



Chick-fil-A

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5200 Buffington Road
Atlanta, Georgia
30349-2998

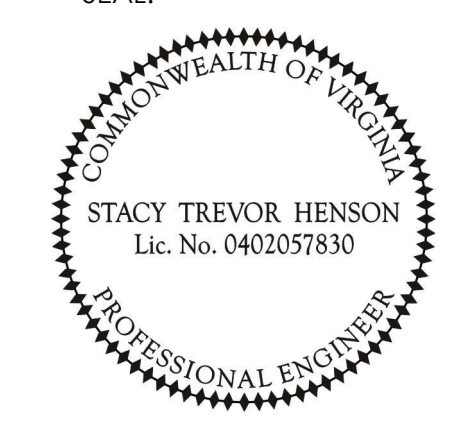
INTERPLAN

INTERPLAN LLC
AR0011595
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTIMONTE SPRINGS, FL 32701
407.645.5038

SEAL:



CHICK-FIL-A
Parham Road
1529 N. Parham Road,
Richmond, VA 23229

FSR#02554

BUILDING TYPE / SIZE: S08-E
RELEASE: 08/24/2022

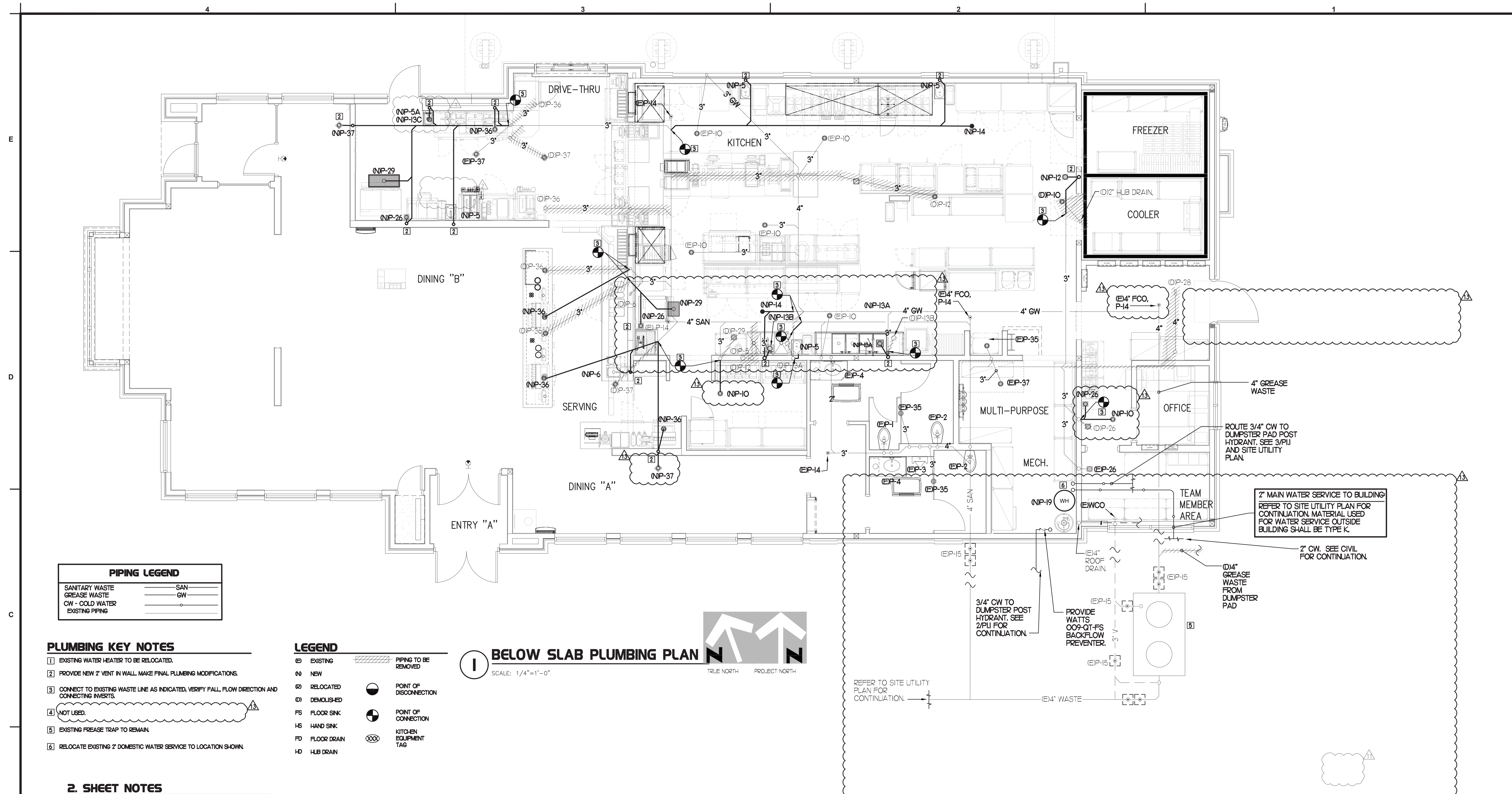
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REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
01	08/24/2022	ISSUE FOR PERMIT
02	08/24/2022	ISSUE FOR PERMIT
03	08/24/2022	ISSUE FOR PERMIT
04	08/24/2022	ISSUE FOR PERMIT
05	08/24/2022	ISSUE FOR PERMIT
06	08/24/2022	ISSUE FOR PERMIT
07	08/24/2022	ISSUE FOR PERMIT
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19	08/24/2022	ISSUE FOR PERMIT
20	08/24/2022	ISSUE FOR PERMIT

CONSULTANT PROJECT # 2020.0759
DATE 08/24/22
DRAWN BY MG
CHECKED BY DAK

BELOW SLAB PLUMBING PLAN

SHEET NUMBER
P1.1



PIPING LEGEND

SANITARY WASTE	SAN
GREASE WASTE	GW
CW - COLD WATER	
EXISTING PIPING	

PLUMBING KEY NOTES

- 1 EXISTING WATER HEATER TO BE RELOCATED.
- 2 PROVIDE NEW 2" VENT IN WALL. MAKE FINAL PLUMBING MODIFICATIONS.
- 3 CONNECT TO EXISTING WASTE LINE AS INDICATED, VERIFY FALL, FLOW DIRECTION AND CONNECTING INVERTS.
- 4 NOT USED.
- 5 EXISTING GREASE TRAP TO REMAIN.
- 6 RELOCATE EXISTING 2" DOMESTIC WATER SERVICE TO LOCATION SHOWN.

LEGEND

- 1 EXISTING PIPING TO BE REMOVED
- 2 NEW
- 3 RELOCATED
- 4 DEMOLISHED
- FS FLOOR SINK
- HS HAND SINK
- FD FLOOR DRAIN
- HD HUB DRAIN
- POINT OF DISCONNECTION
- POINT OF CONNECTION
- KITCHEN EQUIPMENT TAG

1 BELOW SLAB PLUMBING PLAN
SCALE: 1/4"=1'-0"
TRUE NORTH PROJECT NORTH

2. SHEET NOTES

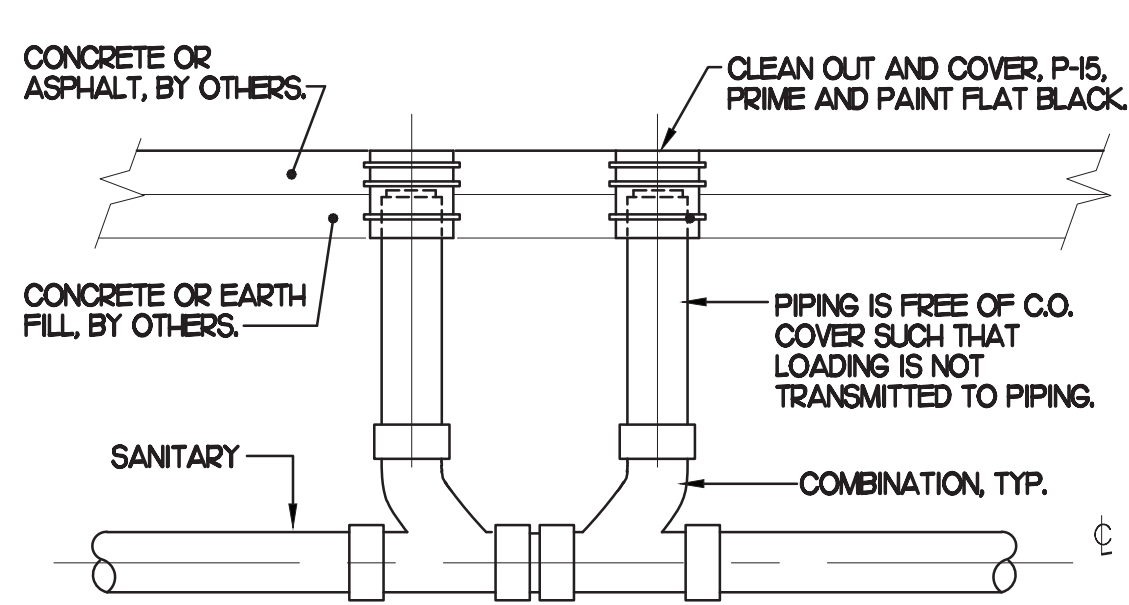
- 1 COORDINATE INSTALLATION OF SANITARY PIPING WITH FOOTINGS IN THE FIELD. SLEEVE PENETRATIONS IN FOOTINGS WITH PVC.
- 2 WHERE REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION, PROVIDE SANITARY WASTE SYSTEM AS OUTLINED IN STATE AND LOCAL CODE AMENDMENTS.
- 3 ALL VENT PIPING TO BE 1/2" DIAMETER UNO. SEE IPSJ FOR VENT LAYOUT.

FIELD VERIFY ALL CONDITIONS

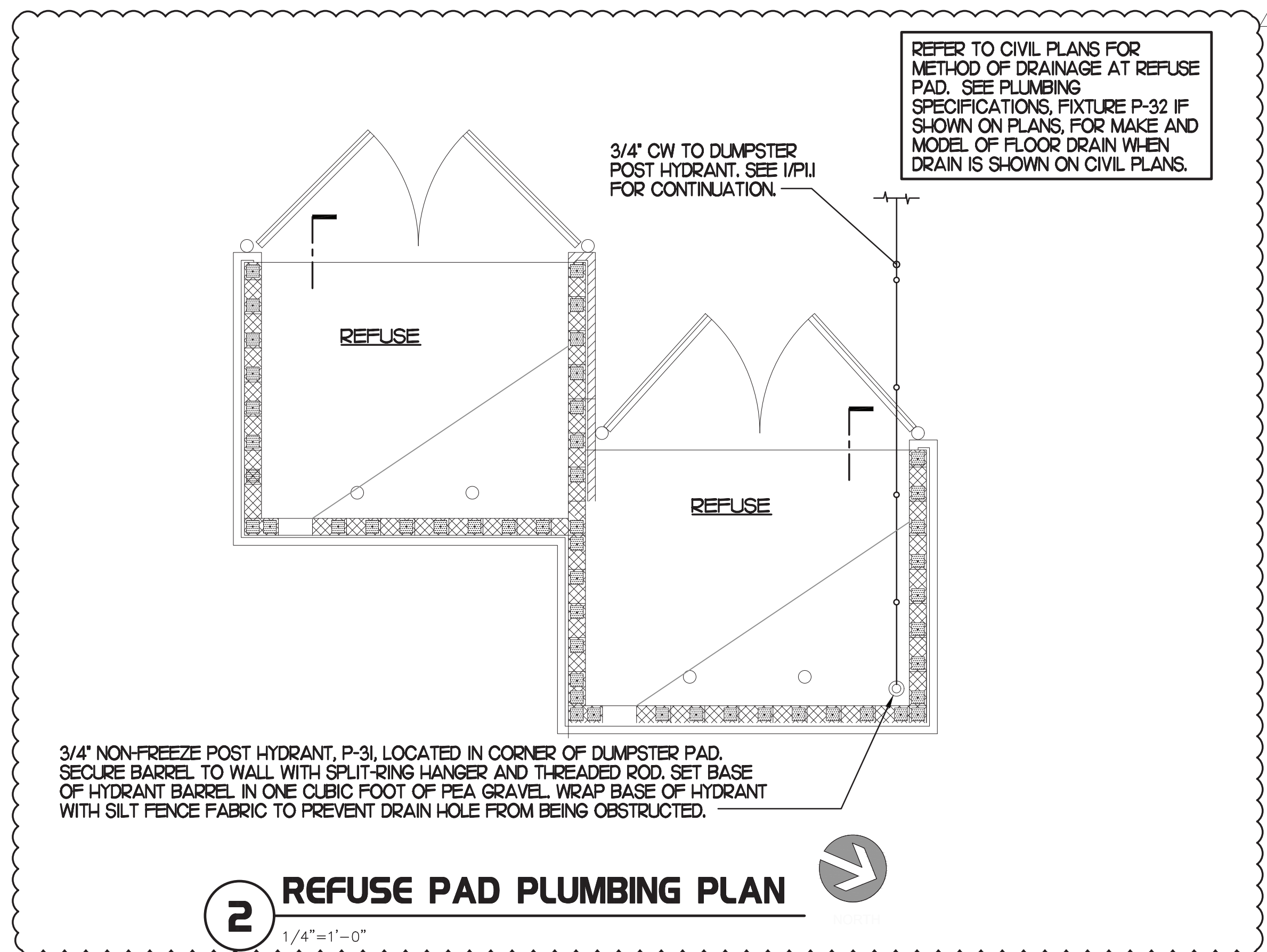
NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDING SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OR CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.



3 SAN. C.O. OUTSIDE BUILDING
SCALE: NONE



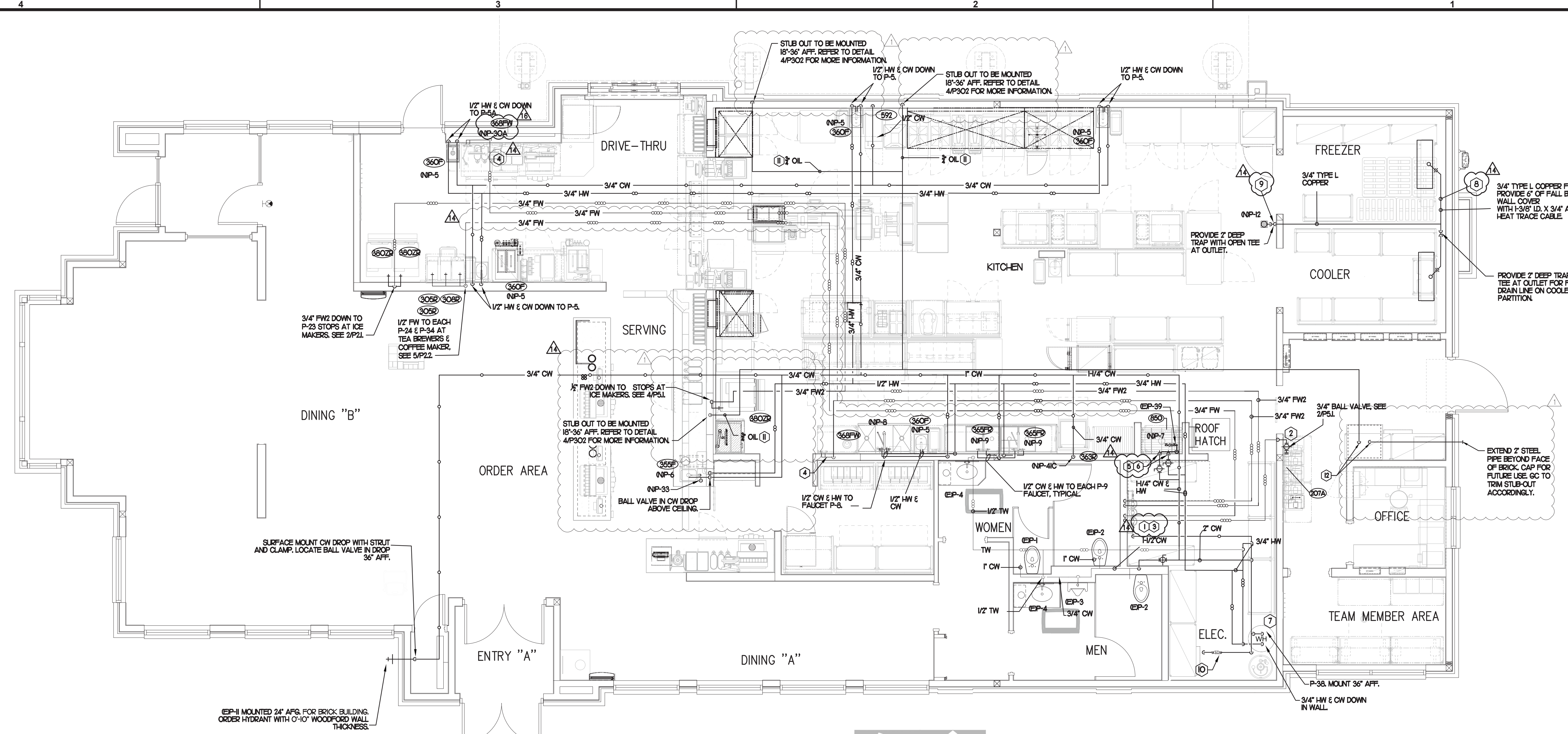
2 REFUSE PAD PLUMBING PLAN
SCALE: 1/4"=1'-0"



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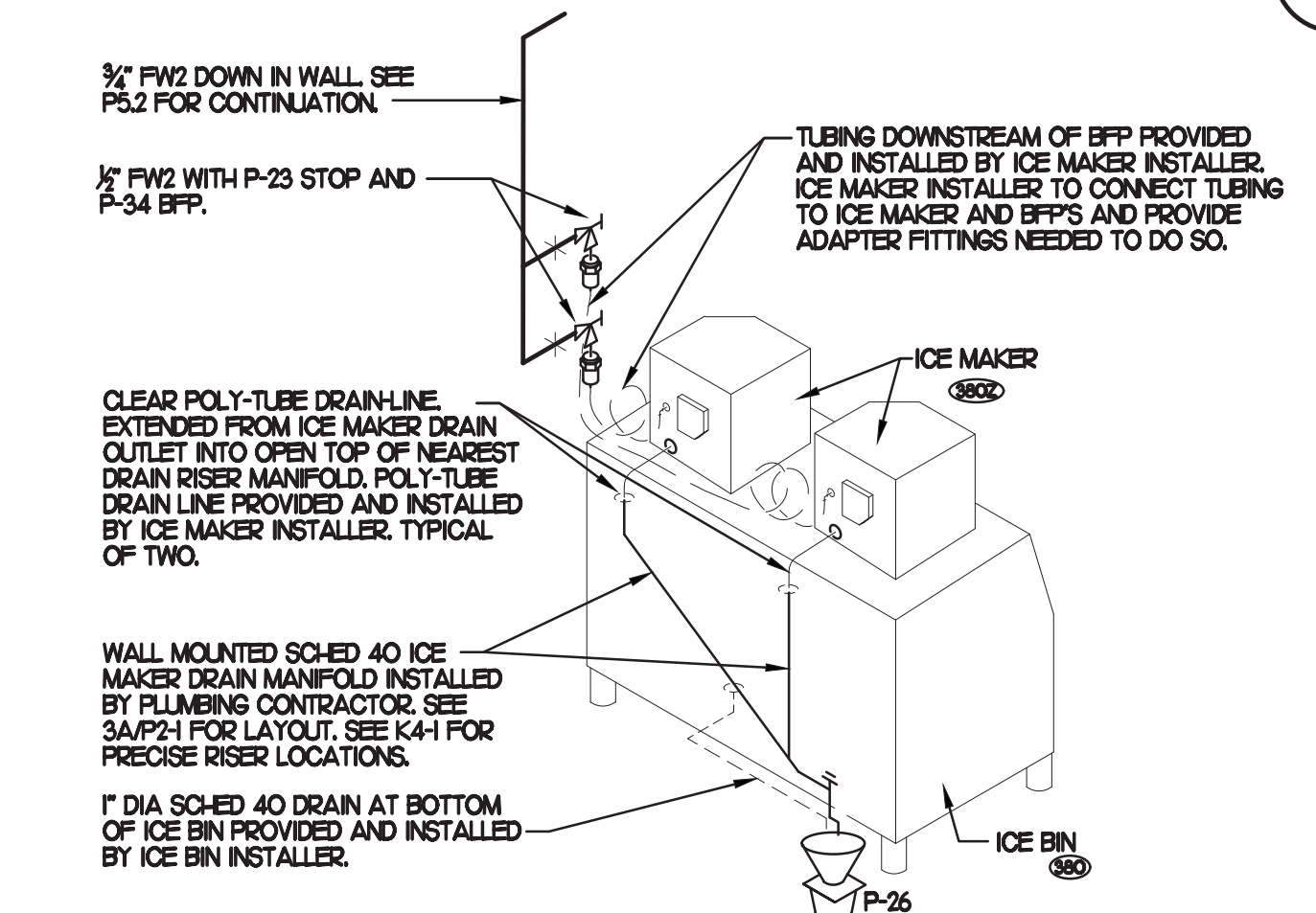
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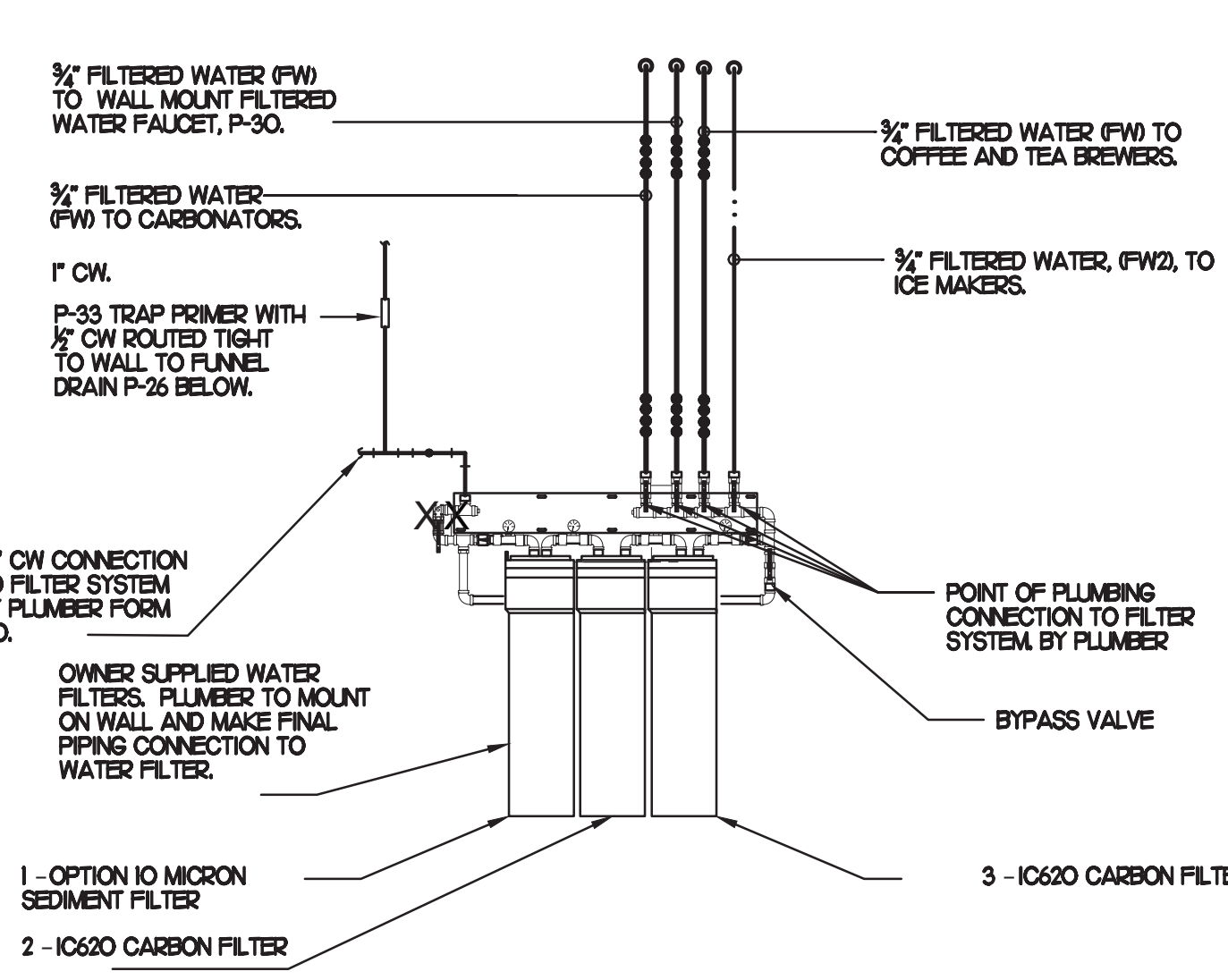
1 WATER PIPING PLAN
 SCALE: 1/4"=1'-0"
 TRUE NORTH PROJECT NORTH

PIPING LEGEND	
—○—	CW - COLD WATER
—●—	HW - HOT WATER
—◐—	TW - TEMPERED WATER
—○—	FW - FILTERED WATER, TO P-30, CARBONATORS, COFFEE, TEA, AND ICE MAKERS
—○—	EXISTING PIPING

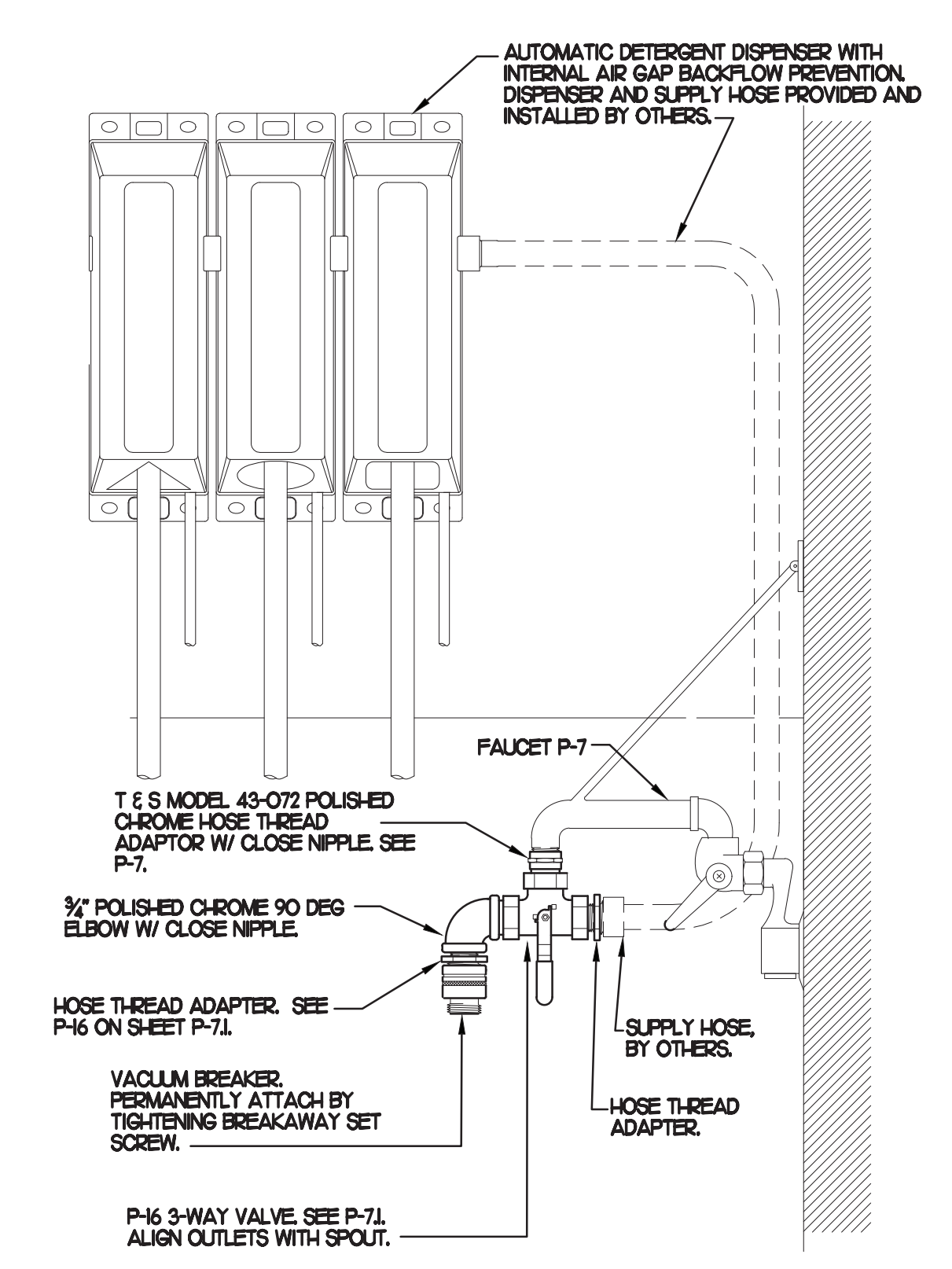
- KEY NOTES**
- PROVIDE NEW WATER FILTERS TO REPLACE EXISTING. VERIFY EXACT LOCATION AND CONNECTIONS PRIOR TO BID & CONSTRUCTION. SEE DETAILS ON SHEET P-61.
 - OWNER PROVIDED PLUMBER INSTALLED STOP/BPP PANEL. SEE K-SHEET ELEVATIONS FOR EXACT LOCATION. PROVIDE EXPOSED 3/4" BALL VALVE AT CONNECTION TO PANEL. CONNECT 1" DIA SCHED 40 PVC TO FACTORY PROVIDED COUPLING MOUNTED ON BACK WALL AND ROUTE BPP DRAIN TIGHT TO WALL TO 1/2" AFF. EIGHT (8) ASSE 10ZZ RATED BPP'S. PIPING FROM BPP'S TO CARBONATORS SHALL BE BY THE LOCAL SOFT DRINK VENDOR.
 - RUN NEW FW AND FW2 FROM EXISTING WATER FILTERS, AND DEMOLISH ALL EXISTING FW AND FW2.
 - 3/4" FW DROP TO TWO-HANDLE FAUCET, P-30A. MOUNT FAUCET ON WALL. SEE K-SHEETS FOR EXACT LOCATION. PIPE 1/2" FW TO EACH FAUCET INLET WITH 6" SPREAD. PROVIDE BALL VALVE ABOVE CEILING.
 - 1/2" HW AND CW DROPS TO MOP SINK FAUCET SET P-7. PROVIDE BALL VALVE FOR EACH ABOVE CEILING WITH P-22 BALL CHECK VALVE IN EACH DROP.
 - INSTALL P-16 3-WAY VALVE WITH BACKFLOW PREVENTER ON P-7 FAUCET SPOUT FOR CONNECTION TO ESCOLAB DETERGENT DISPENSER. SEE DETAIL, 4/P-21.
 - EXISTING WATER HEATER TO BE RELOCATED TO LOCATION SHOWN.
 - TURN 3/4" CONDENSATE PIPING OUT OF COOLER AND EXTEND OUTLET TO FLOOR SINK. SECURE PIPING TO COOLER WALL WITH RUBBER INSULATED PIPE CLAMPS TO PREVENT GALVANIC CORROSION. SEAL ALL PENETRATIONS IN WALLS WITH PERMAGUM CORB. TERMINATE ABOVE FUNNEL WITH ELBOW AND AIR GAP.
 - 3/4" TYPE L COPPER PROVIDE 1/2" OF FALL BEFORE PENETRATING WALL PANEL. COVER WITH 1-3/8" I.D. X 3/4" ARMACELL A/P ARMAFLEX OVER HEAT TRACE CABLE.
 - R-22 BACKFLOW PREVENTER, P-21, INSTALLED BELOW BOOSTER BUMP PANEL. SEE 7/61.
 - PROVIDE SCHEDULE 40 (BLACK OR GALVANIZED) STEEL PIPING BACK TO FUTURE DARPRO OIL TANK. PIPING TO BE ROUTED TO ALLOW AS MUCH FALL AS POSSIBLE TO THE TANK.
 - TURN 3/4" AND 2" SCHEDULE 40 STEEL PIPE DOWN THROUGH CEILING FOR FUTURE DARPRO OIL TANK AND CAP ACCORDINGLY. PROVIDE CHROMED ESCUTCHEONS AT CEILING PENETRATIONS. 3/4" OIL LINE TO BE CAPPED 2" BELOW CEILING.



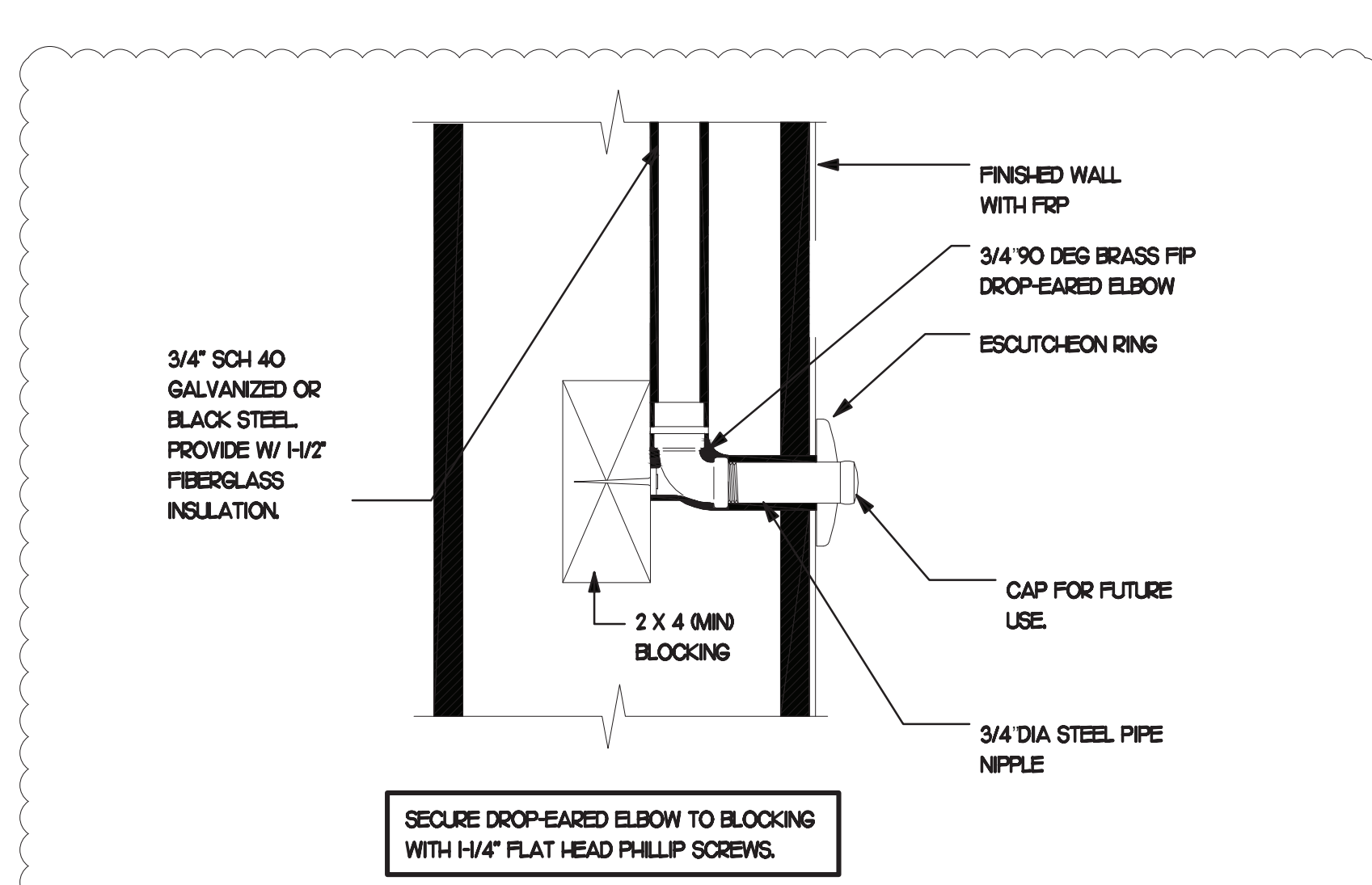
2 ICE MACHINE PIPING
 NO SCALE



3 PIPING AT WATER FILTER
 SCALE: 1/4"=1'-0"



4 3-WAY VALVE AT MOP SINK
 NO SCALE



5 DARPRO OIL PIPING SECTION WITHIN WALL
 NO SCALE

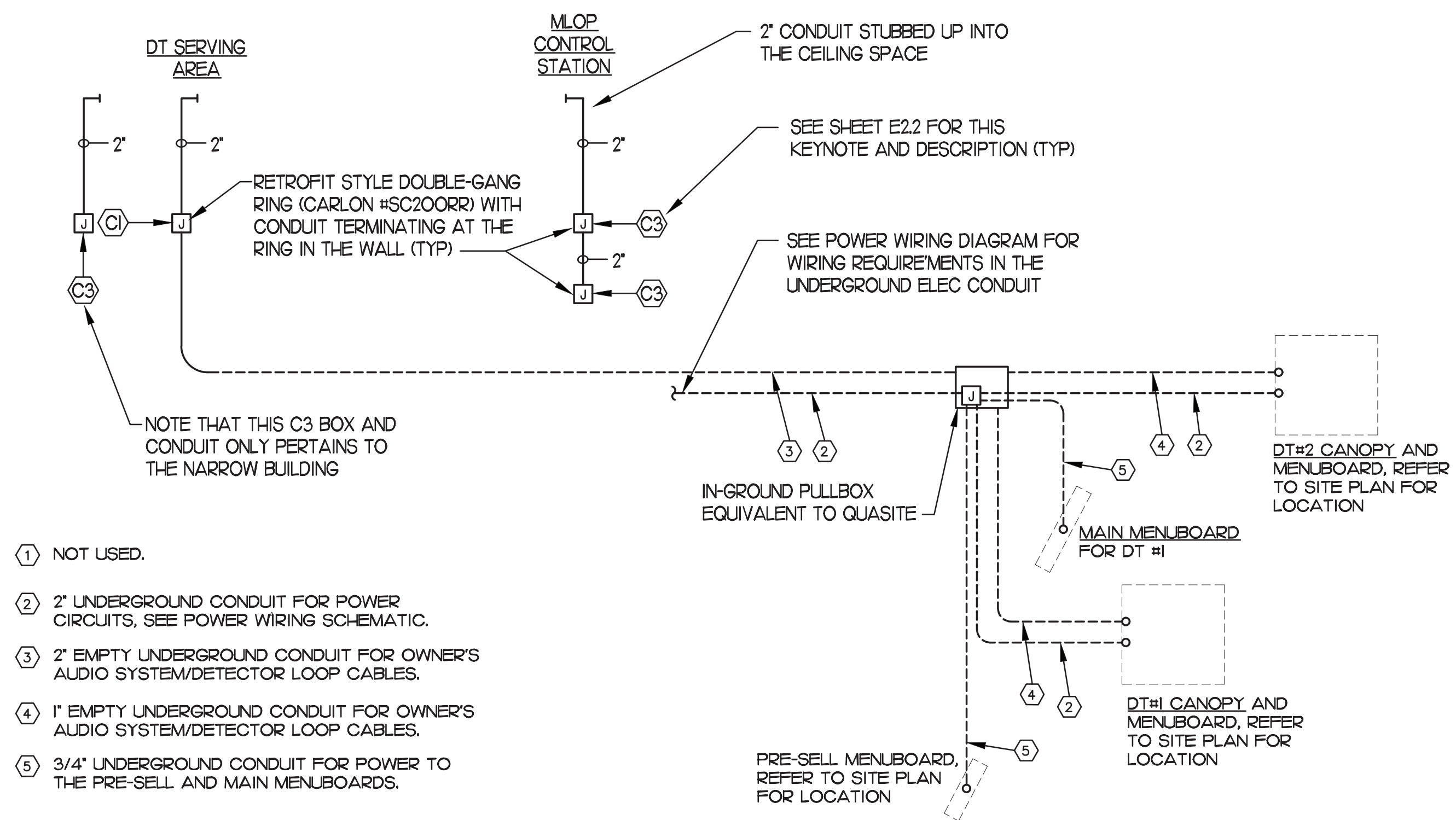
- 3. SHEET NOTES**
- COORDINATE VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 10'-0" CLEARANCE.
 - HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING M-1 FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
 - SEE K-SHEET ELEVATIONS FOR KITCHEN EQUIPMENT LOCATIONS.
 - SEE SHEET P-22 FOR BEVERAGE CONDUIT PIPING.
 - SEE RISER DIAGRAM (P-51) FOR VENT PIPING. SEE ROOF PLAN (P-41) FOR VENT THRU ROOF (VTR) LOCATION.
 - COORDINATE ABOVE-CEILING PIPING LOCATIONS AND ROUTING WITH HVAC CONTRACTOR AND M-SHEETS PRIOR TO INSTALLATION. ALL MAIN DUCT TRUNK LOCATIONS SHALL TAKE PRIORITY. PIPING MAY REQUIRE REMOVAL AND REINSTALLATION AT PLUMBING CONTRACTOR'S EXPENSE IF PIPING OBSTRUCTS THE M-SHEET DUCT LAYOUT AS SHOWN OR PREVENTS ACCESS TO GREASE DUCT CLEANOUT OPENINGS.

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 Richmond, VA 23229

FSR#02554

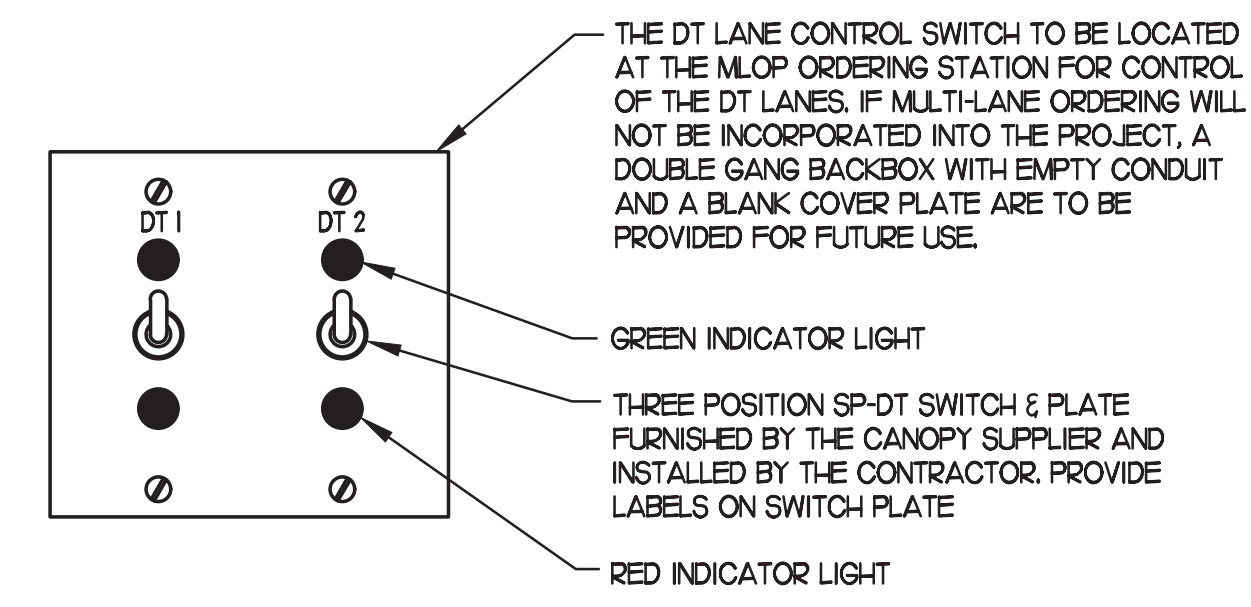
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20	08/24/2022	ISSUED FOR PERMITTING

P2.1



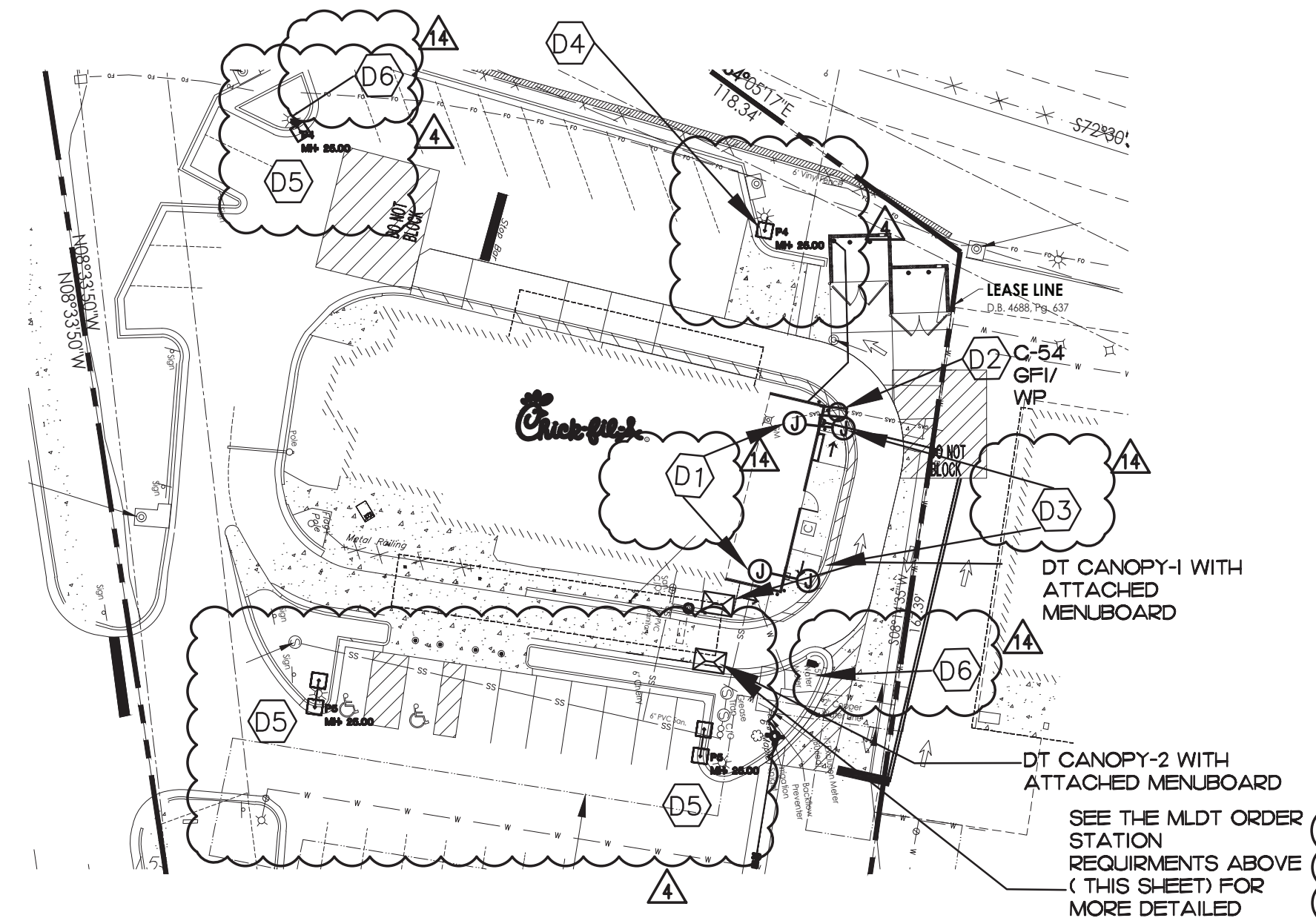
- ① NOT USED.
- ② 2" UNDERGROUND CONDUIT FOR POWER CIRCUITS; SEE POWER WIRING SCHEMATIC.
- ③ 2" EMPTY UNDERGROUND CONDUIT FOR OWNER'S AUDIO SYSTEM/DETECTOR LOOP CABLES.
- ④ 1" EMPTY UNDERGROUND CONDUIT FOR OWNER'S AUDIO SYSTEM/DETECTOR LOOP CABLES.
- ⑤ 3/4" UNDERGROUND CONDUIT FOR POWER TO THE PRE-SELL AND MAIN MENUBOARDS.

2 MULTI-LANE DRIVE-THRU ORDER AREA CONDUIT REQUIREMENTS
NO SCALE



3 POSITION DT LANE CONTROL STATION
NO SCALE

3 MULTI-LANE ORDER POINT (MLOP) DRIVE-THRU REQUIREMENTS



4 ELECTRICAL SITE PLAN
SCALE: 3/8"=1'-0"

- D1 LOCATION OF A 360 DEGREE BUILDING MOUNTED EXTERIOR CAMERA (BY OTHERS). PROVIDE A 3/4" CONDUIT AT 9'-4" AFF TO AN EXTERIOR WALL MOUNTED WP JUNCTION BOX WITH THE CONDUIT ABOVE THE INTERIOR CEILING AND EXTENDED TO AN ACCESSIBLE CEILING AREA FOR CAMERA CABLES BY OTHERS.
- D2 PROVIDE AN EXTERIOR DUPLEX 120V, 20A RECEPTACLE AT 18" AFF WITH "N-JUSE" STYLE LOCKABLE WP COVER AND CONNECT TO A GENERAL PURPOSE 120V RECEPTACLE CIRCUIT.
- D3 PROVIDE A JUNCTION BOX 18" ABOVE ROOF LINE ON THE INSIDE PARAPET WALL ABOVE THE ROOF WITH A 3/4" CONDUIT STUBBED DOWN INTO AN ACCESSIBLE CEILING SPACE AREA BELOW FROM THE OWNER PROVIDED WIFI EXTERIOR ANTENNAE.
- D4 EXISTING TRANSFORMER TO REMAIN
- D5 REFER TO SHEET ES1.0 FOR LIGHTING FIXTURE SCHEDULE. CONNECT TO EXISTING CIRCUIT AND CONTROL.
- D6 PROVIDE 3/4" UNDERGROUND CONDUIT TO JUNCTION BOX IN OFFICE FOR POLE MOUNTED SECURITY CAMERA. REFER TO SHEET E22 FOR LOCATION OF JUNCTION BOX IN OFFICE AND REQUIRED SIZE OF CONDUIT. COORDINATE EXACT CAMERA LOCATION WITH CHICK-FIL-A SECURITY SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN.



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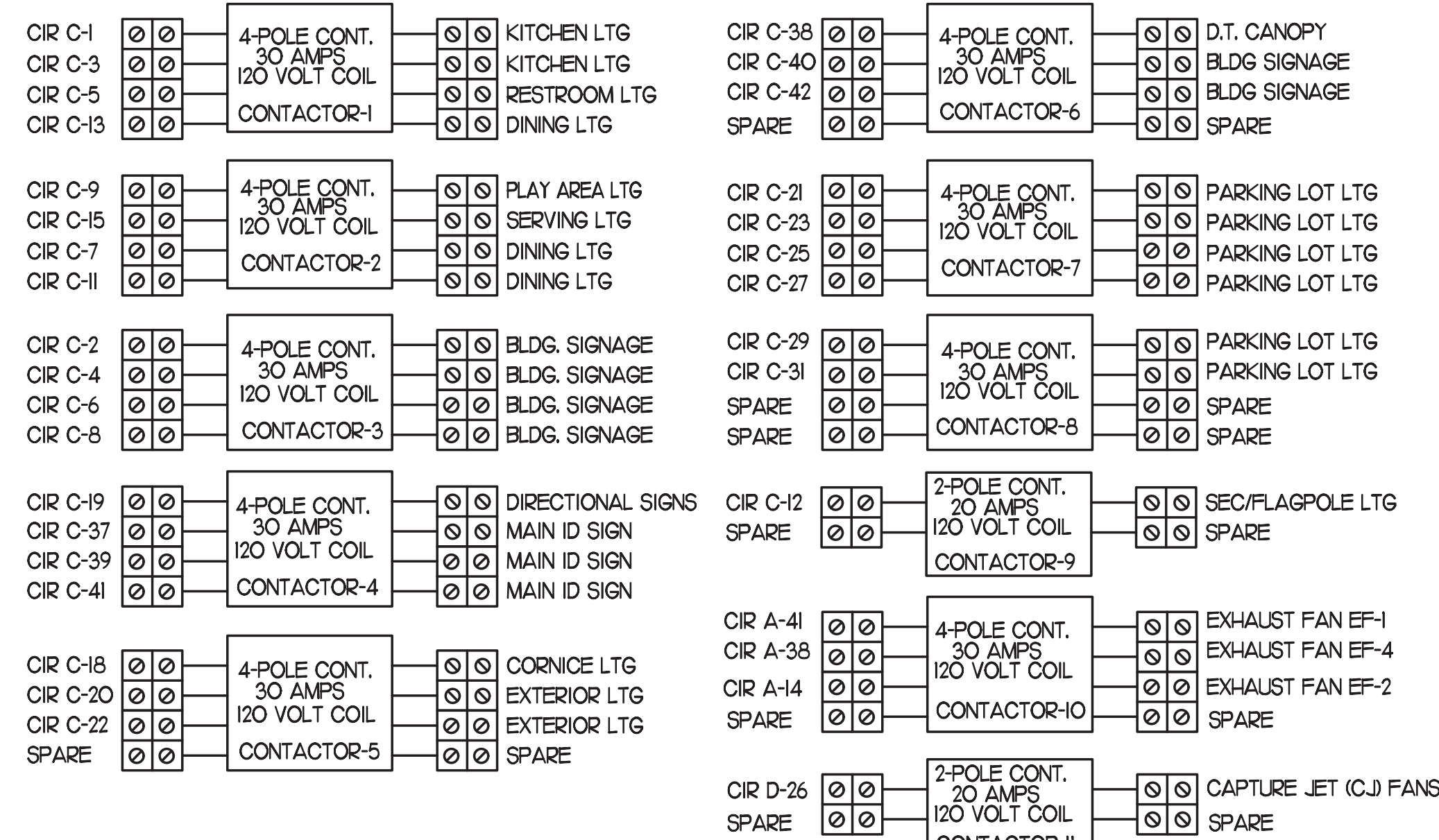
BUILDING TYPE / SIZE: S08-E
RELEASE: 08/24/2022
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REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
4	01/25/2023	REQ SOW UPDATE
14	08/31/2023	ARCH CIVIL COORDINATION

CONSULTANT PROJECT #	2020.0750
DATE	08/24/22
DRAWN BY	MI
CHECKED BY	SN
SHEET	
DRIVE-THRU ORDER	
DETAILS	
SHEET NUMBER	

LIGHTING FIXTURE (LUMINAIRE) SCHEDULE - CHICK-FIL-A								
MARK	MANUFACTURER	CATALOG NUMBER	NO. LAMPS/TYPE	STYL LAMP NO.	WATTS	VOLTS	MOUNTING	REMARKS
A	LITHONIA	2GTL-472L-A12125V-E21-LP840	INTEGRAL WITH FIXTURE	-	52.3	120	RECESSED	2'X4' STATIC LED TROFFER RATED 7200 LUMENS, 4000K COLOR TEMP
AE	LITHONIA	2GTL-472L-A12125V-E21-LP840-EL14L	INTEGRAL WITH FIXTURE	-	52.3	120	RECESSED	SAME AS 'A' WITH EMERGENCY BATTERY PACK. SEE PLAN NOTES ABOUT LAMP SWITCHING
A2	LITHONIA	2RTBS-217-MVOLT-BSNP	2-F017W T8 (24")	22491	34	120	RECESSED	2'X2' STATIC TROFFER, SMOOTH SIDE OF PRISMATIC LENS DOWN.
A3	LITHONIA	2PM3NGB-2-17-9-LD-MVOLT-GEB10IS	2-F017W T8 (24")	-	34	120	RECESSED	2'X2' STATIC TROFFER, SMOOTH SIDE OF PRISMATIC LENS DOWN.
A3E	LITHONIA	2PM3NGB-2-17-9-LD-MVOLT-GEB10IS-EL14	2-F017W T8 (24")	-	34	120	RECESSED	SAME AS 'A3' WITH EMERGENCY BATTERY PACK. SEE PLAN NOTES ABOUT LAMP SWITCHING
B1	METALUX	2V13-LD5-UNV-L840-CD1-SSL-U	INTEGRAL WITH FIXTURE	-	35	120	SURFACE	MOUNT LIGHT TO BTM OF OVERHEAD WIRE SHELVING & PROVIDE CORD & PLUG
B3	CON-TECH	UF228-P WITH PLUG & CORSET	1-FP28/835/ECO	20901	31	120	SURFACE	REFER TO SHEET E2.4, KEYNOTE #11, FOR ADDITIONAL INFORMATION.
D1	LITHONIA	REAL606/MM/1000L/30K/955C-LP6LN	FURNISHED	-	14.2	120	RECESSED	LED DOWNLIGHT WITH WHITE TRIM
D2	LITHONIA	REAL606/BZ/1000L/30K/955C-LP6LN	FURNISHED	-	14.2	120	RECESSED	LED DOWNLIGHT WITH BRONZE TRIM - USED ONLY IN WOOD OR COLORED CLOS
D3	LITHONIA	LDN6-30/20-L06AR-LSS-MVOLT	FURNISHED	-	22.6	120	RECESSED	LED DOWNLIGHT WITH BRONZE TRIM - USED ONLY IN WOOD OR COLORED CLOS
D3E	LITHONIA	LDN6-30/20-L06AR-LSS-MVOLT-EL	FURNISHED	-	22.6	120	RECESSED	LED DOWNLIGHT WITH BRONZE TRIM - USED ONLY IN WOOD OR COLORED CLOS
D	LITHONIA	2RTL4-48L-E21-LP830-DGA24	LED	-	48	120	RECESSED	2'X4' VOLUMETRIC RECESSED LIGHTING SYSTEM WITH DRYWALL GRID ADAPTER
DE	LITHONIA	2RTL4-48L-E21-LP830-DGA24	LED	-	48	120	RECESSED	SAME AS 'D' WITH EMERGENCY BATTERY PACK. SEE PLAN NOTES ABOUT LAMP SWITCHING
F	COOPER/ HALO	SLD5L606951EMWR	LED	-	8.5	120	SURFACE	STRIP FLUORESCENT WITH LOW TEMP BALLAST, MOUNT WITHIN AWNING ON FRAME
G	LITHONIA	C-132-AL-MVOLT-OS10IS	1-F028/835/XP/SS/ECO	22178	25	120	SURFACE	STRIP FLUORESCENT WITH LOW TEMP BALLAST AND WIREGUARD, MTD ABOVE DOOR FRAME
C1	LITHONIA	C-232-AL-MVOLT-OS10IS-WGCUN	2-F028/835/XP/SS/ECO	22178	50	120	WALL	STRIP FLUORESCENT WITH LOW TEMP BALLAST AND WIREGUARD, MTD ABOVE DOOR FRAME
J	LITHONIA	CA-132-MVOLT-OS10IS	1-F028/835/XP/SS/ECO	22178	25	120	WALL	MOUNT ABOVE DOOR FRAME
J1	LITHONIA	Z-132-MVOLT-OS10IS	1-F028/835/XP/SS/ECO	22178	32	120	COVE	MOUNT IN MENUBOARD COVE AND PROVIDE TUBE GUARDS ON LAMPS
J2	LITHONIA	AV-6232-MDR-ASY-MVOLT-OS10IS	2-F028/835/XP/SS/ECO	22178	50	120	RECESSED	1'X4' ASYMMETRIC WITH LIGHT DIRECTED TOWARDS THE CENTER OF THE ROOM
K2	JUNO / INDY	MS302-WH/HB-28/75621/HB-28 142776	LED	PHILLIPS	28	120	RECESSED	WHITE HOUSING 2 LAMP MULTI-SPOT WITH LED RETROFIT LAMPS, AIM AS DIRECTED
K4	JUNO / INDY	MS302-BL/HB-28/75621/MS5708L	2-12PAR305/END/F22/27K	PHILLIPS	24	120	RECESSED	SAME AS K2 WITH BLACK HOUSING - USED ONLY IN WOOD OR COLORED CLOS
L	LITHONIA	VSL-232-MVOLT-DL-OS10IS	2-F028/835/XP/SS/ECO	22178	50	120	SURFACE	LOW PROFILE DAMP LOCATION FLUORESCENT.
MS	LEVITON	PS110-10W	N/A	-	4	120	WALL	MOTION SENSOR ON FLUSH BACKBOX, PROVIDE COVERPLATE W/ CENTER THREADED KNOCKOUT
M	LITHONIA	2GT8-G-232-A12V-MVOLT-OS10ISH	2-F028/835/XP/SS/ECO	22178	50	120	RECESSED	SAME AS 'A' EXCEPT WITH TWO LAMPS. SEE PLAN NOTES ABOUT LAMP SWITCHING.
ME	LITHONIA	2GT8-G-232-A12V-MVOLT-OS10ISH-EL	2-F028/835/XP/SS/ECO	22178	50	120	RECESSED	SAME AS 'AE' EXCEPT WITH TWO LAMPS. SEE PLAN NOTES ABOUT LAMP SWITCHING.
N	MINKA	4531-267B	1-CF19EL/MINI-TWIST/2700	29396	19	120	WALL	"COW BELL" LAVATORY WALL SCIENCE WITH SHADE POINTED DOWN
P1	MEYDA	142776	2-CF19EL/MINI-TWIST/2700	29396	38	120	PENDANT	PEACH BASKET PENDANT WITH BTM AT 6'-6" AFF ABV TABLE, 7'-6" OTHERWISE
Q	TROY	KF14856-1	FURNISHED	-	43	120	PENDANT	CUSTOM 48"X12"X12" COCA-COLA BOTTLE PENDANT, BTM AT 6'-3" AFF
R	LITHONIA	2RTL4-48L-E21-LP830	LED	-	48	120	RECESSED	2'X4' VOLUMETRIC RECESSED LIGHTING
RE	LITHONIA	2RTL4-48L-E21-EL14L-LP830	LED	-	48	120	RECESSED	SAME AS R WITH EMERGENCY BATTERY PACK
S	LITHONIA	RTL2-33L-E21-LP830	LED	-	33	120	RECESSED	2'X2' VOLUMETRIC RECESSED LIGHTING
SE	LITHONIA	RTL2-33L-E21-EL14L-LP830	LED	-	33	120	RECESSED	SAME AS S WITH EMERGENCY BATTERY PACK
U	BESA LIGHTING	BES00298-060	FURNISHED	-	7.5	120	PENDANT	RED FRIT GLASS, BRONZE CABLE & CANOPY, 6'-6" AFF
CON-TECH	LA-17A-P	N/A	-	-	-	-	TRACK	PENDANT ADAPTER FOR CON-TECH 'LT SERIES' LIGHTING TRACK
U1	CON-TECH	LT-4 OR 8-P TRACK, LA9 END FEED, LA2 MINI-CONNECTORS AND LA-17A-P PENDANT ADAPTORS	-	-	-	-	CEILING	LIGHTING TRACK WITH ACCESSORIES AS REQ'D, LENGTH AS NOTED
V	VISUAL COMFORT	SL2923BZ	1-LED8A19/DIM/O/827	78935	8	120	WALL	BOSTON LIBRARY LIGHT WITH RETROFIT LED LAMP, MOUNT BACKBOX AT 86" AFF
XA	LITHONIA	LHQW-S-W-1-R-120	INTEGRAL WITH FIXTURE	-	4	120	WALL	EXIT SIGN WITH BATTERY PACK AND TWO INTEGRAL ADJUSTABLE LAMPHEADS
XB	CHLORIDE	CAX6	INTEGRAL WITH FIXTURE	-	3	120	CEILING	WHITE THERMOPLASTIC BATTERY PACK UNIT WITH TWO LAMPHEADS
XC	LITHONIA	AFN-BN-EXT (TWO LAMP UNIT)	INTEGRAL WITH FIXTURE	-	21	120	WALL	EXTERIOR WALL MOUNTED EMERGENCY LIGHTING UNIT, LOCATE NEAR EGRESS DOOR
OB	LUMUX	SL5635S-PL26-120	1-CFTR26W/GX240/827	20767	31	120	SEMI-REC	7 INCH DIAMETER TEMPERED FROSTED LENS WITH STAINLESS STEEL GRID & POLYMER HOUSING
OC	LITHONIA	TFR-400M-TA-TB-SCWA-IS-LPI	1-M400/PS/U	64321	456	120	PIPE	FLOODLIGHT MTD ON ROOF ON 2" PIPE SUPPORT (BY OTHERS) AND AIMED AT FLAG AFTER DARK
OD	LITHONIA	DSX0-LED-400-1000-40K SERIES (DISTRIBUTION TYPES TO BE DETERMINED BY THE REGIONAL TEAM SPECIFIC TO THE SITE.)	FURNISHED	-	138	120	POLE	COORDINATE WITH THE SPECIFIC SITE CONDITIONS FOR DISTRIBUTION TYPE(S) AND POLE STYLE & HEIGHT. REFER TO THE ELECTRICAL SITE PLAN FOR FURTHER INFORMATION.
* OG	REFER TO SHEET ES2.1 (PHOTOMETRIC PLAN) FOR THE SITE SPECIFIC LIGHTING FIXTURE USED IN LIEU OF TYPE OD WHEN REQUIRED.							
OH	LITHONIA	L3LED-T24/40PA-TRM-30K-90CRI	FURNISHED	-	11.2	120	RECESSED	4" OPEN CLEAR DIFFUSER DOWNLIGHT WITH 3000K, 93 CRI, 600LUMEN
OJ	SECURITY LTG	RWSC-72LED-UD-DB-UNV-3K (DARK BRONZE)	FURNISHED	-	25	120	WALL	UP/DOWN DECORATIVE EXTERIOR WALL SCIENCE, SEE ELEVATIONS FOR MOUNTING HEIGHT
OK	LITHONIA	TWA-50M-120-LPI	FURNISHED	-	12.9	120	WALL	CELINE LINE OF FIXTURE AT 8'-0" ABV 0'-0" (FINISH FLOOR LINE)

- NOTES:
1. LUMINAIRES UTILIZING DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OF EXTERNAL TO EACH LUMINAIRE PER NEC 410.130(G).
2. THE LIGHTING FIXTURE PACKAGE IS AVAILABLE THROUGH A NATIONAL ACCOUNT PROGRAM. REFER TO SHEET E4.2, SECTION 16500 FOR VENDOR INFORMATION.
3. THE FLUORESCENT BALLAST CATALOG NUMBER INDICATES OSRAM AND ALL LAMP DESIGNATIONS ARE FOR OSRAM/SYLVANIA PER A NATIONAL ACCOUNT AGREEMENT.
4. THE ASTERISK (*) BESIDE THE FIXTURE MARK IN THE ABOVE SCHEDULE INDICATES THE FIXTURE IS A NON-PROTOTYPICAL LIGHT FIXTURE PER THE CFA NATIONAL HERITAGE PROTOTYPE.



NOTE: VERIFY WITH SUNCOAST ENVIRONMENTAL CONTROLS' SHOP DRAWINGS
CFR T-500 CONTROL PANEL CONNECTION DIAGRAM
NOT TO SCALE

2 ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MTG HT AFF TO CL	SYMBOL	DESCRIPTION	MTG HT AFF TO CL
LIGHTING FIXTURES			MISCELLANEOUS SYMBOLS		
□	SURFACE MTD FLUORESCENT LIGHTING FIXTURE		⊥	GROUND	
⊞	RECESSED FLUORESCENT LIGHTING FIXTURE		Ⓜ	MOTOR	
○	SURFACE MTD FLUORESCENT OR HID LIGHTING FIXTURE		Ⓜ	EXHAUST FAN MOTOR	
⊙	RECESSED FLUORESCENT OR HID LIGHTING FIXTURE		Ⓜ	JUNCTION BOX	
⊙	WALL MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE (FLUORESCENT OR HID FIXTURE)	AS NOTED	Ⓜ	CONDUIT AND WIRE MARK NUMBER. REFER TO CONDUCTORS AND CONDUIT SCHEDULE FOR SIZE	
⊙	WALL MOUNTED EXIT SIGN. SHADING INDICATES FACES. PROVIDE WITH CHEVRON DIRECTIONAL ARROWS WHERE INDICATED ON PLANS PROVIDED WITH BATTERY PACK	6" BELOW CEILING TO TOP	Ⓜ	KITCHEN EQUIPMENT MARK NUMBER. REFER TO KITCHEN EQUIPMENT SCHEDULE FOR REQUIREMENTS	
⊙	CEILING MOUNTED EXIT SIGN. SHADING INDICATES FACES. PROVIDE WITH CHEVRON DIRECTIONAL ARROWS WHERE INDICATED ON PLANS PROVIDED WITH BATTERY PACK		Ⓜ	NOTE NUMBER	
⊙	COMBO EXIT WITH TWO LAMPHEADS. SEE LIGHTING FIXTURE SCHEDULE		Ⓜ	HOOD EXTINGUISHING ANSUL PULL STATION	
⊙	WALL MOUNTED EMERGENCY BATTERY PACK LIGHTING FIXTURE	AS NOTED	Ⓜ	SMOKE DETECTORS REMOTE STATUS INDICATOR W/ 1/2" CONDUIT STUB-UP	
⊙	CEILING MOUNTED EMERGENCY BATTERY PACK LIGHTING FIXTURE	AS NOTED	Ⓜ	FUS-BUTTON	
⊙	FLUORESCENT STRIP LIGHTING FIXTURE		Ⓜ	BELL, TYPE AS NOTED ON PLANS	
⊙	WALLWASHER STYLE RECESSED DOWNLIGHT, AIM LIGHT TOWARD WALL		Ⓜ	PHOTO-ELECTRIC CELL	
ABBREVIATIONS					
⊙	RECESSED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK		AFF	ABOVE FINISHED FLOOR	
⊙	PENDANT LIGHTING FIXTURE	AS NOTED	AFG	ABOVE FINISHED GRADE	
⊙	LIGHTING TRACK WITH TRACK HEADS		AHU	AIR HANDLING UNIT	
WIRING DEVICES					
⊙	120 VOLT DUPLEX RECEPTACLE, 20 AMPS UON	18"	CL	CENTER-LINE	
⊙	120 VOLT DUPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS UON	44" UON	EF	EXHAUST FAN	
⊙	120 VOLT QUADRAPLEX RECEPTACLE, 20 AMPS UON	18" UON	FLA	FULL LOAD AMPS	
⊙	120 VOLT QUADRAPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS UON	44"	GF/GFI	GROUND FAULT CIRCUIT INTERRUPTER	
⊙	120 VOLT SIMPLEX RECEPTACLE, 20 AMPS UON	18" UON	END/GRD	GROUND	
⊙	SINGLE SPECIAL PURPOSE RECEPTACLE WITH VOLTS, AMPS, AND PHASE AS NOTED; NEMA CONFIGURATION AS REQUIRED BY EQUIPMENT	18" UON	HT	HEIGHT	
⊙	RECEPTACLE MOUNTED ON CORD DROP, 120 VOLT, 20 AMP, UON, OUTLET BOX FISH THROUGH CEILING		IG	ISOLATED GRD, PROVIDE ORANGE DEVICE WHEN ADJACENT TO WIRING DEVICE	
⊙	SINGLE POLE TOGGLE SWITCH	48"	MOCP	MAXIMUM OVER-CURRENT PROTECTION	
S ₂	DOUBLE POLE TOGGLE SWITCH	48"	MUA	MAKE UP AIR UNIT	
S ₃	THREE WAY TOGGLE SWITCH	48"	NEC	LOCALLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70)	
S ₄	MANUAL MOTOR STARTER SWITCH (W/ NEMA 3R)	48"	NL	NIGHT LIGHT (ON 24 HOURS)	
S _p	SWITCH WITH PILOT LIGHT (ON WHEN SWITCH IS ON)	48"	OC	ON CENTER	
S _k	KEY OPERATED SWITCH	48"	POS	POINT OF SALE EQUIPMENT	
⊙	CEILING OCCUPANCY SENSOR		RTU	ROOF TOP UNIT	
⊙	WALL OCCUPANCY SENSOR		TL	TWIST-LOCK TYPE DEVICE	
⊙	MID RING		TR	TAMPER-RESISTANT	
⊙	RECEPTACLES ON A DEDICATED CIRCUIT (THAT IS, NO OTHER LOAD CONNECTED TO THE BRANCH CIRCUIT) SHALL HAVE AMPACITY RATING NOT LESS THAN THE AMPERAGE OF THE CIRCUIT BREAKER SERVING THE DEVICE		UON	UNLESS OTHERWISE NOTED	
⊙	CONDUIT CONCEALED ABOVE CEILING OR IN WALL		WP	WEATHERPROOF (NEMA 3R)	
⊙	CIRCUIT HOMERUN TO PANELBOARD WITH MINIMUM 2#12, 1#12, 3/4" C		TELEPHONE		
⊙	CONDUIT TURNING UP		Ⓜ	TELEPHONE OUTLET	18" UON
⊙	CONDUIT TURNING DOWN		Ⓜ	TELEPHONE OUTLET AT SPECIAL MOUNTING HEIGHT	60" UON
⊙	CONDUIT CONCEALED IN OR BELOW SLAB (OUTSIDE - UNDERGROUND)		NOTE: EACH TELEPHONE OUTLET (FLOOR OR WALL MOUNTED) SHALL BE PROVIDED WITH A 3/4" EMTT CONDUIT, WITH PULL WIRE, TO ACCESSIBLE CEILING SPACE.		
⊙	FLEXIBLE LIGHT FIXTURE WHIP, SIX FOOT MAXIMUM LENGTH		CCTV / SECURITY SYSTEM		
⊙	METAL CLAD CABLE ASSEMBLY - ONLY WHERE INDICATED ON DWGS OR SPECS		Ⓜ	CLOSED CIRCUIT TELEVISION CAMERA	
⊙	NOTES: FOR ALL CONDUITS REFER TO PLANS FOR OTHER CONDUITS. REFER TO VENDOR DRAWINGS FOR CONDUIT AND WIRING REQUIREMENTS FOR LOW VOLTAGE SYSTEMS AND CONTROL WIRING.		Ⓜ	SECURITY ALARM KEYPAD	
⊙	MULTIPLE IPH CIRCUITS MAY OCCUPY THE SAME CONDUIT IN ACCORDANCE WITH THE NEC, MAXIMUM OF THREE AND OF DIFFERENT PHASES.		Ⓜ	SECURITY ALARM HOLD-UP BUTTON	
⊙	LOW VOLTAGE AND CONTROL WIRING SHALL BE IN SEPARATE CONDUIT FROM POWER WIRING.		Ⓜ	SECURITY SYSTEM KEY NOTE	
DISTRIBUTION EQUIPMENT					
⊙	NON-FUSIBLE SAFETY SWITCH SIZE AND TYPE AS NOTED ON PLANS (AMP/POLES/ENCLOSURE OR ON SCHEDULE, NEMA 1 ENCLOSURE UNLESS NOTED WP FOR NEMA 3R ENCLOSURE)	6'-6"			
⊙	FUSIBLE SAFETY SWITCH SIZE AND TYPE AS NOTED ON PLANS (AMP/POLES/ENCLOSURE OR ON SCHEDULE, NEMA 1 ENCLOSURE UNLESS NOTED WP FOR NEMA 3R)	6'-6"			
⊙	FLUSH MOUNTED LIGHTING PANELBOARD	6'-6"			
⊙	SURFACE MOUNTED LIGHTING PANELBOARD	6'-6"			
⊙	TRANSFORMER, PROVIDE SECONDARY GROUNDING PER NEC	6'-6"			
⊙	ENCLOSED CIRCUIT BREAKER SIZE AND TYPE AS NOTED (LAMPS/POLES/ENCLOSURE) NEMA 1 ENCLOSURE IF NOT NOTED, W/ NEMA 3R	6'-6"			
⊙	6'-6" DISTANCE IS TO TOP-MOST DISCONNECTING DEVICE OR HIGHEST POSITION OF OPERATING HANDLE OF DISCONNECTING DEVICE				

THE EXHAUST HOOD SYSTEM AND COOKING APPLIANCES SHALL BE INTERCONNECTED SO THAT OPERATING ANY OF THE COOKING APPLIANCES AUTOMATICALLY ACTIVATES THE HOOD SYSTEM.
CONTRACTOR SHALL PROVIDE SUNCOAST DUCT HEAT SENSOR & CONTROL SYSTEM PACKAGE MODEL #TS2-010 120VAC DIGITAL TEMPERATURE SWITCH IN COMPLIANCE WITH THE 507JJ OF FBCM INTERLOCKED WITH THE EXISTING SUNCOAST CONTROL PANEL.

3 SIGNAGE COORDINATION NOTE

THE ELECTRICAL SUBCONTRACTOR SHALL INCLUDE THE ELECTRICAL ROUGH-IN AND FINAL CONNECTIONS OF ALL SIGNAGE (BUILDING MOUNTED AND GROUND MOUNTED ON THE SITE) IN HIS SCOPE OF WORK AND UNDER HIS LOCAL CODE PERMITTING PROCESS.
PROVIDE A COPY OF THE PERMIT (WHICH SPECIFICALLY INCLUDES THE SIGNAGE) TO THE SIGN VENDOR IN ORDER TO EXPEDITE THE SIGN VENDOR'S PERMIT PROCESS.



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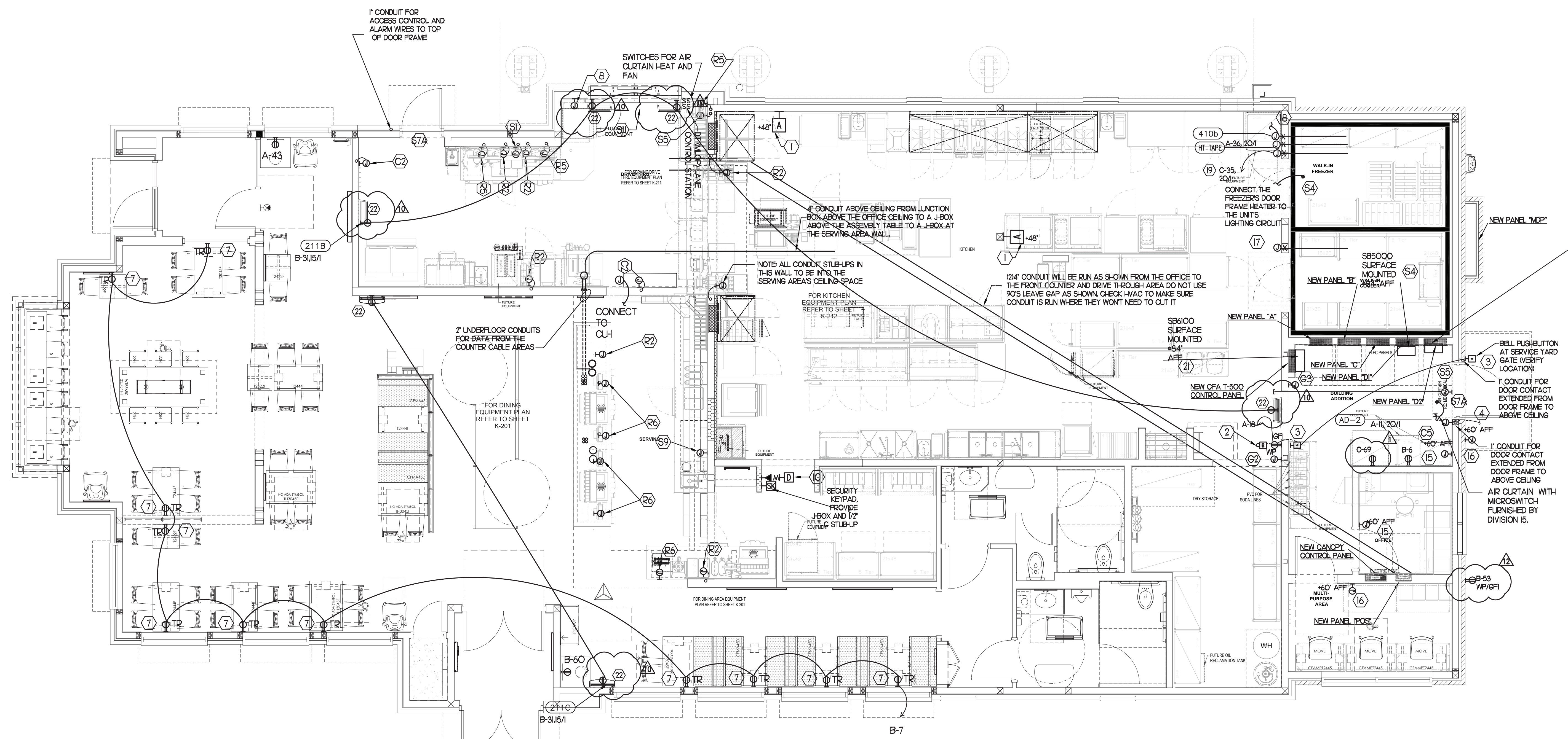
BUILDING TYPE / SIZE: S08-E
RELEASE: 08/24/2022

PRINTED FOR: CONSTRUCTION

NO.	DATE	DESCRIPTION
1	7/14/22	ISSUE FOR PERMIT
10	07/07/2023	DESIGN NOTE UPDATES

CONSULTANT PROJECT #	2020.0750
DATE	08/24/22
DRAWN BY	MI
CHECKED BY	SN
INFORMATION CONTAINED ON THIS DRAWING AND ALL DIGITAL FILES PRODUCED FOR ABOVE NAMED PROJECT MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN OR VERBAL CONSENT FROM INTERPLAN LLC.	
SHEET	SCHEDULE AND DETAILS

SHEET NUMBER
E1.1
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1 POWER & SYSTEM PLAN
SCALE: 1/4" = 1'-0"

2 KEY NOTES - POWER:

- 1 PROVIDE 2 GANG DEEP BOX (2" MIN) FOR ANSL PULL STATION. EXTEND 1/2" CONDUIT FROM BOX, STUBBED ABOVE CEILING.
- 2 PROVIDE EDWARDS #340-4N5 VIBRATING 4" DIAMETER BELL. BELL SHALL BE RATED AT 120 VOLTS.
- 3 PROVIDE 120 VOLT WEATHER-PROOF DOORBELL. PUSH-BUTTON AT DOOR. PUSH-BUTTON SHALL BE FLUSH MOUNTED. PROVIDE COORDINATE SYSTEMS #W5265-P25 CLEAR ANODIZED ALUMINUM PUSH-BUTTON WITH SINGLE GANG SWITCHPLATE.
- 4 ONE 3" ISP SERVICE CONDUIT. EXTEND WITH PULL STRING FROM THE J-BOX TO THE UTILITY SOURCE
- 5 NOT USED
- 6 NOT USED
- 7 TAMPER RESISTANT (TR) DUPLEX RECEPTACLE WITH USB CHARGER (IN THE DINING AREAS) SHALL BE COOPER/ARROW HART #T7746-B (BROWN) WITH MATCHING COLOR DECORATIVE STYLE PLATE
- 8 JUNCTION BOX WITH 3/4" CONDUIT STUB UP INTO THE CEILING SPACE FOR OWNERS' INTERCOM FOR THE M.O.P. ORDERING CONTROL STATION. PROVIDE BLANK PLATE IF BLDG IS SINGLE LANE DRIVE-THRU.
- 9 NOT USED
- 10 PROVIDE 2 GANG DEEP BOX (2" MIN) FOR EACH DUCT SMOKE DETECTOR INDICATED ON THE MECHANICAL DRAWINGS. FOR INSTALLATION OF DUCT DETECTOR REMOTE ANNUNCIATORS BY MECHANICAL. THE DUCT SMOKE REMOTE ANNUNCIATORS ARE PROVIDED TO THE ELECTRICIAN WITH THE SUNCOAST ELECTRONICS PACKAGE OF GEAR AND CONTROLS. EXTEND 1/2" CONDUIT FROM EACH BOX AND STUB ABOVE CEILING.
- 11 SB6000 PANEL ENCLOSURE WITH 3 LITTLE FUSE SHOCK GFCI PROTECTION DEVICES AND SB6000 PANEL ENCLOSURE SHOCK BLOCK GFCI PROTECTION DEVICE. ENSURE CONDUITS ARE INSTALLED FOR LINE AND LOAD WIRES TO BE INSTALLED WITH PROPER WIRE BENDING SPACE. LABEL EACH SHOCK BLOCK WITH PANEL AND CIRCUIT NUMBER IT CONTROLS
- 12 NOT USED FROM I2 TO I4
- 13 PROVIDE CO2 CENTRAL CONTROL UNIT MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION.
- 14 PROVIDE CO2 ANNUNCIATOR MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION.
- 15 CONNECT EVAPORATOR UNIT IN COOLER TO COOLER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 16 CONNECT EVAPORATOR UNIT IN FREEZER TO FREEZER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 17 FACTORY PROVIDED JUNCTION BOX FOR WALK-IN FREEZER PRESSURE RELIEF. ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING FROM UNSWITCHED LEG OF LIGHTING CIRCUIT SERVING WALK-IN FREEZER-FREEZERS TO JUNCTION BOX
- 18 NOT USED
- 19 SB6000 PANEL ENCLOSURE WITH 3 LITTLE FUSE SHOCK GFCI PROTECTION DEVICES AND SB6000 PANEL ENCLOSURE SHOCK BLOCK GFCI PROTECTION DEVICE. ENSURE CONDUITS ARE INSTALLED FOR LINE AND LOAD WIRES TO BE INSTALLED WITH PROPER WIRE BENDING SPACE. LABEL EACH SHOCK BLOCK WITH PANEL AND CIRCUIT NUMBER IT CONTROLS.
- 20 PROVIDE DUPLEX RECEPTACLE (SEE ELEVATIONS FOR MTG #1) IN AN ARLINGTON #DVER2W DOUBLE-GANG RECESSED BOX FOR THE FLY SYSTEM ITEMS. DO NOT CUT THE CORSET FLUSHED WITH THE UNIT, BUT COIL THE CORD ON THE BACK OF THE UNIT AND TUCK INTO THE BACKBOX.

3 KEY NOTES - SECURITY:

- 1 PROVIDE SINGLE GANG JUNCTION BOX AND STAINLESS STEEL COVER PLATE WITH 7/8" HOLE IN CENTER. EXTEND 1" E.C. UP IN WALL TO ABOVE ACCESSIBLE CEILING.
- 2 PROVIDE 4" W X 4" X 3" D FLUSH JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID CONDUIT UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE BUSHING ON CONDUIT.
- 3 PROVIDE 4" W X 4" X 3" D JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID E.C. UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE SINGLE-GANG J-BOX ADJACENT WITH 2" RIGID E.C. DOWN THROUGH SLAB AND BELOW GRADE TO REMOTE CAMERA LOCATION. USE ONLY LONG SWEEPS, 3 FEET PER 90 DEGREES. SEE ELECTRICAL SITE PLAN FOR CONTINUATION.
- 4 PROVIDE TWO GANG WEATHER-PROOF JUNCTION BOX AND STAINLESS STEEL PLATE WITH 7/8" HOLE IN CENTER FOR PANIC BUTTON. MOUNT AT APPROXIMATELY 48" AFF. EXTEND 1/2" RIGID CONDUIT OVER TO THE WALL AND THEN UP TO ABOVE ACCESSIBLE CEILING. SEAL PENETRATION AT WID/WIF CEILING.
- 5 PROVIDE SINGLE GANG BOX WITHOUT COVER PLATE. EXTEND 1/2" CONDUIT UP IN WALL TO ABOVE ACCESSIBLE CEILING AND TURN TOWARD SERVING AREA SIDE OF WALL.
- 6 PROVIDE SINGLE GANG JUNCTION BOX ON INSIDE FACE OF PARAPET WALL APPROX. 1/2" BELOW TOP OF PARAPET WALL. EXTEND 1/2" CONDUIT DOWN TO ABOVE ACCESSIBLE OFFICE CEILING.
- 7A EXTEND 3/4" RIGID CONDUIT FROM TOP OF STRIKE-SIDE DOOR FRAME CHANNEL TO ABOVE ACCESSIBLE CEILING.
- 8 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN EITHER HINGE-SIDE DOOR VERTICAL FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 9 PROVIDE SINGLE GANG JUNCTION BOX WITHOUT COVERPLATE. EXTEND 1/2" CONDUIT UP IN WALL TO ABOVE ACCESSIBLE CEILING AND TURN TOWARD SERVING AREA SIDE OF WALL.
- 10 PROVIDE SINGLE GANG WEATHER-PROOF JUNCTION BOX WITH STAINLESS STEEL COVER PLATE MOUNTED 18" FROM THE CORNER OF THE SERVICE YARD AND JUST BELOW ROOF DECK MOUNTING BRACKETS. ROUTE 1" EMT CONDUIT FROM THE BOX SURFACE MOUNTED JUST BELOW THE ROOF DECK MOUNTING BRACKETS AND TERMINATE THE CONDUIT AT 60"
- 11 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN STRIKE-SIDE WINDOW FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 12 PROVIDE SINGLE GANGS WEATHER-PROOF JUNCTION BOX WITH STAINLESS STEEL COVER PLATE MOUNTED JUST ABOVE THE STRIKE SIDE OF OUTSIDE DOOR ON INSIDE OF SERVICE YARD. ROUTE 1" EMT CONDUIT SURFACE MOUNTED FROM BOX JUST BELOW THE ROOF DECK MOUNTING BRACKETS. TERMINATE CONDUIT IN THE ACCESSIBLE CEILING SPACE INSIDE THE BUILDING.
- 13 NOT USED
- 14 PROVIDE JUNCTION BOX ON THE LATCH SIDE OF THE ROOF ACCESS HATCH WITH 1/2" C ABOVE THE CLG TO THE OFFICE CEILING SPACE FOR A DOOR CONTACT.

4 GENERAL NOTES:

- 1 ALL SECURITY, POS, MUSIC, COMMUNICATIONS, AND POWER ROUGH-IN SHALL BE INSTALLED DURING THE FRAMING/ROUGH-IN PHASE OF CONSTRUCTION
- 2 REFER TO KITCHEN EQUIPMENT SHEETS FOR EQUIPMENT ELECTRICAL ROUGH-IN ELEVATIONS ABOVE FINISHED FLOOR.
- 3 ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRING.
- 4 PROVIDE INSTALLED BUSHINGS AT TERMINATION POINTS OF ALL CONDUITS FOR LOW VOLTAGE WIRING.
- 5 THE ELECTRICAL INSTALLER SHALL COORDINATE THE ROUTING OF ALL CONDUIT IN THE BUILDING WITH OTHER TRADES (SPECIFICALLY THE DUCTWORK INSTALLATION) TO AVOID CONFLICTS OF SPACE REQUIREMENTS IN WALLS AND CEILING SPACES.

5 KEY NOTES - COMMUNICATIONS:

- 1 PROVIDE DOUBLE-GANG RING (CARLON #SC200R2) WITH STAINLESS STEEL COVER PLATE AND HOLE IN PLATE FOR AUDIO WITH 2" CONDUIT UNDERGROUND TO THE DT DUAL-LANE (M.O.P) ORDERING AREA AND A 2" CONDUIT STUBBED UP INTO THE CEILING SPACE.
- 2 PROVIDE JUNCTION BOX, LESS COVER PLATE, AND EXTEND 3/4" E.C. UP IN WALL TO ABOVE CEILING FOR INSTALLATION OF WIRELESS COMMUNICATION CONTROL UNIT.
- 3 PROVIDE TWO DOUBLE-GANG RINGS (CARLON #SC200R2) WITH STAINLESS STEEL COVER PLATE AND HOLE IN PLATE FOR AUDIO WITH 2" CONDUIT STUBBED UP INTO THE CEILING SPACE. ONE RING SHALL BE ABOVE THE COUNTER AND ONE BELOW WITH A 2" CONDUIT BETWEEN THE RINGS.
- 4 PROVIDE SINGLE-GANG JUNCTION BOX WITH A 1" EMPTY CONDUIT STUBBED UP INTO THE ACCESSIBLE CEILING SPACE FOR OWNERS' VOIP PHONE JACK AND CABLES.
- 5 PROVIDE TWO 61-X65-X140 J-BOX (ONE FOR TELEPHONE AND ONE FOR ISP) AT 6'-6" AFF AND EXTEND A 2" CONDUIT WITH PULL STRING IN THE WALL FROM EACH J-BOX INTO THE ACCESSIBLE CEILING SPACE.
- 6 PROVIDE A 36X36X3/8 PLYWOOD BACKBOARD ON THE WALL ABOVE THE J-BOXES (AT THE CEILING) FOR USE BY THE ISP. PROVIDE A COPPER GROUND BAR AT THE BOTTOM OF THE BACKBOARD WITH #6 AWG INSULATED CU GROUNDING CONDUCTOR IN A 3/4" C FROM THE GROUND BAR TO THE BUILDING'S ELECTRICAL SERVICE GROUNDING ELECTRODE SYSTEM (GES). THE GROUND BAR SHALL HAVE TAPS FOR USE BY THE TELEPHONE AND ISP UTILITY COMPANIES AND FOR THE #6 COMMUNICATIONS GROUNDING CONDUCTOR TO THE GES. PROVIDE A 15 AMP ISOLATED GROUND (IG) ORANGE-FACED DUPLEX RECEPTACLE IN THE WALL BESIDE THE BACKBOARD. CONNECT TO CIRCUIT POS-12 (5A/1P BRANCH BREAKER) AND LABEL THE RECEPTACLE FOR FIBER TO CABLE MODEM USE ONLY.

6 CO2 DETECTOR NOTES:

- 1 CO2 CENTRAL CONTROL UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 2 CO2 ANNUNCIATOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 3 CO2 SENSOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 12" AFF WITH 1/2" C CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 4 CO2 POWER SUPPLY - PROVIDE SINGLE-GANG BACKBOX AT 18" BELOW CEILING WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE. PROVIDE A DUPLEX OUTLET, AND CONNECT TO A LOCAL GENERAL OUTLET CIRCUIT. FIELD VERIFY EXACT LOCATION WITH STRONG SYSTEMS 800-500-5566.

7 KEY NOTES - MUSIC:

- 1 PROVIDE JUNCTION BOX WITH STAINLESS STEEL COVER PLATE AND 3/4" HOLE IN PLATE WITH GROMMET ON HOLE IN PLATE. EXTEND 3/4" E.C. UP IN WALL TO ABOVE CEILING FOR MUSIC SYSTEM.
- 2 PROVIDE JUNCTION BOX WITH STAINLESS STEEL COVER PLATE AND 3/4" HOLE IN PLATE WITH GROMMET ON HOLE IN PLATE. EXTEND 3/4" E.C. UP IN WALL TO PARAPET WALL FOR THE SATELLITE DISH.
- 3 PROVIDE THREE SINGLE GANG EXTRA DEEP J-BOXES AT 74" AFF WITH 1/2" CONDUIT FROM EACH TO THE CENTER BOX AND A 1" CONDUIT STUBBED INTO THE CEILING SPACE FOR MUSIC SYSTEM VOLUME CONTROLS.
- 4 PROVIDE A SINGLE GANG EXTRA DEEP JUNCTION BOX AT 74" AFF WITH 1/2" CONDUIT STUBBED INTO THE CEILING SPACE FOR MUSIC SYSTEM VOLUME CONTROLS.

8 KEY NOTES - POS SYSTEM:

- 1 PROVIDE A TROPIT DOUBLE-GANG RING (CARLON #SC200R2) FOR OWNERS' DEVICE PLATE WITH A 3" EMPTY CONDUIT AT THE OPENING IN THE WALL UP TO THE CEILING SPACE FOR OWNERS' DATA CABLES.
- 2 PROVIDE JUNCTION BOX FOR TERMINATION OF 1" CONDUIT. PROVIDE 1" CONDUIT EXTENDING FROM CEILING AND TERMINATED AT JUNCTION BOX ON THE SERVING AREA SIDE OF THE WALL. COVER PLATE PROVIDED BY OWNERS' POS SYSTEM VENDOR.
- 3 PROVIDE A 2" CONDUIT FROM FACE OF WALL AND EXTEND CONDUIT TO JUNCTION BOX IN CEILING SPACE ABOVE SERVING AREA. CONDUIT SHALL TERMINATE FLUSH WITH FACE OF WALL BELOW COUNTER. CUSTOM STAINLESS STEEL COVER PLATE IN WALL WITH GROMMET ON 2" DIAMETER HOLE AT CONDUIT TERMINATION IN WALL.
- 4 PROVIDE A TROPIT SINGLE GANG RING (CARLON #SC100R2) FOR OWNERS' DEVICE PLATE WITH A 3" EMPTY CONDUIT AT THE OPENING IN THE WALL UP TO THE CEILING SPACE FOR OWNERS' DATA CABLES.
- 5 PROVIDE JUNCTION BOX FOR TERMINATION OF 1" CONDUIT. PROVIDE 1" CONDUIT EXTENDING FROM CEILING AND TERMINATED AT JUNCTION BOX ON THE SERVING AREA SIDE OF THE WALL. POS SYSTEM SUPPLIER WILL PROVIDE COVER PLATE ON BOX.
- 6 PROVIDE SINGLE GANG EXTRA DEEP JUNCTION BOX MOUNTED ON THE MOUNTING PLATE WITHIN THE FRONT SERVING COUNTER CASEWORK.
- 7 PROVIDE SINGLE GANG EXTRA DEEP JUNCTION BOX MOUNTED FLUSH MOUNTED IN THE CEILING FOR POS DATA PLATE (BY OTHERS) FOR THE SALAD PREP AREA POS MONITOR AND PRINTER



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AR0011595
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ARCHITECTURE
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220 E. CENTRAL PKWY, STE 4000
ALAMONTE SPRINGS, FL 32701
407.645.5038



CHICK-FIL-A
Parham Road
1529 N. Parham Road,
Richmond, VA 23229

FSR#02554

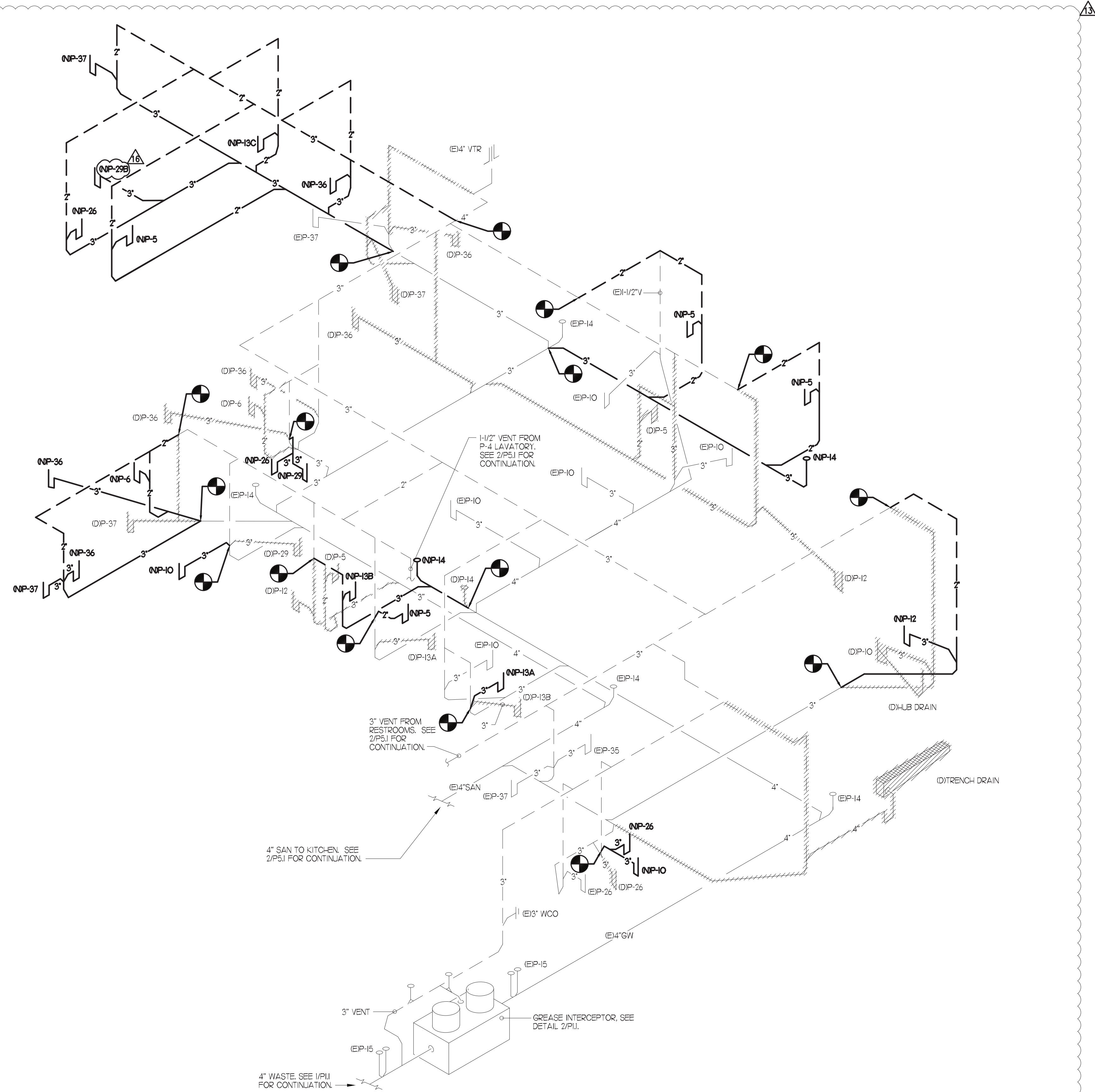
BUILDING TYPE / SIZE:	S08-E	
RELEASE:	08/24/2022	
PRINTED FOR:	CONSTRUCTION	
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	08/24/2022	ISSUE FOR PERMIT
2	01/14/23	REVISION COORDINATION
10	07/07/2023	DESIGN NOTE UPDATES
12	08/03/2023	BID COMMENTS
CONTRACTOR PROJECT #	2020.0750	
DATE	08/24/22	
DRAWN BY	MI	
CHECKED BY	SN	
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SHEET		
POWER & SYSTEMS PLAN & NOTES		
SHEET NUMBER		

PIPING LEGEND	
EXISTING BELOW SLAB PIPING	---
VENT	---
SANITARY, GREASE WASTE	---

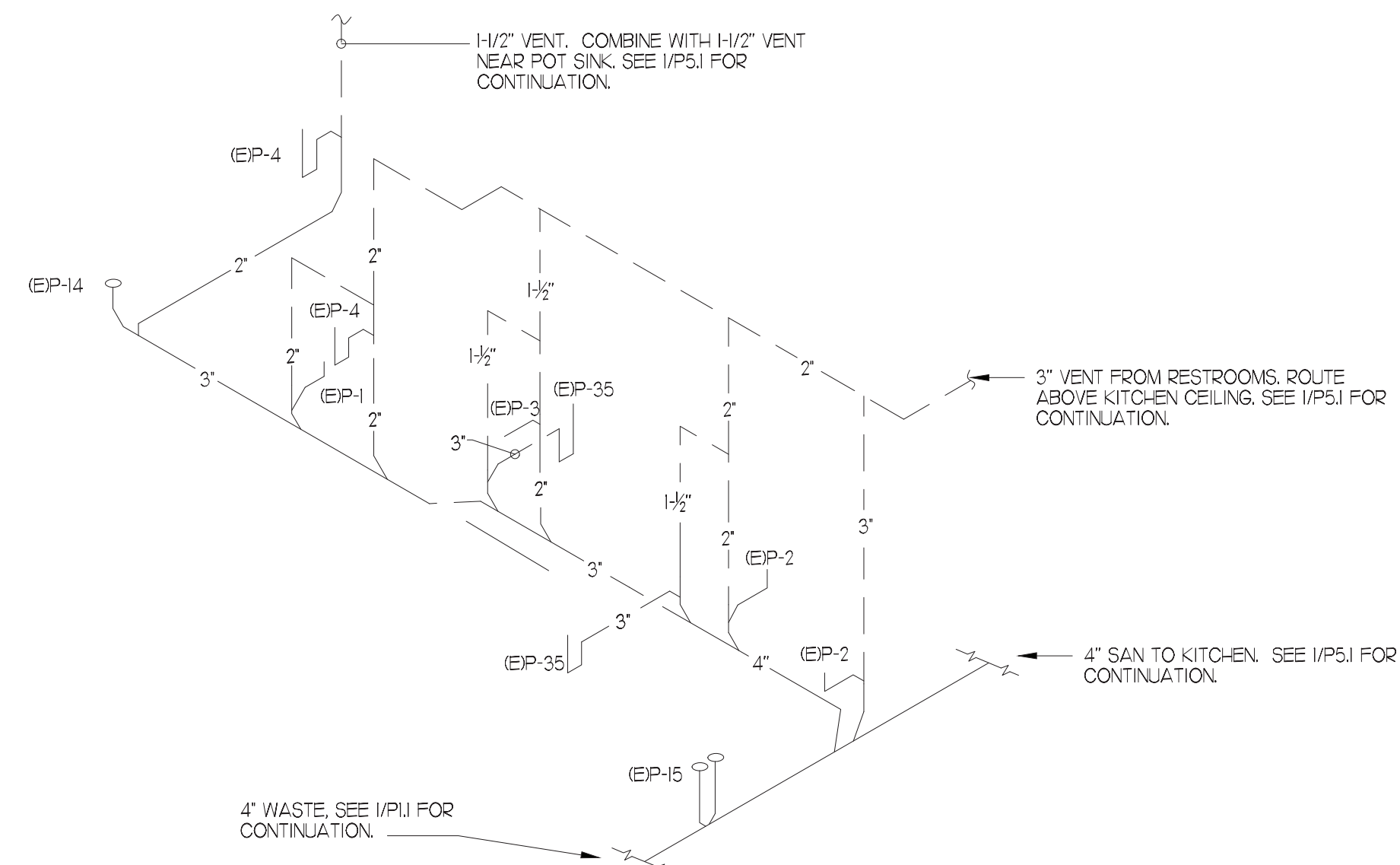
KITCHEN EQUIPMENT NO. SEE KITCHEN EQUIPMENT SCHEDULE FOR EQUIPMENT DESCRIPTIONS.

COORDINATE VENT TERMINAL LOCATION WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 10' CLEARANCE.

ALL VENT PIPING SHALL BE 2" DIAMETER UNO.



1 WASTE RISER DIAGRAM
NO SCALE



2 RESTROOM WASTE RISER DIAGRAM
NO SCALE



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

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BUILDING TYPE / SIZE: S08-E
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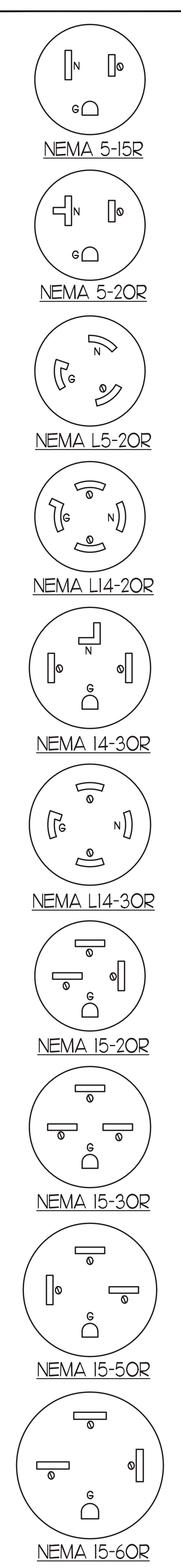
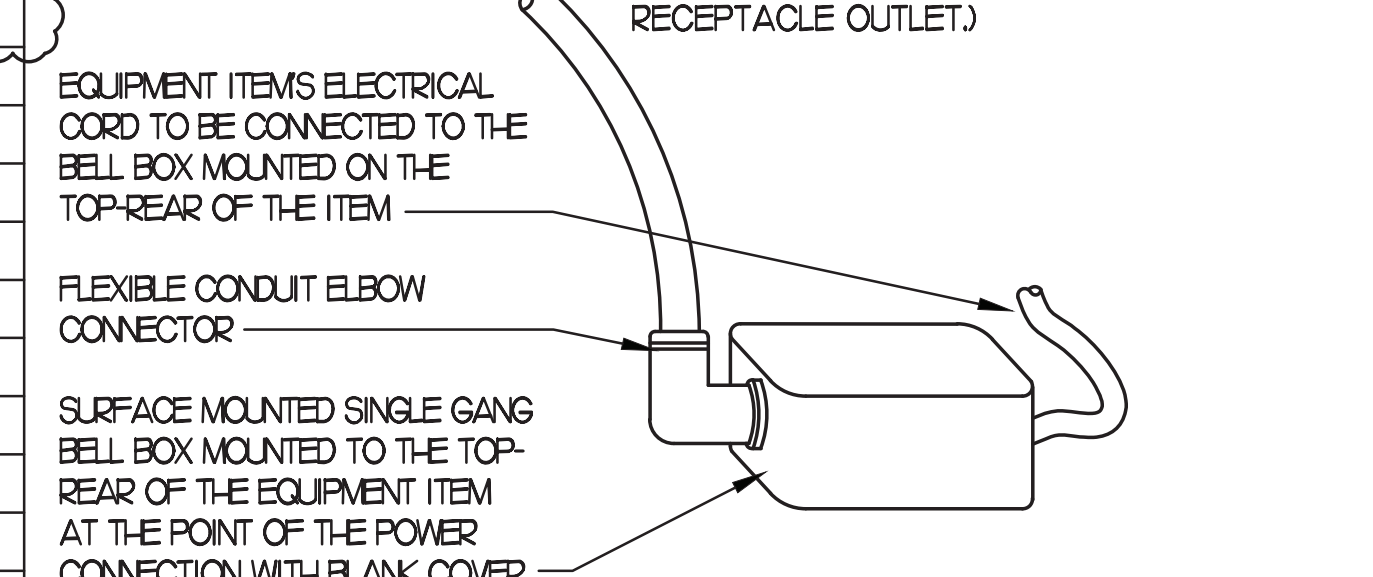
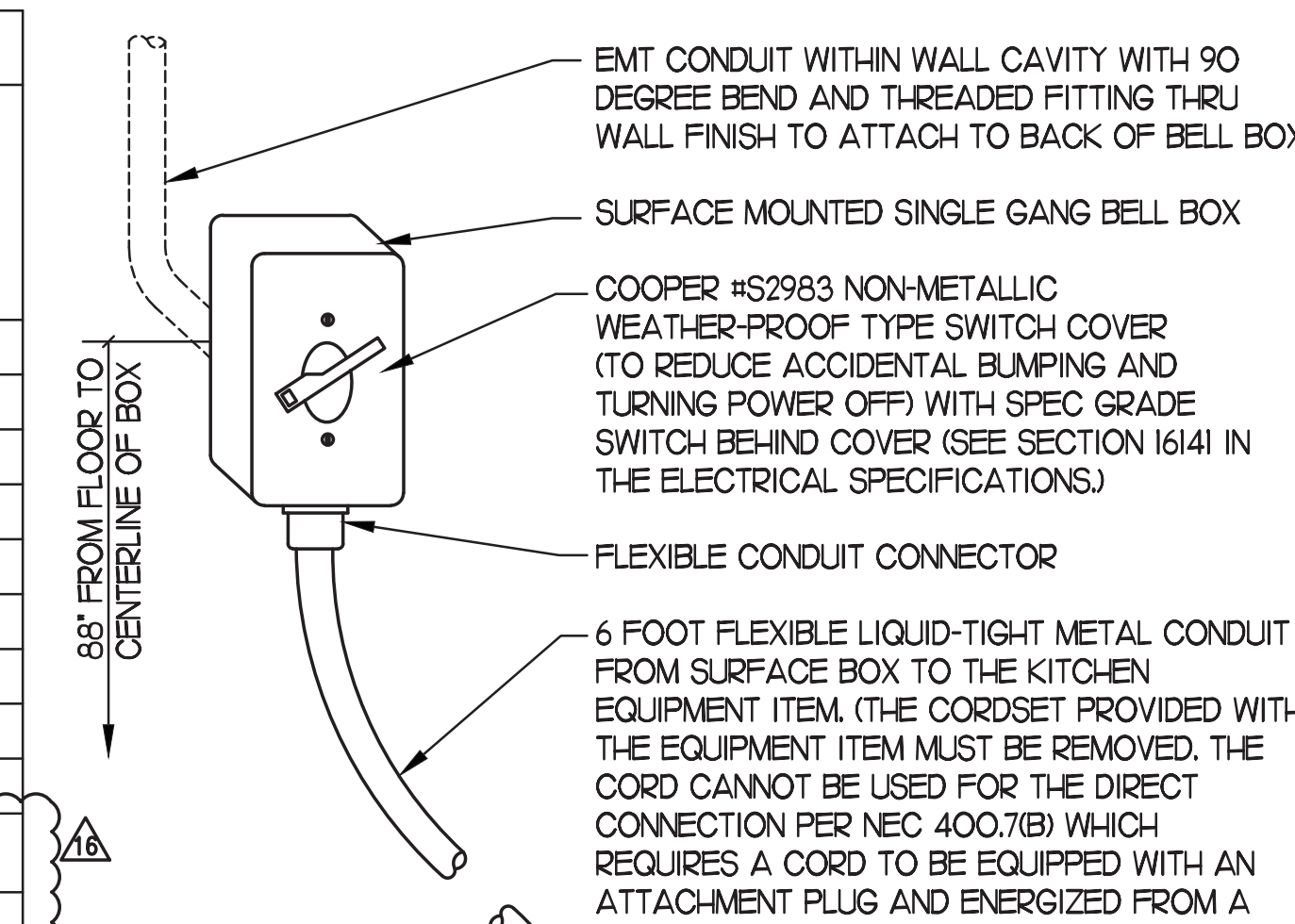
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
01	08/24/22	BRIDGE CORRECTIONS
02	08/24/22	BRIDGE CORRECTIONS
03	08/24/22	BRIDGE CORRECTIONS
04	08/24/22	BRIDGE CORRECTIONS
05	08/24/22	BRIDGE CORRECTIONS
06	08/24/22	BRIDGE CORRECTIONS
07	08/24/22	BRIDGE CORRECTIONS
08	08/24/22	BRIDGE CORRECTIONS
09	08/24/22	BRIDGE CORRECTIONS
10	08/24/22	BRIDGE CORRECTIONS

CONSULTANT PROJECT # 2020.0759
DATE 08/24/22
DRAWN BY MG
CHECKED BY DAK
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SHEET WASTE RISER DIAGRAM

SHEET NUMBER
P5.1

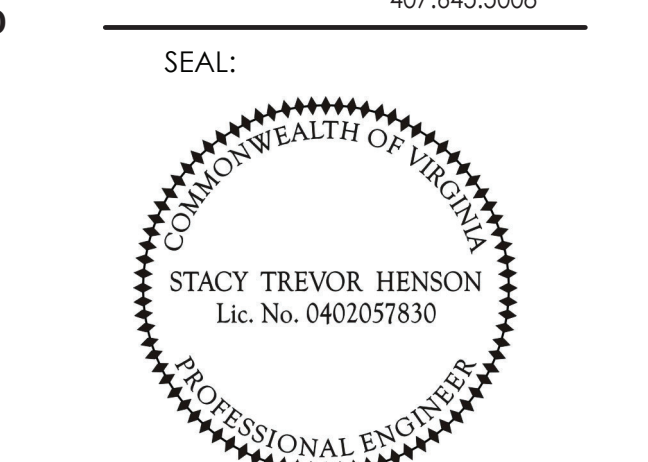
REQ UR ES IG OF WIR ING	ITEM NO.	EQUIPMENT	MANUFACTURER	ELECTRICAL					NEMA CONFIG	COOPER/ARROW HART (UON) RECEP. CAT. NO.	Wire/Conduit MARK NO.	(ALL ITEMS BY CHICK-FIL-A UNLESS OTHERWISE NOTED)
				VOLT	PH	WI RES	KW	AMP				
	180R	ORDER REGISTER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	182	RECEIPT PRINTER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	182L	LABEL PRINTER	RADIANT KITCHEN PRODUCTION SYSTEM	120	1						NEMA 6-20P	
	183R	ORDER MONITOR	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	123	MIDLINE 66" TOAST TABLE	ATLANTA CUSTOM FABRICATORS									
	124	MIDLINE 120" TABLE	ATLANTA CUSTOM FABRICATORS									
	183	ORDER MONITOR	RADIANT KITCHEN PRODUCTION SYSTEM	120	1	2		0.125			NEMA 5-20R	
	184R	IPAD	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	190R	DRIVE-THRU VIDEO MONITOR	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	211B	FLY SYSTEM	PESTWEST MANTIS QUALIS IN WHITE (MODEL #125-000502)	120	1	2	0.078	0.65			1	
	211C	FLY SYSTEM	PESTWEST MANTIS SIRIUS IN WHITE (MODEL #125-000513)	120	1	2	0.078	0.65			1	
	289	ANSUL FIRE SUPPRESSION SYSTEM	HALTON HOODS	120	1	2					VERIFY DIRECT CONNECTION	
	270	ANSUL FIRE SUPPRESSION SYSTEM	HALTON HOODS	120	1	2					VERIFY DIRECT CONNECTION	
	300GR	MILKSHAKE BASE DISPENSER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	300XR	DOUBLE BARREL ICE CREAM MACHINE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	305	TEA BREWER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	308GR	DRY & DAIRY DISPENSER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	308R	SINGLE COFFEE MAKER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	310R	DOUBLE JUICE DISPENSER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	315W	10-HEAD DRINK TOWER/ICE BIN	LANCER #B5-23710-111-07 MODEL 2300	120	1	2		10.0			NEMA 5-20R	
	320	TURBO CARBONATOR	LANCER #B5-1923-03	115	1	2		6.2			NEMA 5-20R	
	363	DISHWASHER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	380X	ICE MACHINE	FOLLETT HORIZON CHEWBLET MODEL #HMF1650RBT	120	1	2		6			NEMA 5-15R	
	380Z	ICE MACHINE REMOTE CONDENSING UNIT	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	400R	SGL. SECTION REACH-IN FREEZER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	401	FREEZER/WORK TABLE	TRAUlsen MODEL #ULT48-ZCF-LR	120	1	2		7.3			NEMA L5-20R	
	410	WALK-IN FREEZER	THERMOKOOL	120	1	2		3.3			DIRECT CONNECTION	
	410g	WALK-IN FREEZER CONDENSER	THERMOKOOL	208	3	3		16.500			DIRECT CONNECTION	
	410b	WALK-IN FREEZER EVAPORATOR	THERMOKOOL	208	1	2		8.8			DIRECT CONNECTION	
	420R	SGL. UNDERCOUNTER REFRIGERATOR	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	421	DOUBLE UNDERCOUNTER REFRIGERATOR	TRAUlsen MODEL #UHT48-ZCF	120	1	2	.48	5.7			NEMA 5-20R	
	422T	REFRIGERATOR	TRAUlsen MODEL #TE048HT	115	1	2	0.33	6.7			5-15P	
	431W	REFRIGERATOR	TRAUlsen MODEL #UHT48-ZCF-LR	115	1	2	0.756	6.3			5-15P	
	432R	REFRIGERATED WORK TABLE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	439	40" COLD RAIL	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	440	BREADING TABLE	RANDELL MODEL #52385WPRM-CFA	120	1	2		12.0			NEMA L5-20R	
	440R	BREADING TABLE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	441	SALAD PREP TABLE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	444R	THAWING CABINET - DOUBLE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	444S	THAWING CABINET - SINGLE	TRAUlsen MODEL #RET132EWUT-FHS	120	1	2		16.0			DIRECT CONNECTION	
	505V	VECTOR OVEN	ALTO-SHAM	208	3			7.9			15-30P	
	560E	FRY WARMER	BKI MODEL #UW-17	120	1			1				
	449	WALK-IN COOLER	THERMOKOOL	120	1	2		2.4			DIRECT CONNECTION	
	449g	WALK-IN COOLER CONDENSER	THERMOKOOL	208	3	3		9.5000			DIRECT CONNECTION	
	449b	WALK-IN COOLER EVAPORATOR	THERMOKOOL	208	1	2		1.0			DIRECT CONNECTION	
	500AR	VERTICAL CONTACT TOASTER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	500BR	RADIANT TOASTER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	500R	BUN WARMER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	505G	RANGE/CONVECTION OVEN	LANG MODEL #9P-R30CAPF208CF	208	3	3	19.8	57.6			NEMA 15-60R	
	505VL	VICTOR OVEN	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	521	WARMING EYES WITH STAND	STAR-MAX MODEL #502FD	208	1	3	3.9	18.8			NEMA 6-30R	
	522	OPEN FRYER	HENNY PENNY MODEL #CFE-410	208	3	3	22.0	61			PIN&SLEEVE	
	522R	OPEN FRYER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	523	PRESSURE FRYER	HENNY PENNY MODEL #PFE-500	208	3	3	13.5	38.0			NEMA 15-50R	
	523R	PRESSURE FRYER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	524	DUAL-SIDED XPRESS BROILER	GARLAND #CXBE12	208	3	3	16.04	47.0			NEMA 15-50R	
	524R	DUAL-SIDED XPRESS BROILER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	550	DOUBLE WARMING DRAWER	TOASTMASTER MODEL #3880A	120	1	2	1.00	8.3			NEMA 5-15R	
	560	FRY HOLDING STATION	BKI MODEL #FW-15BB	120	1	2	1.84	15.4			NEMA 5-20R	
	560S	FRY HOLDING STATION	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	560R	FRY HOLDING STATION	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	562A	HIGH DENSITY HOT HOLDING TOWER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	563D	SANDWICH SLIDE	BKI MODEL #2TSM-2624L	120	1	2	1.09	9.13			NEMA 5-20R	
	563S	SANDWICH SLIDE	BKI MODEL #SM-2624R	120	1	2	.548	4.56			NEMA 5-20R	
	564	PRODUCT HOLDING CABINET	DUKE MODEL #FWM3-24CF6-120	120	1	2	1.6	13.3			NEMA 5-15R	
	564A	PRODUCT HOLDING CABINET	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	565C	FOOD COOKER/ WARMER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	580H	MULTI-USE HOLDING CABINET	DUKE MODEL #MUHC-52-120	120	1	2	2.88	24			NEMA L5-30R	
	600R	FLOOR MIXER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	607R	LEMON JUICER	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	669R	OFFICE SAFE	EQUIPMENT TO BE REUSED/RELOCATED								VERIFY	
	671	FLAT-VU MENU BOX	C3 LIGHTING SOLUTIONS SIZE B	120	1	2	.054	.45			NEMA 5-20R	
	592	RETHERMALIZER	PITCO SRTE 14	208	3			8			15-50P	



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 NO. DATE DESCRIPTION
 16 11/27/2023 DESIGN NOTE
 UPDATES

CONSULTANT PROJECT # 2020.0750
 DATE 08/24/22
 DRAWN BY MI
 CHECKED BY SN
 SHEET EQUIP SCHEDULE AND DETAILS
 SHEET NUMBER



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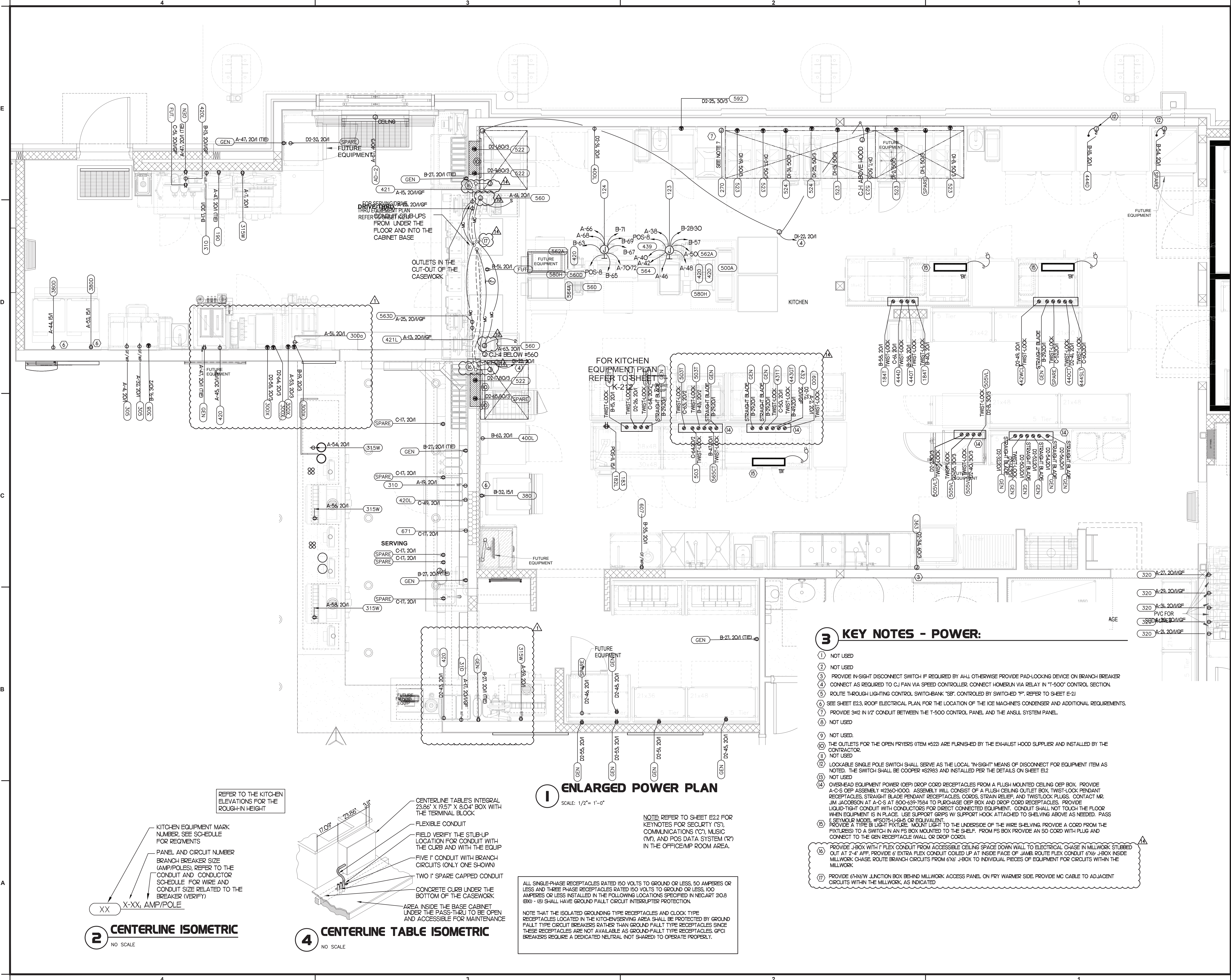
NO.	DATE	DESCRIPTION
1	07/28/2022	ISSUE FOR PERMIT
10	07/07/2023	DESIGN NOTE UPDATES
14	09/25/2023	BID REVISIONS

CONSULTANT PROJECT # 2020.0759
DATE 08/24/22
DRAWN BY MI
CHECKED BY SN

ENLARGED POWER PLAN

SHEET NUMBER

E2.4



1 ENLARGED POWER PLAN

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

NOTE: REFER TO SHEET E22 FOR KEYNOTES FOR SECURITY ('S'), COMMUNICATIONS ('C'), MUSIC ('M'), AND POS DATA SYSTEM ('P') IN THE OFFICE/MP ROOM AREA.

ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS SPECIFIED IN NECART 200.8 (B)(1) - (8) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.

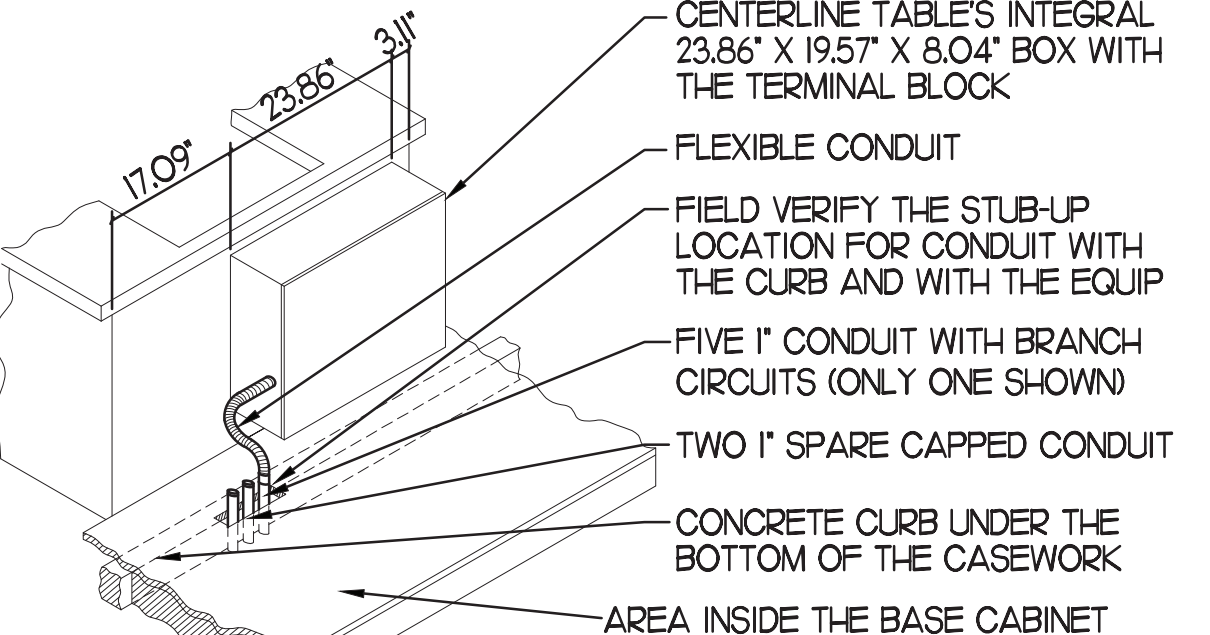
NOTE THAT THE ISOLATED GROUNDING TYPE RECEPTACLES AND GLOCK-TYPE RECEPTACLES LOCATED IN THE KITCHEN/SERVING AREA SHALL BE PROTECTED BY GROUND FAULT TYPE CIRCUIT BREAKERS RATHER THAN GROUND FAULT TYPE RECEPTACLES SINCE THESE RECEPTACLES ARE NOT AVAILABLE AS GROUND FAULT TYPE RECEPTACLES. GFCI BREAKERS REQUIRE A DEDICATED NEUTRAL (NOT SHARED) TO OPERATE PROPERLY.

3 KEY NOTES - POWER:

- 1 NOT USED
- 2 NOT USED
- 3 PROVIDE IN-SIGHT DISCONNECT SWITCH IF REQUIRED BY A4L OTHERWISE PROVIDE PAD-LOCKING DEVICE ON BRANCH BREAKER
- 4 CONNECT AS REQUIRED TO CJ FAN VIA SPEED CONTROLLER. CONNECT HOMERUN VIA RELAY IN "T-500" CONTROL SECTION.
- 5 ROUTE THROUGH LIGHTING CONTROL SWITCH-BANK "SB". CONTROLLED BY SWITCHED "F". REFER TO SHEET E-21
- 6 SEE SHEET E23, ROOF ELECTRICAL PLAN, FOR THE LOCATION OF THE ICE MACHINES CONDENSER AND ADDITIONAL REQUIREMENTS.
- 7 PROVIDE 3/4" ID 1/2" CONDUIT BETWEEN THE T-500 CONTROL PANEL AND THE ANSLU SYSTEM PANEL.
- 8 NOT USED
- 9 NOT USED.
- 10 THE OUTLETS FOR THE OPEN FRYERS (ITEM #522) ARE FURNISHED BY THE EXHAUST HOOD SUPPLIER AND INSTALLED BY THE CONTRACTOR.
- 11 NOT USED.
- 12 LOCKABLE SINGLE POLE SWITCH SHALL SERVE AS THE LOCAL "IN-SIGHT" MEANS OF DISCONNECT FOR EQUIPMENT ITEM AS NOTED. THE SWITCH SHALL BE COOPER #S2983 AND INSTALLED PER THE DETAILS ON SHEET E12
- 13 NOT USED
- 14 OVER-HEAD EQUIPMENT POWER (OEP) DROP CORD RECEPTACLES FROM A FLUSH MOUNTED CEILING OEP BOX. PROVIDE A-C-S OEP ASSEMBLY #12360-1000. ASSEMBLY WILL CONSIST OF A FLUSH CEILING OUTLET BOX, TWIST-LOCK PENDANT RECEPTACLES, STRAIGHT BLADE PENDANT RECEPTACLES, COORDS, STRAIN RELIEF, AND TWIST-LOCK PLUGS. CONTACT MR. JIM JACOBSON AT A-C-S AT 800-639-7584 TO PURCHASE OEP BOX, AND DROP CORD RECEPTACLES. PROVIDE LIQUID-TIGHT CONDUIT WITH CONDUCTORS FOR DIRECT CONNECTED EQUIPMENT. CONDUIT SHALL NOT TOUCH THE FLOOR WHEN EQUIPMENT IS IN PLACE. USE SUPPORT GRIPS W/ SUPPORT HOOK ATTACHED TO SHELVING ABOVE AS NEEDED. PASS 6" SPMOUR MODEL #FS071-1-1/2-6 OR EQUIVALENT PROVIDE A TYPE B LIGHT FIXTURE. MOUNT LIGHT TO THE UNDERSIDE OF THE WIRE SHELVING. PROVIDE A CORD FROM THE FIXTURES TO A SWITCH IN AN FS BOX MOUNTED TO THE SHELF. FROM FS BOX PROVIDE AN SO CORD WITH PLUG AND CONNECT TO THE GEN RECEPTACLE (WALL OR DROP CORD).
- 15 PROVIDE J-BOX WITH 1" FLEX CONDUIT FROM ACCESSIBLE CEILING SPACE DOWN WALL TO ELECTRICAL CHASE IN MILLWORK STUBBED OUT AT 2'-4" AFF. PROVIDE 6" EXTRA FLEX CONDUIT COILED UP AT INSIDE FACE OF JAMB. ROUTE FLEX CONDUIT 6"x6" J-BOX INSIDE MILLWORK. CHASE ROUTE BRANCH CIRCUITS FROM 6"x6" J-BOX TO INDIVIDUAL PIECES OF EQUIPMENT FOR CIRCUITS WITHIN THE MILLWORK.
- 17 PROVIDE 61"x6" JUNCTION BOX BEHIND MILLWORK ACCESS PANEL ON FRY WARMER SIDE. PROVIDE MC CABLE TO ADJACENT CIRCUITS WITHIN THE MILLWORK, AS INDICATED

KITCHEN EQUIPMENT MARK NUMBER, SEE SCHEDULE FOR COMMENTS
PANEL AND CIRCUIT NUMBER, BRANCH BREAKER SIZE (AMP/POLES), REFER TO THE CONDUIT AND CONDUCTOR SCHEDULE FOR WIRE AND CONDUIT SIZE RELATED TO THE BREAKER (VERIFY)
XX X-XX, AMP/POLE

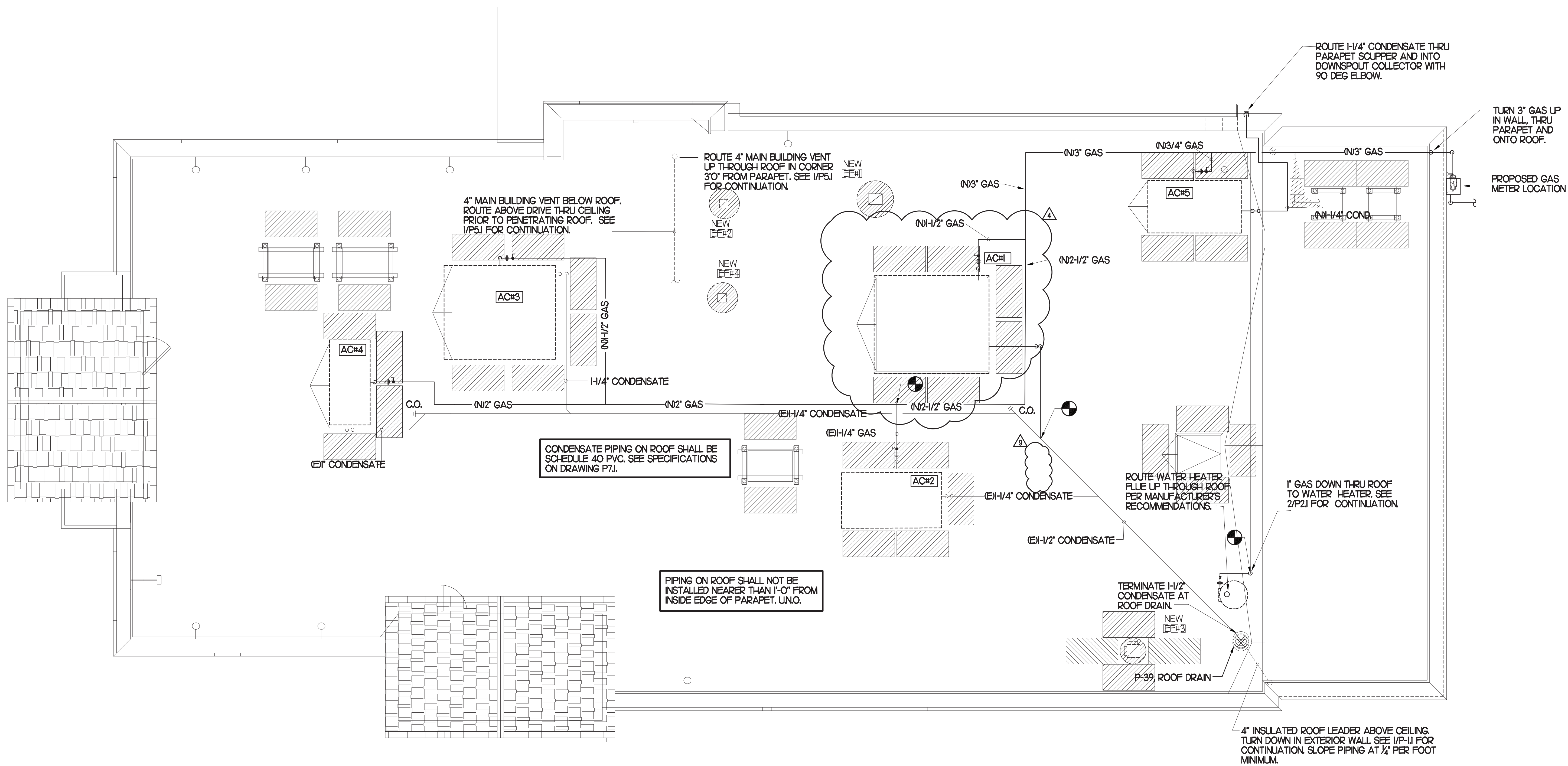
2 CENTERLINE ISOMETRIC
NO SCALE



4 CENTERLINE TABLE ISOMETRIC
NO SCALE

REFER TO THE KITCHEN ELEVATIONS FOR THE ROUGH-IN HEIGHT

CENTERLINE TABLE'S INTEGRAL 23.86" X 19.57" X 8.04" BOX WITH THE TERMINAL BLOCK
FLEXIBLE CONDUIT
FIELD VERIFY THE STUB-UP LOCATION FOR CONDUIT WITH THE CURB AND WITH THE EQUIP
FIVE 1" CONDUIT WITH BRANCH CIRCUITS (ONLY ONE SHOWN)
TWO 1" SPARE CAPPED CONDUIT
CONCRETE CURB UNDER THE BOTTOM OF THE CASEWORK
AREA INSIDE THE BASE CABINET UNDER THE PASS-THRU TO BE OPEN AND ACCESSIBLE FOR MAINTENANCE



1 ROOF PIPING PLAN
SCALE: 1/4"=1'-0"
TRUE NORTH PROJECT NORTH

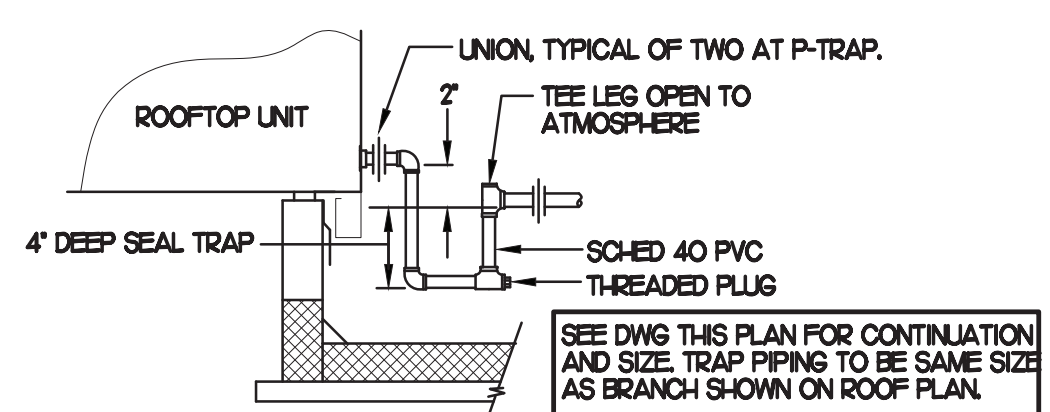
PIPING LEGEND

Ø	EXISTING
∅	NEW
---	EXISTING PIPING
---	BELOW GRADE (B/G) PIPING

PIPING ON ROOF SHALL NOT BE INSTALLED NEARER THAN 1'-0" FROM INSIDE EDGE OF PARAPET, UNO.
OFFSET PIPING A MINIMUM OF 6" ABOVE TOP EDGE OF FLASHING.

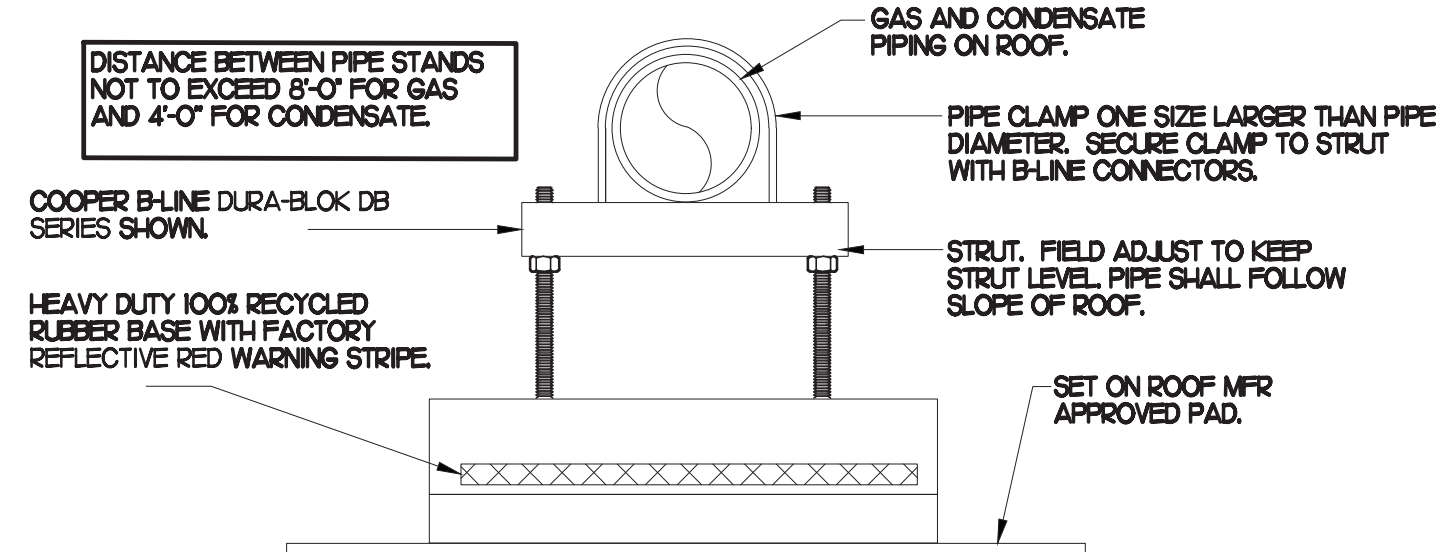
SEE DETAIL 6/A-1.8 FOR ROOFTOP PIPE PENETRATIONS.

CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC.



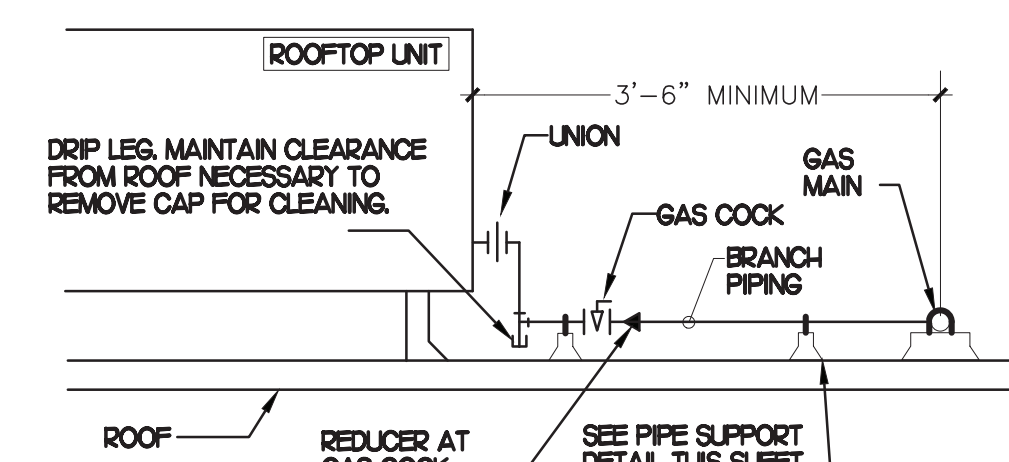
2 CONDENSATE DRAIN PIPING
NO SCALE

- NOTES**
- NON ADJUSTABLE MODEL DB610 PIPE STAND TO BE USED FOR NON-ELEVATED PIPING INSTALLED FLAT ON ROOF DECK.
 - PROVIDE MODEL DBE 10-8 OR DBE 10-12 OR DBE 10-16 AS NEEDED FOR ELEVATING CONDENSATE PIPING TO MAINTAIN PROPER SLOPE AND FOR GAS PIPING CROSSING OVER CONDENSATE PIPING.
 - ENSURE GAS AND CONDENSATE PIPING DO NOT OBSTRUCT ROOFTOP EQUIPMENT ACCESS OPENINGS. REPAIRING OF SYSTEMS DUE TO CONFLICTS WITH EQUIPMENT ACCESS OPENINGS SHALL BE DONE AT PLUMBING CONTRACTOR'S EXPENSE.



3 PIPING SUPPORT
NO SCALE

- NOTES**
- INSTALL GAS PIPING SUCH THAT HVAC EQUIPMENT ACCESS PANELS AND/OR DOORS ARE IN NO WAY OBSTRUCTED BY PIPING, VALVES, OR SUPPORTS.
 - TO AVOID CONFLICT WITH AC UNIT ACCESS DOORS, INSTALL GAS PIPING NO CLOSER THAN 3'-6" FROM AC UNIT. (EXCEPT FOR BRANCH LINE CONNECTED TO AC UNIT)
 - ROUTE BRANCH TAKE-OFF DIRECTLY FROM MAIN TO ROOFTOP UNIT AS SHOWN ON PLAN AND DETAILS WITHOUT LATERAL OFFSETS WHICH MAY OBSTRUCT UNIT ACCESS DOORS.



4 GAS PIPING AT RTU
NO SCALE

5 GAS CONNECTION SCHEDULE

EQUIPMENT	GAS LOAD
NEW ACH1	480,000 BTUS
NEW ACH2	240,000 BTUS
NEW ACH3	360,000 BTUS
NEW ACH4	150,000 BTUS
NEW ACH5	65,000 BTUS
EXISTING WATER HEATER	80,000 BTUS
TOTAL CONNECTED LOAD	1,375,000 BTUS

REMARKS:

- EQUIVALENT TO 1375.0 CFH + PRESSURE DROP 0.5 IN. W.C. W/ DEVELOP LENGTH OF 125 FT
- MINIMUM 7" W.C. DELIVERY PRESSURE



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1	10/14/22	REVIEW COORDINATION
2	11/25/23	FIELD SOW UPDATES
3	06/21/23	SOW UPDATES

CONSULTANT PROJECT # 2020.0759
DATE 08/24/22
DRAWN BY MG
CHECKED BY DAK
SHEET ROOF PIPING PLAN

SHEET NUMBER
P4.1



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CONSTRUCTION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
4	01/25/2023	REQ SOW UPDATES
11	08/24/2022	ARCHIT. CORRE.

CONSULTANT PROJECT # 2020.0759

DATE 08/24/22

DRAWN BY MI

CHECKED BY SN

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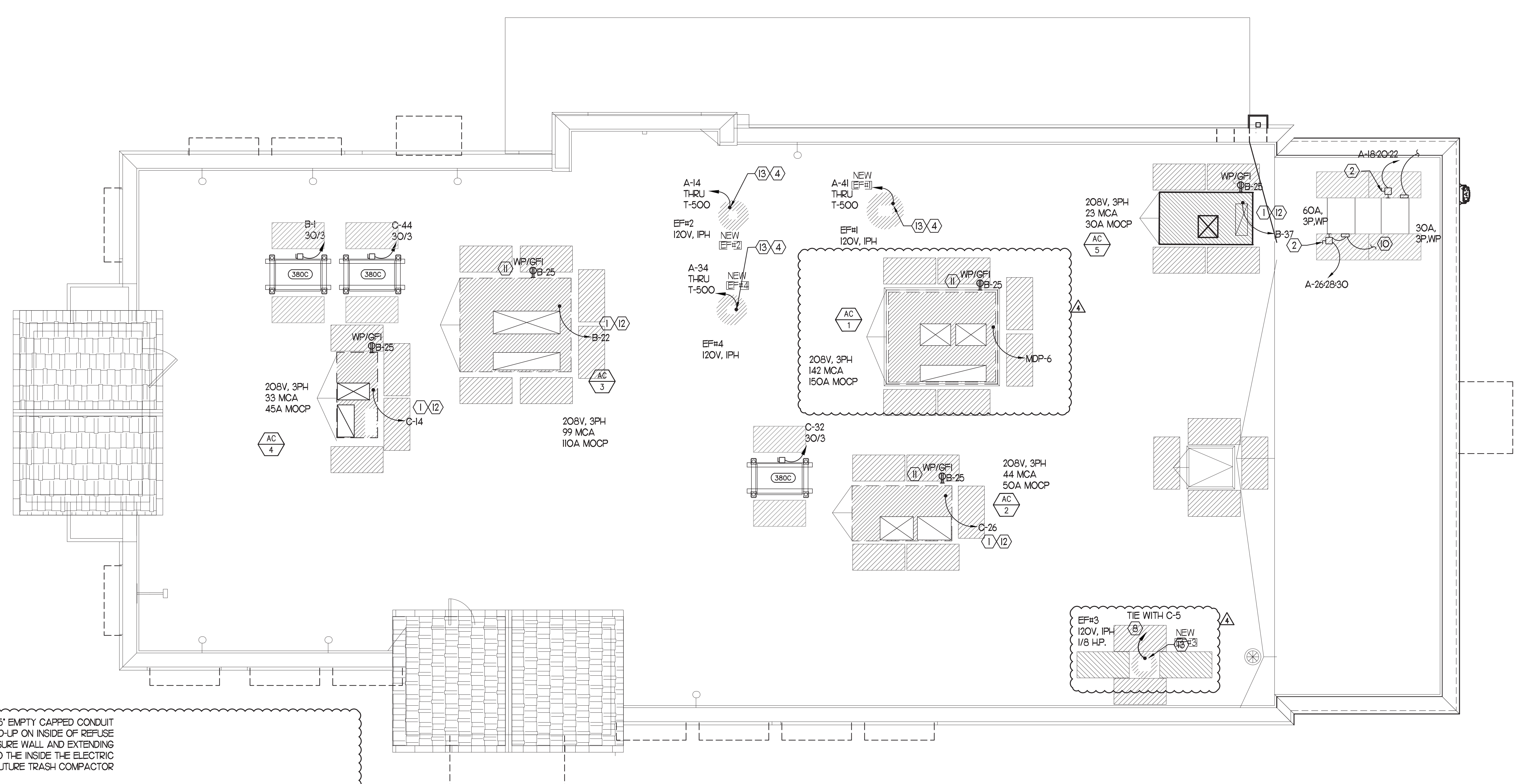
SHEET

ROOF ELECT. PLAN

SHEET NUMBER

E2.3

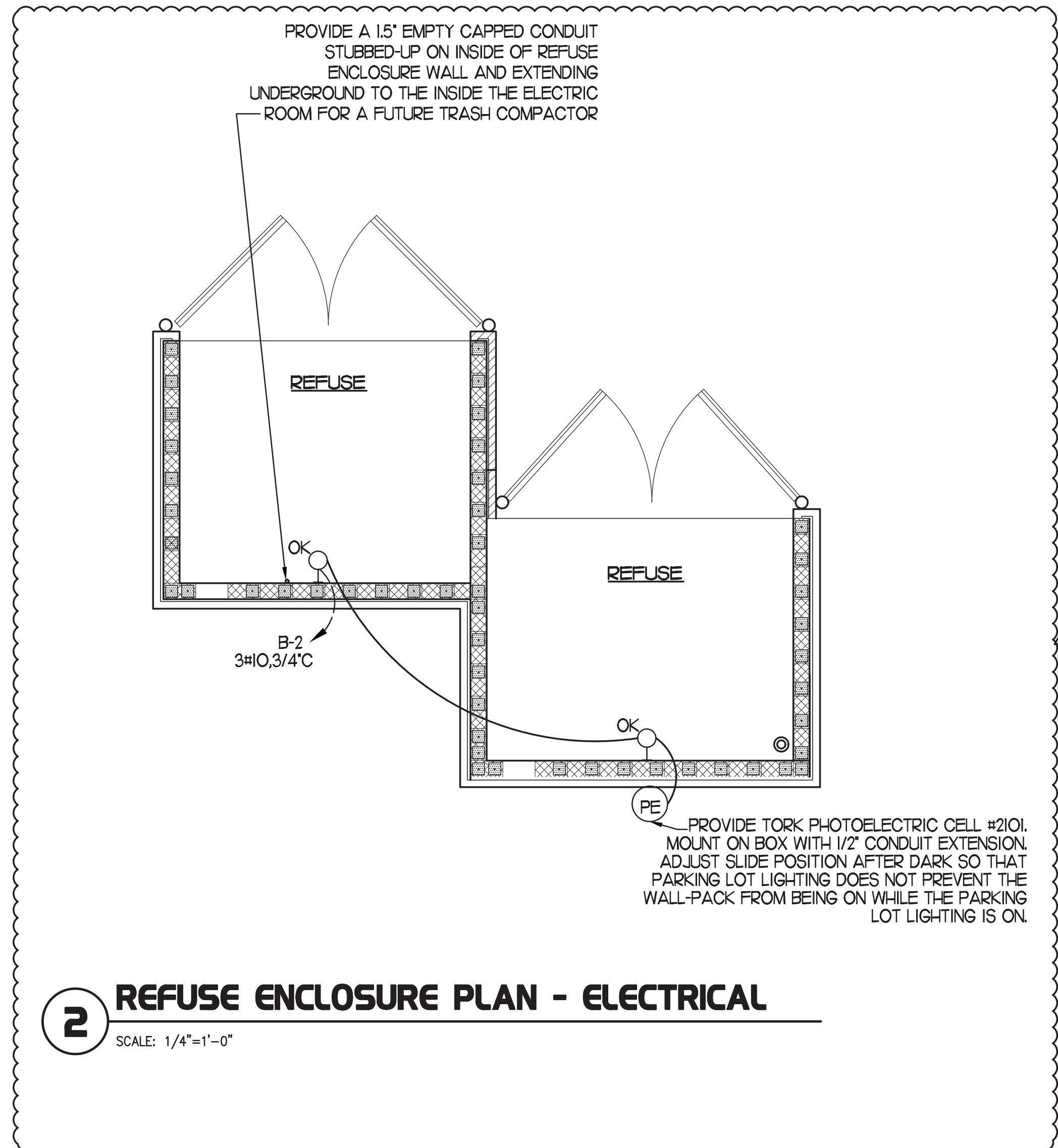
MARIBR - 12/11/2023 2:01:22 PM



1 ROOF ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

2 KEY NOTES - ROOF ELECTRICAL PLAN:

- ROUTE ELECTRICAL CONDUITS TO UNIT CONNECTIONS THROUGH WEATHERPROOF RACEWAY FURNISHED WITH UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
- MOUNT DISCONNECT SWITCHES FOR WIC AND WIF CONDENSERS ON UNISTRUT WITH CONDUIT DOWN INTO CEILING SPACE BELOW THRU ROOF PENETRATION DEVICE (NOT THRU ROOF). PROVIDE FUSE SIZE PER MANUFACTURER REQUIREMENTS.
- NOT USED.
- COORDINATE EXACT LOCATION OF CONDUIT AND DISCONNECT AT EXHAUST FAN. CONDUIT SHALL BE INSTALLED THROUGH ROOF ON OUTSIDE OF FAN CURB. CONDUIT SHALL BE LOCATED AT FAN HINGE SUCH THAT THE FAN HOOD CAN BE FULLY HINGED OPEN AND NOT TOUCH THE CONDUIT. PROVIDE 1/4" DIAMETER LOOP IN THE FLEXIBLE CONDUIT BETWEEN THE ROOF AND THE FAN ELECTRICAL CONNECTION.
- NOT USED.
- NOT USED.
- NOT USED.
- COORDINATE EXACT LOCATION OF CONDUIT AND DISCONNECT AT EXHAUST FAN. CONDUIT SHALL BE ROUTED THROUGH DUCTWORK, WITH-IN FAN ROOF CURB, AND TO THE FAN WIREWAY. PROVIDE SEALTIGHT FITTINGS AS THE CONDUIT ENTERS AND LEAVES THE DUCTWORK. INTERLOCK WITH LIGHTING CIRCUIT IN RESTROOM. REFER TO E21 FOR COORDINATION.
- NOT USED.
- CONNECT POWER FROM EACH CONDENSING UNITS COMPRESSOR CONTRACTOR TO THE EVAPORATOR COIL UNITS JUNCTION BOX BELOW. REFER TO E22 FOR LOCATION.
- CONVENIENCE RECEPTACLE PROVIDED PRE-INSTALLED IN HVAC UNIT. CONNECT TO 120 VOLT CIRCUIT AS REQUIRED AND/OR AS INDICATED.
- A/C UNIT DISCONNECT IS FURNISHED WITH A/C UNIT AND SHALL BE CONNECTED BY THE CONTRACTOR.
- EXHAUST FAN IS FURNISHED WITH A PREWIRED DISCONNECT.

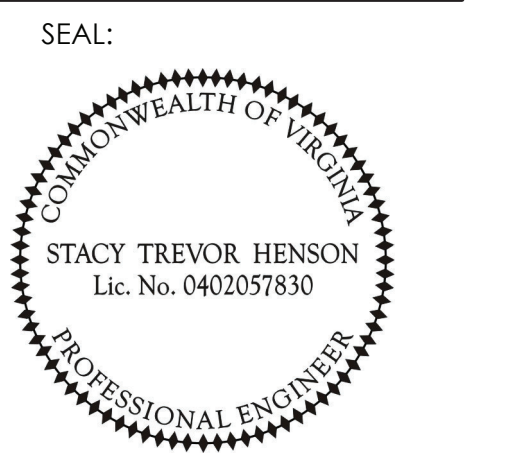




Chick-Fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

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CHICK-FIL-A
Parham Road
1529 N. Parham Road,
Richmond, VA 23229

FSR#02554

BUILDING TYPE / SIZE: SOB-E
DATE: 08/24/2022

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	01/25/2023	FEED SOW UPDATES
4	01/25/2023	FEED SOW UPDATES
10	07/07/2023	DESIGN NOTE UPDATES
12	08/03/2023	BID COMMENTS

CONSULTANT PROJECT # 2020.0750
DATE 08/24/22
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PANEL SCHEDULES

SHEET NUMBER

E3.1
MARIBR - 12/11/2023 2:02:26 PM

UPDATED: 2/3/2023 12:00 pm
ISSUED FOR: APPROVAL

(NEW) PANEL MDP

LOCATION: EXTERIOR SURFACE
VOLTAGE: 208Y/120V
TRIM: FLUSH

MAIN: 1200A MLO SYSTEM: 34, 4W BUS RATING: 1200A
FEED: TOP GROUND BUS: YES
CONN. LOAD: 592 KVA

CKT	LOAD SERVED	COND	PHASE	NEUT	W/O	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W/O	LOAD SERVED	CKT
1	PANEL "A"																PANEL "A"	2
3	PANEL "C"																PANEL "C"	4
5	PANEL "D"																PANEL "D"	6
7	TWS																TWS	8

INTERRUPT RATING: 65,000

19799-201212102805

FROM EXISTING UTILITY TRANSFORMER

SEE LOAD SUMMARY ON SHEET E3.2

UPDATED: 8/10/2023 11:35 pm
ISSUED FOR: APPROVAL

(NEW) PANEL D2

LOCATION: MULTI PURPOSE
VOLTAGE: 208Y/120V
TRIM: FLUSH

MAIN: 400A MLO SYSTEM: 34, 4W BUS RATING: 400A
FEED: TOP GROUND BUS: YES
CONN. LOAD: 174.6 KVA

CKT	LOAD SERVED	COND	PHASE	NEUT	W/O	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W/O	LOAD SERVED	CKT
SB 1	OPEN FRYER	1-1/4"	#3	#3	#3	#3	80/3	K	200								500V - VICTOR OVEN	2
3	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	4
5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	6
7	SHUNT TRIP SPACE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	500V - VICTOR OVEN	8
SB 9	OPEN FRYER	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10
11	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12
13	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	14
15	SHUNT TRIP SPACE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	CARBONATOR	16
SB 17	OPEN FRYER	1-1/4"	#3	#3	#3	#3	80/3	K	200								FUTURE EQUIPMENT	18
19	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	FUTURE EQUIPMENT	20
21	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	CU-1	22
23	SHUNT TRIP SPACE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	24
B 25	802- REHEMMAZER	1/2"	#10	#10	#10	#10	30/3	K	200								441- SHAD PREP TABLE	26
27	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	432- UC REFRIG	28
29	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	380- ICE MAKER	30
B 31	400- REACH IN FREEZER	1/2"	#12	#12	#12	#12	20/1	K	200								FUTURE EQUIPMENT	32
A 33	ICE MAKER	1/2"	#12	#12	#12	#12	20/1	K	200								DISH WASHER	34
B 35	VICTOR OVEN	1/2"	#10	#10	#10	#10	30/3	K	200								"	36
37	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	38
39	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	40
B 41	440CT- UC REFRIG	1/2"	#12	#12	#12	#12	20/1	K	200								"	42
B 43	420- UC REFRIG	1/2"	#12	#12	#12	#12	20/1	K	200								"	44
47	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	46
B 45	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	FUTURE EQUIPMENT	48
23	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	50
B 51	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	52
B 53	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	54
B 55	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	56
B 57	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	TMS	58
59	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	ICE CREAM MACHINE	60
61	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	62
63	SHUNT TRIP SPACE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	64
SB 65	OPEN FRYER	1-1/4"	#3	#3	#3	#3	80/3	K	200								"	66
67	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	68
69	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPACE	70
B 71	UC REFRIG	1/2"	#12	#12	#12	#12	20/1	K	200								"	72

INTERRUPT RATING: SERIES RATED PER MANUFACTURER'S LABEL 56933/56963/56965

FROM: (NEW) PANEL MDP

LOADS (N VA) CONNECTED DEMAND MINIMUM REMAINING CONTINUOUS LOADS 0 1.25 0
LIGHTING 0 1.25 0 NON-SEASONAL MOTORS 0 1.0 0
RECEPTS TO 10 KVA 720 1.0 720 LARGEST MOTOR 0 0.25 0 MISC. DEMAND LOADS 0 1.0 0
RECEPTS REMAINING 0 0.5 0 SPACE HEATING 0 0.0 0 WATER HEATING 0 1.0 0 TOTAL CONNECTED LOAD 174.6 KVA 485 AMPS
AIR CONDITIONING 5824 1.0 5824 KITCHEN EQUIP. 189039 0.65 109225 TOTAL DEMAND LOAD 115.8 KVA 321.6 AMPS
OVERALL DEMAND FACTOR 0.66

UPDATED: 7/10/2019 8:04 am
ISSUED FOR: APPROVAL

(NEW) PANEL POS

LOCATION: MULTI PURPOSE
VOLTAGE: 120/208V
TRIM: FLUSH

MAIN: 100A MLO SYSTEM: 14, 3W BUS RATING: 100A
FEED: TOP GROUND BUS: YES ISOLATED GROUND BUS
CONN. LOAD: 1.4 KVA

CKT	LOAD SERVED	COND	PHASE	NEUT	W/O	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W/O	LOAD SERVED	CKT
1	COUNTER POS STATION	1/2"	#12	#12	#12	#12	15/1	R	200								5 POS MONITORS	2
3	COUNTER POS STATION	1/2"	#12	#12	#12	#12	15/1	R	200								OFFICE RECEPTACLE	4
5	DT POS STATION	1/2"	#12	#12	#12	#12	15/1	R	200								SPARE	6
7	MDP POS STATION	1/2"	#12	#12	#12	#12	15/1	R	200								4 CL TABLE MONITORS	8
9	MDP MONITORS	1/2"	#12	#12	#12	#12	15/1	R	200								EP	10
11	MDP MONITORS	1/2"	#12	#12	#12	#12	15/1	R	200								MODERN	12
13	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPARE	14
15	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPARE	16
17	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPARE	18
19	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPARE	20
21	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	SPARE	22
23	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	BACKED MAIN BREAKER	24

INTERRUPT RATING: 10,000 AC

758 672

FROM: PANEL "A"

LOADS (N VA) CONNECTED DEMAND MINIMUM REMAINING CONTINUOUS LOADS 0 1.25 0
LIGHTING 0 1.25 0 NON-SEASONAL MOTORS 0 1.0 0
RECEPTS TO 10 KVA 1430 1.0 1430 LARGEST MOTOR 0 0.25 0 MISC. DEMAND LOADS 0 1.0 0
RECEPTS REMAINING 0 0.5 0 SPACE HEATING 0 0.0 0 WATER HEATING 0 1.0 0 TOTAL CONNECTED LOAD 1.4 KVA 6.9 AMPS
AIR CONDITIONING 0 1.0 0 KITCHEN EQUIP. 0 1.0 0 TOTAL DEMAND LOAD 1.4 KVA 6.9 AMPS
OVERALL DEMAND FACTOR 1.00

UPDATED: 8/10/2023 11:09 pm
ISSUED FOR: APPROVAL

(NEW) PANEL C

LOCATION: MULTI PURPOSE
VOLTAGE: 208Y/120V
TRIM: FLUSH

MAIN: 250A MLO SYSTEM: 34, 4W BUS RATING: 250A
FEED: TOP GROUND BUS: YES
CONN. LOAD: 90.1 KVA

CKT	LOAD SERVED	COND	PHASE	NEUT	W/O	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W/O	LOAD SERVED	CKT
D 1	KITCHEN LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								BUILDING SIGNAGE	2
D 3	KITCHEN LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								BUILDING SIGNAGE	4
D 5	RESTROOM LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								BUILDING SIGNAGE	6
D 7	DINING AREA LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								BUILDING SIGNAGE	8
9	SPARE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10
D 11	DINING AREA LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								FUT. EQUIPMENT	12
D 13	DINING AREA LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								SECURITY LIGHTS	14
D 15	SERVING AREA LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								(N) AC-4	16
A 17	MENU BOARDS	1/2"	#12	#12	#12	#12	20/1	L	200								"	18
G 19	DIRECTIONAL SIGNS	1/2"	#12	#12	#12	#12	20/1	L	200								EXTERIOR LYG	20
E 21	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								EXTERIOR LYG	22
E 23	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								GOODNESS	24
E 25	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								(N) AC-2	26
E 27	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								"	28
E 29	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								"	30
E 31	PARKING LOT LIGHTS	1/2"	#12	#12	#12	#12	20/1	L	200								ICE MAKER	32
33	MENU BOARDS	1/2"	#12	#12	#12	#12	20/1	L	200								"	34
35	FREEZER COOLER LYS																	

