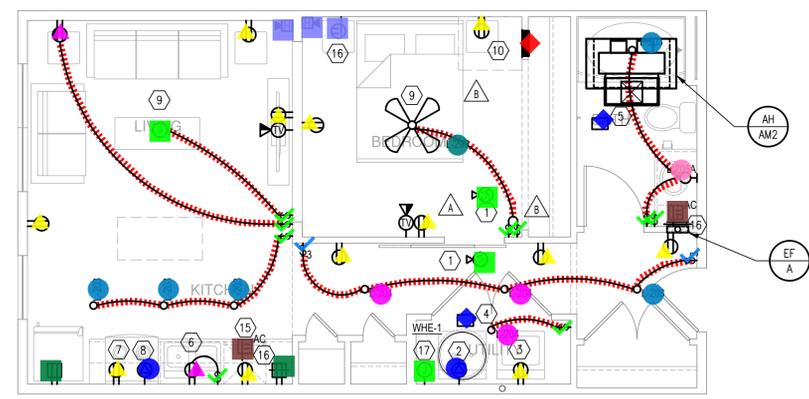
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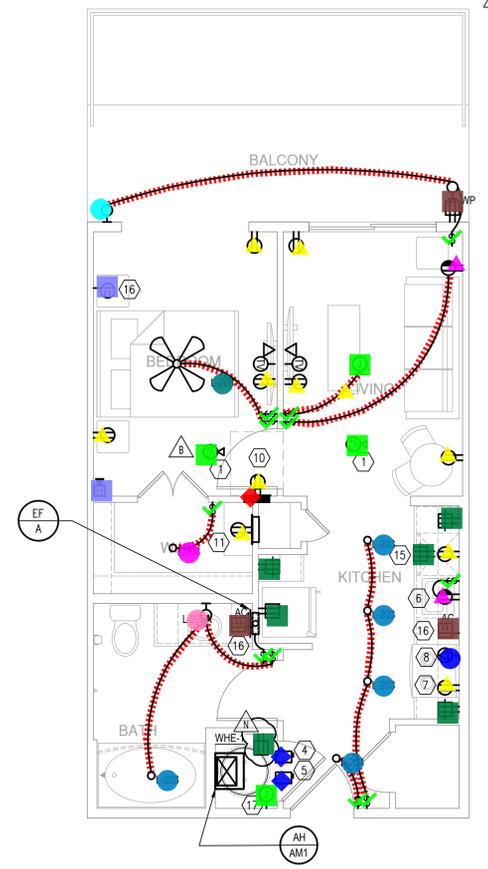
Legend		
Description	Quantity	Unit
Audible Smoke Alarm W/ Battery	10	Count
Conduits	324.13	ft
Disconnect Switch	8	Count
Duplex GF Protected Receptacle (2) DC USB Charging Ports	11	Count
Duplex Protected Receptacle (2) DC USB Charging Ports	5	Count
Duplex Receptacle	52	Count
Fire Alarm Horn/Speaker W/ Visual Device	7	Count
GFCI Duplex Receptacle	24	Count
J - Junction Box	9	Count
L-202 - one Light (1) 13W GU24 Bulb	4	Count
L-203 - One Light (1) 15W LED Lamp	20	Count
L-204 - Two Light (2) 13W GU24 Lamp	8	Count
L-205A - 3 Light Vanity Fixture	3	Count
L-205B - 4 Light Vanity Fixture	2	Count
L-206 - One Light	4	Count
Light Fixture	3	Count
Panel Board	4	Count
Single Pole Single Throw Switch	47	Count
Special Purpose Receptacle	6	Count
Split Wired Duplex Receptacle	9	Count
Three Way Switch	3	Count

GENERAL NOTES
G-1 REFER TO NOTES AS

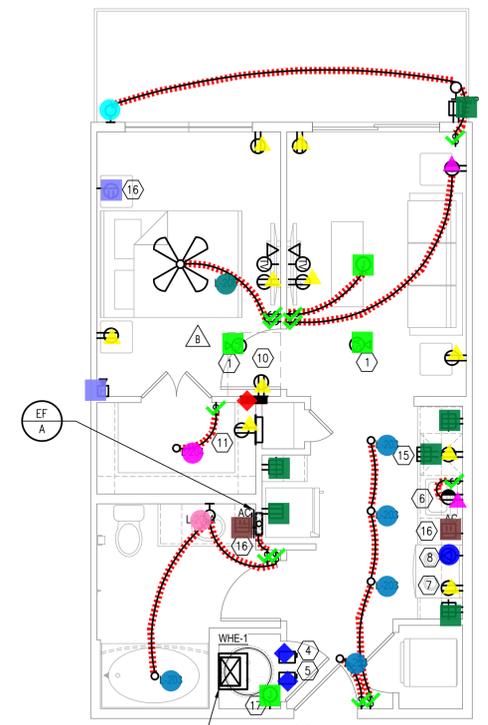
UPDATED LATEST UNIT



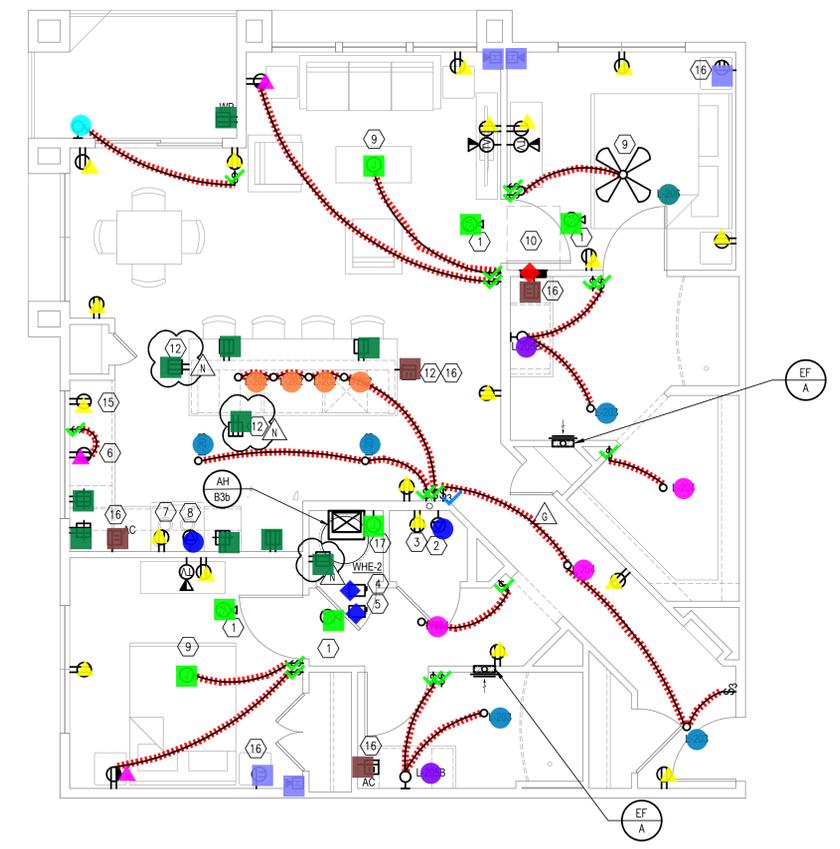
4 UNIT A-M2
SCALE: 1/4" = 1'-0"
SIM: A-M2-ALT1



3 UNIT A-M1-ALT1
SCALE: 1/4" = 1'-0"



2 UNIT A-M1
SCALE: 1/4" = 1'-0"



1 UNIT B3 ANSI TYPE A
SCALE: 1/4" = 1'-0"
SIM: B3 ANSI TYPE A-ALT1

SHEET TITLE
UNIT PLAN

SHEET NUMBER

E3.05

ISSUED FOR CONSTRUCTION

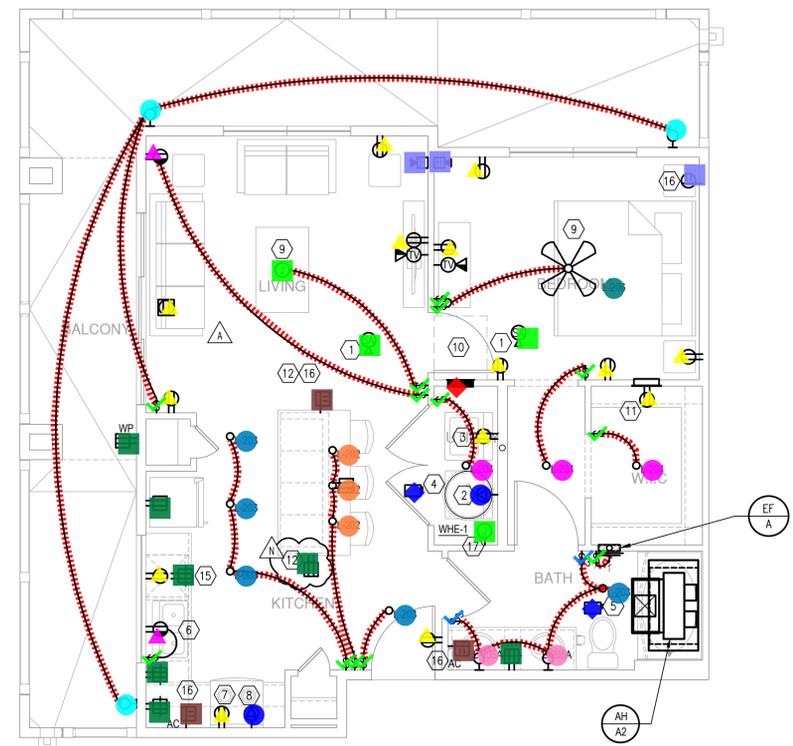
Legend

Description	Quantity	Unit
Audible Smoke Alarm W/ Battery	12	Count
Conduits	436.58	ft
Disconnect Switch	8	Count
Duplex GF Protected Receptacle (2) DC USB Charging Ports	12	Count
Duplex Protected Receptacle (2) DC USB Charging Ports	5	Count
Duplex Receptacle	62	Count
Fire Alarm Horn/Speaker	1	Count
Fire Alarm Horn/Speaker W/ Visual Device	8	Count
GFCI Duplex Receptacle	32	Count
J - Junction Box	9	Count
L-202 - one Light (1) 13W GU24 Bulb	11	Count
L-203 - One Light (1) 15W LED Lamp	22	Count
L-204 - Two Light (2) 13W GU24 Lamp	12	Count
L-205A - 3 Light Vanity Fixture	7	Count
L-205B - 4 Light Vanity Fixture	2	Count
L-206 - One Light	4	Count
Light Fixture	5	Count
Panel Board	4	Count
Single Pole Single Throw Switch	55	Count
Special Purpose Receptacle	7	Count
Split Wired Duplex Receptacle	9	Count
Three Way Switch	4	Count

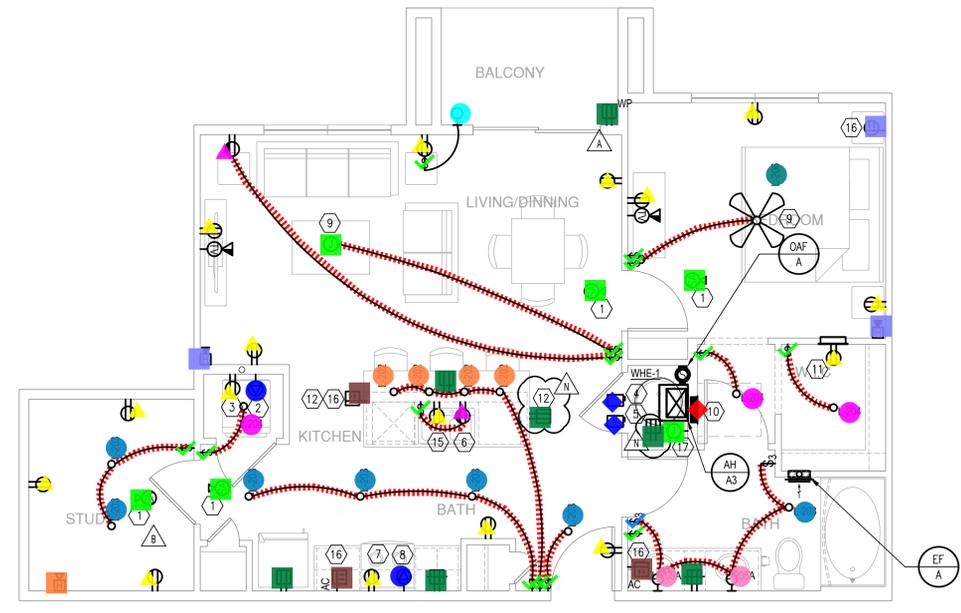
GENERAL

G-1 REFER TO SHEET NOTES ASSOCIATE

UPDATED LIGHTING LATEST UNIT ID RCB

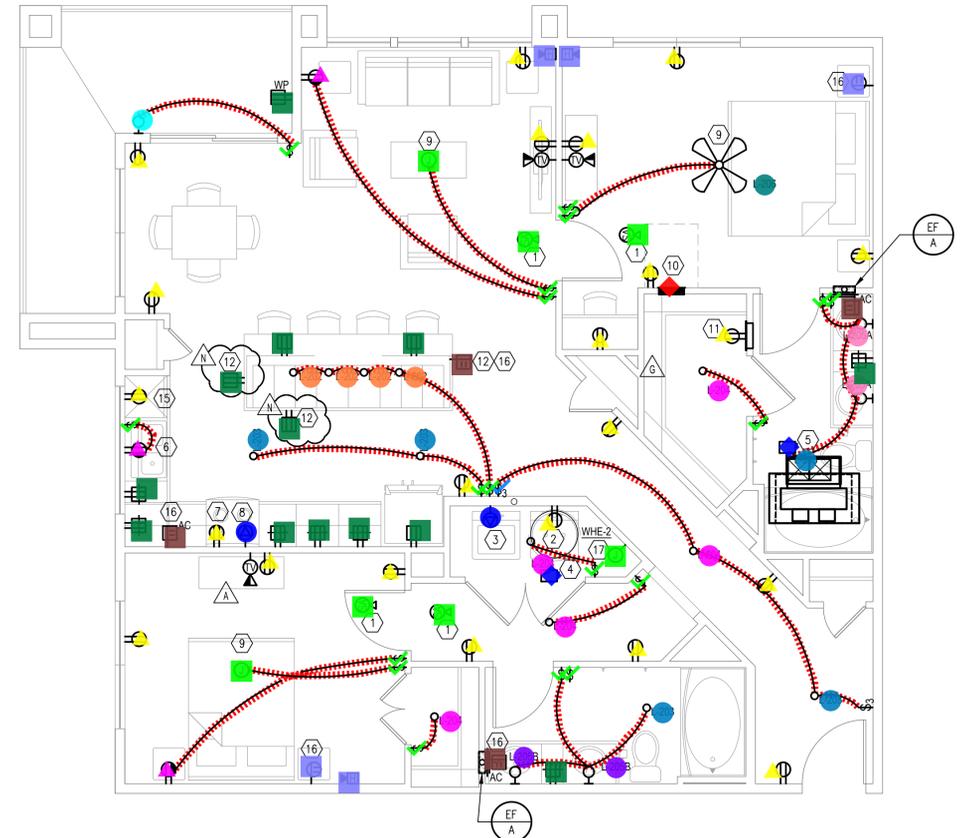


3 UNIT A2-ALT3
SCALE: 1/4" = 1'-0"

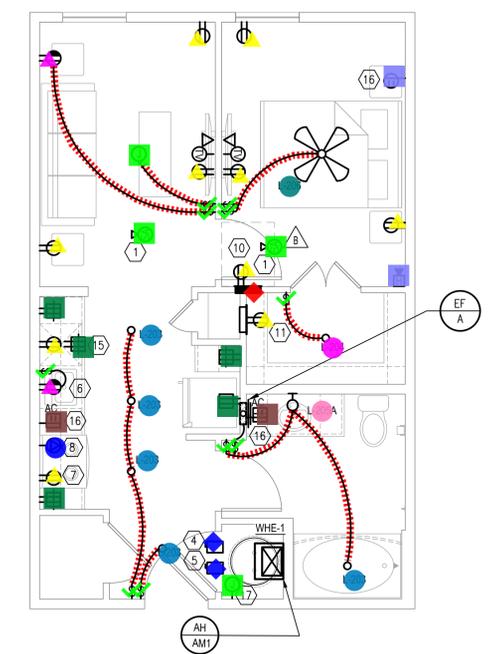


4 UNIT A3-ALT2
SCALE: 1/4" = 1'-0"

SIM: A3-ALT3



2 UNIT B3-ALT1 UNDER ROOF GARDEN
SCALE: 1/4" = 1'-0"



1 UNIT A-M3
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

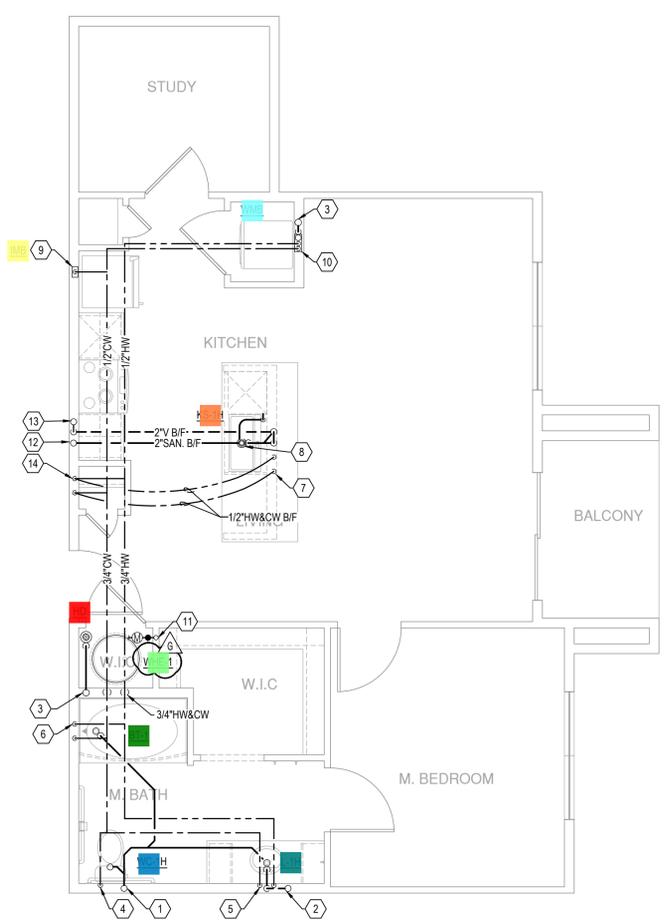
SHEET NUMBER

E3.06

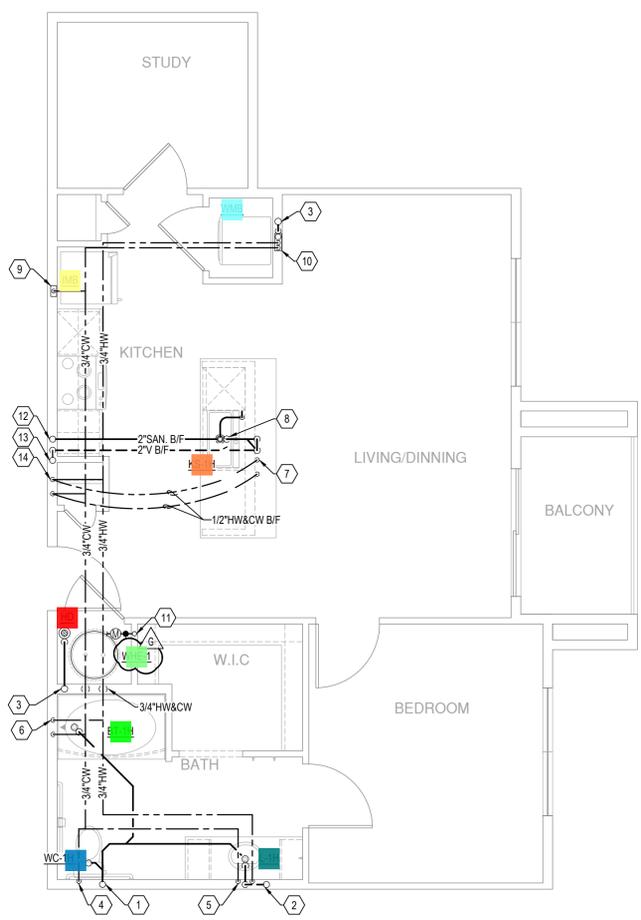
ISSUED FOR CONSTRUCTION

Legend			
	Description	Quantity	Unit
■	BT-1 - Bathtub	3	Count
■	BT-1H - Bathtub	1	Count
■	HD - Hub Drain	4	Count
■	IMB - Ice Maker Box	4	Count
■	KS-1 - Kitchen Sink	2	Count
■	KS-1H - Kitchen Sink	2	Count
■	L-1 - Lavatory (Residential)	4	Count
■	L-1H - Lavatory (Residential)	2	Count
■	WC-1 - Water Closet (Residential)	2	Count
■	WC-1H - Water Closet (Residential)	2	Count
■	WHE-1 - Electric Storage Water Heater	4	Count
■	WMB - Washing Machine Box	4	Count

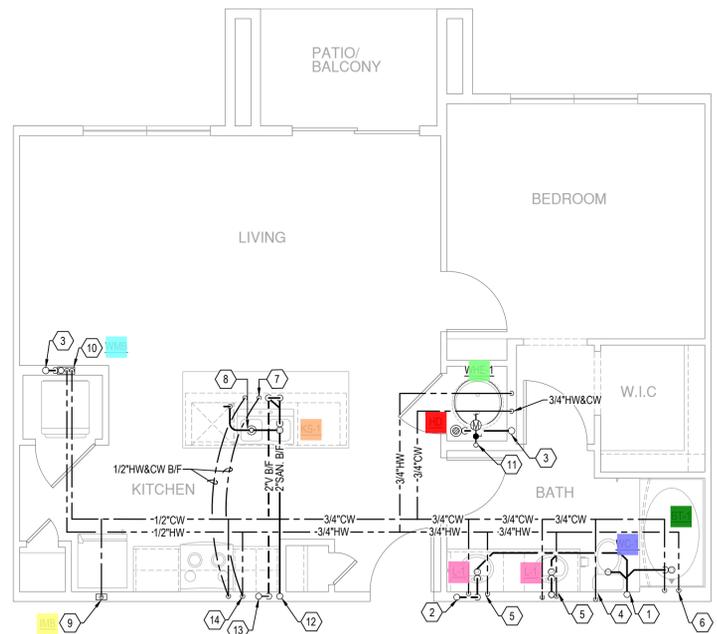
KEY	
①	3"
②	3"
③	3"
④	12"
⑤	12"
⑥	12"
⑦	12"
⑧	12"
⑨	12"
⑩	12"
⑪	12"
⑫	2"
⑬	2" SANITARY VENT STACK
⑭	1/2" HW&CW DOWN TO BELOW FLOOR TO SERVE ISLAND SINK



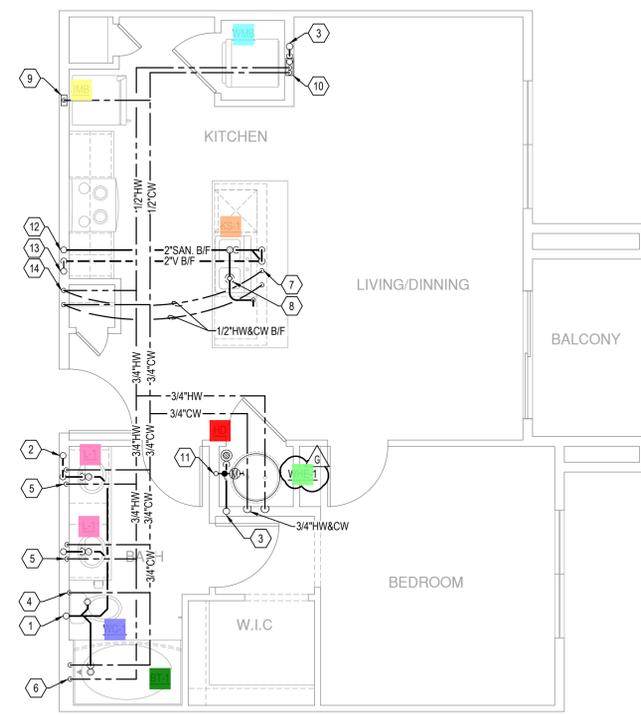
4 UNIT A3 ANSI TYPE A ALT 1
SCALE: 1/4" = 1'-0"



3 UNIT A3 ANSI TYPE A
SCALE: 1/4" = 1'-0"



2 UNIT A3-ALT 1
SCALE: 1/4" = 1'-0"



1 UNIT A3
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

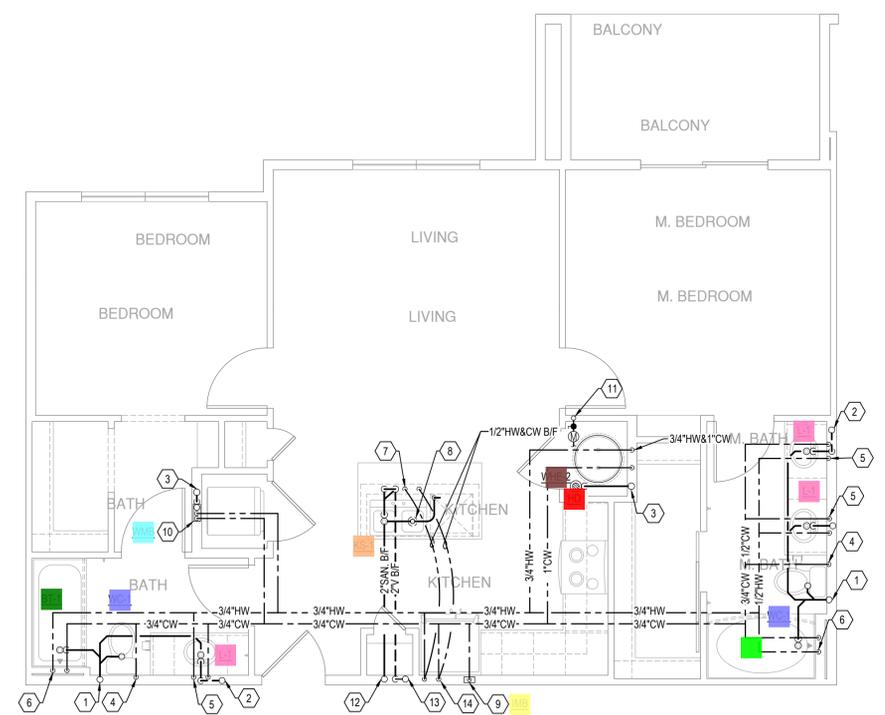
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P3.02

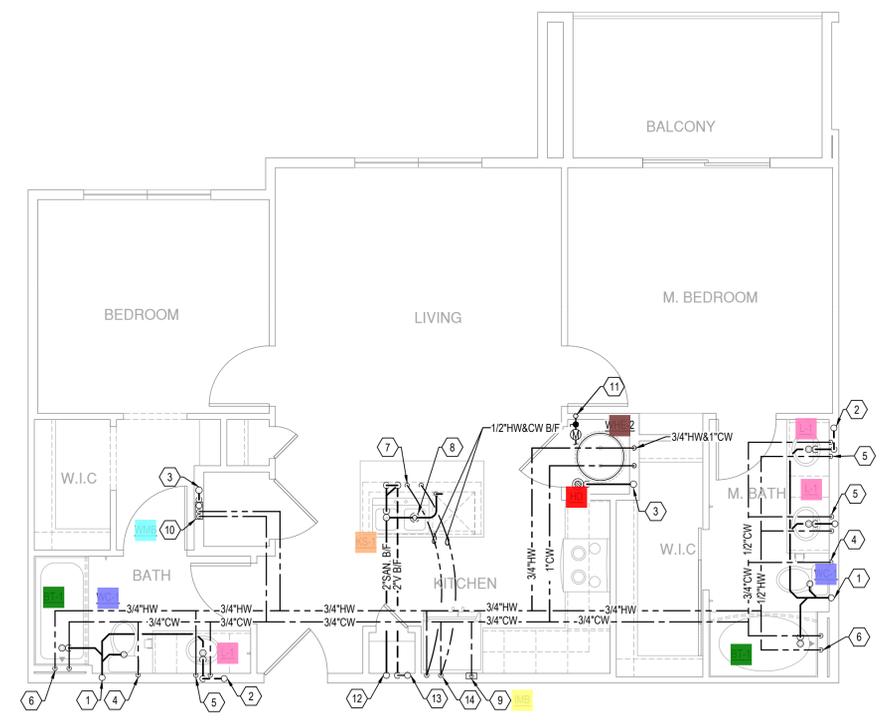
ISSUED FOR CONSTRUCTION

Legend			
	Description	Quantity	Unit
■	BT-1 - Bathtub	1	Count
■	BT-1 - Bathtub	5	Count
■	HD - Hub Drain	2	Count
■	IMB - Ice Maker Box	4	Count
■	KS-1 - Kitchen Sink	4	Count
■	L-1 - Lavatory (Residential)	12	Count
■	Shower	2	Count
■	WC-1 - Water Closet (Residential)	8	Count
■	WHE-2 - Electric Storage Water Heater	4	Count
■	WMB - Washing Machine Box	4	Count

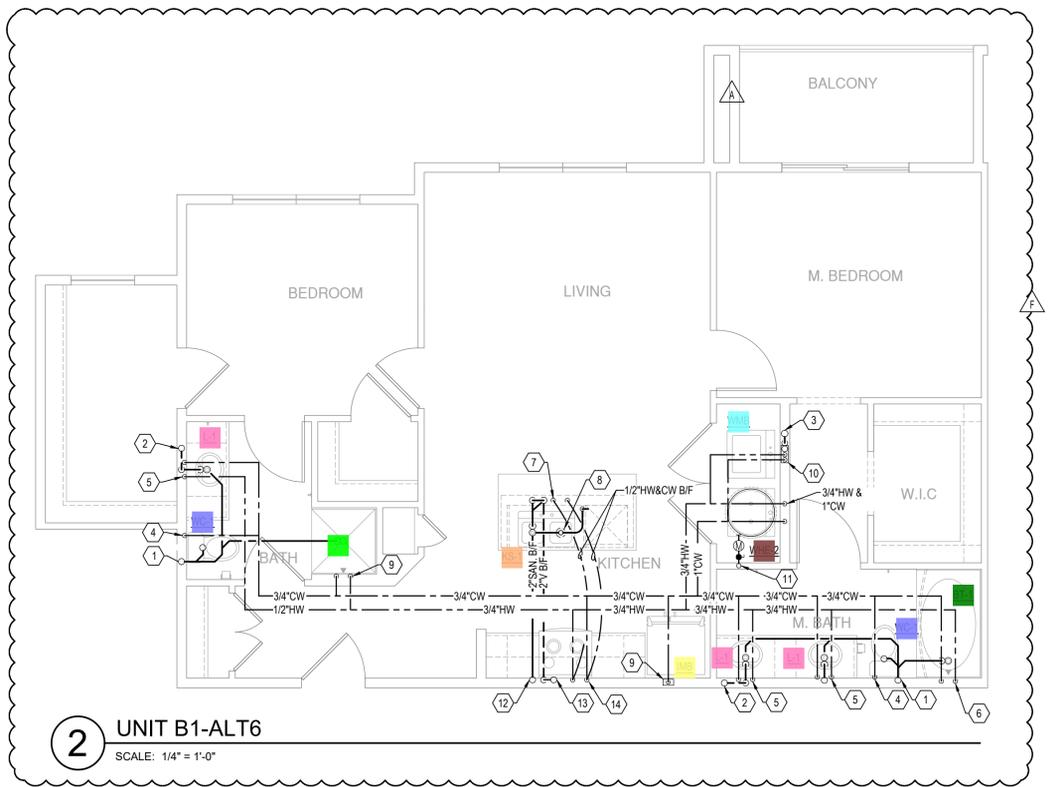
KEY	
①	3"
②	3"
③	3"
④	12"
⑤	12"
⑥	12"
⑦	12"
⑧	12"
⑨	12"
⑩	12"
⑪	DOMESTIC WATER RISER TO SERVE UNIT. INSTALL SHUT OFF VALVE AND SUB METER AS REQUIRED. SEE RISER DIAGRAMS FOR WATER RISER SIZING.
⑫	2" SANITARY WASTE STACK
⑬	2" SANITARY VENT STACK
⑭	1/2" HW&CW DOWN TO BELOW FLOOR TO SERVE ISLAND SINK



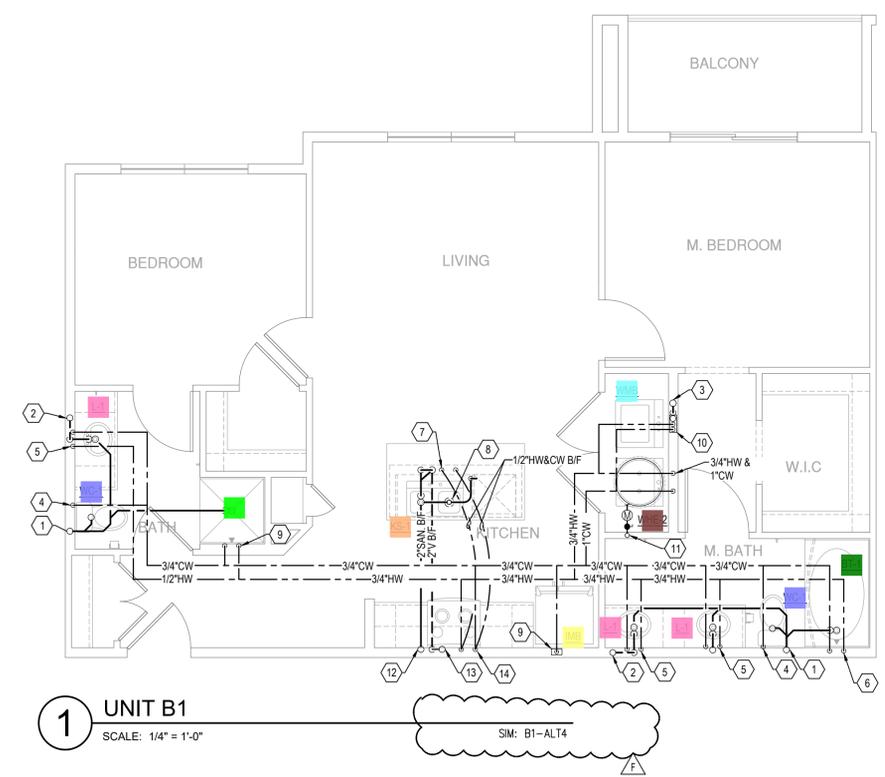
4 UNIT B1-ALT3
SCALE: 1/4" = 1'-0"



3 UNIT B1-ALT1
SCALE: 1/4" = 1'-0"



2 UNIT B1-ALT6
SCALE: 1/4" = 1'-0"



1 UNIT B1
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

SHEET NUMBER

P3.03

ISSUED FOR CONSTRUCTION

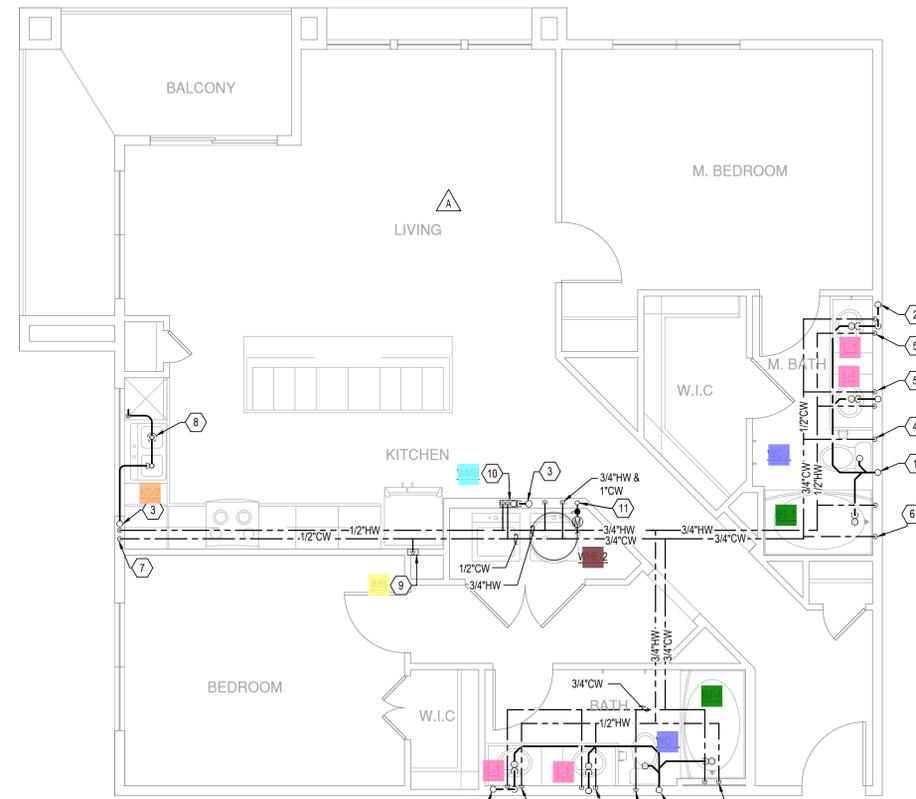
Legend			
	Description	Quantity	Unit
■	BT-1 - Bathtub	8	Count
■	IMB - Ice Maker Box	4	Count
◆	IW -	1	Count
①	KS-1 - Kitchen Sink	1	Count
②	KS-2 - Kitchen Sink	3	Count
③	L-1 - Lavatory (Residential)	13	Count
④	WC-1 - Water Closet (Residential)	8	Count
⑤	WHE-2 - Electric Storage Water Heater	4	Count
⑥	WMB - Washing Machine Box	4	Count

KEY	DESCRIPTION
①	3"
②	3"
③	3"
④	12"
⑤	12"
⑥	12"
⑦	12"
⑧	DI DR IN
⑨	12" DOMESTIC COLD WATER DOWN IN WALL TO SERVE ICE MAKER SUPPLY BOX.
⑩	12" DOMESTIC COLD AND HOT WATER IN WALL TO SERVE WASH BOX.
⑪	DOMESTIC WATER RISER TO SERVE UNIT. INSTALL SHUT OFF VALVE AND SUB METER AS REQUIRED. SEE RISER DIAGRAMS FOR WATER RISER SIZING.
⑫	2" SANITARY WASTE STACK
⑬	2" SANITARY VENT STACK
⑭	1/2" HW&CW DOWN TO BELOW FLOOR TO SERVE ISLAND SINK

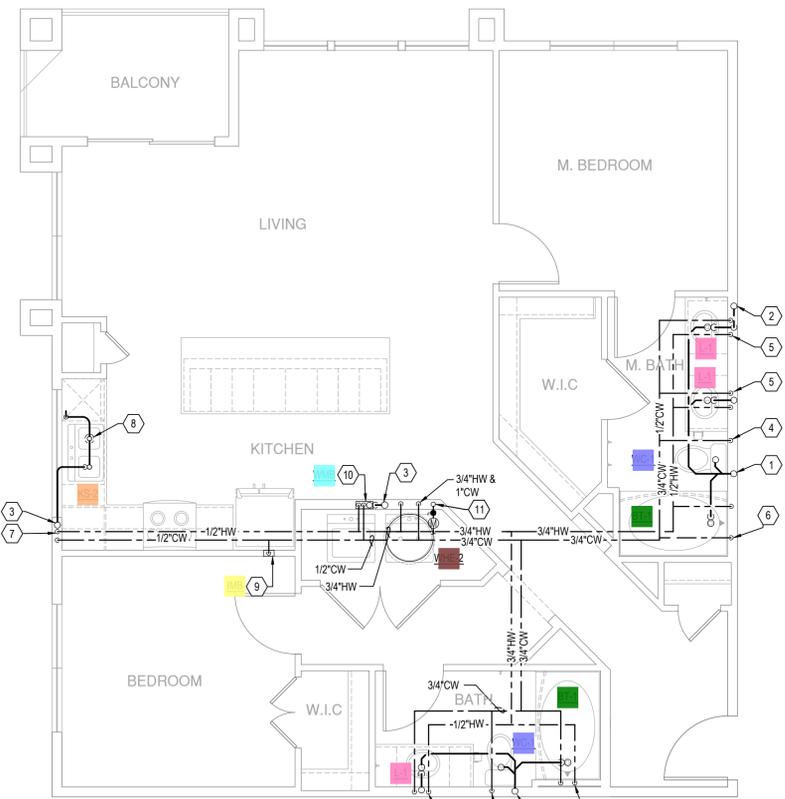


4 UNIT B3-ALT1
SCALE: 1/4" = 1'-0"

SIM: B3-ALT4 & B3-ALT5

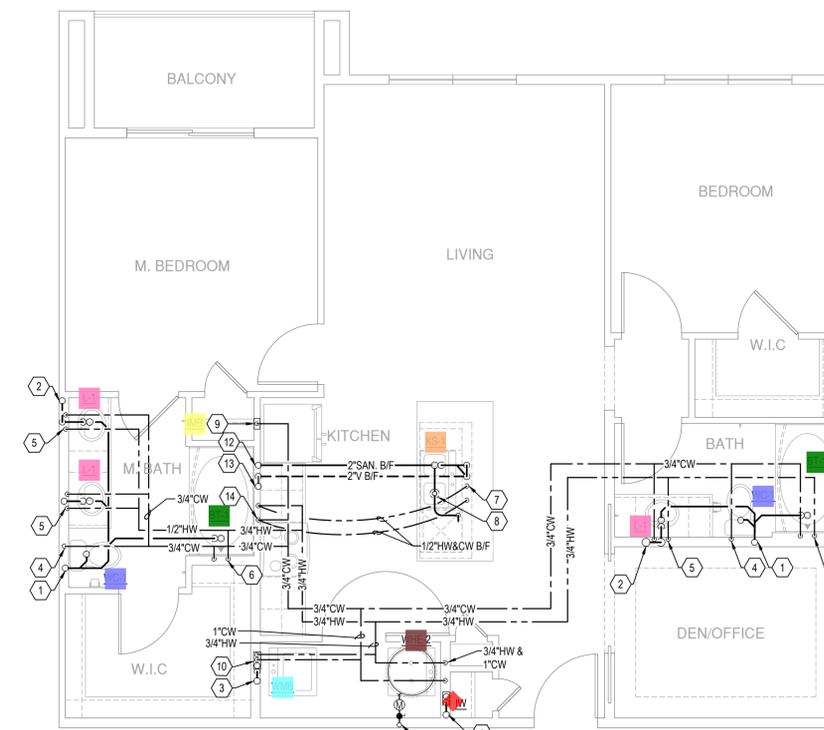


2 UNIT B3-ALT2
SCALE: 1/4" = 1'-0"



3 UNIT B3
SCALE: 1/4" = 1'-0"

SIM: B3-ALT3 & B3-ALT6



1 UNIT B2
SCALE: 1/4" = 1'-0"

SIM: B2-ALT1

SHEET TITLE
UNIT PLAN

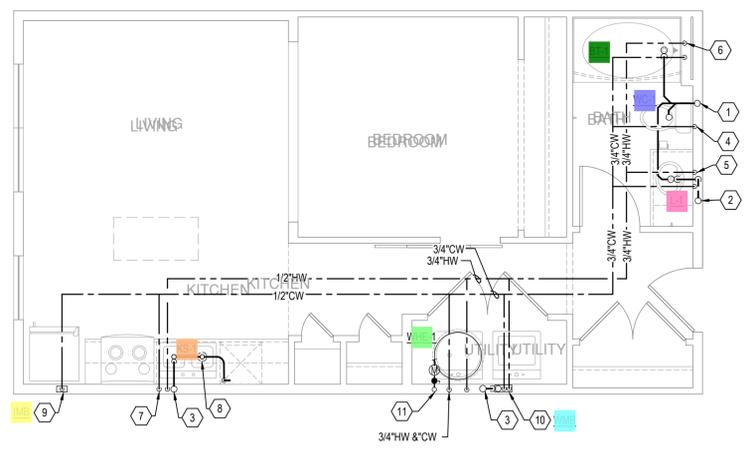
SHEET NUMBER

P3.04

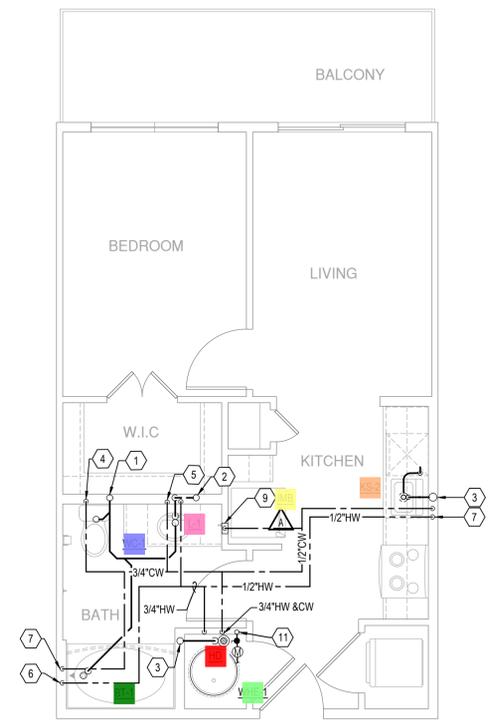
ISSUED FOR CONSTRUCTION

Legend			
	Description	Quantity	Unit
■	BT-1 - Bathtub	3	Count
■	BT-1H - Bathtub	2	Count
■	HD - Hub Drain	3	Count
■	IMB - Ice Maker Box	4	Count
■	KS-1 - Kitchen Sink	1	Count
■	KS-1H - Kitchen Sink	1	Count
■	KS-2 - Kitchen Sink	2	Count
■	L-1 - Lavatory (Residential)	3	Count
■	L-1H - Lavatory (Residential)	2	Count
■	WC-1 - Water Closet (Residential)	3	Count
■	WC-1H - Water Closet (Residential)	2	Count
■	WHE-1 - Electric Storage Water Heater	3	Count
■	WHE-2 - Electric Storage Water Heater	1	Count
■	WMB - Washing Machine Box	2	Count

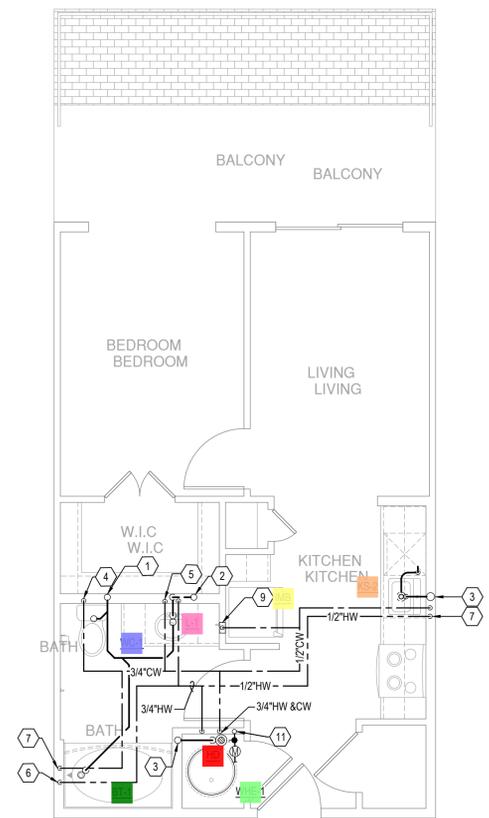
KEY	
①	3"
②	3"
③	3"
④	12"
⑤	12"
⑥	12"
⑦	12"
⑧	12"
⑨	12"
⑩	12"
⑪	12"
⑫	2"
⑬	2"
⑭	12"



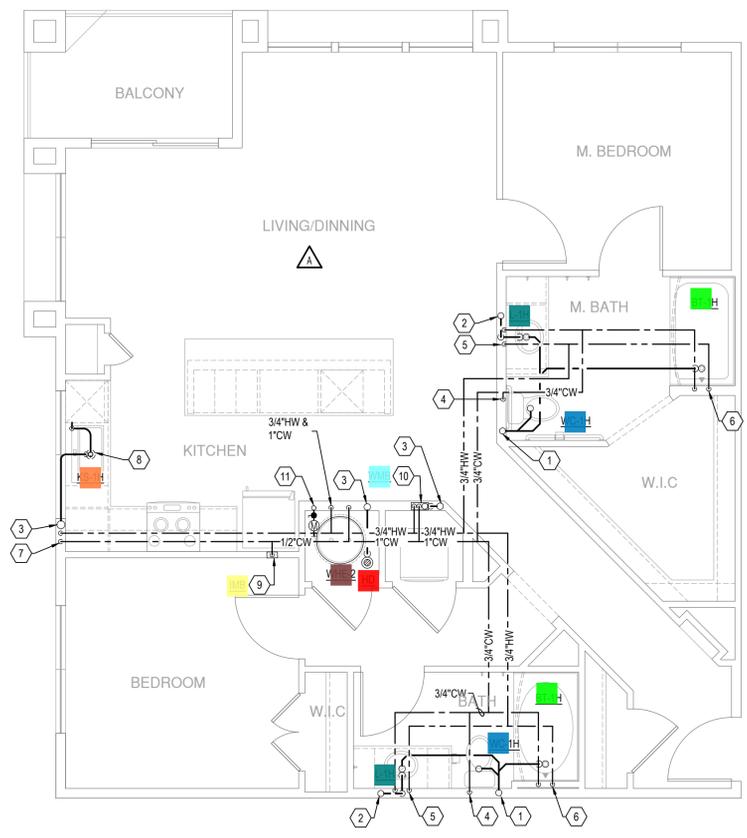
4 UNIT A-M2
SCALE: 1/4" = 1'-0"
SIM: A-M2-ALT1



2 UNIT A-M1
SCALE: 1/4" = 1'-0"



3 UNIT A-M1-ALT1
SCALE: 1/4" = 1'-0"



1 UNIT B3 ANSI TYPE A
SCALE: 1/4" = 1'-0"
SIM: B3 ANSI TYPE A-ALT1

SHEET TITLE
UNIT PLAN

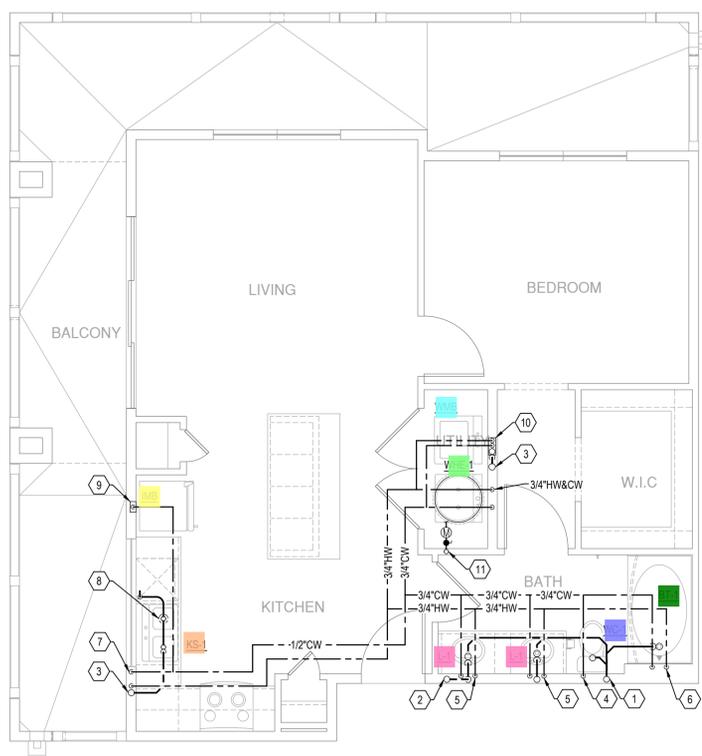
SHEET NUMBER

P3.05

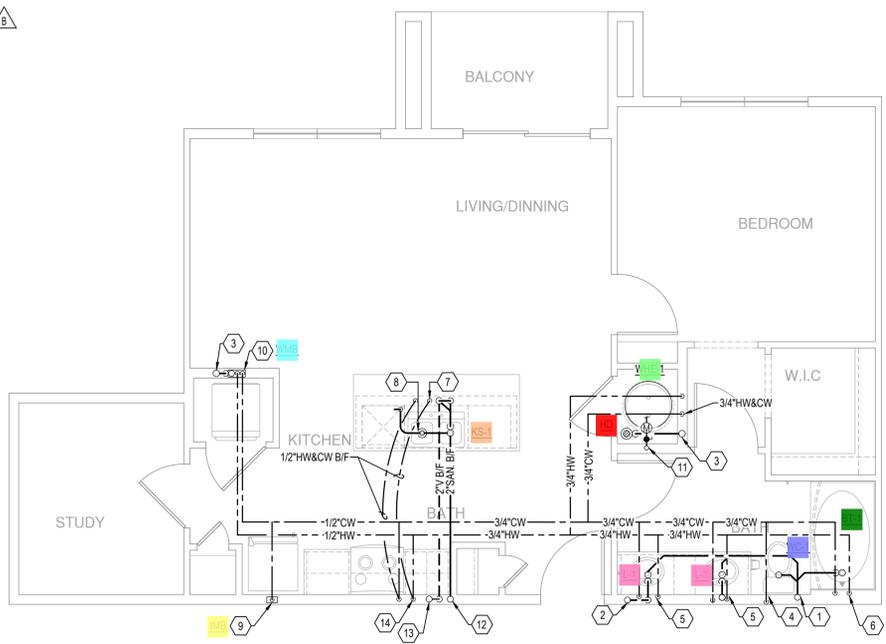
ISSUED FOR CONSTRUCTION

Legend			
	Description	Quantity	Unit
■	BT-1 - Bathtub	5	Count
■	HD - Hub Drain	2	Count
■	IMB - Ice Maker Box	4	Count
■	KS-1 - Kitchen Sink	2	Count
■	KS-2 - Kitchen Sink	2	Count
■	L-1 - Lavatory (Residential)	8	Count
■	WC-1 - Water Closet (Residential)	5	Count
■	WHE-1 - Electric Storage Water Heater	3	Count
■	WHE-2 - Electric Storage Water Heater	1	Count
■	WMB - Washing Machine Box	3	Count

KEY NOT	
①	3" SANITAF
②	3" SANITAF
③	3" SANITAF
④	1/2" DOME
⑤	1/2" DOME
⑥	1/2" DOME
⑦	1/2" COLD WAY STOP HOT WATER
⑧	DISPOSAL DRAIN THE INLET. DIS
⑨	1/2" DOME
⑩	1/2" DOMESTIC COLD AND HOT WATER IN WALL TO SERVE WASH BOX.
⑪	DOMESTIC WATER RISER TO SERVE UNIT. INSTALL SHUT OFF VALVE AND SUB METER AS REQUIRED. SEE RISER DIAGRAMS FOR WATER RISER SIZING.
⑫	2" SANITARY WASTE STACK
⑬	2" SANITARY VENT STACK
⑭	1/2" HW&CW DOWN TO BELOW FLOOR TO SERVE ISLAND SINK

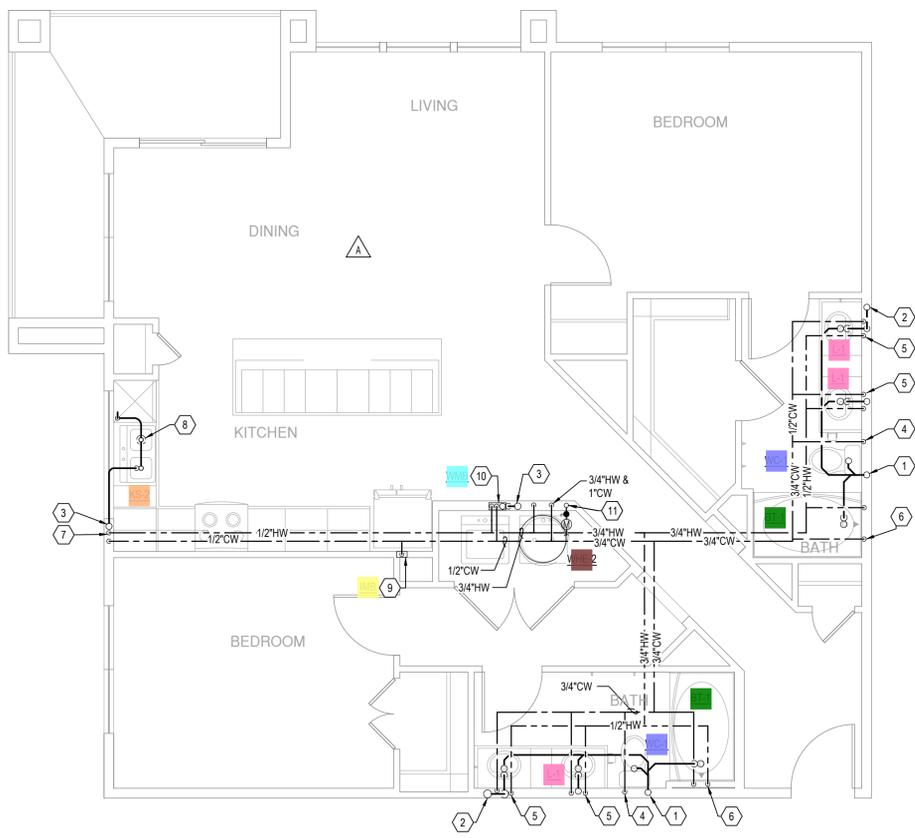


3 UNIT A2-ALT3
SCALE: 1/4" = 1'-0"

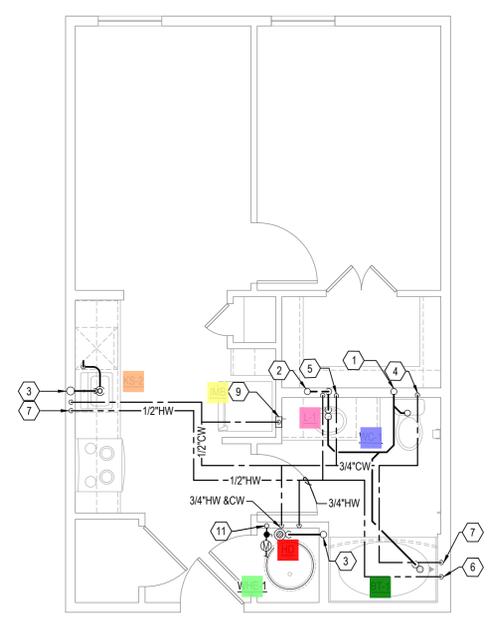


4 UNIT A3-ALT2
SCALE: 1/4" = 1'-0"

SIM: A3-ALT3



2 UNIT B3 ALT-1 UNDER ROOF GARDEN
SCALE: 1/4" = 1'-0"



1 UNIT A-M3
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLAN

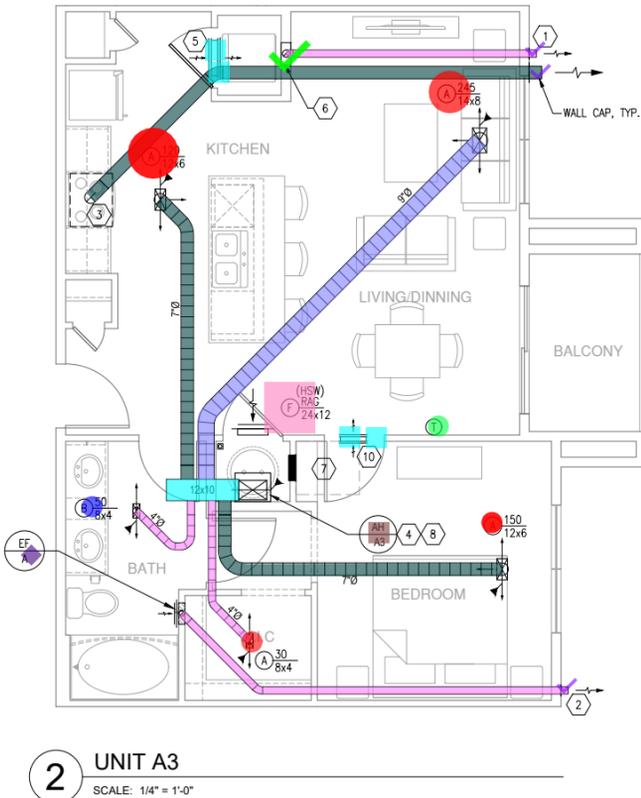
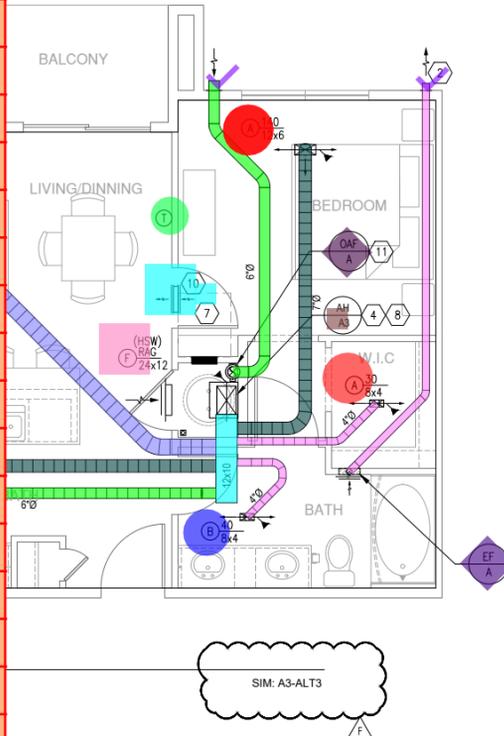
SHEET NUMBER

P3.06

ISSUED FOR CONSTRUCTION

Legend

Description	Quantity	Unit
4" Dia. Duct	161.54	ft
5" Dia. Duct	22.62	ft
6" Dia. Duct	50.79	ft
7" Dia. Duct	190.78	ft
9" Dia. Duct	92.60	ft
12X10 Duct	10.99	ft
A - Stamped Supply Register	16	Count
AH/A2 - Split System Cooling Units	1	Count
AH/A3 - Split System Cooling Units	3	Count
B - Stamped Supply Register	5	Count
D - Stamped Return Grille	1	Count
Dryer Vent Box	4	Count
E - Grille	16	Count
EF- A - Exhaust Fan	4	Count
F - 35 Degree Fixed Blade Return Grille	4	Count
OAF - A - Exhaust Fan	1	Count
Thermostat	4	Count
Wall Cap	13	Count



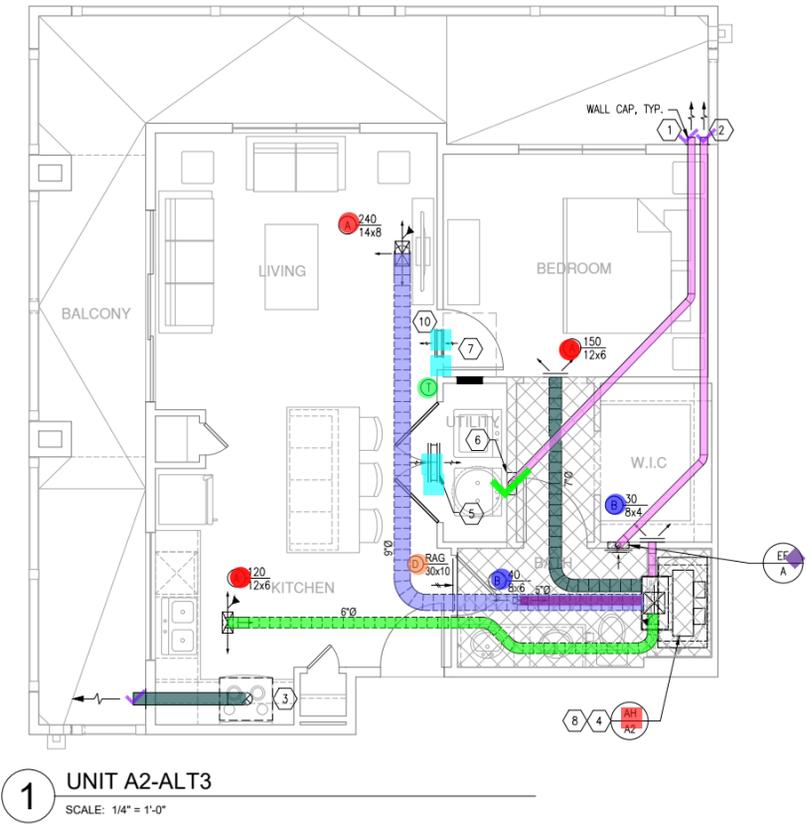
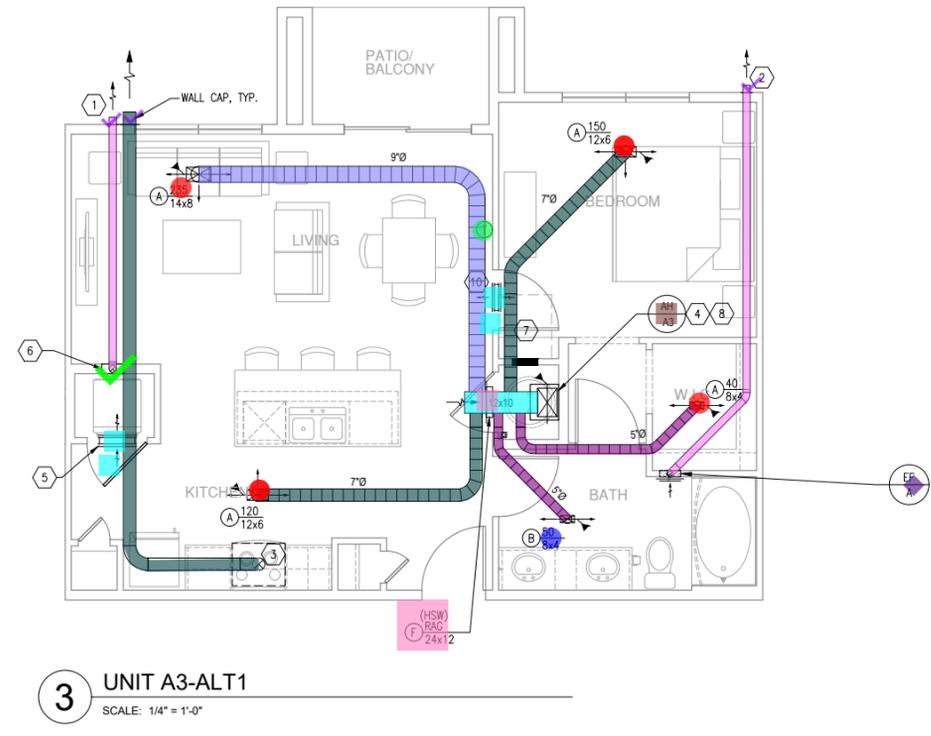
- GENERAL NOTES: (APPLY TO THIS SHEET ONLY)
- MECHANICAL CONTRACTOR SHALL COORDINATE WASHER BOX, ELECTRICAL RECEPTACLE, DRYER VENT BOX, ETC. BEHIND WASHER/DRYERS WITH PLUMBING AND ELECTRICAL DISCIPLINES PRIOR TO CONSTRUCTION.
 - COORDINATE ALL WALL CAP AND SOFFIT VENT LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL COORDINATE DUCTWORK ROUTING THROUGH 18-INCH DEEP OPEN WEB STRUCTURE AND ATTIC SPACE TO AVOID STRUCTURAL AND ARCHITECTURAL CONFLICTS.
 - ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACKDRAFT DAMPERS. TOILET EXHAUST SHALL INCLUDE INSECT SCREEN.
 - GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL WOOD TRUSSES INSTALLED ABOVE VERTICAL AIR HANDLING UNITS TO AVOID HVAC AND STRUCTURAL CONFLICTS. HVAC WILL HAVE A SUPPLY DUCT DISCHARGE PLENUM THAT MUST EXTEND BETWEEN OPEN WEB JOISTS/TRUSSES.
 - MAINTAIN A MINIMUM OF 3'-0" BETWEEN ALL OPERABLE BUILDING OPENINGS AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT IN BATHROOMS WITH PLUMBING.
 - COORDINATE ALL TOILET EXHAUST FANS WITH WALL CABINETS AND MEDICINE CABINETS. FANS LOCATED AT WALL ADJACENT TO TOILETS SHALL BE MOUNTED A MINIMUM OF 14-INCH AWAY FROM THE WALL. THE TOILET IS MOUNTED TO AVOID CONFLICT WITH THE CABINET OVER THE TOILET.
 - COORDINATE ALL T-STAT LOCATIONS WITH GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION. MOUNT T-STAT 6" FROM CORNER OR END OF WALL.
 - CONTRACTOR TO ROUTE TOP LEVEL TOILET AND DRYER EXHAUSTS DOWN TO CEILING TRUSS SPACE OF BELOW FLOOR.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - THE LAST 10'-0" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - ROUTE TOILET EXHAUST AND DRYER DUCTWORK THROUGH OPEN WEB STRUCTURE.
 - BEDROOM DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.

- KEYED NOTES (APPLIES TO THIS SHEET ONLY)
- ROUTE 4" DRYER EXHAUST VENT UP FROM DRYER VENT BOX INTO STRUCTURE. ROUTE 4" DRYER EXHAUST DUCT WITHIN STRUCTURE TO EXTERIOR WALL CAP OR SOFFIT VENT. COORDINATE WITH ARCHITECT EXTERIOR WALL LOUVER LOCATION.
 - 4" BATH EXHAUST ROUTED TO EXTERIOR WALL CAP. COORDINATE WITH ARCHITECT EXTERIOR WALL LOUVER LOCATION.
 - RANGE HOODS ARE VENTED TO EXTERIOR FOR ALL RANGE HOOD EQUIPMENT IS PROVIDED (BY OTHERS).
 - ROUTE PRIMARY 3/4" CONDENSATE TO NEAREST HUB DRAIN IN HVAC CLOSET. REFER TO PLUMBING FOR EXACT LOCATION. PROVIDE FLOAT SAFETY SWITCH FOR SECONDARY CONDENSATE.
 - LAUNDRY DRYER MAKE UP AIR THROUGH TRANSFER DUCT WITH (2) TYPE 'E' 18X10 TRANSFER GRILLES LOCATED ON EACH SIDE OF WALL. 1" UNDERCUT FOR DRYER MAKEUP AIR TO ALLOW 120 SQ. INCHES OF FREE AREA.
 - DRYER VENT BOX. REFER TO MECHANICAL DETAILS ON M103.
 - ELECTRICAL PANELS SHOWN FOR REFERENCE. REFER TO ELECTRICAL DRAWINGS. CONTRACTOR TO AVOID ANY DUCTWORK OVER ELECTRICAL PANEL.
 - ROUTE 12X12 SA DUCT UP INTO STRUCTURE WITH CRD DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
 - PROVIDE TRANSFER OPENING ABOVE FURREDOWN CEILING WITH 2.0 SQUARE FEET FREE AREA MINIMUM.
 - BEDROOM HI-LOW TRANSFER THROUGH TRANSFER DUCT WITH 18X10 TYPE 'E' GRILLES ON EACH SIDE OF WALL.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL INTAKE AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.

- FURREDOWN LEGEND
- 14" INSIDE CLEAR PLENUM RATED FURREDOWN. BOX OUT OPENINGS WITH DRYWALL TO MAINTAIN FIRE RATING. REFER TO IMC SECTION 602.2.1. (BY OTHERS)
 - NON-RATED ARCHITECTURAL 14" CLEAR FURREDOWN. REFER TO ARCHITECTURAL PLANS.

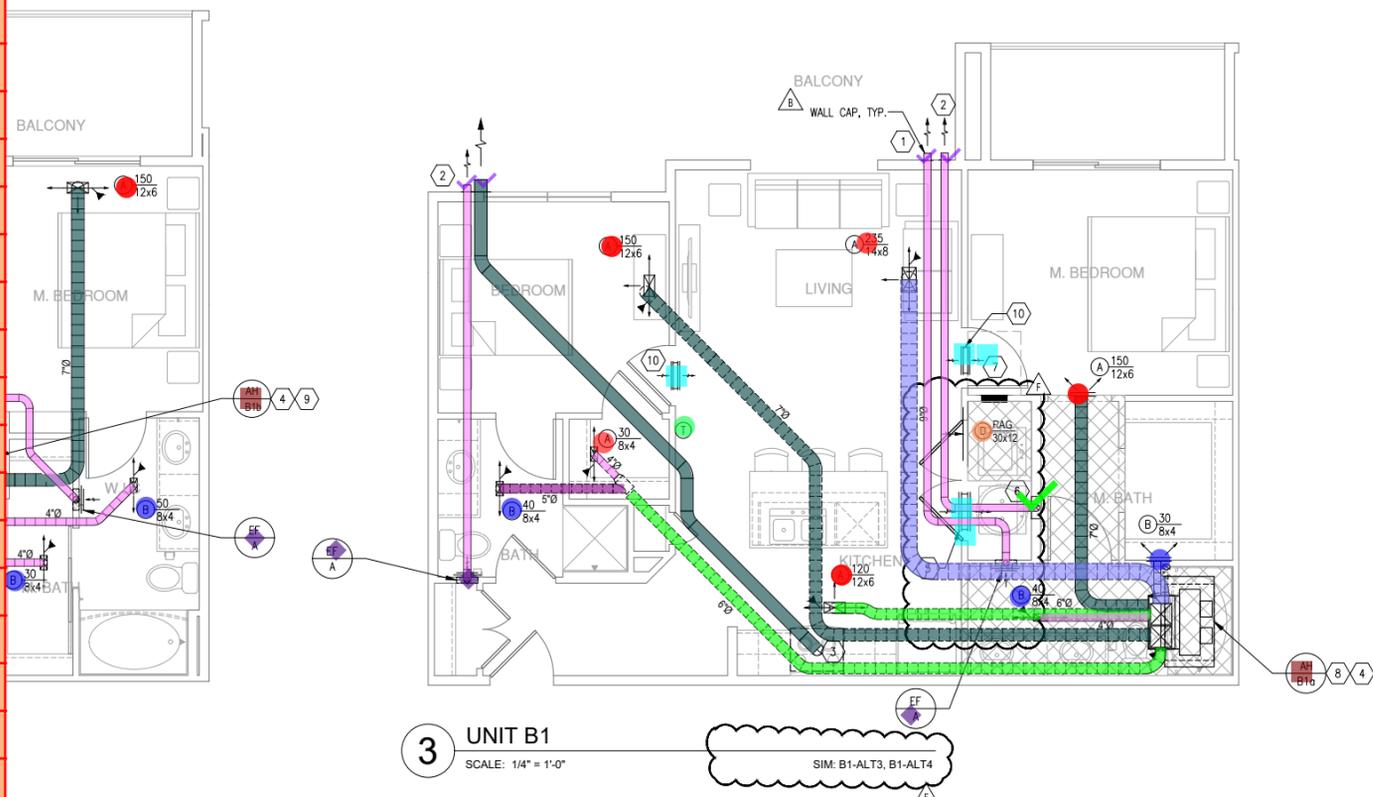
- DUCTWORK LEGEND:
- FLEX DUCTWORK LOCATED WITHIN PLENUM.
 - FLEX DUCTWORK LOCATED WITHIN TRUSSES.

This given scale 1/4"=1'-0" is wrong scale & the correct scale is 1/8"=1'-0"



Legend

Description	Quantity	Unit
1	1	Count
4" Dia. Duct	257.06	ft
5" Dia. Duct	5.87	ft
6" Dia. Duct	111.61	ft
7" Dia. Duct	296.31	ft
9" Dia. Duct	85.99	ft
12X10 Duct	12.91	ft
14X10 Duct	5.25	ft
A - Stamped Supply Register	19	Count
AH/A3 - Split System Cooling Units	2	Count
AH/B1a - Split System Cooling Units	2	Count
B - Stamped Supply Register	9	Count
D - Stamped Return Grille	1	Count
Dryer Vent Box	4	Count
E - Grille	18	Count
EF- A - Exhaust Fan	7	Count
F - 35 Degree Fixed Blade Return Grille	3	Count
OAF - A - Exhaust Fan	2	Count
Thermostat	4	Count
Wall Cap	15	Count



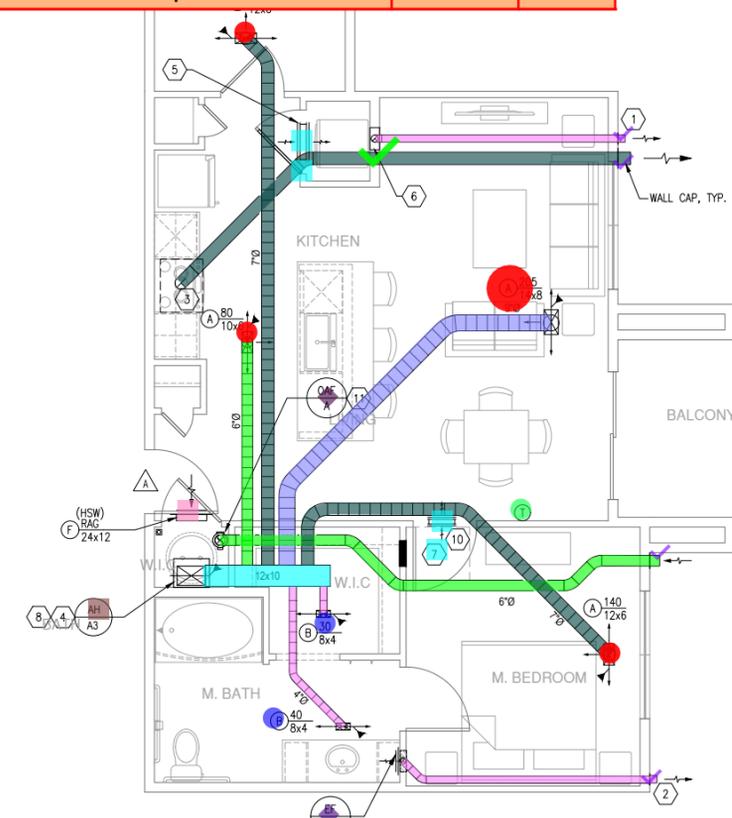
3 UNIT B1
SCALE: 1/4" = 1'-0"

- GENERAL NOTES: (APPLY TO THIS SHEET ONLY)
- MECHANICAL CONTRACTOR SHALL COORDINATE WASHER BOX, ELECTRICAL RECEPTACLE, DRYER VENT BOX, ETC. BEHIND WASHER/DRYERS WITH PLUMBING AND ELECTRICAL DISCIPLINES PRIOR TO CONSTRUCTION.
 - COORDINATE ALL WALL CAP AND SOFFIT VENT LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL COORDINATE DUCTWORK ROUTING THROUGH 18-INCH DEEP OPEN WEB STRUCTURE AND ATTIC SPACE TO AVOID STRUCTURAL AND ARCHITECTURAL CONFLICTS.
 - ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACKDRAFT DAMPERS. TOILET EXHAUST SHALL INCLUDE INSECT SCREEN.
 - GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL WOOD TRUSSES INSTALLED ABOVE VERTICAL AIR HANDLING UNITS TO AVOID HVAC AND STRUCTURAL CONFLICTS. HVAC WILL HAVE A SUPPLY DUCT DISCHARGE PLENUM THAT MUST EXTEND BETWEEN OPEN WEB JOISTS/TRUSSES.
 - MAINTAIN A MINIMUM OF 3'-0" BETWEEN ALL OPERABLE BUILDING OPENINGS AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT IN BATHROOMS WITH PLUMBING.
 - COORDINATE ALL TOILET EXHAUST FANS WITH WALL CABINETS AND MEDICINE CABINETS. FANS LOCATED AT WALL ADJACENT TO TOILETS SHALL BE MOUNTED A MINIMUM OF 14-INCH AWAY FROM THE WALL. THE TOILET IS MOUNTED TO AVOID CONFLICT WITH THE CABINET OVER THE TOILET.
 - COORDINATE ALL T-STAT LOCATIONS WITH GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION. MOUNT T-STAT 6" FROM CORNER OR END OF WALL.
 - CONTRACTOR TO ROUTE TOP LEVEL TOILET AND DRYER EXHAUSTS DOWN TO CEILING TRUSS SPACE OF BELOW FLOOR.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - THE LAST 10'-0" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - ROUTE TOILET EXHAUST AND DRYER DUCTWORK THROUGH OPEN WEB STRUCTURE.
 - BEDROOM DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.

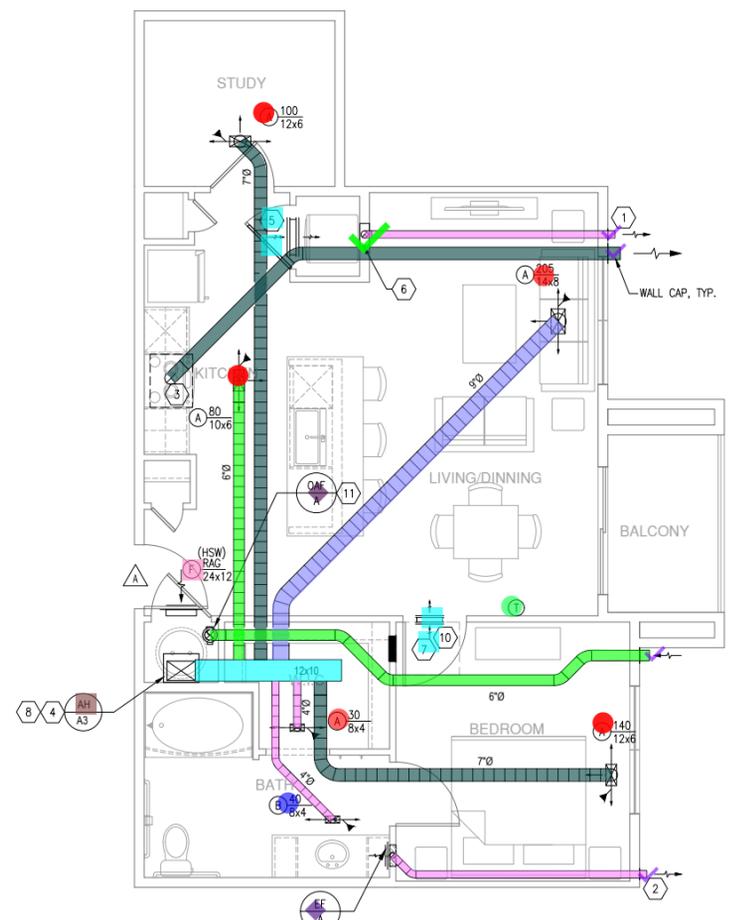
- KEYED NOTES (APPLIES TO THIS SHEET ONLY)
- ROUTE 4" DRYER EXHAUST VENT UP FROM DRYER VENT BOX INTO STRUCTURE. ROUTE 4" DRYER EXHAUST DUCT WITHIN STRUCTURE TO EXTERIOR WALL CAP OR SOFFIT VENT. COORDINATE WITH ARCHITECT EXTERIOR WALL LOUVER LOCATION.
 - 4" BATH EXHAUST ROUTED TO EXTERIOR WALL CAP. COORDINATE WITH ARCHITECT. EXTERIOR WALL LOUVER LOCATION.
 - RANGE HOODS ARE VENTED TO EXTERIOR FOR ALL RANGE HOOD EQUIPMENT IS PROVIDED (BY OTHERS).
 - ROUTE PRIMARY 3/4" CONDENSATE TO NEAREST HUB DRAIN IN HVAC CLOSET. REFER TO PLUMBING FOR EXACT LOCATION. PROVIDE FLOAT SAFE-T SWITCH FOR SECONDARY CONDENSATE.
 - LAUNDRY DRYER MAKE UP AIR THROUGH TRANSFER DUCT WITH (2) TYPE 'E' 18x10 TRANSFER GRILLES LOCATED ON ON EACH SIDE OF WALL. 1" UNDERCUT FOR DRYER MAKEUP AIR TO ALLOW 120 SQ. INCHES OF FREE AREA.
 - DRYER VENT BOX. REFER TO MECHANICAL DETAILS ON M003.
 - ELECTRICAL PANELS SHOWN FOR REFERENCE. REFER TO ELECTRICAL DRAWINGS. CONTRACTOR TO AVOID ANY DUCTWORK OVER ELECTRICAL PANEL.
 - ROUTE 12x12 SA DUCT UP INTO STRUCTURE WITH CRD DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
 - PROVIDE TRANSFER OPENING ABOVE FURREDOWN CEILING WITH 2.0 SQUARE FEET FREE AREA MINIMUM.
 - BEDROOM HI-LOW TRANSFER THROUGH TRANSFER DUCT WITH 18x10 TYPE 'E' GRILLES ON EACH SIDE OF WALL.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL INTAKE AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.

- FURREDOWN LEGEND
- 14" INSIDE CLEAR PLENUM RATED FURREDOWN. BOX OUT OPENINGS WITH DRYWALL TO MAINTAIN FIRE RATING. REFER TO IMC SECTION 602.2.1. (BY OTHERS)
 - NON-RATED ARCHITECTURAL 14" CLEAR FURREDOWN. REFER TO ARCHITECTURAL PLANS.

- DUCTWORK LEGEND:
- FLEX DUCTWORK LOCATED WITHIN PLENUM.
 - FLEX DUCTWORK LOCATED WITHIN TRUSSES.



2 UNIT A3 ANSI TYPE A ALT 1
SCALE: 1/4" = 1'-0"



1 UNIT A3 ANSI TYPE A
SCALE: 1/4" = 1'-0"

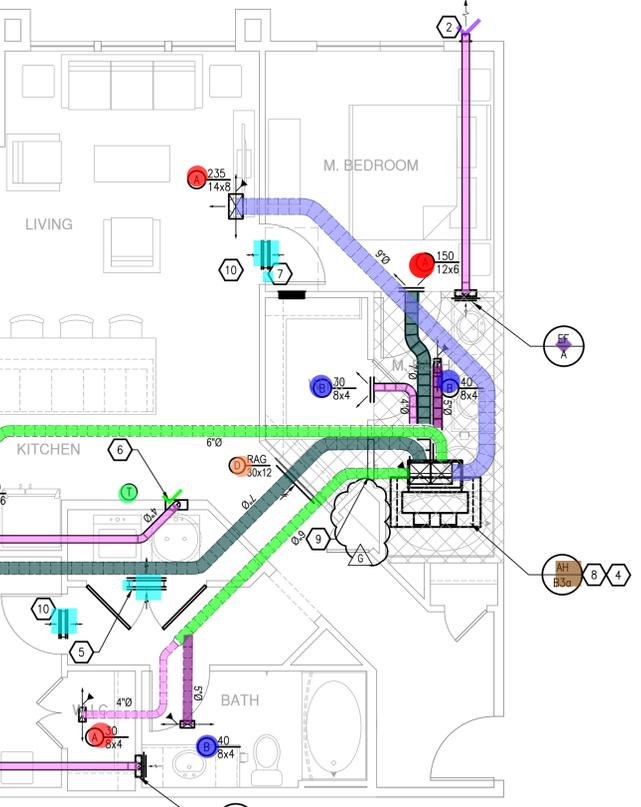
Legend		
Description	Quantity	Unit
4" Dia. Duct	270.02	ft
5" Dia. Duct	4.22	ft
5" Dia. Duct	34.03	ft
6" Dia. Duct	197.89	ft
7" Dia. Duct	14.61	ft
7" Dia. Duct	160.61	ft
9" Dia. Duct	114.71	ft
A - Stamped Supply Register	23	Count
AH/B1a - Split System Cooling Units	1	Count
AH/B2 - Split System Cooling Units	1	Count
AH/B3a - Split System Cooling Units	2	Count
B - Stamped Supply Register	11	Count
D - Stamped Return Grille	4	Count
Dryer Vent Box	4	Count
E - Grille	21	Count
EF - A - Exhaust Fan	8	Count
OAF - A - Exhaust Fan	1	Count
Thermostat	4	Count
Wall Cap	17	Count

- GENERAL NOTES: (APPLY TO THIS SHEET ONLY)**
- MECHANICAL CONTRACTOR SHALL COORDINATE WASHER BOX, ELECTRICAL RECEPTACLE, DRYER VENT BOX, ETC. BEHIND WASHER/DRYERS WITH PLUMBING AND ELECTRICAL DISCIPLINES PRIOR TO CONSTRUCTION.
 - COORDINATE ALL WALL CAP AND SOFFIT VENT LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL COORDINATE DUCTWORK ROUTING THROUGH 18-INCH DEEP OPEN WEB STRUCTURE AND ATTIC SPACE TO AVOID STRUCTURAL AND ARCHITECTURAL CONFLICTS.
 - ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACKDRAFT DAMPERS. TOILET EXHAUST SHALL INCLUDE INSECT SCREEN.
 - GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL WOOD TRUSSES INSTALLED ABOVE VERTICAL AIR HANDLING UNITS TO AVOID HVAC AND STRUCTURAL CONFLICTS. HVAC WILL HAVE A SUPPLY DUCT DISCHARGE PLENUM THAT MUST EXTEND BETWEEN OPEN WEB JOISTS/TRUSSES.
 - MAINTAIN A MINIMUM OF 3'-0" BETWEEN ALL OPERABLE BUILDING OPENINGS AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT IN BATHROOMS WITH PLUMBING.
 - COORDINATE ALL TOILET EXHAUST FANS WITH WALL CABINETS AND MEDICINE CABINETS. FANS LOCATED AT WALL ADJACENT TO TOILETS SHALL BE MOUNTED A MINIMUM OF 14-INCH AWAY FROM THE WALL THE TOILET IS MOUNTED TO AVOID CONFLICT WITH THE CABINET OVER THE TOILET.
 - COORDINATE ALL T-STAT LOCATIONS WITH GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION. MOUNT T-STAT 8" FROM CORNER OR END OF WALL.
 - CONTRACTOR TO ROUTE TOP LEVEL TOILET AND DRYER EXHAUSTS DOWN TO CEILING TRUSS SPACE OF BELOW FLOOR.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - THE LAST 10'-0" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - ROUTE TOILET EXHAUST AND DRYER DUCTWORK THROUGH OPEN WEB STRUCTURE.
 - BEDROOM DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.

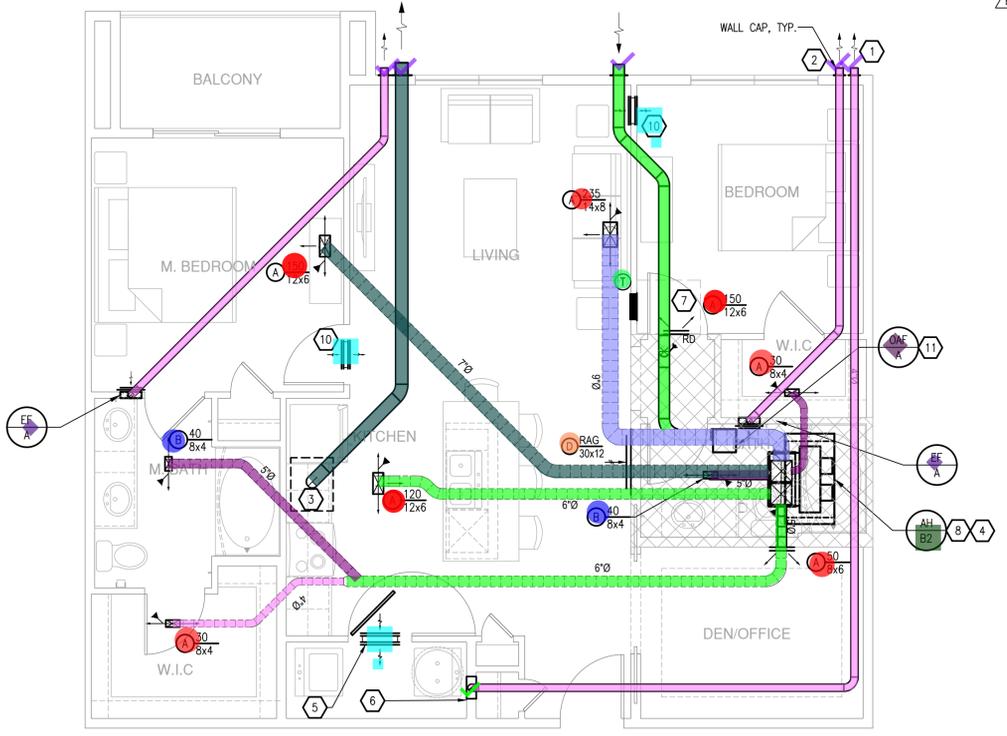
- KEYED NOTES (APPLIES TO THIS SHEET ONLY)**
- ROUTE 4" DRYER EXHAUST VENT FROM DRYER VENT BOX INTO STRUCTURE. ROUTE 4" DRYER EXHAUST DUCT WITHIN STRUCTURE TO EXTERIOR WALL CAP OR SOFFIT VENT. COORDINATE WITH ARCHITECT EXTERIOR WALL LOUVER LOCATION.
 - 4" BATH EXHAUST ROUTED TO EXTERIOR WALL CAP. COORDINATE WITH ARCHITECT. EXTERIOR WALL LOUVER LOCATION.
 - RANGE HOODS ARE VENTED TO EXTERIOR FOR ALL RANGE HOOD EQUIPMENT IS PROVIDED (BY OTHERS).
 - ROUTE PRIMARY 3/4" CONDENSATE TO NEAREST HUB DRAIN IN HVAC CLOSET. REFER TO PLUMBING FOR EXACT LOCATION. PROVIDE FLOAT SAFE-T SWITCH FOR SECONDARY CONDENSATE.
 - LAUNDRY DRIVER MAKE UP AIR THROUGH TRANSFER DUCT WITH (2) TYPE 'E' 18x10 TRANSFER GRILLES LOCATED ON EACH SIDE OF WALL. 1" UNDERCUT FOR DRYER MAKEUP AIR TO ALLOW 120 SQ. INCHES OF FREE AREA.
 - DRYER VENT BOX. REFER TO MECHANICAL DETAILS ON M0.03.
 - ELECTRICAL PANELS SHOWN FOR REFERENCE. REFER TO ELECTRICAL DRAWINGS. CONTRACTOR TO AVOID ANY DUCTWORK OVER ELECTRICAL PANEL.
 - ROUTE 12x12 SA DUCT UP INTO STRUCTURE WITH CRD DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
 - PROVIDE TRANSFER OPENING ABOVE FURRDOWN CEILING WITH 2.0 SQUARE FEET FREE AREA MINIMUM.
 - BEDROOM HI-LOW TRANSFER THROUGH TRANSFER DUCT WITH 18x10 TYPE 'E' GRILLES ON EACH SIDE OF WALL.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL INTAKE AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.

- FURRDOWN LEGEND**
- 14" INSIDE CLEAR PLENUM RATED FURRDOWN. BOX OUT OPENINGS WITH DRYWALL TO MAINTAIN FIRE RATING. REFER TO IMC SECTION 602.2.1. (BY OTHERS)
 - NON-RATED ARCHITECTURAL 14" CLEAR FURRDOWN. REFER TO ARCHITECTURAL PLANS.

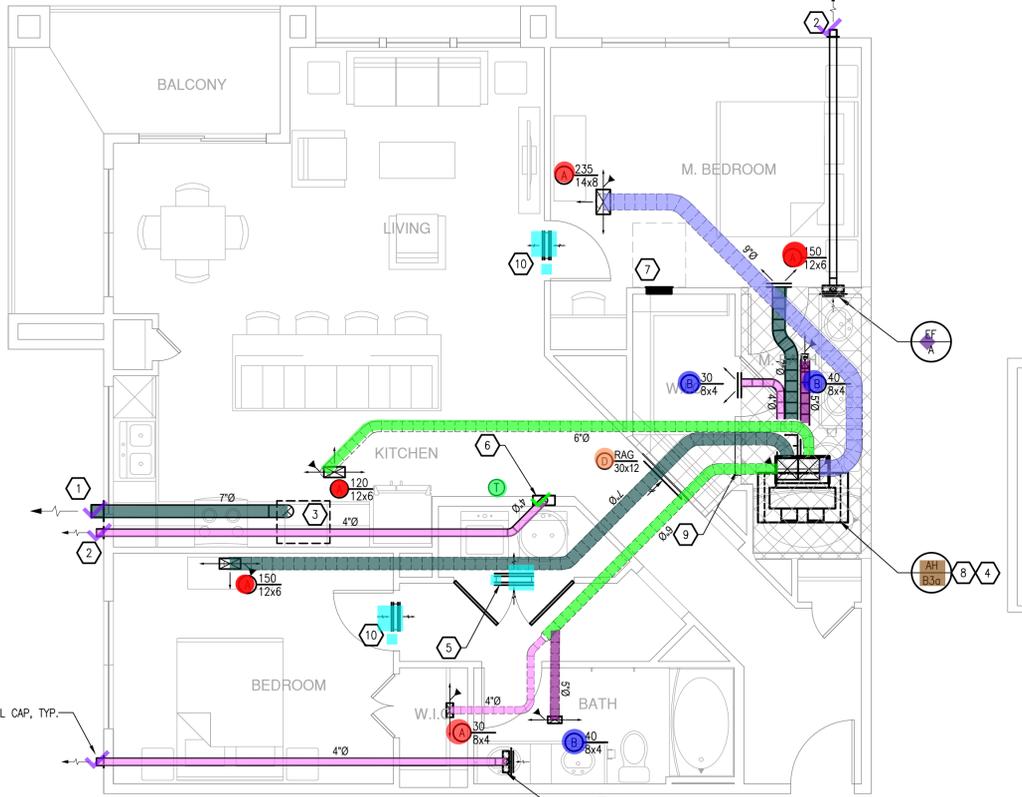
- DUCTWORK LEGEND:**
- FLEX DUCTWORK LOCATED WITHIN PLENUM.
 - FLEX DUCTWORK LOCATED WITHIN TRUSSES.



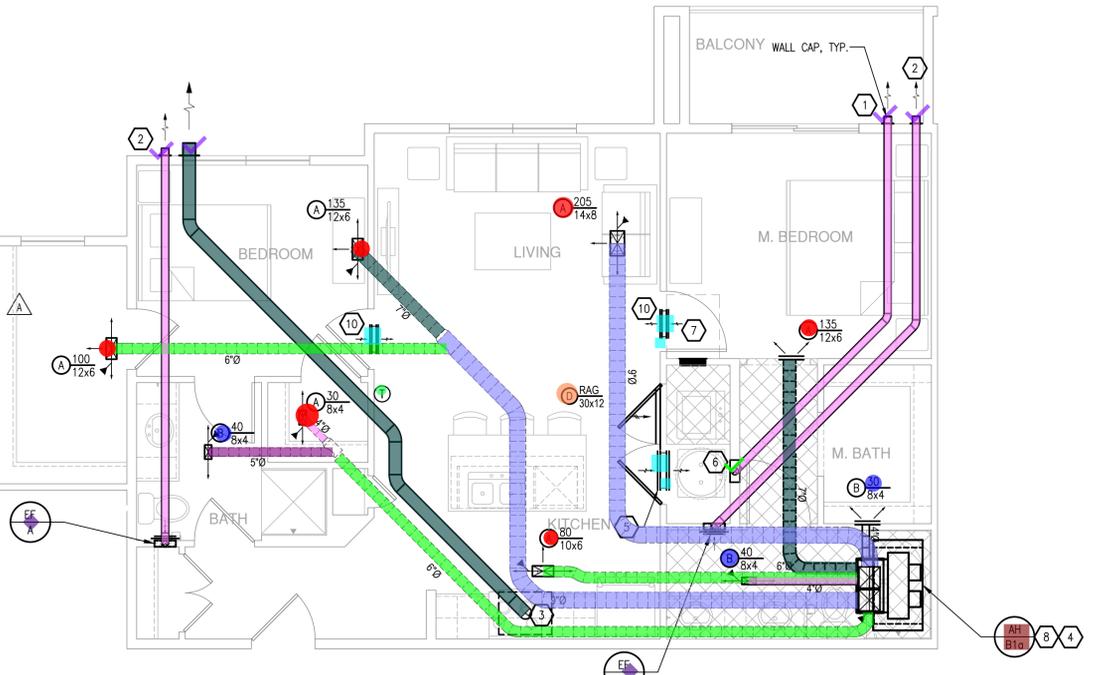
3 UNIT B3
SCALE: 1/4" = 1'-0"
SIM: B3-ALT3 & B3-ALT6



2 UNIT B2
SCALE: 1/4" = 1'-0"
SIM: B2-ALT1

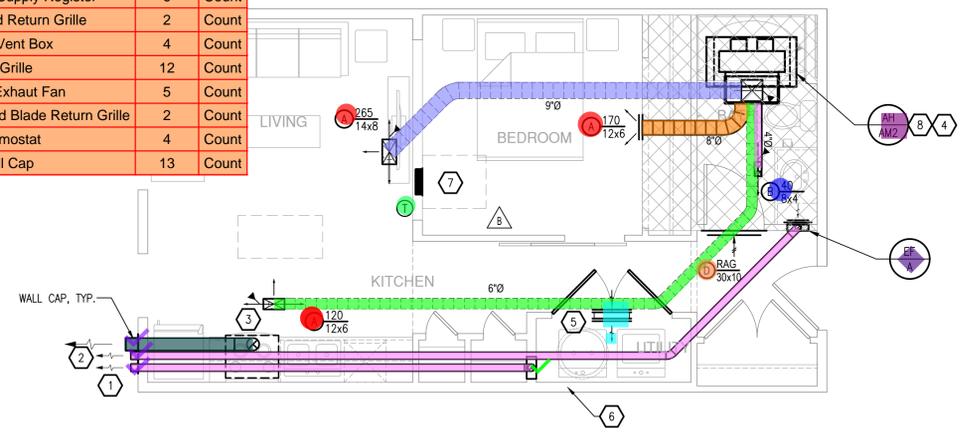


1 UNIT B3 ALT2
SCALE: 1/4" = 1'-0"

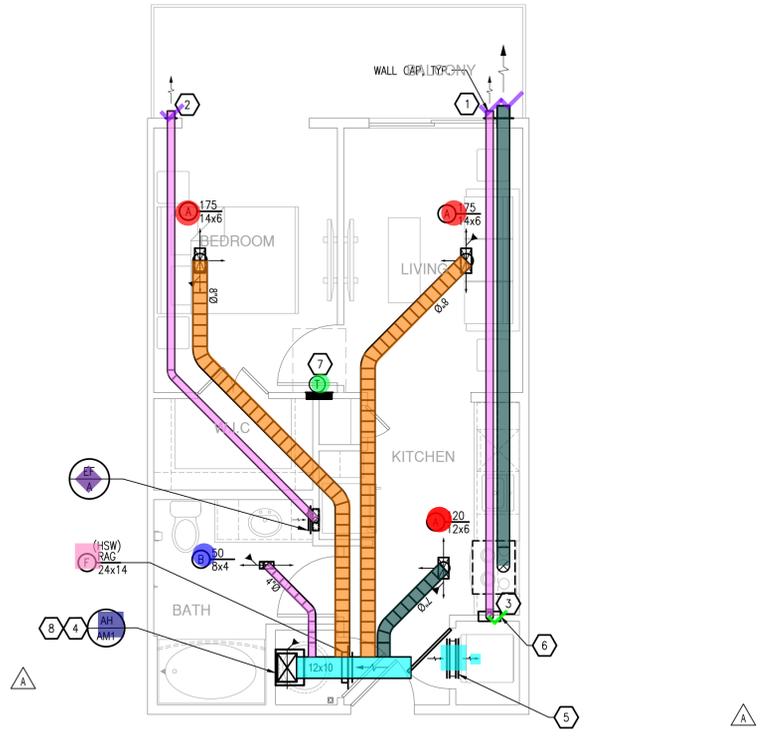


1 UNIT B1-ALT6
SCALE: 1/4" = 1'-0"

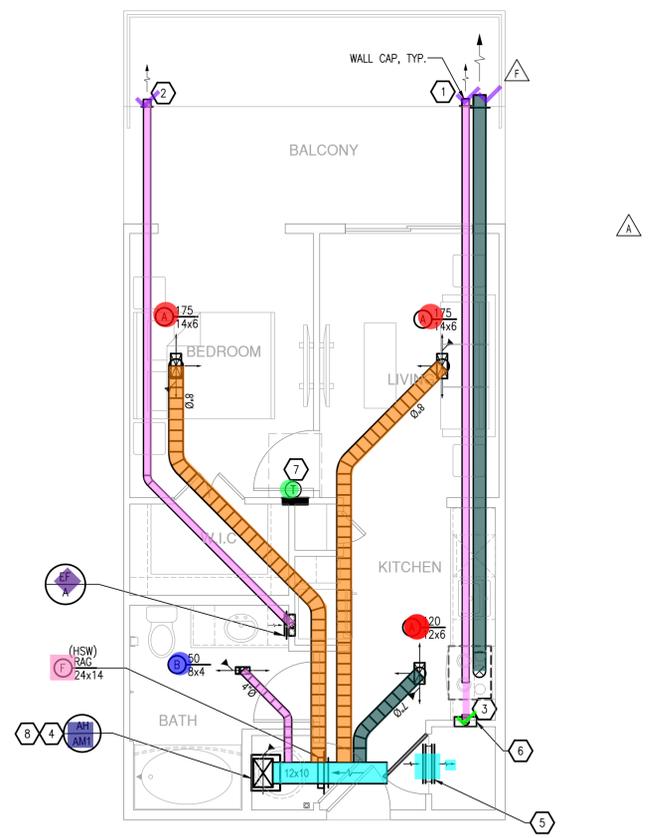
Legend		
Description	Quantity	Unit
4" Dia. Duct	230.83	ft
5" Dia. Duct	7.16	ft
6" Dia. Duct	68.18	ft
7" Dia. Duct	110.06	ft
8" Dia. Duct	89.07	ft
9" Dia. Duct	42.81	ft
12X10 Duct	10.76	ft
A - Stamped Supply Register	14	Count
AH/AM1 - Split System Cooling Units	2	Count
AH/AM2 - Split System Cooling Units	1	Count
AH/B3a - Split System Cooling Units	1	Count
B - Stamped Supply Register	6	Count
D - Stamped Return Grille	2	Count
Dryer Vent Box	4	Count
E - Grille	12	Count
EF - A - Exhaust Fan	5	Count
F - 35 Degree Fixed Blade Return Grille	2	Count
Thermostat	4	Count
Wall Cap	13	Count



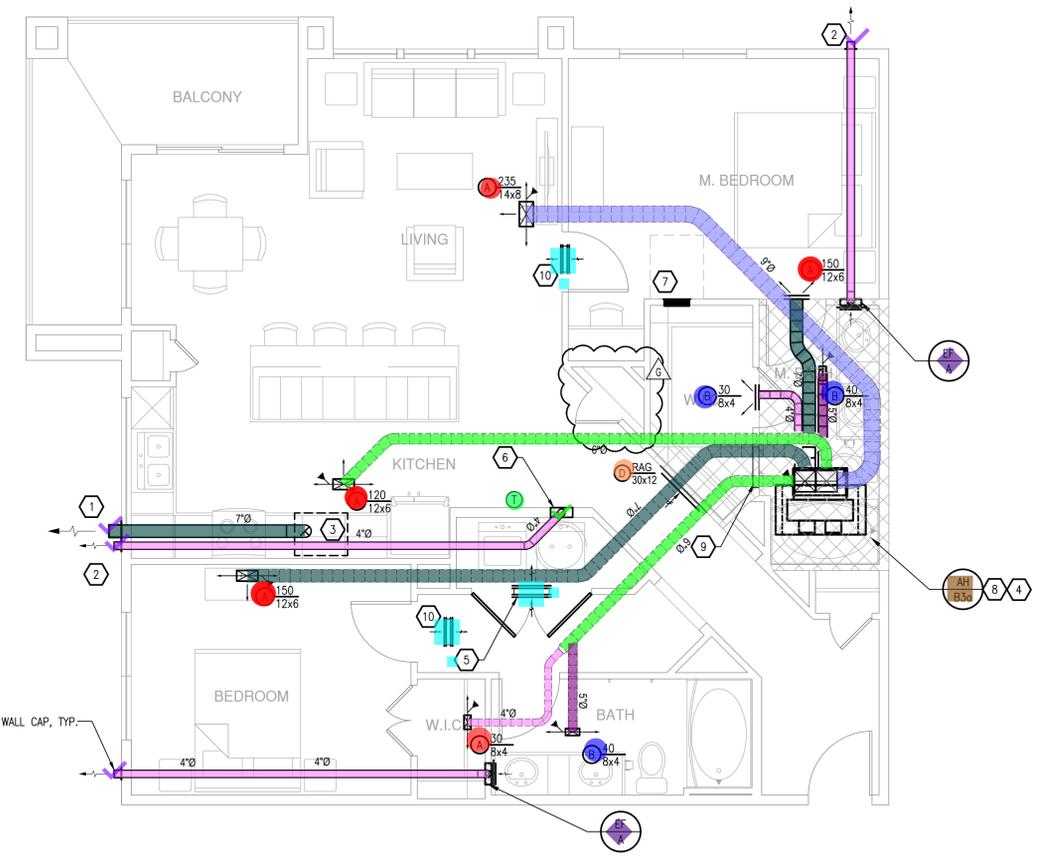
4 UNIT A-M2
SCALE: 1/4" = 1'-0" SIM: A-M2-ALT1



2 UNIT A-M1
SCALE: 1/4" = 1'-0"



3 UNIT A-M1-ALT1
SCALE: 1/4" = 1'-0"



1 UNIT B3-ALT1
SCALE: 1/4" = 1'-0" SIM: B3-ALT4 & B3-ALT5

- GENERAL NOTES: (APPLY TO THIS SHEET ONLY)**
- MECHANICAL CONTRACTOR SHALL COORDINATE WASHER BOX, ELECTRICAL RECEPTACLE, DRYER VENT BOX, ETC. BEHIND WASHER/DRYERS WITH PLUMBING AND ELECTRICAL DISCIPLINES PRIOR TO CONSTRUCTION.
 - COORDINATE ALL WALL CAP AND SOFFIT VENT LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL COORDINATE DUCTWORK ROUTING THROUGH 18-INCH DEEP OPEN WEB STRUCTURE AND ATTIC SPACE TO AVOID STRUCTURAL AND ARCHITECTURAL CONFLICTS.
 - ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACKDRAFT DAMPERS. TOILET EXHAUST SHALL INCLUDE INSECT SCREEN.
 - GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL WOOD TRUSSES INSTALLED ABOVE VERTICAL AIR HANDLING UNITS TO AVOID HVAC AND STRUCTURAL CONFLICTS. HVAC WILL HAVE A SUPPLY DUCT DISCHARGE PLENUM THAT MUST EXTEND BETWEEN OPEN WEB JOISTS/TRUSSES.
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 - MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT IN BATHROOMS WITH PLUMBING.
 - COORDINATE ALL TOILET EXHAUST FANS WITH WALL CABINETS AND MEDICINE CABINETS. FANS LOCATED AT WALL ADJACENT TO TOILETS SHALL BE MOUNTED A MINIMUM OF 14-INCH AWAY FROM THE WALL. THE TOILET IS MOUNTED TO AVOID CONFLICT WITH THE CABINET OVER THE TOILET.
 - COORDINATE ALL T-STAT LOCATIONS WITH GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION. MOUNT T-STAT 8" FROM CORNER OR END OF WALL.
 - CONTRACTOR TO ROUTE TOP LEVEL TOILET AND DRYER EXHAUSTS DOWN TO CEILING TRUSS SPACE OF BELOW FLOOR.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - THE LAST 10'-0" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - ROUTE TOILET EXHAUST AND DRYER DUCTWORK THROUGH OPEN WEB STRUCTURE.
 - BEDROOM DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.

- KEYED NOTES (APPLIES TO THIS SHEET ONLY)**
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 - 4" BATH EXHAUST ROUTED TO EXTERIOR WALL CAP. COORDINATE WITH ARCHITECT. EXTERIOR WALL LOUVER LOCATION.
 - RANGE HOODS ARE VENTED TO EXTERIOR FOR ALL RANGE HOOD EQUIPMENT IS PROVIDED (BY OTHERS).
 - ROUTE PRIMARY 3/4" CONDENSATE TO NEAREST HUB DRAIN IN HVAC CLOSET. REFER TO PLUMBING FOR EXACT LOCATION. PROVIDE FLOAT SAFE-T SWITCH FOR SECONDARY CONDENSATE.
 - LAUNDRY DRYER MAKE UP AIR THROUGH TRANSFER DUCT WITH (2) TYPE 'E' 18x10 TRANSFER GRILLES LOCATED ON ON EACH SIDE OF WALL. 1" UNDERCUT FOR DRYER MAKEUP AIR TO ALLOW 120 SQ. INCHES OF FREE AREA.
 - DRYER VENT BOX. REFER TO MECHANICAL DETAILS ON M003.
 - ELECTRICAL PANELS SHOWN FOR REFERENCE. REFER TO ELECTRICAL DRAWINGS. CONTRACTOR TO AVOID ANY DUCTWORK OVER ELECTRICAL PANEL.
 - ROUTE 12x12 SA DUCT UP INTO STRUCTURE WITH CRD DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
 - PROVIDE TRANSFER OPENING ABOVE FURRDOWN CEILING WITH 2.0 SQUARE FEET FREE AREA MINIMUM.
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- FURRDOWN LEGEND**
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 - NON-RATED ARCHITECTURAL 14" CLEAR FURRDOWN. REFER TO ARCHITECTURAL PLANS.

- DUCTWORK LEGEND:**
- FLEX DUCTWORK LOCATED WITHIN PLENUM.
 - FLEX DUCTWORK LOCATED WITHIN TRUSSES.

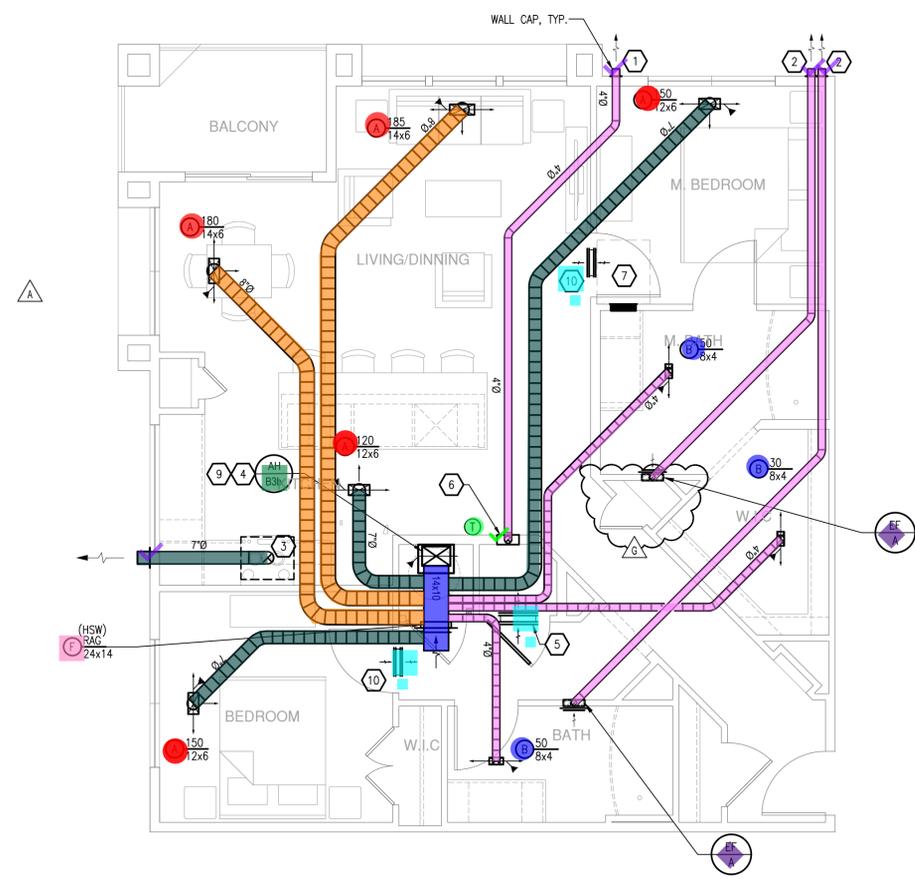
SHEET TITLE
UNIT PLANS -
MECHANICAL

SHEET NUMBER

M3.05

ISSUED FOR CONSTRUCTION

Legend		
Description	Quantity	Unit
4" Dia. Duct	237.31	ft
5" Dia. Duct	7.16	ft
6" Dia. Duct	38.79	ft
7" Dia. Duct	126.62	ft
8" Dia. Duct	94.63	ft
9" Dia. Duct	25.05	ft
12X10 Duct	5.38	ft
14X10 Duct	3.98	ft
A - Stamped Supply Register	13	Count
AH/AM3 - Split System Cooling Units	1	Count
AH/B3a - Split System Cooling Units	1	Count
AH/B3b - Split System Cooling Units	1	Count
B - Stamped Supply Register	7	Count
D - Stamped Return Grille	1	Count
Dryer Vent Box	3	Count
E - Grille	14	Count
EF - A - Exhaust Fan	5	Count
F - 35 Degree Fixed Blade Return Grille	2	Count
Thermostat	3	Count
Wall Cap	11	Count



- GENERAL NOTES: (APPLY TO THIS SHEET ONLY)**
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 - COORDINATE ALL T-STAT LOCATIONS WITH GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION. MOUNT T-STAT 6" FROM CORNER OR END OF WALL.
 - CONTRACTOR TO ROUTE TOP LEVEL TOILET AND DRYER EXHAUSTS DOWN TO CEILING TRUSS SPACE OF BELOW FLOOR.
 - MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - THE LAST 10'-0" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - ROUTE TOILET EXHAUST AND DRYER DUCTWORK THROUGH OPEN WEB STRUCTURE.
 - BEDROOM DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.

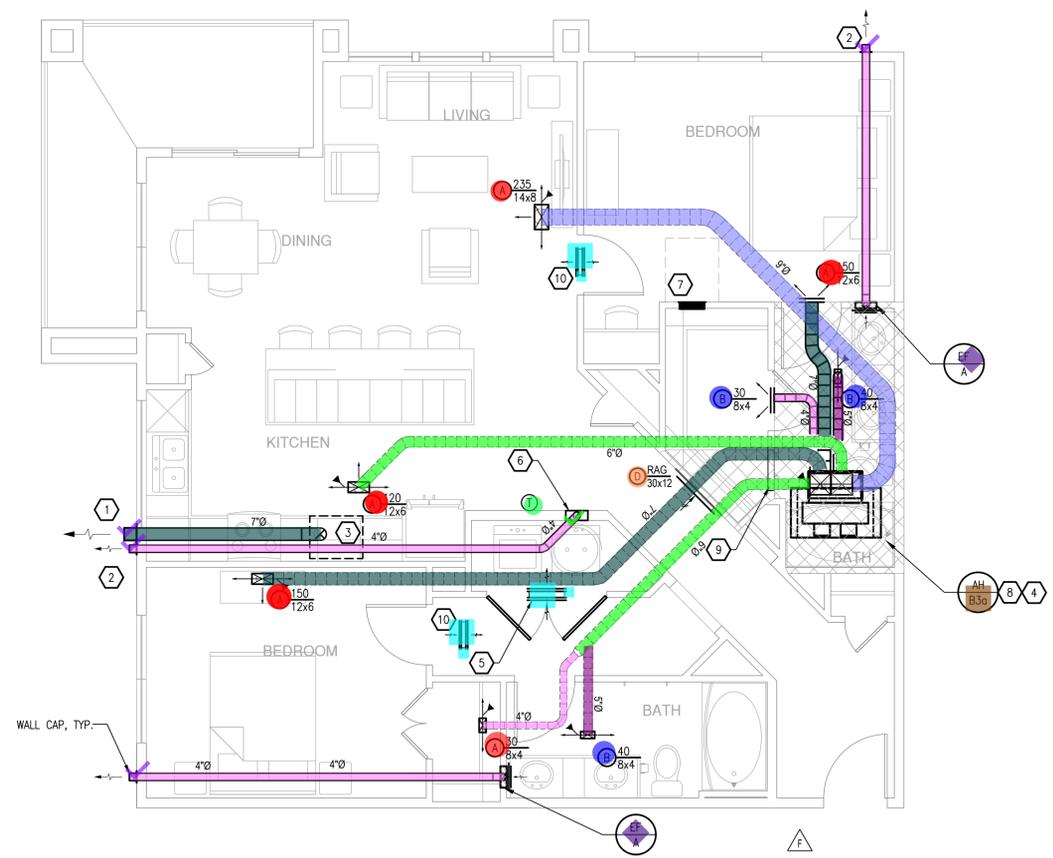
- KEYED NOTES (APPLIES TO THIS SHEET ONLY)**
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 - ROUTE PRIMARY 3/4" CONDENSATE TO NEAREST HUB DRAIN IN HVAC CLOSET. REFER TO PLUMBING FOR EXACT LOCATION. PROVIDE FLOAT SAFE-T SWITCH FOR SECONDARY CONDENSATE.
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 - DRYER VENT BOX. REFER TO MECHANICAL DETAILS ON M003.
 - ELECTRICAL PANELS SHOWN FOR REFERENCE. REFER TO ELECTRICAL DRAWINGS. CONTRACTOR TO AVOID ANY DUCTWORK OVER ELECTRICAL PANEL.
 - ROUTE 12x12 SA DUCT UP INTO STRUCTURE WITH CRD DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
 - PROVIDE TRANSFER OPENING ABOVE FURRDOWN CEILING WITH 2.0 SQUARE FEET FREE AREA MINIMUM.
 - BEDROOM HI-LOW TRANSFER THROUGH TRANSFER DUCT WITH 18x10 TYPE 'E' GRILLES ON EACH SIDE OF WALL.

FURRDOWN LEGEND

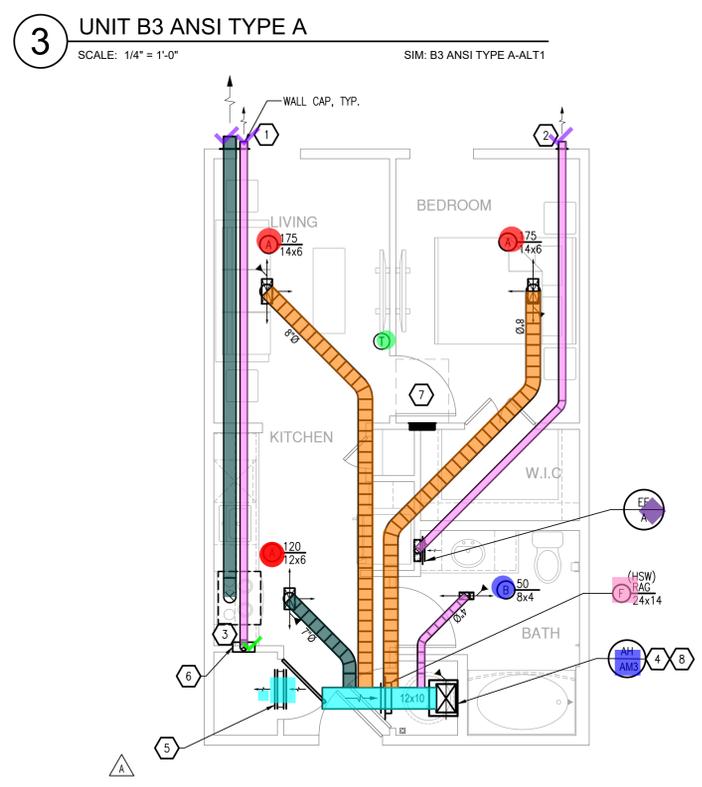
	14" INSIDE CLEAR PLENUM RATED FURRDOWN. BOX OUT OPENINGS WITH DRYWALL TO MAINTAIN FIRE RATING. REFER TO IMC SECTION 602.2.1. (BY OTHERS)
	NON-RATED ARCHITECTURAL 14" CLEAR FURRDOWN. REFER TO ARCHITECTURAL PLANS.

DUCTWORK LEGEND:

	FLEX DUCTWORK LOCATED WITHIN PLENUM.
	FLEX DUCTWORK LOCATED WITHIN TRUSSES.



2 UNIT B3 ALT-1 UNDER ROOF GARDEN
SCALE: 1/4" = 1'-0"



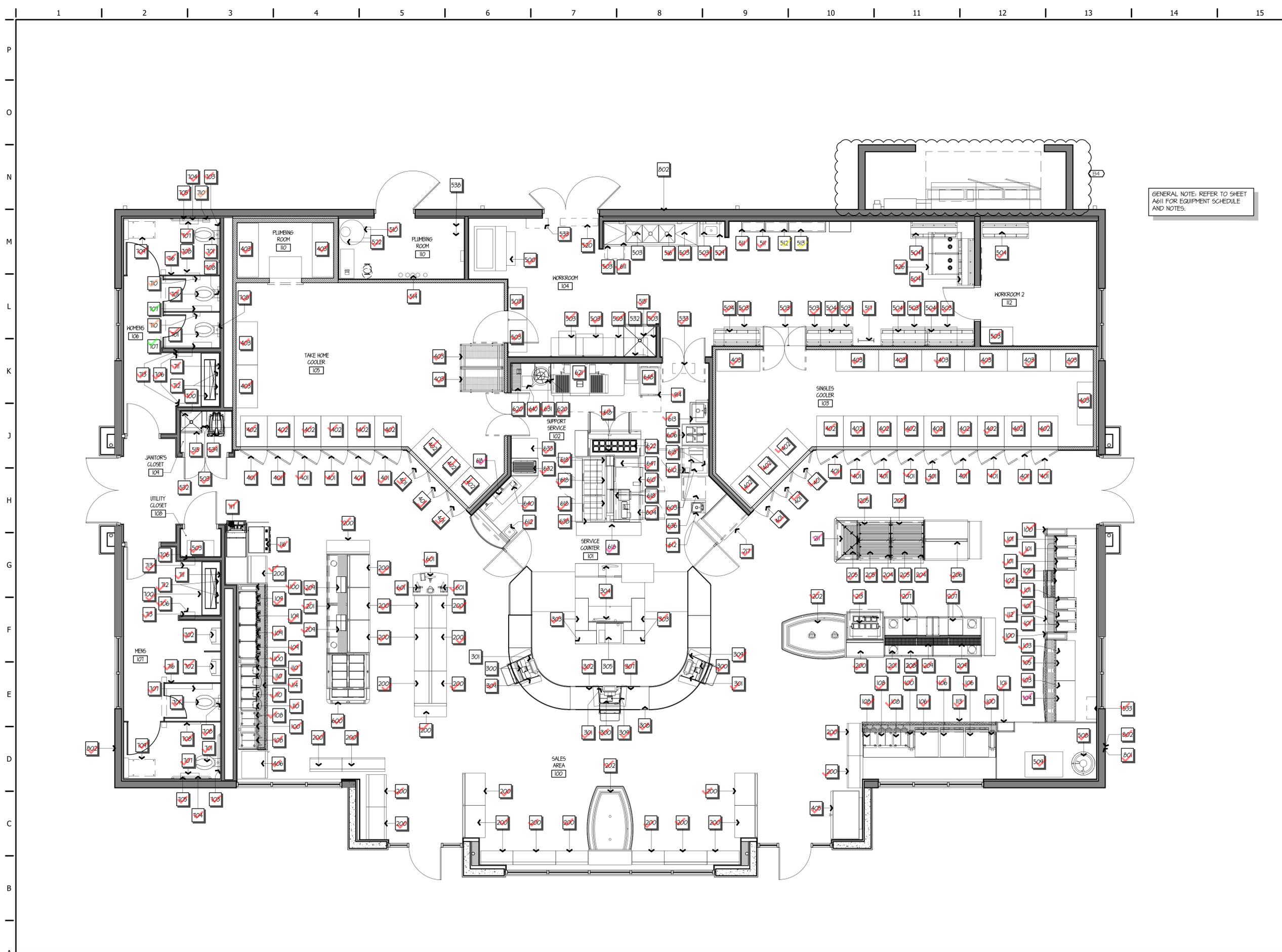
1 UNIT A-M3
SCALE: 1/4" = 1'-0"

SHEET TITLE
UNIT PLANS-
MECHANICAL

SHEET NUMBER

M3.06

ISSUED FOR CONSTRUCTION



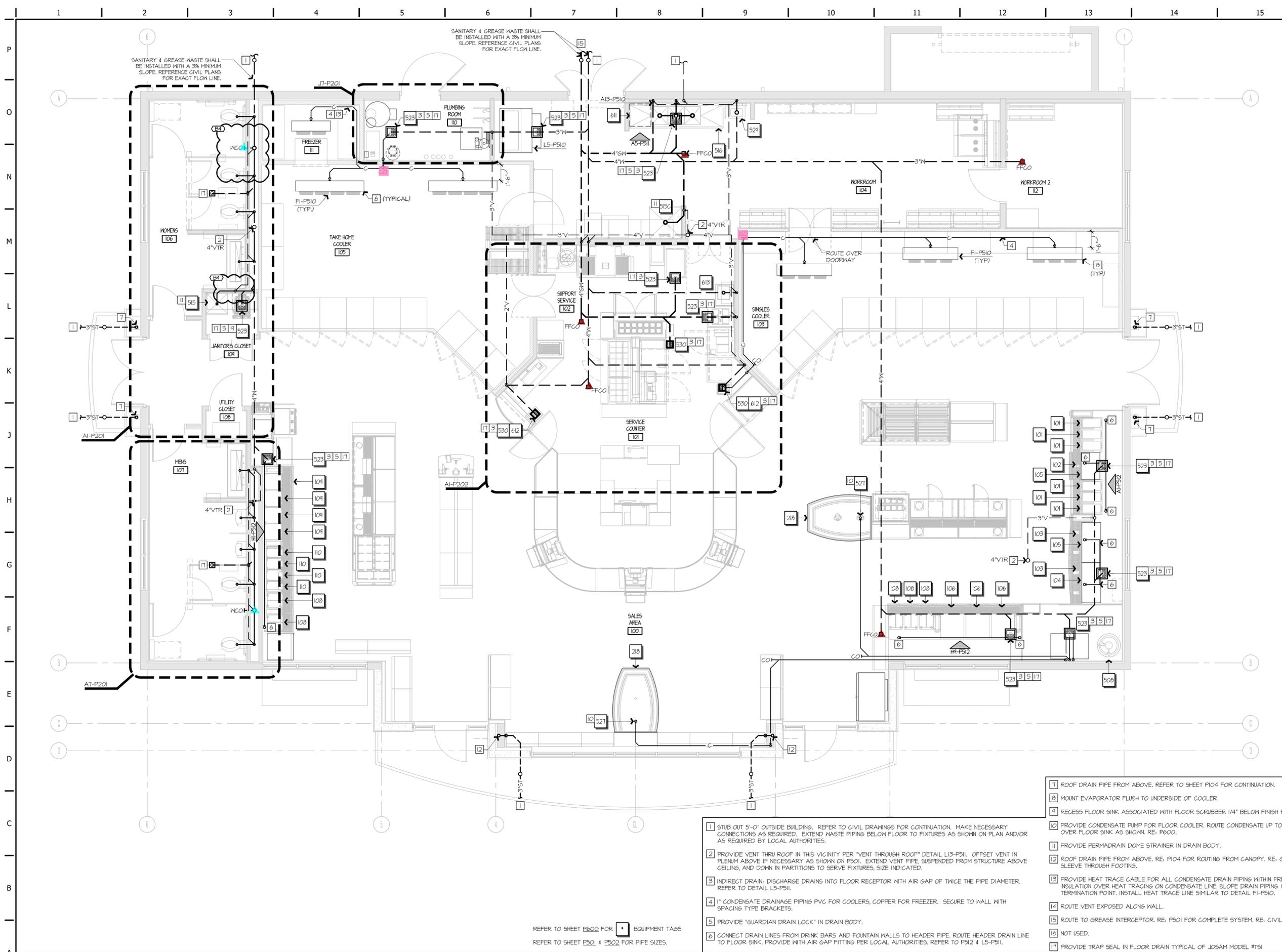
GENERAL NOTE: REFER TO SHEET A611 FOR EQUIPMENT SCHEDULE AND NOTES.

Label	Legend
✓ 100 CUP DISPENSER	
✓ 101 BREWED TEA DISPENSE	
✓ 102 FOUNTAIN MACHINE - 8 HEAD	
✓ 103 FOUNTAIN MACHINE - 12 HEAD	
✓ 105 CRUSHED ICE MAKER - 2000LB	
✓ 106 FREEZONI MACHINE	
✓ 108 SMOOTHIE MACHINE	
✓ 109 COFFEE MACHINE	
✓ 110 CAPPUCCINO MACHINE	
✓ 112 FOUNTAIN WALL	
✓ 113 FROZEN BAR	
✓ 114 COFFEE BAR	
✓ 117 ATM	
✓ 200 SALES FLOOR SHELVING	
✓ 201 LID BAR	
✓ 202 FLOOR COOLER	
✓ 205 ROLLER GRILL	
✓ 206 CONDIMENT RACK	
✓ 207 MICROWAVE - SELF	
✓ 208 CHILI & CHEESE MACHINE	
✓ 209 LID RACK	
✓ 213 COLD BAR	
✓ 217 5 TIER HOT DISPLAY	
✓ 300 POS	
✓ 403 SHELVING - COOLER BACK STOCK	
✓ 500 ICE BAGGER	
✓ 503 SHELVING - OVERHEAD	
✓ 504 BAG-N-BOX RACK	
✓ 508 CO2 TANK	
✓ 509 MULTIPLEX	
✓ 510 HOT WATER HEATER	
✓ 511 ELECTRICAL PANELS	
✓ 512 LOW VOLTAGE CABINET	
✓ 513 UPS	
✓ 514 WATER FILTRATION SYSTEM	
✓ 515 JANITOR'S SINK WITH FAUCET	
✓ 516 3-COMPARTMENT SINK WITH FAUCET	
✓ 517 ROOF LADDER	
✓ 520 AIR DOOR	
✓ 522 EXPANSION TANK	
✓ 526 SECURITY CABINET	
✓ 529 ADA HANDSINK WITH FAUCET	
✓ 532 MOP/BROOM HOLDER	
✓ 533 LARGE BUG LIGHT	
✓ 539 FLOOR SCRUBBER	
✓ 600 PASTRY CASE	
✓ 601 CUSTOM ORDER MACHINE	
✓ 606 ICE CREAM MACHINE	
✓ 610 UNDER COUNTER REFRIGERATOR	
✓ 611 DISHWASHER	
✓ 612 HANDSINK WITH FAUCET	
✓ 613 DUMP SINK	
✓ 618 LED SCREEN	
✓ 618 LED SCREEN	
✓ 620 WIRE RACK	
✓ 621 IMPINGER OVEN	
✓ 622 COLD PREP TABLE	
✓ 631 PIZZA BOX CABINET	
✓ 632 SUB OVEN	
✓ 633 BREAD BOX	
✓ 638 SUB COLD BAR (PREP TABLE)	
✓ 640 STICKER PRINTER	

A1 EQUIPMENT PLAN

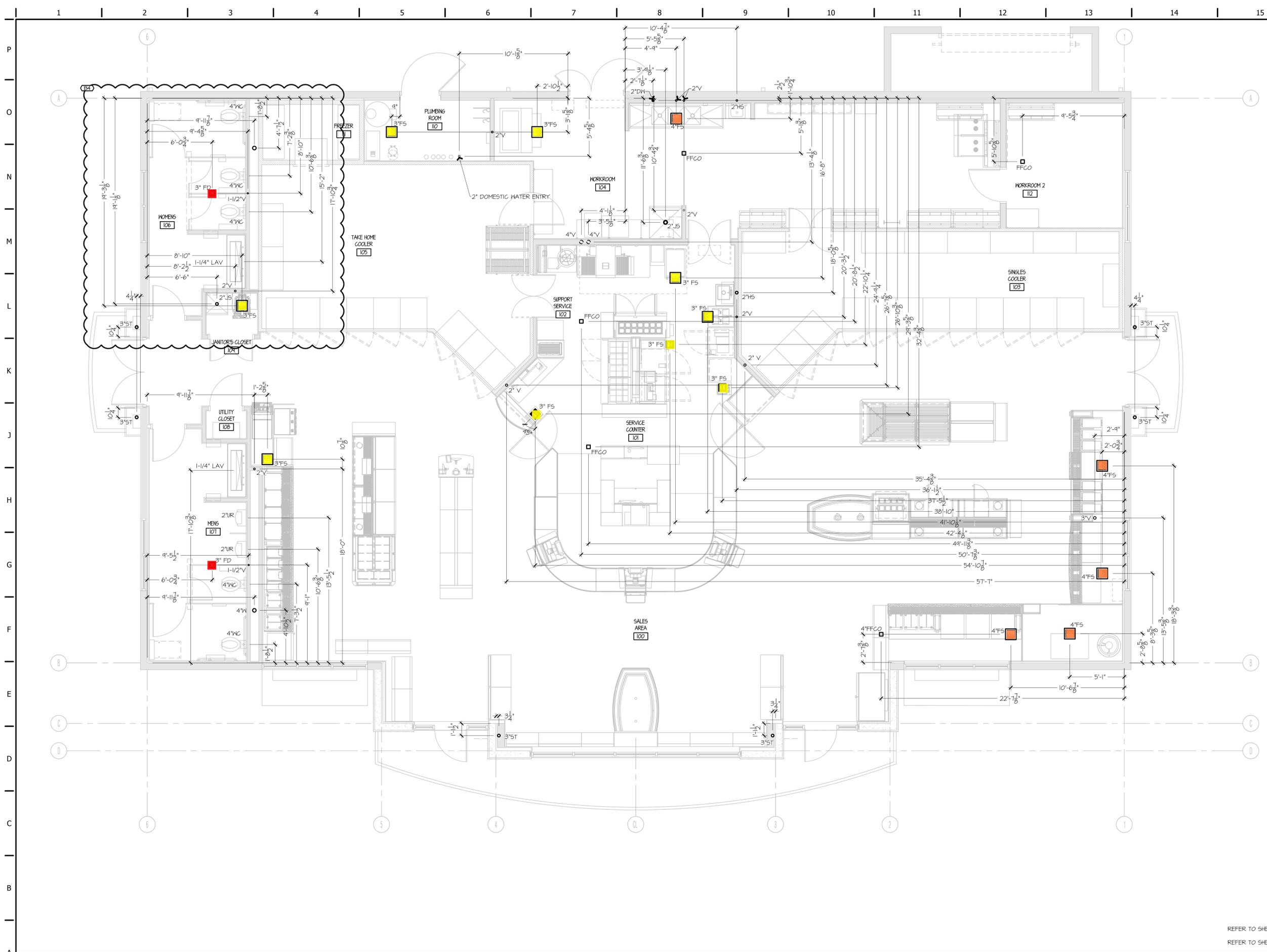
1/4" = 1'-0"

Legend			
Label	Quantity	Unit	
	Cleanout	2	Count
	Flush Floor Cleanout	5	Count
	WCO - Wall Cleanout	2	Count



- 1 STUB OUT 5'-0" OUTSIDE BUILDING. REFER TO CIVIL DRAWINGS FOR CONTINUATION. MAKE NECESSARY CONNECTIONS AS REQUIRED. EXTEND WASTE PIPING BELOW FLOOR TO FIXTURES AS SHOWN ON PLAN AND/OR AS REQUIRED BY LOCAL AUTHORITIES.
- 2 PROVIDE VENT THRU ROOF IN THIS VICINITY PER "VENT THROUGH ROOF" DETAIL L13-PS11. OFFSET VENT IN PLENUM ABOVE IF NECESSARY AS SHOWN ON P501. EXTEND VENT PIPE, SUSPENDED FROM STRUCTURE ABOVE CEILING, AND DOWN IN PARTITIONS TO SERVE FIXTURES, SIZE INDICATED.
- 3 INDIRECT DRAIN: DISCHARGE DRAINS INTO FLOOR RECEPTOR WITH AIR GAP OF TWICE THE PIPE DIAMETER. REFER TO DETAIL L5-PS11.
- 4 1" CONDENSATE DRAINAGE PIPING PVC FOR COOLERS, COPPER FOR FREEZER. SECURE TO WALL WITH SPACING TYPE BRACKETS.
- 5 PROVIDE "GUARDIAN DRAIN LOCK" IN DRAIN BODY.
- 6 CONNECT DRAIN LINES FROM DRINK BARS AND FOUNTAIN WALLS TO HEADER PIPE. ROUTE HEADER DRAIN LINE TO FLOOR SINK. PROVIDE WITH AIR GAP FITTING PER LOCAL AUTHORITIES. REFER TO P512 & L5-PS11.
- 7 ROOF DRAIN PIPE FROM ABOVE. REFER TO SHEET P104 FOR CONTINUATION.
- 8 MOUNT EVAPORATOR FLUSH TO UNDERSIDE OF COOLER.
- 9 RECESS FLOOR SINK ASSOCIATED WITH FLOOR SCRUBBER 1/4" BELOW FINISH FLOOR. RE: L7-A410.
- 10 PROVIDE CONDENSATE PUMP FOR FLOOR COOLER. ROUTE CONDENSATE UP TO CEILING TO INDIRECT WASTE OVER FLOOR SINK AS SHOWN, RE: P600.
- 11 PROVIDE PERMADRAIN DOME STRAINER IN DRAIN BODY.
- 12 ROOF DRAIN PIPE FROM ABOVE. RE: P104 FOR ROUTING FROM CANOPY. RE: 611-5501 FOR PIPING OFFSET AND SLEEVE THROUGH FOOTING.
- 13 PROVIDE HEAT TRACE CABLE FOR ALL CONDENSATE DRAIN PIPING WITHIN FREEZER. PROVIDE 1" ARMAFLEX INSULATION OVER HEAT TRACING ON CONDENSATE LINE. SLOPE DRAIN PIPING 1/8" PER FT. TOWARD TERMINATION POINT. INSTALL HEAT TRACE LINE SIMILAR TO DETAIL FI-P510.
- 14 ROUTE VENT EXPOSED ALONG WALL.
- 15 ROUTE TO GREASE INTERCEPTOR. RE: P501 FOR COMPLETE SYSTEM. RE: CIVIL FOR EXACT LOCATION.
- 16 NOT USED.
- 17 PROVIDE TRAP SEAL IN FLOOR DRAIN TYPICAL OF JOSAM MODEL #TS1

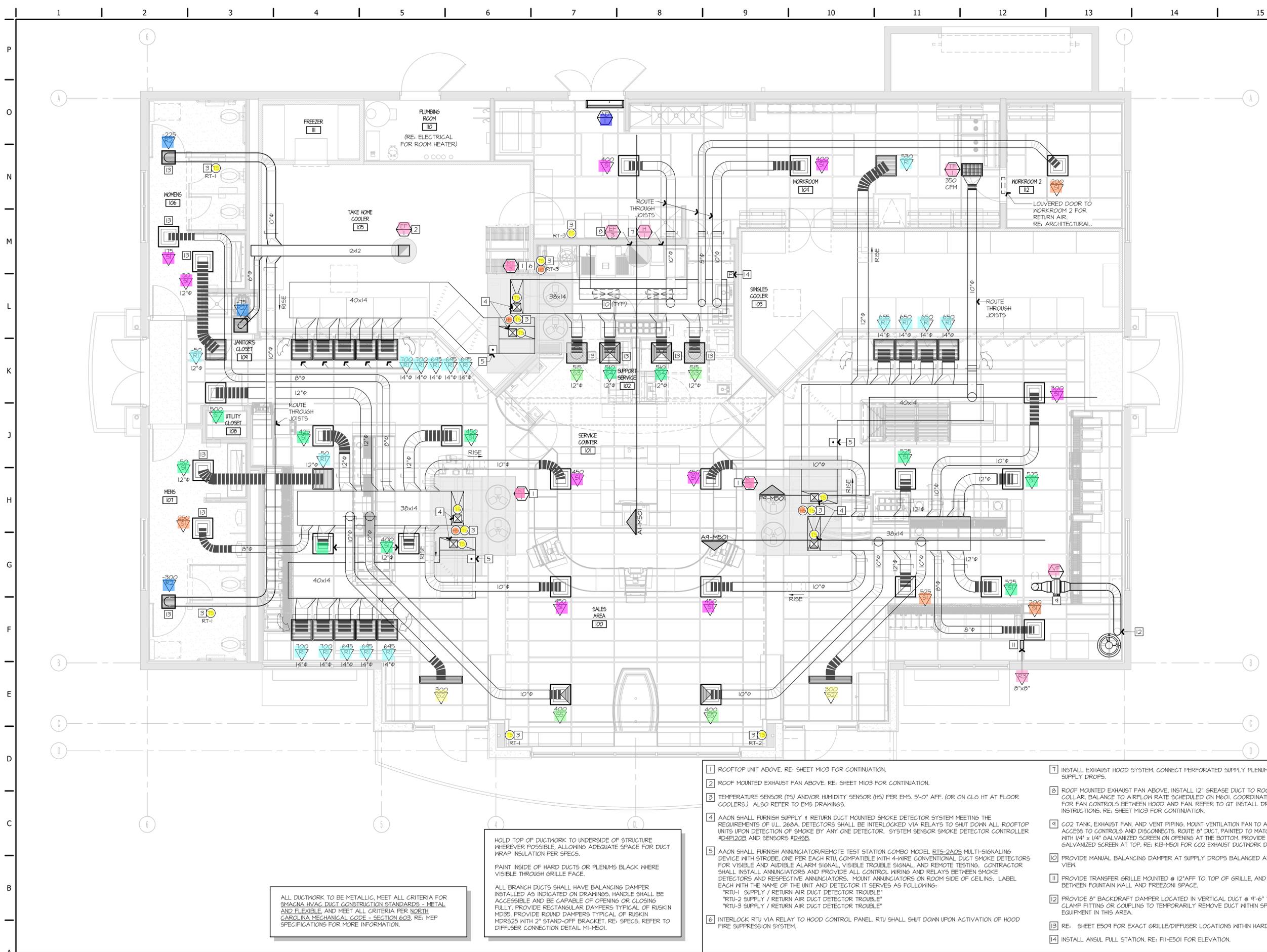
Legend		
Label	Quantity	Unit
■ 3" Floor Drain	2	Count
■ 3" Floor Sink	9	Count
■ 4" Floor Sink	5	Count



REFER TO SHEET P602 FOR E EQUIPMENT TAGS
REFER TO SHEET P501 & P502 FOR PIPE SIZES.

A1 PLUMBING SLAB ROUGH-IN FLOOR PLAN





Legend			
Label	Quantity	Unit	
	1	Count	Air Door -AD-1
	1	Count	Exhaust Fan - EF-1
	1	Count	Exhaust Fan - TF-1
	1	Count	Exhaust Fan - VF-1
	1	Count	Hood/Exhaust Fan - EF-3
	1	Count	Hood/Exhaust Fan - H-1
	4	Count	Humidity Sensor
	3	Count	R1- Return Diffuser (12" Dia)
	14	Count	R1- Return Diffuser (14" Dia)
	3	Count	R2 - Exhaust (14"x14")
	1	Count	R3 - Transfer (8"x8")
	1	Count	RT-1 - Roof Top Unit
	1	Count	RT-2 - Roof Top Unit
	1	Count	RT-3 - Roof Top Unit
	4	Count	S1- Supply Diffuser (8" Dia)
	9	Count	S1- Supply Diffuser (10" Dia)
	9	Count	S1- Supply Diffuser (12" Dia)
	2	Count	S2 - Supply Diffuser (10" Dia)
	2	Count	S3- Supply Diffuser (12" Dia)
	2	Count	S4- Supply Diffuser (12" Dia)
	2	Count	S5- Supply Diffuser (10" Dia)
	15	Count	Temperature Sensor

ALL DUCTWORK TO BE METALLIC, MEET ALL CRITERIA FOR SMAGNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, AND MEET ALL CRITERIA PER NORTH CAROLINA MECHANICAL CODE - SECTION 603. RE: MEP SPECIFICATIONS FOR MORE INFORMATION.

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 MDR55. PROVIDE ROUND DAMPERS TYPICAL OF RUSKIN MDR525 WITH 2" STAND-OFF BRACKET. RE: SPECS. REFER TO DIFFUSER CONNECTION DETAIL MI-M501.

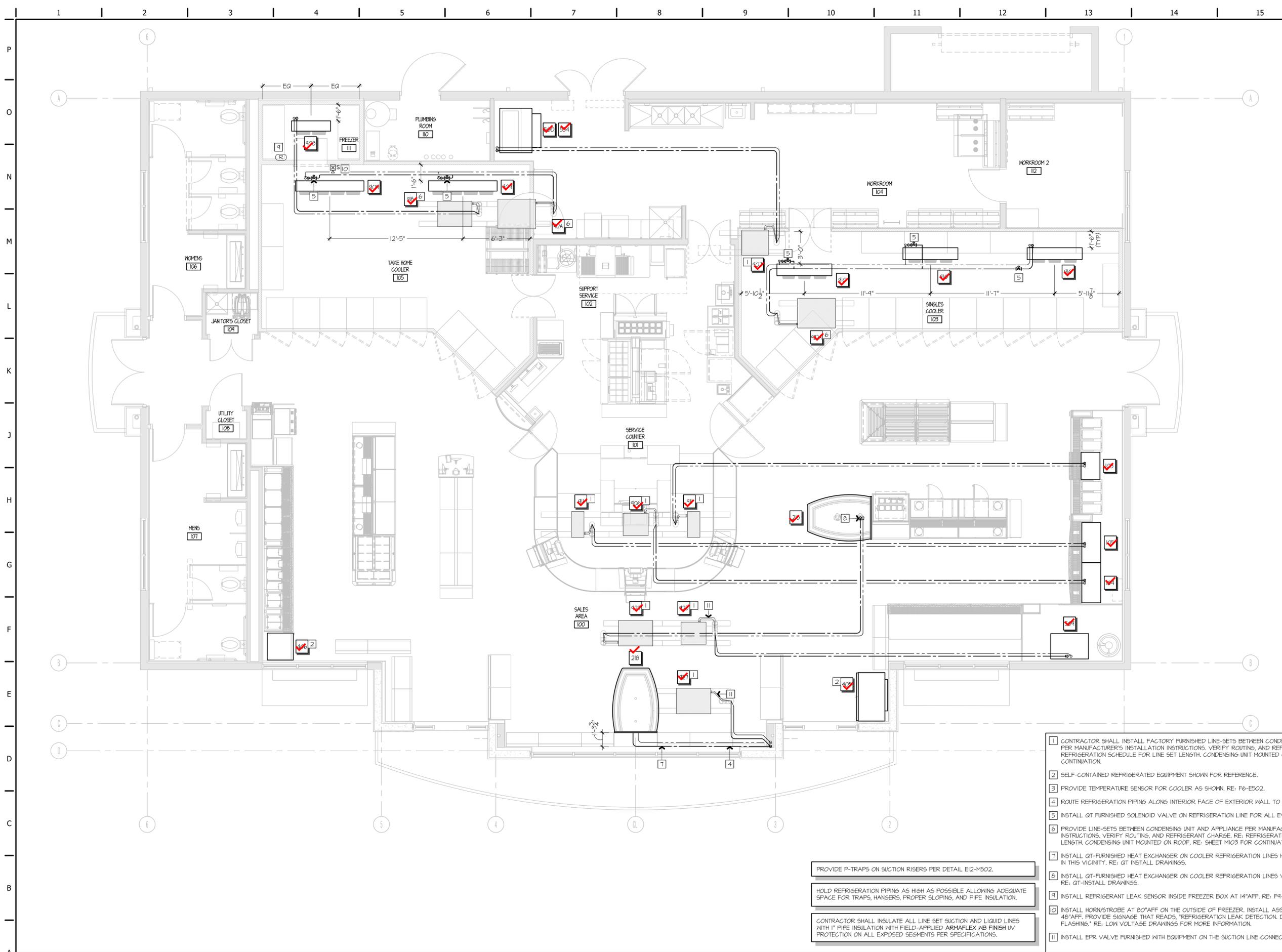
- ROOFTOP UNIT ABOVE. RE: SHEET M103 FOR CONTINUATION.
- ROOF MOUNTED EXHAUST FAN ABOVE. RE: SHEET M103 FOR CONTINUATION.
- TEMPERATURE SENSOR (TS) AND/OR HUMIDITY SENSOR (HS) PER EMS. 5'-0" AFF. (OR ON CL6 HT AT FLOOR COOLERS.) ALSO REFER TO EMS DRAWINGS.
- AAON SHALL FURNISH SUPPLY & RETURN DUCT MOUNTED 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 #D4PI2QB 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 M601. COORDINATE WITH ELECTRICAL CONTRACTOR FOR FAN CONTROLS BETWEEN HOOD AND FAN. REFER TO QT INSTALL DRAWINGS AND HOOD MANUFACTURER'S INSTRUCTIONS. RE: SHEET M103 FOR CONTINUATION.
- CO2 TANK, EXHAUST FAN, AND VENT PIPING. MOUNT VENTILATION FAN TO ALLOW FOR SALES FLOOR 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: K13-M501 FOR CO2 EXHAUST DUCTWORK DETAIL. RE: A1-M501 FOR FAN SCHEDULE.
- PROVIDE MANUAL BALANCING DAMPER AT SUPPLY DROPS BALANCED AT 575 CFM. RE: A1-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: SHEET E504 FOR EXACT 6RILLE/DIFFUSER LOCATIONS WITHIN HARD CEILINGS.
- INSTALL ANSL FULL STATION. RE: F11-E501 FOR ELEVATION.

A1 MECHANICAL DUCTWORK FLOOR PLAN

A9 PLAN NOTES

Legend	
✓	104 CUBED ICE MAKER
✓	105 CRUSHED ICE MAKER
✓	110 CAPUCCINO MACHINE
✓	500 ICE BAGGER
✓	509 MULTIPLEX
✓	534 ICE MAKER
✓	Equipment - 218
✓	Equipment - 405 ICE MERCHANDISER
✓	Equipment - 406 NOVELTY ICE CREAM FRE
✓	Equipment - 906 CUBED ICE MAKER
✓	Equipment - 907 ICE MAKER CONDENSER U
✓	Equipment - 908 WALK-IN FREEZER EVAPO
✓	Equipment - 909 TAKE HOME COOLER EVA
✓	Equipment - 910 SINGLES COOPER EVAPO
✓	Equipment - 911 CRUSHED ICE MAKER UNI
✓	Equipment - 912A
✓	Equipment - 918 WALK-IN FREEZER CONDI
✓	Equipment - 922A
✓	Equipment - 923
✓	Equipment - 927



- 1 CONTRACTOR SHALL INSTALL FACTORY FURNISHED LINE-SETS BETWEEN CONDENSING UNIT AND APPLIANCE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY ROUTING, AND REFRIGERANT CHARGE. RE: REFRIGERATION SCHEDULE FOR LINE SET LENGTH. CONDENSING UNIT MOUNTED ON ROOF. RE: SHEET M103 FOR CONTINUATION.
- 2 SELF-CONTAINED REFRIGERATED EQUIPMENT SHOWN FOR REFERENCE.
- 3 PROVIDE TEMPERATURE SENSOR FOR COOLER AS SHOWN. RE: F6-E502.
- 4 ROUTE REFRIGERATION PIPING ALONG INTERIOR FACE OF EXTERIOR WALL TO FLOOR COOLER.
- 5 INSTALL QT FURNISHED SOLENOID VALVE ON REFRIGERATION LINE FOR ALL EVAPORATORS.
- 6 PROVIDE LINE-SETS BETWEEN CONDENSING UNIT AND APPLIANCE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY ROUTING, AND REFRIGERANT CHARGE. RE: REFRIGERATION SCHEDULE FOR LINE SET LENGTH. CONDENSING UNIT MOUNTED ON ROOF. RE: SHEET M103 FOR CONTINUATION.
- 7 INSTALL QT-FURNISHED HEAT EXCHANGER ON COOLER REFRIGERATION LINES HORIZONTALLY ALONG THE WALL IN THIS VICINITY. RE: QT INSTALL DRAWINGS.
- 8 INSTALL QT-FURNISHED HEAT EXCHANGER ON COOLER REFRIGERATION LINES VERTICALLY IN THE CHASE. RE: QT-INSTALL DRAWINGS.
- 9 INSTALL REFRIGERANT LEAK SENSOR INSIDE FREEZER BOX AT 14" AFF. RE: F4-M602 FOR MORE INFORMATION.
- 10 INSTALL HORN/STROBE AT 80" AFF ON THE OUTSIDE OF FREEZER. INSTALL ASSOCIATED SILENCE BUTTON AT 48" AFF. PROVIDE SIGNAGE THAT READS, "REFRIGERATION LEAK DETECTION. DO NOT ENTER FREEZER IF FLASHING." RE: LOW VOLTAGE DRAWINGS FOR MORE INFORMATION.
- 11 INSTALL EPR VALVE FURNISHED WITH EQUIPMENT ON THE SUCTION LINE CONNECTION TO THE CONDENSING UNIT.

PROVIDE P-TRAPS ON SUCTION RISERS PER DETAIL E12-M502.

HOLD REFRIGERATION PIPING AS HIGH AS POSSIBLE ALLOWING ADEQUATE SPACE FOR TRAPS, HANGERS, PROPER SLOPING, AND PIPE INSULATION.

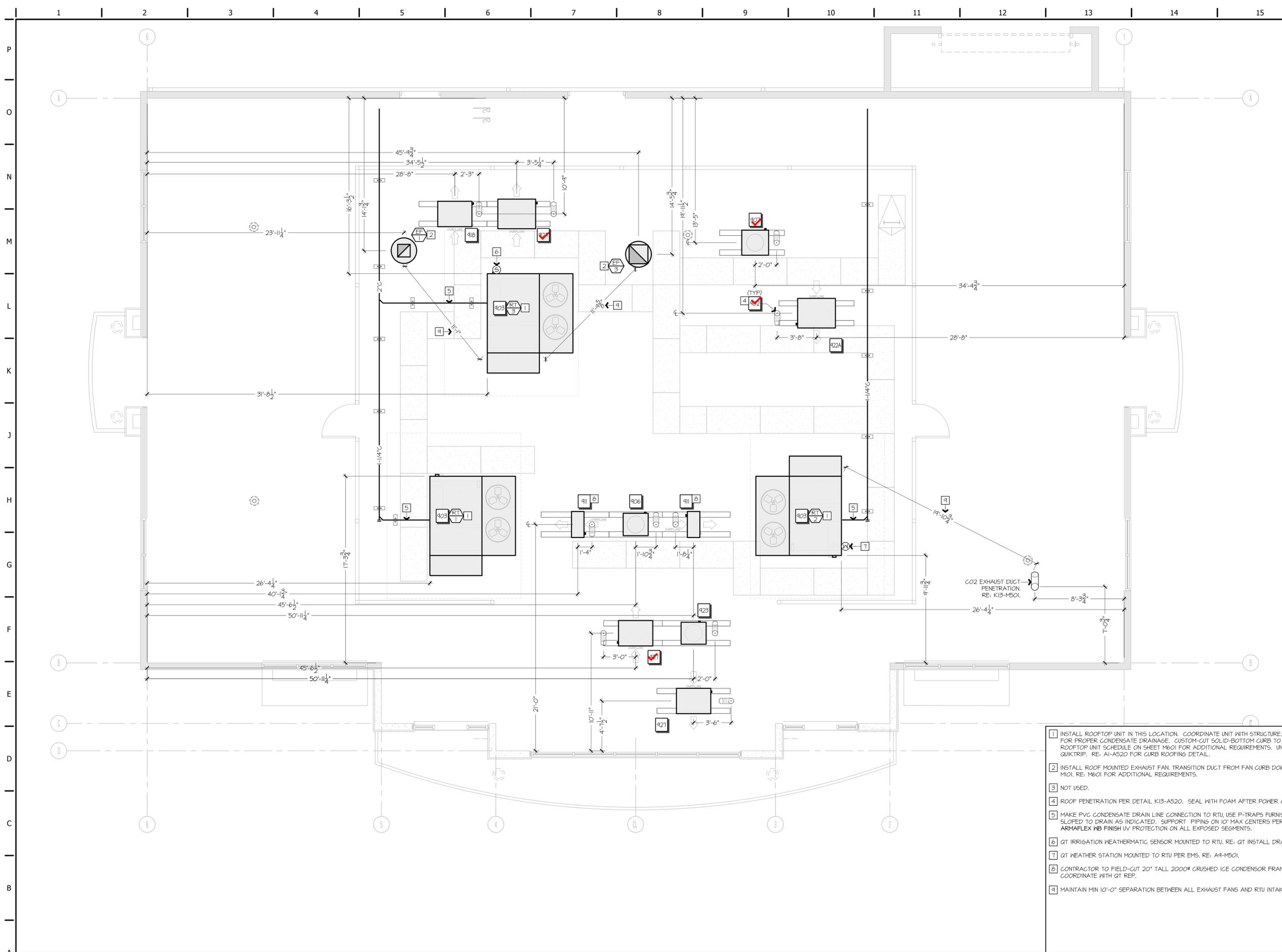
CONTRACTOR SHALL INSULATE ALL LINE SET SUCTION AND LIQUID LINES WITH 1" PIPE INSULATION WITH FIELD-APPLIED ARMAFLEX MB FINISH UV PROTECTION ON ALL EXPOSED SEGMENTS PER SPECIFICATIONS.

A1 MECHANICAL PIPING FLOOR PLAN

A13 PLAN NOTES



Label
✓ Equipment - 902 CANDYCANE PENETRATIO
✓ Equipment - 907 ICE MAKER CONDENSER U
✓ Equipment - 912A - Take Home Cooler Conde
✓ Equipment - 927



- 1 INSTALL ROOFTOP UNIT IN THIS LOCATION. COORDINATE UNIT WITH STRUCTURE. INSTALL UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. CUSTOM-CUT SOLID-BOTTOM CURB TO MATCH DUCT SIZES SHOWN. SEE ROOFTOP UNIT SCHEDULE ON SHEET M601 FOR ADDITIONAL REQUIREMENTS. UNIT SHALL BE FURNISHED BY QUIKTRIP. RE: A1-A520 FOR CURB ROOFING DETAIL.
- 2 INSTALL ROOF MOUNTED EXHAUST FAN. TRANSITION DUCT FROM FAN CURB DOWN TO DUCT SIZE INDICATED ON M101. RE: M601 FOR ADDITIONAL REQUIREMENTS.
- 3 NOT USED.
- 4 ROOF PENETRATION PER DETAIL K13-A520. SEAL WITH FOAM AFTER POWER AND REF. LINES ARE COMPLETE.
- 5 MAKE PVC CONDENSATE DRAIN LINE CONNECTION TO RTU, USE P-TRAPS FURNISHED WITH UNIT, ROUTE LINES SLOPED TO DRAIN AS INDICATED. SUPPORT PIPING ON 10' MAX CENTERS PER SPECS. PROVIDE FIELD-APPLIED ARMAFLEX WB FINISH UV PROTECTION ON ALL EXPOSED SEGMENTS.
- 6 QT IRRIGATION WEATHERMATIC SENSOR MOUNTED TO RTU. RE: QT INSTALL DRAWINGS.
- 7 QT WEATHER STATION MOUNTED TO RTU PER EMS. RE: A4-M501.
- 8 CONTRACTOR TO FIELD-CUT 20" TALL 2000# CRUSHED ICE CONDENSOR FRAME DOWN TO 6" AND REASSEMBLE. COORDINATE WITH QT REP.
- 9 MAINTAIN MIN 10'-0" SEPARATION BETWEEN ALL EXHAUST FANS AND RTU INTAKES. (TYP)



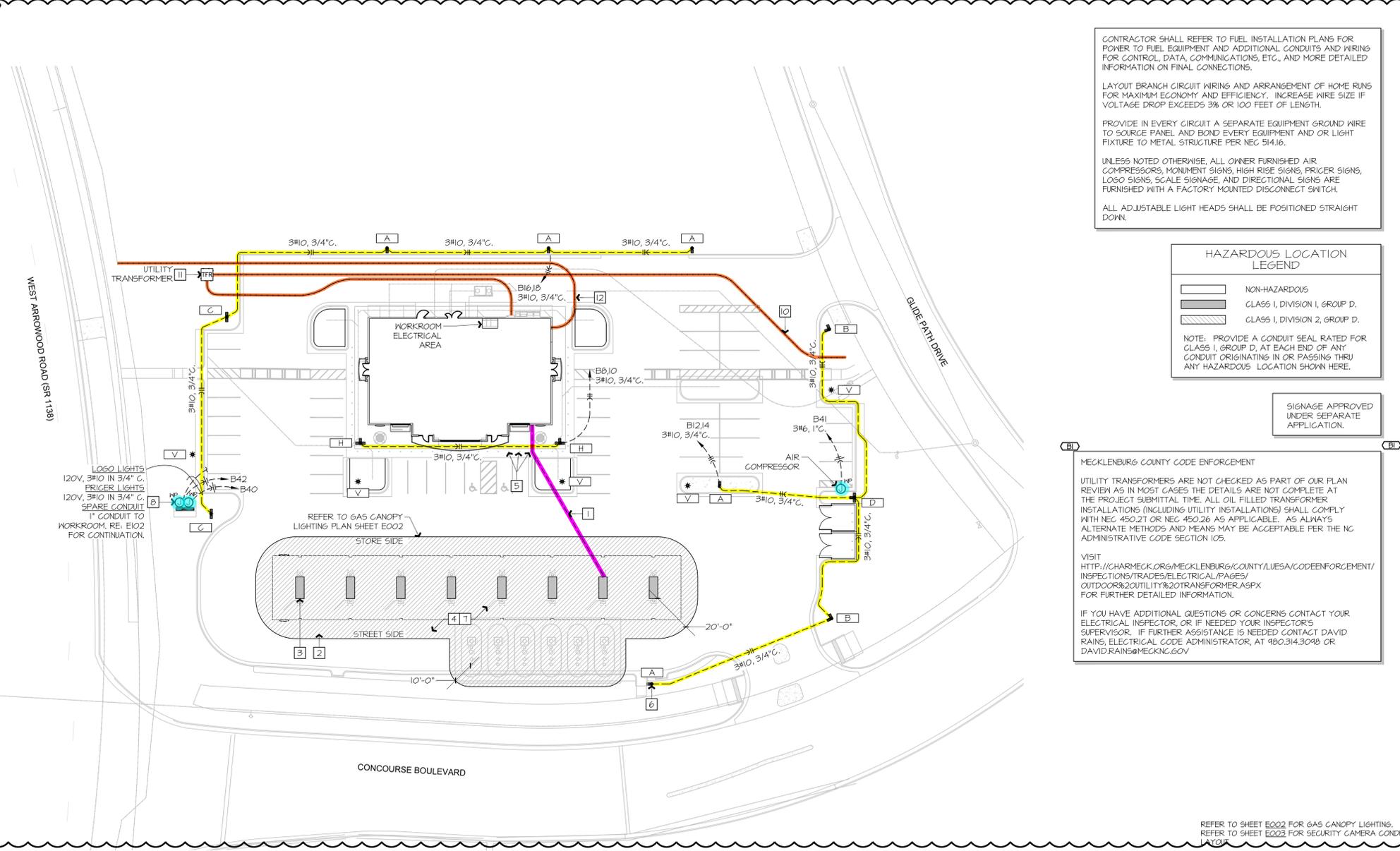
Legend		
Label	Quantity	Unit
 1 1/4" Conduits	85.60	ft
 3/4" Conduits	813.46	ft
 4" Empty Conduit	769.47	ft
 Junction Box	3	Count

LIGHT FIXTURE SCHEDULE										
TYPE	IMAGE	SYMBOL	QUANTITY	MANUFACTURER	CATALOG NUMBER	LAMPS	MOUNTING	VOLTS	WATTS	REMARKS
A			5	LSI INDUSTRIES	SLM-LED-12L-9IL-FT-UNV-DIM-40-TOCRI "SLICE"	LED	POLE MTD.	208	44	SINGLE - FORWARD THROW
B			2	LSI INDUSTRIES	SLM-LED-12L-9IL-FT-UNV-DIM-40-TOCRI "SLICE"	LED	POLE MTD.	208	108	DOUBLE 90 (D90) - FORWARD THROW
C			2	LSI INDUSTRIES	SLM-LED-12L-9IL-FT-UNV-DIM-40-TOCRI "SLICE"	LED	POLE MTD.	208	108	DOUBLE 180 (D180) - FORWARD THROW
D			1	LSI INDUSTRIES	SLM-LED-12L-9IL-FT-UNV-DIM-40-TOCRI "SLICE"	LED	POLE MTD.	208	282	TRIPLE 90 (T90) - FORWARD THROW
E			32	LSI INDUSTRIES	SCV-LED-13L-9C-UNV-DIM-40 "SCOTTSDALE VERTEX"	LED	SURFACE	208	84	WHITE
H			2	LSI INDUSTRIES	SLM-LED-12L-9IL-FT-UNV-DIM-40-TOCRI "SLICE"	LED	POLE MTD.	208	282	TRIPLE 90 (T90) - FORWARD THROW
V			5	LSI INDUSTRIES	LOW VOLTAGE POLE	N/A	N/A	N/A	N/A	USED FOR SECURITY CAMERA MOUNTING PROVIDE SAME POLE BASE AS LIGHT POLES

GENERAL NOTES (APPLY TO ALL THE ABOVE):
 1) ALL LIGHT FIXTURES ARE OWNER-FURNISHED, CONTRACTOR-INSTALLED.

L1 SITE LIGHTING FIXTURE SCHEDULE

NOT TO SCALE A1-E001, A1-E002



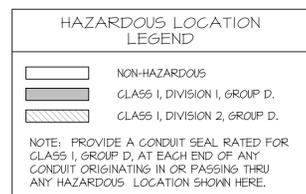
CONTRACTOR SHALL REFER TO FUEL INSTALLATION PLANS FOR POWER TO FUEL EQUIPMENT AND ADDITIONAL CONDUITS AND WIRING FOR CONTROL, DATA, COMMUNICATIONS, ETC., AND MORE DETAILED INFORMATION ON FINAL CONNECTIONS.

LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE SIZE IF VOLTAGE DROP EXCEEDS 3% OR 100 FEET OF LENGTH.

PROVIDE IN EVERY CIRCUIT A SEPARATE EQUIPMENT GROUND WIRE TO SOURCE PANEL AND BOND EVERY EQUIPMENT AND OR LIGHT FIXTURE TO METAL STRUCTURE PER NEC 514.16.

UNLESS NOTED OTHERWISE, ALL OWNER FURNISHED AIR COMPRESSORS, MONUMENT SIGNS, HIGH RISE SIGNS, PRICER SIGNS, LOGO SIGNS, SCALE SIGNAGE, AND DIRECTIONAL SIGNS ARE FURNISHED WITH A FACTORY MOUNTED DISCONNECT SWITCH.

ALL ADJUSTABLE LIGHT HEADS SHALL BE POSITIONED STRAIGHT DOWN.



SIGNAGE APPROVED UNDER SEPARATE APPLICATION.

MECKLENBURG COUNTY CODE ENFORCEMENT

UTILITY TRANSFORMERS ARE NOT CHECKED AS PART OF OUR PLAN REVIEW AS IN MOST CASES THE DETAILS ARE NOT COMPLETE AT THE PROJECT SUBMITTAL TIME. ALL OIL FILLED TRANSFORMER INSTALLATIONS (INCLUDING UTILITY INSTALLATIONS) SHALL COMPLY WITH NEC 450.21 OR NEC 450.26 AS APPLICABLE. AS ALWAYS ALTERNATE METHODS AND MEANS MAY BE ACCEPTABLE PER THE NC ADMINISTRATIVE CODE SECTION 105.

VISIT [HTTP://CHARMECK.ORG/MECKLENBURG/COUNTY/LUESA/CODEENFORCEMENT/INSPECTIONS/TRADES/ELECTRICAL/PAGES/OUTDOOR%20UTILITY%20TRANSFORMER.ASPX](http://CHARMECK.ORG/MECKLENBURG/COUNTY/LUESA/CODEENFORCEMENT/INSPECTIONS/TRADES/ELECTRICAL/PAGES/OUTDOOR%20UTILITY%20TRANSFORMER.ASPX) FOR FURTHER DETAILED INFORMATION.

IF YOU HAVE ADDITIONAL QUESTIONS OR CONCERNS CONTACT YOUR ELECTRICAL INSPECTOR, OR IF NEEDED YOUR INSPECTOR'S SUPERVISOR. IF FURTHER ASSISTANCE IS NEEDED CONTACT DAVID RAINS, ELECTRICAL CODE ADMINISTRATOR, AT 980.314.3018 OR DAVID.RAINS@MECKNC.GOV

F13 NOT USED

- #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1-1/4" CONDUIT FROM BUILDING SERVICE ENTRANCE GROUNDING ELECTRODE CAD-WELDED BONDED TO CANOPY STRUCTURAL STEEL. RE: JI-E504.
- CLASS I, DIVISION 2 AREA WITHIN 18" OF ANY EDGE OF THE DISPENSER TO GRADE AND FROM GRADE TO 1'-6" ABOVE GRADE WITHIN 20'-0" OF ANY EDGE OF THE DISPENSER.
- CLASS I, DIVISION 1 AREA WITHIN THE DISPENSER ENCLOSURE AND WITHIN THE PIT BELOW THE DISPENSER. (TYP)
- CLASS I, DIVISION 2 AREA WITHIN 10'-0" OF PUMPS OR FILL OPENINGS FROM GRADE TO 1'-6" ABOVE GRADE.
- ROUTE CONDUITS TO GAS ISLANDS AROUND BOLLARDS.
- ROUTE SO THAT NO PART OF THE CONDUIT RUN PASSES BENEATH THE HAZARDOUS LOCATION BOUNDARIES IDENTIFIED ON THIS PLAN. IF UNAVOIDABLE, SEAL ANY CONDUIT PASSING UNDER A HAZARDOUS LOCATION AT THE POINTS WHERE IT EXITS THE GROUND. (BOTH ENDS)
- RE: FUEL SYSTEM DRAWINGS FOR DISPENSER AND FUEL TANK CIRCUITING.
- SITE SIGNAGE - 120V POWER TO SIGN LTS, 120V POWER TO PRICER AT SIGN. REFER TO SIGNAGE MANUFACTURER INSTRUCTIONS FOR FINAL CONNECTIONS, ETC.
- NOT USED.
- EXTEND TO UTILITY CONNECTION POINT AT PROPERTY LINE. VERIFY EXACT LOCATION OF UTILITY CONNECTION POINT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE PRIMARY AND SECONDARY UTILITY CONDUITS AND THE TRANSFORMER PAD AS SPECIFIED BY THE UTILITY CO.
- (2) 4" EMPTY CONDUITS FOR TELCO UTILITY COMPANY USE. PROVIDE PULL BOXES AS REQUIRED BY THE SERVING UTILITY. GAP BOTH ENDS OF ANY UNUSED CONDUITS AND LEAVE IN PLACE FOR FUTURE USE.

REFER TO SHEET E002 FOR GAS CANOPY LIGHTING.
REFER TO SHEET E003 FOR SECURITY CAMERA CONDUIT

A1 ELECTRICAL SITE PLAN

1" = 30'-0"



A13 PLAN NOTES

Legend		
Label	Quantity	Unit
Conduits	331.69	ft
Junction Box	3	Count

SIGNAGE APPROVED UNDER SEPARATE AFFILIATION.

RUN LIGHTING CIRCUITS THROUGH OUTSIDE LIGHTING CONTROL SYSTEM. STAGE NUMBER INDICATED IN PARENTHESES. STAGING PER EMS PROGRAMMING. REFER TO PANEL SCHEDULES FOR STAGE LIGHTING LOADS.

LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS TO UTILIZE (6) 1" CONDUITS AS FOLLOWS (UNLESS NOTED OTHERWISE ON PLAN):

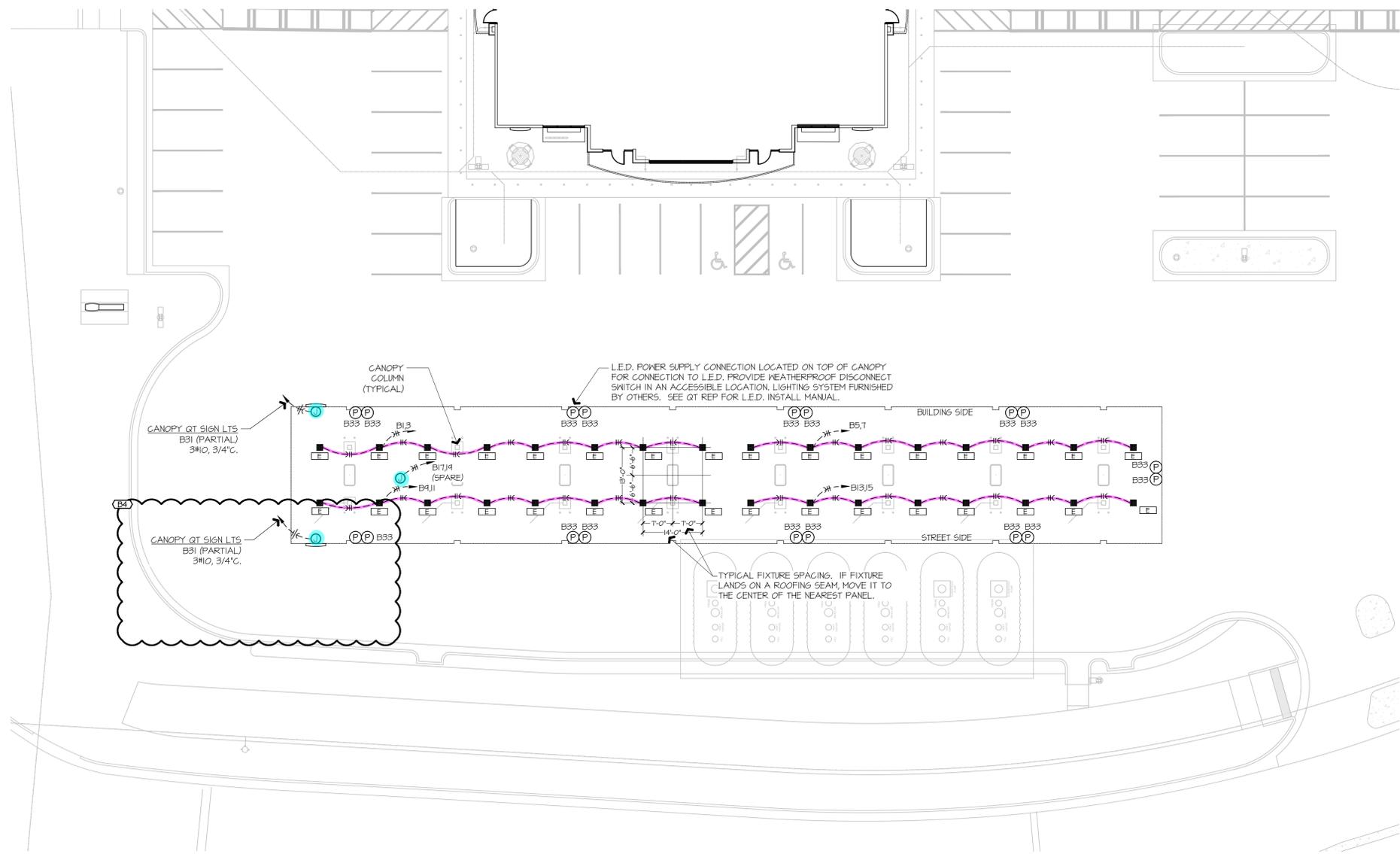
- STAGE 2 LIGHTING MAX (4) #10 WIRES IN (1) 1" CONDUIT.
- STAGE 3 LIGHTING MAX (4) #10 WIRES IN (1) 1" CONDUIT.
- LED 4 CANOPY SIGN MAX (4) #10 WIRES IN (1) 1" CONDUIT.
- SPARE CONDUITS WITH FULL STRINGS (3) 1" CONDUITS.

#10 WIRE SIZE IS SUFFICIENT FOR VOLTAGE DROP UP TO 300' AND UP TO 4 CURRENT-CARRYING CONDUCTORS IN A CONDUIT FOR ALL LIGHTING AND SIGNAGE CIRCUITS AT CANOPIES.

REFER TO SHEET E001 FOR HAZARDOUS LOCATIONS AND REQUIRED CONDUIT SEALING.

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

CONDUITS RAN THROUGH CLASSIFIED AREAS SHALL COMPLY WITH NEC SECTION 514, REFER TO SHEET E001 FOR HAZARDOUS LOCATION AND REQUIRED CONDUIT SEALING.



REFER TO SHEET E001 FOR [Symbol] FIXTURE CALLOUTS.

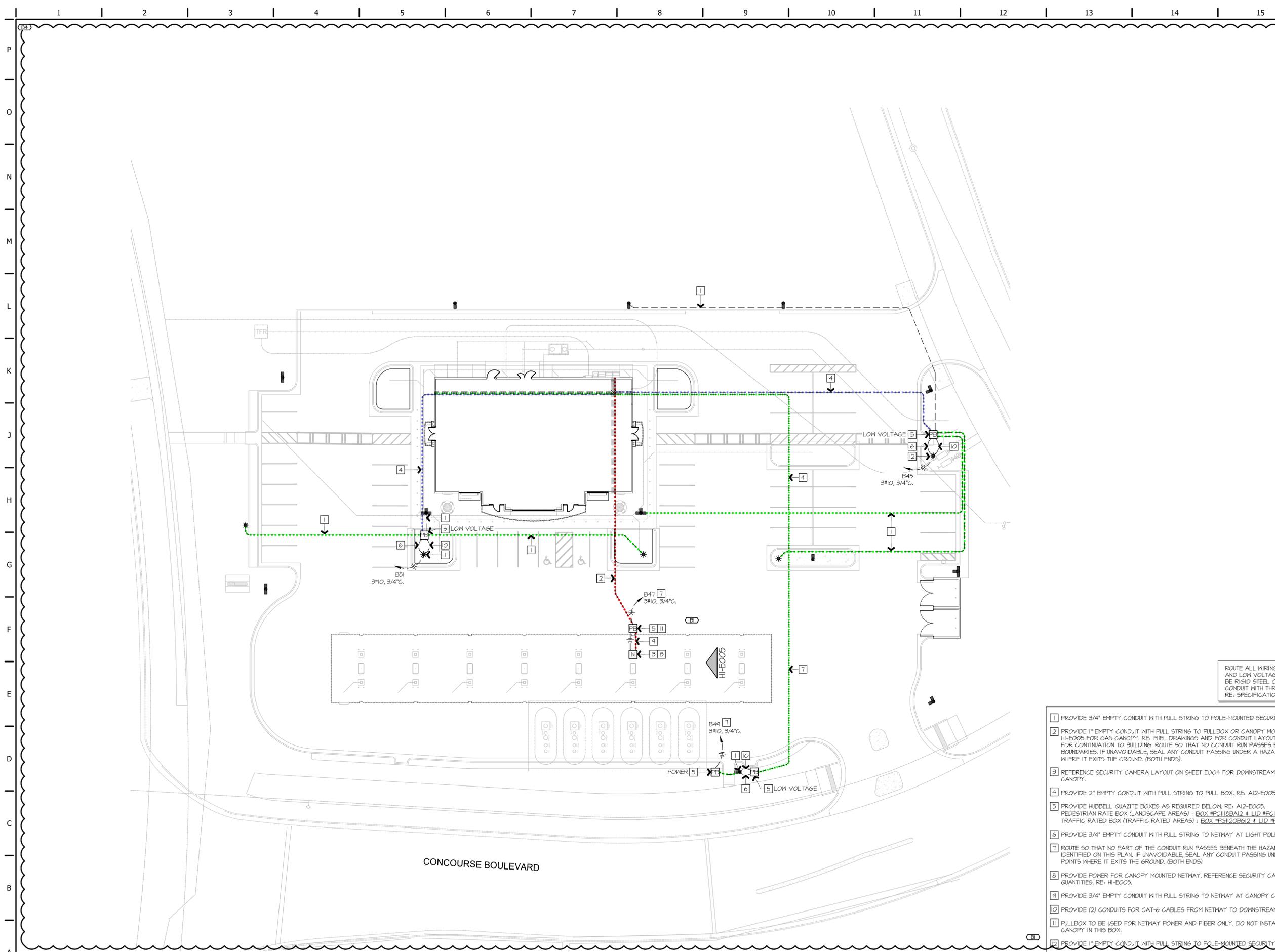
A1 GAS CANOPY LIGHTING PLAN

1"=15'-0"



NORTH

Legend		
Label	Quantity	Unit
(2) 1" Empty Conduits	116.70	ft
2" Empty Conduits	314.99	ft
2" Empty Conduits	350.43	ft
3/4" Empty Conduits	8.35	ft
3/4" Empty Conduits	543.60	ft



PROVIDE A DITEK 7"x4"x4" MODEL #111-091 NEMA ENCLOSURE FOR CAMERA SURGE PROTECTION AT ALL IP CAMERAS MOUNTED TO LIGHT POLES, LOW VOLTAGE POLES, CANOPIES, AND TRUCK SCALES. REFERENCE CIVIL PLANS FOR EXACT LOCATIONS AND QUANTITIES OF CAMERAS. REFERENCE QT INSTALL DRAWINGS FOR MOUNTING.

REFER TO SHEET E001 FOR HAZARDOUS LOCATION IDENTIFICATION AND CONDUIT SEALING REQUIREMENTS.

ROUTE ALL WIRING RELATED TO LIGHTING, SECURITY, AND LOW VOLTAGE WITHIN CONDUIT. CONDUIT SHALL BE RIGID STEEL CONDUIT OR INTERMEDIATE METAL CONDUIT WITH THREADED COUPLINGS AND FITTINGS. RE: SPECIFICATIONS.

- 1 PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING TO POLE-MOUNTED SECURITY CAMERA. RE: A12-E005.
- 2 PROVIDE 1" EMPTY CONDUIT WITH PULL STRING TO PULLBOX OR CANOPY MOUNTED NETWAY AS DETAILED ON HI-E005 FOR GAS CANOPY. RE: FUEL DRAWINGS AND FOR CONDUIT LAYOUT WITHIN CANOPY COLUMN. RE: A1-E002 FOR CONTINUATION TO BUILDING. ROUTE SO THAT NO CONDUIT RUN PASSES BENEATH THE HAZARDOUS LOCATION BOUNDARIES. IF UNAVOIDABLE, SEAL ANY CONDUIT PASSING UNDER A HAZARDOUS LOCATION AT THE POINTS WHERE IT EXITS THE GROUND. (BOTH ENDS).
- 3 REFERENCE SECURITY CAMERA LAYOUT ON SHEET E004 FOR DOWNSTREAM CAMERA LOCATIONS AT GAS CANOPY.
- 4 PROVIDE 2" EMPTY CONDUIT WITH PULL STRING TO PULL BOX. RE: A12-E005 & A1-E002 FOR CONTINUATION.
- 5 PROVIDE HUBBELL QUIAZITE BOXES AS REQUIRED BELOW. RE: A12-E005.
PEDESTRIAN RATE BOX (LANDSCAPE AREAS) : BOX #PC1118BA12 & LID #PC1118CA00.
TRAFFIC RATED BOX (TRAFFIC RATED AREAS) : BOX #PG1120B612 & LID #PG1120H600.
- 6 PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING TO NETWAY AT LIGHT POLE. RE: A12-E005.
- 7 ROUTE SO THAT NO PART OF THE CONDUIT RUN PASSES BENEATH THE HAZARDOUS LOCATION BOUNDARIES IDENTIFIED ON THIS PLAN. IF UNAVOIDABLE, SEAL ANY CONDUIT PASSING UNDER A HAZARDOUS LOCATION AT THE POINTS WHERE IT EXITS THE GROUND. (BOTH ENDS).
- 8 PROVIDE POWER FOR CANOPY MOUNTED NETWAY. REFERENCE SECURITY CAMERA LAYOUT ON SHEET E004 FOR QUANTITIES. RE: HI-E005.
- 9 PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING TO NETWAY AT CANOPY COLUMN. RE: HI-E005.
- 10 PROVIDE (2) CONDUITS FOR CAT-6 CABLES FROM NETWAY TO DOWNSTREAM CAMERAS. RE: A12-E005.
- 11 PULLBOX TO BE USED FOR NETWAY POWER AND FIBER ONLY. DO NOT INSTALL POWER OR LOW VOLTAGE FOR CANOPY IN THIS BOX.
- 12 PROVIDE 1" EMPTY CONDUIT WITH PULL STRING TO POLE-MOUNTED SECURITY CAMERA. RE: A12-E005.

A1 SECURITY POWER & CONDUIT PLAN
1" = 20'-0"



A13 PLAN NOTES

Legend		
Label	Quantity	Unit
● Camera - 2MP	17	Count

SITE CAMERAS						
CAMERA NAME	RESOLUTION	POWER REQUIREMENT	CONDUIT LOOP	TERMINATION	MOUNTED TO	MOUNTING TYPE
BACK DOOR	2MP	30W	1	NETWAY 1 (240W)	POLE	PENDANT
OUTSIDE LEFT	2MP	30W	1	NETWAY 1 (240W)	POLE	PENDANT
FUTURE CAMERA #06	2MP	13W	1	NETWAY 1 (240W)	POLE	PENDANT
FUTURE CAMERA #07	2MP	13W	1	NETWAY 1 (240W)	POLE	PENDANT
FUTURE CAMERA #05	2MP	13W	1	NETWAY 1 (240W)	POLE	PENDANT
FUTURE CAMERA #10	2MP	13W	1	NETWAY 1 (240W)	POLE	PENDANT
PARKING LEFT	2MP	30W	1	NETWAY 1 (240W)	POLE	PENDANT
FUTURE CAMERA #04	2MP	13W	1	NETWAY 1 (240W)	POLE	PENDANT
PARKING LEFT NE/ DUMPSTER	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
FRONT CANOPY RIGHT	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
FRONT CANOPY LEFT	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
PARKING RIGHT SE	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
PARKING FRONT RIGHT	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
FRONT ENTRY	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
FUTURE CAMERA #03	2MP	13W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
PARKING FRONT LEFT	2MP	30W	2	NETWAY 2 (240W)	CANOPY COLUMN	PENDANT
REFUEL	2MP	30W	3	NETWAY 3 (300W)	POLE	PENDANT
OUTSIDE RIGHT	2MP	30W	4	NETWAY 4 (240W)	POLE	PENDANT
FUTURE CAMERA #01	2MP	13W	4	NETWAY 4 (240W)	POLE	PENDANT
PARKING RIGHT	2MP	30W	4	NETWAY 4 (240W)	POLE	PENDANT
FUTURE CAMERA #02	2MP	13W	4	NETWAY 4 (240W)	POLE	PENDANT
GAS RIGHT	2MP	30W	4	NETWAY 4 (240W)	POLE	PENDANT
FUTURE CAMERA #08	2MP	13W	4	NETWAY 4 (240W)	POLE	PENDANT
GAS LEFT	2MP	30W	4	NETWAY 4 (240W)	POLE	PENDANT
FUTURE CAMERA #09	2MP	13W	4	NETWAY 4 (240W)	POLE	PENDANT

BUILDING EXTERIOR CAMERAS						
CAMERA NAME	RESOLUTION	POWER REQUIREMENT	CONDUIT LOOP	TERMINATION	MOUNTED TO	MOUNTING TYPE
BUILDING BACK	2MP	30W	N/A	COPPER48-PORT SWITCH	BUILDING	PENDANT
GAS CENTER	2MP	30W	N/A	COPPER48-PORT SWITCH	BUILDING	SURFACE

SITE CAMERA MATERIAL LIST		
DESCRIPTION	PART NUMBER	QUANTITY
LINKPOWER - 300W 4PORT (95W PER PORT)	LPS340ATMP-300-T1	1
LINKPOWER - 240W 8PORT (30W PER PORT)	LPS3802ATM-T1	3
CISCO SFP	GLC-SX-MMD	4
LINKPOWER - INDUSTRIAL MULTIMODE SFP	LPS IM 2630 LC	4
NETWAY - RACK-MOUNT 4-PORT	NETWAY4BT	0
NETWAY - RACK-MOUNT 8-PORT	NETWAY8BT	0
LINKPOWER - POLE-MOUNT KIT	MMK0001-S	0

SECURITY GENERAL NOTES
RE: E003 FOR REQUIRED CONDUITS.

OUTDOOR SECURITY CAMERA EQUIPMENT SUMMARY TABLE	
# INSIDE MONITORS RQD	3
LICENSES TO ORDER	17

LEGEND

WDR WIDE DYNAMIC RANGE CAMERA

↑ "AUDIO VIDEO IN USE" SIGN
↓ ARROW DESIGNATES FACING DIRECTION

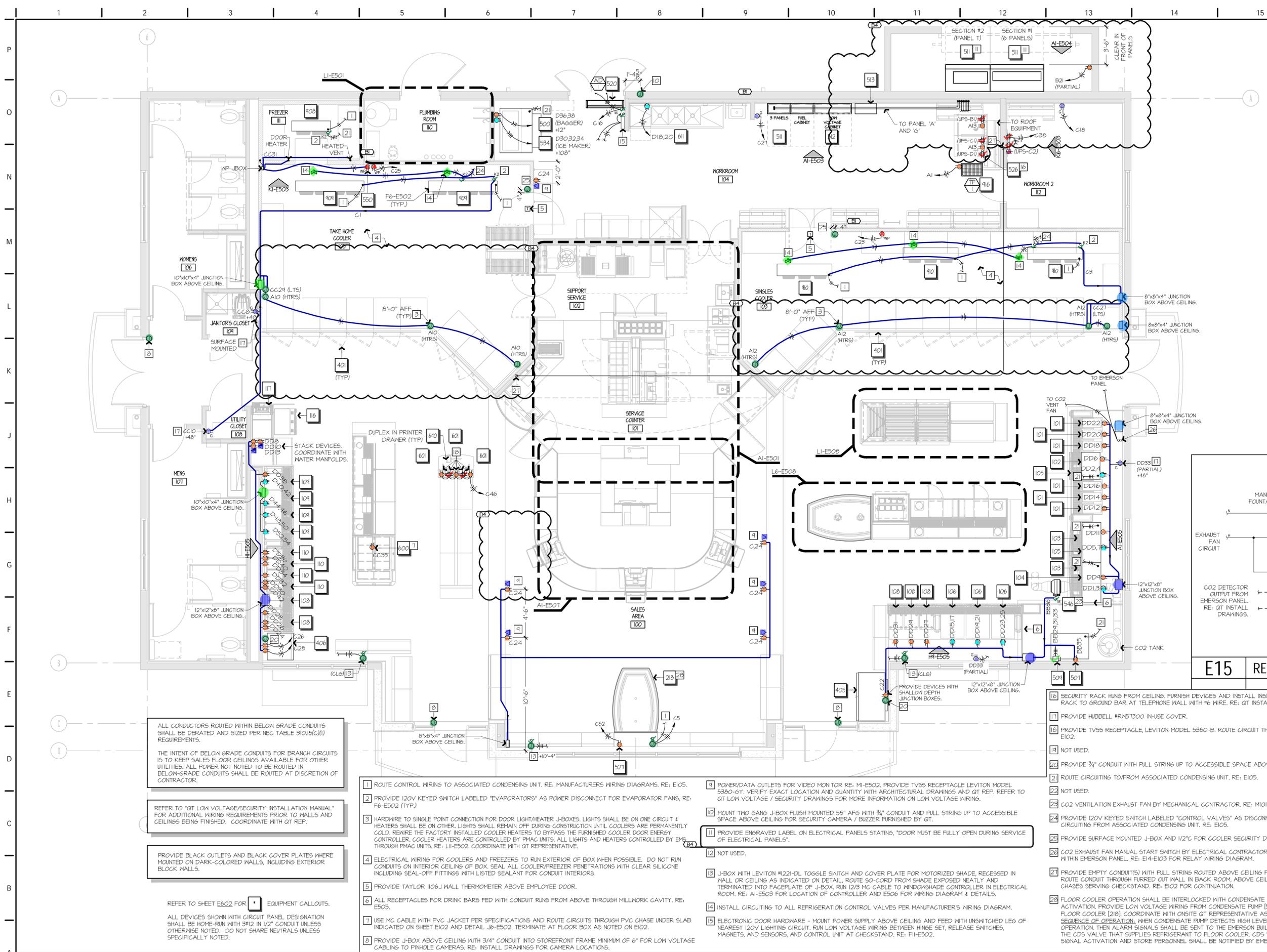


A1 SECURITY CAMERA PLAN

1" = 20'-0"



NORTH



Legend		Quantity
✓	20 AMP Double Duplex Receptacles	7
—	Conduits	331.07
◇	Control Valves	5
⊘	Disconnect Switch	1
△	Duplex Receptacles	45
▲	GFI Duplex Receptacles	6
●	Junction Box (8"x8"x4")	3
●	Junction Box (10"x10"x4")	2
●	Junction Box (12"x12"x8")	3
●	Junction Box	20
▲	Receptacles	1
✓	Single Pole Switch	12
▲	Special Receptacle	12
■	Telephone/Data Outlet	8
▲	Weatherproof Duplex Receptacles	3

ALL CONDUCTORS ROUTED WITHIN BELOW GRADE CONDUITS SHALL BE DERATED AND SIZED PER NEC TABLE 310.15(C)(1) REQUIREMENTS.

THE INTENT OF BELOW GRADE CONDUITS FOR BRANCH CIRCUITS IS TO KEEP SALES FLOOR CEILINGS AVAILABLE FOR OTHER UTILITIES. ALL POWER NOT NOTED TO BE ROUTED IN BELOW-GRADE CONDUITS SHALL BE ROUTED AT DISCRETION OF CONTRACTOR.

REFER TO "GT LOW VOLTAGE/SECURITY INSTALLATION MANUAL" FOR ADDITIONAL WIRING REQUIREMENTS PRIOR TO WALLS AND CEILING BEING FINISHED. COORDINATE WITH GT REP.

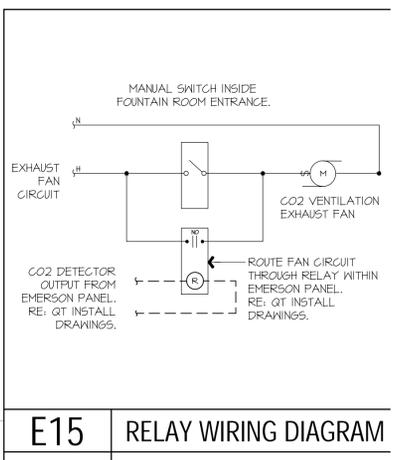
PROVIDE BLACK OUTLETS AND BLACK COVER PLATES WHERE MOUNTED ON DARK-COLORED WALLS, INCLUDING EXTERIOR BLOCK WALLS.

REFER TO SHEET E602 FOR EQUIPMENT CALLOUTS.

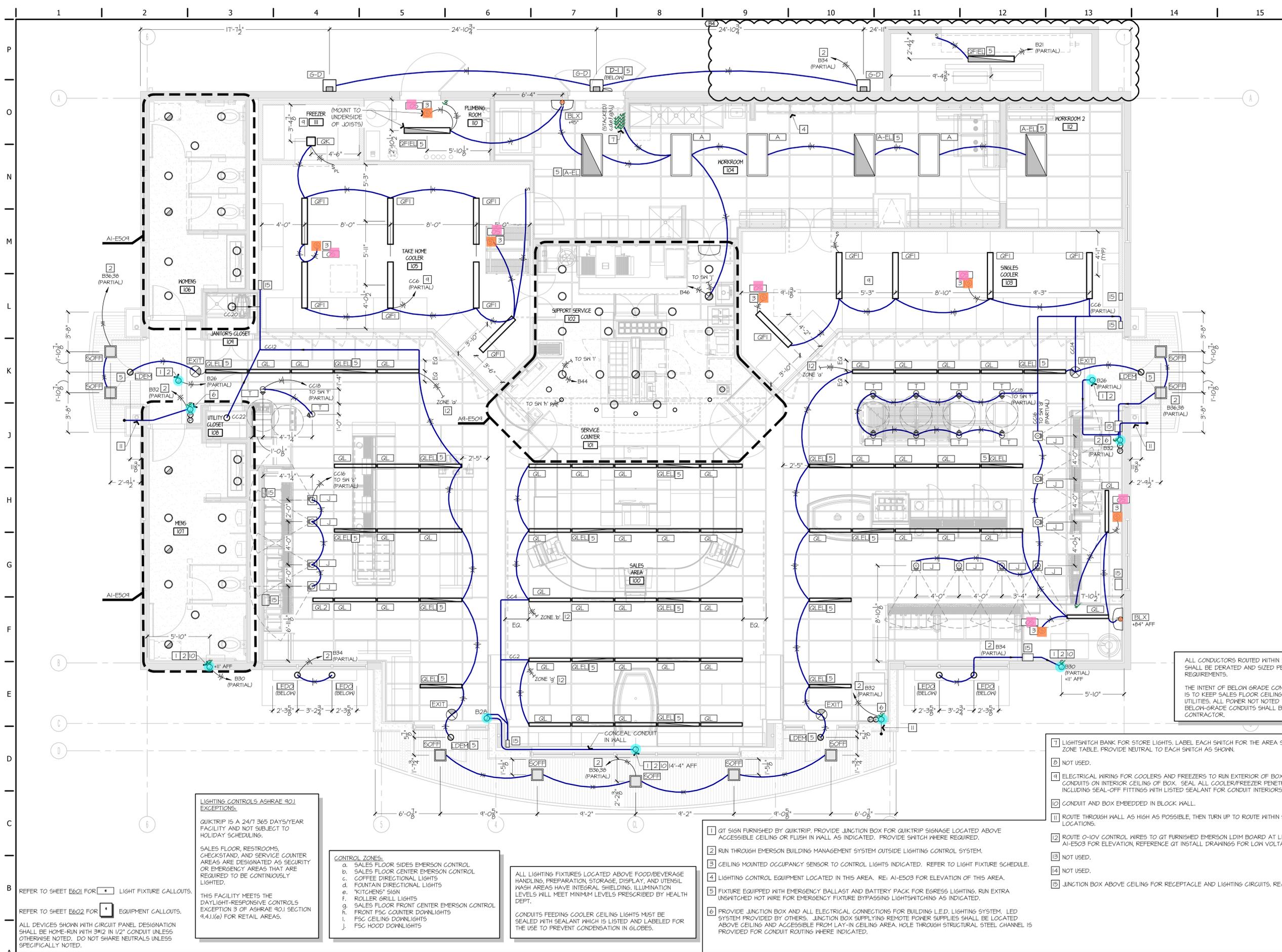
ALL DEVICES SHOWN WITH CIRCUIT PANEL DESIGNATION SHALL BE HOME-RUN WITH 3/4" IN 1/2" CONDUIT UNLESS OTHERWISE NOTED. DO NOT SHARE NEUTRALS UNLESS SPECIFICALLY NOTED.

- ROUTE CONTROL WIRING TO ASSOCIATED CONDENSING UNIT. RE: MANUFACTURERS WIRING DIAGRAMS. RE: E105.
- PROVIDE 120V KEYED SWITCH LABELED "EVAPORATORS" AS POWER DISCONNECT FOR EVAPORATOR FANS. RE: F6-E502 (TYP.)
- HARDWIRE TO SINGLE POINT CONNECTION FOR DOOR LIGHT/HEATER J-BOXES. LIGHTS SHALL BE ON ONE CIRCUIT & HEATERS SHALL BE ON OTHER. LIGHTS SHALL REMAIN OFF DURING CONSTRUCTION UNTIL COOLERS ARE PERMANENTLY COLD. REQUIRE THE FACTORY INSTALLED COOLER HEATERS TO BYPASS THE FURNISHED COOLER DOOR ENERGY CONTROLLER. COOLER HEATERS ARE CONTROLLED BY PMAC UNITS. ALL LIGHTS AND HEATERS CONTROLLED BY EMS THROUGH PMAC UNITS. RE: L1-E502. COORDINATE WITH GT REPRESENTATIVE.
- ELECTRICAL WIRING FOR COOLERS AND FREEZERS TO RUN EXTERIOR OF BOX WHEN POSSIBLE. DO NOT RUN CONDUITS ON INTERIOR CEILING OF BOX. SEAL ALL COOLER/FREEZER PENETRATIONS WITH CLEAR SILICONE INCLUDING SEAL-OFF FITTINGS WITH LISTED SEALANT FOR CONDUIT INTERIORS.
- PROVIDE TAYLOR 1106J WALL THERMOMETER ABOVE EMPLOYEE DOOR.
- ALL RECEPTACLES FOR DRINK BARS FED WITH CONDUIT RUNS FROM ABOVE THROUGH MILLWORK CAVITY. RE: E505.
- USE MC CABLE WITH PVC JACKET PER SPECIFICATIONS AND ROUTE CIRCUITS THROUGH PVC CHASE UNDER SLAB INDICATED ON SHEET E102 AND DETAIL J6-E502. TERMINATE AT FLOOR BOX AS NOTED ON E102.
- PROVIDE J-BOX ABOVE CEILING WITH 3/4" CONDUIT INTO STOREFRONT FRAME MINIMUM OF 6" FOR LOW VOLTAGE CABLING TO PINHOLE CAMERAS. RE: INSTALL DRAWINGS FOR CAMERA LOCATIONS.
- POWER/DATA OUTLETS FOR VIDEO MONITOR RE: M1-E502. PROVIDE TVSS RECEPTACLE LEVITON MODEL 5380-GY. VERIFY EXACT LOCATION AND QUANTITY WITH ARCHITECTURAL DRAWINGS AND GT REP. REFER TO GT LOW VOLTAGE / SECURITY DRAWINGS FOR MORE INFORMATION ON LOW VOLTAGE WIRING.
- MOUNT TWO GANG J-BOX FLUSH MOUNTED 58" AFF WITH 3/4" CONDUIT AND PULL STRING UP TO ACCESSIBLE SPACE ABOVE CEILING FOR SECURITY CAMERA / BUZZER FURNISHED BY GT.
- PROVIDE ENGRAVED LABEL ON ELECTRICAL PANELS STATING, "DOOR MUST BE FULLY OPEN DURING SERVICE OF ELECTRICAL PANELS".
- NOT USED.
- J-BOX WITH LEVITON #1221-DL TOSSELLE SWITCH AND COVER PLATE FOR MOTORIZED SHADE, RECESSED IN WALL OR CEILING AS INDICATED ON DETAIL. ROUTE SO-CORD FROM SHADE EXPOSED NEATLY AND TERMINATED INTO FACE OF J-BOX. RUN 12/3 MC CABLE TO WINDOW SHADE CONTROLLER IN ELECTRICAL ROOM. RE: A1-E503 FOR LOCATION OF CONTROLLER AND E506 FOR WIRING DIAGRAM & DETAILS.
- INSTALL CIRCUITING TO ALL REFRIGERATION CONTROL VALVES PER MANUFACTURER'S WIRING DIAGRAM.
- ELECTRONIC DOOR HARDWARE - MOUNT POWER SUPPLY ABOVE CEILING AND FEED WITH UNSWITCHED LEG OF NEAREST 120V LIGHTING CIRCUIT. RUN LOW VOLTAGE WIRING BETWEEN HINGE SET, RELEASE SWITCHES, MAGNETS, AND SENSORS, AND CONTROL UNIT AT CHECKSTAND. RE: F11-E502.

- SECURITY RACK HUNG FROM CEILING. FURNISH DEVICES AND INSTALL INSIDE OF IT RACK AS SHOWN. BOND RACK TO GROUND BAR AT TELEPHONE WALL WITH #6 WIRE. RE: GT INSTALL DRAWINGS.
- PROVIDE HUBBELL #HW3000 IN-USE COVER.
- PROVIDE TVSS RECEPTACLE, LEVITON MODEL 5380-B. ROUTE CIRCUIT THROUGH BELOW GRADE CONDUIT. RE: E102.
- NOT USED.
- PROVIDE 3/4" CONDUIT WITH PULL STRING UP TO ACCESSIBLE SPACE ABOVE CEILING FOR EMERSON.
- ROUTE CIRCUITING TO/FROM ASSOCIATED CONDENSING UNIT. RE: E105.
- NOT USED.
- CO2 VENTILATION EXHAUST FAN BY MECHANICAL CONTRACTOR. RE: M101 & E106 FOR MORE INFORMATION.
- PROVIDE 120V KEYED SWITCH LABELED "CONTROL VALVES" AS DISCONNECT FOR CONTROL VALVES. ROUTE CIRCUITING FROM ASSOCIATED CONDENSING UNIT. RE: E105.
- PROVIDE SURFACE MOUNTED J-BOX AND 1/2" C FOR COOLER SECURITY DEVICE. RE: GT SECURITY DRAWINGS.
- CO2 EXHAUST FAN MANUAL START SWITCH BY ELECTRICAL CONTRACTOR. ROUTE CIRCUIT THROUGH RELAY WITHIN EMERSON PANEL. RE: E14-E103 FOR RELAY WIRING DIAGRAM.
- PROVIDE EMPTY CONDUIT(S) WITH PULL STRINGS ROUTED ABOVE CEILING FOR MONUMENT OR HIGH RISE SIGN. ROUTE CONDUIT THROUGH FURRED OUT WALL IN BACK ROOM, ABOVE CEILING, AND DOWN TO ELECTRICAL CHASES SERVING CHECKSTAND. RE: E102 FOR CONTINUATION.
- FLOOR COOLER OPERATION SHALL BE INTERLOCKED WITH CONDENSATE PUMP OVERFLOW HIGH LIMIT SWITCH ACTIVATION. PROVIDE LOW VOLTAGE WIRING FROM CONDENSATE PUMP (521) TO DIXELL CONTROLLER ON FLOOR COOLER (218). COORDINATE WITH ONSITE GT REPRESENTATIVE AS NECESSARY. SEQUENCE OF OPERATION: WHEN CONDENSATE PUMP DETECTS HIGH LEVEL LIMIT, FLOOR COOLER SHALL CEASE OPERATION. THEN ALARM SIGNALS SHALL BE SENT TO THE EMERSON BUILDING MANAGEMENT SYSTEM AND TO THE CDS VALVE THAT SUPPLIES REFRIGERANT TO FLOOR COOLER. CDS VALVE SHALL CLOSE ON ALARM SIGNAL ACTIVATION AND STORE PERSONNEL SHALL BE NOTIFIED BY EMERSON BUILDING MANAGEMENT SYSTEM.



Legend		
	Conduits	58
	Duplex Receptacles	2
	Junction Box	9
	Occupancy Sensor	7
	Sensor For Emerson Management System	7
	Single Pole Switch	16



ALL CONDUCTORS ROUTED WITHIN BELOW GRADE CONDUITS SHALL BE DERATED AND SIZED PER NEC TABLE 310.15(C)(1) REQUIREMENTS.

THE INTENT OF BELOW GRADE CONDUITS FOR BRANCH CIRCUITS IS TO KEEP SALES FLOOR CEILINGS AVAILABLE FOR OTHER UTILITIES. ALL POWER NOT TO BE ROUTED IN BELOW-GRADE CONDUITS SHALL BE ROUTED AT DISCRETION OF CONTRACTOR.

LIGHTING CONTROLS ASHRAE 90.1 EXCEPTIONS:

QUIKTRIP IS A 24/7 365 DAYS/YEAR FACILITY AND NOT SUBJECT TO HOLIDAY SCHEDULING.

SALES FLOOR, RESTROOMS, CHECKSTAND, AND SERVICE COUNTER ARE DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT ARE REQUIRED TO BE CONTINUOUSLY LIGHTED.

THIS FACILITY MEETS THE DAYLIGHT-RESPONSIVE CONTROLS EXCEPTION 3 OF ASHRAE 90.1 SECTION 9.4.1.(e) FOR RETAIL AREAS.

CONTROL ZONES:

- a. SALES FLOOR SIDES EMERSON CONTROL
- b. SALES FLOOR CENTER EMERSON CONTROL
- c. COFFEE DIRECTIONAL LIGHTS
- d. FOUNTAIN DIRECTIONAL LIGHTS
- e. "KITCHENS" SIGN
- f. ROLLER GRILL LIGHTS
- g. SALES FLOOR FRONT CENTER EMERSON CONTROL
- h. FRONT FSC COUNTER DOWNLIGHTS
- i. FSC CEILING DOWNLIGHTS
- j. FSC HOOD DOWNLIGHTS

ALL LIGHTING FIXTURES LOCATED ABOVE FOOD/BEVERAGE HANDLING, PREPARATION, STORAGE, DISPLAY, AND UTENSIL WASH AREAS HAVE INTEGRAL SHIELDING. ILLUMINATION LEVELS WILL MEET MINIMUM LEVELS PRESCRIBED BY HEALTH DEPT.

CONDUITS FEEDING COOLER CEILING LIGHTS MUST BE SEALED WITH SEALANT WHICH IS LISTED AND LABELED FOR THE USE TO PREVENT CONDENSATION IN GLOBES.

- 1 QT SIGN FURNISHED BY QUIKTRIP. PROVIDE JUNCTION BOX FOR QUIKTRIP SIGNAGE LOCATED ABOVE ACCESSIBLE CEILING OR FLUSH IN WALL AS INDICATED. PROVIDE SWITCH WHERE REQUIRED.
- 2 RUN THROUGH EMERSON BUILDING MANAGEMENT SYSTEM OUTSIDE LIGHTING CONTROL SYSTEM.
- 3 CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTS INDICATED. REFER TO LIGHT FIXTURE SCHEDULE.
- 4 LIGHTING CONTROL EQUIPMENT LOCATED IN THIS AREA. RE: AI-E503 FOR ELEVATION OF THIS AREA.
- 5 FIXTURE EQUIPPED WITH EMERGENCY BALLAST AND BATTERY PACK FOR EGRESS LIGHTING. RUN EXTRA UNSWITCHED HOT WIRE FOR EMERGENCY FIXTURE BYPASSING LIGHTSWITCHING AS INDICATED.
- 6 PROVIDE JUNCTION BOX AND ALL ELECTRICAL CONNECTIONS FOR BUILDING L.E.D. LIGHTING SYSTEM. LED SYSTEM PROVIDED BY OTHERS. JUNCTION BOX SUPPLYING REMOTE POWER SUPPLIES SHALL BE LOCATED ABOVE CEILING AND ACCESSIBLE FROM LAY-IN CEILING AREA. HOLE THROUGH STRUCTURAL STEEL CHANNEL IS PROVIDED FOR CONDUIT ROUTING WHERE INDICATED.

- 7 LIGHTSWITCH BANK FOR STORE LIGHTS. LABEL EACH SWITCH FOR THE AREA SERVED. REFERENCE CONTROL ZONE TABLE. PROVIDE NEUTRAL TO EACH SWITCH AS SHOWN.
- 8 NOT USED.
- 9 ELECTRICAL WIRING FOR COOLERS AND FREEZERS TO RUN EXTERIOR OF BOX WHEN POSSIBLE. DO NOT RUN CONDUITS ON INTERIOR CEILING OF BOX. SEAL ALL COOLER/FREEZER PENETRATIONS WITH CLEAR SILICONE INCLUDING SEAL-OFF FITTINGS WITH LISTED SEALANT FOR CONDUIT INTERIORS.
- 10 CONDUIT AND BOX EMBEDDED IN BLOCK WALL.
- 11 ROUTE THROUGH WALL AS HIGH AS POSSIBLE, THEN TURN UP TO ROUTE WITHIN STRUCTURE OVER TO J-BOX LOCATIONS.
- 12 ROUTE 0-10V CONTROL WIRES TO QT FURNISHED EMERSON LDM BOARD AT LIGHTING PANEL. REFERENCE AI-E503 FOR ELEVATION, REFERENCE QT INSTALL DRAWINGS FOR LOW VOLTAGE WIRING.
- 13 NOT USED.
- 14 NOT USED.
- 15 JUNCTION BOX ABOVE CEILING FOR RECEPTACLE AND LIGHTING CIRCUITS. RE: E103.

REFER TO SHEET E602 FOR LIGHT FIXTURE CALLOUTS.

REFER TO SHEET E602 FOR EQUIPMENT CALLOUTS.

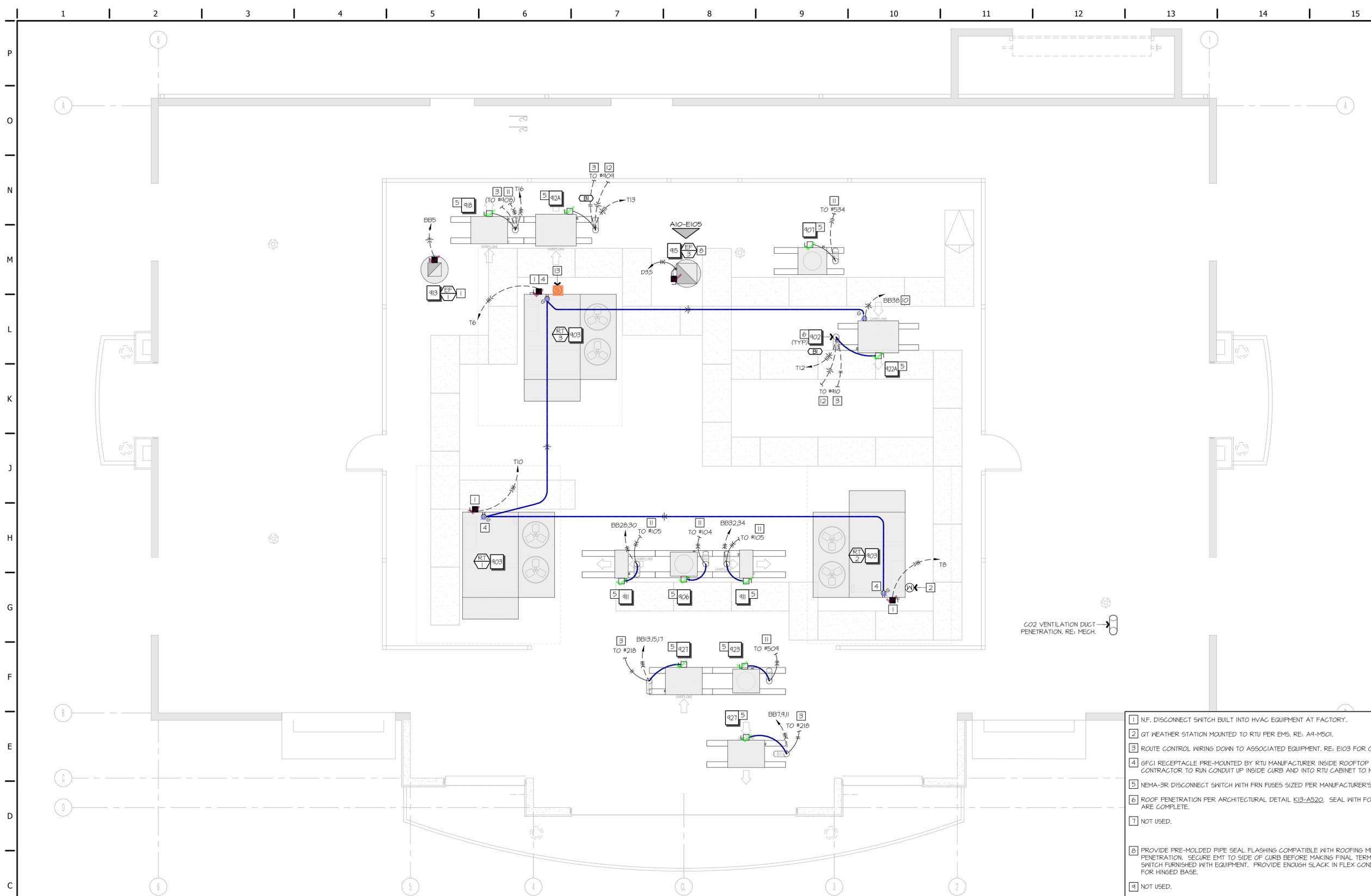
ALL DEVICES SHOWN WITH CIRCUIT PANEL DESIGNATION SHALL BE HOME-RUN WITH 3/12 IN 1/2" CONDUIT UNLESS OTHERWISE NOTED. DO NOT SHARE NEUTRALS UNLESS SPECIFICALLY NOTED.

A1 ELECTRICAL LIGHTING REFLECTED CEILING PLAN

A9 PLAN NOTES



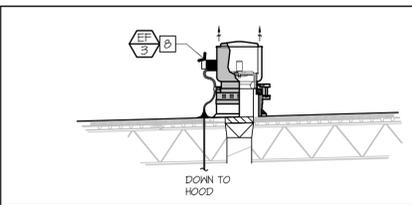
Legend	
	Conduits
	Disconnect Switch, Furnished w/ Equipment
	Disconnect Switch
	GFI Duplex Receptacles
	Sensor For Emerson Management System



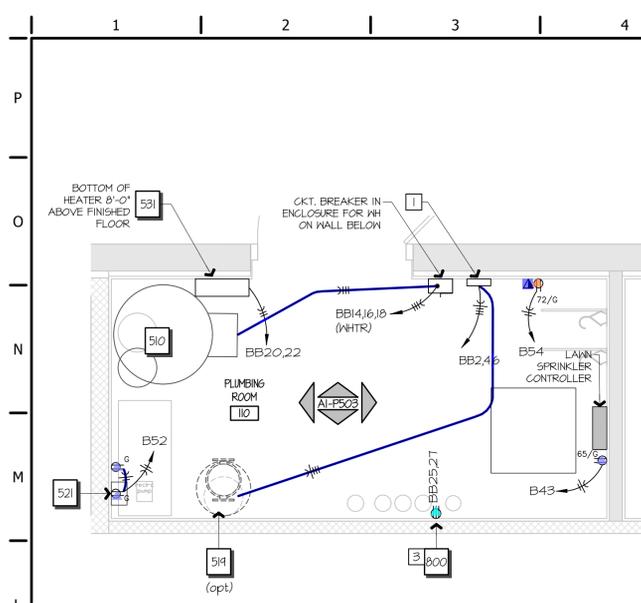
- 1 N.F. DISCONNECT SWITCH BUILT INTO HVAC EQUIPMENT AT FACTORY.
- 2 QT WEATHER STATION MOUNTED TO RTU PER EMS, RE: A4-M501.
- 3 ROUTE CONTROL WIRING DOWN TO ASSOCIATED EQUIPMENT, RE: E103 FOR CONTINUATION.
- 4 GFCI RECEPTACLE PRE-MOUNTED BY RTU MANUFACTURER INSIDE ROOFTOP UNIT CABINET. ELECTRICAL CONTRACTOR TO RUN CONDUIT UP INSIDE CURB AND INTO RTU CABINET TO MAKE 120V POWER CONNECTION.
- 5 NEMA-3R DISCONNECT SWITCH WITH FRN FUSES SIZED PER MANUFACTURER'S RECOMMENDATIONS.
- 6 ROOF PENETRATION PER ARCHITECTURAL DETAIL K13-A520. SEAL WITH FOAM AFTER POWER AND REF LINES ARE COMPLETE.
- 7 NOT USED.
- 8 PROVIDE PRE-MOLDED PIPE SEAL FLASHING COMPATIBLE WITH ROOFING MEMBRANE FOR EMT CONDUIT PENETRATION. SECURE EMT TO SIDE OF CURB BEFORE MAKING FINAL TERMINATION INTO N.F. DISCONNECT SWITCH FURNISHED WITH EQUIPMENT. PROVIDE ENOUGH SLACK IN FLEX CONDUIT FOR FULL RANGE OF MOTION FOR HINGED BASE.
- 9 NOT USED.
- 10 PROVIDE NEW GFCI RECEPTACLE MOUNTED TO CONDENSING UNIT.
- 11 CIRCUITING TO/FROM ASSOCIATED EQUIPMENT BELOW, RE: E103.
- 12 ROUTE POWER DOWN TO SOLENOID VALVE, RE: MANUFACTURER'S WIRING DIAGRAM FOR MORE INFORMATION.
- 13 QT IRRIGATION WEATHERMATIC SENSOR MOUNTED TO RTU, RE: QT INSTALL DRAWINGS.
- 14 NOT USED.

NOTE: HIDDEN LINES DEPICT ELEMENTS THAT ARE BELOW THE ROOF

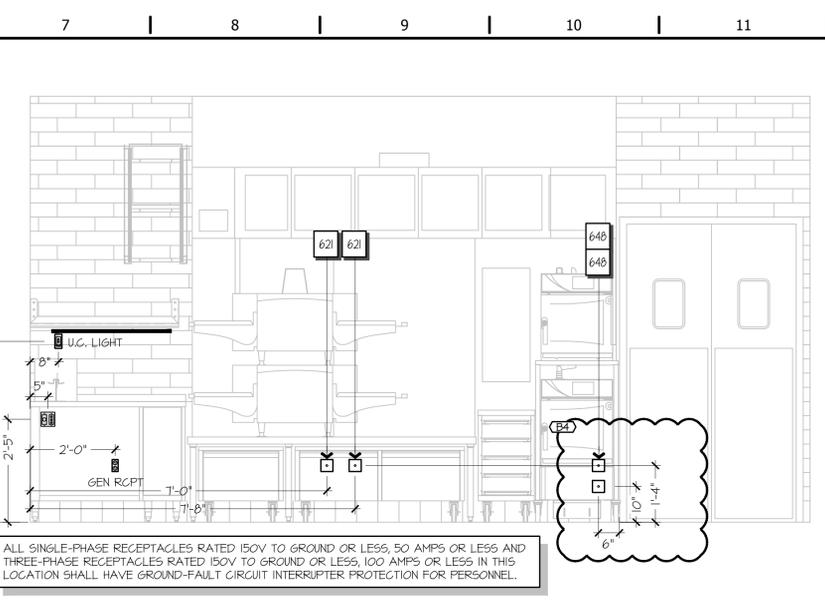
REFER TO SHEET E602 FOR EQUIPMENT CALLOUTS.
 ALL DEVICES SHOWN WITH CIRCUIT PANEL DESIGNATION SHALL BE HOME-RUN WITH 3/12 IN 1/2" CONDUIT UNLESS OTHERWISE NOTED. DO NOT SHARE NEUTRALS UNLESS SPECIFICALLY NOTED.
 REFER TO RISER DIAGRAM, SHEET E504 FOR ADDITIONAL WIRE SIZING INFORMATION.



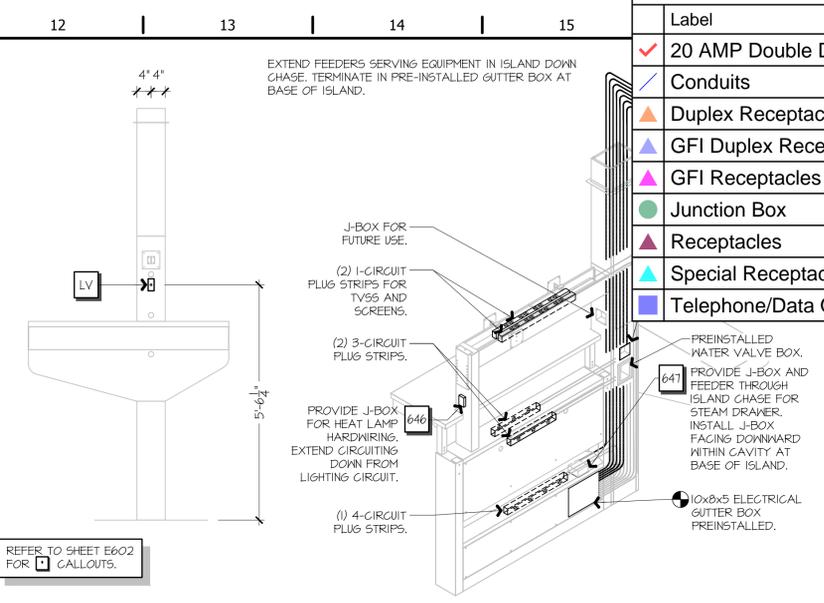
Legend		Quantity
✓	20 AMP Double Duplex Receptacles	1
—	Conduits	14.81
▲	Duplex Receptacles	11
▲	GFI Duplex Receptacles	3
▲	GFI Receptacles	1
●	Junction Box	8
▲	Receptacles	1
▲	Special Receptacle	6
■	Telephone/Data Outlet	3



- L1 ELECTRICAL ENLARGED PLUMBING ROOM**
 1/8" = 1'-0" A1-E103
- OPTIONAL DISCONNECT SWITCH, CONTROLLER, AND FINAL CONNECTION TO WATER BOOSTER PUMP. VERIFY ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION. REFER TO PLUMBING DRAWINGS FOR ELEVATIONS OF THIS WALL. IF NO BOOSTER PUMP IS BEING INSTALLED, THEN FURNISH JUNCTION BOXES AND EMPTY CONDUIT TO CEILING FOR FUTURE USE. RE: E602.
 - NOT USED.
 - J-BOX WITH 1/2" EMPTY CONDUIT & FULLSTRING STUBBED 6" ABOVE CEILING FOR POWER WASHER CONTROLS.



ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50 AMPS OR LESS AND THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100 AMPS OR LESS IN THIS LOCATION SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.



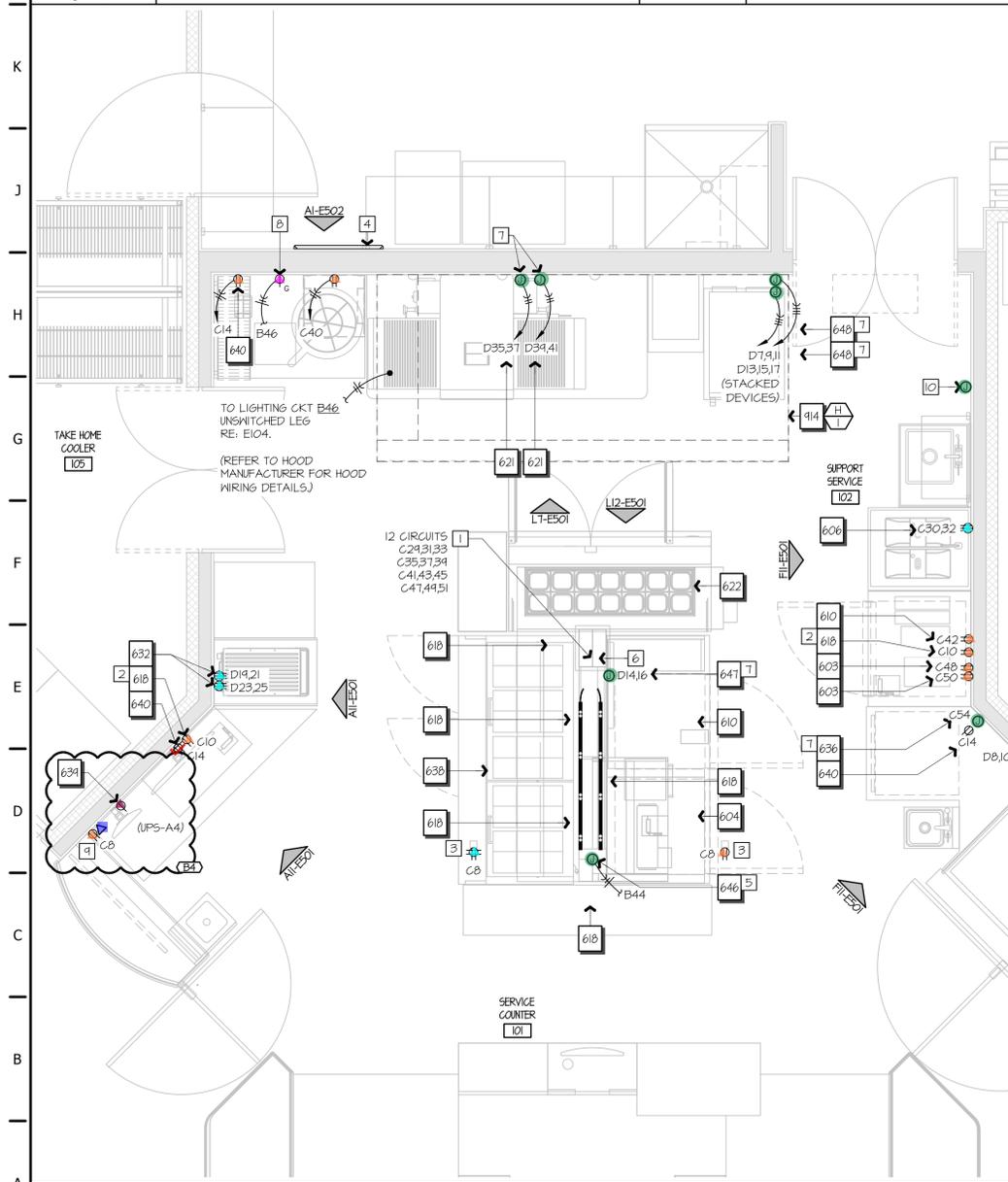
REFER TO SHEET E602 FOR □ CALLOUTS.

L1 ELECTRICAL ENLARGED PLUMBING ROOM
 1/8" = 1'-0" A1-E103

L4 PLUMBING ROOM NOTES

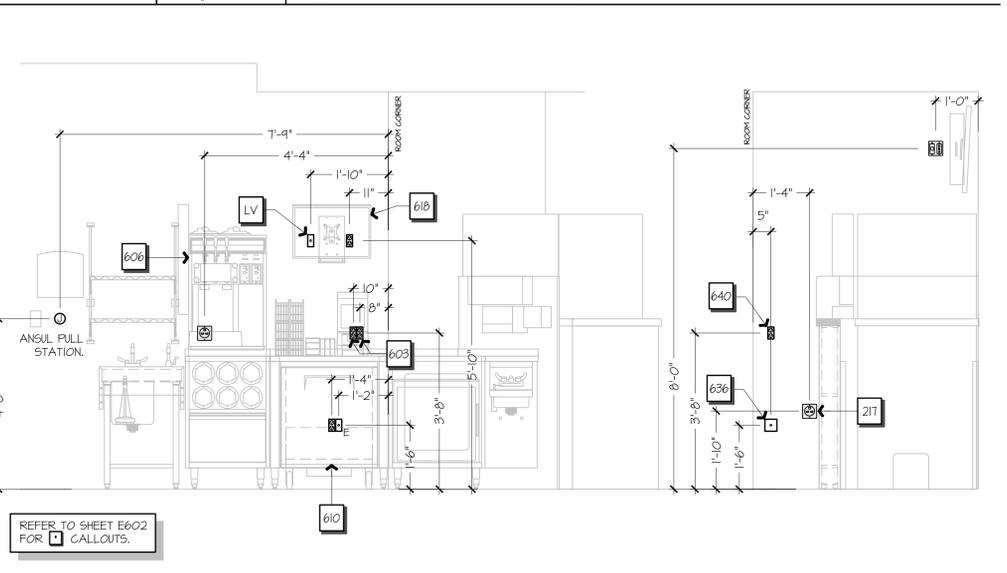
L7 FSC REAR ELEVATION
 1/8" = 1'-0" A1-E501

L12 FSC ISLAND ISOMETRIC
 1/8" = 1'-0" A1-E501



- G7 SERVICE COUNTER PLAN NOTES**
- FIVE MULTI-CIRCUIT PLUG STRIPS WITH MC CABLE WHIPS IN ISLAND. CONTRACTOR TO RUN CIRCUITS UP CHASE TO CEILING AND HOME RUN TO PANEL. REFER TO DETAIL L12-E501.
 - PROVIDE TVSS RECEPTACLE, LEVITON MODEL 5380-B.
 - TVSS RECEPTACLE, LEVITON MODEL 5380-B SURFACE MOUNTED TO MONITOR SUPPORT. INSTALL JUST BELOW THE CEILING TOWARDS THE CENTER.
 - PATCH PANEL.
 - PROVIDE J-BOX ON THE FACE OF THE ISLAND FOR EQUIPMENT [646] HARDWIRE CONNECTION. EXTEND CIRCUITING FROM LIGHTING CIRCUIT SWITCHED LEG. RE: E104. PROVIDE LABEL ON J-BOX WITH CIRCUIT NUMBER. LOCKABLE CIRCUIT BREAKER SHALL ACT AS A MEANS OF DISCONNECT PER NEG SECTION 422.3(B).
 - REMOVE EXISTING PREINSTALLED ESPRESSO RECEPTACLE AND WIRING DOWN TO GUTTER BOX.
 - PROVIDE HARD CONNECTION TO EQUIPMENT. PROVIDE LABEL ON JUNCTION BOX WITH CIRCUIT NUMBER. LOCKABLE CIRCUIT BREAKER SHALL ACT AS MEANS OF DISCONNECT PER NEG SECTION 422.3(B). ENSURE A MINIMUM OF 4' OF EXTRA CORD IS PROVIDED ON ALL HARDWIRED EQUIPMENT FOR MAINTENANCE.
 - PROVIDE GFCI SIMPLEX RECEPTACLE AND CONNECT TO FSC LIGHTING CIRCUIT. RE: E504.
 - TVSS RECEPTACLE, LEVITON MODEL 5380-B MOUNTED ON WALL ADJACENT TO MENU BOARD. INSTALL DATA OUTLET FOR MENU BOARD. RE: F11-E501, A11-E501.
 - PROVIDE OCTAGONAL J-BOX AND 1/2" CONDUIT WITH PULLEY STYLE ELBOWS TO HOOD FOR ANSUL PULL STATION. RE: F11-E501 FOR ELEVATION.

G7 SERVICE COUNTER PLAN NOTES



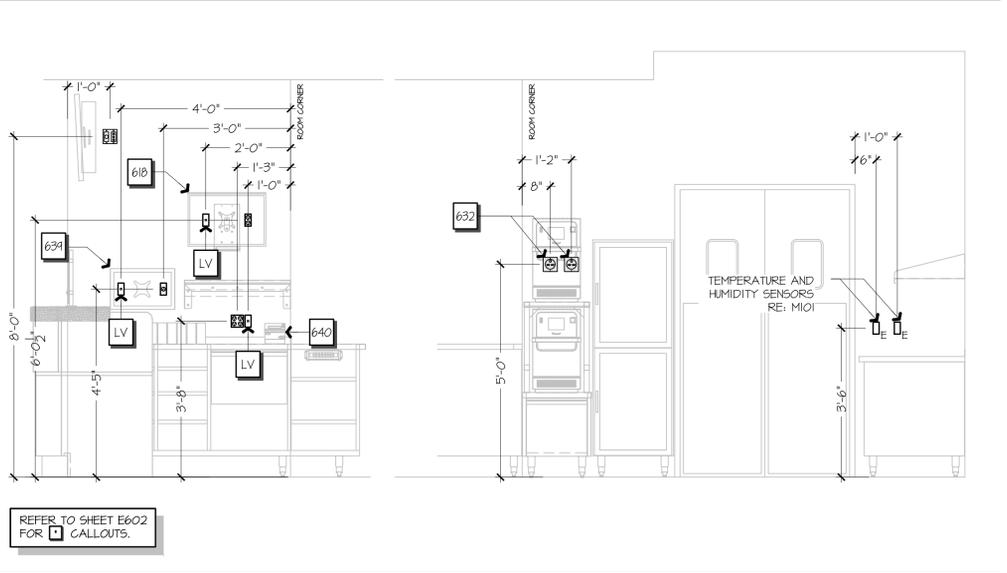
REFER TO SHEET E602 FOR □ CALLOUTS.

F11 FSC RIGHT ELEVATION
 1/8" = 1'-0" A1-E501

A1 ELECTRICAL ENLARGED SERVICE COUNTER PLAN
 1/8" = 1'-0" A1-E103

ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50 AMPS OR LESS AND THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100 AMPS OR LESS IN THIS LOCATION SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

REFER TO GT INSTALL DRAWINGS FOR DETAILS OF THIS AREA WITH EXACT LOCATIONS OF DEVICES.



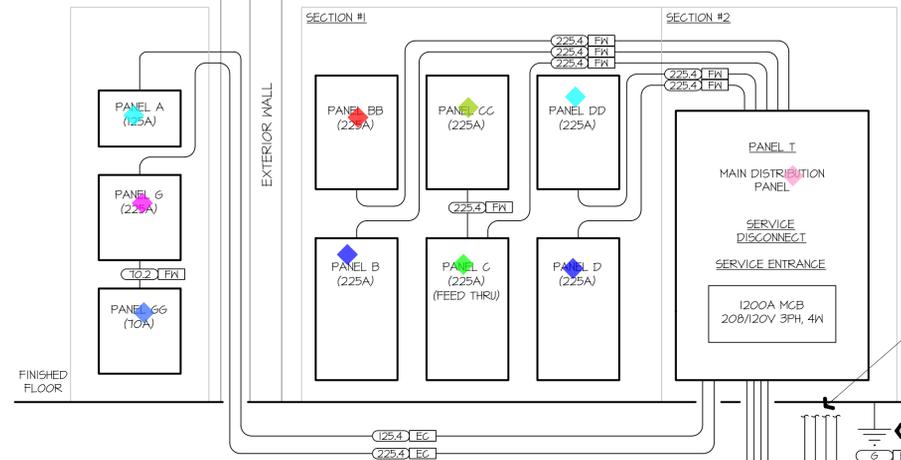
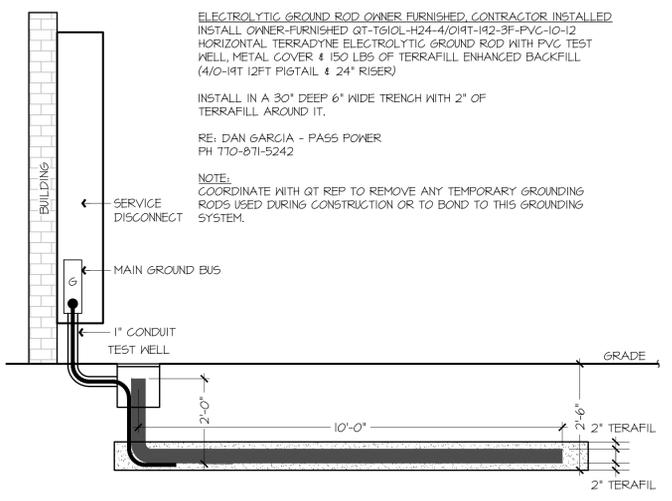
REFER TO SHEET E602 FOR □ CALLOUTS.

A11 FSC LEFT ELEVATION
 1/8" = 1'-0" A1-E501



Legend			
Label	Quantity	Unit	
◆ Type A - Panel Board	1	Count	
◆ Type B - Panel Board	1	Count	
◆ Type BB - Panel Board	1	Count	
◆ Type C - Panel Board	1	Count	
◆ Type CC - Panel Board	1	Count	
◆ Type D - Panel Board	1	Count	
◆ Type DD - Panel Board	1	Count	
◆ Type G - Panel Board	1	Count	
◆ Type GG - Panel Board	1	Count	
◆ Type T - Panel Board	1	Count	

THE SERVICE EQUIPMENT FOR THIS PROJECT SHALL BE REVIEWED FOR COMPLIANCE WITH THE UTILITY PROVIDER FOR THEIR REQUIREMENTS IN REGARDS TO ANY ALTERATION FROM THE APPROVED REQUIRE RE-SUBMITTAL TO DETERMINE COMPLIANCE WITH THE NEC ELECTRICAL CODE.

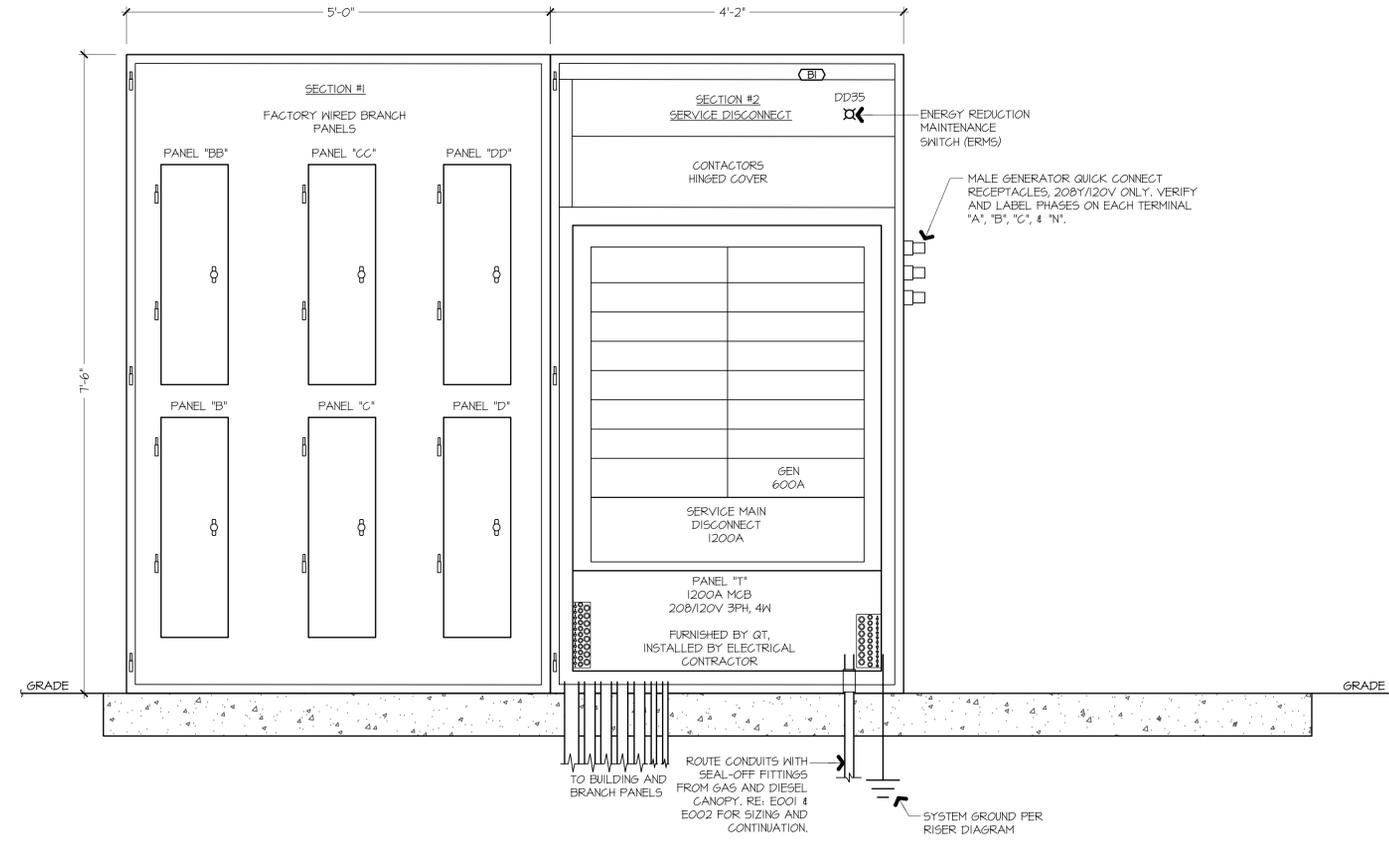


FEEDER SCHEDULE

SERVICE	DESCRIPTION
(4)	SETS OF (4) #350 CU IN 3" C FROM UTILITY TRANSFORMER
(4)	SETS OF (4) #500 AL IN 3" C FROM UTILITY TRANSFORMER
(10/2)	10A - (2) #4, (1) #6 G, 1-1/2" C
(125/4)	125A - (4) #1, (1) #6 G, 1-1/2" C
(150/3)	150A - (3) 1/0, (1) #6 G, 1-1/2" C
(225/4)	225A - (4) 4/0, (1) #4 G, 2-1/2" C
(6)	(1) 3/0 G
(FX)	FACTORY WIRED CONDUITS & CONDUCTORS
(EC)	ELECTRICAL CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

J1 ELECTROLYTIC GROUND ROD
 1/2" = 1'-0"
 A1-E102, J6-E504

J6 ELECTRICAL RISER DIAGRAM
 NOT TO SCALE

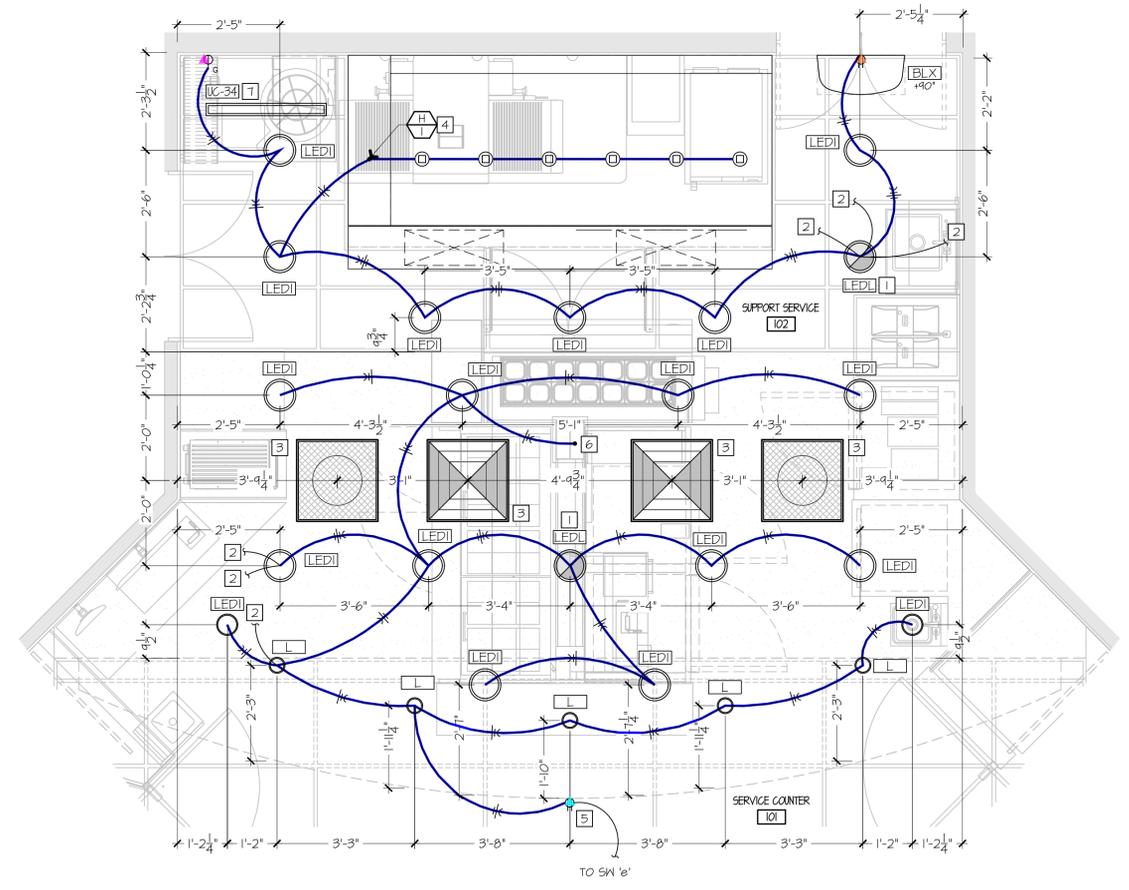
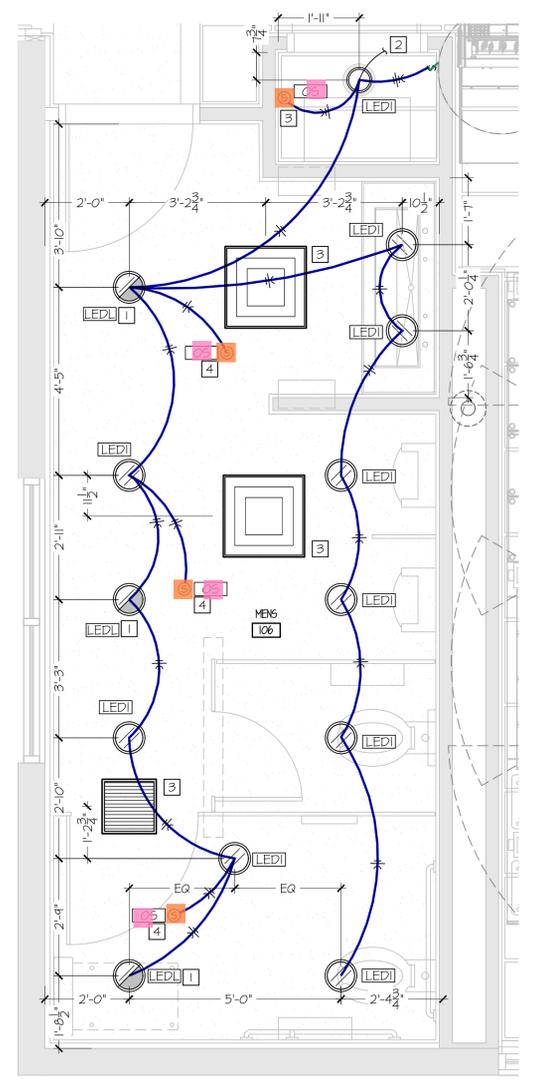
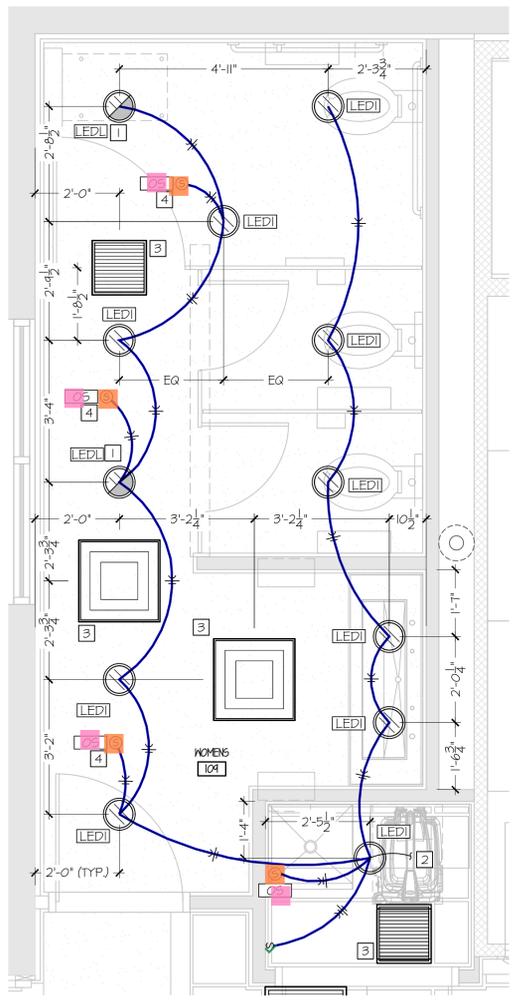


ALL CONDUCTORS ROUTED WITHIN BELOW GRADE CONDUITS SHALL BE DERATED AND SIZED PER NEC TABLE 310.15(C)(1) REQUIREMENTS.
 THE INTENT OF BELOW GRADE CONDUITS FOR BRANCH CIRCUITS IS TO KEEP SALES FLOOR CEILING AVAILABLE FOR OTHER UTILITIES. ALL POWER NOT NOTED TO BE ROUTED IN BELOW-GRADE CONDUITS SHALL BE ROUTED AT DISCRETION OF CONTRACTOR.

UNLESS OTHERWISE NOTED, ALL CONDUITS SHALL BE BELOW GRADE.

A1 EXTERIOR ELECTRICAL PANEL WALL ELEVATION
 1" = 1'-0"
 A1-E103

Legend		Q
	Conduits	23
	Duplex Receptacles	1
	GFI Receptacles	1
	Occupancy Sensor	8
	Sensor For Emerson Management System	8
	Single Pole Switch	2
	Special Receptacle	1



- 1 FIXTURE EQUIPPED WITH EMERGENCY BALLAST AND BATTERY PACK FOR EGRESS LIGHTING. RUN EXTRA UNSWITCHED HOT WIRE FOR EMERGENCY FIXTURE BYPASSING LIGHTSWITCHING AS INDICATED.
- 2 RE: E104 FOR CIRCUITING AND SWITCHING.
- 3 RE: M101 FOR DUCT ROUTING.
- 4 CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTS INDICATED. REFER TO LIGHT FIXTURE SCHEDULE.

- 1 FIXTURE EQUIPPED WITH EMERGENCY BALLAST AND BATTERY PACK FOR EGRESS LIGHTING. RUN EXTRA UNSWITCHED HOT WIRE FOR EMERGENCY FIXTURE BYPASSING LIGHTSWITCHING AS INDICATED.
- 2 RE: E104 FOR CIRCUITING AND SWITCHING.
- 3 RE: M101 FOR DUCT ROUTING.
- 4 CONNECT UNSWITCHED LEG TO HOOD PANEL FOR HOOD LIGHTS & HOOD CONTROL PANEL. RE: E501.
- 5 QT "KITCHENS" SIGN FURNISHED BY QUIKTRIP. PROVIDE RECEPTACLE LOCATED IN ACCESSIBLE LOCATION RECESSED WITHIN SOFFIT AS INDICATED FOR QUIKTRIP SIGNAGE. PROVIDE SWITCH AS SHOWN.
- 6 EXTEND LIGHTING CIRCUIT TO HEAT LAMP RECEPTACLE WITHIN FSC ISLAND. RE: E501.
- 7 INSTALL FIXTURE 3" FROM FRONT EDGE AND CENTERED UNDER SHELF. EXTEND LIGHTING CIRCUIT TO UNDERCABINET LIGHT RECEPTACLE. RE: E501 & E601.

A1 LIGHTING ENLARGED RESTROOMS PLAN
 1/8" = 1'-0"
 A1-E104

A5 PLAN NOTES

A9 LIGHTING ENLARGED FSC PLAN
 1/8" = 1'-0"
 A1-E104

A13 PLAN NOTES

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ELECTRICAL EQUIPMENT LIST AND CONNECTION SCHEDULE

TAG #	DESCRIPTION	MAKE & MODEL	VOLTAGE / PHASE / WIRE	LOAD AMPS	TYPE OF CONNECTION	WIRE AND CONDUIT	MOUNTING HEIGHT (AFF)	FURNISHED BY	ITEM REMARKS
101	BRENED TEA DISPENSER	BIANN #41400.002	120/1/3W	14.2	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	NOTE 9
102	FOUNTAIN MACHINE	CORNELIUS ED #350-8	120/1/3W	3.5	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	PROVIDE CORD AND PLUG FOR DISCONNECT IF NOT ALREADY EQUIPPED
103	FOUNTAIN MACHINE	CORNELIUS ED #350-12	120/1/3W	5.2	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	PROVIDE CORD AND PLUG FOR DISCONNECT IF NOT ALREADY EQUIPPED
104	CUBED ICE MAKER - 1000LB	MANITOWOC #HT1200N	208/1/3W	11.0	NEMA 16-30R	3#12 IN 1/2" C	18"	GT	NOTE 8 / REMOTE CONDENSER #JG-0845A (EQUIP #406)
105	CRUSHED ICE MAKER - 2000LB	CORNELIUS #KCC200IR	208/1/3W	18.6	NEMA 16-30R	3#10 IN 1/2" C	18"	GT	NOTE 2 / REMOTE CONDENSER #CR-1200 (EQUIP #411)
106	FREEZONI MACHINE	FBD #T14	208/1/3W	23.0	NEMA 16-30R	3#10 IN 1/2" C	26"	GT	NOTE 4
108	SMOOTHIE MACHINE	BIANN #ULTRA-2 PAF	120/1/3W	15.0	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
109	COFFEE MACHINE	BIANN #33500.0013	120/208/1/4W	24.1	NEMA 14-50R	3#8 #10 6 1" C	26"	GT	NOTE 10
110	CAPPUCCINO MACHINE	BIANN #MIX3	120/1/3W	15.0	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
116	LOTTO TICKET READER		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	12"	GT	
117	ATM		120/1/3W	2.0	NEMA 5-20R	3#12 IN 1/2" C	12"	GT	
204	BUN WARMER	STAR #55T-45HC	120/1/3W	4.3	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
205	ROLLER GRILLS	NEMCO DIGITAL ROLLERGRILL	120/1/3W	11.4	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
207	MICROWAVE	AMANA HDG12A	120/1/3W	16.8	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
208	CHILI & CHEESE MACHINE	STAR #HPDE2-4	120/1/3W	8.0	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
213	COLD BAR	APK #YOTT #RTR-8	120/1/3W	4.0	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
214	FLOOR ACCESS PANEL	JOSAM #58646-10	-	-	-	-	-	GT	10"X10" ACCESS PANEL WITH SCORRIATED COVER.
215	RECESSED FLOOR BOX	HUBBELL #RF406BR	120/1/3W	-	NEMA 5-20R	3#12 IN 1/2" C	-	GC	
217	5-TIER HOT DISPLAY	RPI #UTALL FLEXESERVE #FXZNA10555	208/1/3W	28.1	NEMA 6-30P	3#10 IN 1/2" C	*	GT	*NOTE 5
218	END CAP FLOOR COOLER	OASIS F5E663R	120/1/3W	7.8	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	
300	POINT OF SALE	NCR REALPOS XRT PLUS (T103)	120/1/3W	2.2	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
301	INTERCOM MICROPHONE	TMK-4I	120/1/3W	2.0	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
304	COMPUTER		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
305	LOTTO MACHINE		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
306	CASH CONTROLLER SAFE		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
307	BILL READER SAFE		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
310	PRINTER/COPIER	LASERJET PRO MFP	120/1/3W	5.0	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 6
311	COUNTERTOP REFRIGERATOR		120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	30"	GT	
313	NOT USED								
401	ANTHONY COOLER DOOR		120/1/3W	6.0	N.F.D.S.	3#12 IN 1/2" C	TOP OF FRAME	GT	
405	ICE MERCHANDISER	TRUE #DIM-49NT-LD	120/1/3W	10.2	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	
406	NOVELTY ICE CREAM	TRUE #DM-26-HC-TSL01	120/1/3W	5.4	NEMA 5-20R	3#12 IN 1/2" C	18"	GT	
500	ICE BAGGER	FOLLETT #DB1000	208/1/3W	5.0	NEMA 6-15R	3#12 IN 1/2" C	SEE PLANS	GT	
507	AIR COMPRESSOR	MULTIPLYX #PKV3D	120/1/3W	6.0	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
504	MULTIPLYX	MULTIPLYX #50MR04	208/3/4W	17.0	HARDWIRED	4#10 IN 1/2" C	84"	GT	PROVIDE 20A CIRCUIT BREAKER IN ENCLOSURE FOR DISCONNECT.
510	WATER HEATER	RUID #85A-21-6	208/3/4W	75.0	SEE NOTE	3#3 & 1#8 IN 1-1/4" C	48"	PC	PROVIDE 100A CIRCUIT BREAKER IN ENCLOSURE FOR DISCONNECT.
511	ELECTRICAL PANELS							GT	REFER TO PANEL SCHEDULES & E503
512	LOW VOLTAGE CABINET							GT	REFER TO SHEET E503
513	UPS	TRIPPLITE SU220ORTXLCD2U	120/1/3W	16.0	NEMA 5-20R	3#12 IN 1/2" C	108"	GT	REFER TO SHEET E503
518	NOT USED								
519	BOOSTER PUMP - OPTIONAL CONTROLLER	GOULDS #56V AQUAVAR CPC #2012I	208/3/5W	15.0	N.F.D.S.	5#10 IN 1/2" C	34"	GT	PROVIDE SQUARE-D DUB21 DISCONNECT SWITCH
520	AIR DOOR	BERNER #CLCO8-1042AA	120/1/3W	3.4	HARDWIRED	3#12 1/2" C	96"	GT	INTEGRAL PRESSURE TRANSDUCER.
521	RECIRCULATION PUMP	GRUNDFOS #UP-15-18 BUC7	120/1/3W	1.1	NEMA 5-20R	3#12 IN 1/2" C	104"	PC	PROVIDE MOTOR RATED SWITCH FOR DISCONNECT.
526	SECURITY CABINET							GT	PROVIDE LINE CORD. RE: PLUMBING SHEETS.
527	CONDENSATE PUMP	LITTLE GIANT VCC-20UL5 554200	120/1/3W	1.5	NEMA 5-20R	3#12 IN 1/2" C	18"	PC	
531	ELECTRIC HEATER	MARKEL #H3316-T2-RPW	208/1/3W	14.4	HARDWIRED	3#12 IN 1/2" C	108"	GT	NOTE 3
534	ICE MAKER FOR BAGGER	MANITOWOC #HT1900N	208/3/4W	13.0	NEMA 15-20R	4#12 IN 1/2" C	SEE PLANS	GT	NOTE 8 / REMOTE CONDENSER #JG-1345A (EQUIP #407)
546	CO2 VENTILATION FAN	CAPTIVEAIRE #FA-300-CA	120/1/3W	2.5	HARDWIRED	3#12 IN 1/2" C	SEE PLANS	GT	PROVIDE MOTOR RATED SWITCH FOR DISCONNECT ON ADJACENT STRUCTURE.
548	NOT USED								
550	FREEZER HEAT TRACE	RAYCHEM #H51-18P	120/1/3W	0.8	NEMA 5-20R	3#12 IN 1/2" C	96"	PC	PROVIDE W/P COVER WITH GFCI.
600	PASTRY CASE	ENGORE #DR5T23	120/1/3W	3.4	NEMA 5-15R	3#12 IN 1/2" C	-	GT	
601	CUSTOMER ORDER MACHINE	HEWLETT PACKARD #RP9 G1 #910B	120/1/3W	1.9	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
603	BLENDER	VITAMIX #36014	120/1/3W	15.0	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 5
604	UNDERCOUNTER FREEZER	TRUE #TUC-21F	120/1/3W	3.2	NEMA 5-15R	3#12 IN 1/2" C	*	GT	*NOTE 5
606	ICE CREAM MACHINE	STOELTING #F-144	208/1/3W	11.0	NEMA 6-20R	3#12 IN 1/2" C	*	GT	*NOTE 5
610	UNDERCOUNTER REFRIGERATOR	TRUE #TUC-21	120/1/3W	3.9	NEMA 5-15R	3#12 IN 1/2" C	18"	GT	
611	DISHWASHER	MOYER #DIEBEL #201HT-M4, 9KW BOOSTER	120/208/1/4W	45.0	NEMA 14-60R	4#6 IN 1" C	18"	GT	
618	LCD SCREEN		120/1/3W	2.0	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*NOTE 5
621	PIZZA OVEN	OVENTION #SHUTTLE	208/1/3W	4.5	HARDWIRED	3#8 IN 3/4" C	16"	GT	NOTE 11
622	60" PIZZA COLD PREP TABLE	TRUE #T55U-60-16	120/1/3W	7.8	NEMA 5-15R	3#12 IN 1/2" C	*	GT	*NOTE 5
632	SUB OVEN	ACP #MRX20T	208/1/3W	23.5	NEMA 6-30R	3#10 IN 1/2" C	*	GT	*NOTE 5
636	PIZZA HOLDING CABINET	HATCO #CPHC-24	120/1/3W	9.2	HARDWIRED	3#12 IN 1/2" C	26"	GT	NOTE 11
638	T2" SUB COLD PREP TABLE	TRUE #TFP-T2-30M-D-2	120/1/3W	5.1	NEMA 5-20R	3#12 IN 1/2" C	*	GT	*IN UNDERSIDE OF UTILITY CHASE AT FSC ISLAND
639	KLM SCREEN		120/1/3W	-	NEMA 5-20R	3#12 IN 1/2" C	26"	GT	
640	PRINTER		120/1/3W	1.0	NEMA 5-20R	3#12 IN 1/2" C	SEE PLANS	GT	
646	HEAT LAMP	HATCO USAHL-18	120/1/3W	5.9	HARDWIRED	3#12 IN 1/2" C	*	GT	*NOTE 5, NOTE 11
647	STEAM DRAINERS	ANTUNES #INFINSTEAM	208/1/3W	41.0	HARDWIRED	3#6 IN 3/4" C	*	GT	*NOTE 5, NOTE 11
648	COMBI OVEN	CONVOTHERM #EASYTOUGH	208/3/4W	17.9	HARDWIRED	4#10 IN 1/2" C	*	GT	*NOTE 5, NOTE 11
800	POWER WASHER	SMT #2000	208/1/3W	26.0	NEMA 16-30R	3#10 IN 1/2" C	56"	GT	NOTE 1
801	NOT USED								
902	CANDY CANE ROOF PENETRATION	ROOF PENETRATION						GC	PER ARCHITECTURAL PLANS
903	ROOF TOP UNIT	AAON RN-SERIES	208/3/4W	VARIABLES	N.F.D.S.			GT	REFER TO MECHANICAL SHEETS
906	CUBED ICE MAKER CONDENSER UNIT	MANITOWOC #JC-0845A	208/1/3W	1.3	30A FUSED D.S.	3#12 IN 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #104.
907	ICEMAKER CONDENSER UNIT	MANITOWOC #JC-1345A	208/1/3W	1.3	30A FUSED D.S.	3#12 IN 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #534.
908	WALK-IN FREEZER EVAPORATOR	RUSSELL #RL6E01TDDAL	208/1/3W	1.0	HARDWIRED	3#12 IN 1/2" C		GT	
909	TAKE HOME COOLER EVAPORATOR	RUSSELL #RL6A145ADAL	120/1/3W	3.2	HARDWIRED	3#12 IN 1/2" C		GT	PROVIDE KEYED SWITCH AS DISCONNECT, RE: E103.
910	SINGLES COOLER EVAPORATOR	RUSSELL #RL6A141ADAL	120/1/3W	2.4	HARDWIRED	3#12 IN 1/2" C		GT	PROVIDE KEYED SWITCH AS DISCONNECT, RE: E103.
911	CRUSHED ICE MAKER CONDENSER UNIT	CORNELIUS #CR1200	208/1/3W	2.0	30A FUSED D.S.	3#12 IN 1/2" C		GT	
912A	TAKE HOME COOLER CONDENSING UNIT [100 DEG]	RUSSELL #RF0500E45EB	208/3/4W	28.1	60A FUSED D.S.	3#6 & 1#106 IN 3/4" C		GT	
913	EF-1 EXHAUST FAN	CAPTIVEAIRE #DR33HFA	120/1/3W	4.3	FACTORY	3#12 IN 1/2" C		GT	REFER TO MECHANICAL SHEETS
914	H-1 EXHAUST HOOD	CAPTIVEAIRE #B24ND-2-P5P-F	-	-	-	-		GT	
915	EF-3 EXHAUST FAN	CAPTIVEAIRE #D50HFA	208/1/3W	3.8	FACTORY	3#12 IN 1/2" C		GT	REFER TO MECHANICAL SHEETS
916	TF-1 TRANSFER FAN	CAPTIVEAIRE #FA 500CA	120/1/3W	2.2	NEMA 5-20R	3#12 IN 1/2" C		GT	REFER TO MECHANICAL SHEETS
917	NOT USED								
918	WALK-IN FREEZER CONDENSING UNIT	RUSSELL #RF0250L45EB	208/3/4W	26.0	60A FUSED D.S.	3#6 & 1#106 IN 3/4" C		GT	
922A	SINGLES COOLER CONDENSING UNIT [100 DEG]	RUSSELL #RF0500E45EB	208/3/4W	28.1	60A FUSED D.S.	3#6 & 1#106 IN 3/4" C		GT	
923	MULTIPLYX CONDENSING UNIT	MULTIPLYX #T5-0845	208/1/3W	1.3	30A FUSED D.S.	3#12 IN 1/2" C		GT	WIRED IN CONJUNCTION WITH EQUIP #504
927	END CAP FLOOR COOLER CONDENSING UNIT	BOHN #CH0025MCAZ	208/3/4W	20.0	30A FUSED D.S.	4#10 IN 3/4" C		GT	

NOTES:
 1) PROVIDE GFCI AT BREAKER. CONTRACTOR TO PROVIDE A WATER TIGHT CORD AND PLUG. (#HL26205W & #HL26215W)
 RECEPTACLE SHALL BE RATED FOR "NET LOCATION." REFER TO PLUMBING DRAWINGS FOR ELEVATIONS.
 2) CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#10 AWG, TYPE "SO") AND PLUG.
 3) FURNISHED WITH FACTORY MOUNTED DISCONNECT, THERMOSTAT, AND SURFACE-MOUNTING ADAPTER KIT.
 4) NOT USED.
 5) REFERENCE ELEVATIONS ON SHEET E501.
 6) STACK WITHIN UTILITY CHASE IN MILLWORK. COORDINATE WITH GT MILLWORK DRAWINGS.
 7) NOT USED.
 8) CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#12 AWG, TYPE "SO") AND PLUG.
 9) CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (#8 AWG, TYPE "SO") AND PLUG.
 10) CONTRACTOR SHALL FURNISH AND INSTALL MATCHING CORD (48" LONG, #6 AWG, TYPE "SO") AND PLUG.
 11) DISCONNECT PER LOCKABLE CIRCUIT BREAKER.
 GENERAL NOTES (APPLY TO ALL THE ABOVE):
 A) NOT ALL EQUIPMENT SHOWN IS REQUIRED, REFERENCE PLANS.
 B) 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.
 C) LABEL ALL RECEPTACLES WITH THE NAME OF THE EQUIPMENT THEY SERVE AND CIRCUIT NUMBERS.
 D) RECEPTACLES OR DISCONNECT SWITCHES LOCATED PER PLAN. MOUNT TO WALL OR TO BACK OF WEDGE CAVITY OR CASEWORK AS APPLICABLE.
 E) FURNISHED BY: GT=QUIKTRIP, PC=PLUMBING CONTRACTOR, MC=MECHANICAL CONTRACTOR, EC=ELECTRICAL CONTRACTOR.