

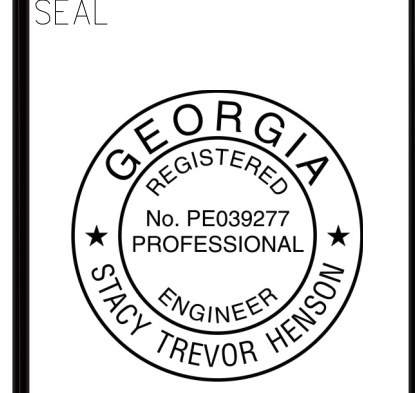


Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA SPRINGS, GA 30201
407.645.5008

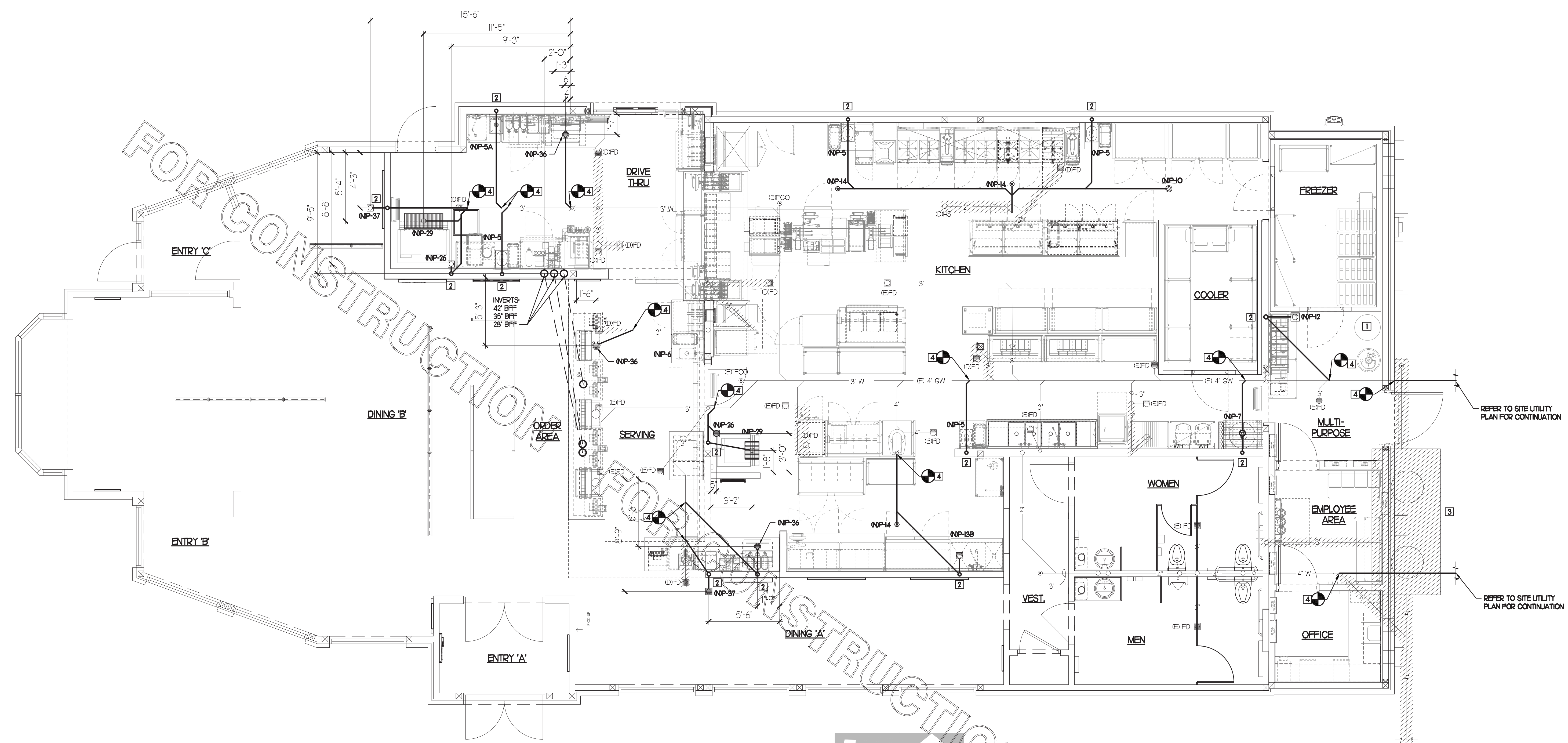
STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
BELOW SLAB
PLUMBING
PLAN

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By : DAK

Sheet
PI.1



PLUMBING KEY NOTES

- 1 EXISTING WATER HEATER TO BE REPLACED WITH NEW WATER HEATER.
- 2 PROVIDE NEW 2" VENT IN WALL. MAKE FINAL PLUMBING MODIFICATIONS.
- 3 EXISTING GREASE TRAP TO BE REMOVED.
- 4 CONNECT TO EXISTING WASTE LINE AS INDICATED, VERIFY FALL, FLOW DIRECTION AND CONNECTING INVERTS.

LEGEND

Ⓜ	EXISTING	▨	PIPING TO BE REMOVED
Ⓝ	NEW	●	POINT OF DISCONNECTION
Ⓡ	RELOCATED	⊕	POINT OF CONNECTION
Ⓢ	DEMOLISHED	⊗	KITCHEN EQUIPMENT TAG
FS	FLOOR SINK		
HS	HAND SINK		
FD	FLOOR DRAIN		
HD	HUB DRAIN		

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 SAFE-WASTE SYSTEM AS OUTLINED IN STATE AND LOCAL CODE AMENDMENTS.
- 3. ALL VENT PIPING TO BE 1/2" DIAMETER UNO. SEE I/P51 FOR VENT LAYOUT.

FIELD VERIFY ALL CONDITIONS

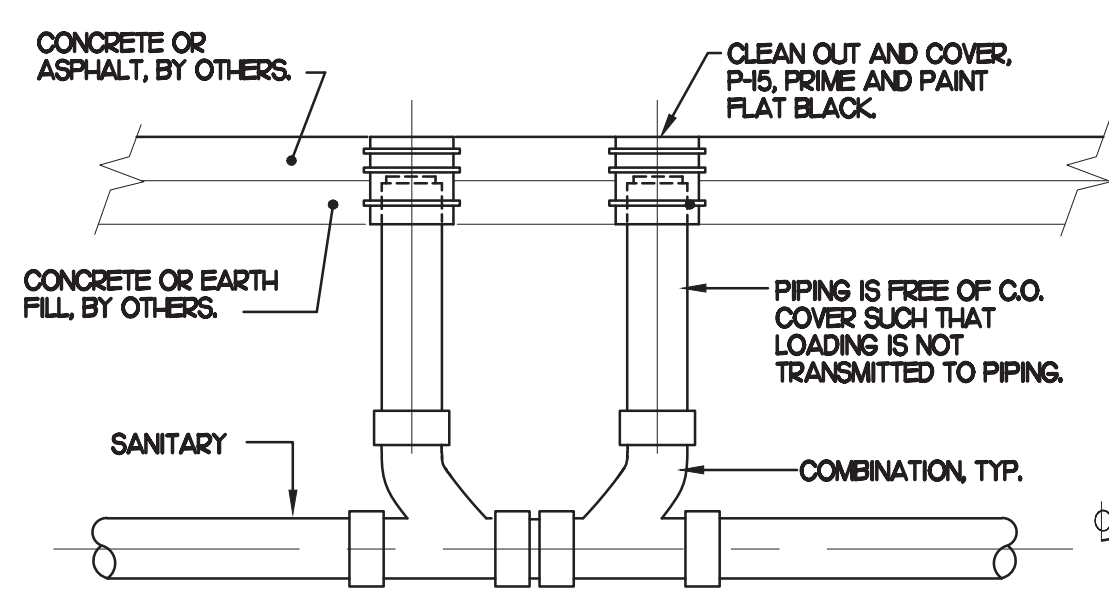
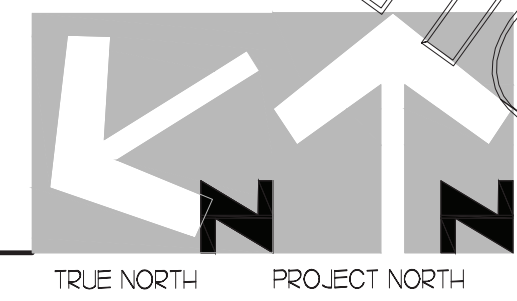
NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR 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.

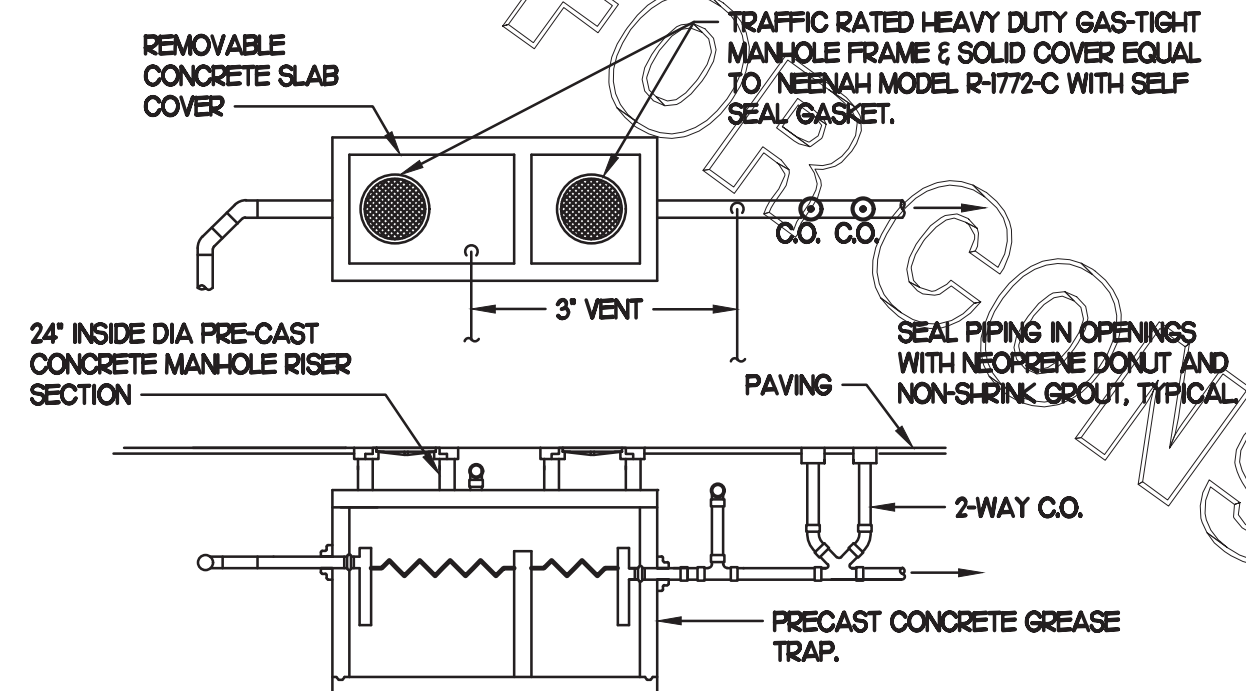
BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT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

1 BELOW SLAB PLUMBING PLAN

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

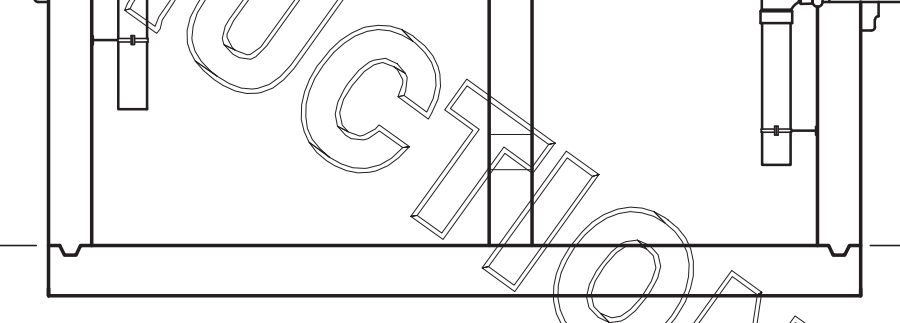
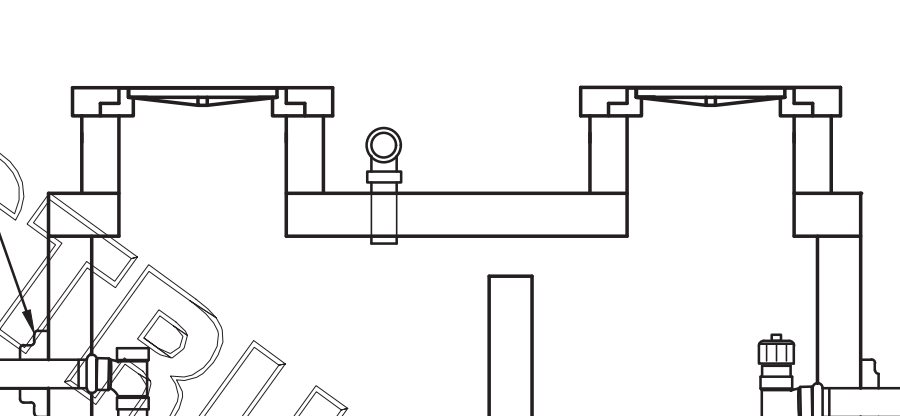
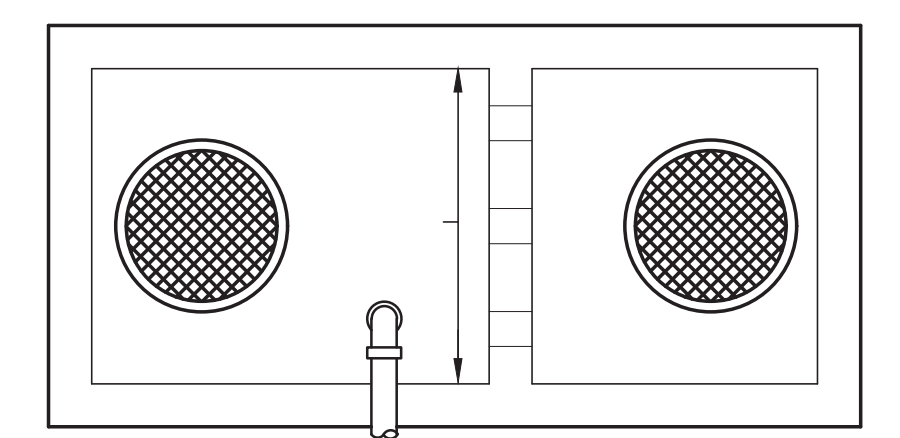


3 SAN. C.O. OUTSIDE BUILDING
NO SCALE



NOTES:
1. SET ON 0'-4" OF STRUCTURAL BACKFILL.
2. INTERIOR DIMENSIONS CHANGES ALLOWED TO ACCOMPLISH SIMILAR VOLUME TRAP CAPACITY SUBJECT TO APPROVAL BY STATE OR LOCAL AUTHORITY.
3. CONSTRUCTION MUST BE MONOLITHIC INCLUDING THE BAFFLE. TRAP MUST MEET 1/2"20 TRAFFIC LOADING REQUIREMENTS WHEN LOCATED IN A TRAFFIC AREA. SEE CIVIL PLANS FOR TRAP LOCATION.

4 GREASE INTERCEPTOR
NO SCALE



REFER TO SITE UTILITY PLAN FOR CONTINUATION

REFER TO SITE UTILITY PLAN FOR CONTINUATION

FOR CONSTRUCTION

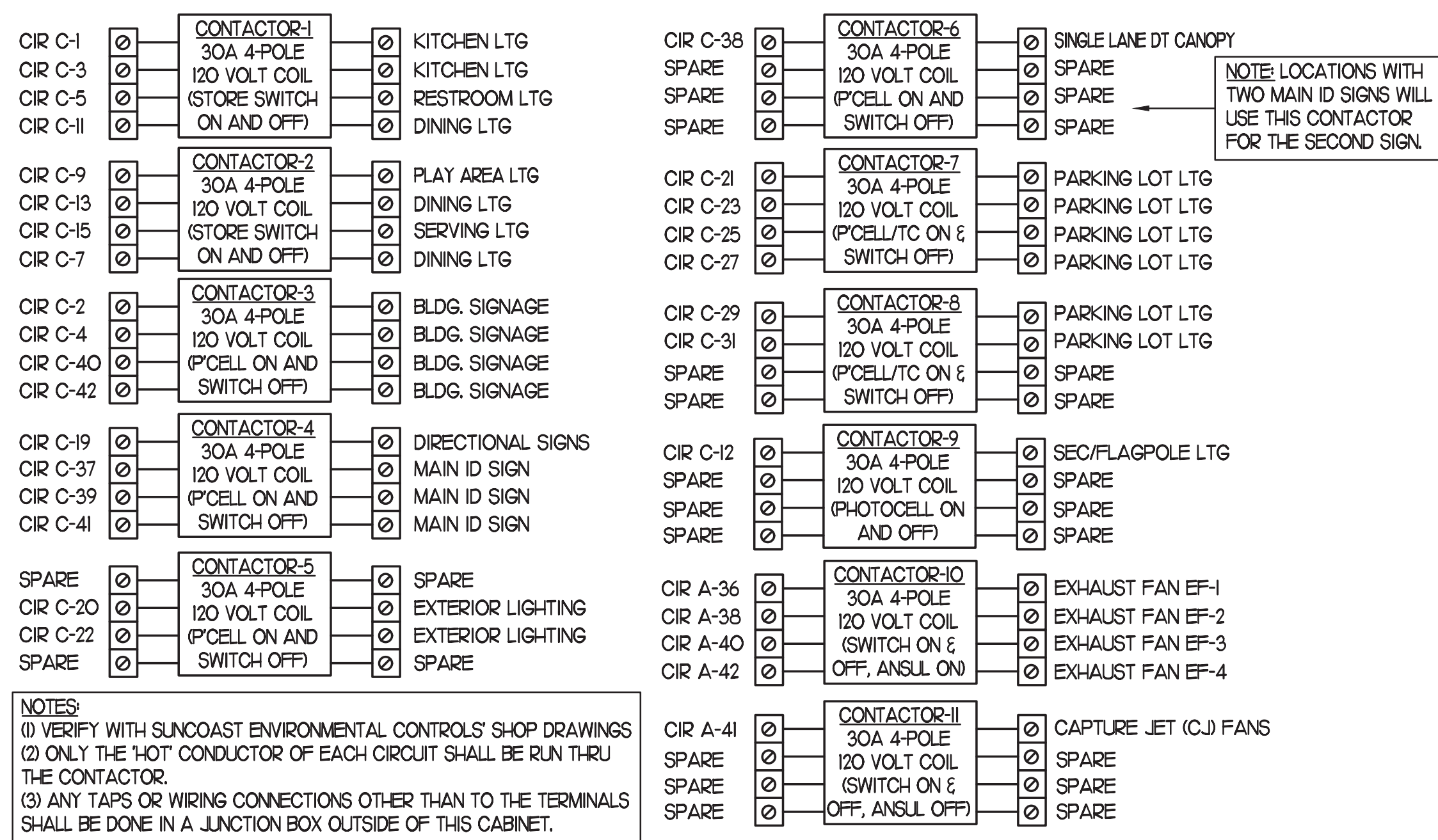
FOR CONSTRUCTION

FOR CONSTRUCTION

1 LIGHTING FIXTURE (LUMINAIRE) SCHEDULE - CHICK-FIL-A

MARK	MANUFACTURER	CATALOG NUMBER	NO. LAMPS/TYPE	STL LAMP NO.	WATTS	VOLTS	MOUNTING	REMARKS
A	LITHONIA	2GTL-472L-A12125V-EZ1-LP840	INTEGRAL WITH FIXTURE	-	52.3	120	RECESSED	2'X4' STATIC LED TROFFER RATED 7200 LUMENS, 4000K COLOR TEMP
AE	LITHONIA	2GTL-472L-A12125V-EZ1-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-MNOLT-BSNP	2-F017/835/XP/SS/ECO	22491	34	120	RECESSED	2'X2' STATIC TROFFER, SMOOTH SIDE OF PRISMATIC LENS DOWN.
A3	LITHONIA	2PMS3GB-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	2PMS3GB-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	2VT3-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 & CORDSET	1-FP28/835/ECO	20901	31	120	SURFACE	REFER TO SHEET E2.4, KEYNOTE #11, FOR ADDITIONAL INFORMATION.
D1	LITHONIA	REAL6CD6/MW/1000L/30K/95SC-LP6LN	FURNISHED	-	14.2	120	RECESSED	LED DOWNLIGHT WITH WHITE TRIM
D2	LITHONIA	REAL6CD6/82A/1000L/30K/95SC-LP6LN	FURNISHED	-	14.2	120	RECESSED	LED DOWNLIGHT WITH BRONZE TRIM - USED ONLY IN WOOD OR COLORED CLGS
D3	LITHONIA	LDN6-30/20-L06AR-LSS-MVOLT	FURNISHED	-	22.6	120	RECESSED	
D3E	LITHONIA	LDN6-30/20-L06AR-LSS-MVOLT-EL	FURNISHED	-	22.6	120	RECESSED	
D	LITHONIA	2RTL4-48L-EZ1-LP830/DGA24	LED	-	48	120	RECESSED	2'x4' VOLUMETRIC RECESSED LIGHTING SYSTEM WITH DRYWALL GRID ADAPTER TRIM
DE	LITHONIA	2RTL4-48L-EZ1-EL14-LP830/DGA24	LED	-	48	120	RECESSED	SAME AS 'D' WITH EMERGENCY BATTERY PACK. SEE PLAN NOTES ABOUT LAMP SWITCHING
F	MEYDA	18Q165	LED	-	8.5	120	SURFACE	EGG LIGHT ABOVE SERVING COUNTER
G	LITHONIA	C-132-AL-MVOLT-OS10IS	1-F028/835/XP/SS/ECO	22178	25	120	SURFACE	STRIP FLUORESCENT WITH LOW TEMP BALLAST, MOUNT WITHIN AWNING ON FRAME
G1	LITHONIA	C-232-AL-MVOLT-OS10IS-WG60N	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-C232-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
K4	JUNO / INDY	MS302-WH/HB-28/T5621/HB-28 142776	LED	PHILLIPS	28	120	RECESSED	WHITE HOUSING 2 LAMP MULT-SPOUT WITH LED RETROFIT LAMPS, AIM AS DIRECTED
K4	JUNO / INDY	MS302-BL/HB-28/T5621/MS570BL	2-12PAR30S/END/P22/27K	PHILLIPS	24	120	RECESSED	SAME AS K2 WITH BLACK HOUSING - USED ONLY IN WOOD OR COLORED CLGS
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 'M' 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 'ME' 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 SCONCE 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-EZ1-LP830	LED	-	48	120	RECESSED	2'X4' VOLUMETRIC RECESSED LIGHTING
RE	LITHONIA	2RTL4-48L-EZ1-EL14-LP830	LED	-	48	120	RECESSED	SAME AS R WITH EMERGENCY BATTERY PACK
S	LITHONIA	RTL2-33L-EZ1-LP830	LED	-	33	120	RECESSED	2'X2' VOLUMETRIC RECESSED LIGHTING
SE	LITHONIA	RTL2-33L-EZ1-EL14-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	N/A	-	120	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			120	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	LHOM-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	-	2	120	WALL	EXTERIOR WALL MOUNTED EMERGENCY LIGHTING UNIT, LOCATE NEAR EGRESS DOOR
OB	LUMUX	SL563SS-PL26-120	1-CFTR28W/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	DSXO-LED-40C-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.
* 06								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-TRMW-30K-90CRI	FURNISHED	-	11.2	120	RECESSED	4" OPEN CLEAR DIFFUSER DOWNLIGHT WITH 3000K, 93 CRI, 800LUMEN
OJ	SECURITY LTG	RWSC-72LLED-UD-DB-UNV-3K (DARK BRONZE)	FURNISHED	-	25	120	WALL	UP/DOWN DECORATIVE EXTERIOR WALL SCONCE, SEE ELEVATIONS FOR MOUNTING HEIGHT
OK	LITHONIA	TWA-50M-120-LPI	FURNISHED	-	12.9	120	WALL	CENTERLINE 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 OR 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.



2 ELECTRICAL LEGEND

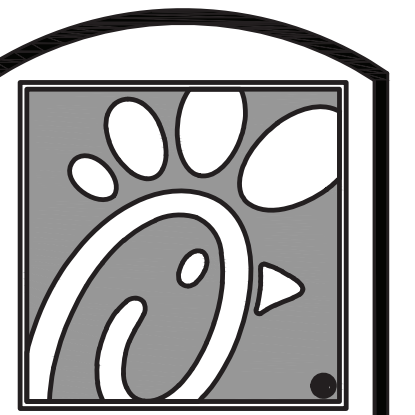
SYMBOL	DESCRIPTION	MTG HT AFF TO CL	SYMBOL	DESCRIPTION	MTG HT AFF TO CL
LIGHTING FIXTURES			MISCELLANEOUS SYMBOLS		
□	SURFACE MTD FLUORESCENT LIGHTING FIXTURE		⊕	GROUND	
⊞	RECESSED FLUORESCENT LIGHTING FIXTURE		Ⓜ	MOTOR	
○	SURFACE MTD FLUORESCENT OR HID LIGHTING FIXTURE		Ⓜ	EXHAUST FAN MOTOR	
○	RECESSED 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	101	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 LAMP HEADS, 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		Ⓜ	PUSH-BUTTON	
Ⓜ	FLUORESCENT STRIP LIGHTING FIXTURE		Ⓜ	BELL, TYPE AS NOTED ON PLANS	
Ⓜ	WALLWASHER STYLE RECESSED DOWNLIGHT, AIM LIGHT TOWARD WALL		Ⓜ	PHOTO-ELECTRIC CELL	
Ⓜ	RECESSED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK		ABBREVIATIONS		
Ⓜ	PENDANT LIGHTING FIXTURE	AS NOTED	AFF	ABOVE FINISHED FLOOR	
Ⓜ	LIGHTING TRACK WITH TRACK HEADS		AFG	ABOVE FINISHED GRADE	
WIRING DEVICES			AHU	AIR HANDLING UNIT	
Ⓜ	120 VOLT DUPLEX RECEPTACLE, 20 AMPS U.O.N.	18"	C	CONDUIT	
Ⓜ	120 VOLT DUPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS U.O.N.	44" U.O.N.	CL	CENTER-LINE	
Ⓜ	120 VOLT QUADRAPLEX RECEPTACLE, 20 AMPS U.O.N.	18" U.O.N.	EF	EXHAUST FAN	
Ⓜ	120 VOLT QUADRAPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS U.O.N.	44"	FLA	FULL LOAD AMPS	
Ⓜ	120 VOLT SIMPLEX RECEPTACLE, 20 AMPS U.O.N.	18" U.O.N.	GF/GFI	GROUND FAULT CIRCUIT INTERRUPTER	
Ⓜ	SINGLE SPECIAL PURPOSE RECEPTACLE WITH VOLTS, AMPS, AND PHASE AS NOTED, NEMA CONFIGURATION AS REQUIRED BY EQUIPMENT	18" U.O.N.	GND/GRD	GROUND	
Ⓜ	RECEPTACLE MOUNTED ON CORD DROP, 120 VOLT, 20 AMP, U.O.N., OUTLET BOX FLUSH WITH CEILING		HT	HEIGHT	
Ⓜ	SINGLE POLE TOGGLE SWITCH	48"	IG	ISOLATED GRD, PROVIDE ORANGE DEVICE WHEN ADJACENT TO WIRING DEVICE	
Ⓜ	DOUBLE POLE TOGGLE SWITCH	48"	MOCP	MAXIMUM OVER-CURRENT PROTECTION	
Ⓜ	THREE WAY TOGGLE SWITCH	48"	MJA	MAKE UP AIR UNIT	
Ⓜ	MANUAL MOTOR STARTER SWITCH (W/ NEMA 3R)	48"	NEC	LOCALLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70)	
Ⓜ	SWITCH WITH PILOT LIGHT (ON WHEN SWITCH IS ON)	48"	NL	NIGHT LIGHT (ON 24 HOURS)	
Ⓜ	KEY OPERATED SWITCH	48"	OC	ON CENTER	
Ⓜ	WALL OCCUPANCY SENSOR		POS	POINT OF SALE EQUIPMENT	
Ⓜ	MID RING ONLY		RTU	ROOF TOP UNIT	
			TL	TWIST-LOCK TYPE DEVICE	
			TR	TAMPER-RESISTANT	
			UON	UNLESS OTHERWISE NOTED	
			WP	WEATHERPROOF (NEMA 3R)	
TELEPHONE					
Ⓜ	TELEPHONE OUTLET	18" U.O.N.			
Ⓜ	TELEPHONE OUTLET AT SPECIAL MOUNTING HEIGHT	60" U.O.N.			
NOTE: EACH TELEPHONE OUTLET (FLOOR OR WALL MOUNTED) SHALL BE PROVIDED WITH A 3/4" EMPTY CONDUIT, WITH PULL WIRE, TO ACCESSIBLE CEILING SPACE.					
CONDUIT/RACEWAYS					
Ⓜ	CONDUIT CONCEALED ABOVE CEILING OR IN WALL				
Ⓜ	CIRCUIT HOMERUN TO PANELBOARD WITH MINIMUM 2#12, #12G, 3/4" C				
Ⓜ	CONDUIT TURNING UP				
Ⓜ	CONDUIT TURNING DOWN				
Ⓜ	CONDUIT CONCEALED IN OR BELOW SLAB (OUTSIDE - UNDERGROUND)				
Ⓜ	FLEXIBLE LIGHT FIXTURE WHIP, SIX FOOT MAXIMUM LENGTH				
Ⓜ	METAL CABLE ASSEMBLY - ONLY WHERE INDICATED ON DWGS OR SPECS				
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.					
MULTIPLE 1PH CIRCUITS MAY OCCUPY THE SAME CONDUIT IN ACCORDANCE WITH THE NEC, MAXIMUM OF THREE AND OF DIFFERENT PHASES.					
LOW VOLTAGE AND CONTROL WIRING SHALL BE IN SEPARATE CONDUIT FROM POWER WIRING.					
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/FUSE AMPS/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 (AMPS/POLES/ENCLOSURE) NEMA 1 ENCLOSURE IF NOT NOTED, WP 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 507.1J OF FBCM INTERLOCKED WITH THE EXISTING SUNCOAST CONTROL PANEL.

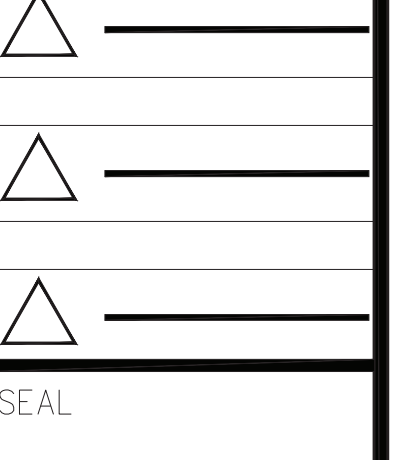
3 SIGNAGE COORDINATION NOTE

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.



Chick-fil-A
 5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:
 Mark Date By
 4 11.16.21 MI
 STRONG SYSTEM
 REQUIREMENT UPDATES



INTERPLAN
 INTERPLAN LLC
 40011595
 CA 94640
 ARCHITECTURE
 ENGINEERING
 PERMITTING
 220 E. CENTRAL PKWY, STE 4000
 ALPHARETTA, GA 30201
 407.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU
 3070 Eagle Drive
 Woodstock, GA
 30189-05531

SHEET TITLE
 SCHEDULES
 AND DETAILS

VERSION:
 ISSUE DATE:

Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : MI
 Checked By : SN

Sheet

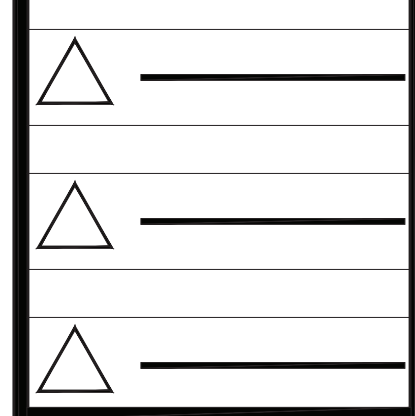
E.I.



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
8 03.10.22 MI
KITCHEN UPDATES



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8640
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
ORDER CANOPY
POWER AND LGT

VERSION:
ISSUE DATE:

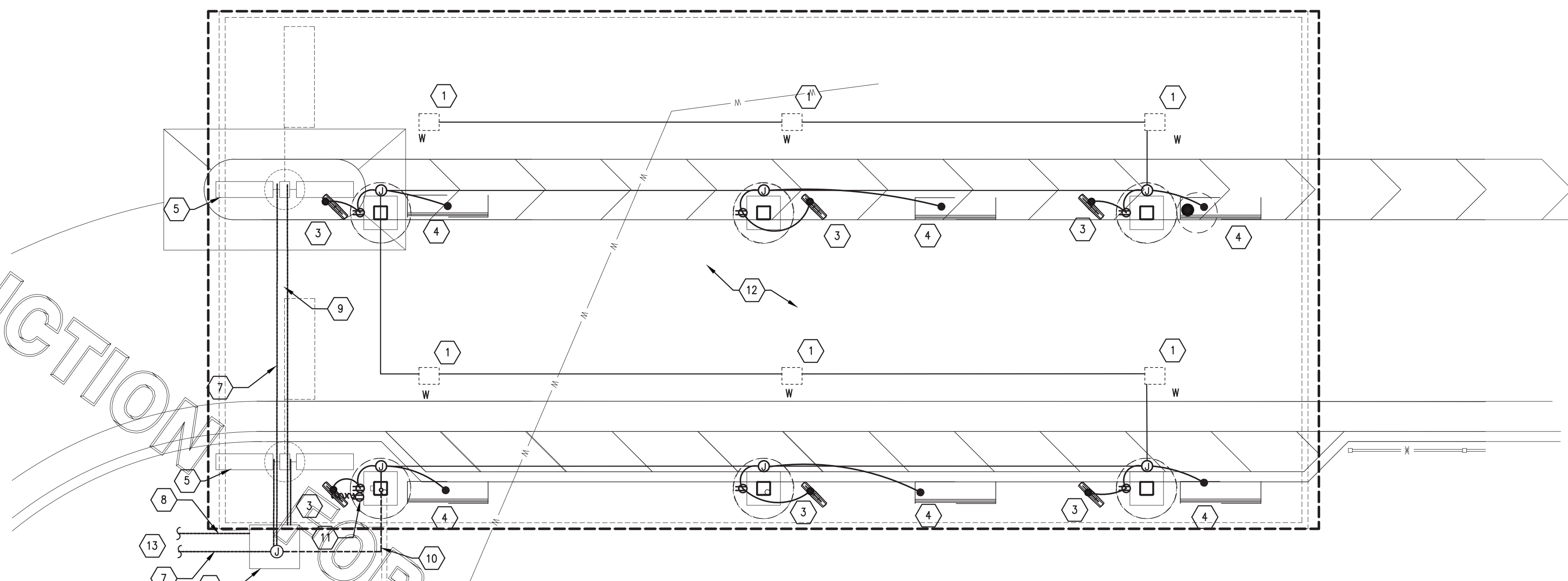
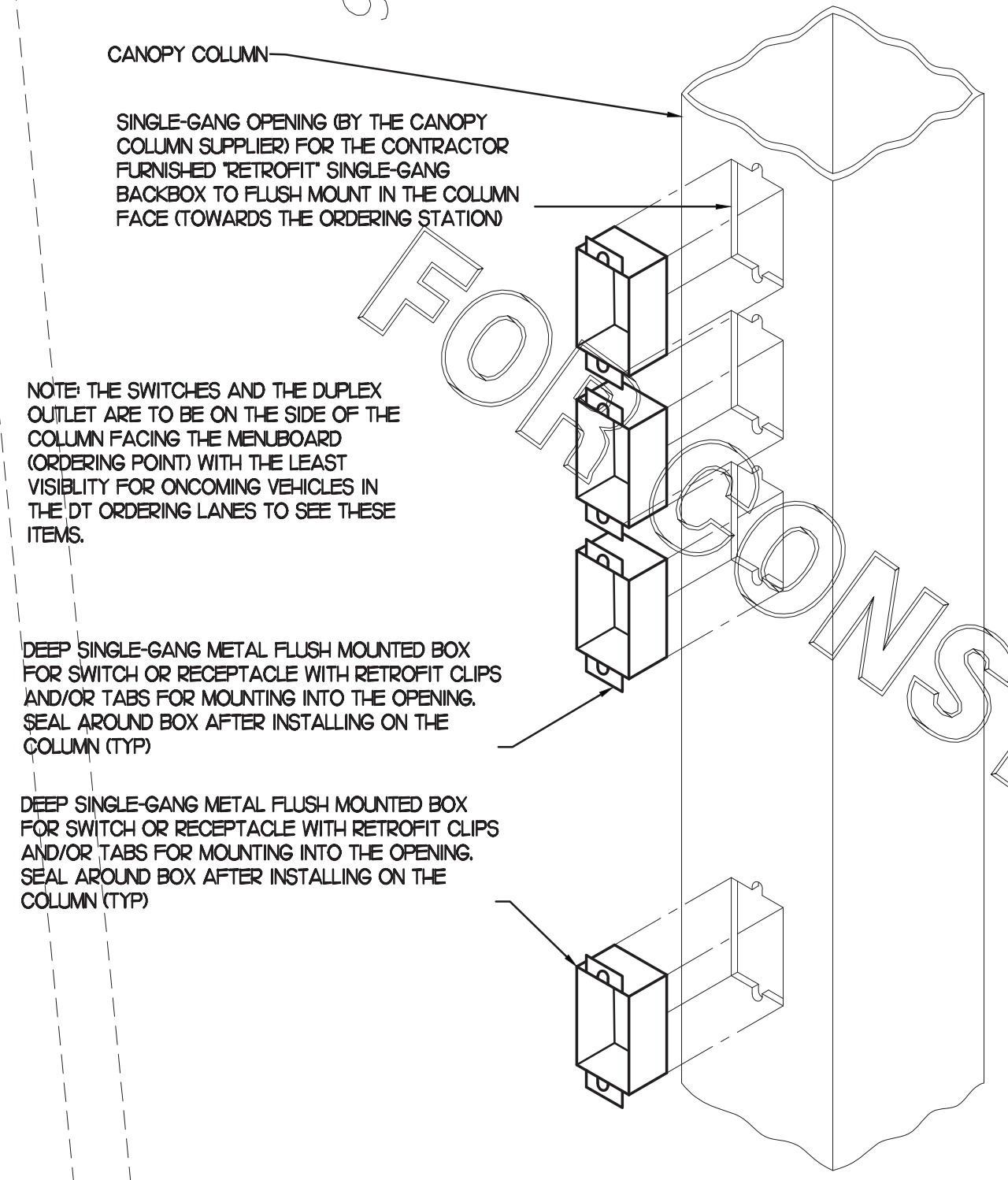
Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

Sheet

E.I.A

LIGHTING FIXTURE (LUMINAIRE) SCHEDULE - CHICK-FIL-A									
MARK	MANUFACTURER	CATALOG NUMBER	NO. LAMPS/TYPE	SYL. LAMP NO.	WATTS	VOLTS	MOUNTING	REMARKS	
W	CANOPY DECK LIGHTS	LSI CRUS-SC-LED-LW-30-CW-UE-WHT	LED	-	74	120			

NOTES:
1. LUMINAIRES UTILIZING DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE PER NEC 410.130(G).



LEGEND

-----	UNDERGROUND
—————	ABOVE GROUND

KEYED NOTES

- CEILING LIGHT PROVIDED BY CANOPY SUPPLIER AND INSTALLED BY EC.
- NOT USED.
- AIR CIRCULATING FAN (WITH INTEGRAL ON-OFF SWITCH) PROVIDED BY OTHERS. PROVIDE A GFCI DUPLEX OUTLET (WITH IN-USE WP COVER PLATE) FLUSH MTD. IN CUT-OUT FOR FAN'S PLUS 2 COORD. LOCATE CUT-OUT AT TOP OF COLUMN ON DOWNSTREAM SIDE.
- INFRARED GAS HEATER WITH INTEGRAL ON-OFF SWITCH PROVIDED BY OTHERS.
- MENUBOARD PROVIDED BY OTHERS.
- PROVIDE IN-GROUND QUASITE PULLBOX FOR M.O.P DATA CABLES WITH POWER NEMA 3R JUNCTION BOX MOUNTED INSIDE THE PULLBOX.
- 2" UNDERGROUND SCH40 PVC CONDUIT WITH POWER CONDUCTORS, SEE WIRING SCHEMATIC.
- 2" UNDERGROUND SCH40 PVC CONDUIT FOR OWNER'S AUDIO SYSTEM / DETECTOR LOOP CABLES.
- 1" EMPTY UNDERGROUND SCH40 PVC CONDUIT FOR OWNER'S AUDIO SYSTEM / DETECTOR LOOP CABLES.
- INSTALL UNDERGROUND 3" SCH40 PVC CONDUIT UP INTO THE CANOPY COLUMN WITH TYPE MC CABLE (GALVANIZED STEEL WITH PVC JACKET) RUN WITHIN FOR THE 120V POWER FOR LIGHTS, 120 VOLT POWER FOR FANS, AND 24 VOLT POWER FOR THE INFRARED GAS HEATERS.
- PROVIDE ONE DUPLEX GFCI (WITH IN-USE WP COVER PLATE) AND THREE 120V SINGLE-POLE SWITCHES (EACH WITH HUBBELL HRW51550 WP COVER PLATE) MOUNTED ON THE COLUMN IN FLUSH MOUNTED METAL SINGLE GANG BOXES FOR LOCAL ON-OFF CONTROL OF THE FAN, HEATERS, AND CANOPY LIGHTS. SEE WIRING SCHEMATIC DETAIL H1 ON E1.3 AND CANOPY COLUMN DETAIL ON THIS SHEET FOR FURTHER INFORMATION. ALL SURFACE MOUNTED ITEMS AND COVER PLATE TO BE FIELD PAINTED MATTIE BLACK. INSTALL BLANK COVERPLATE WHEN HEATERS ARE NOT INSTALLED AND THE THIRD SWITCH IS NOT REQUIRED.
- ALL CONDUIT AND BOXES SHALL BE CONCEALED FROM NORMAL VIEW; UNDERGROUND, IN COLUMNS, OR ABOVE THE CANOPY (ON THE ROOF); MC CABLE (GALVANIZED STEEL WITH PVC JACKET) TO BE USED INSIDE THE COLUMNS, BUT MUST CONVERT BACK TO IMC ABOVE THE ROOF. ALL EXPOSED ELECTRICAL BOXES TO BE NEMA 3R CAST-METAL.
- PROVIDE ONE (1) #8CU EQUIPMENT GROUND TO BE BONDED TO CANOPY STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS.

FIELD VERIFY ALL CONDITIONS

NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, 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.

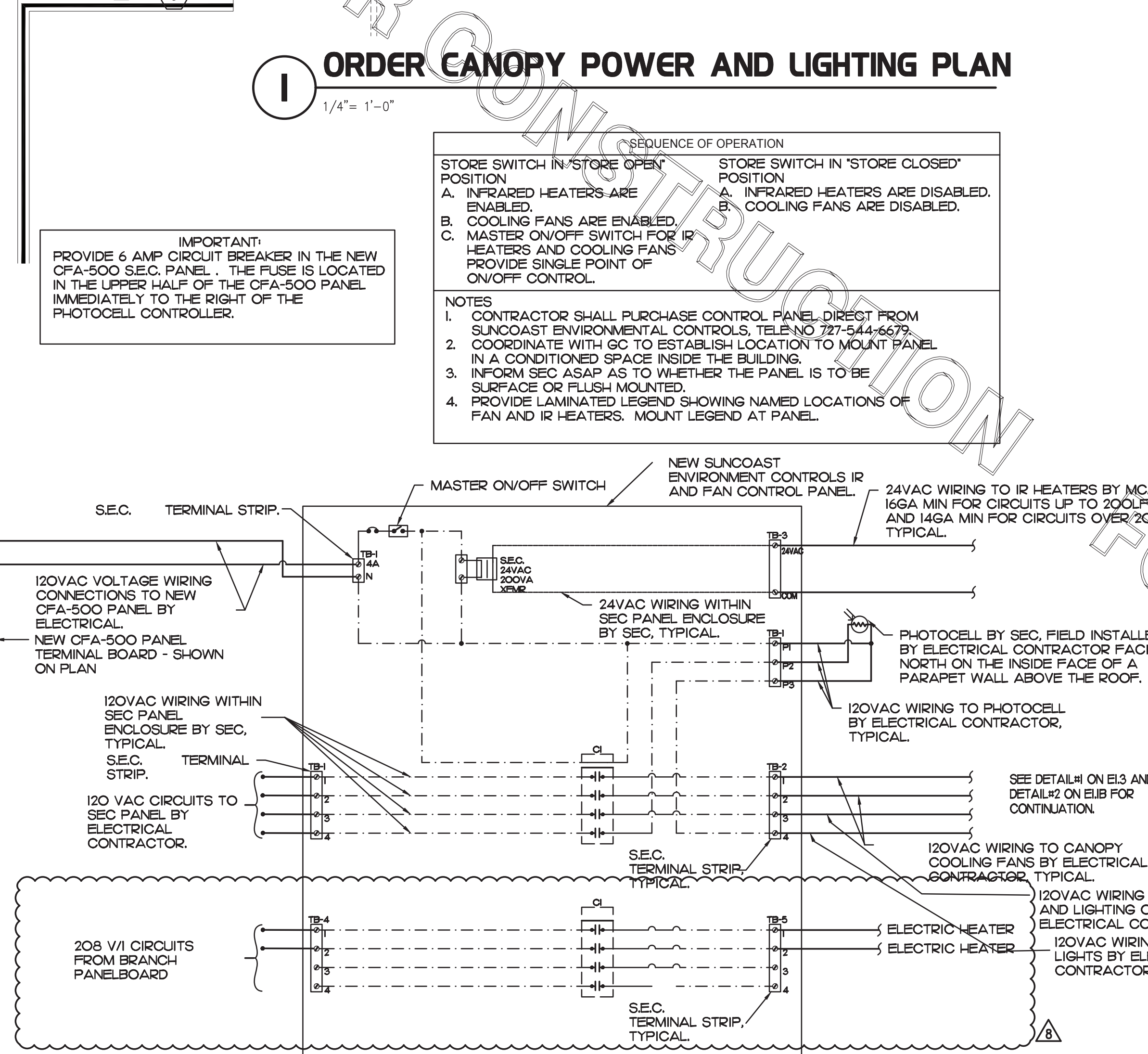
THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.

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.

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.

MULTIPLE IPH CIRCUITS MAY OCCUPY THE SAME CONDUIT IN ACCORDANCE WITH THE NEC. MAXIMUM OF THREE AND OF DIFFERENT PHASES.

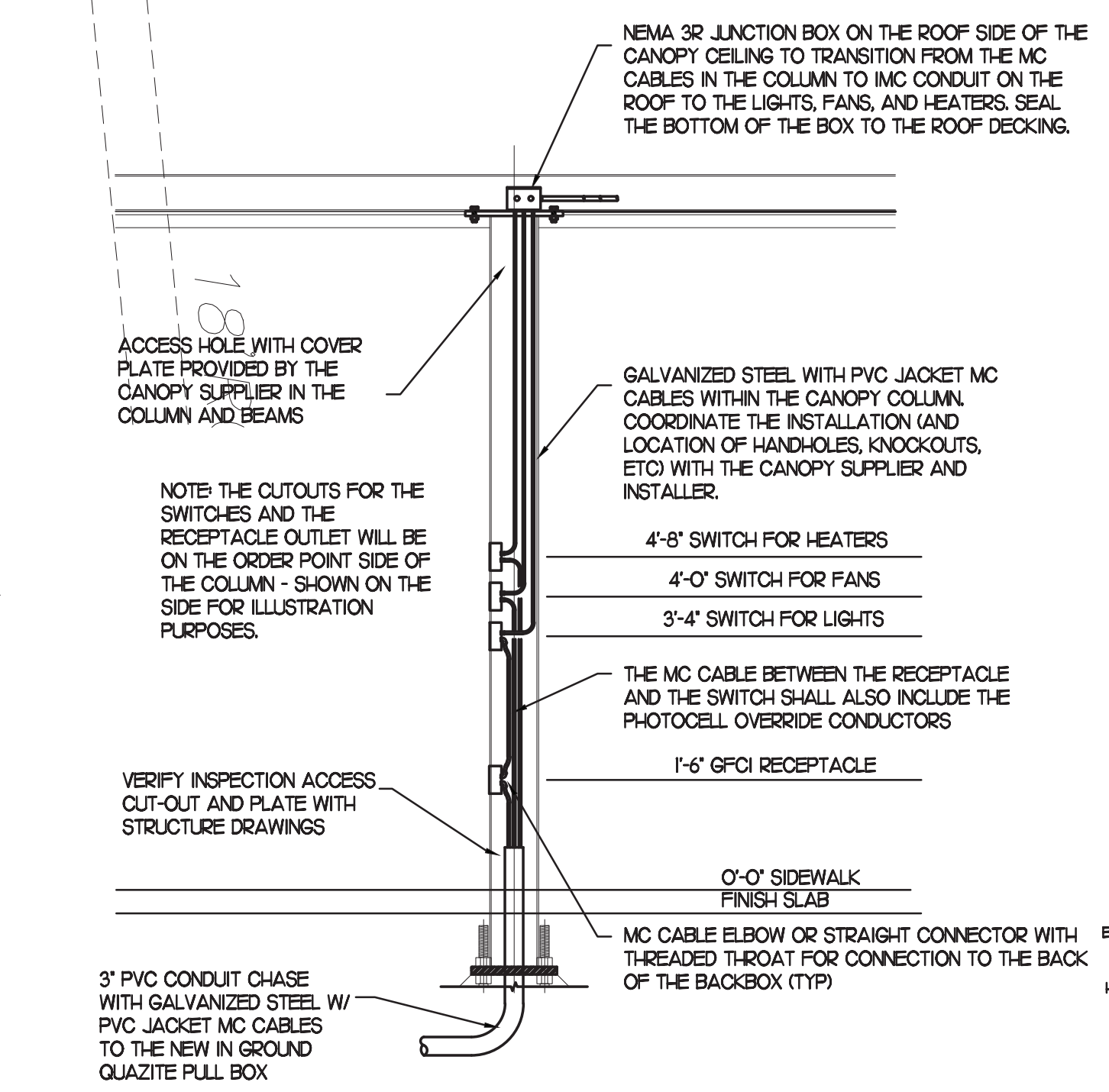
LOW VOLTAGE AND CONTROL WIRING SHALL BE IN SEPARATE CONDUIT FROM POWER WIRING.



LEGEND

SEC	SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANELS)
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
---	LOW VOLTAGE BY MECHANICAL CONTRACTOR
---	18 GA. MIN LOW VOLTAGE WIRING BY SUNCOAST
---	HIGH VOLTAGE BY ELECTRICAL CONTRACTOR
---	HIGH VOLTAGE BY SUNCOAST

4 CANOPY COLUMN ISOMETRIC
NOT TO SCALE



3 SECTION - ORDER CANOPY COLUMN
NOT TO SCALE

NOTE THE SWITCHES AND THE DUPLEX OUTLET ARE TO BE ON THE SIDE OF THE COLUMN FACING THE MENUBOARD (ORDERING POINT) WITH THE LEAST VISIBILITY FOR ONCOMING VEHICLES IN THE OT ORDERING LANES TO SEE THESE ITEMS.

DEEP SINGLE-GANG METAL FLUSH MOUNTED BOX FOR SWITCH OR RECEPTACLE WITH RETROFIT CLIPS AND/OR TABS FOR MOUNTING INTO THE OPENING. SEAL AROUND BOX AFTER INSTALLING ON THE COLUMN (TYP)

DEEP SINGLE-GANG METAL FLUSH MOUNTED BOX FOR SWITCH OR RECEPTACLE WITH RETROFIT CLIPS AND/OR TABS FOR MOUNTING INTO THE OPENING. SEAL AROUND BOX AFTER INSTALLING ON THE COLUMN (TYP)

NEMA 3R JUNCTION BOX ON THE ROOF SIDE OF THE CANOPY CEILING TO TRANSITION FROM THE MC CABLES IN THE COLUMN TO IMC CONDUIT ON THE ROOF TO THE LIGHTS, FANS, AND HEATERS. SEAL THE BOTTOM OF THE BOX TO THE ROOF DECKING.

ACCESS HOLE WITH COVER PLATE PROVIDED BY THE CANOPY SUPPLIER IN THE COLUMN AND BEAMS

NOTE THE CUTOUTS FOR THE SWITCHES AND THE RECEPTACLE OUTLET WILL BE ON THE ORDER POINT SIDE OF THE COLUMN - SHOWN ON THE SIDE FOR ILLUSTRATION PURPOSES.

VERIFY INSPECTION ACCESS CUT-OUT AND PLATE WITH STRUCTURE DRAWINGS

3" PVC CONDUIT CHASE WITH GALVANIZED STEEL W/ PVC JACKET MC CABLES TO THE NEW IN GROUND QUASITE PULL BOX

4'-8" SWITCH FOR HEATERS
4'-0" SWITCH FOR FANS
3'-4" SWITCH FOR LIGHTS

THE MC CABLE BETWEEN THE RECEPTACLE AND THE SWITCH SHALL ALSO INCLUDE THE PHOTOCELL OVERRIDE CONDUCTORS

1'-6" GFCI RECEPTACLE

0'-0" SIDEWALK FINISH SLAB

MC CABLE ELBOW OR STRAIGHT CONNECTOR WITH THREADED THROAT FOR CONNECTION TO THE BACK OF THE BACKBOX (TYP)

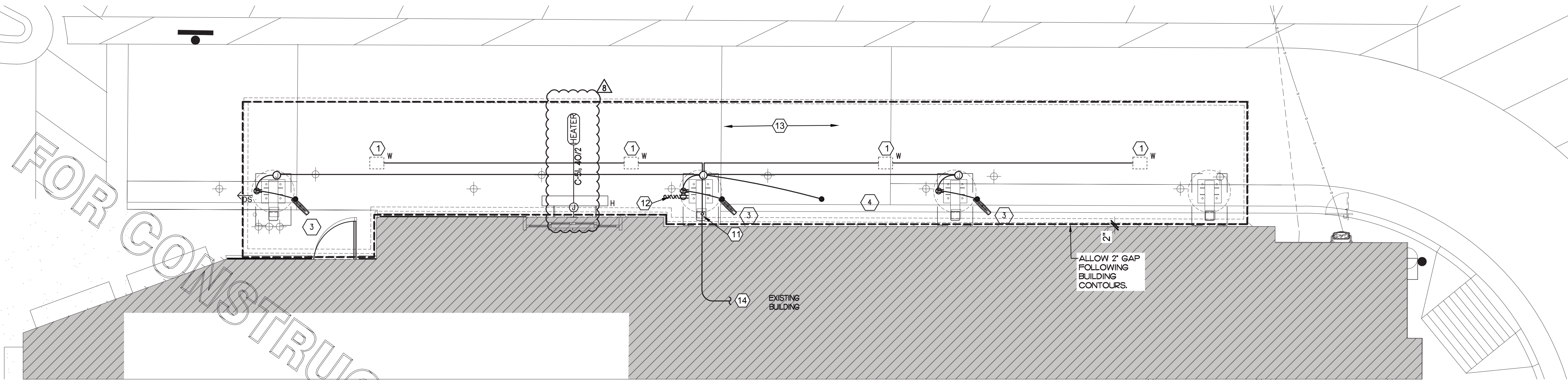
LABELING: PROVIDE ENGRAVED LABEL AT SWITCHES WITH 1/2" HIGH WHITE LETTERS ON BLACK BACKGROUND IDENTIFYING UNIT SERVED.

SUNCOAST RELAYS CONTACTORS SHOWN IN DE-ENERGIZED "STORE UNOCCUPIED" CONDITION. RELAYS AND CONTACTORS FACTORY INSTALLED BY SEC. IN SUNCOAST PANEL. RELAYS AND CONTACTORS ENERGIZED VIA "STORE OPEN/CLOSED" SWITCH. SEE WIRING DIAGRAM IN NEW CFA-500 SUNCOAST PANEL. FIELD VERIFY LOCATION FOR REFERENCE.

2 SUNCOAST PANEL WIRING DIAGRAM DBL LANE ORDER POINT-INFRARED HEATERS, COOLING FANS
1/4" = 1'-0"

DO NOT BLOCK

FOR CONSTRUCTION

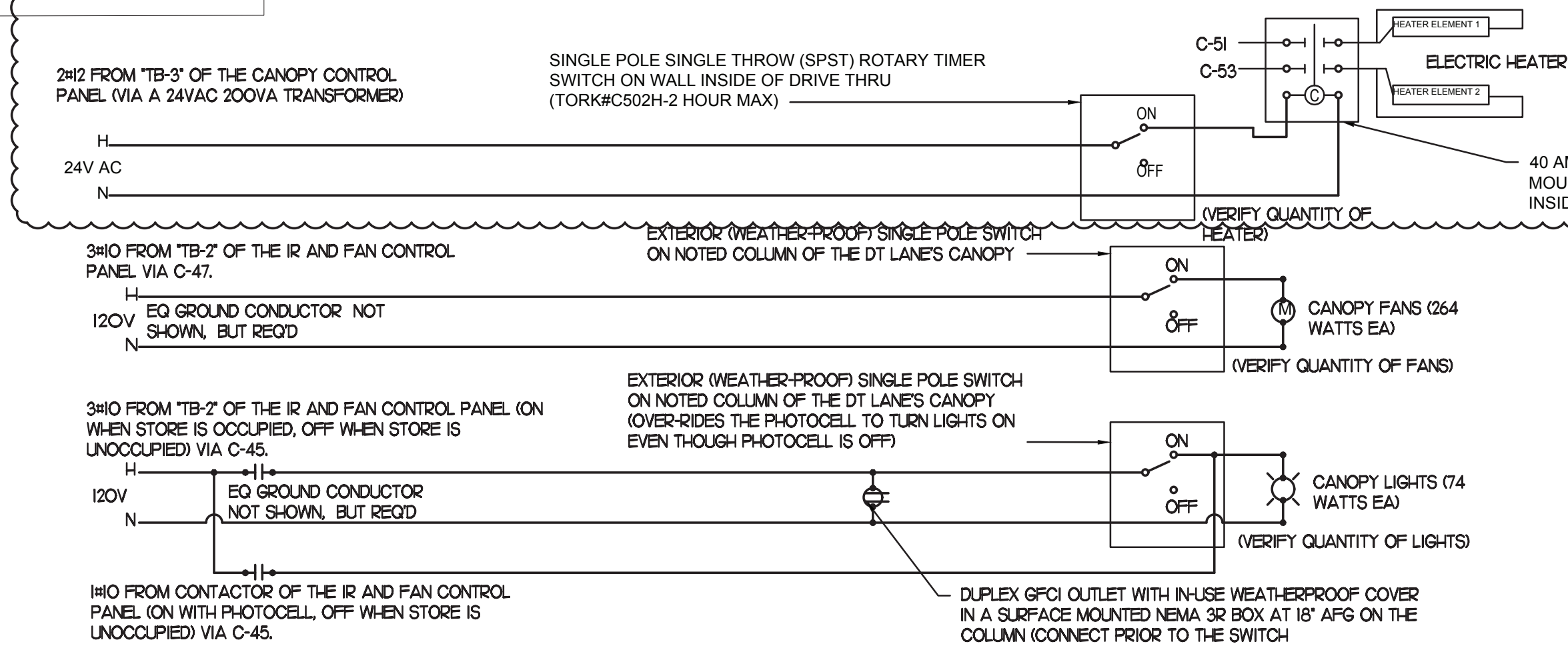
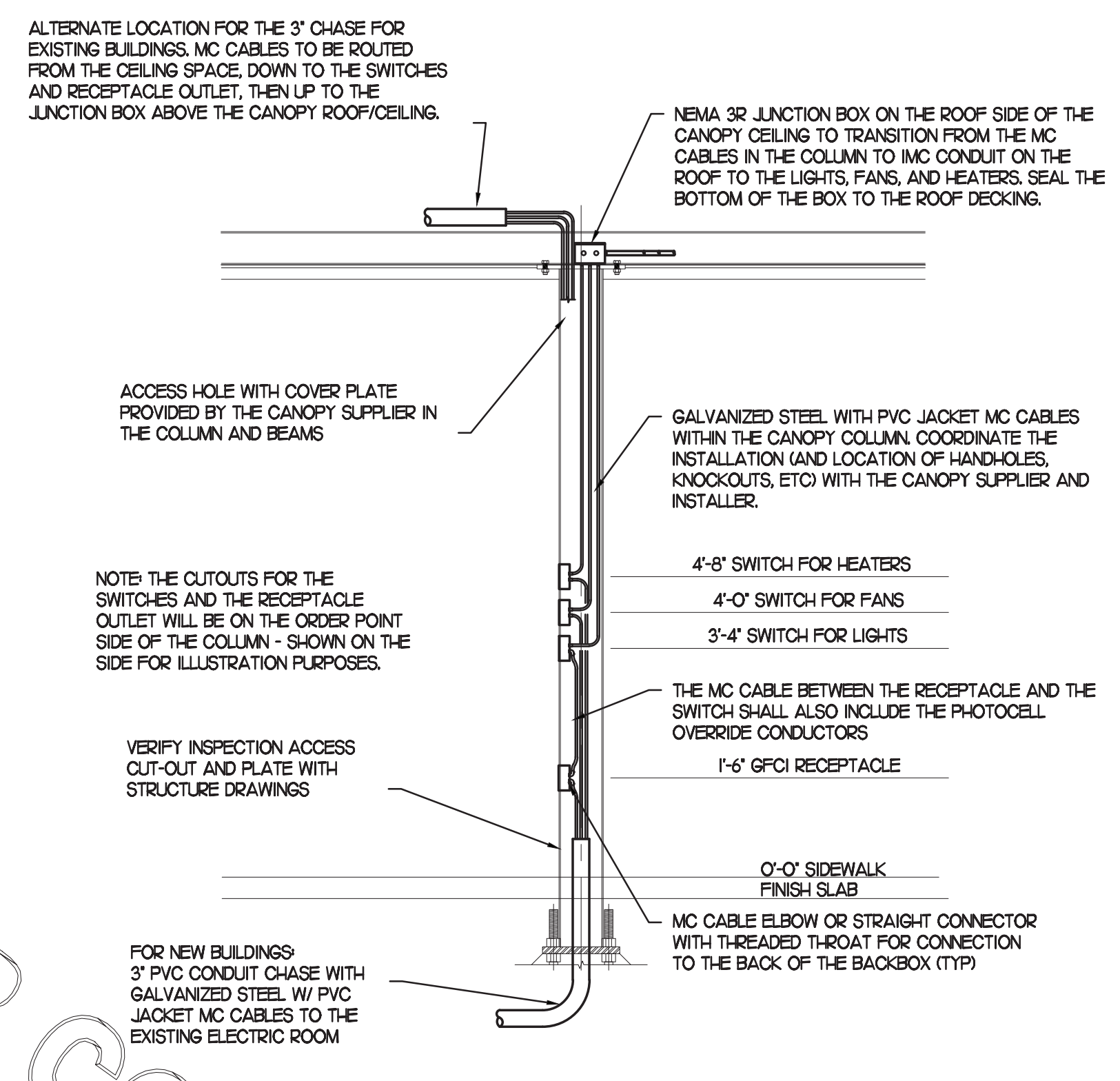
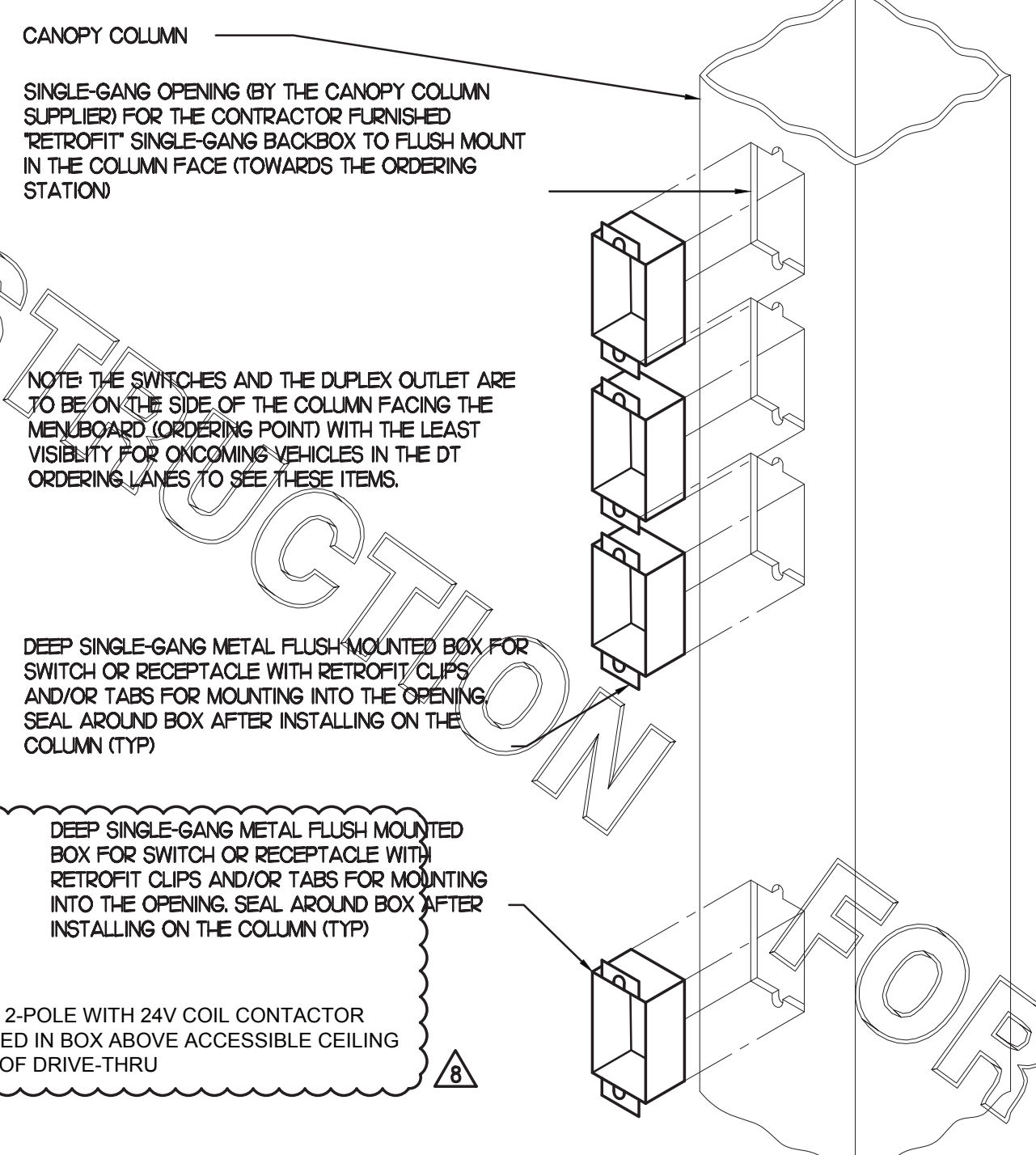


- ELECTRICAL KEYNOTES (EXISTING BUILDING):**
- ① CEILING LIGHT PROVIDED BY CANOPY SUPPLIER AND INSTALLED BY E.C. REFER TO LIGHTING FIXTURE SCHEDULE ON EIA FOR MORE INFORMATION
 - ② NOT USED.
 - ③ AIR CIRCULATING FAN (WITH INTEGRAL ON-OFF SWITCH) PROVIDED BY OTHERS. FANS TO BE HARDWIRED IN APPROPRIATE CONDUIT ABOVE CANOPY
 - ④ INFRARED ELECTRICAL HEATER WITH INTEGRAL ON-OFF SWITCH PROVIDED BY OTHERS.
 - ⑤ THRU ⑩ NOT USED.
 - ⑪ AT EXISTING BUILDINGS STUB A 3" CHASE THRU THE EXTERIOR WALL FROM THE CEILING SPACE ABOVE THE KITCHEN TO ABOVE THE CANOPY'S COLUMN FOR THE MC CABLE POWER CIRCUITS TO GO THRU THE COLUMN MOUNTED SWITCHES AND OUTLET.
 - ⑫ PROVIDE ONE DUPLEX GFCI (WITH IN-USE WP COVER PLATE) AND TWO 120V SINGLE-POLE SWITCHES (EACH WITH HUBBELL #RW51550 WP COVER PLATE) AND ONE DUPLEX SINGLE-POLE SWITCH (WITH HUBBELL #RW51470 WP COVER PLATE) MOUNTED ON THE COLUMN IN FLUSH MOUNTED METAL SINGLE GANG BOXES FOR LOCAL ON-OFF CONTROL OF THE FAN, HEATERS, AND CANOPY LIGHTS. SEE WIRING SCHEMATIC AND CANOPY COLUMN DETAILS FOR FURTHER INFORMATION. ALL SURFACE MOUNTED ITEMS AND COVER PLATES TO BE FIELD PAINTED MATTE BLACK. INSTALL BLANK COVERPLATE WHEN HEATERS ARE NOT INSTALLED AND THE THIRD SWITCH IS NOT REQUIRED.
 - ⑬ ALL CONDUIT AND BOXES SHALL BE CONCEALED FROM NORMAL VIEW, UNDERGROUND, IN COLUMNS, OR ABOVE THE CANOPY (ON THE ROOF). MC CABLE (GALVANIZED STEEL WITH PVC JACKET) TO BE USED INSIDE THE COLUMNS, BUT MUST CONVERT BACK TO IMC ABOVE THE ROOF. ALL EXPOSED ELECTRICAL BOXES TO BE NEMA 3R CAST-METAL.
 - ⑭ PROVIDE ONE (1) #8 CU EQUIPMENT GROUND TO BE BONDED TO CANOPY STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS

ORDER MEAL DELIVERY (OMD) CANOPY POWER PLAN

② ELECTRIC INFRARED HEATER SCHEDULE - CHICK-FIL-A

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTS	AMPS	MOUNTING	REMARKS
H	BROMIC	BHD420033	208V	6000	25	CANOPY	

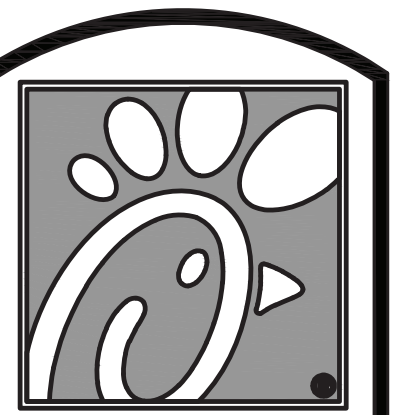


④ CANOPY COLUMN ISOMETRIC
NOT TO SCALE

③ SECTION - CANOPY COLUMN
NOT TO SCALE

② MEAL DELIVERY CANOPY POWER WIRING SCHEMATIC
NO SCALE

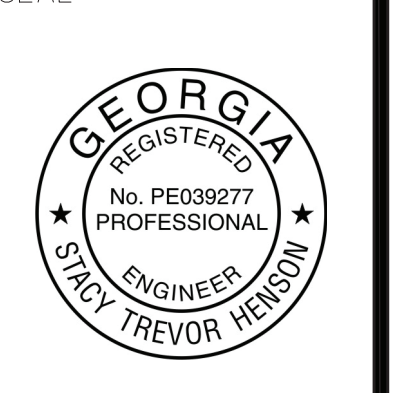
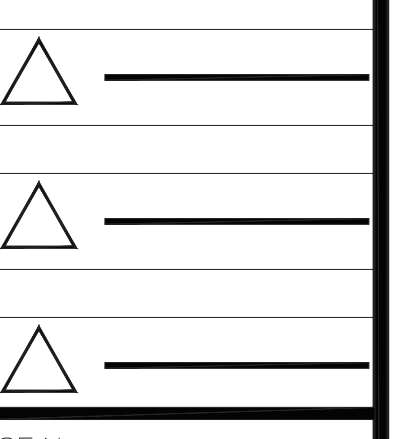
REFER TO DETAIL #2 ON EIA FOR CONTINUATION OF C/KTS NOTED TO CONNECT TO THE IR & FAN CONTROL PANEL



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
8 03.10.22 MI
KITCHEN UPDATES



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
OMD CANOPY
POWER PLAN

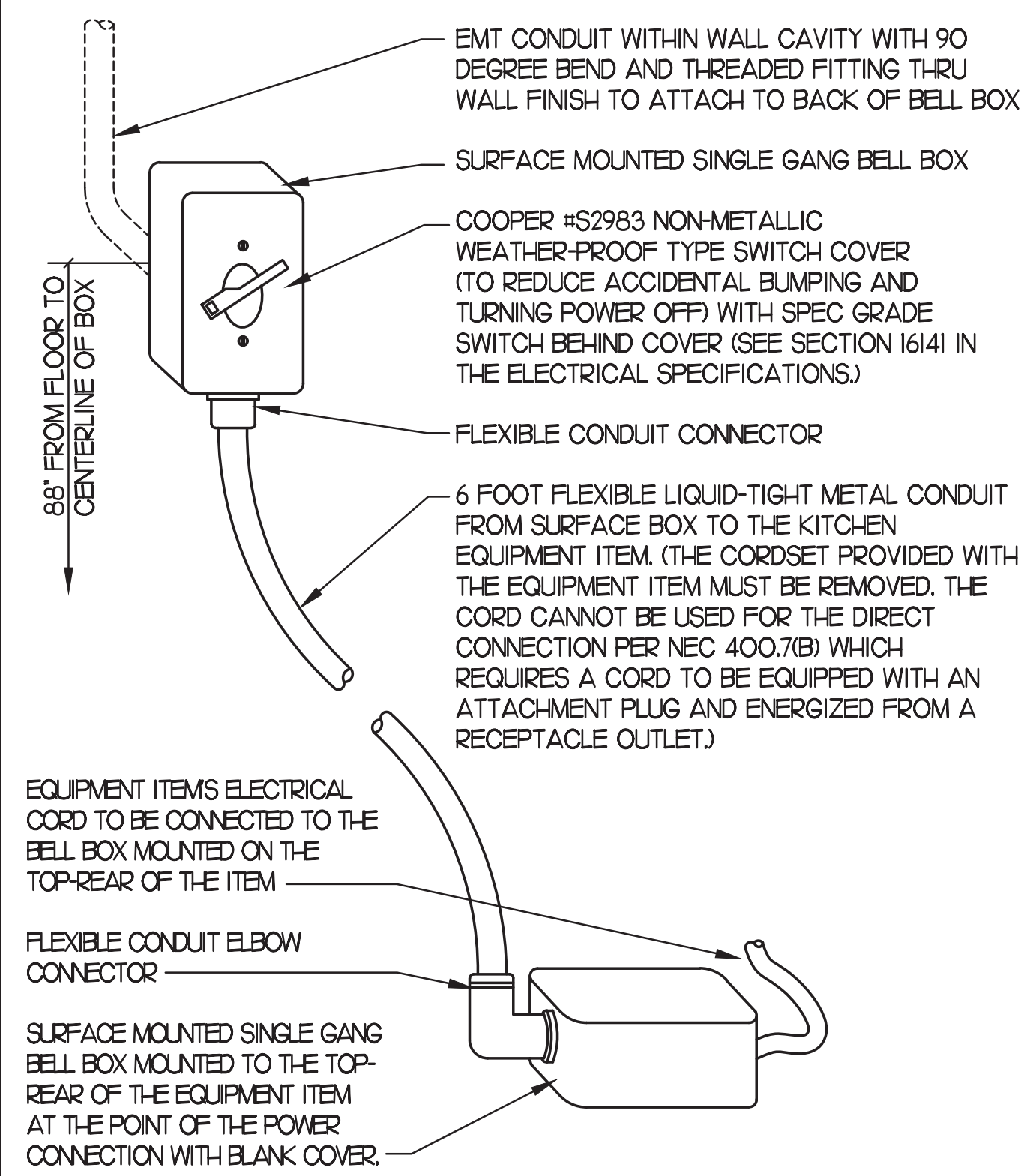
VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

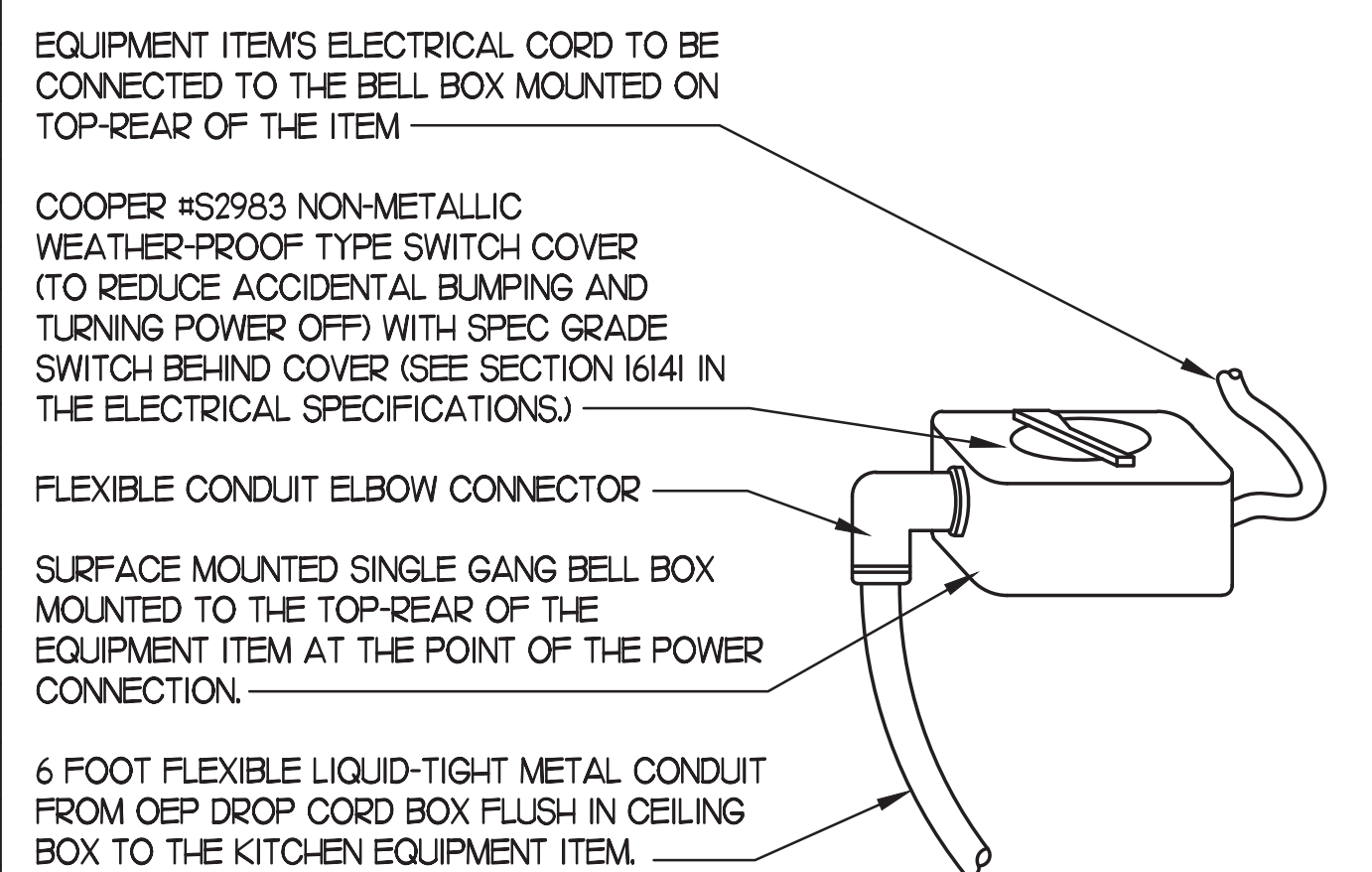
Sheet
E.I.B

KITCHEN EQUIPMENT SCHEDULE - CHICK-FIL-A 508-V8.2 EDITION

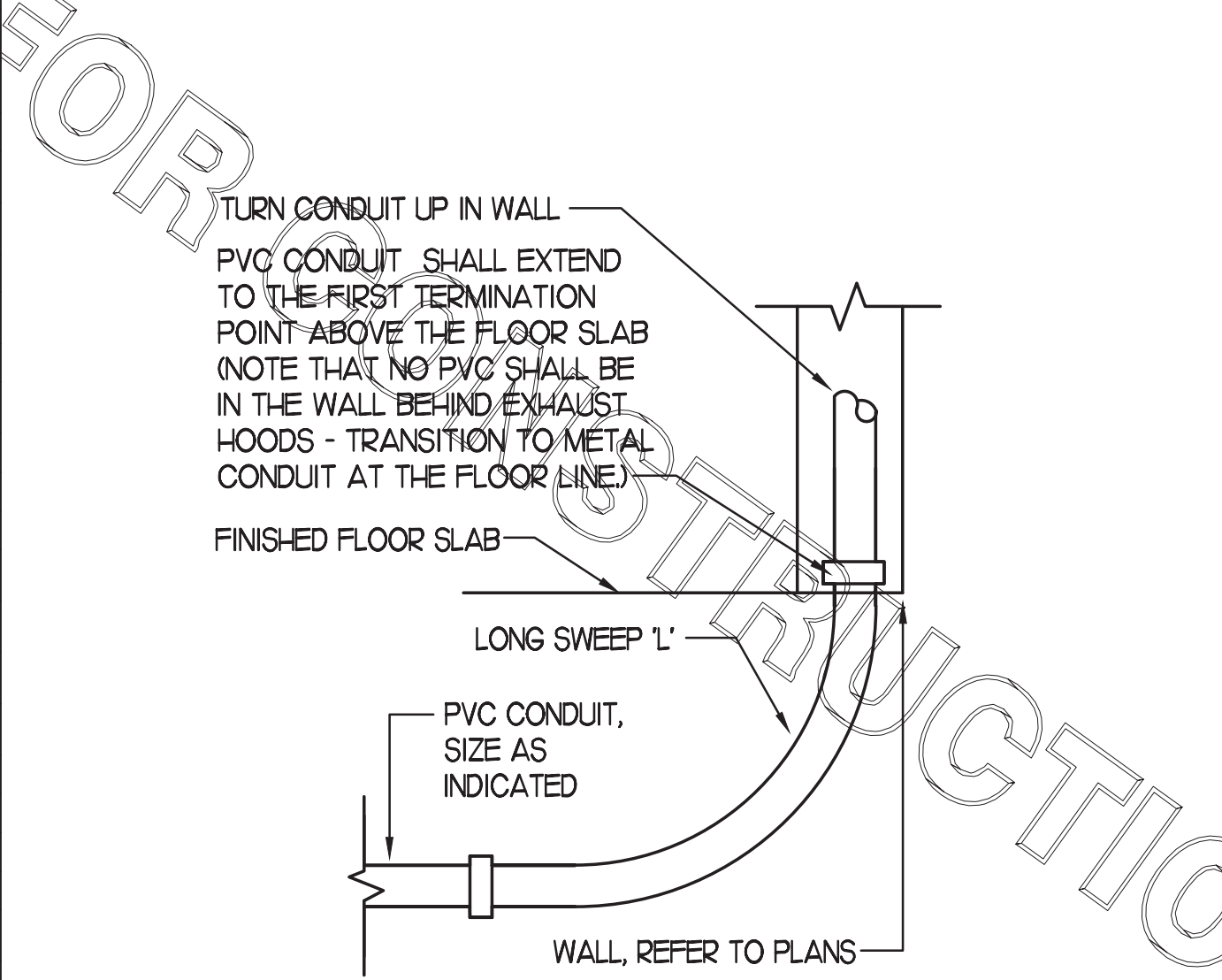
REQ UR ES IG/ GF WIRI NG	ITEM NO.	EQUIPMENT	MANUFACTURER	ELECTRICAL					NEMA CONFIG	COOPER/ARROW HART (UON) RECEP CAT. NO.	Wire/Conduit MARK NO.	(ALL ITEMS BY CHICK-FIL-A UNLESS OTHERWISE NOTED)
				VOLT	PH	WI RES	KW	AMP				
	180R	ORDER REGISTER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	182	RECEIPT 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	GENUS COBRA MODEL #107000-00	120	1	2	0.078	0.65	NEMA 5-15R	1	PROVIDED BY CFA WAREHOUSE - CLOCK STYLE RECEPTACLE REQUIRED	
	269	ANSUL FIRE SUPPRESSION SYSTEM	HALTON HOODS	120	1	2			VERIFY DIRECT CONNECTION		LOCATED ABOVE HOOD - BEHIND CLOSURE PANEL - REFER TO SHOP DRAWINGS - FED FROM CFA-1500 PANEL	
	270	ANSUL FIRE SUPPRESSION SYSTEM	HALTON HOODS	120	1	2			VERIFY DIRECT CONNECTION	1	LOCATED ABOVE HOOD - BEHIND CLOSURE PANEL - REFER TO SHOP DRAWINGS - FED FROM CFA-1500 PANEL	
	300aR	MILKSHAKE BASE DISPENSER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		MOUNTED ON ITEM #300bR	
	300XR	DOUBLE BARREL ICE CREAM MACHINE	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	305	TEA BREWER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	308dR	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 #85-23710-111-07 MODEL 2300	120	1	2		10.0	NEMA 5-20R	1	DUPLEX RECEPTACLE REQUIRED FOR EACH BEVERAGE TOWER	
	320	TURBO CARBONATOR	LANCER #85-1923-03	115	1	2		6.2	NEMA 5-20R	1	ORDER (3) #44231, (2) #44233, (5) DR. PEPPER PUMPS, & (2) #T5274SN-01	
	363	DISHWASHER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	380X	ICE MACHINE	FOLLETT HORIZON CHEWBLET MODEL #HMF1650RBT	120	1	2		6	NEMA 5-15R	1	INSTALLED ON ITEM #380 - PROVIDE WITH 35' LINE SETS	
	380Z	ICE MACHINE REMOTE CONDENSING UNIT	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		AIR COOLED UNIT, G.C. SHALL PLACE AND INSTALL CONDENSER ON ROOF - NOT SHOWN ON DRAWING	
	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	1	ORDER ON 4" CASTERS WITH WORK TOP AND BACKSPLASH; PROVIDE WITH TWIST LOCK	
	410	WALK-IN FREEZER	THERMOKOOL	120	1	2		3.3	DIRECT CONNECTION	1	EXTERIOR BOX DIMENSIONS - 8'-0" W X 12'-3" D X 9'-6" H - CENTER LINE OF DOOR IS 48" FROM RIGHT EXTERIOR CORNER - HINGE LEFT	
	410a	WALK-IN FREEZER CONDENSER	THERMOKOOL	208	3	3		16.500	DIRECT CONNECTION		G.C. SHALL INSTALL CONDENSER ON ROOF - NOT SHOWN ON DRAWING	
	410b	WALK-IN FREEZER EVAPORATOR	THERMOKOOL	208	1	2		8.8	DIRECT CONNECTION		POWER FED FROM CONDENSER	
	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	1	ORDER ON 4" CASTERS	
	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		ELECTRICIAN TO CHANGE (1) PLUG TO TWIST LOCK	
	439	40" COLD RAIL	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	440	BREADING TABLE	RANDELL MODEL #52365WPRM-CFA	120	1	2		12.0	NEMA L5-20R	1	ORDER ON 4" CASTERS - ELECTRICIAN TO CHANGE PLUG TO TWIST LOCK	
	440R	BREADING TABLE	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		ELECTRICIAN TO CHANGE PLUG TO TWIST LOCK	
	441	SALAD PREP TABLE	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		ELECTRICIAN TO CHANGE PLUG TO TWIST LOCK PLUG	
	444R	THAWING CABINET - DOUBLE	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		CONVERT TO DIRECT CONNECT IF NEEDED - G.C. TO INSTALL LIQUID TIGHT FLEX. CONDUIT	
	444S	THAWING CABINET - SINGLE	TRAUlsen MODEL #RET132EWUT-FHS	120	1	2		16.0	DIRECT CONNECTION	1	HINGE LEFT - G.C. TO INSTALL LIQUID TIGHT FLEX. CONDUIT	
	505V	VECTOR OVEN	ALTO-SHAAM	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	1	EXTERIOR BOX DIMENSIONS - 10'-2" W X 10'-0" D X 9'-6" H - CENTER LINE OF DOOR IS 50" FROM RIGHT EXTERIOR CORNER - HINGE RIGHT	
	449a	WALK-IN COOLER CONDENSER	THERMOKOOL	208	3	3		9.5000	DIRECT CONNECTION		G.C. SHALL INSTALL CONDENSER ON ROOF - NOT SHOWN ON DRAWING	
	449b	WALK-IN COOLER EVAPORATOR	THERMOKOOL	208	1	2		1.0	DIRECT CONNECTION		POWER FED FROM CONDENSER	
	500AR	VERTICAL CONTACT TOASTER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		LOCATED ON ITEM #120c	
	500BR	RADIANT TOASTER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		LOCATED ON ITEM #120c	
	500R	BUN WARMER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		LOCATED ON ITEM #120c - FRANKIE TABLE CIRCUIT #12 & #13	
	505G	RANGE/CONVECTION OVEN	LANG MODEL #9P-R30CAPF208CF	208	3	3	19.8	57.6	NEMA 15-60R	17	HINGE LEFT - FULL GRIDDLE TOP - OVEN MOUNTED ON 4" CASTERS - PROVIDE 6' CORD & ANGLE PLUG	
	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	8	ORDER WITH CUSTOM EAGLE STAND AND BRACKET - PROVIDE WITH 6' CORD & PLUG	
	522	OPEN FRYER	HENNY PENNY MODEL #CFE-410	208	3	3	22.0	61	PIN&SLEEVE		PIN&SLEEVE PROVIDED WITH EQUIPMENT AND RECEPTACLE BOX PROVIDED WITH HALTON ITEMS	
	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	14	SUPPLIED WITH 6' SO CORD AND PLUG	
	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	14	REPLACE PLUG & CORD-SET IN FIELD - PART OF ROLLOUT	
	524R	DUAL-SIDED XPRESS BROILER	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	550	DOUBLE WARMING DRAWER	TOASTMASTER MODEL #3B80A	120	1	2	1.00	8.3	NEMA 5-15R		LOCATED IN ITEM #120 - FRANKIE TABLE CIRCUIT #2 & #3	
	560	FRY HOLDING STATION	BKI MODEL #FW-158B	120	1	2	1.84	15.4	NEMA 5-20R	1	ON ITEM #105	
	560S	FRY HOLDING STATION	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY			
	560R	FRY HOLDING STATION	EQUIPMENT TO BE REUSED/RELOCATED						VERIFY		ON ITEM #105	
	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	1	6' CORD & PLUG - PLACED ON ITEM #105	
	563S	SANDWICH SLIDE	BKI MODEL #SM-2624R	120	1	2	.548	4.56	NEMA 5-20R	1	6' CORD & PLUG - PLACED ON ITEM #105	
	564	PRODUCT HOLDING CABINET	DUKE MODEL #FWM3-24CF6-120	120	1	2	1.6	13.3	NEMA 5-15R	1	LOCATED IN ITEM #120b - FRANKIE TABLE CIRCUIT #7 & #14	
	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	7	PROVIDE WITH TWIST LOCK PLUG	
	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	1	VERIFY MENU BOARD LAYOUT	
	592	REETHERMALIZER	PITCO SRTE 14	208	3		8	22	15-50P			
	503T	EGG STATION	ANTUNES MODEL #ES-600R 9300657	208	1	2		12.500	NEMA L6-20R	1	ORDER ON 4" CASTERS WITH WORK TOP AND BACKSPLASH; PROVIDE WITH TWIST LOCK	



2 KITCHEN EQUIP DIRECT CONNECTION
NOT TO SCALE WALL MOUNT CONDITION



3 KITCHEN EQUIP DIRECT CONNECTION
NOT TO SCALE DROP CORD - ISLAND MOUNT CONDITION



4 INTERIOR PVC CONDUIT DETAIL
NOT TO SCALE

NEMA 5-15R
 NEMA 5-20R
 NEMA L5-20R
 NEMA L14-20R
 NEMA L14-30R
 NEMA L14-30R
 NEMA 15-20R
 NEMA 15-30R
 NEMA 15-50R
 NEMA 15-60R

5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:
 Mark Date By
 △ _____
 △ _____
 △ _____
 △ _____
 SEAL

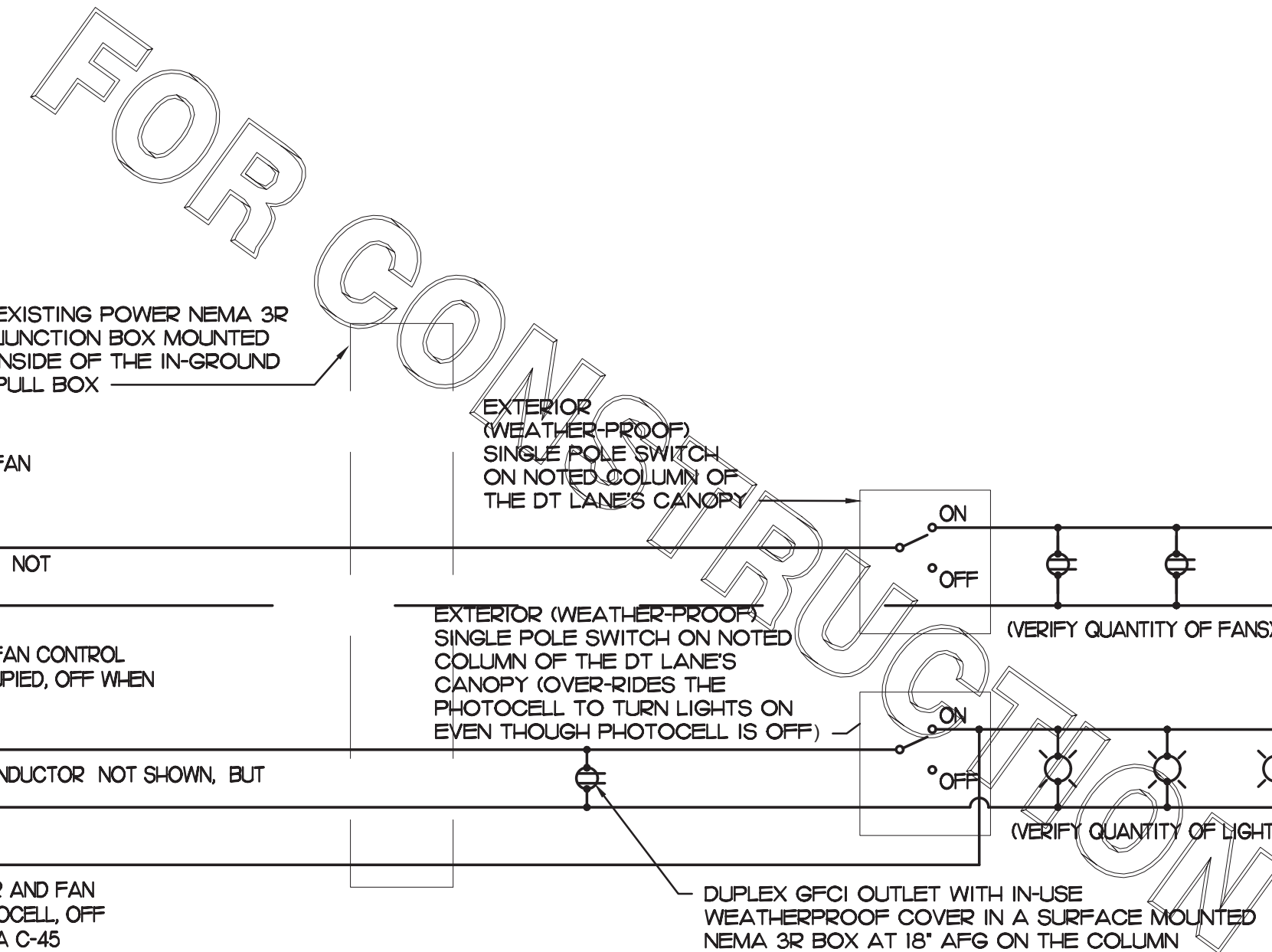
INTERPLAN
 INTERPLAN LLC
 AR0011595
 CA 8640
 ARCHITECTURE
 ENGINEERING
 PERMITTING
 220 E. CENTRAL PKWY. STE 4000
 ATLANTA, GEORGIA 30301
 404.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU
 3070 Eagle Drive
 Woodstock, GA
 30189-05531

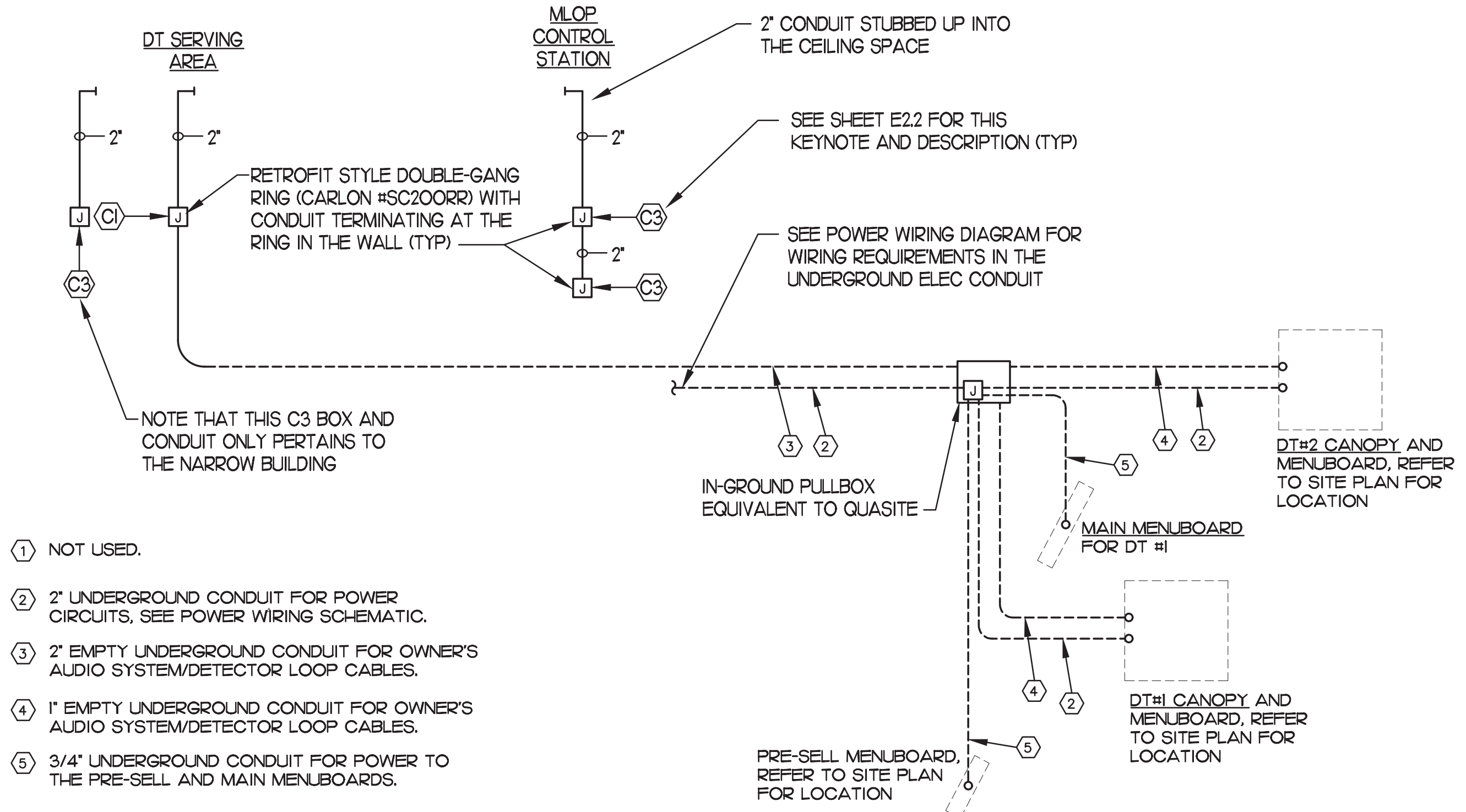
SHEET TITLE
 EQUIP SCHEDULE
 AND DETAILS

VERSION: _____
 ISSUE DATE: _____
 Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : MI
 Checked By : SN

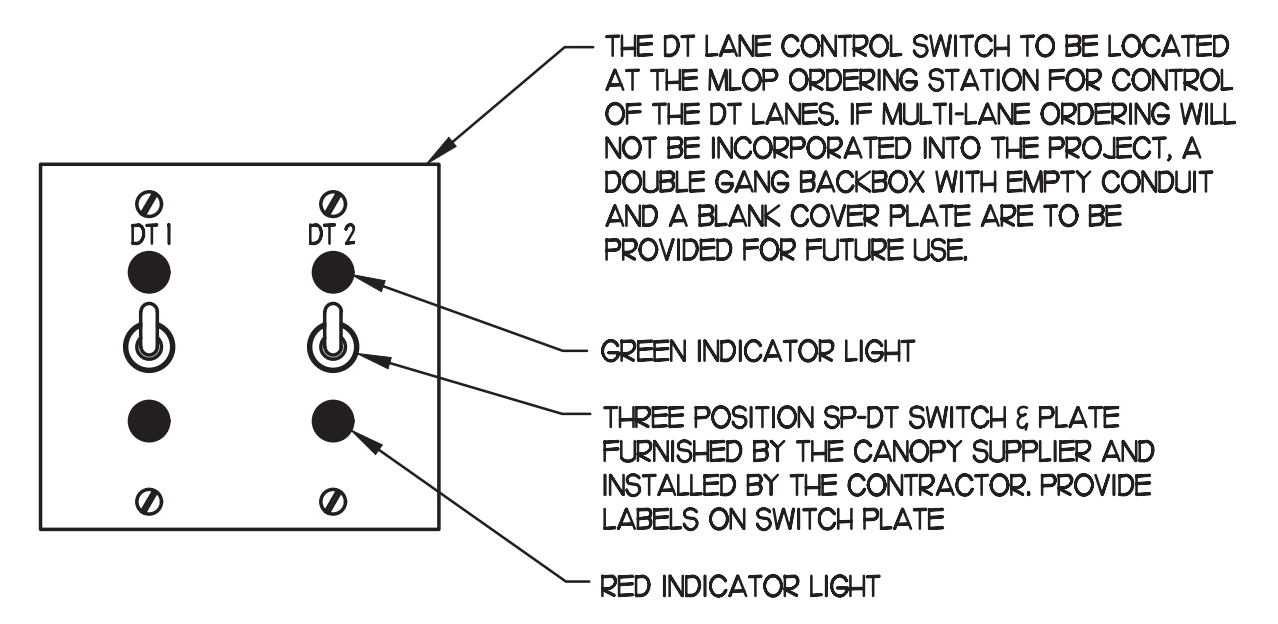
Sheet
EI.2



1 DUAL DT LANES CANOPY POWER WIRING SCHEMATIC - NEW MLOP
NO SCALE

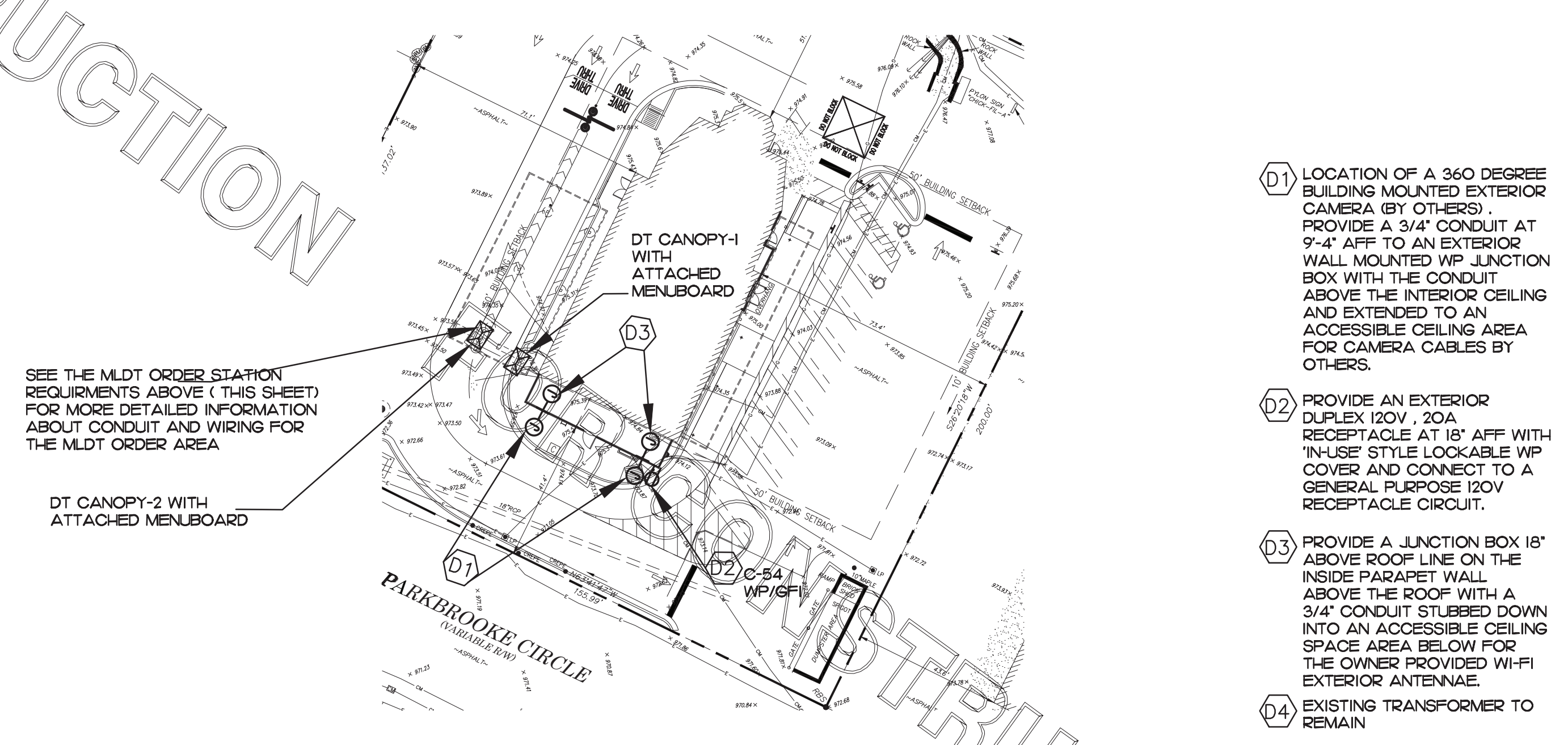


2 MULTI-LANE DRIVE-THRU ORDER AREA CONDUIT REQUIREMENTS
NO SCALE

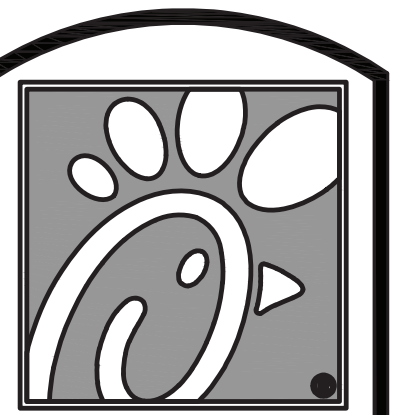


3 POSITION DT LANE CONTROL STATION
NO SCALE

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



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



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
DRIVE-THRU
ORDER DETAILS

VERSION: -
ISSUE DATE: -

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

Sheet
E.I.3



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
05 01/14/22 MI
BIR UPDATES

07 02/16/22 MI
BIR UPDATES

SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GEORGIA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU

3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
LIGHTING
PLAN

VERSION:
ISSUE DATE:

Job No. : 20.0864

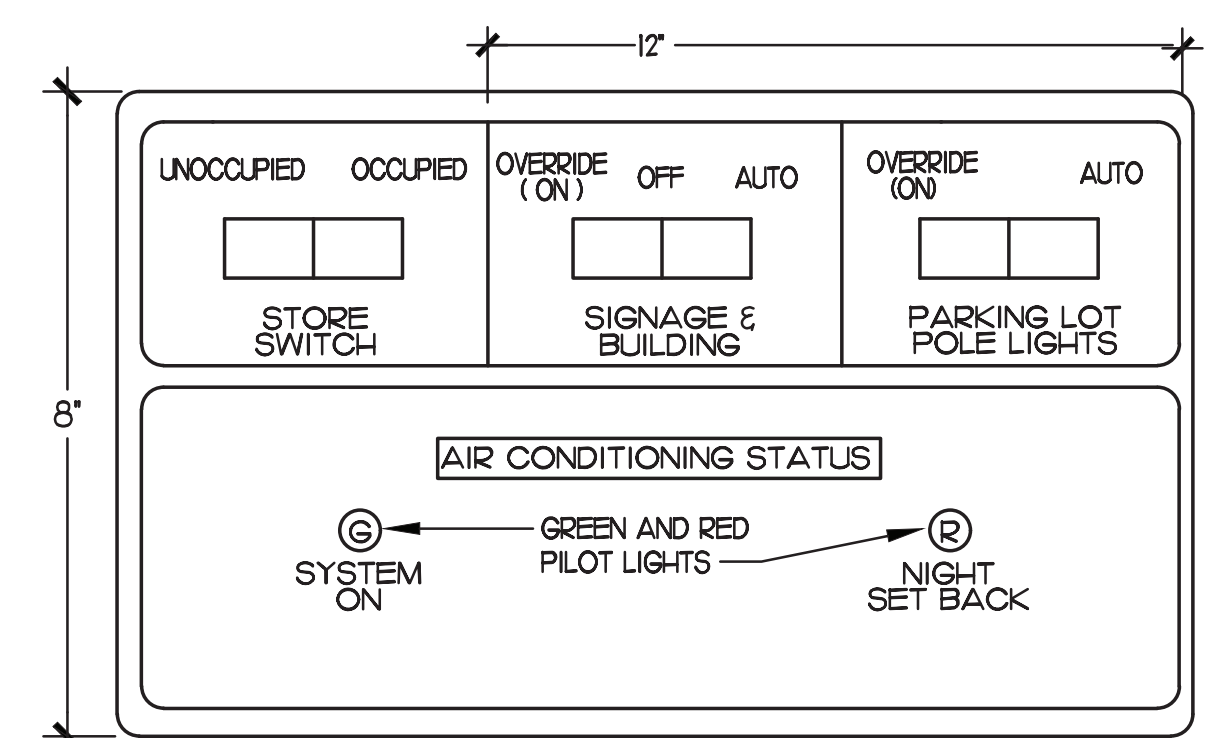
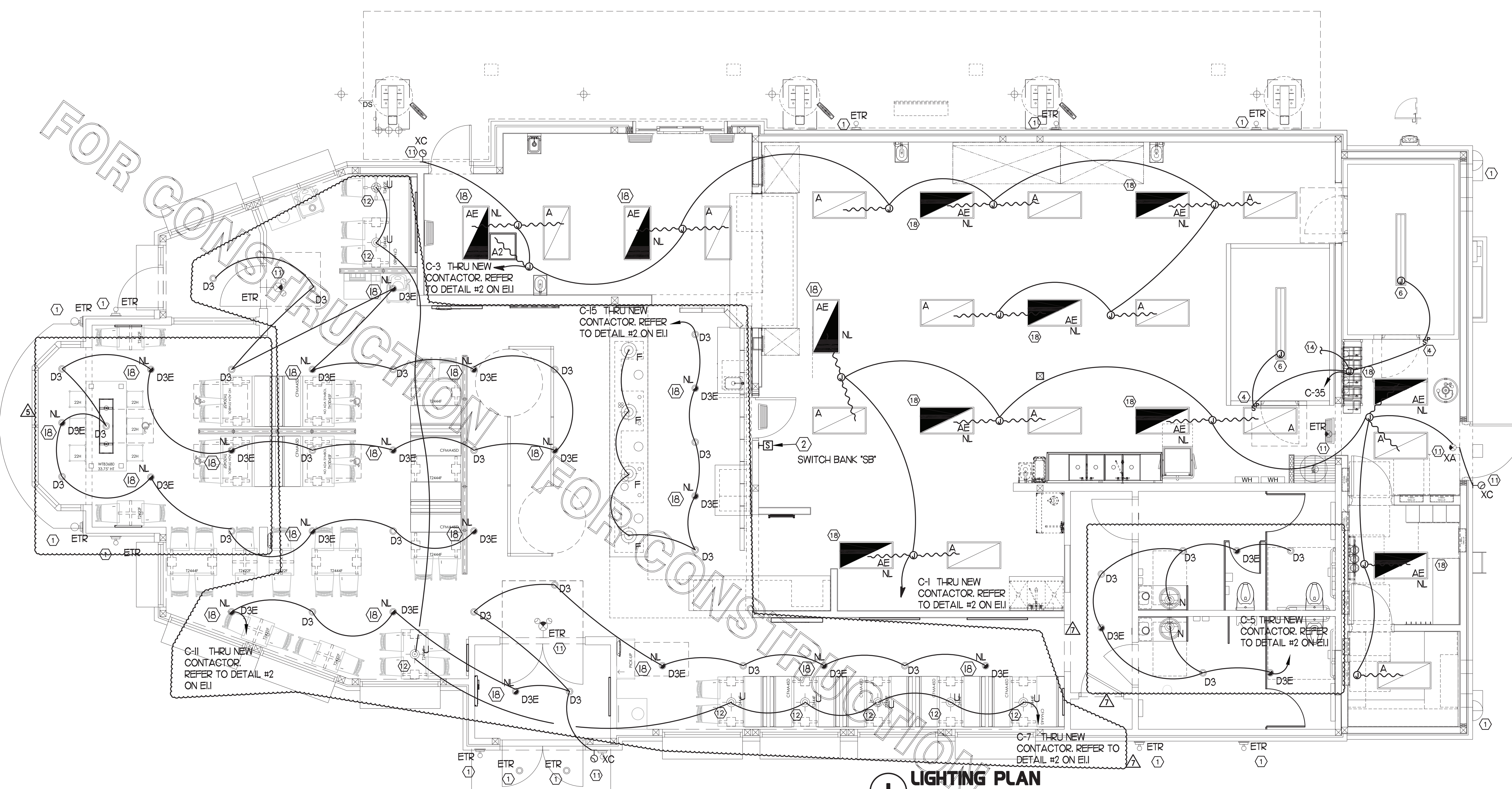
Store : 00763

Date : 07/2021

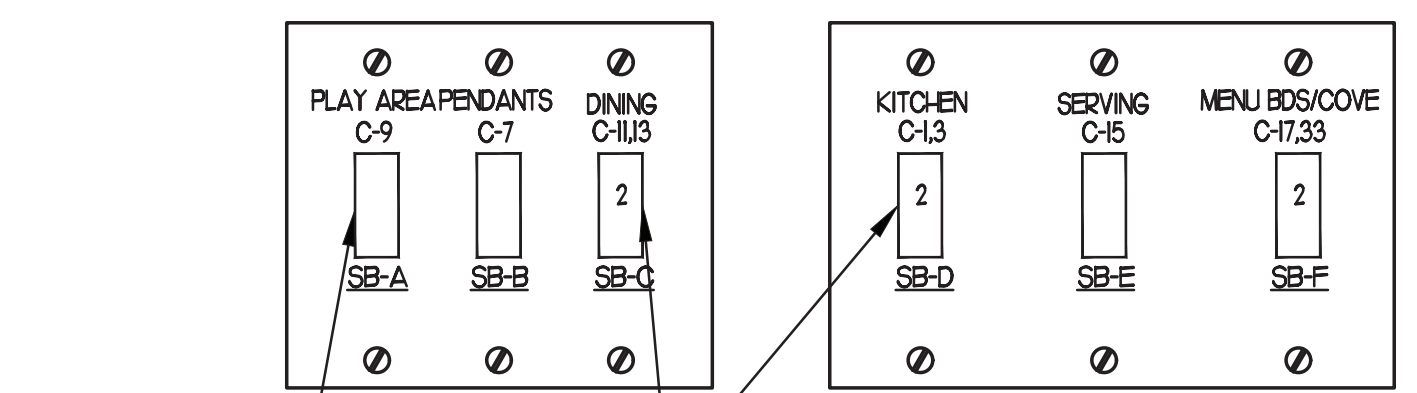
Drawn By : MI

Checked By : SN

Sheet
E2.I



3 STORE OPEN-CLOSE CONTROL SWITCH UNIT
NO SCALE

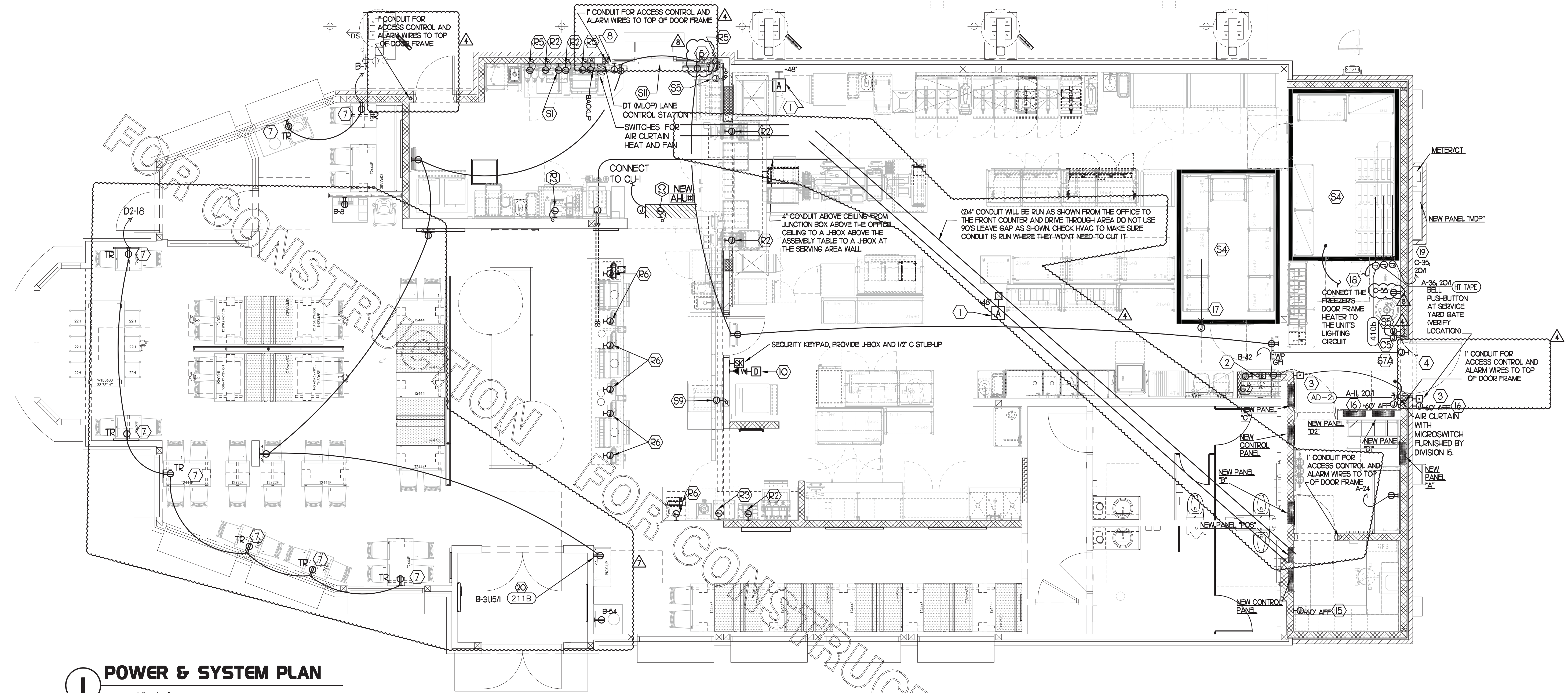


INDICATES 2 POLE LIGHT SWITCH
NOTE: LOCATE JUNCTION BOXES IN CEILING SPACE ABOVE THE LOCATION OF THE SWITCH-BANK FOR SPLICING OF LINE, LOAD, AND SWITCHED CONDUCTORS. PROVIDE GANGED BACKBOX FOR SWITCHES AS REQUIRED AND LABEL ALL CONDUCTORS SO AS TO INDICATE THEIR USE (LINE, LOAD, SWITCH), THE LOAD SERVED, AND THE CIRCUIT NUMBER.

4 SWITCH BANK "SB" DETAIL
NO SCALE

1 LIGHTING PLAN
SCALE: 1/4"=1'-0"

- 2 KEYNOTES (APPLY TO THIS SHEET ONLY)**
- ① CLEAN, RELAMP AND RELEASE ANY RELOCATED EXISTING LIGHT FIXTURES TO LIKE NEW CONDITION, RECONNECT TO EXISTING AREA LIGHTING CIRCUIT AND CONTROL.
 - ② APPROXIMATE LOCATION OF SWITCH BANK "SB". SEE DETAIL #4 THIS SHEET FOR MORE INFORMATION.
 - ③ ASSUMED LOCATION OF EXISTING BATTERY BACKUP FIXTURE E.G. SHALL FIELD VERIFY IF FIXTURE EXISTING AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO BID AND PROVIDE NEW AS NEEDED.
 - ④ FOR CONTROL OF LIGHTING FIXTURE IN WALK-IN COOLER/FREEZER. FURNISHED WITH EQUIPMENT, INSTALLED BY ELECTRICAL CONTRACTOR.
 - ⑤ NOT USED
 - ⑥ FOR CONNECTION TO LIGHTING FIXTURES IN THE WALK-IN COOLER AND WALK-IN FREEZER WHICH ARE FURNISHED WITH EQUIPMENT. CONTRACTOR SHALL ROUGH-IN AND CONNECT ALL FIXTURES AS REQUIRED BY THE EQUIPMENT MANUFACTURER. PROVIDE FLUORESCENT LAMP TYPE AS REQUIRED BY EQUIPMENT MANUFACTURER.
 - ⑦ NOT USED
 - ⑧ NOT USED
 - ⑨ NOT USED
 - ⑩ NOT USED
 - ⑪ CONNECT FIXTURE TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS. THIS FIXTURE SHALL NOT BE SWITCHED.
 - ⑫ REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF PENDANTS, DOWNLIGHTS, ACCENTS LIGHTS, AND WALL WASHER LIGHT FIXTURES.
 - ⑬ NOT USED
 - ⑭ TO WALK-IN DOOR FRAME HEATER AND INTERIOR LIGHTS. J-BOX TO BE ABOVE THE UNITS AND EXTEND DOWN ALONG THE FRONT AT 9'-6" AFF TO HEATERS AND LIGHT SWITCHES.
 - ⑮ NOT USED
 - ⑯ NOT USED
 - ⑰ NOT USED
 - ⑱ CONNECT FIXTURE SO THAT FIXTURE AND BATTERY BACK-UP ARE NOT SWITCHED. "NL" ADJACENT TO FIXTURE INDICATES THAT FIXTURE SHALL BE ON 24 HOURS.



1 POWER & SYSTEM PLAN
SCALE: 1/4" = 1'-0"

2 KEY NOTES - POWER:

- 1 PROVIDE 2 GANG DEEP BOX (2" MIN) FOR ANSUL 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 DORTRONICS SYSTEMS #W5286-P25 CLEAR ANODIZED ALUMINUM PUSH-BUTTON WITH SINGLE GANG SWITCH-PLATE.
- 4 ONE 3" ISP SERVICE CONDUIT. EXTEND WITH PULL STRING FROM THE J-BOX TO THE UTILITY SOURCE.
- 5 TIMER SWITCH FOR OUTSIDE ELECTRIC HEATER.
- 6 NOT USED.
- 7 TAMPER RESISTANT (TR) DUPLEX RECEPTACLE WITH USB CHARGER (IN THE DINING AREAS) SHALL BE COOPER/ARROW HART #TR7746-B (BROWN) WITH MATCHING COLOR DECOR STYLE PLATE.
- 8 JUNCTION BOX WITH 3/4" CONDUIT STUB-UP INTO THE CEILING SPACE FOR OWNER'S AIRPHONE INTERCOM FOR THE MLOP 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 NOT USED.
- 14 NOT USED FROM 12 TO 14.
- 15 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.
- 16 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.
- 17 CONNECT EVAPORATOR UNIT IN COOLER TO COOLER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 18 CONNECT EVAPORATOR UNIT IN FREEZER TO FREEZER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 19 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 FIXTURES TO JUNCTION BOX.
- 20 PROVIDE DUPLEX NEMA 5-15R CLOCK RECEPTACLE (SEE ELEVATIONS FOR MTG HT) FOR CONNECTION TO FLY SYSTEM EQUIPMENT #21. VERIFY HEIGHT FOR #21. DO NOT CUT THE CORDSET FURNISHED WITH THE UNIT, BUT COIL THE CORD ON THE BACK OF THE UNIT PER MANUFACTURER'S DIRECTIONS.

3 KEY NOTES - SECURITY:

- 51 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.
- 52 PROVIDE 4" W X 4" H X 3" D FLUSH JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID CONDUIT UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE BUSHING ON CONDUIT.
- 53 PROVIDE 4" W X 4" H 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.
- 54 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 WIC/WIF CEILING.
- 55 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.
- 56 PROVIDE SINGLE GANG JUNCTION BOX ON INSIDE FACE OF PARAPET WALL APPROX. 12" BELOW TOP OF PARAPET WALL. EXTEND 1/2" CONDUIT DOWN TO ABOVE ACCESSIBLE OFFICE CEILING.
- 57A EXTEND 3/4" RIGID CONDUIT FROM TOP OF STRIKE-SIDE DOOR FRAME CHANNEL TO ABOVE ACCESSIBLE CEILING.
- 58 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN EITHER HINGE-SIDE DOOR VERTICAL FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 59 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.
- 60 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 59.
- 61 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN STRIKE-SIDE WINDOW FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 62 PROVIDE SINGLE GANG, 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.
- 63 NOT USED.
- 64 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 INSULATED 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:

- 61 PROVIDE DOUBLE-GANG RING (CARLON #SC200R) WITH STAINLESS STEEL COVER PLATE AND HOLE IN PLATE FOR AUDIO WITH 2" CONDUIT UNDERGROUND TO THE DT DUAL-LANE (MLOP) ORDERING AREA AND A 2" CONDUIT STUBBED UP INTO THE CEILING SPACE.
- 62 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.
- 63 PROVIDE TWO DOUBLE-GANG RINGS (CARLON #SC200R) 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.
- 64 PROVIDE SINGLE-GANG JUNCTION BOX WITH A 1" EMPTY CONDUIT STUBBED UP INTO THE ACCESSIBLE CEILING SPACE FOR OWNER'S VOIP PHONE JACK AND CABLES.
- 65 PROVIDE TWO 6"x6"x1/4" 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. PROVIDE A 36"x36"x1/2" 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:

- 61 CO2 CENTRAL CONTROL UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 62 CO2 ANNUNCIATOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 63 CO2 SENSOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 12" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 64 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:

- M1 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.
- M2 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.
- M3 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.
- M4 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:

- R1 PROVIDE A RETROFIT DOUBLE-GANG RING (CARLON #SC200R) FOR OWNER'S DEVICE PLATE WITH A 3" EMPTY CONDUIT AT THE OPENING IN THE WALL UP TO THE CEILING SPACE FOR OWNER'S DATA CABLES.
- R2 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 OWNER'S POS SYSTEM VENDOR.
- R3 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.
- R4 PROVIDE A RETROFIT SINGLE GANG RING (CARLON #SC200R) FOR OWNER'S DEVICE PLATE WITH A 2" EMPTY CONDUIT AT THE OPENING IN THE WALL UP TO THE CEILING SPACE FOR OWNER'S DATA CABLES.
- R5 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.
- R6 PROVIDE SINGLE GANG EXTRA DEEP JUNCTION BOX MOUNTED ON THE MOUNTING PLATE WITHIN THE FRONT SERVING COUNTER CASEWORK.
- R7 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.



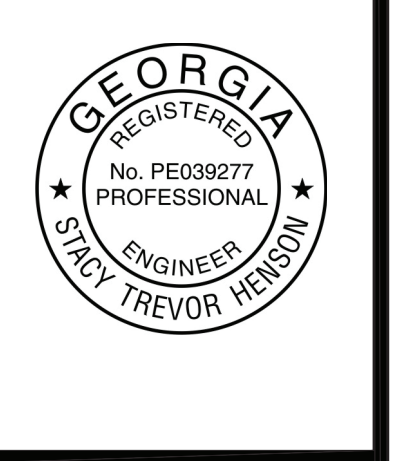
Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
4	11.16.21	MI
19	02/16/22	MI
7	03.10.22	MI
8		MI

STRONG SYSTEM REQUIREMENT UPDATES
BIR UPDATES
KITCHEN UPDATES



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY. STE 4000
ALPHARETTA SPRINGS, GA 30201
407.645.5008

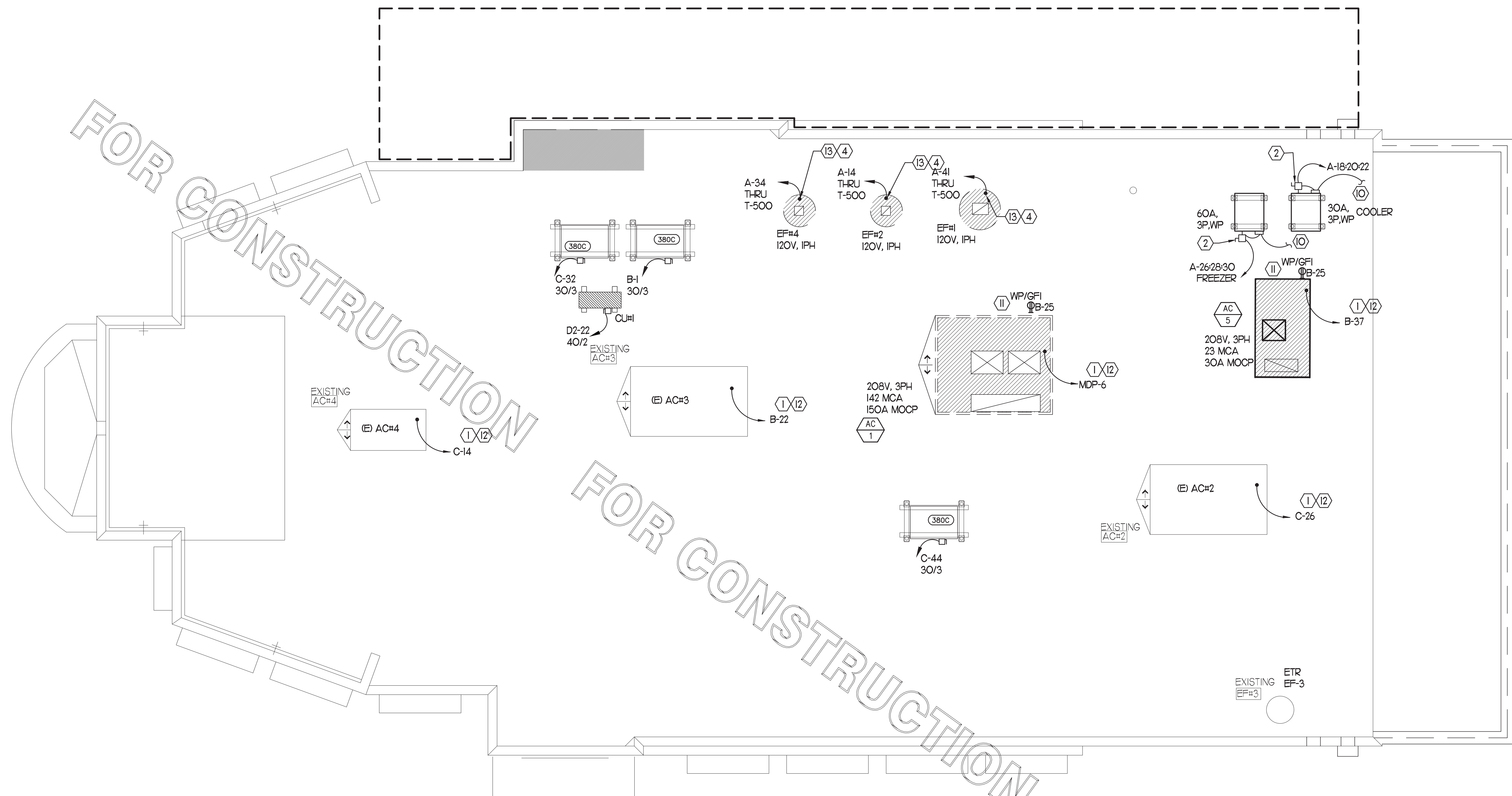
STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
**POWER & SYSTEMS
PLAN & NOTES**

VERSION: -
ISSUE DATE: -

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

Sheet
E2.2



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

- 2 KEY NOTES - ROOF ELECTRICAL PLAN:**
- ① ROUTE ELECTRICAL CONDUITS TO UNIT CONNECTIONS THROUGH WEATHERPROOF RACEWAY FURNISHED WITH UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
 - ② 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.
 - ③ NOT USED
 - ④ 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.
 - ⑤ NOT USED
 - ⑥ NOT USED.
 - ⑦ NOT USED
 - ⑧ NOT USED
 - ⑨ NOT USED
 - ⑩ CONNECT POWER FROM EACH CONDENSING UNIT'S COMPRESSOR CONTACTOR TO THE EVAPORATOR COIL UNIT'S JUNCTION BOX BELOW. REFER TO E22 FOR LOCATION.
 - ⑪ CONVENIENCE RECEPTACLE PROVIDED PRE-INSTALLED IN HVAC UNIT. CONNECT TO 120 VOLT CIRCUIT AS REQUIRED AND/OR AS INDICATED.
 - ⑫ A/C UNIT DISCONNECT IS FURNISHED WITH A/C UNIT AND SHALL BE CONNECTED BY THE CONTRACTOR.
 - ⑬ EXHAUST FAN IS FURNISHED WITH A PREWIRED DISCONNECT.



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
INTERPLAN LLC
AR0011995
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY. STE 4000
ALPHARETTA SPRINGS, GA 32001
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU

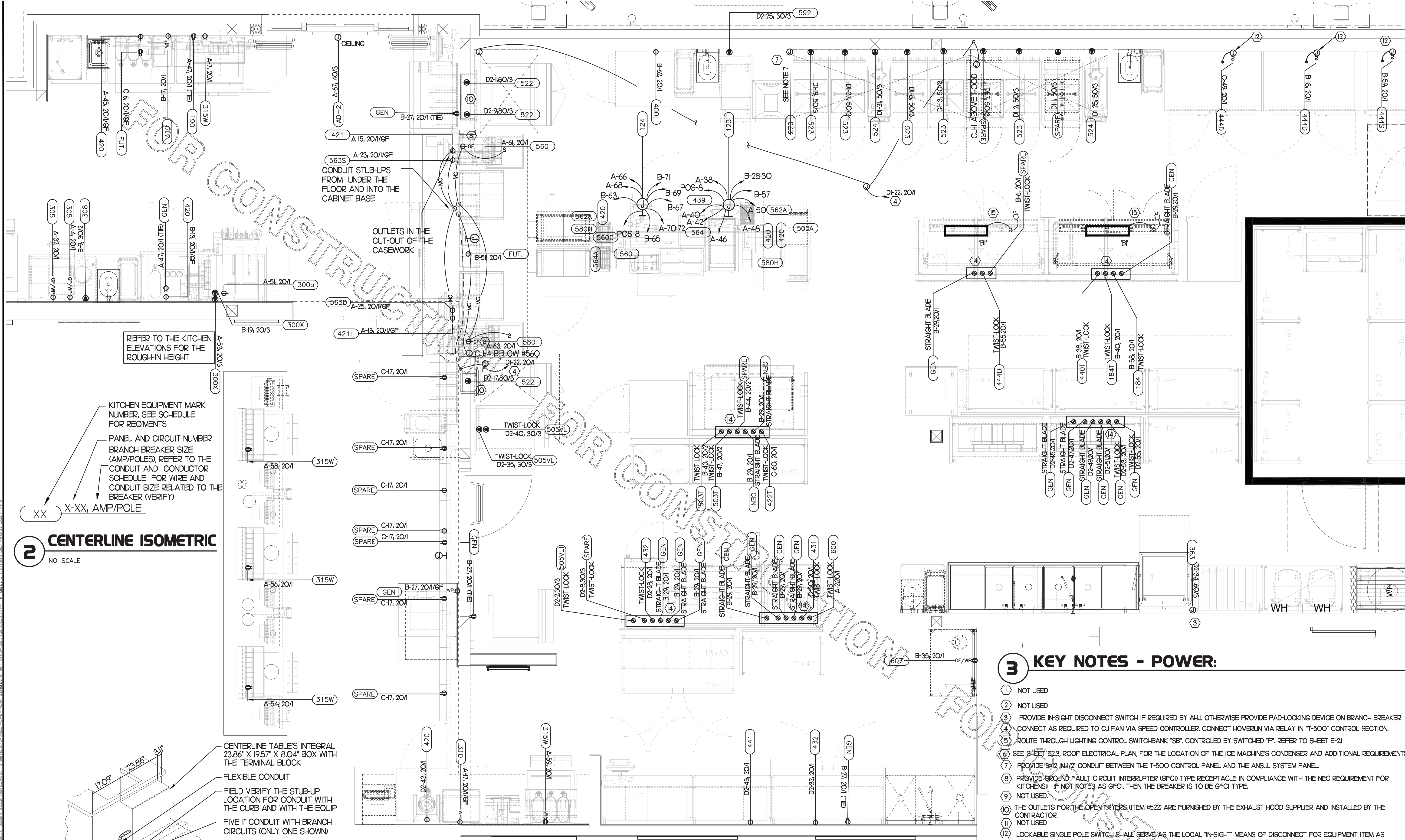
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
ROOF ELECT.
PLAN

VERSION: _____
ISSUE DATE: _____

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

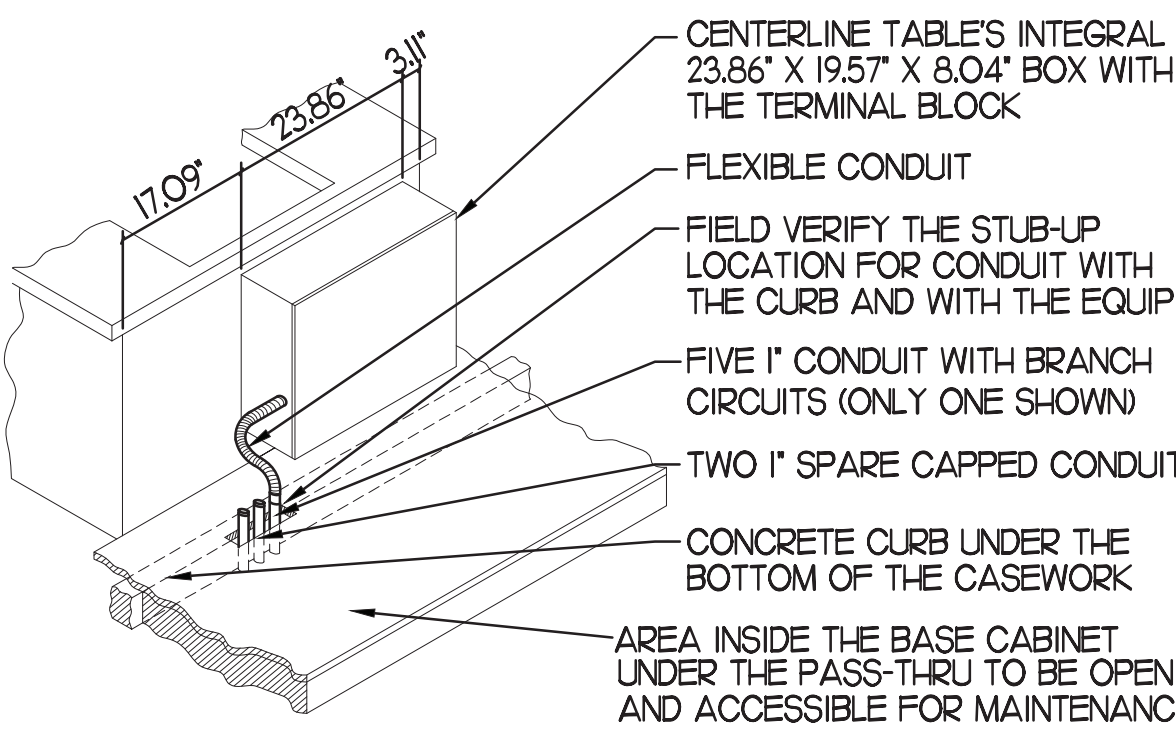
Sheet
E2.3



REFER TO THE KITCHEN ELEVATIONS FOR THE ROUGH-IN HEIGHT

KITCHEN EQUIPMENT MARK NUMBER, SEE SCHEDULE FOR REQMENTS
 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

1 ENLARGED POWER PLAN
 SCALE: 1/2" = 1'-0"

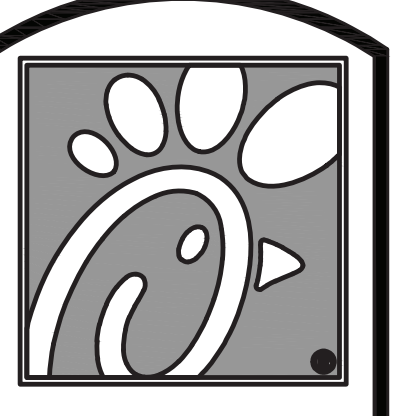
ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS SPECIFIED IN NECART 210.8 (BX) - (B) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.

NOTE THAT THE ISOLATED GROUNDING TYPE RECEPTACLES AND CLOCK 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 A.H.I. OTHERWISE PROVIDE PAD-LOCKING DEVICE ON BRANCH BREAKER
- 4 CONNECT AS REQUIRED TO C.J. FAN VIA SPEED CONTROLLER. CONNECT HOMERUN VIA RELAY IN "T-500" CONTROL SECTION.
- 5 ROUTE THROUGH LIGHTING CONTROL SWITCH-BANK "SB", CONTROLLED BY HOMERUN "F", REFER TO SHEET E-21
- 6 SEE SHEET E23, ROOF ELECTRICAL PLAN, FOR THE LOCATION OF THE ICE MACHINE'S CONDENSER AND ADDITIONAL REQUIREMENTS
- 7 PROVIDE 3/4" IN 1/2" CONDUIT BETWEEN THE T-500 CONTROL PANEL AND THE ANSUL SYSTEM PANEL.
- 8 PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLE IN COMPLIANCE WITH THE NEC REQUIREMENT FOR KITCHENS. IF NOT NOTED AS GFCI, THEN THE BREAKER IS TO BE GFCI TYPE.
- 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 #52983 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 #1260-1000. ASSEMBLY WILL CONSIST OF A FLUSH CEILING OUTLET BOX, TWIST-LOCK PENDANT RECEPTACLES, STRAIGHT BLADE PENDANT RECEPTACLES, CORDS, 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 5 SEYMOUR MODEL #FS075-U-GH5 OR EQUIVALENT. PROVIDE A TYPE B1 LIGHT FIXTURE. MOUNT LIGHT TO THE UNDERSIDE OF THE WIRE SHELVING. PROVIDE A CORD FROM THE FIXTURE(S) 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).

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

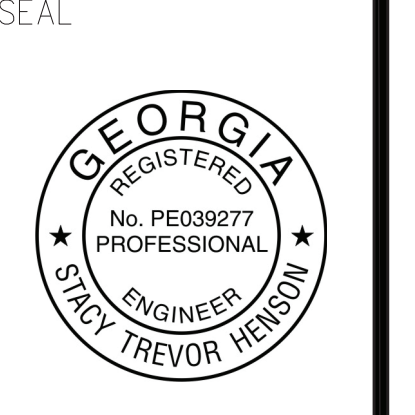


Chick-fil-A

5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:
 Mark Date By

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
 INTERPLAN LLC
 AR0011595
 CA 8640
 ARCHITECTURE
 ENGINEERING
 PERMITTING

220 E. CENTRAL PKWY, STE 4000
 ATLANTA, GEORGIA 30321
 407.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU

3070 Eagle Drive
 Woodstock, GA
 30189-05531

SHEET TITLE
 ENLARGED
 POWER PLAN

VERSION:
 ISSUE DATE:

Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : MI
 Checked By : SN

Sheet
E2.4



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
4 11.16.21 MI
STRONG SYSTEM
REQUIREMENT UPDATES

△
△
△
SEAL



INTERPLAN
INTERPLAN LLC
AR0011995
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

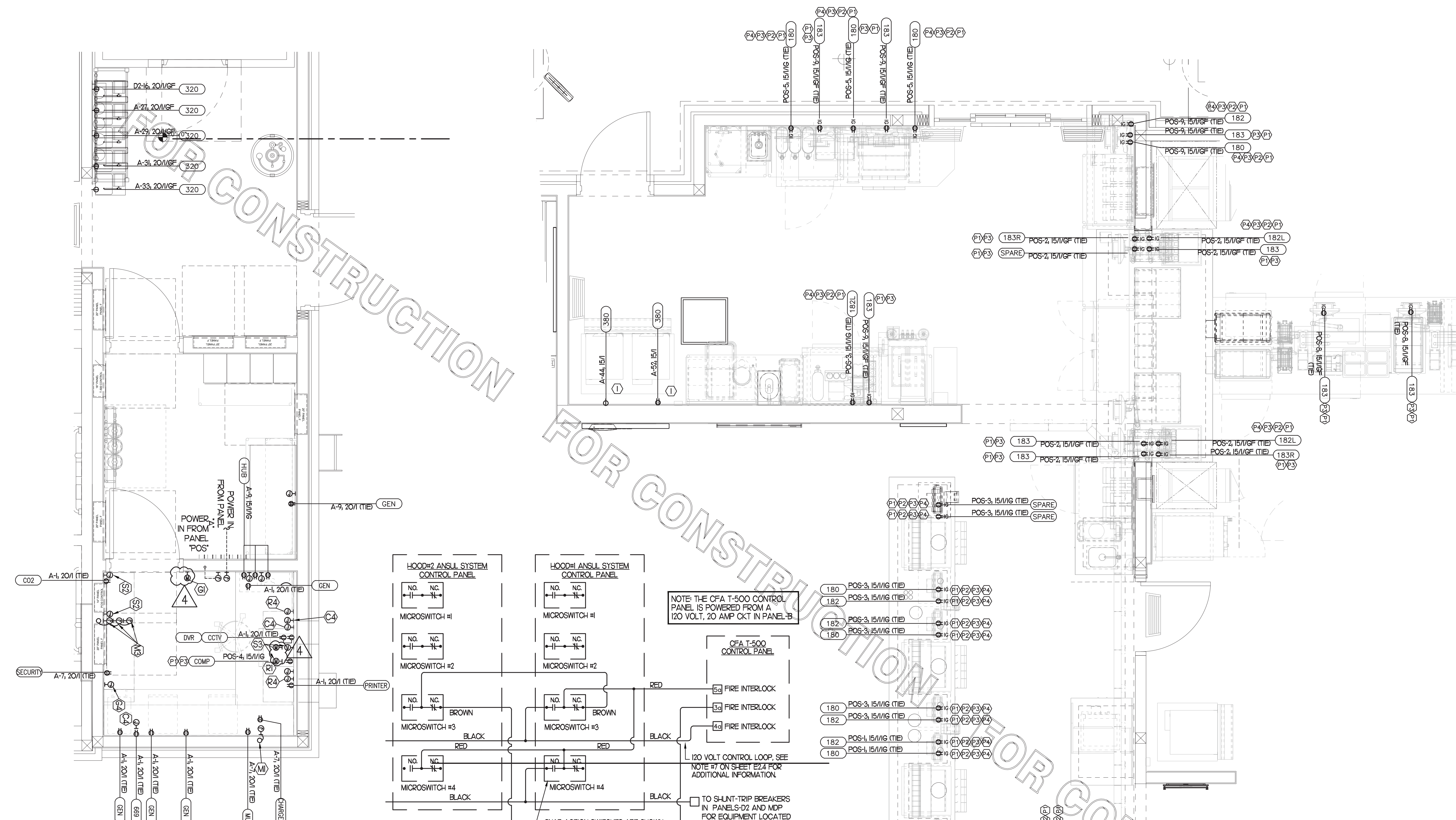
STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
ENLARGED POS
POWER PLAN

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

Sheet
E2.5



IB LARGE SCALE POS POWER PLAN - OFFICE/MP ROOM
SCALE: 3/4" = 1'-0"

4 ANSUL SYSTEM PANEL WIRING DIAGRAM
NOT TO SCALE

3 KEY NOTES - POS:

- (P1) PROVIDE ORANGE ISOLATED GROUND (IG) DUPLEX RECEPTACLE.
- (P2) PROVIDE GROUND FAULT PROTECTION FOR THESE DEVICES VIA A GROUND FAULT CIRCUIT BREAKER IF LOCAL CODE DEFINES THIS A FOOD PREPARATION AREA.
- (P3) USE TYPE MC CABLE FOR THE ISOLATED GROUND CIRCUIT: #12 HOT, NEUTRAL, GREEN GROUND, STRIPED ISO GRD. EACH 15A HOMERUN SHALL BE DEDICATED TO A CIRCUIT BREAKER VIA DEDICATED CONDUCTORS WITHIN A CABLE ASSEMBLY. ALL MC CABLES SHALL BE RUN OVER-HEAD ABOVE THE CEILING AND RACKED TOGETHER ON J-HOOKS. NO SPLICES IN ANY HOMERUN CABLES FROM FIRST RECEPTACLE TO BREAKER.

- (P4) THE RECEPTACLE BACKBOX AND SYSTEM CABLE JUNCTION BOX FOR ITEMS 180 AND 182 SHALL BE TURNED HORIZONTAL. REFER TO THE KITCHEN EQUIPMENT ROUGH-IN ELEVATIONS FOR ADDITIONAL INFORMATION.
- (1) SEE SHEET E2.3, ROOF ELECTRICAL PLAN, FOR THE LOCATION OF THE ICE MACHINE'S CONDENSER AND ADDITIONAL REQUIREMENTS.

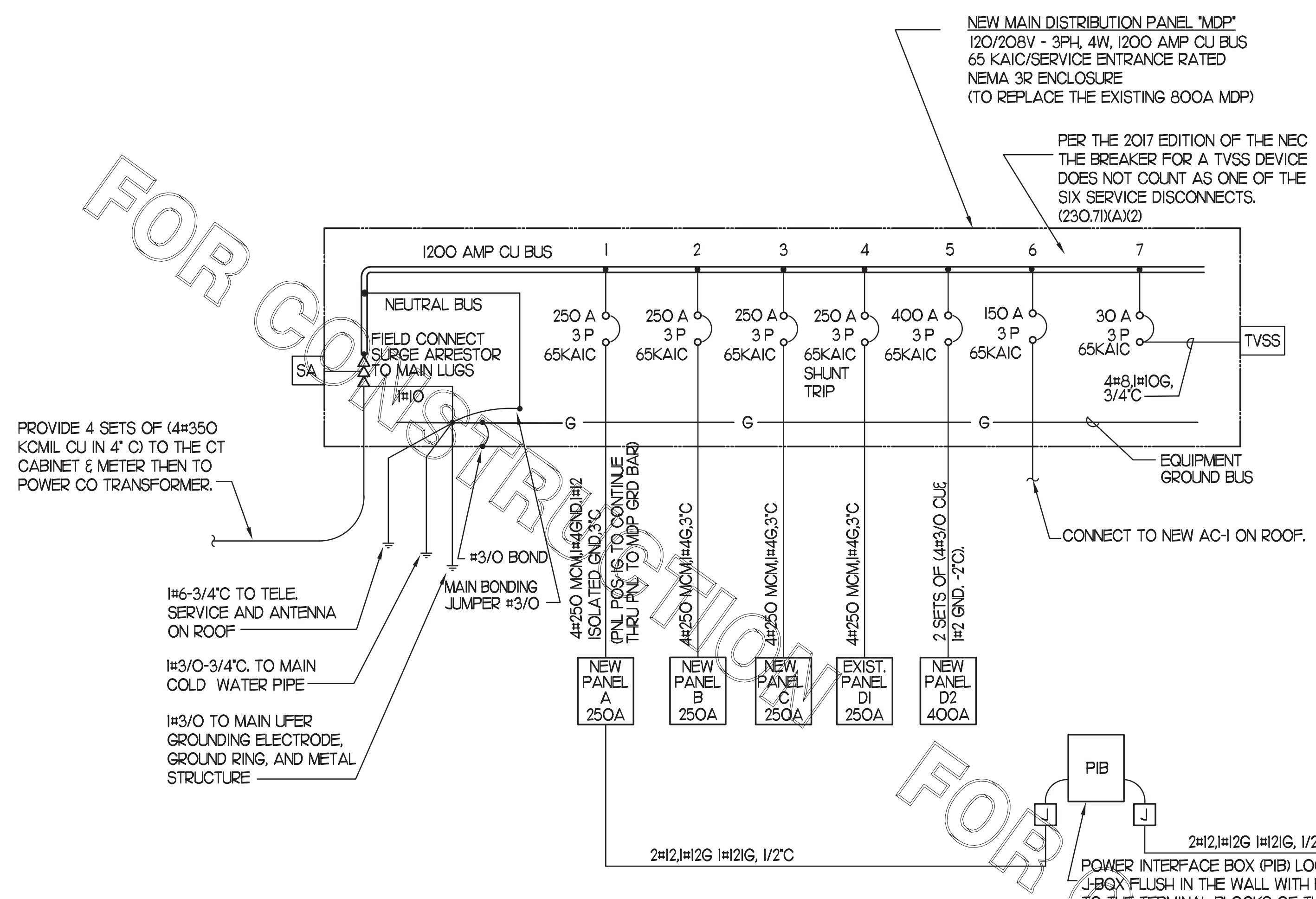
NOTE THE OFA T-500 CONTROL PANEL IS POWERED FROM A 120 VOLT, 20 AMP CKT IN PANEL-B

120 VOLT CONTROL LOOP, SEE NOTE #7 ON SHEET E2.4 FOR ADDITIONAL INFORMATION.

TO SHUNT-TRIP BREAKERS IN PANELS-D2 AND MDP FOR EQUIPMENT LOCATED UNDER THE EXHAUST HOODS. HOODS #1 AND #2

SNAP-ACTION SWITCHES ARE SHOWN IN THE ARMED POSITION (TYP OF FOUR)

FOR CONSTRUCTION



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.

PER INFORMATION RECEIVED FROM THE FIELD AT TIME OF DESIGN, ALL EXISTING PANELS ARE SQUARE SIEMENS

VOLTAGE DROP CALCULATIONS															
CIRCUIT		VOLTS (L-N)	VOLTS (L-L)	PHASE	AMPS	CIRCUIT WIRES	SYSTEM p.f.	WIRE SIZE (AWG or kcmil)	WIRE TYPE (CU, AL)	CONDUIT TYPE (STL, PVC, etc)	ONE-WAY LENGTH (FT.)	INCREMENTAL VOLTAGE DROP (volts)	INCREMENTAL VOLTAGE DROP (%)	TOTAL V.D. FROM SOURCE (volts)	TOTAL V.D. AT LOAD (%)
TRANSFORMER	PANEL MDP	208	208	3	992.0	4	0.90	350	CU	PVC	36	0.80	0.4%	0.80	0.4%
PANEL MDP	PANEL C	208	208	3	207.0	1	0.90	250	CU	STL	60	1.53	0.7%	2.33	1.1%
PANEL C	SIGN	120	120	1	10.0	1	0.90	12	CU	STL	60	2.19	1.8%	2.19	1.8%

1 SINGLE LINE DIAGRAM

3 SINGLE LINE DIAGRAM NOTES

- VERIFY SERVICE LOCATIONS AND CONFORM TO THE REQUIREMENTS OF THE POWER COMPANY AND/OR DEVELOPER. POWER COMPANY AND/OR DEVELOPER SHALL BE CONTACTED PRIOR TO BEGINNING CONSTRUCTION TO ARRANGE AND VERIFY FOR THE INSTALLATION OF THE POWER COMPANY SERVICE, METER AND OTHER ITEMS.
- GROUND ALL EQUIPMENT AND SERVICES IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LOCAL APPLICABLE CODES, AND ALSO AS INDICATED ON DRAWINGS.
- MAKE THE NECESSARY INSPECTIONS OF EXISTING SITE AND SERVICE LOCATIONS AS REQUIRED FOR THIS WORK AND MAKE ALLOWANCE FOR EXISTING CONDITIONS BEFORE SUBMITTING BID. VERIFY WORK REQUIRED WITH POWER COMPANY AND TELEPHONE COMPANY.
- CUT AND PATCH THE CONSTRUCTION WORK AS REQUIRED FOR PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL MATCH THE SURROUNDING WORK TO THE SATISFACTION OF THE ARCHITECT. ALL CONDUIT SHALL BE INSTALLED CONCEALED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. COORDINATE SAW CUTTING WITH LANDLORD'S OR OWNER'S REPRESENTATIVE.
- WIRE AND CABLE:
 - CONDUCTORS SHALL BE COPPER, #12 AWG, MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE.
 - CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID AND #8 AWG AND LARGER SHALL BE STRANDED. INSULATION SHALL BE 600 VOLT, THHN/THWN.
- PROVIDE ENGRAVED LAMINATED PHENOLIC BLACK-ON-WHITE (UNLESS NOTED OTHERWISE) NAMEPLATES SECURED TO EQUIPMENT WITH ADHESIVE AND SCREWS FOR PANELBOARDS, RELAY CABINETS, TRANSFORMERS, DISTRIBUTION BOARDS, AND MAIN PANELBOARD - IDENTIFYING EQUIPMENT DESIGNATION (CORRESPONDING WITH DESIGNATION USED ON DRAWINGS) AND EQUIPMENT VOLTAGE. LETTERING SHALL BE 1/4" HIGH. PROVIDE LABELS FOR CIRCUIT BREAKERS, FUSIBLE SWITCHES AND STARTERS IN PANELBOARDS AND DISTRIBUTION BOARDS FOR EACH DEVICE IDENTIFYING EQUIPMENT CONTROLLED. LETTERING SHALL BE 1/8" HIGH.
- ALL DEVICES SHALL HAVE AN INTERRUPTING CAPACITY NOT LESS THAN THE POWER COMPANY AVAILABLE FAULT CURRENT, OR AS INDICATED ON THE DRAWINGS.
- 120/208 VOLT BRANCH CIRCUIT PANELBOARD BREAKERS SHALL HAVE A MINIMUM UL SERIES RATING OF 65 KAIC WITH UP-STREAM FEEDER BREAKERS AS NOTED.
- AVAILABLE SPACE FOR MAIN PANELBOARD IS LIMITED. PANELBOARD MUST FIT IN ALLOCATED SPACE. COORDINATE WITH CONSTRUCTION AS REQUIRED.
- ALL WIRING SHALL BE IN CONDUIT, E.M.T. OR RIGID. FLEXIBLE CONDUIT MAY ONLY BE USE FOR FINAL CONNECTIONS AND WITH GREEN EQUIPMENT GROUNDING CONDUCTOR.

4 SWITCHGEAR AND CONTROL EQUIPMENT NOTES:

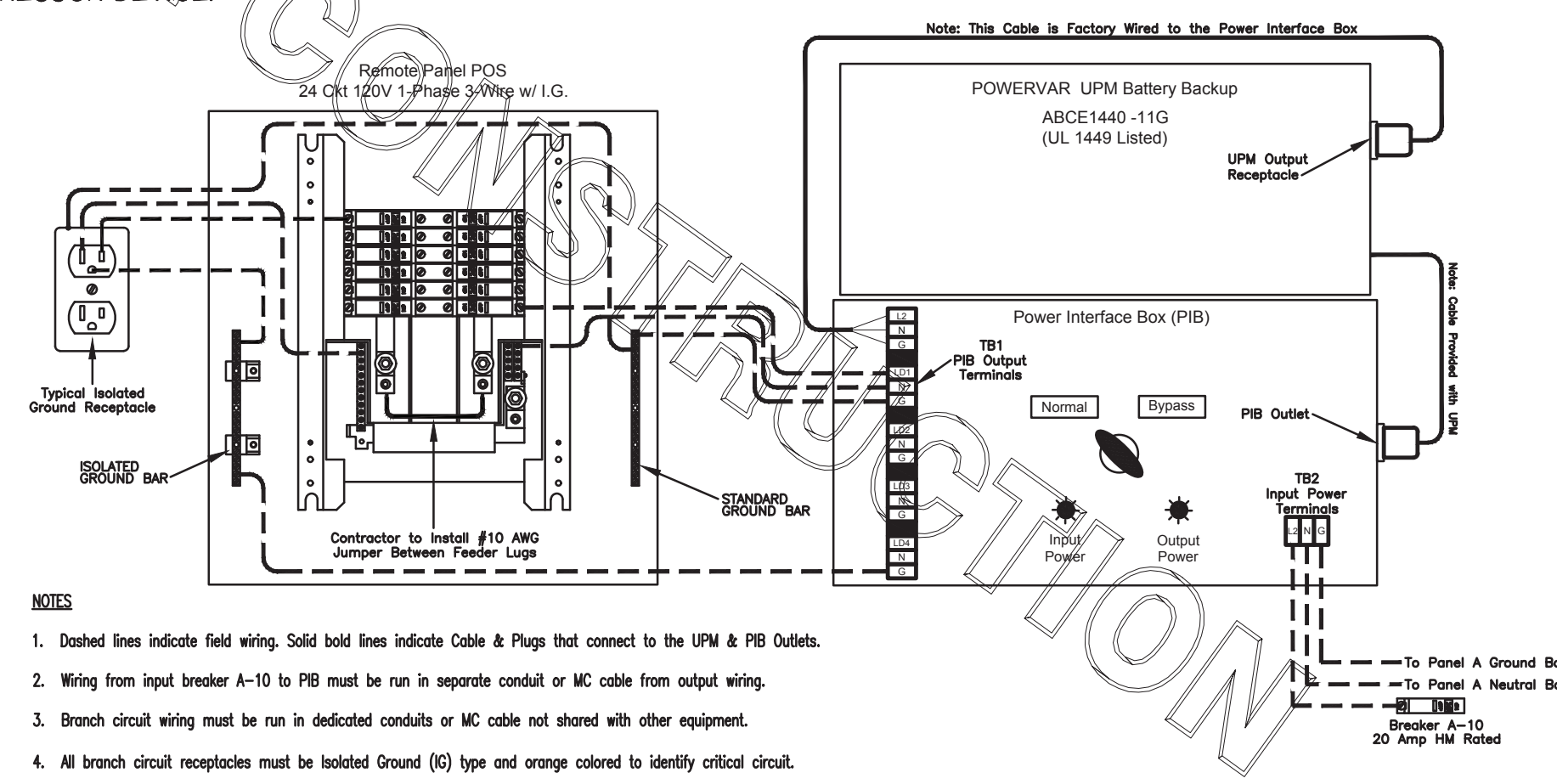
- PURCHASE PANELBOARDS, SURGE ARRESTOR, AND TVSS FROM ONE OF THE TWO NATIONAL ACCOUNTS VENDORS (SEE SHEET E4.2 SECTION C16440, PANELBOARDS) PROVIDING SIEMENS OR SQUARE D EQUIPMENT NO SUBSTITUTIONS ALLOWED
- PURCHASE CONTROL PANEL "CFA-1500" OR ANY ADDITION SUB PANELS FROM SUNCOAST ENVIRONMENTAL, INC. (NO SUBSTITUTIONS ALLOWED) ALL EQUIPMENT IN THE CONTROL PANEL SHALL BE INSTALLED, WIRED AND CONNECTED AT THE FACTORY, INCLUDING AUTOMATIC LIGHTING CONTROL SYSTEM, LIGHTING RELAYS, HVAC STARTERS, POWER SUPPLIES, MISCELLANEOUS RELAYS AND CONTROLS, AND THERMOSTATS. CONTACT: SCOTT DYER (877)544-6679. CONTRACTOR SHALL PROVIDE PANEL FEEDERS A, B, C, D, D2 & POS BRANCH CIRCUIT CONDUIT AND WIRE, AND INSTALL ALL EQUIPMENT AS REQUIRED. ALL BREAKERS AND PANELS SHALL BE SIEMENS OR SQUARE D. DEPENDING ON THE CHICK-FILA REGION THE STORE IS LOCATED. SQUARE D EQUIPMENT: CONTACT GRAY BAR. SIEMENS EQUIPMENT: CONTACT SUNCOAST. SCOTT DYER (877)544-6679. TVSS AND SURGE ARRESTOR UNITS SHALL BE MOUNTED DIRECTLY ADJACENT TO THE SIDE OF THE MAIN DISTRIBUTION PANEL IN NEMA 3R ENCLOSURES. CLOSE NIPPLE THE UNITS TO THE SIDE OF THE PANEL. PROVIDE CONNECTION OF TVSS UNIT TO BREAKER IN PANEL. CONNECT SURGE ARRESTOR TO MAIN INCOMING LUGS OF THE PANEL. CONNECT USING MINIMUM LENGTH OF WIRE WITHOUT SHARP BENDS IN THE WIRE AND NOT BE LENGTHENED FROM WIRE LENGTH PROVIDED WITH THE TVSS OR SURGE SUPPRESSOR DEVICE.

LOAD SUMMARY		
(NOT ALL ELECTRIC RESTAURANT)		
THE FOLLOWING IS BASED ON NEC 2008-220.88 / 2008-220.88 / 2011-220.88/2014-220.88/2017-220.88		
LIGHTING	25383	
RECEPTS TO 10 KVA	10000	
RECEPTS REMAINING	5330	
SPACE HEATING	0	
AIR CONDITIONING	99412	
NON-SEASONAL MOTORS	14459	
WATER HEATER	240	
KITCHEN EQUIPMENT	358273	
CONTINUOUS LOADS	0	
NON-CONTINUOUS LOADS	0	
TOTAL CONNECTED KVA	513.1	KVA
IF TOTAL IS 0-200 KVA, THEN TOTAL LOAD 100%		
IF TOTAL IS 201-325 KVA, THEN LOAD OVER 200 AT 50% + 200		
IF TOTAL LOAD IS 326-800 KVA, THEN LOAD OVER 325 AT 45% + 262.5		
IF TOTAL LOAD IS OVER 800 KVA, THEN LOAD OVER 800 AT 20% + 476.3		
DIVERSIFIED AMPS AT 208 VOLT	963.6	AMPS

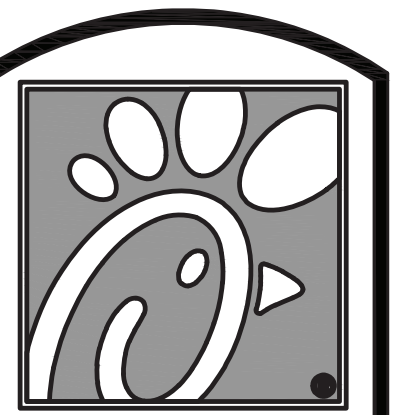
2 CONDUIT AND CONDUCTORS SCHEDULE (Based on 2005, 2008, 2011, 2014 and 2017 NEC)

Mark No.	OCP Device (Amp)	Conductors		Phase & Neutral		Min Eq	Grd	No. Sets	Raceway Size (nominal inches)						
		60d C	75d C	Qty	Type				Qty	Type	EMT	IMC	RIGID	PVC	
1	20	20	-	2	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75
2	20	20	-	3	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75
3	20	20	-	4	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75
4	25	30	-	2	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
5	25	30	-	3	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
6	25	30	-	4	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
7	30	30	-	2	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
8	30	30	-	3	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
9	30	30	-	4	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
10	40	40	-	2	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
11	40	40	-	3	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
12	40	40	-	4	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	1.00
13	50	55	-	2	6	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75
14	50	55	-	3	6	THHN	1	10	One	0.75	0.75	0.75	0.75	1.00	1.00
15	50	55	-	4	6	THHN	1	10	One	1.00	1.00	1.00	1.00	1.00	1.00
16	60	70	-	2	4	THW	1	8	One	1.00	1.00	1.00	1.00	1.00	1.25
17	60	70	-	3	4	THW	1	8	One	1.25	1.00	1.25	1.25	1.25	1.25
18	60	70	-	4	4	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25
19	70	70	-	2	4	THW	1	8	One	1.00	1.00	1.00	1.00	1.00	1.25
20	70	70	-	3	4	THW	1	8	One	1.25	1.00	1.25	1.25	1.25	1.25
21	70	70	-	4	4	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25
22	80	85	-	3	3	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25
23	80	85	-	4	3	THW	1	8	One	1.25	1.25	1.25	1.25	1.50	1.25
24	90	95	-	3	2	THW	1	8	One	1.25	1.25	1.25	1.25	1.50	1.50
25	90	95	-	4	2	THW	1	8	One	1.50	1.25	1.50	1.50	1.50	1.50
26	100	110	-	3	1	THW	1	6	One	1.50	1.50	1.50	1.50	2.00	2.00
27	100	110	-	4	1	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00
28	110	-	115	3	2	THW	1	6	One	1.25	1.25	1.25	1.25	1.50	1.50
29	110	-	115	4	2	THW	1	6	One	1.50	1.25	1.50	1.50	1.50	1.50
30	125	-	130	3	1	THW	1	6	One	1.50	1.50	1.50	1.50	2.00	2.00
31	125	-	130	4	1	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00
32	150	-	150	3	1/0	THW	1	6	One	2.00	1.50	2.00	2.00	2.00	2.00
33	150	-	150	4	1/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00
34	175	-	175	3	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00
35	175	-	175	4	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50
36	200	-	200	3	3/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50
37	200	-	200	4	3/0	THW	1	6	One	2.50	2.50	2.50	2.50	2.50	2.50
38	225	-	230	3	4/0	THW	1	4	One	2.50	2.00	2.50	2.50	2.50	2.50
39	225	-	230	4	4/0	THW	1	4	One	2.50	2.50	2.50	2.50	3.00	3.00
40	250	-	255	4	250	THW	1	4	One	2.50	3.00	3.00	3.00	3.00	3.00
41A	300	-	285	4	300	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	3.00
41B	300	-	310	4	350	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	3.00
42A	350	-	335	4	400	THW	1	4	One	3.00	3.50	3.50	3.50	3.50	3.50
42B	350	-	380	4	500	THW	1	4	One	3.50	3.50	3.50	3.50	3.50	3.50
43A	400	-	380	4	500	THW	1	3	One	3.50	3.50	3.50	3.50	3.50	3.50
43B	400	-	400	4	3/0	THW	2	3	Two	2.50	2.50	2.50	2.50	2.50	2.50
44A	600	-	570	4	300	THW	2	1	Two	3.00	3.00	3.00	3.00	3.00	3.00
44B	600	-	620	4	350	THW	2	1	Two	3.00	3.00	3.00	3.00	3.00	3.50
45A	800	-	760	4	500	THW	2	1/0	Two	3.50	3.50	3.50	3.50	3.50	3.50
45B	800	-	820	4	600	THW	2	1/0	Two	4.00	4.00	4.00	4.00	4.00	4.00
46	1000	-	1005	4	400	THW	3	2/0	Three	3.50	3.50	3.50	3.50	3.50	3.50
47	1200	-	1240	4	350	THW	4	3/0	Four	3.50	3.50	3.50	3.50	3.50	4.00
48	1800	-	1675	4	400	THW	5	4/0	Five	4.00	4.00	4.00	4.00	4.00	4.00

Notes:
Conductors are rated at 600 volt or below and are to be copper.
NEC Table 310.16 (310.15(B)(16) in 2014) is used for the basis of the conductor ampacities, which is not more than three current carrying conductors in a raceway at an ambient temperature of 30 deg C with 60 deg C rated conductors and connectors per 110.14-C-1 for up to 100 amp rated and up to #1 AWG conductors for equipment terminations and 75 deg C rated conductors and termination connectors for larger than 100 amp or above #1 AWG conductors.
NEC Tables 4, 5, and Appendix C is used for the basis of the conduit sizes. Table C1 for EMT, Table C4 for IMC, Table C8 for Rigid, and Table C10 for PVC (Sch 40).
All Branch Feeders and Branch Circuits shall include a green Equipment Grounding Conductor.
Omit Grounding conductor on Service Entrance Feeders.
Omit Neutral conductor on all Delta primary transformer feeders or 3 phase loads not requiring a neutral.
The above conductors are not calculated for Voltage Drop. Any circuits that exceed 100 feet shall be calculated by the Installer to have less than a three percent voltage drop on feeders and five percent on branch circuits per the NEC.



POWERVAR LAPC with POWER INTERFACE BOX (PIB) and Panel POS Wiring Diagram



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

Mark	Date	By

SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8640
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
SINGLE LINE
RISER DIAGRAM

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : SN
Checked By : MI

Sheet

E3.2

SECTION C16124
SUPPORTING DEVICES AND HANGERS

PART 1 - PRODUCTS

1.01 ACCEPTABLE MANUFACTURERS

- A. Supporting devices and hangers shall be manufactured by RACO Fasteners, or approved equivalent.

PART 2 - EXECUTION

2.01 INSTALLATION

- A. Secure conduits to within 3' of each outlet box, junction box, cabinet, fitting, etc., and at intervals not to exceed ten feet (10'), and in accordance with the National Electric Code. In seismic zones, support conduits 1" and under at 6' intervals.

- B. Install clamps secured to structure for feeder and other conduits routed against the structure. Use drop rods and hangers or racks to support conduits run apart from the structure.

- C. Provide and install suitable angle iron, channel iron or steel metal framing with accessories to support or brace electrical equipment including safety switches, fixtures, panelboards, etc.

- D. Use of chains, perforated iron, baling wire, or tie wire for supporting conduit runs is not permitted.

- E. For support of low voltage wiring not required to be in conduit, bundle cables together in a neat manner using approved nylon tie wraps. Bundled cables shall be supported with "J" hooks on telephone type bridle rings, a minimum of 6 feet on centers. Clearly identify all differing types of cables being run and tag with tape tags regarding telephone, POS System, music/communication, security, etc. for various system utilizing said cable. Identification tape shall be provided at minimum intervals of 25 feet on center and within each building space.

- F. Provide a system of supporting devices and hangers to insure secure support or bracing for conduit, electrical equipment, including safety switches, fixtures, panelboards, outlet boxes, junction boxes, cabinets, etc.

SECTION C16140
WIRING DEVICES AND PLATES

PART 1 - PRODUCTS

1.01 WALL SWITCHES

- a. Shall be purchased from the National Accounts Vendor indicated on the plans.
- B. Ratings: 20 amps, 120/277 volts a.c. or as identified on drawings.
- C. Devices: (Cooper/Arrow Hart catalog numbers are listed unless noted otherwise):
 - 1. Single pole toggle switches:
 - 20 AMP device - #AH1221-GY (Kitchen) or #AH1221-B (Dining)
 - 20 AMP Pilot lights illuminated with load on - #AH1221-PL
 - 2. Double pole toggle switches:
 - 20 AMP device - #AH1222-GY (Kitchen) or #AH1222-B (Dining)

1.02 RECEPTACLES

- A. Shall be purchased from the National Accounts Vendor indicated on the plans.
- B. Devices: (Cooper/Arrow Hart catalog numbers are listed unless otherwise noted):
 - 1. Specification grade devices (grey device color in Kitchen, brown device color in Dining, and orange for IG type) to be 20 amp, 125 volts, a.c. receptacles:
 - Single (simplex) device: #1877-GY (Kitchen) or #1877-B (Dining)
 - Duplex device: #CR20-GY (Kitchen) or #CR20-B (Dining)
 - Tamper resistant duplex device: #TR8200-B (Dining)
 - GF (ground-fault circuit interrupter) duplex device: #VGF20-GY (Kitchen) or #VGF20-B (Dining)
 - IG (isolated ground) duplex device: #IG5362-RN (orange face)

1.03 SPECIAL DEVICES

- A. Manual motor starter switch: SQ. D Class 2510, Type F, for use on motors up to 3/4 horsepower. Provide NEMA 1 enclosure in dry locations; provide NEMA 3R enclosure in wet or exterior locations.

1.04 WALL PLATES

- A. Provide Cooper/Arrow Hart, or approved equal, smooth satin stainless steel 302-SS series for switches and receptacles in the Kitchen areas. All other areas shall be brown Nylon plastic.
- B. Provide blank plates on all outlet boxes for future outlets, or outlets without devices. Plate style shall match device plates.

- C. Provide non-metallic weatherproof covers for duplex GF receptacles located outside or in wet locations that feature "while-in-use" cover equivalent to Arrow Hart #WU-1.

- D. Where devices installed in exposed boxes or conduit fittings; provide properly designed plates and covers equal to Arrow Hart RS-Series exposed work covers.

- E. Install galvanized steel plates on outlet boxes and junction boxes in unfinished areas, above accessible ceilings, and on surface mounted boxes.

PART 2 - EXECUTION

2.01 INSTALLATION

- A. Mounting
 1. Mount switches and receptacles at height above finished floor as indicated on plans, and legend.
 2. Mount switches on strike side of door maximum 8" from door frame. Outlet box for switch shall be located clear of door frame. Coordinate with architectural plans prior to rough-in.
 3. Install switches with off position down.
 4. Do not use the feed thru feature for the GF Type receptacle, unless required by the plans.
 5. Use jumbo sized plates for outlets installed in masonry walls.
 6. Each receptacle shall be provided with a #12 green grounding jumper between the ground terminal of the receptacle and the outlet box.
 7. The grounding conductor to each receptacle shall be installed such that the removal of the device will not interfere with the continuity of the ground.

- B. Testing
 1. Test each switch and verify proper operation with energized circuit.
 2. Test each receptacle for proper polarity on energized circuit.
 3. Test each GF receptacle with a GF receptacle tester and verify circuit is opened by GF device at milli-ampere ranges established by the manufacturer.

SECTION C16440
PANELBOARDS

PART 1 - PRODUCTS

1.01 MANUFACTURER (VIA CHICK-FIL-A NATIONAL ACCOUNTS PROGRAM)

- A. Siemens (West, Midwest and Southwest Regions) from Suncoast Environmental Controls (SEC), Scott DYER (877) 544-6679.
- B. Square-D (Northeast, Atlantic, and Southeast Regions) from Accu-serv, Bob Harpring (502)961-0096

1.02 PANELBOARD FEATURES

- A. Panelboards shall have a minimum symmetrical interrupting rating to meet or exceed the available symmetrical interrupting fault current at the device intended to interrupt current.
- B. Bus bars shall be copper or tin plated aluminum.

- C. Provide factory-installed copper ground bus in each panelboard with lugs or connectors on bar.

- D. Provide electrically isolated, factory installed, neutral bus in each 3 phase, 4 wire or 1 phase 3 wire panelboard.

- E. In addition to the ground bus required by paragraph 1.02D (above), provide factory installed, electrically isolated, copper ground bus in each panelboard serving isolated ground receptacles.

- F. Main lugs and main circuit breaker lugs shall be UL Listed for use with both aluminum and copper conductors.

- G. Provide panelboard doors with chrome-plated locks and catches. All locks shall be keyed alike. Provide two keys for each lock.

- H. Provide thermal-magnetic circuit breakers which are rated for 40 degrees C ambient temperature. Breakers shall be quick-make, quick-break type trip with trip indication shown by handle position other than on or off. Multi-pole breakers shall have a common trip handle. Tandem type circuit breakers shall not be permitted.

- I. Provide typed directory card with clear holder for each panelboard.

PART 2 - EXECUTION

2.01 INSTALLATION

- A. Panelboards shall be mounted at height above finished floor such that the height of the top-most breaker in the panel is not more than 6-1/2 feet above finished floor in its highest position per the NEC.

- B. Where multiple panelboards are installed on walls in common areas of buildings, the panelboards shall be installed with the top of all panelboards at the same height.

- C. Provide blank filler plates over all unused spaces in panelboards.

- D. A typed directory card shall indicate devices being served and the space name where the device is located.

- E. Provide minimum of one (1) 3/4" empty spare conduit for every 3 poles of spare breaker or space in the panelboard. Stub conduit to nearest accessible ceiling space. Label conduit as spare at panelboard and termination point.

- F. Non-isolated ground bars shall be grounded to panelboard can and main service entrance ground bus with a code sized grounding conductor installed in the same conduit as the phase and neutral conductors.

- G. Circuits using a common neutral shall be installed in accordance with the National Electric Code.

- H. Inspect each panelboard for proper installation, physical damage, lightness and installation of overcurrent devices. Verify proper color coding of conductors. Correct or repair all items found in inspection.

- I. Neutral wires, ground wires, and isolated ground wires shall be connected to the appropriate panel bus bar. Do not mix bus wire connections.

SECTION C16441
ENCLOSED SWITCHES

PART 1 - PRODUCTS

1.01 MANUFACTURERS

- A. Square D.
- B. General Electric.
- C. Siemens

1.02 ENCLOSED SWITCHES

- A. Nonfusible switch assemblies: NEMA KS 1, General Duty Type for 208 volt load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front cover with switch in on position. Handle lockable in off position. Provide equipment ground lug in each switch.
- B. Enclosures: NEMA KS 1.
 1. Interior dry locations: Type 1.
 2. Exterior locations: Type 3R.

SECTION C16442
UTILITY SERVICE ENTRANCE AND DISTRIBUTION SYSTEM

PART 1 - GENERAL

1.01 SYSTEM DESCRIPTION

- A. The underground electrical system service characteristics shall be 208Y/120 volts, Three Phase, Four Wire service and shall extend from utility company transformer secondary.

- B. Metering of electrical usage shall be located as required by local electrical utility company. Coordinate requirements with local utility company.

- C. Distribution system originates at secondary of utility transformer and includes service entrance conduit and conductors, distribution equipment, lighting panelboards, utilization equipment, overcurrent devices, disconnecting means, controls, branch and feeder circuits, etc.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Furnish service entrance conduit, cable, and miscellaneous hardware as required by plans and specifications for electrical service entrance and system grounding at main electrical service.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Coordinate exact locations of electrical service utility transformer, metering equipment, service lateral, etc. prior to commencement of installation. Contact engineer with conflicts prior to bid.

- B. Ensure pad mounted transformer is not located within roadway or sidewalk.

- C. Coordinate with local electrical utility for all utility company requirements and provide for the following items and any others required by the utility:
 1. Concrete pad for utility transformer with required dimensions and details.
 2. Primary underground conduit, excavation, and backfill requirements.
 3. Pay for all fees associated with establishment of electrical service.
 4. Furnish list of loads to the electrical utility company serving the facility.
 5. Verify that utility company clearances are provided on all sides of utility equipment.

- D. Ensure proper access to utility equipment is maintained.
- E. Provide pull rope, excavation in accordance with electrical utility company requirements, backfill and concrete envelope for primary in accordance with electrical utility company requirements. Turn conduits up riser pole as required. cap spare conduits 12 inches above grade with plumbers pipe cap.

- F. Provide secondary lugs on utility transformer and perform drilling and installation of lugs in accordance with utility requirements. Type of lugs shall be in accordance with electrical utility company requirements. Connect service conductor to transformer secondary lugs as directed by electrical utility.

SECTION C16500
LIGHTING FIXTURES (LUMINAIRES)

PART 1 - GENERAL

- 1.01 ACCEPTABLE MANUFACTURERS AND VENDORS
 - A. Lighting fixtures indicated on lighting fixture schedule are to be purchased from the National Account Vendor for the region of the project (verify region designation with Owner's Representative):
 1. Accu-Serv Lighting - North region and Southeast region. Contact at Accu-Serv: Bob Harpring at 877-707-7378, fax - 502-961-0357, email - bharpring@accu-serv.com
 2. Villa Lighting - Central region, Southwest region, and West region. Contact at Villa Lighting: Dave Christanell at 800-325-0963, fax- 314-531-8720, email - davec@villalighting.com

- B. Ballasts to be electronic ballast provided with lighting fixture by the manufacturer.

- C. Lamps to be Osram-Sylvania and will typically be provided with the luminaire by the lighting manufacturer.

- H. Inspect each panelboard for proper installation, physical damage, lightness and installation of overcurrent devices. Verify proper color coding of conductors. Correct or repair all items found in inspection.

- I. Neutral wires, ground wires, and isolated ground wires shall be connected to the appropriate panel bus bar. Do not mix bus wire connections.

SECTION C16597
TELEPHONE SERVICE

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish and install raceway system for music/communications security, CCTV, POS, and other owner-furnished systems, consisting of empty conduits, junction boxes, outlet boxes, and device plates, etc., as specified and shown on owner selected vendor wiring schematics. Cable, equipment, and installation of the interior system will be provided by the owner's system vendor.

- C. Provide energy-saving Instant or Rapid Start lamps for all fluorescent fixtures.

- D. All lamps and ballasts shall meet or exceed the requirements of the National Energy Policy Act of 1992 and any other applicable Codes or Criteria.

- E. All components of recessed fixtures shall be accessible without disturbing fixture in or on ceiling.

- F. Energy saving ballasts and energy saving lamps provided shall be compatible for operation together.

- G. Exterior fixtures and poles shall be suitable for exterior use, shall be UL Listed, and shall be a standard design for exterior application.

- H. Exterior poles for fixtures with luminaires installed shall be designed for maximum constant velocity wind load with luminaires installed, applicable to the geographic area.

1.03 CONTROLS

- A. Lighting contactors shall be Square-D, General Electric, Cutler-Hammer or Siemens of types and quantity shown on drawings, except those furnished with the switchgear as part of the National Account Program by Suncoast Environmental Controls (SEC).

1.04 EMERGENCY LIGHTING UNITS

- A. Batteries shall supply emergency power for lighting with minimum operating time of 1-1/2 hours.
- B. Emergency lighting shall be automatically operational upon normal utility power failure.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Lighting fixtures shall be structurally supported. Fluorescent fixtures mounted in suspended ceilings shall be supported by and attached to ceiling system as required by NEC Article 410. In addition, fluorescent troffers shall be supported at two opposite corners to building structure.

- B. Recessed fixtures in dropped ceiling areas shall be connected to power source using flexible conduit. Flexible conduit shall contain a separate insulated green No. 12 copper ground wire. Flexible conduit shall be connected to junction box and fixture. Green ground wire shall provide ground continuity between conduit system and fixture. Grounding conductors shall be permanently and mechanically connected between fixture and conduit system so as to be electrically continuous.

- C. Fixtures surface mounted on exposed tee bar ceilings shall use grip clamps on tee bars to support fixtures.

- D. Wire shall be continuous from splice in outlet box of building wiring system to lamp socket or ballast terminals.

- E. Maintain the integrity of enclosures on enclosed and gasketed fixtures. Minimize the number of enclosure penetrations and make such penetrations water and dust tight with appropriate gaskets and fittings.

- F. Concrete bases shall be provided for all exterior ground mounted or pole mounted fixtures.

- G. Install accessories furnished with each fixture.

- H. Wiring from pole bases to pole mounted luminaire shall be No. 12 with fuse protection provided by a 30 amp, 600 volt waterproof fuseholder with Bussman "Limiter" fuse of ampere rating 3 times the load current.

- I. Surface and recessed fixtures on or in plastered or drywall ceilings shall be supported by support channels. Support channels shall span across main support channels and shall not depend upon ceilings for support.

3.02 FIELD QUALITY CONTROL

- A. Relamp fixtures that have failed lamps at substantial completion.

SECTION C16596
SPECIAL SYSTEMS

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish and install raceway system for music/communications security, CCTV, POS, and other owner-furnished systems, consisting of empty conduits, junction boxes, outlet boxes, and device plates, etc., as specified and shown on owner selected vendor wiring schematics. Cable, equipment, and installation of the interior system will be provided by the owner's system vendor.

- B. Interior system equipment will be furnished by Owner's Vendor.

- C. Install special backboxes furnished by Owner's Vendor. Coordinate with the Vendor for the installation. Coordinate with the Vendor if backboxes are to be contractor provided in order to provide and install the appropriate item for the Vendor.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Provide 4-11/16" square boxes, with plaster rings. Provide device plates for system outlets as specified in Section 16141. Provide separate conduit to nearest accessible ceiling space from each outlet.

- B. Cable shall be in conduit where installed in walls or inaccessible ceilings.

- C. Minimum conduit size shall be 3/4" .

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Furnish and install conduits, junction boxes, outlet boxes, and plates.
- B. Provide one #10 equivalent nylon pull wire in each system empty conduit.
- C. Provide a complete raceway system in accordance with interior system vendor requirements. Interior system vendor shall review the drawings. Contractor shall provide for any additional or varying requirements.
- D. Final connections and testing of systems will be provided by the system vendor. Contractor shall contact the owner's vendor and schedule the work so as to complete system installation and testing prior to occupancy of the facility.

- E. Terminate each conduit stub-up or termination with nylon insulated bushing.

SECTION C16597
TELEPHONE SERVICE

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish and install telephone system consisting of empty conduits, junction boxes, outlet boxes, device plates, etc., as specified and shown on owner selected vendor wiring schematics. Cable, equipment, and installation of the interior system will be provided by the owner's system vendor.

- B. Provide underground PVC, Schedule 40, service conduit as required by plans.

- C. Telephone Utility Company will provide service entrance cable.

- D. Interior telephone system will be furnished by owner's vendor.

- E. Special backboxes (unless otherwise noted) and faceplates will be furnished by the owner's vendor.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Provide 4-11/16" square boxes, with plaster rings. Provide device plates for telephone outlets to match those specified in wiring device section. Provide separate conduit to nearest accessible ceiling space from each outlet.

- B. Minimum conduit size shall be 3/4" .

- C. Provide lightning arrester for telephone service entrance at main telephone backboard in accordance with UL96A paragraph 11.2 and NFPA 780.

- D. Cable shall be in conduit where installed in walls or above inaccessible ceiling spaces.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Provide one #10 equivalent nylon pull wire in each empty telephone conduit.
- B. Provide trenching, backfilling, etc., for installation of service entrance conduit in accordance with other divisions, plans, and telephone utility requirements. Provide pull wire in empty conduit.

- C. Coordinate with the local utility for point of service and type of service required. Pay for any utility company charges and fees for establishment of service.

- D. Provide a complete raceway system in accordance with telephone utility company and interior system vendor/utility requirements. Telephone utility company and interior system vendor shall review the drawings. Contractor shall provide for any additional or varying requirements.

- E. Terminate each conduit stub-up or termination with nylon insulated bushings.

- F. Final connections and testing of system will be provided by the system vendor. Contractor shall contact the owner and vendor and schedule the work.

CLOSE OUT DOCUMENT REQUIREMENTS

Provide the following to the building owner upon completion of construction:

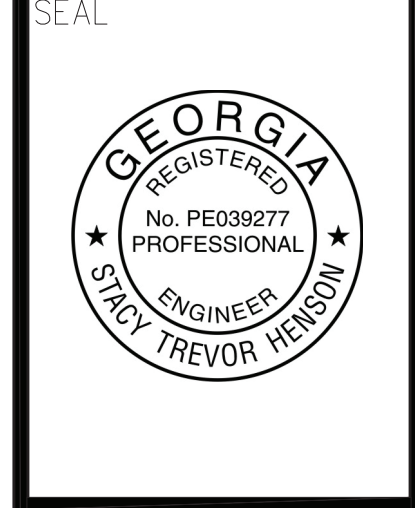
1. Submittal data stating equipment rating and selected options for each piece of equipment requiring maintenance.
2. Operation manuals and maintenance manuals for each piece of equipment requiring maintenance. Required routine maintenance actions shall be clearly identified.
3. Operating and maintenance manuals will be provided to owner by a electrical contractor in accordance to section C405.6.4.2 of FBCEC.
4. A complete narrative of how each system is intended to operate.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU

3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
ELECTRICAL
SPECIFICATIONS

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : MI
Checked By : SN

Sheet

E4.2



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
2 10/27/21 CH
DISHWASHER

REVISION
SEAL



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU

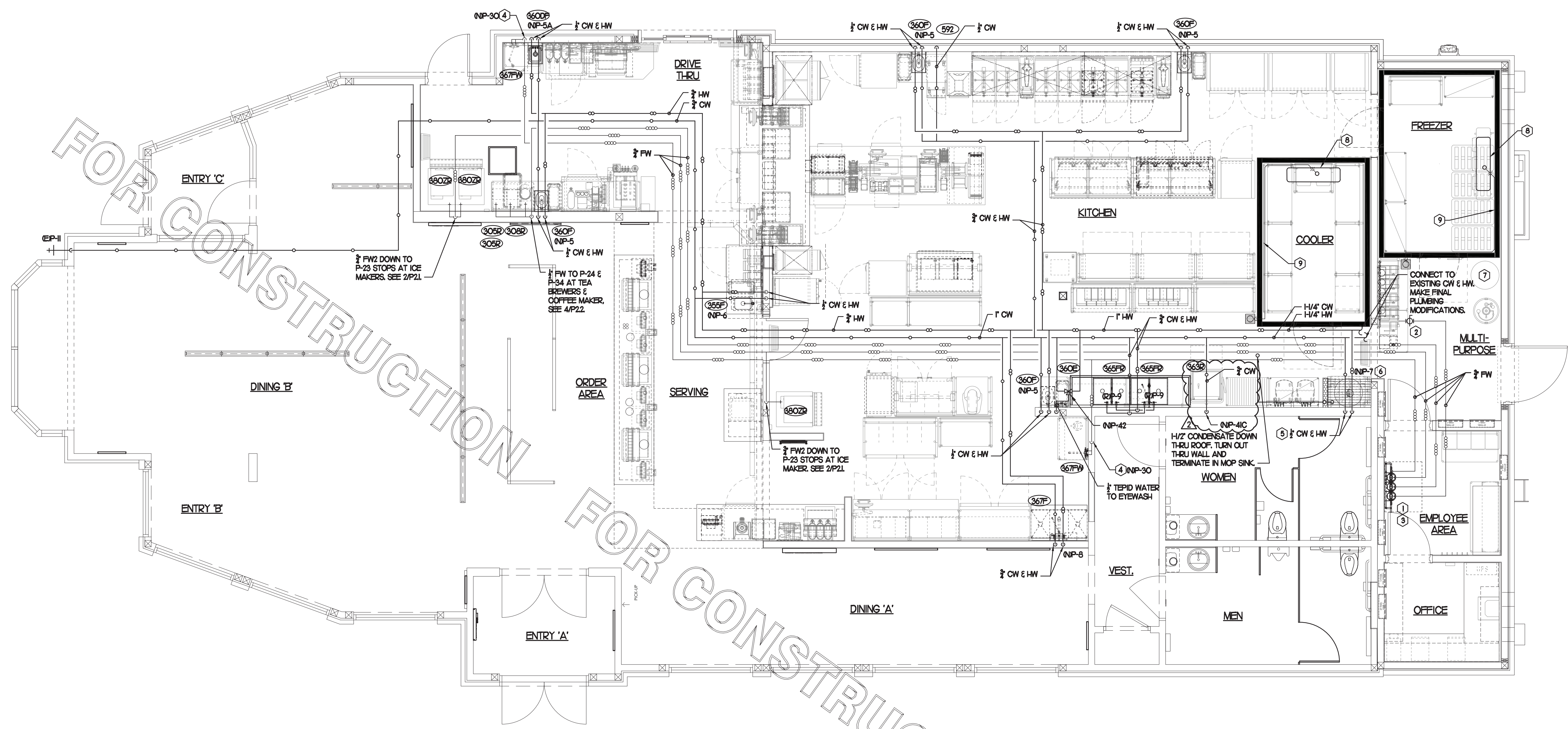
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
WATER PIPING
PLAN &
DETAILS

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By : DAK

Sheet
P2.1



KEY NOTES

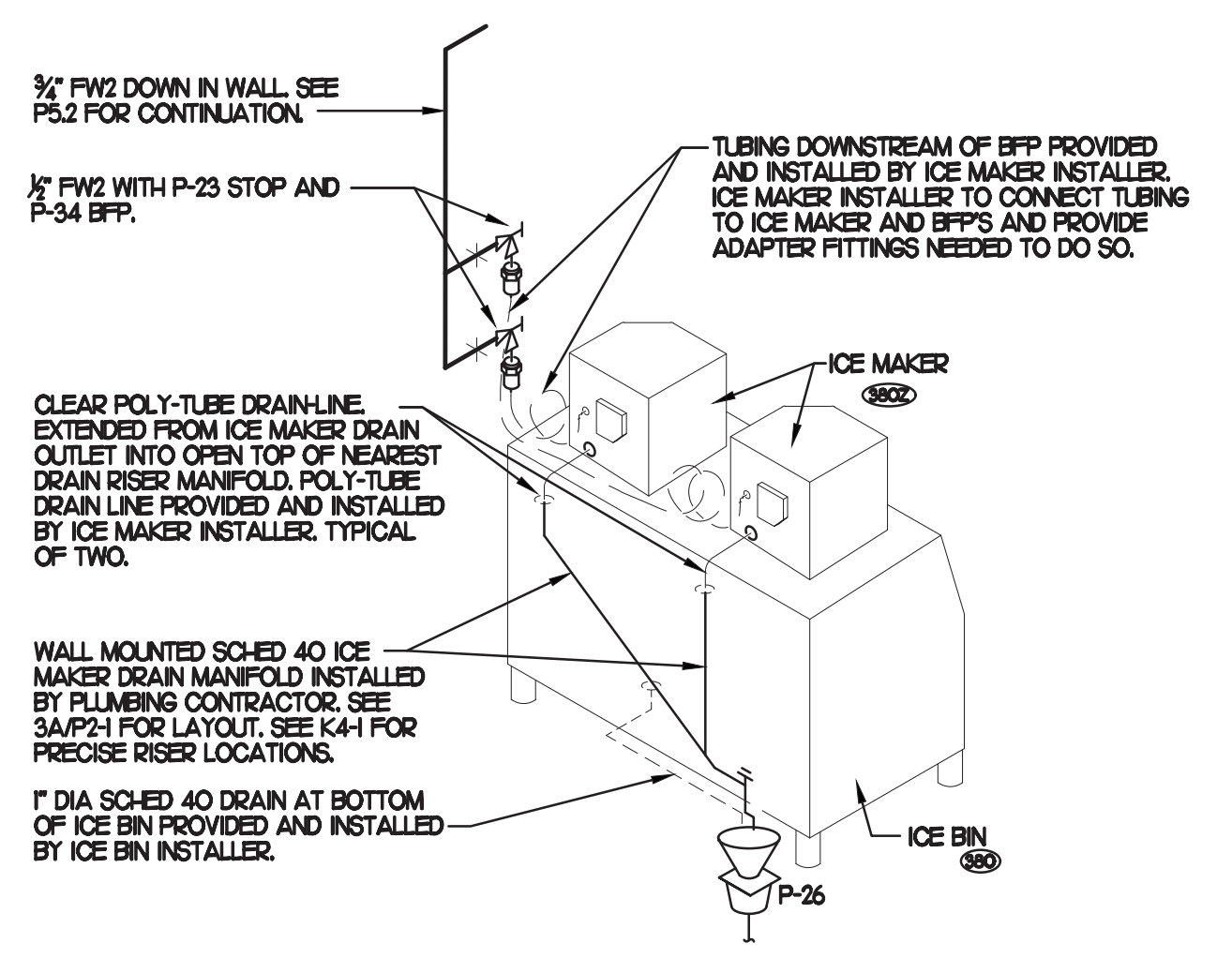
- 1 PROVIDE NEW WATER FILTERS TO REPLACE EXISTING. VERIFY EXACT LOCATION AND CONNECTIONS PRIOR TO BID & CONSTRUCTION. SEE DETAILS.
- 2 OWNER PROVIDED, PLUMBER INSTALLED STOP/BFP PANEL. SEE K-SHEET ELEVATIONS FOR EXACT LOCATION. PROVIDE EXPOSED 3/4" BALL VALVE AT CONNECTION TO PANEL. CONNECT 1" DIA SCHED 40 PVC TO FACTORY PROVIDED COUPLER MOUNTED ON BACK WALL AND ROUTE BFP DRAIN TIGHT TO WALL TO 12" A.F.F. EIGHT (8) ASSE 1022 RATED BFP'S. PIPING FROM BFP'S TO CARBONATES SHALL BE BY THE LOCAL SOFT DRINK VENDOR.
- 3 RUN NEW FW AND FW2 FROM NEW WATER FILTERS, AND DEMOLISH ALL EXISTING FW AND FW2.
- 4 3/4" FW DROP TO TWO-HANDLE FAUCET, P-30. 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.
- 5 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.
- 6 INSTALL P-16 3-WAY VALVE WITH BACKFLOW PREVENTER ON P-7 FAUCET SPOUT FOR CONNECTION TO ECOLAB DETERGENT DISPENSER. SEE DETAIL 4/P2.1.
- 7 EXISTING WATER HEATER TO BE REPLACED WITH NEW, P-19. SEE P7.1 FOR SPECIFICATION. SEE DETAILS ON P6.1 FOR PIPING CONNECTIONS TO WATER HEATER.
- 8 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 PERMAGLUM CLORD. TERMINATE ABOVE FUNNEL WITH ELBOW AND AIR GAP.
- 9 3/4" TYPE L COPPER. PROVIDE 12" OF FALL BEFORE PENETRATING WALL PANEL. COVER WITH 1-3/8" I.D. X 3/4" ARMACELL A/P ARMAFLEX OVER HEAT TRACE CABLE.

3. SHEET NOTES

1. COORDINATE VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT 90 AS TO MAINTAIN MINIMUM 10'-0" CLEARANCE.
2. HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING M.1 FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
3. SEE K-SHEET ELEVATIONS FOR KITCHEN EQUIPMENT LOCATIONS.
4. SEE SHEET P-2.2 FOR BEVERAGE CONDUIT PIPING.
5. SEE RISER DIAGRAM I/P5.1 FOR VENT PIPING. SEE ROOF PLAN I/P4.1 FOR VENT THRU ROOF (VTR) LOCATION.
6. 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.

1 WATER PIPING PLAN

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

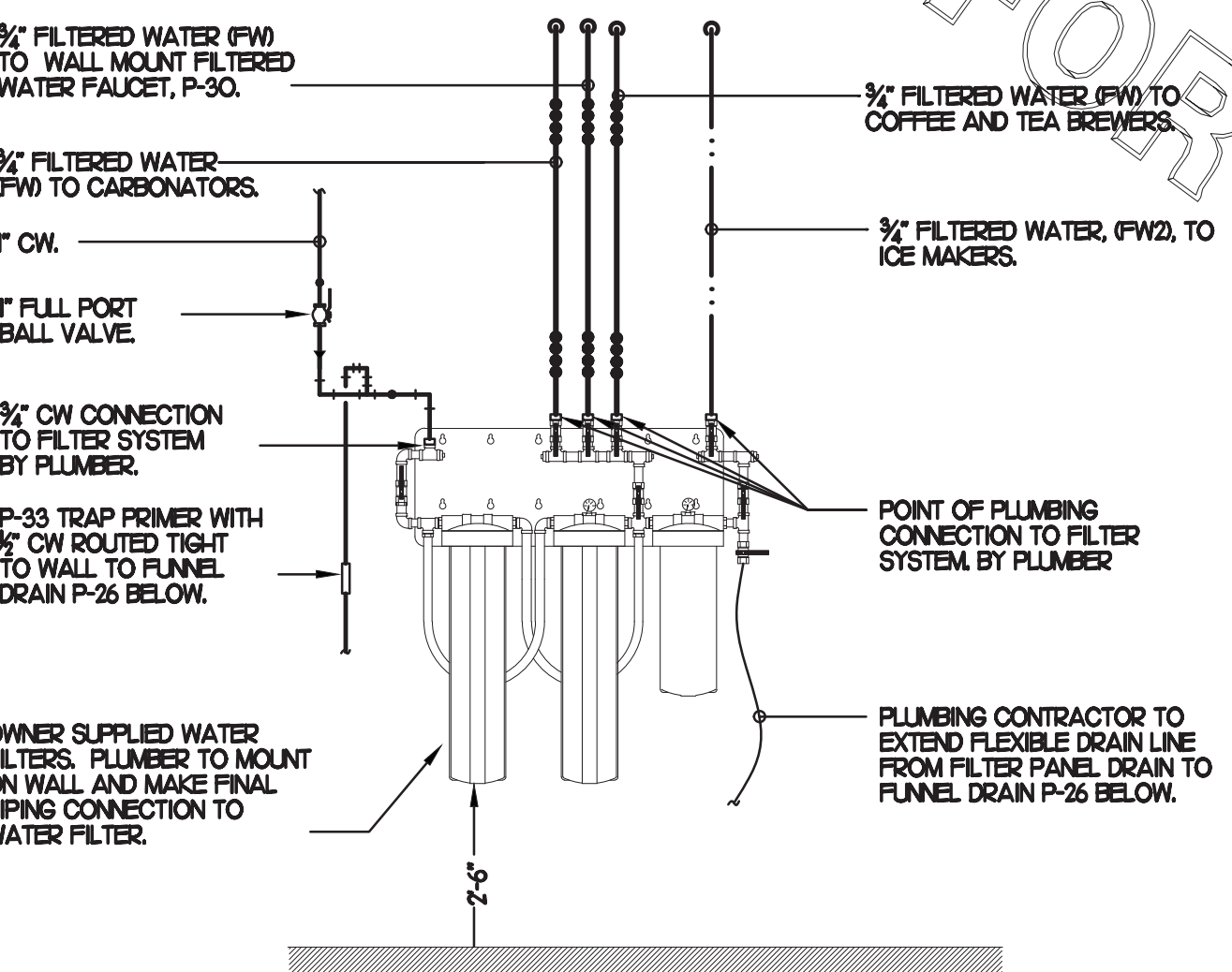


2 ICE MACHINE PIPING

NO SCALE

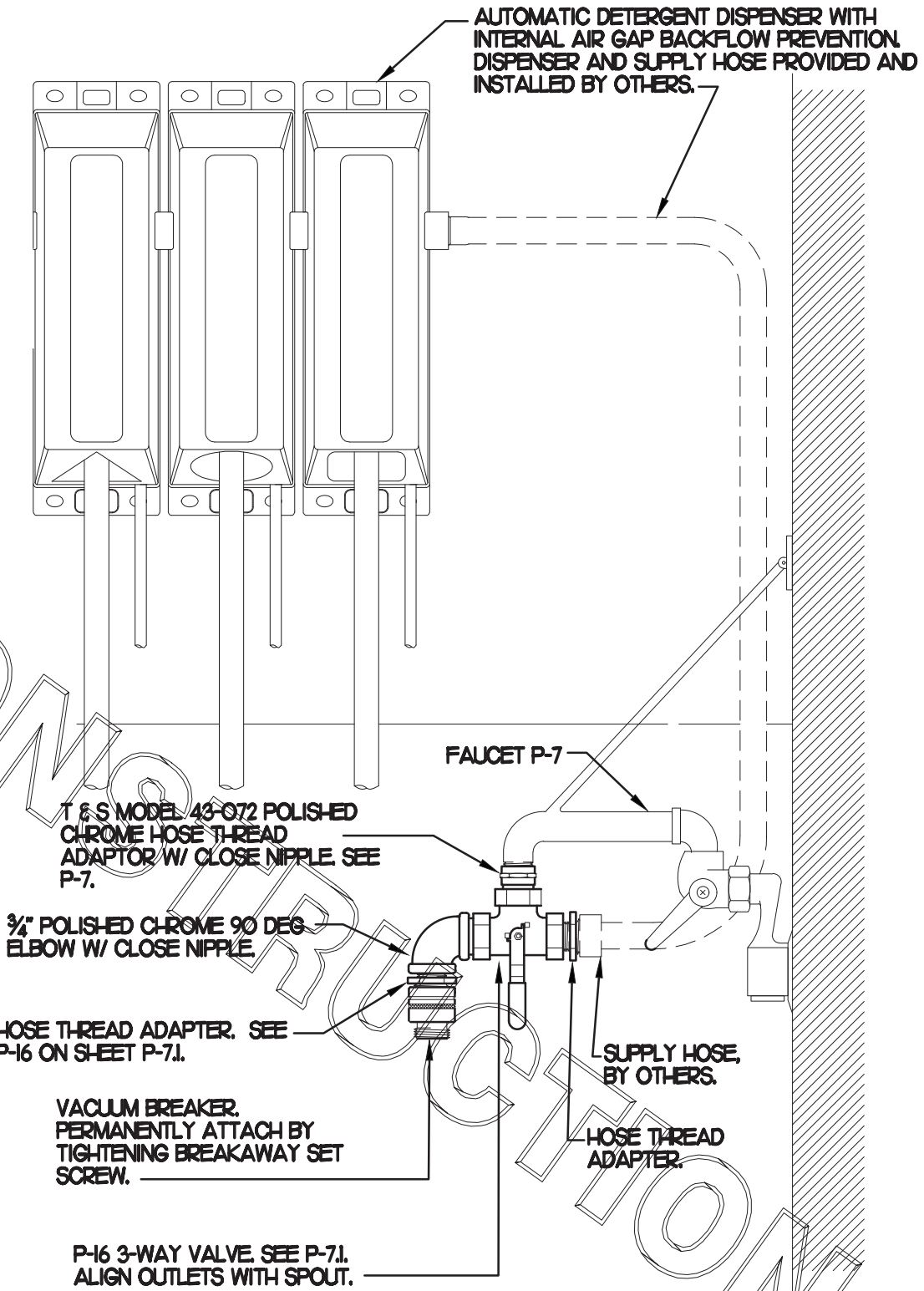
PIPING LEGEND

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



3 PIPING AT WATER FILTER

NO SCALE



4 3-WAY VALVE AT MOP SINK

NO SCALE

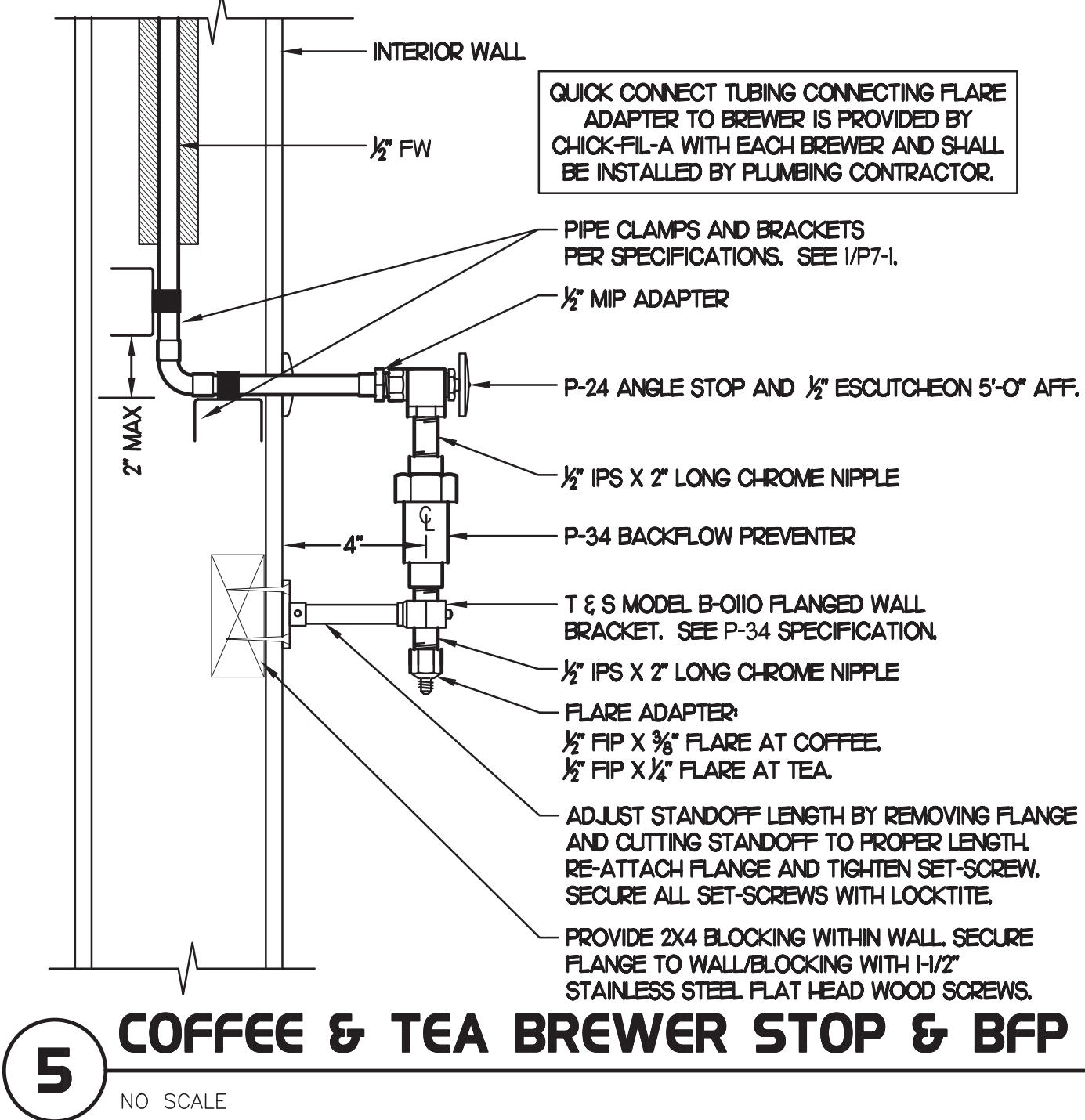
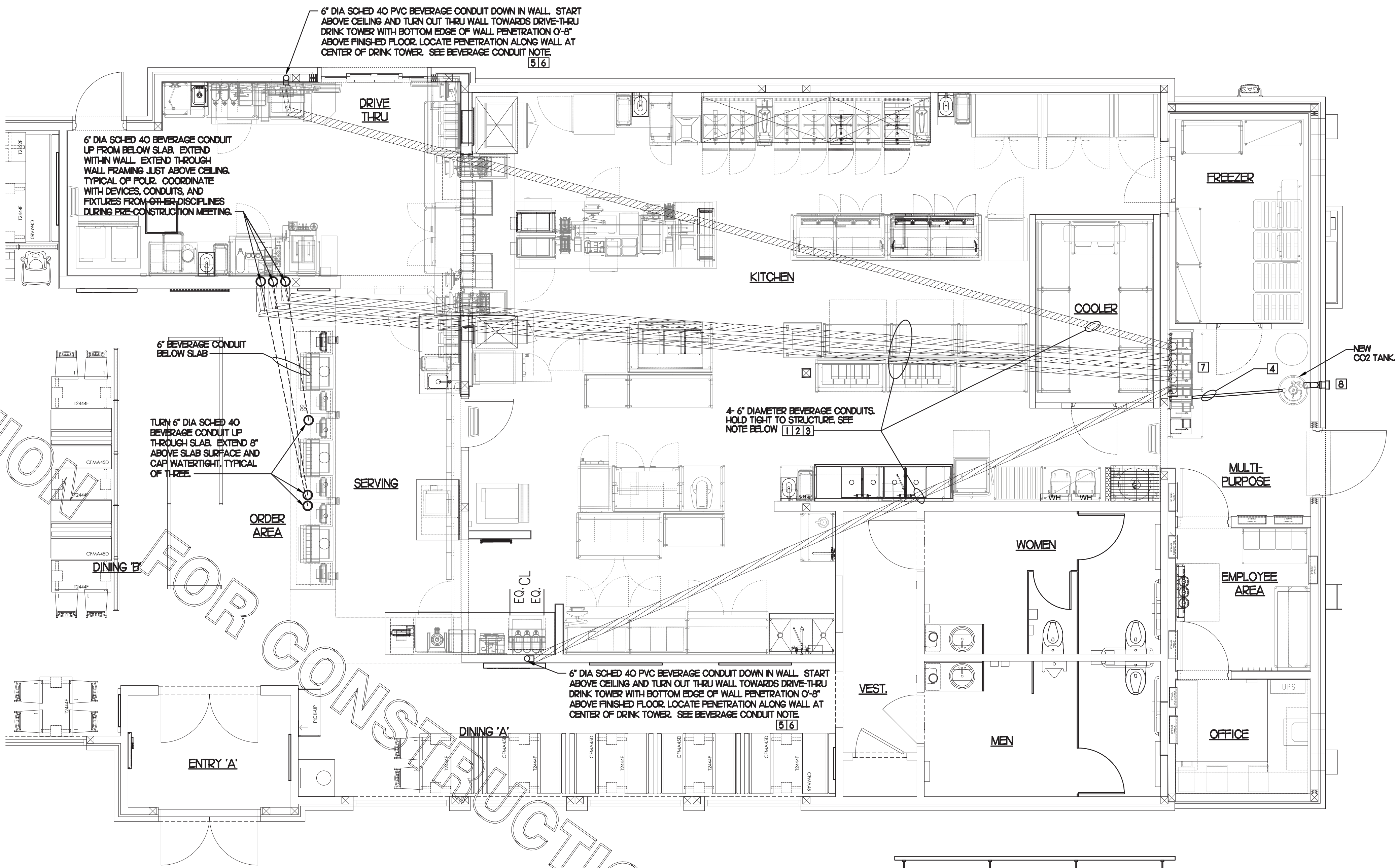
FOR CONSTRUCTION

FOR CONSTRUCTION

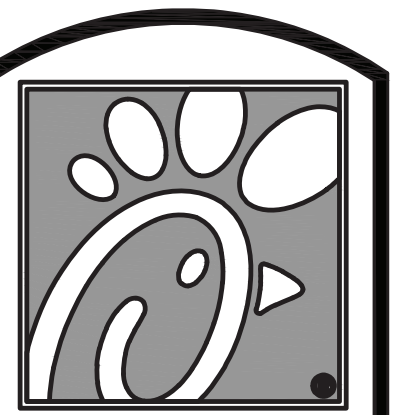
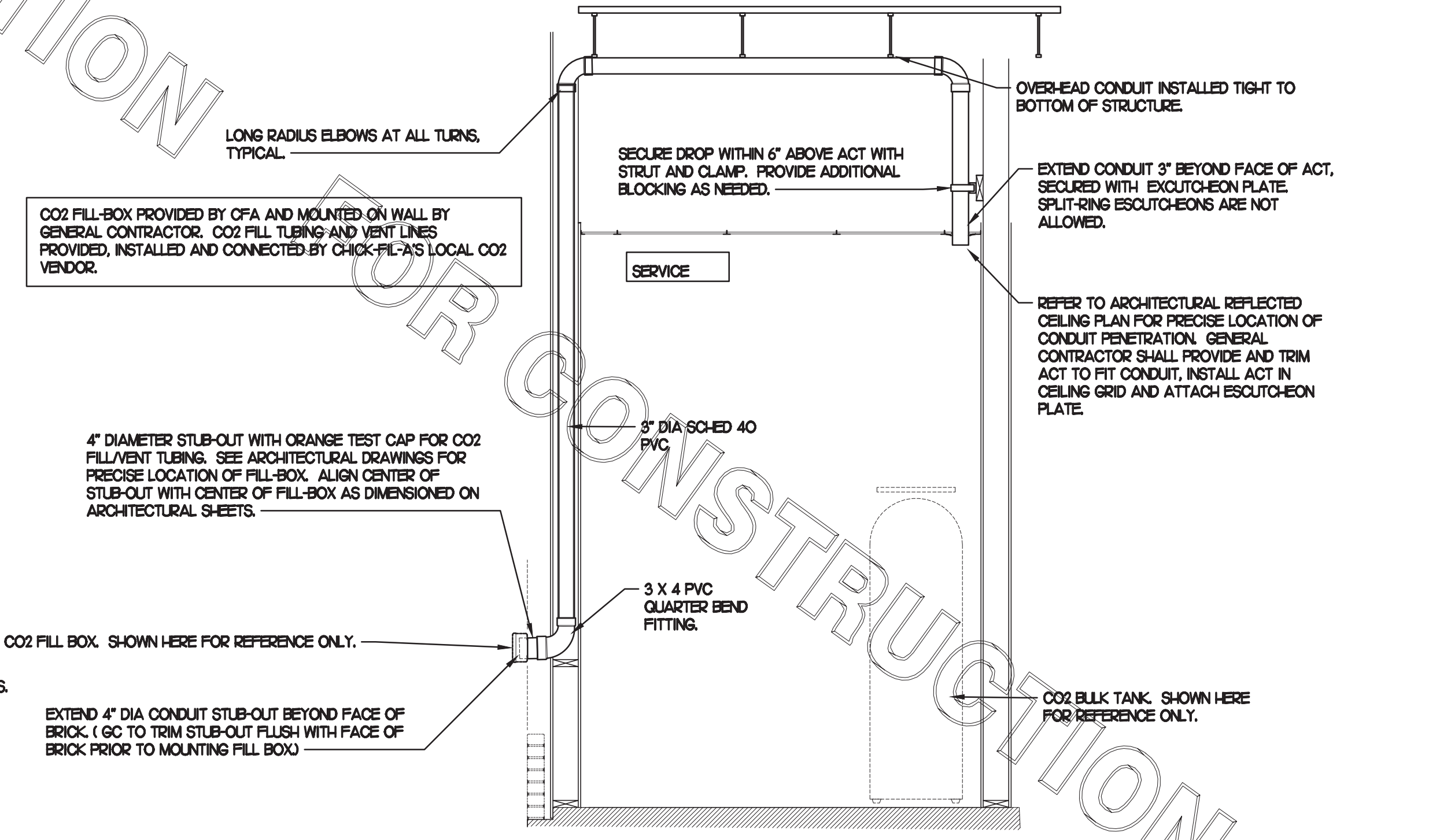
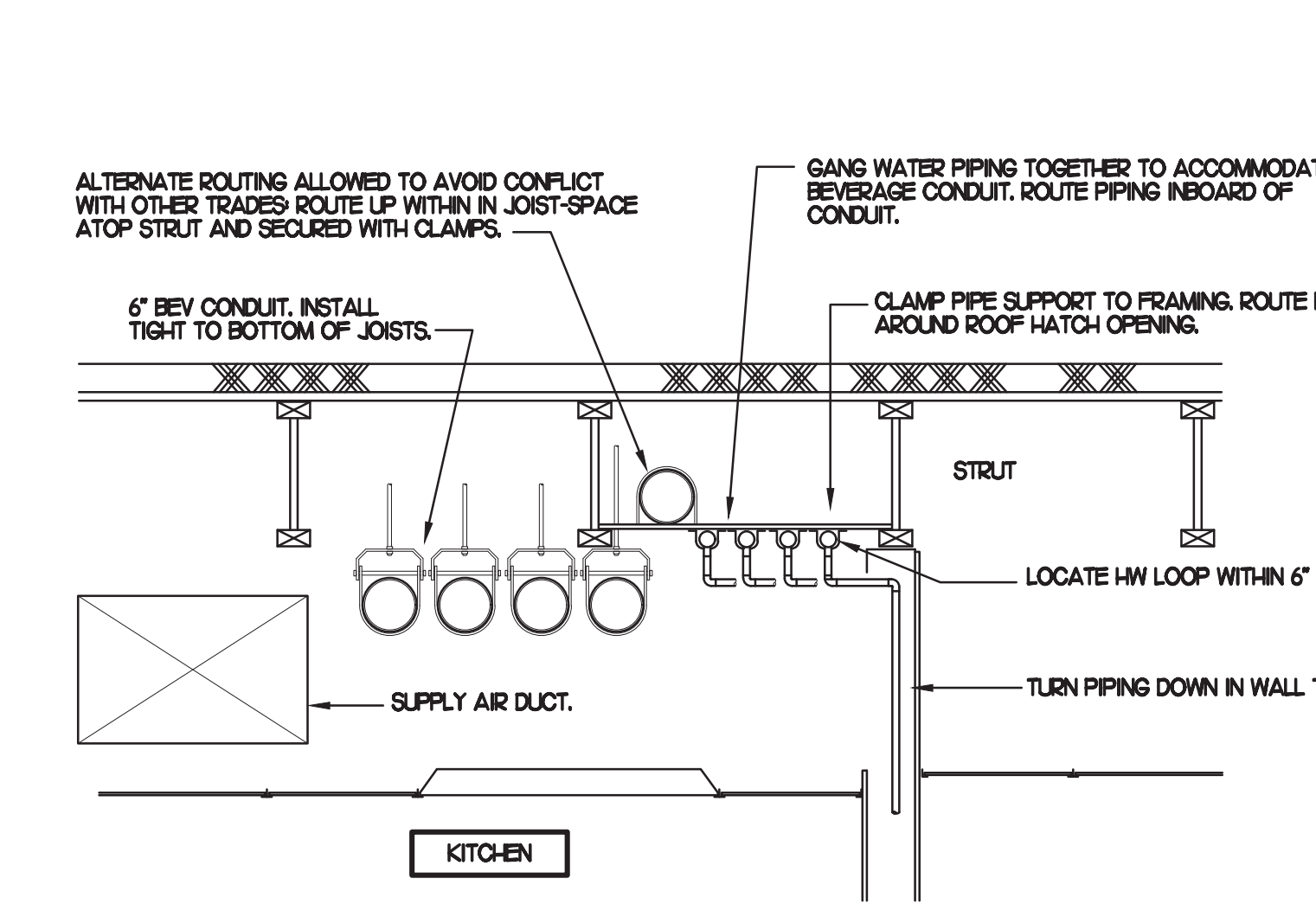
FOR CONSTRUCTION

NOTE:
 ALL BEVERAGE CONDUIT 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 TO REVIEW ALL NEW & EXISTING EQUIPMENTS. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO INSTALLATION & FABRICATION OF CONDUITS, DUCTS, OR PIPING. RUN BEVERAGE CONDUITS AS STRAIGHT AS POSSIBLE AVOIDING EXISTING STRUCTURE, PIPING, DUCTS, & ALL EQUIPMENTS. 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.

FOR CONSTRUCTION



- BEVERAGE CONDUIT NOTES**
- ROUTE BEVERAGE SYSTEM PIPING OVER-HEAD FROM THE BEVERAGE RACK TO DRINK TOWERS IN 6" DIA. SCH. 40 PVC CONDUITS. ALL CONDUIT SHALL BE HELD TIGHT TO STRUCTURE AND SUPPORTED WITH THREADED ROD AND CLEVIS HANGERS AT INTERVALS SHOWN IN SPECIFICATIONS FOR HORIZONTAL OVER-HEAD PIPING. COORDINATE ROUTING WITH THE GENERAL CONTRACTOR TO AVOID MECHANICAL AND ELECTRICAL SYSTEMS.
 - COORDINATE ROUTING OF ALL CONDUITS WITH HVAC DUCT IN KITCHEN. SEE SHEET M-HI FOR LOCATION OF AC UNITS AND DUCT ROUTING.
 - TURN THE 6" DIA. CONDUIT DOWN THROUGH THE CEILING AT THE BEVERAGE RACK AND PROVIDE CHROMED ESCUTCHEONS AT CEILING PENETRATIONS. TERMINATE OPPOSITE END ABOVE CEILING WHERE SHOWN ON PLANS.
 - REROUTE 2" CO2 PIPE TO NEW BIB RACK.
 - AT CONDUIT DROPS IN DRIVE-THRU AND SERVING AREA, PROVIDE 1/8TH BEND FITTINGS WITH SHORT PIPE STUB AT BASE OF DROP. CUT STUB AND FITTING FLUSH WITH FINISHED WALL.
 - FOR BEVERAGE CONDUIT DROPS AT WALLS WITH SHEATHING, PROVIDE APPROPRIATE FITTING TO EXTEND TOP OF PIPE DROP BEYOND FACE OF SHEATHING.
 - NEW BIB RACK WITH CARBONATORS AND PUMPS.
 - 4" DIA. STUB-OUT AT REMOTE FILL-BOX. SEE DETAIL 3/P22.



Chick-fil-A

5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
 INTERPLAN LLC
 ARO011595
 CA 8660
 ARCHITECTURE
 ENGINEERING
 PERMITTING

220 E. CENTRAL PKWY, STE 4000
 ATLANTA, GEORGIA 30301
 407.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU

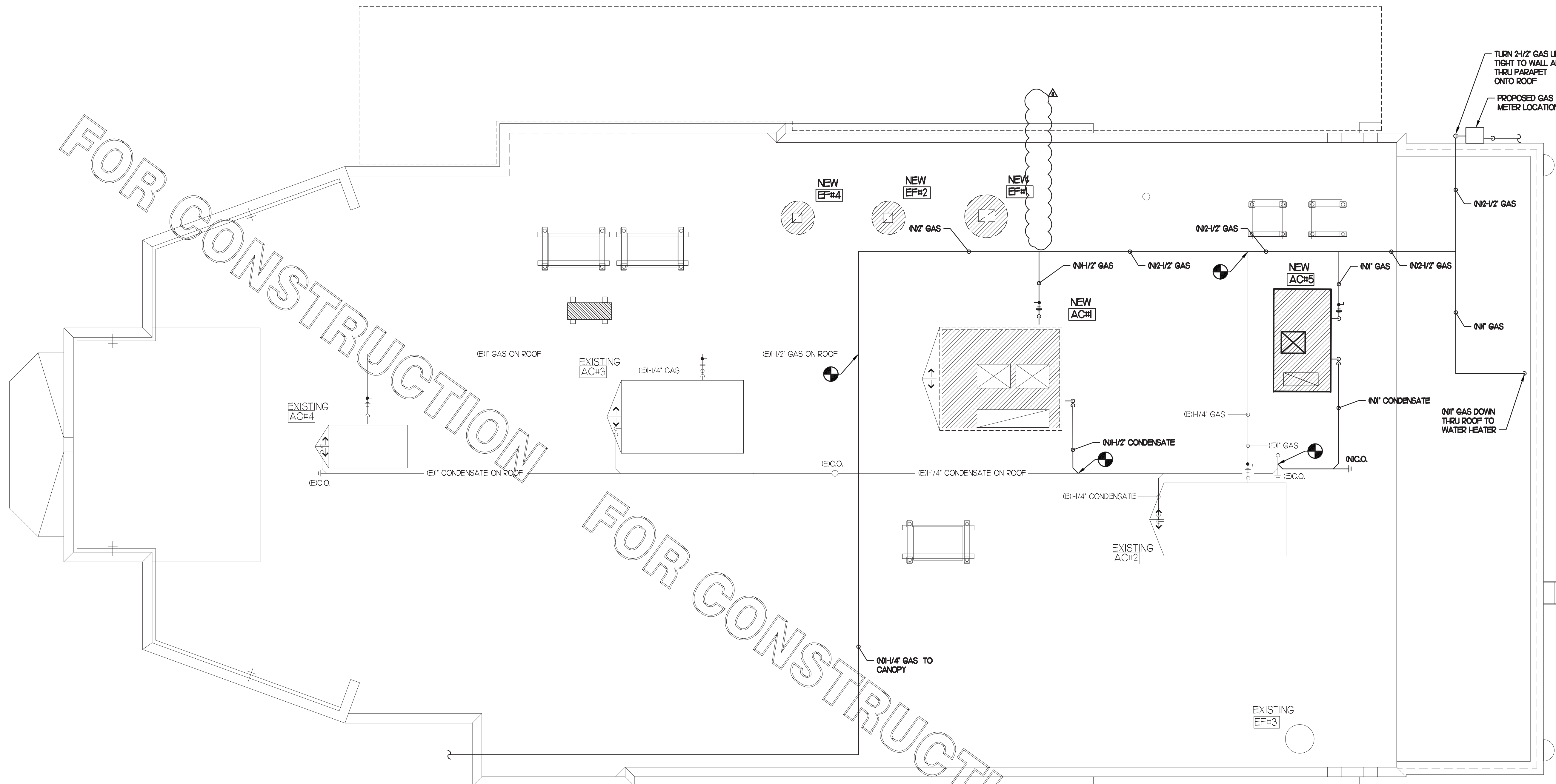
3070 Eagle Drive
 Woodstock, GA
 30189-05531

SHEET TITLE
**PLUMBING
 DETAILS &
 BEVERAGE
 CONDUIT**

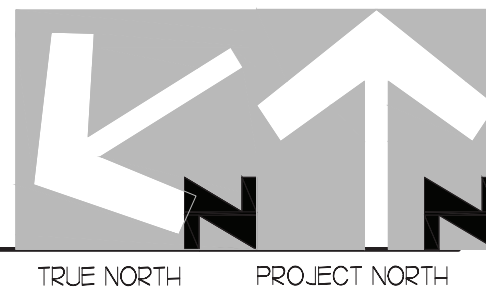
VERSION:
 ISSUE DATE:

Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : JR
 Checked By : DAK

Sheet
P2.2



1 ROOF PIPING PLAN
1/4" = 1'-0"



PIPING LEGEND

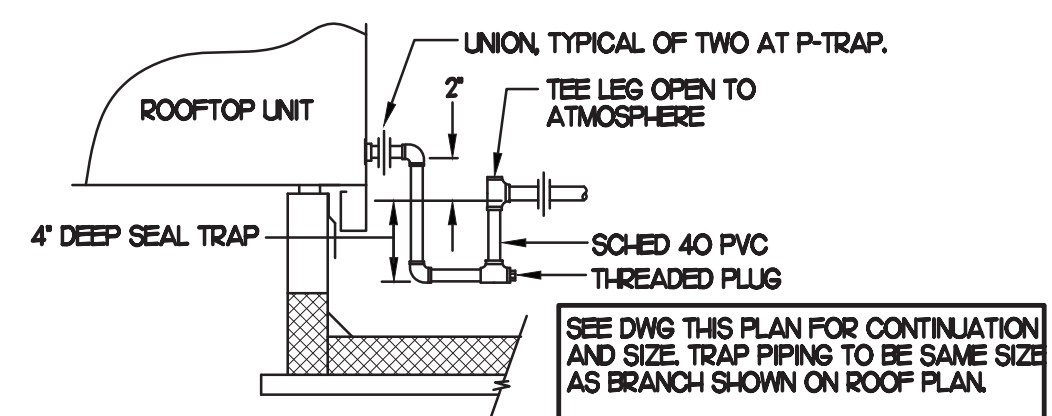
(E)	EXISTING
(N)	NEW
—	NEW PIPING
---	EXISTING PIPING
- - - -	BELOW GRADE (G/G) PIPING

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.

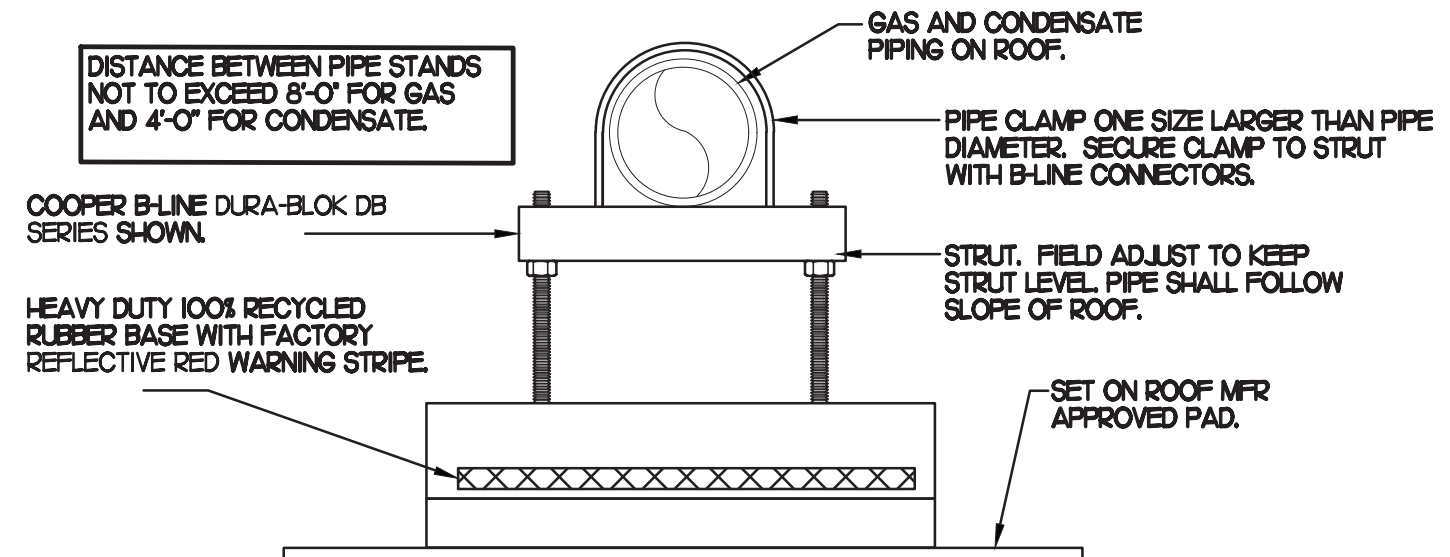
SEE DETAIL 6/A-18 FOR ROOFTOP PIPE PENETRATIONS.

CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC.



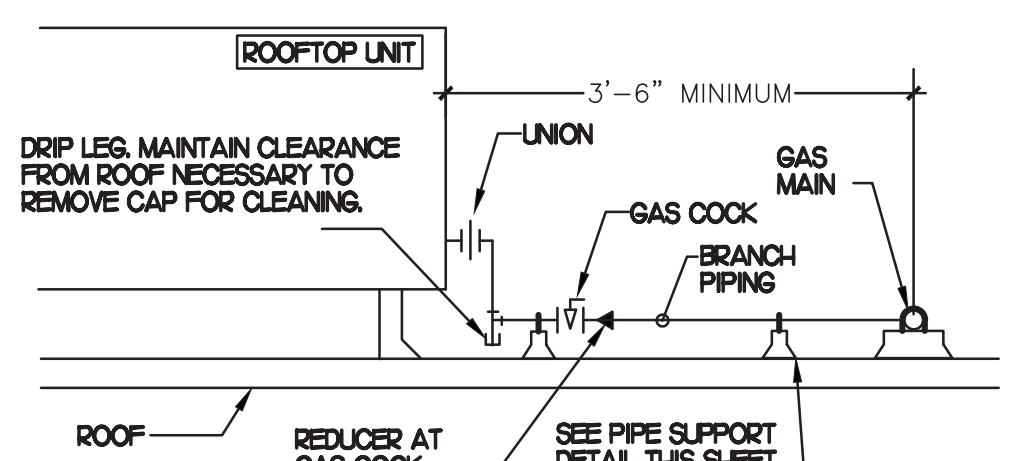
2 CONDENSATE DRAIN PIPING
NO SCALE

- 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. RE-PIPING 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 ACH	480,000 BTUS
EXISTING ACH#2	125,000 BTUS
EXISTING ACH#3	224,000 BTUS
EXISTING ACH#4	72,000 BTUS
NEW ACH#5	65,000 BTUS
NEW WATER HEATER	120,000 BTUS
(6) NEW HEATERS	300,000 BTUS
TOTAL CONNECTED LOAD	1,386,000 BTUS

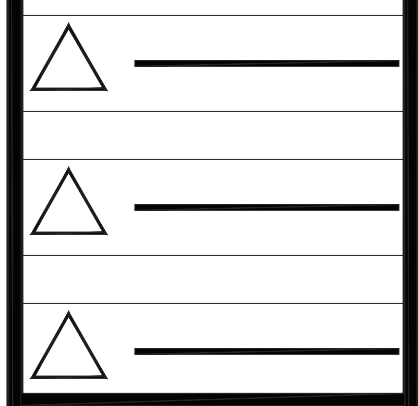
REMARKS:
 1. EQUIVALENT TO 1386.0 CFH • PRESSURE DROP 0.5 IN. W.C. W/ DEVELOP LENGTH OF 125 FT
 2. MINIMUM 7" W.C. DELIVERY PRESSURE



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
8 03.10.22 CH
KITCHEN UPDATES



INTERPLAN
INTERPLAN LLC
AR0011595
CA 0660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

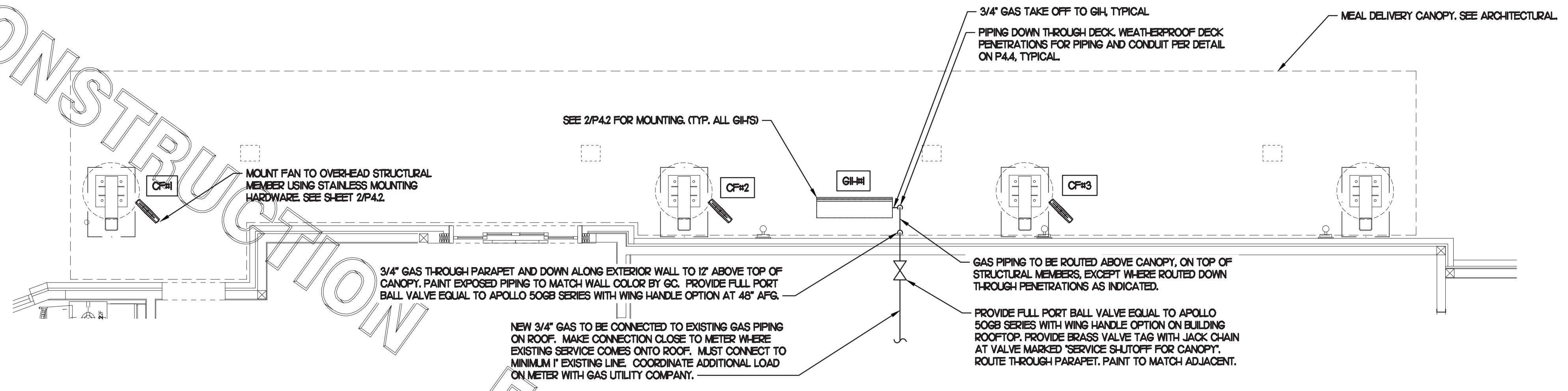
SHEET TITLE
ROOF PIPING
PLAN

VERSION:
ISSUE DATE:

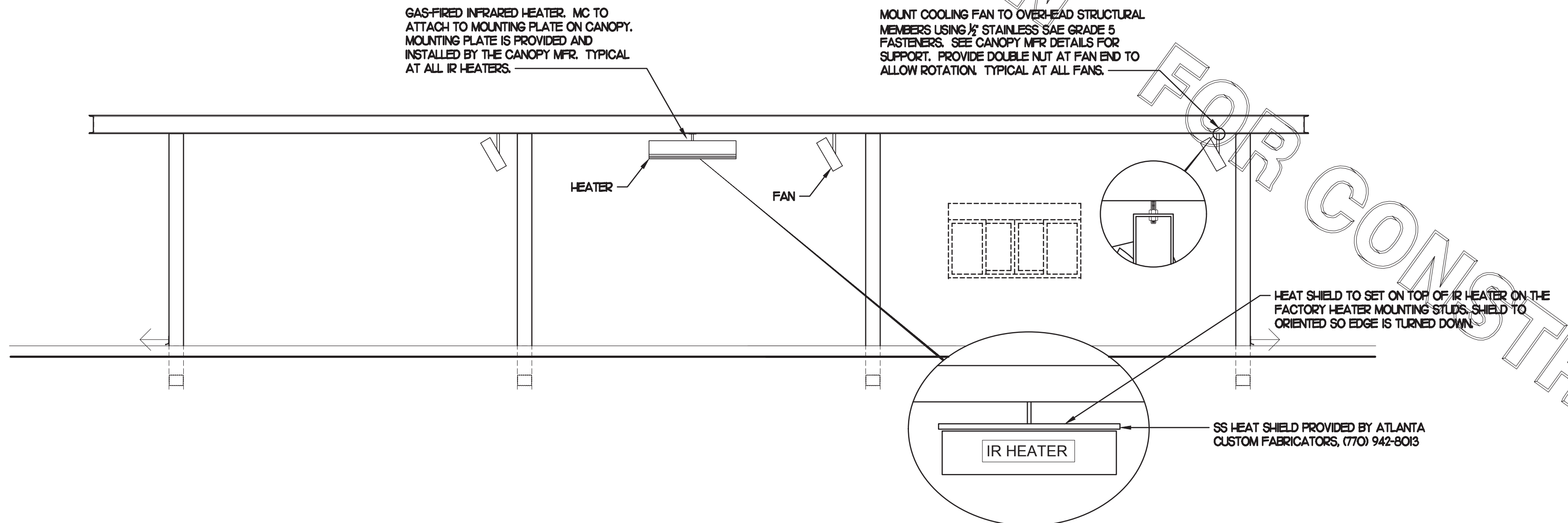
Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By : DAK

Sheet
P4.I

FOR CONSTRUCTION



1 TIER 3 OUTSIDE MEAL DELIVERY CANOPY
 1/4" = 1'-0"
 NORTH



2 HEATER FAN SECTION - SIDE VIEW
 NO SCALE

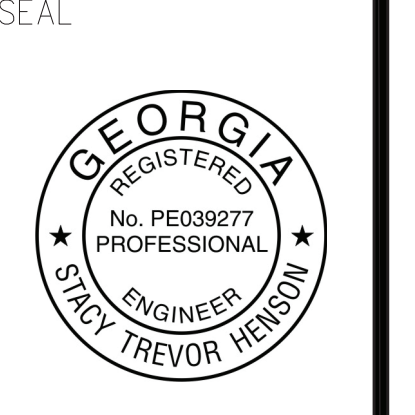


Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
 INTERPLAN LLC
 ARO011595
 CA 8660

ARCHITECTURE
 ENGINEERING
 PERMITTING

220 E. CENTRAL PKWY. STE 4000
 ALPHARETTA SPRINGS, GA 30201
 407.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU

3070 Eagle Drive
 Woodstock, GA
 30189-05531

SHEET TITLE
 OMD GAS
 PIPING PLAN

VERSION: _____
 ISSUE DATE: _____

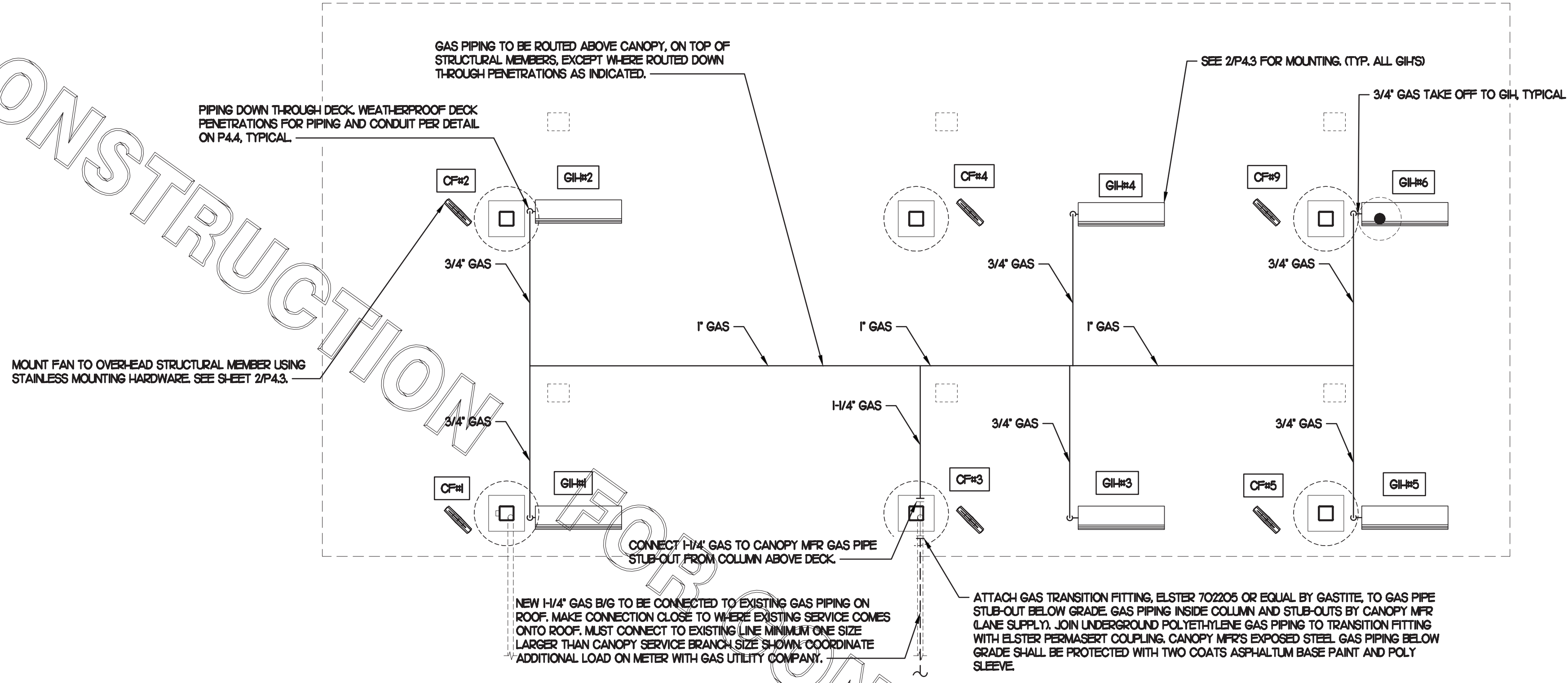
Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : JR
 Checked By : DAK

Sheet

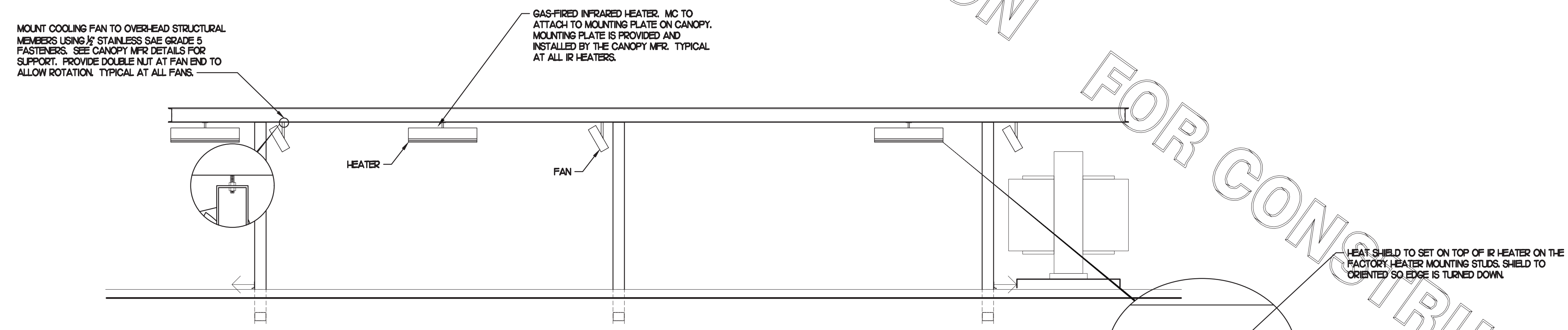
P4.2

COPYRIGHT © 2021 INTERPLAN LLC. ALL RIGHTS RESERVED. REPRODUCTION OF THIS DOCUMENT IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF INTERPLAN LLC IS PROHIBITED.

FOR CONSTRUCTION



1 TIER 3 DOUBLE LANE ORDER CANOPY
1/4" = 1'-0"



2 HEATER FAN SECTION - SIDE VIEW
NO SCALE



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY. STE 4000
ALPHARETTA SPRINGS, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
F2F GAS
PIPING PLAN

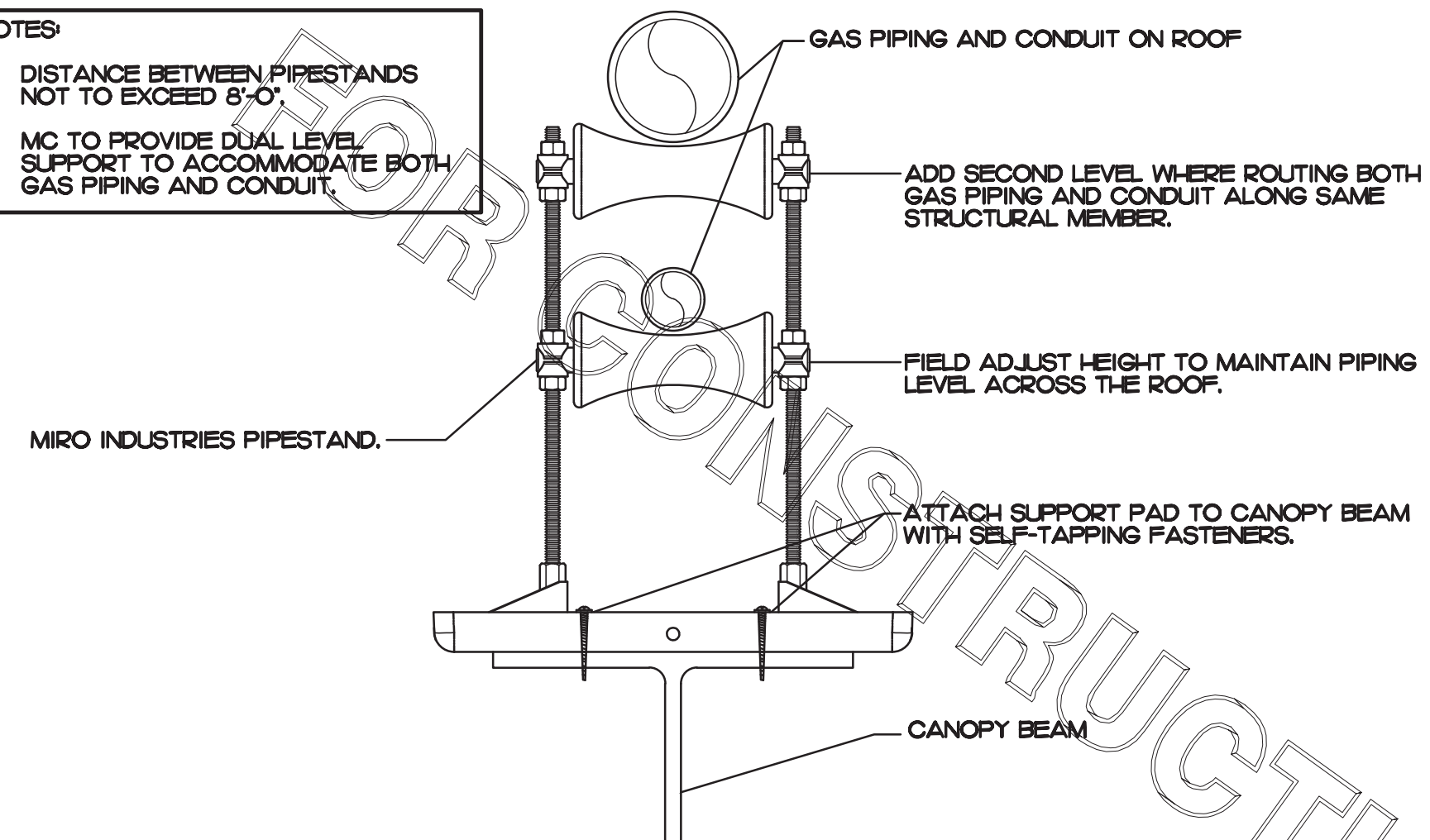
VERSION: _____
ISSUE DATE: _____

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By: DAK

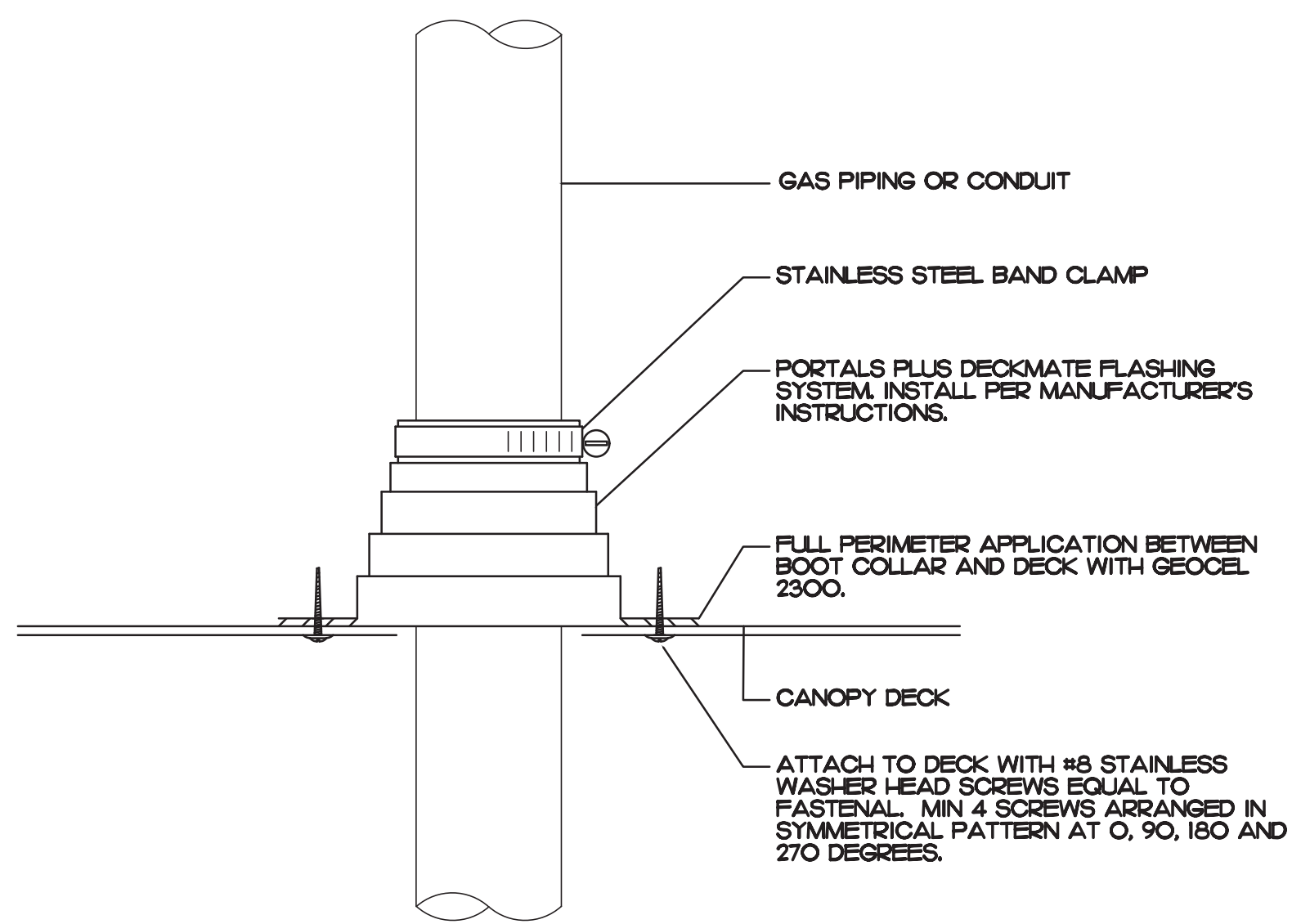
Sheet

P4.3

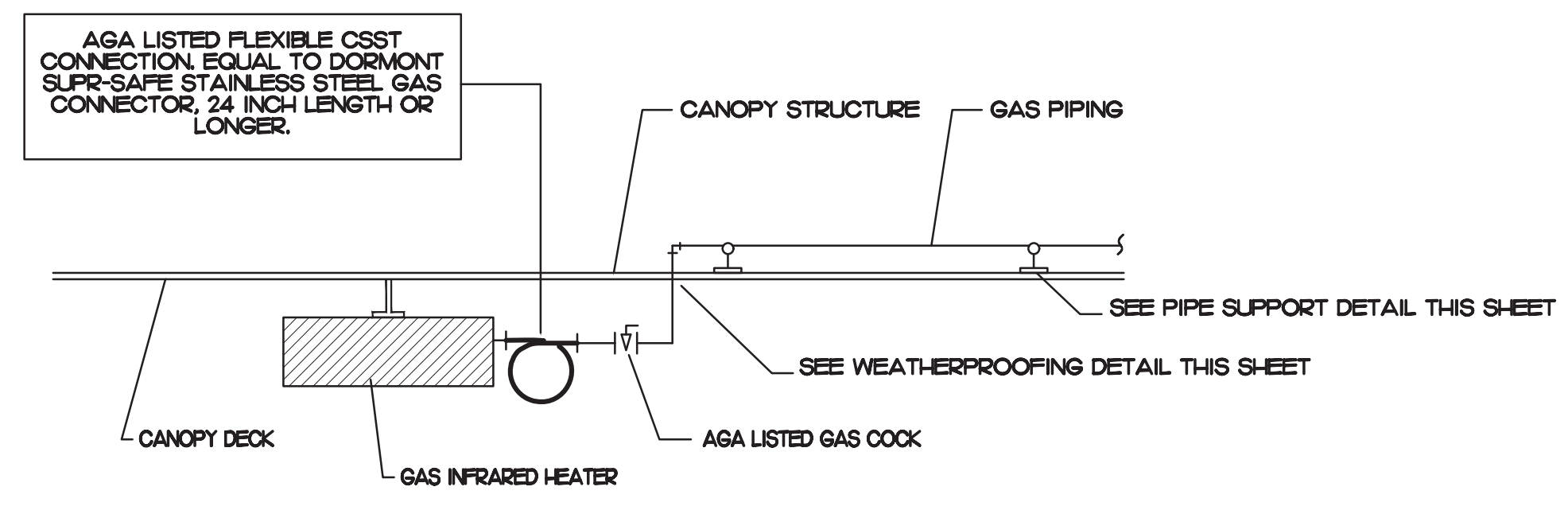
NOTES:
 1. DISTANCE BETWEEN PIPESTANDS NOT TO EXCEED 8'-0".
 2. MC TO PROVIDE DUAL LEVEL SUPPORT TO ACCOMMODATE BOTH GAS PIPING AND CONDUIT.



1 PIPING SUPPORT ON CANOPY
 NO SCALE

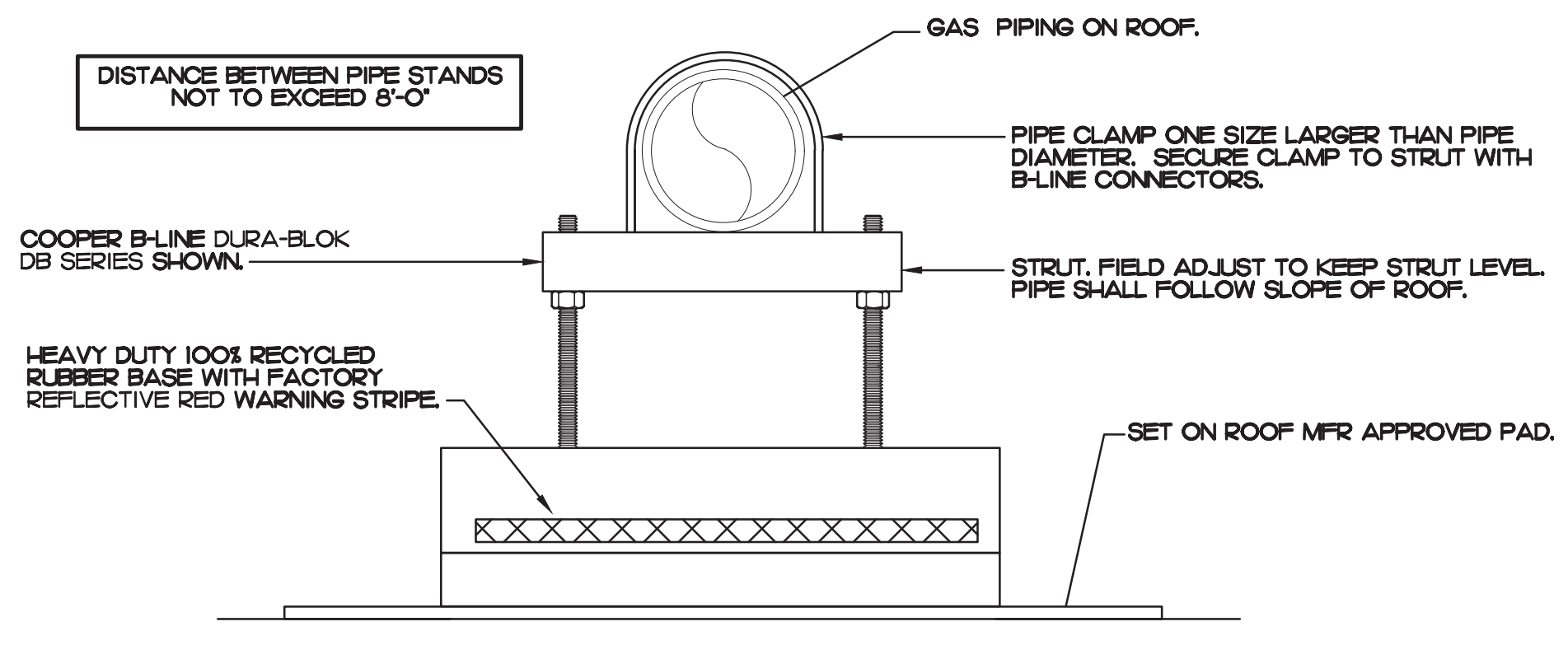


2 WEATHERPROOFING AT CANOPY PENETRATION
 NO SCALE



3 GAS CONNECTION AT APPLIANCE
 NO SCALE

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



4 PIPING SUPPORT ON MAIN BLDG ROOF
 NO SCALE

GAS FIRED INFRARED HEATER SCHEDULE							
MARK	INPUT (MBH)	FRAME SIZE			MOUNTING TYPE	MODEL	MANUFACTURER
		LENGTH	WIDTH	DEPTH			
GIH	50.0	48"	13"	10"	BRACKET	2352-NG	SCHWANK

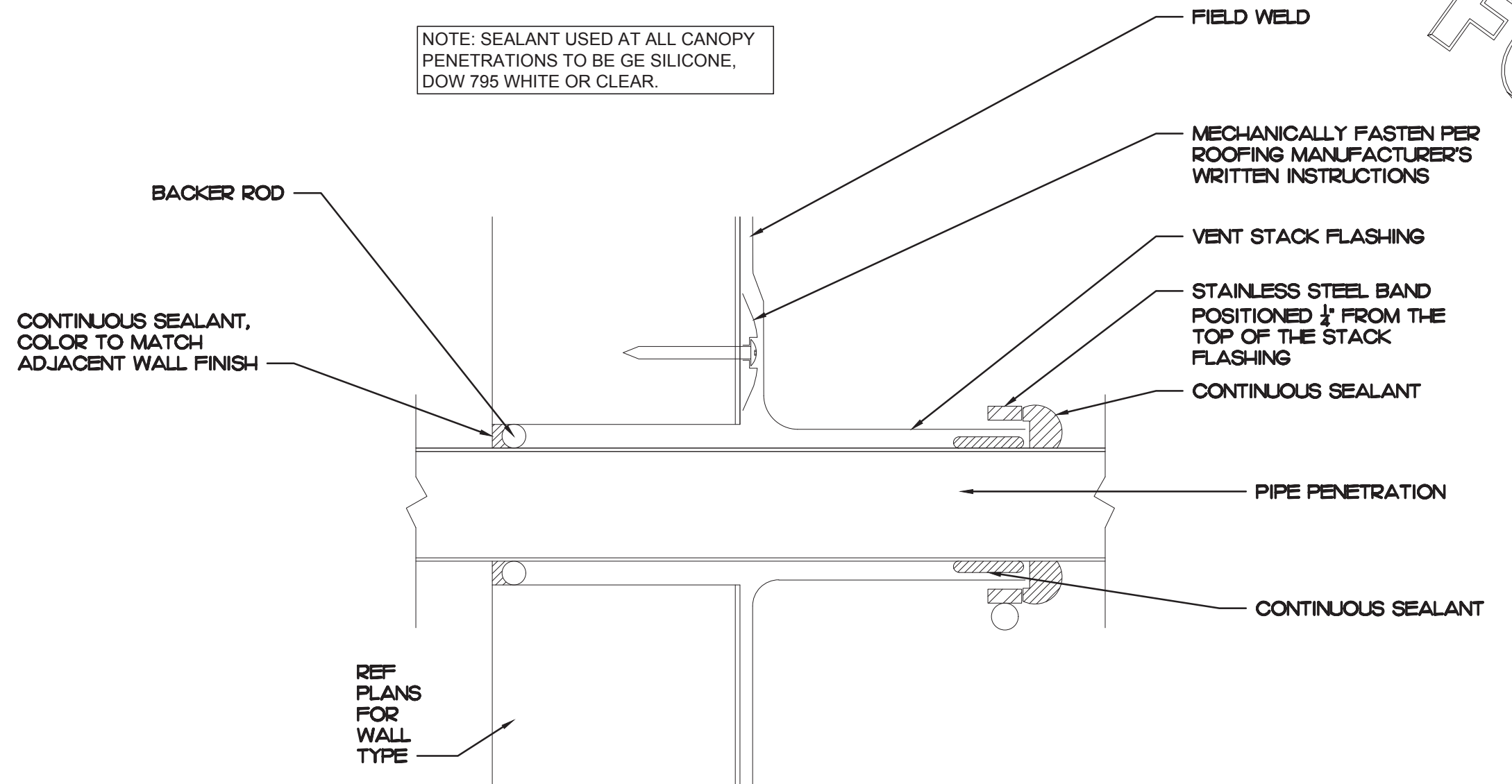
REMARKS:
 1. STEEL BURNER WITH CERAMIC BURNER TILES.
 2. STAINLESS STEEL LENS WITH BLOCK EMISSIVE COATING.
 3. PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. MOUNT TO CANOPY DECK, FACING DOWNWARD, 12" LATERALLY FROM THE SIDE OF THE HEATER.
 4. MOUNTING BRACKET PROVIDED AND INSTALLED BY CANOPY MFR.
 5. PROVIDE HEAT SHIELD ABOVE EACH HEATER AT THE BOTTOM OF THE BRACKET.

CIRCULATING FAN SCHEDULE					
MARK	CFM	RPM	HP	MODEL	MANUFACTURER
CF	5,750	1,625	1/8	U18TE-HD	TPI

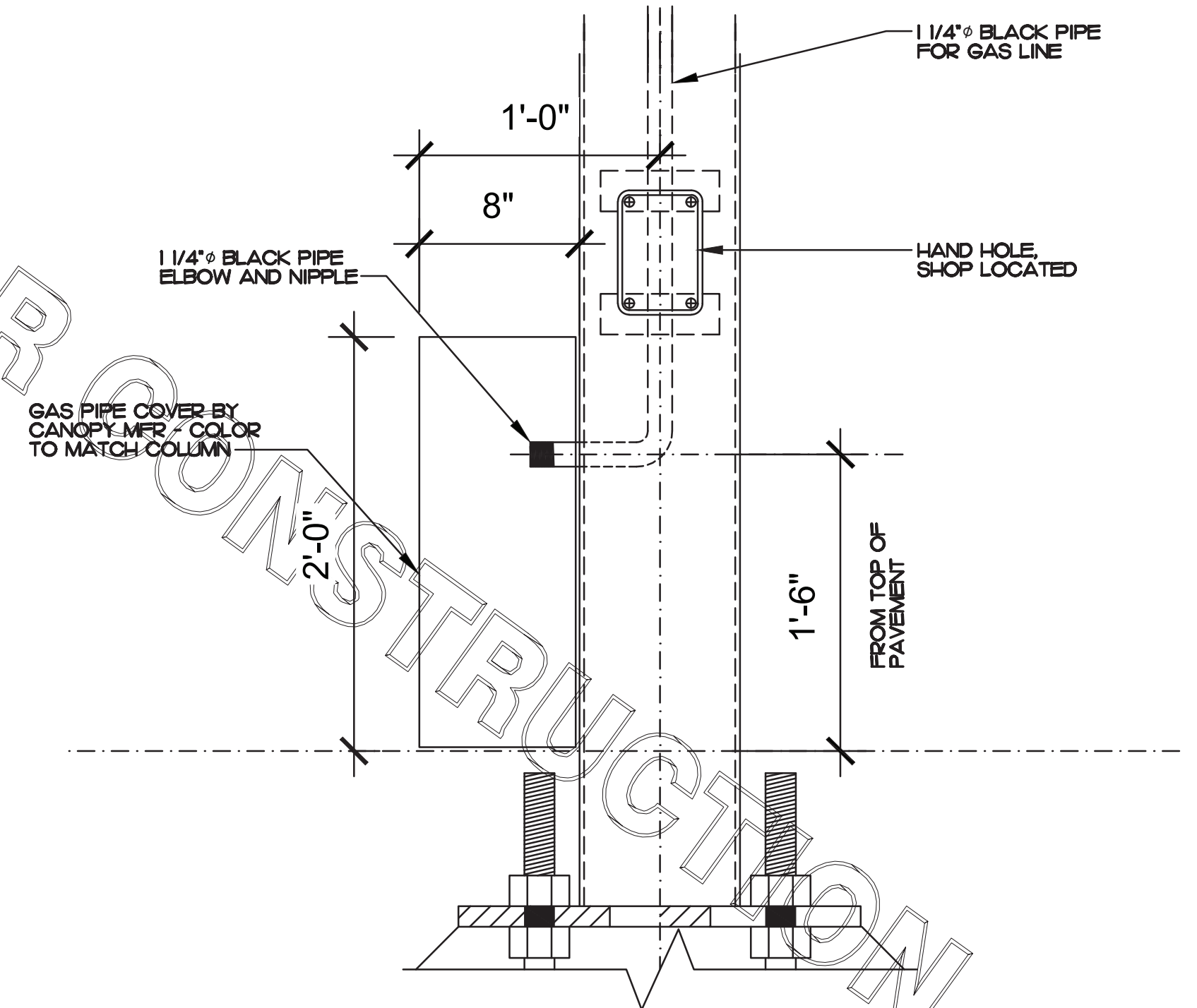
REMARKS:
 1. ALUMINUM PADDLE WITH STEEL HUB/SPIDER PROPELLER
 2. 360° ROTATING HEAD HORIZONTALLY AND VERTICALLY
 3. OSHA COMPLIANT DOUBLE LOCKING, COATED STEEL WIRE GUARD
 4. 3-SPEED, TOTALLY ENCLOSED, PERMANENTLY LUBRICATED BALL BEARING MOTOR
 5. FACTORY PRE-WIPED POWER CORD
 6. PROVIDE FACTORY WALL MOUNTING BRACKET. SEE DETAIL 3/M2.1 FOR TYPICAL INSTALLATION INSTRUCTIONS
 7. PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. MOUNT TO UNDERSIDE OF CANOPY OR EXISTING OVERHANG, FACING DOWNWARD, 12" LATERALLY FROM THE FAN LOCATION
 8. REMOVE PULL CHAIN EXTENSION AT ON/OFF SWITCH IN FIELD
 9. FACTORY CERTIFIED FOR OUTDOOR INSTALLATION.

5 EQUIPMENT SCHEDULES
 NO SCALE

NOTE: SEALANT USED AT ALL CANOPY PENETRATIONS TO BE GE SILICONE, DOW 795 WHITE OR CLEAR.



6 PARAPET PENETRATION DETAIL
 NO SCALE



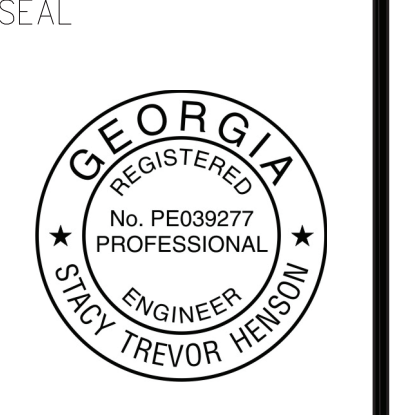
7 COLUMN GAS PIPE COVER
 NO SCALE



5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
 INTERPLAN LLC
 ARO011595
 CA 8640
 ARCHITECTURE
 ENGINEERING
 PERMITTING
 220 E. CENTRAL PKWY, STE 4000
 ALPHARETTA SPRINGS, GA 32001
 407.645.5008

STORE
 S97-100
 #00763
 TOWNE LAKE FSU
 3070 Eagle Drive
 Woodstock, GA
 30189-05531

SHEET TITLE
 FACE TO FACE
 DETAILS

VERSION:
 ISSUE DATE:

Job No. : 20.0864
 Store : 00763
 Date : 07/2021
 Drawn By : JR
 Checked By : DAK

Sheet
P4.4

I. SECTION CIS100 - PLUMBING SPECIFICATIONS

PART I - PRODUCTS (C15100)

1.01 GENERAL REQUIREMENTS

A. THE FOLLOWING SPECIFICATIONS ARE THE MINIMUM REQUIREMENT. WHERE FEDERAL, STATE OR LOCAL REQUIREMENTS DIFFER FROM THIS SPECIFICATION, THE MORE RESTRICTIVE OF THE TWO SHALL BE FOLLOWED.

1.02 SCOPE

A. HOT AND COLD POTABLE WATER PIPING ABOVE SLAB SHALL BE TYPE 'L' HARD DRAWN COPPER OR FLOWGUARD GOLD CPVC AS MANUFACTURED BY NIBCO OR CHARLOTTE PIPE & FOUNDRY AND MEETING ASTM D-2946. FILTERED WATER PIPING SHALL BE FLOWGUARD GOLD CPVC. HOT AND COLD PIPING WITHIN WALLS BEHIND KITCHEN HOODS SHALL BE COPPER.

B. POTABLE WATER PIPING BELOW SLAB AND OUTSIDE BELOW GRADE SHALL BE TYPE 'K' SOFT ANNEALED SEAMLESS. NO JOINTS SHALL BE ALLOWED BELOW SLAB. POTABLE WATER PIPING BELOW GRADE SHALL BE SLEEVED FOR ITS ENTIRE LENGTH WITH POLY SLEEVE AS MADE BY IPS WATER-TITE. ALL SLAB PENETRATIONS SHALL BE SLEEVED WITH POLY SLEEVE TO PROTECT PIPING FROM CORROSION BY CONCRETE.

C. COPPER PIPE FITTINGS SHALL BE WROUGHT COPPER SWEEP PATTERN FITTINGS SOLDERED USING 95-5 LEAD-FREE SOLDER MEETING ASTM B-32 OR BRAZED WITH SIL-FOS. SOLDER FLUXES SHALL MEET ASTM B-813 AND SHALL BE LEAD FREE. BRAZING FLUXES SHALL MEET AWS FB3-A OR FB3-C.

D. WATER PIPING DOWNSTREAM OF SOFT DRINK CARBONATORS SHALL BE PROVIDED AND INSTALLED BY LOCAL SOFT DRINK VENDOR.

E. CPVC FITTINGS FOR PIPING SHALL BE SOLVENT WELD TYPE MEETING ASTM D-2946 WITH CEMENTS MEETING ASTM F-493 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. FOR CPVC PIPING INSTALLATION, WALL STUBS AT FIXTURES AND EQUIPMENT SHALL BE COPPER AND SHALL BE SERIES 630-C. CPVC-TO-COPPER STUB OUT ELBOWS BY SIOUX CHIEF.

F. NIPPLES, ELBOWS, AND OTHER ACCESSORY FITTINGS REQUIRED TO COMPLETE ANY WATER PIPING CONNECTION SHALL BE BRASS OR OF SIMILAR TYPE METAL AS THE FITTING TO WHICH IT IS CONNECTED. GALVANIZED FITTINGS ARE PROHIBITED. (EXCEPTION: GALVANIZED HEAT TRAP WATER HEATER NIPPLES IF INTERNALLY PROTECTED WITH TEFLON OR POLYMER CORROSION-RESISTANT COATING.)

G. ALL HVAC CONDENSATE PIPING SHALL BE SCHEDULED 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-1784, D-1785 AND D-2655.

H. U.N.O. ALL SANITARY WASTE, VENT, STORM DRAINAGE PIPING AND FITTINGS INSIDE THE BUILDING, ABOVE AND BELOW GRADE, AND FOR ROOFTOP CONDENSATE, SHALL BE SOLID WALL SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-2665 AND D-2949. FOAM CORE AND/OR CELLULAR CORE PVC PIPING SHALL NOT BE ALLOWED. PVC PIPING OUTSIDE THE BUILDING, BELOW GRADE, SHALL BE TYPE SDR-35 MEETING ASTM D-3034, U.N.O.

I. DWV PIPE AND FITTINGS WITHIN WALLS BEHIND KITCHEN HOODS SHALL BE SERVICE WEIGHT HUBLESS CAST IRON WITH SLEEVE, SHIELD, AND DRAWBAND JOINTS MEETING ASTM A-888 AND ASTM C-564.

J. PVC-DWV FITTINGS FOR PIPING SHALL BE SOLVENT WELD TYPE INSIDE AND UNDERSLAB MEETING ASTM D-2665, D-3311 AND F-196. CEMENTS SHALL MEET ASTM D-2654 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. EXTERIOR PIPING JOINTS SHALL BE NEOPRENE PUSH-ON TYPE.

K. PROVIDE 1" THICK PIPE INSULATION FOR ALL ABOVE SLAB HOT AND TEMPERED WATER PIPING. PROVIDE 1/2" THICK INSULATION FOR ALL ABOVE SLAB COLD WATER, FILTERED WATER, CONDENSATE PIPING, AND HORIZONTAL RAIN WATER CONDUCTORS INSIDE THE BUILDING. PIPING INSULATION SHALL BE KNAUF 100F 25/60 FIBERGLASS PIPE COVERING, WHITE KRAFT PAPER VAPOR BARRIER (.02 PERMS) BONDED TO ALUMINUM FOIL AND REINFORCED WITH GLASS FIBERS. MAXIMUM THERMAL CONDUCTIVITY OF 0.23 AT 75F. LONGITUDINAL LAP SHALL BE SELF SEALING. INSULATION FOR WALK-IN COOLER/FREEZER CONDENSATE PIPING SHALL BE ARMACELL A/P ARMAFLEX WITH MINIMUM 3/4" WALL THICKNESS.

L. PIPE INSULATION AND COVERINGS SHALL HAVE A RATING OF NOT GREATER THAN 25 FLAME SPREAD, NO HIGHER THAN 50 SMOKE DEVELOPED, AND NO MORE THAN 50 FUEL CONTRIBUTED. THE ONLY EXCEPTION SHALL BE ARMAFLEX AP, WHEN SPECIFIED, WHICH SHALL NOT EXCEED 100 SMOKE DEVELOPED.

M. A PVC 25/60 PRE-FORMED COVER SHALL BE PROVIDED AT ALL INSULATED PIPING FITTINGS EQUAL TO PROTO PVC CORP LOSMOKE, 800-875-7768.

N. ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL MEETING ASTM A53 WITH SCREWED OR WELDED FITTINGS AND GASKET TYPE UNIONS AND FLANGES. FOR SCREWED PIPING, PIPING SHALL BE JOINED WITH BLACK 150 POUND MALLEABLE IRON SCREWED FITTINGS AS ALLOWED BY LOCAL AUTHORITY. CONTRACTOR SHALL VERIFY THE NEED FOR WELDED PIPING AS REQUIRED BY THE LOCAL GAS CODE AND/OR APPLICABLE LOCAL ORDINANCES AND AMENDMENTS.

O. EXPOSED SUPPORTS AND ATTACHMENTS SHALL BE STAINLESS STEEL, CHROME OR CHROME PLATED. GALVANIZED ATTACHMENTS WILL NOT BE ACCEPTED.

P. USE MATERIALS SPECIFIED ON THESE PLANS. SUBSTITUTIONS ARE ALLOWED ONLY IF SPECIFIED MATERIALS ARE UNAVAILABLE. PRODUCT SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL. ALL WATER PIPING, FITTINGS, FIXTURES AND ACCESSORIES SHALL BE CERTIFIED LEAD FREE AS DEFINED IN, AND PER THE INTENT OF, THE "REDUCTION IN LEAD IN DRINKING WATER ACT".

PART II - EXECUTION (C15100)

2.01 TRENCHING (C15100)

A. EXCAVATION, BACKFILLING, AND TRENCH WORK SHALL BE DONE IN ACCORDANCE WITH LATEST O.S.H.A. AND APPLICABLE SAFETY STANDARDS.

B. PROVIDE NECESSARY SHORING AND CLEANING TO KEEP TRENCHES IN GOOD WORKING CONDITION, INCLUDING PUMPING OUT WATER.

C. IN MOSTLY ROCK MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH CRUSHED LIMESTONE GRAVEL SHALL BE REMOVED FROM UNDER PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.

D. IN MOSTLY EARTH OR SAND MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH FINE SAND OR GRAVEL. TRENCH BOTTOM SHALL BE REMOVED AT PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.

E. BACKFILLING AND TAMPING SHALL BE CAREFULLY DONE BY HAND SIMULTANEOUSLY ALONG BOTH SIDES OF THE PIPE USING ROCK FREE EARTH, CRUSHED STONE OR SAND UNTIL THE PIPE IS COVERED TO A DEPTH OF AT LEAST 12". BACKFILL SHALL BE ACCOMPLISHED IN SUCCESSIVE 6" LAYERS. THE REST OF THE FILL-UP TO THE TOPSOIL LAYER MAY BE GRAVEL OR ROCK FREE EARTH.

F. ACCEPTABLE SOIL MATERIALS FOR BACKFILL AND FILL SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS AND OTHER DELETERIOUS MATTER HAVING A PLASTICITY INDEX LESS THAN 30. BACKFILL SHALL BE ACCOMPLISHED IN LAYERS OF NOT MORE THAN 6" AND EACH LAYER SHALL BE COMPACTED. THE LAST 12" OF BACKFILL SHALL BE ROCK FREE TOPSOIL.

G. SURFACE SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

2.02 INSTALLATION (C15100)

A. WATER PIPING IN EXTERIOR WALL SHALL BE INSTALLED ON THE HEATED SIDE OF WALL INSULATION.

B. EXPOSED HOT AND COLD WATER TRIM FITTINGS AND ACCESSORIES IN FINISHED AREAS SHALL BE CHROME FINISHED.

C. ACCEPTABLE METHODS OF PIPE SUPPORT WITHIN WALLS SHALL BE THE SUMNER SYSTEM, POSIFIX, STAKFIX, PIPEFIX, HOLDRITE OR CHANNEL.

D. PROVIDE J.R. SMITH OR APPROVED EQUAL SHOCK ABSORBERS #5005 THRU 5050 SIZE AS RECOMMENDED BY MANUFACTURER INSTALLED ON HOT AND COLD WATER BRANCH LINES CONTAINING SINGLE LEVER FAUCETS, FLUSH VALVES OR EQUIPMENT WITH QUICK CLOSING VALVES BETWEEN THE LAST TWO FIXTURES AS SHOWN ON THE CONTRACT DRAWINGS. SHOCK ABSORBERS SERVICING FIXTURES WITH FLUSH VALVES SHALL BE SECURELY ANCHORED IN THEIR VERTICAL POSITION.

E. SANITARY WASTE LINES SHALL BE UNIFORMLY GRADED TO ELEVATIONS SHOWN. IF NO ELEVATIONS ARE GIVEN, SEWERS SHALL BE PITCHED NOT LESS THAN 1/4" PER FOOT FOR ALL PIPING 2-1/2" IN DIAMETER AND SMALLER AND 1/8" PER FOOT FOR ALL PIPING 3" IN DIAMETER AND LARGER.

F. STORM PIPING SHALL BE SLOPED AT 1/2" PER FT (2%) UNLESS NOTED OTHERWISE ON PLANS.

G. SUPPORT HORIZONTAL PIPING ACCORDING TO LOCAL PLUMBING CODE. HANGER RODS SHALL BE SIZED AS FOLLOWS:

NOMINAL PIPE SIZE (IN)	MINIMUM HANGER DIAMETER (IN)
1/2	3/8
3/4 TO 1-1/2	3/8
2 TO 2-1/2	3/8
3 TO 6	1/2

H. HANGERS FOR PIPING GREATER THAN 1" SHALL PASS OVER THE INSULATION. PROVIDE SADDLES FOR INSULATED PIPING.

I. INSULATION SHALL BE APPLIED WITH JOINTS TIGHTLY BUTTED. OPEN CRACKS, VOIDS AND DEPRESSIONS SHALL BE FILLED WITH HYDRAULIC SETTING CEMENT. LAPPING MATCHING THE FINISH SHALL BE PASTED NEATLY OVER JOINTS. FITTINGS AND VALVES SHALL BE INSULATED WITH THE SAME TYPE.

J. PROVIDE AND INSTALL A CUT-OFF VALVE, UNION AND FULL SIZE DIRT LEG AT CONNECTION TO EACH GAS-FIRED PIECE OF EQUIPMENT. INSTALL PIPING AT AND AROUND EQUIPMENT SO AS TO NO WAY OBSTRUCT EQUIPMENT ACCESS PANELS AND/OR ACCESS DOORS.

K. 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 WHICH 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.

L. ALL GAS PIPING ABOVE ROOF SHALL BE CLEANED FREE OF RUST AND PAINTED WITH COAT OF ZINC RUST PRIMER AND ONE COAT OF ALUMINUM BASE PAINT. METER AND GAS RISER SHALL BE PRIMED AND PAINTED TO MATCH BUILDING. APPLY TWO COATS OF ASPHALTUM BASE PAINT TO PIPING BURIED UNDERGROUND.

2.03 TESTING (C15100)

A. POTABLE WATER PIPING SHALL BE PRESSURE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

B. THE POTABLE WATER SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY BY OPENING OUTLETS AND FLOWING WATER UNTIL IT RUNS CLEAR. AFTER PIPE CLEANING IS COMPLETED, THE STRAINERS SHALL BE REMOVED, CLEANED, AND REPLACED. THEN THE ENTIRE POTABLE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.

C. THE SANITARY WASTE SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY WITH FLOWING WATER UNTIL IT RUNS CLEAR.

D. THE ENTIRE SANITARY WASTE SYSTEM AND STORM DRAINAGE SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

E. NATURAL GAS PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

PART III - MANUFACTURERS

3.01 PRODUCTS - PIPING SYSTEMS, ETC (C15100)

A. HYDRANTS, CARRIERS, DRAINS, AND SHOCK ABSORBERS: JAY R. SMITH, JONES STEPHENS CORP, WATTS ZURN, OR JOSAM.

B. ALTERNATE FIXTURES: ONLY AS SHOWN ON PLANS. APPROVED JAY R. SMITH (JRS), WATTS (WTS), AND ZURN (ZRN) MODEL NUMBERS LISTED ON FIXTURE SCHEDULE. THIS SHEET.

3.02 PRODUCTS - RESTROOM FIXTURES PORCELAIN & VALVES (C15400)

A. PREFERRED FIXTURES: TOTO. NO EXCEPTION.

B. ALTERNATE FIXTURES: ONLY AS SHOWN ON PLANS.

C. FITTINGS: AS SPECIFIED ON THE PLANS. NO SUBSTITUTIONS ALLOWED.

D. FLUSH VALVES AND LAVATORY FAUCETS: TOTO MANUFACTURING. NO SUBSTITUTIONS ALLOWED.

E. PREFERRED TOILET SEATS: TOTO. ALTERNATE TOILET SEATS: CHURCH, BEMIS, AND BENEKE.

F. FLOOR SINKS: ZURN WITH ALUMINUM SEDIMENT BUCKETS. NO SUBSTITUTIONS ALLOWED.

2. PLUMBING FIXTURES

RESTROOM FIXTURES (C15400)

P-1 WATER CLOSET: TOTO MODEL CT70SUNHOI BOWL WITH 128 GPF TET-1-LNC #320P ECO-POWER FLUSH VALVE AND SC534 SEAT. NO SUBSTITUTIONS. WHITE, FLOOR MOUNTED, 687 WATER VALVE TYPE. VITREOUS CHINA, 1/2" TOP SPUD, ELONGATED BOWL, ELECTRONIC SENSOR OPERATED HANDS-FREE FLUSH VALVE, WHITE OPEN FRONT SEAT WITH CHECK HINGE. CHICK-FIL-A HAS NATIONAL ACCOUNTS WITH TOTO. PLEASE SEE NATIONAL ACCOUNT INFORMATION ON THIS SHEET FOR PRICING OF TOTO FIXTURES.

P-2 WATER CLOSET (ADA): TOTO MODEL CT70SUNHOI BOWL WITH 128 GPF TET1A320P ECO-POWER FLUSH VALVE AND SC534 SEAT. NO SUBSTITUTIONS. H.C. ACCESSIBLE, WHITE, FLOOR MOUNTED, 17-1/2" HIGH, FLUSH VALVE TYPE. VITREOUS CHINA, 1/2" TOP SPUD, ELONGATED BOWL, ELECTRONIC SENSOR OPERATED HANDS-FREE FLUSH VALVE, WHITE OPEN FRONT SEAT WITH CHECK HINGE. CHICK-FIL-A HAS NATIONAL ACCOUNTS WITH TOTO. PLEASE SEE NATIONAL ACCOUNT INFORMATION ON THIS SHEET FOR PRICING OF TOTO FIXTURES.

P-3 URINAL: TOTO MODEL UT445U URINAL WITH TEU 1UA 120CP 0125 GPF SELF SUSTAINED HYDROPOWER SELF-GENERATING ELECTRONIC SENSOR OPERATED FLUSH VALVE. NO SUBSTITUTIONS. VITREOUS CHINA, 3/4" TOP SPUD, SENSOR OPERATED WITH MANUAL OVERRIDE BUTTON. INTERNAL VALVE FILTER PROTECTION. PLEASE SEE NATIONAL ACCOUNT INFORMATION ON THIS SHEET FOR PRICING OF TOTO PRODUCTS.

P-4 LAVATORY FAUCET: (BUILT-IN COUNTERTOP LAVATORY PROVIDED BY OWNER) TOTO MODEL TEL105-D10ET # CP ECO-POWER SENSOR OPERATED HOT/COLD FAUCET WITH THERMOSTATICALLY CONTROLLED ASSE1070 MIXING VALVE FAUCET. 100 GALLONS PER CYCLE. NO SUBSTITUTIONS. PROVIDE MCGUIRE LFT75 SUPPLY WITH STOP. MCGUIRE 155-WC GRID DRAIN WITH OFFSET TAILPIECE. MCGUIRE 687 POLISHED CHROME P-TRAP. P-TRAP SHALL BE PARALLEL WITH BACK WALL. PROVIDE A TREBBERO INC. HANDI LAV-GUARD INSULATION KITS MODELS IOE-Z AND IOE-Z. CHICK-FIL-A HAS NATIONAL ACCOUNTS WITH TOTO. PLEASE SEE NATIONAL ACCOUNT INFORMATION ON THIS SHEET FOR PRICING OF TOTO FIXTURES.

PLUMBING (C15100)

P-5 KITCHEN HAND SINK ROUGH IN (SINK AND FAUCET WITH 1.0 GPM AERATOR FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LFT75 SUPPLIES WITH STOPS AND A MCGUIRE 8912 POLISHED CHROME P-TRAP. ADJUST FAUCET OUTLET TEMPERATURE TO 110 DEGREES F OR HIGHER AS REQUIRED BY LOCAL JURISDICTION.

P-5A KITCHEN DUMP SINK ROUGH IN (SINK BY TMS, FAUCET: TOTO MODEL #TEL165-C20E#CP - PROVIDED BY HJC CONTRACTOR SHALL INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. MCGUIRE LFT75 SUPPLIES WITH STOPS AND A MCGUIRE 8912 POLISHED CHROME P-TRAP (PROVIDED BY HJC)

P-6 SERVING COUNTER DROP IN SINK ROUGH IN (SINK AND FAUCET WITH 1.0 GPM AERATOR FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE 8912 POLISHED CHROME P-TRAP AND MCGUIRE LFT75 STOPS WITH 20" CHROME PLATED 3/8" COPPER RISERS. ADJUST FAUCET OUTLET TEMPERATURE TO 110 DEGREES F OR HIGHER AS REQUIRED BY LOCAL JURISDICTION.

P-7 MOP SINK FAUCET: (MOP SINK BASIN BUILT BY GENERAL CONTRACTOR) PROVIDE T65 BRASS MODEL B-2345 FAUCET WITH CERAMA SPRING CHECK VALVE CARTRIDGES, HOSE THREAD SPOUT OUTLET, TOP BRACE, ADJUSTABLE INLET SPREAD FROM 3" TO 8". INCLUDE T65 BRASS MODEL 43-072 HOSE T-THREAD X 3/4" FEMALE NPT CHROME ADAPTOR. NO SUBSTITUTIONS. SEE ALSO P-46.

P-8 VEGETABLE PREP SINK ROUGH IN (SINK AND FAUCET WITH 0.65 GPM SPRAY HEAD FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LFT508 STOPS AND BRASSCRAFT 36" CHROME PLATED 1/2" OD COPPER RISERS MODEL 3-36AC, ASSEMBLE AND MOUNT TWO HANDLE FAUCET WITH PRE-RINSE SPRAY ARM. INSTALL ADD-ON FAUCET WITH 15" SPOUT AT BASE OF PRE-RINSE RISER. SEE K-SHEET ELEVATIONS. PROVIDE 1/2" SCHED 80 PVC (PIPE AND FITTINGS) INDIRECT WASTE MANIFOLD FROM SINK BASIN TO FLOOR SINK P-13B, NO P-TRAP REQUIRED. INSTALL CLEANOUT AT TURN.

P-9 FOUR COMPARTMENT POT SINK ROUGH IN (SINK AND FAUCETS WITH 0.65 GPM SPRAY HEAD FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK, ASSEMBLE & MOUNT TWO FAUCETS, AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LFT508 STOPS AND BRASSCRAFT 36" CHROME PLATED 1/2" OD COPPER RISERS MODEL 3-36AC, ASSEMBLE AND MOUNT ONE TWO-HANDLE FAUCET WITH PRE-RINSE SPRAY. INSTALL ADD-ON FAUCET WITH 15" SPOUT AT BASE OF PRE-RINSE RISER. ASSEMBLE AND MOUNT ONE TWO-HANDLE FAUCET WITH DOUBLE JOINT SPOUT ON OPPOSITE SIDE. SEE K-SHEET ELEVATIONS FOR FAUCET LOCATIONS. PROVIDE 1/2" SCHED 80 PVC (PIPE AND FITTINGS) INDIRECT WASTE MANIFOLD FROM EACH SINK BASIN TO FLOOR SINK P-13A, NO P-TRAPS REQUIRED. PROVIDE CLEANOUT AT EACH END.

P-10 FLOOR DRAIN (3") JONES STEPHENS CORP D53-144 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER. ALT: (WTS) 210-H-P-NB, (WTS) FDI03-A6-60, (ZRN) FRO8NIP33-C.

P-11 WALL HYDRANT (NON-FREEZE): WOODFORD MODEL 67-C AUTOMATIC DRAINING WALL HYDRANT WITH DUAL CHECK BFP. ASSE1062 APPROVED. WALL CLAMP, POLISHED BRASS FINISH. "C" STYLE INLET. SEE WALL HYDRANT NOTES ON P-121 FOR WALL THICKNESS AT WALL HYDRANTS. ALT: (WTS) HY-42.

P-12 FUNNEL DRAIN (3") JR. SMITH 2510L03 FUNNEL-CEPTOR 3" INDIRECT WASTE RECEIVER WITH NICKEL BRONZE STRAINER AND FUNNEL. PROVIDE 6" SQUARE F12 STRAINER WITH 4" ROUND FUNNEL AT WALK-IN COOLER. ALT: (WTS) FDI03P-M6-F4-1, (ZRN) ZN415-3NL-6S-4.

P-13A FLOOR SINK (POT SINK) ZURN MODEL Z190-KC-2NL-1-23 CAST IRON INDIRECT WASTE RECEIVER WITH 12" SQUARE BODY, FLASHING CLAMP, 8" DEEP, ALUMINUM SEDIMENT BUCKET, AND NO GRATE. NO SUBSTITUTIONS.

P-13B FLOOR SINK (VEGETABLE SINK) ZURN MODEL Z1910-KC-2NL-1-23 CAST IRON INDIRECT WASTE RECEIVER WITH FLASHING CLAMP, 8" SQ. BODY, ALUMINUM SEDIMENT BUCKET, AND NO GRATE. NO SUBSTITUTIONS.

P-14 CLEANOUTS INSIDE BUILDING: JR. SMITH 40E3L CLEANOUT WITH 6 1/2" SQUARE NICKEL BRONZE TOP AND TAPER THREAD BRONZE PLUG. SEE PLAN FOR SIZE. ALT (X-PIPE DIA) (WTS) CO-20XP-S, (ZRN) ZN400-XNL-T-BP.

P-15 CLEANOUTS OUTSIDE BUILDING: JR. SMITH 426L SERIES EXTRA HEAVY DUTY CAST IRON CLEANOUT, "CO" CAST IN COVER, ABS PLUG, SPEED SET. ALT (X-PIPE DIA) (WTS) CO-X00-WF + CO-38X, (ZRN) Z1474-X-N.

P-16 3-WAY DIVERTER VALVE ASSEMBLY: WATTS MODEL LFB 6780 ROUGH BRASS LEAD-FREE DIVERTER BALL VALVE WITH 3/4" FIP INLET AND OUTLETS AND QUARTER TURN LEVER HANDLE. PROVIDE WITH TWO (2) FORGED BRASS 3/4" MIP X 3/4" MALE GARDEN HOSE T-HEAD ADAPTERS PLUMBEST MODEL 620-003 OR EQUAL. PROVIDE WITH ONE (1) APPROVED CHROME PLATED VACUUM BREAKER (WOODFORD MODEL 344-CH OR EQUAL) FOR INSTALLATION AT MOP SINK. SEE P-221. PROVIDE ALSO TWO 3/4" CLOSE CHROME PLATED BRASS NIPPLE AND 3/4" POLISHED CHROME 90 DEGREE ELBOW.

P-17 VACUUM RELIEF VALVE: WATTS MODEL #LFB6ML 3/4" CONNECTION.

P-18 EXPANSION TANK: STATE INDUSTRIES MODEL ETC-5X, ACCEPTANCE 3.05 GALLONS AT 40 PSI PRECHARGE, 3/4" CONNECTION. ALTERNATE MODELS SIZED PER WATER HEATER MANUFACTURER RECOMMENDATIONS ARE ACCEPTABLE.

P-19 WATER HEATER (SEALED COMBUSTION) MODEL SJF-60-120-NE BY STATE INDUSTRIES. STORAGE TYPE GAS FIRED 60 GALLON WATER HEATER, 120 MBH INPUT, 137 GPH RECOVERY AT 10 DEGREE RISE, DIRECT VENT SEALED COMBUSTION, BLOWER POWERED, NON-CONDENSING TYPE WITH ONE-YEAR WARRANTY. CONTRACTOR TO PROVIDE DIELECTRIC HEAT TRAP NIPPLES. A.O. SMITH BTH-150, RHEEM G-850-130, AND BRADFORD-WHITE EP-60T-199-3N MODELS ARE ACCEPTABLE SUBSTITUTES.

P-20 THERMOMETER: PROVIDE THERICE MODEL B834 -04 -04 3" DIAL TYPE THERMOMETER WITH BOTTOM 1/2" NPT. CONNECTION, 4" STEM AND 0 DEG F TO 200 DEG F RANGE. LEAD FREE.

P-21 BACKFLOW PREVENTERS: COORDINATE LOCATION WITH CIVIL SITE UTILITY PLAN. BACKFLOW PREVENTER TYPE AND MODEL IS DETERMINED BY CIVIL ENGINEER IF LOCATED OUTSIDE THE BUILDING.

DOUBLE CHECK TYPE: WATTS NO. LFU007MIQ 1/2" DUAL CHECK MODULAR TYPE BACKFLOW PREVENTER MEETING ASSE1015 AND AWWA C510-92. WHERE REQUIRED BY LOCAL AUTHORITY, USE THE RPZ TYPE BFP SHOWN BELOW. ALT: (ZRN) 112-350XL.

REDUCED PRESSURE ZONE (RPZ) TYPE: WATTS NO. LFU009M2 1/2" MODULAR TYPE WITH TEST PORTS AND INTERMEDIATE RELIEF VALVE MEETING ASSE1013 AND AWWA C511-89. PROVIDE WATTS NO. 909-AG-C AIR GAP DEVICE. ALT: (ZRN) 112-975XL2L.

P-22 MOP SINK CHECK VALVES: T65 BRASS 1/2" MODEL B-CVW-2 BALL CHECK.

P-23 UTILITY CONNECTION (CEMEX): PROVIDE A MCGUIRE MODEL LF-15T06SB LEAD-FREE CHROME WHEEL ANGLE STOP, 1/2" FIP INLET AND OUTLET. PROVIDE CHROME WALL ESCUTCHEON. INSTALL WITH BFP P-34. SEE DETAIL 3/P24 FOR PIPING AT ICE MAKERS.

P-24 UTILITY CONNECTION (COFFEE & TEA BREWERS): PROVIDE A MCGUIRE MODEL LF-15T06SB LEAD-FREE CHROME WHEEL ANGLE STOP, 1/2" FIP INLET AND OUTLET. PROVIDE CHROME WALL ESCUTCHEON. INSTALL WITH BFP P-34.

P-25 SHOCK ABSORBER: JR. SMITH FIGURE 5005 THROUGH 5050, SIZE AS RECOMMENDED BY MANUFACTURER. ALT: (WTS) SSA + SSB, (ZRN) Z1700-100 + Z1700-300.

P-26 FUNNEL DRAIN (3") JR. SMITH 2510L03 FUNNEL-CEPTOR 3" INDIRECT WASTE RECEIVER WITH NICKEL BRONZE STRAINER AND FUNNEL. PROVIDE 6" ROUND F12 STRAINER WITH 3.25" X 8.25" OBLONG FUNNEL. ALT: (WTS) FDI03P-A6-60, (ZRN) ZN415-3NL-6S-0F.

P-26A TRAP SEAL PROTECTOR PREVENT TRAP GUARD MODEL TG34 3" TRAP SEAL. INSERT FOR INTERIOR INSTALLATION AND REPLACEMENT ACCESS THROUGH STRAINER. PROVIDE AT P-25 FLOOR DRAINS IN RESTROOMS, P-37 FLOOR DRAINS DINING ROOM, AND P-26 FUNNEL DRAINS IN MECH ROOM. TRAP GUARDS TO BE USED ALONG WITH MECHANICAL TRAP PRIMERS. PROVIDE PROSET MODEL TG33-ZURN WHEN USING ZURN FLOOR FIXTURES.

P-27 WATER PRESSURE GAUGE: THERICE MODEL 800B, 2-1/2" ROUND, BOTTOM OUTLET WITH 1/4" NPT. CONNECTION AND 0 TO 100 PSI RANGE.

P-28 BALL VALVE: NIBCO MODEL 4660-T, 3/4", WITH IPS INLET AND OUTLET.

P-29 ICE MACHINE TRENCH DRAIN: ZURN STAINLESS DRAINS TR12-CFA-XX STAINLESS STEEL TRENCH DRAIN, 14.5" X XX", STAINLESS STEEL SEDIMENT CUP AND STAINLESS STEEL SERRATED LADDER GRATE 0X-DRAIN WIDTH, 187367/487 (PROVIDED BY HJC). NO SUBSTITUTIONS.

P-30 FILTERED WATER FAUCET (FAUCET PROVIDED BY OWNER) TWO-HANDLE WALL MOUNT FAUCET WITH SWING SPOUT. MOUNT ON WALL AS SHOWN ON K-SHEETS. PIPE FILTERED WATER TO BOTH SIDES OF FAUCET. CONNECT TO SUPPLY PIPING WITH BRASS OR CHROME NIPPLES, GALVANIZED NOT ALLOWED.

P-31 DUMPSTER POST HYDRANT (NON-FREEZE): WOODFORD MODEL Y2 LEVER TYPE POST HYDRANT, 3/4 HOSE CONNECTION, LOCKABLE LEVER HANDLE, BRASS CASING, BRASS OPERATING ROD, ASSE1052 APPROVED AND 24" DEPTH OF BURIAL.

P-32 DUMPSTER PAD DRAIN: JR. SMITH FIGURE NO. Z280C03 3" FLOOR DRAIN WITH 7-1/2" HINGED CAST IRON SLOTTED GRATE AND SEDIMENT BUCKET. PROVIDED AND INSTALLED BY SITE CONTRACTOR. ALT: (ZRN) Z360-3NL-1.

P-33 TRAP PRIMER (MECHANICAL TYPE): PRECISION PRODUCTS PR-500. PROVIDE DISTRIBUTION UNIT WHERE SERVING MULTIPLE DRAINS. PROVIDE SCREWDRIVER STOP AT PRIMER INLET. ALT: (WTS) TP-300A-DR.

P-34 DISPENSER BACKFLOW PREVENTER: WATTS MODEL #HLFR12ZD ASSE1024 RATED WITH 1/2" FIP INLET AND OUTLET. DUAL CHECK TYPE. PROVIDE 1/2" DIA X 7" LONG CHROME NIPPLE AT BFP INLET AND OUTLET. PROVIDE T65 BRASS MODEL B-010 CHROME WALL BRACKET.

P-35 FLOOR DRAIN (3") JONES STEPHENS CORP D50-064 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER. SEE DWG PH FOR DRAINS IN RESTROOMS REQUIRING 1/2" TRAP PRIMER CONNECTION. ALT: (WTS) FDI03-A6-60, (ZRN) FRO8NIP33-C.

P-36 BEVERAGE TOWER INDIRECT RECEIVER (3") JONES STEPHENS CORP D53-144 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER. ALT: (RS) 210-H-P-NB, (WTS) FDI03-A6-60, (ZRN) FRO8NIP33-C.

P-37 FLOOR DRAIN (3") JONES STEPHENS CORP D50-076 PVC BODY, BRONZE SPUD WITH 6" SQUARE NICKEL BRONZE STRAINER. PROVIDE 1/2" TRAP PRIMER CONNECTION FOR DINING ROOM DRAINS. ALT: (WTS) FDI03-M6-T-60, (ZRN) FSO8NIP33-C.

P-38 HOT WATER CIRCULATING PUMP: TACO MODEL 006-SC7-FC. 1/2" UNION CONNECTIONS, INTEGRAL FLOW CHECK. ELECTRICIAN TO PROVIDE AND WIRE PLUG AND CORD, 1/40 HP, 3 GPM AT 7 FT TOTAL DYNAMIC HEAD. PROVIDE CONTROL WIRING AND HONEYWELL MODEL L6006C1018 110 VAC AQUA-STAT WITH ADJUSTABLE SETPOINT, MOUNTED DIRECTLY ON PIPE (ALL PROVIDED BY HJC). SET SHUT-OFF TEMPERATURE AT 110 DEG F.

P-39 2" PRESSURE REDUCING VALVE: WATTS NO. #L223-SB WITH BUILT-IN BYPASS FEATURE. SET NO FLOW CONDITION AT 70 PSI. ALT: (ZRN) SERIES 500XLYSBR.

P-40 WYE STRAINER WITH #100 SCREEN: 2" WATTS LFT775M3, BRONZE WYE STRAINER WITH THREE-THREADED CONNECTION AND TAPPED RETAINER CAP. PROVIDE #100 MESH SCREEN. PROVIDE WATTS 1/2" BD-C BRASS BOILER DRAIN WITH BRASS STREET 90 DEGREE ELBOW, MALE END SIZED FOR CONNECTION TO WYE STRAINER RETAINER CAP OUTLET TAP.

P-41C DISHWASHER SUPPLY VALVES (CHAMPION) FULL-PORT LEAD-FREE STAINLESS STEEL BALL VALVES (PROVIDED BY HJC) WITH SPLIT-RING BRACKET, CHROME FITTINGS, PIPE NIPPLES AND ESCUTCHEON AS DETAILED ON 3/P-302.

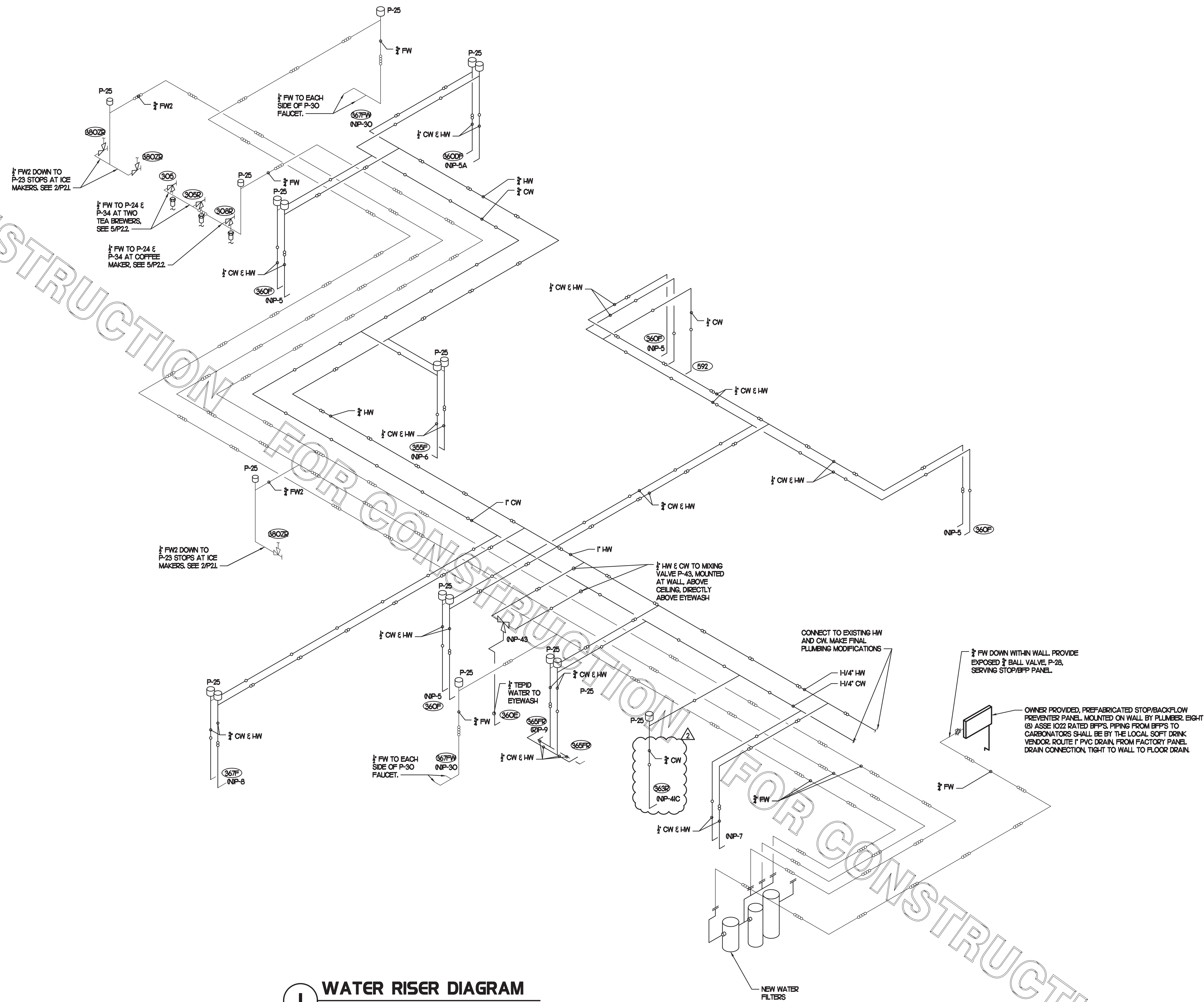
P-42 EMERGENCY THERMOSTATIC MIXING VALVE (EMERGENCY EYEWASH) BRADLEY MODEL S19-2000 FX8 THERMOSTATIC TEMPERING VALVE ANSI Z358.1 CERTIFIED FOR EMERGENCY FIXTURES, ASSE1071 COMPLIANT, WITH DUAL THERMOMETER INLET CHECK STOPS, ADJUSTABLE SETPOINT, ACCURATE WITHIN +/- 3 DEG F. INCLUDES INTEGRAL COLD WATER BYPASS WITH POSITIVE HOT WATER SHUT-OFF WHEN COLD WATER SUPPLY IS LOST. FACTORY SETPOINT OF 85 DEG F. MOUNTING BRACKET INCLUDED. FACTORY ASSEMBLED AND TESTED. ROUGH BRASS FINISH. NO SUBSTITUTIONS. CONTACT CHICK-FIL-A NATIONAL ACCOUNTS AT HAYNES, JONES, & CADBURY FOR PRICING AND DELIVERY.

P-43 SUPPLY VALVE (REHEMATIZER) FULL-PORT LEAD-FREE STAINLESS STEEL BALL VALVE (PROVIDED BY HJC) WITH SPLIT-RING BRACKET, CHROME FITTINGS, PIPE NIPPLES AND ESCUTCHEON AS DETAILED ON 3/P-302.

NATIONAL ACCOUNTS	
I.	TOTO VALVES

PIPING LEGEND	
	CW - COLD WATER
	HW - HOT WATER
	TW - TEMPERED WATER
	FW - FILTERED WATER, TO P-30, CARBONATORS, COFFEES, AND TEA
	FW2 - FILTERED WATER, TO ICE MAKERS
	EXISTING PIPING

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



I WATER RISER DIAGRAM
NO SCALE

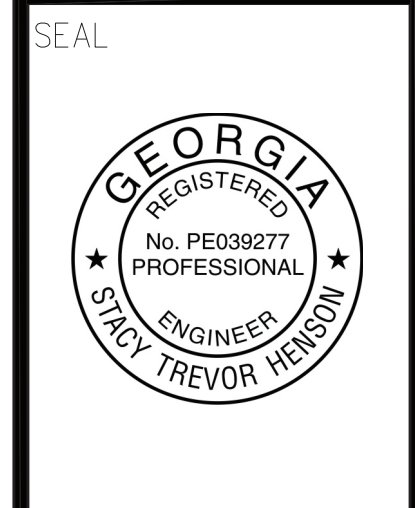


Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Mark	Date	By
2	10/27/21	CH

REVISION
△
△
△



INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALPHARETTA SPRINGS, GA 32001
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
WATER RISER
DIAGRAM

VERSION: -
ISSUE DATE: -

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By: DAK

Sheet
P5.2

FOR CONSTRUCTION

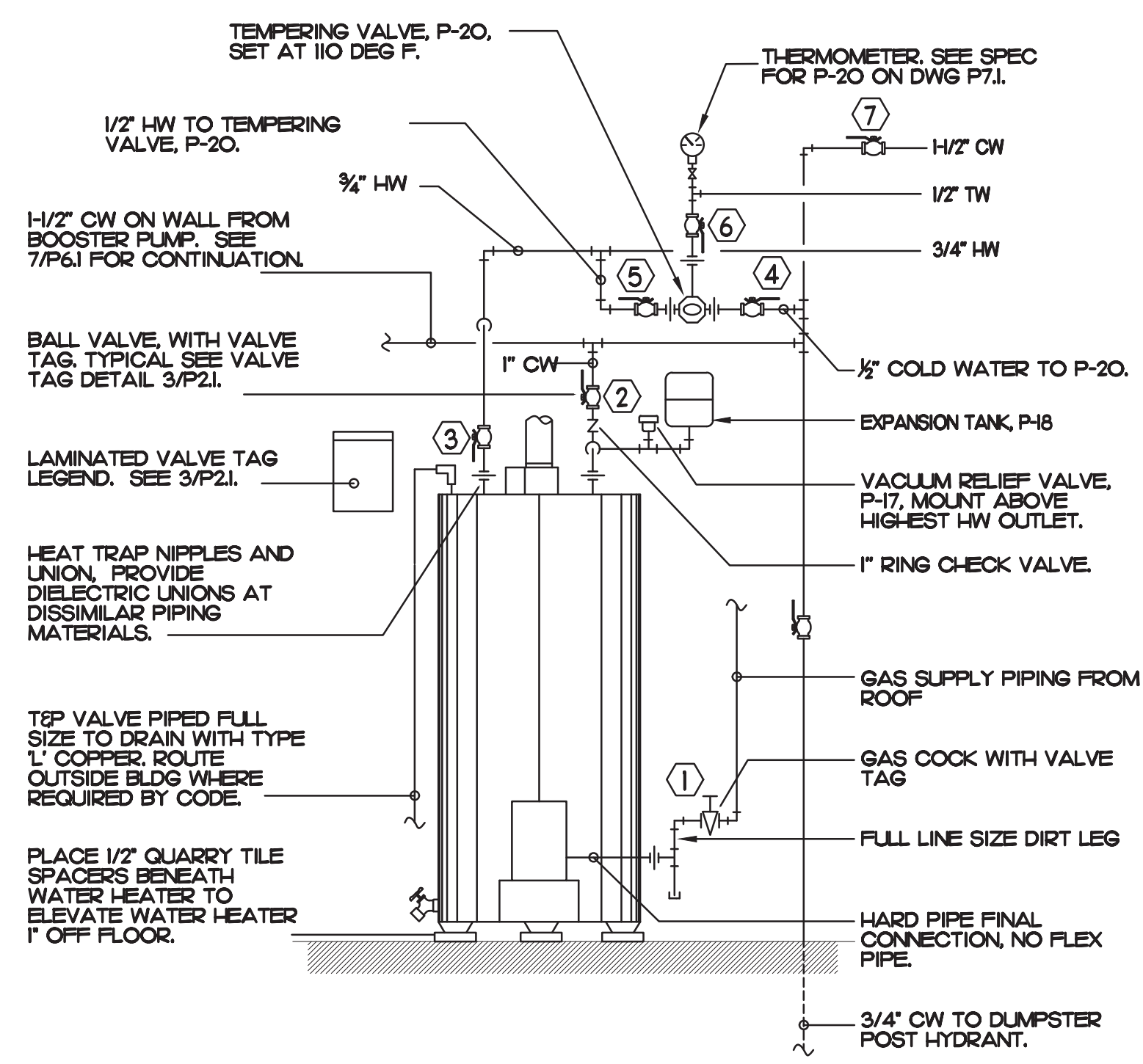
PUMP SYSTEM KEYED NOTES

PLEASE NOTE ITEMS 1 THRU 6 IN KEYED NOTES ARE INCLUDED WITH PUMP SYSTEM PACKAGE. REMAINING ITEMS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.

- ▽ PUMP: GOLDS AQUABOOST II MODEL 2AB22 HM I F2EO PACKAGE PUMP. 208V/1PH CIRCUIT REQUIREMENT. 1.5 HP MOTOR. 35 GPM DEMAND AT 45 PSI BOOST. FACTORY SET TO MAINTAIN 80 PSI DISCHARGE PRESSURE.
- ▽ PUMP CONTROLLER: GOLDS AQUABOOST II ELECTRONIC CONTROLLER, INCLUDED IN ITEM #1. MOUNT 10'-0" AFF.
- ▽ TRANSDUCER: GOLDS AQUABOOST PRESSURE TRANSDUCER, INCLUDED IN ITEM #1. INSTALL IN ONE OF TWO FACTORY FIP TAPS ON SIDE OF PUMP DISCHARGE TEE FITTING.
- ▽ PUMP DISCHARGE TEE FITTING: INCLUDED IN ITEM #1. CONNECT TO PUMP DISCHARGE, ACCUMULATOR TANK, DISCHARGE PRESSURE GAUGE, PRESSURE TRANSDUCER AND RELIEF VALVE.
- ▽ PUMP DISCHARGE PRESSURE GAUGE: INCLUDED IN ITEM #1. INSTALL IN ONE OF TWO FACTORY FIP TAPS ON SIDE OF PUMP DISCHARGE TEE FITTING. INSTALL SO THAT GAUGE DIAL FACES OUTWARD. VERIFY 80 PSI PRESSURE READING WHILE PUMP IS RUNNING.
- ▽ ACCUMULATOR TANK: GOLDS V6P BLADDER TANK. DRY-TANK. PRECHARGE FACTORY SET FOR 65 PSI, INCLUDED IN ITEM #1.
- ⑦ WYE STRAINER: SEE ACCESSORY PACKAGE P-39A ON DRAWING P-7.I. PROVIDED BY PLUMBING CONTRACTOR.
- ⑧ CHECK VALVE: SEE ACCESSORY PACKAGE P-39A ON DRAWING P-7.I. PROVIDED BY PLUMBING CONTRACTOR.
- ⑨ ENCLOSED HANDLE-TYPE NON-FUSED DISCONNECT. 3-POLE. 30 AMP, 250 VAC.

PUMP SYSTEM INSTALLATION NOTES

1. PUMP PACKAGE PROVIDED BY STRATEGIC EQUIPMENT CO. TO CONTACT STRATEGIC FOR WARRANTY SERVICE CALL STRATEGIC AT 1-866-324-4253 EXT 4.
FOR TECH SUPPORT CONTACT SOUTH-EAST PUMP & EQUIPMENT, INC. 5977 STEEPLECHASE BLVD. CLUMMING, GA. 30040. CALL BRYAN GLOVER AT SAVANNAH OFFICE# 912-495-9527, CELL# 770-294-2771. 6PM TO 7AM 912-697-8544. ADDITIONAL CONTACT PH# 678-990-1388 TRAVIS GLOVER, JR. GOLDS FACTORY TECH SUPPORT (800 AM TO 500 PM EST) 315-568-7100
2. BEFORE STARTING THE PUMP, PRIME BY REMOVING THE FILL PLUG TO ALLOW WATER TO FLOW THROUGH THE CASING. FAILURE TO DO THIS MAY DAMAGE THE PUMP.
3. MOUNT PUMP CONTROLLER ON WALL WITH TOP OF CONTROLLER AT 5'-0" AFF.
4. BOLT PUMP SECURELY TO WIRE SHELF.

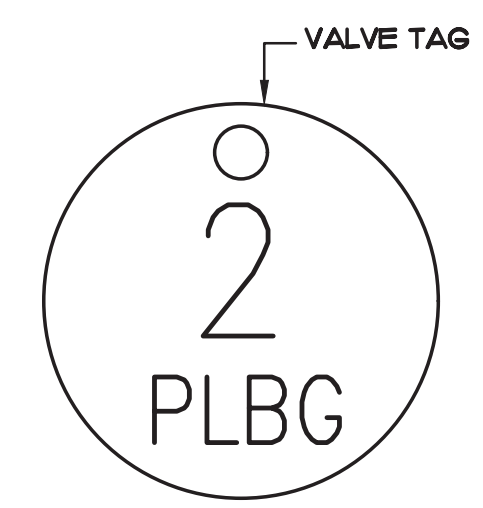


1 PIPING AT NEW WATER HEATER
NO SCALE

WATER HEATER VALVE TAG LEGEND

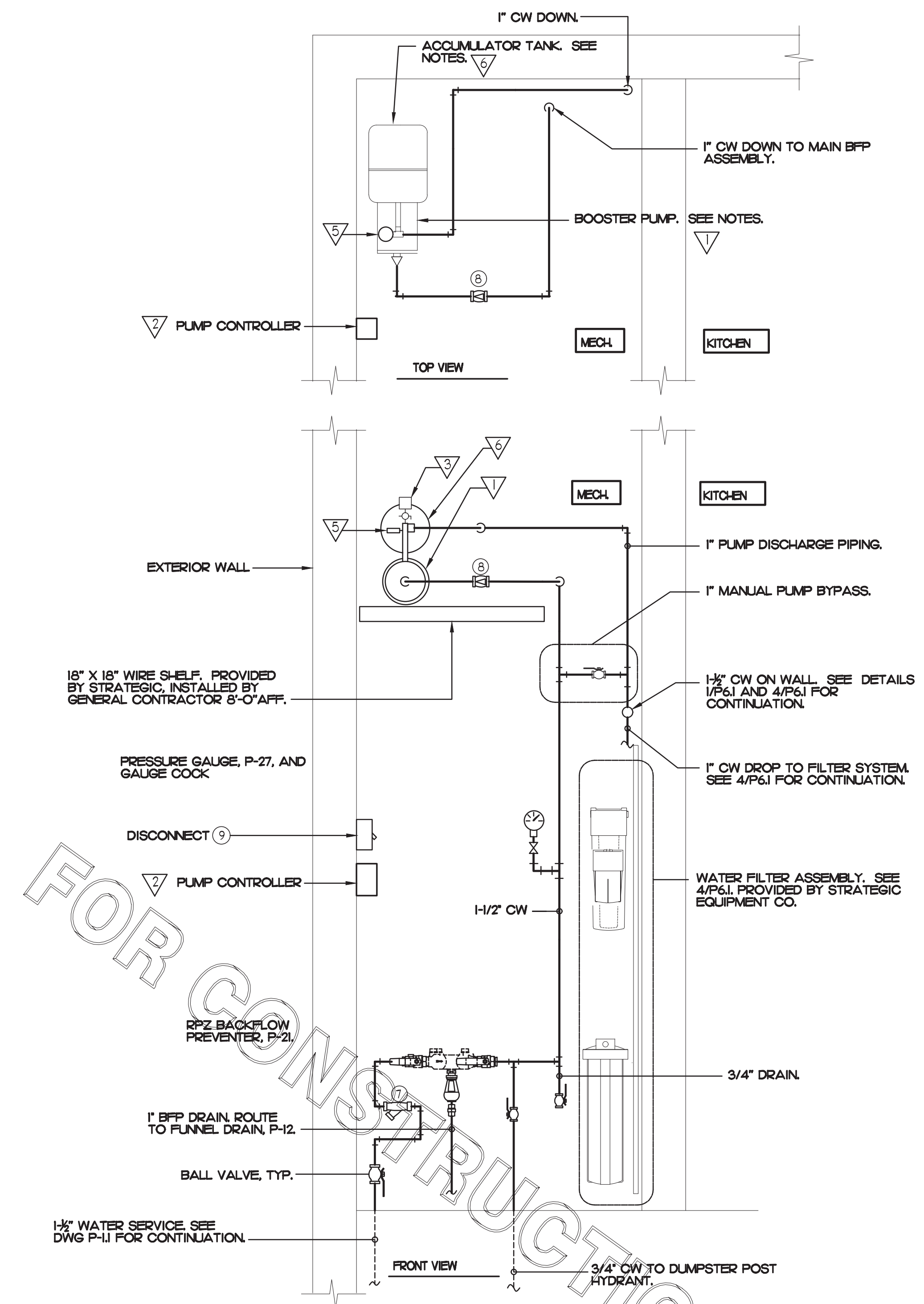
VALVE	NORMALLY OPEN OR NORMALLY CLOSED
① GAS TO WATER HEATER	NORMALLY OPEN
② WATER HEATER INLET	NORMALLY OPEN
③ WATER HEATER OUTLET	NORMALLY OPEN
④ TEMPERING VALVE COLD - IN	NORMALLY OPEN
⑤ TEMPERING VALVE HOT - IN	NORMALLY OPEN
⑥ TEMPERING VALVE WARM - OUT	NORMALLY OPEN
⑦ KITCHEN COLD WATER	NORMALLY OPEN

NOTE: HANDLE IN-LINE WITH PIPING - VALVE OPEN

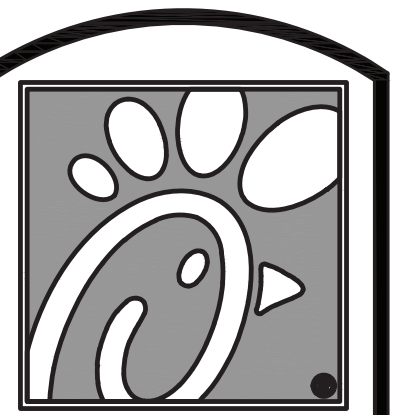


① VALVE TAG SYMBOL AS SHOWN ON DETAIL 2/P.2.I. PROVIDE 1/2" ROUND BRASS VALVE TAG WITH 1/2" HIGH BLACK FILLED LETTERING. EACH TAG SHALL INDICATE VALVE NUMBER AND WILL ALSO HAVE "PLBG" STAMPED ON THE TAG IN 1/4" HIGH BLACK FILLED LETTERING EQUAL TO SETON #M4506. HANG WITH BRASS JACK CHAIN ON VALVE HANDLE.

2 VALVE TAGS AND LEGEND
NO SCALE



3 RELOCATED POTABLE WATER BOOSTER PUMP
NO SCALE



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		
△		



INTERPLAN
INTERPLAN LLC
AR0011995
CA 8640
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY. STE 4000
ALPHARETTA SPRINGS, GA 30201
407.645.5008

STORE
S97-100
#00763
TOWNE LAKE FSU
3070 Eagle Drive
Woodstock, GA
30189-05531

SHEET TITLE
PLUMBING
DETAILS

VERSION:
ISSUE DATE:

Job No. : 20.0864
Store : 00763
Date : 07/2021
Drawn By : JR
Checked By : DAK

Sheet

P6.I