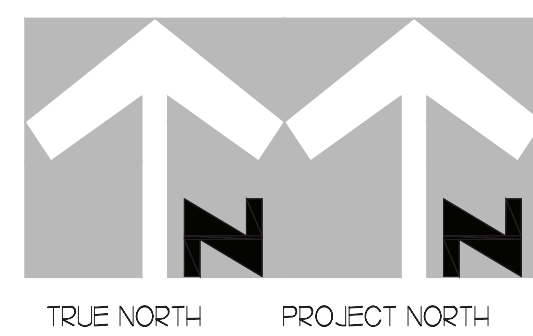


1 WATER PIPING PLAN

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



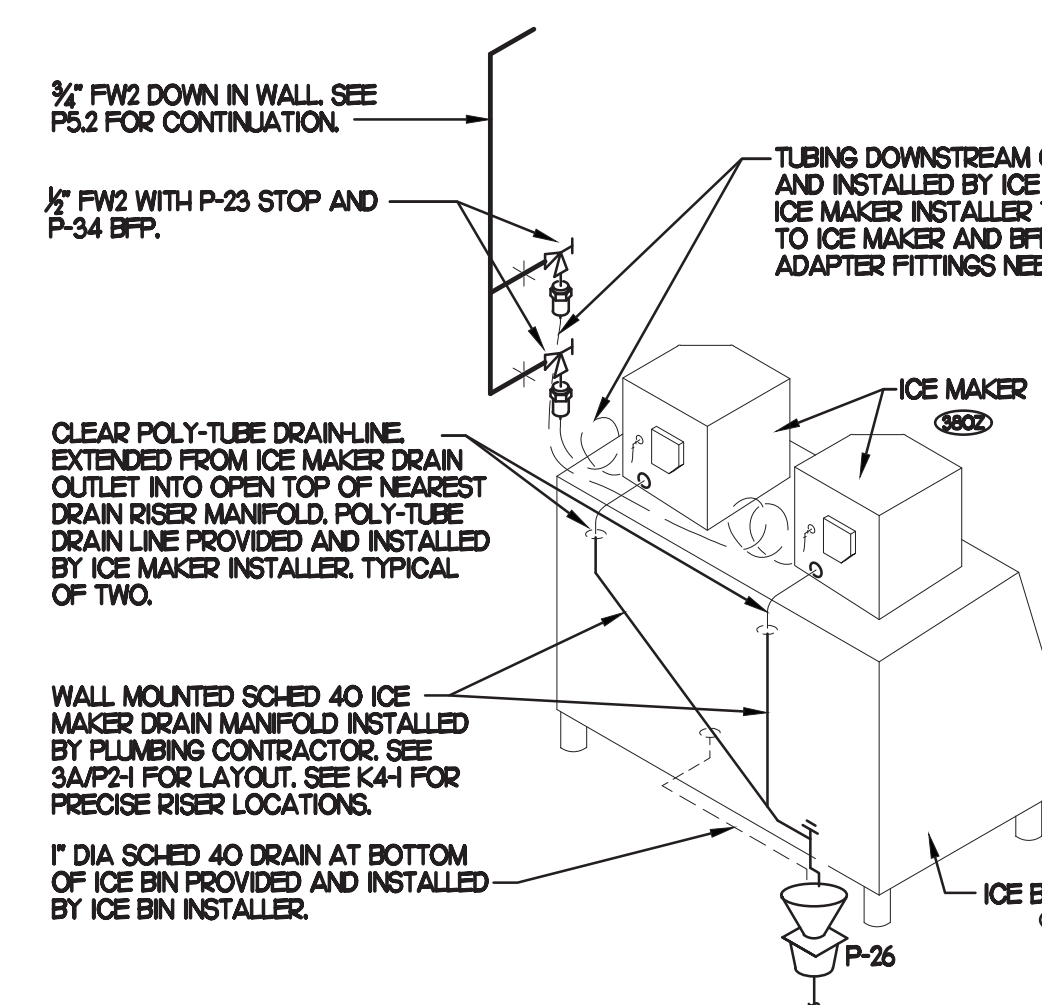
PIPING LEGEND	
	CW - COLD WATER
	HW - HOT WATER
	TW - TEMPERED WATER
	FW - FILTERED WATER TO P-30, CARBONATORS, COFFEE, TEA, AND ICE MAKERS
	EXISTING PIPING

KEY NOTES

- PROVIDE NEW WATER FILTERS TO REPLACE EXISTING. VERIFY EXACT LOCATION AND CONNECTIONS PRIOR TO BID & CONSTRUCTION. SEE DETAILS.
- OWNER PROVIDED. PLUMBER INSTALLED STOP/BYPASS PANEL. SEE K-SHEET ELEVATIONS FOR EXACT LOCATION. PROVIDE EXPOSED 3/2" BALL VALVE AT CONNECTION TO PANEL. CONNECT 1" DIA SCHED 40 PVC TO FACTORY PROVIDED COUPLING MOUNTED ON BACK WALL AND ROUTE BFP DRAIN TIGHT TO WALL TO 12" AFF. EIGHT (8) ASSE IOZ2 RATED BFP'S. PIPING FROM BFP'S TO CARBONATORS SHALL BE BY THE LOCAL SOFT DRINK VENDOR.
- RUN NEW FW AND FW2 FROM NEW WATER FILTERS, AND DEMOLISH ALL EXISTING FW AND FW2.
- 3/2" 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.
- WATER HEATER TO BE REMAIN.
- TURN 3/4" CONDENSATE PIPING OUT OF COOLER AND EXTEND OUTLET TO FLOOR SINK. SECURE PIPING TO COOLER WALL WITH RUBBER INSULATED PIPE CLAMPS TO PREVENT GALVANIC CORROSION. SEAL ALL PENETRATIONS IN WALLS WITH PERMAGUM CORD. TERMINATE ABOVE FUNNEL WITH ELBOW AND AIR GAP.
- 3/2" TYPE L COPPER. PROVIDE 12" OF FALL BEFORE PENETRATING WALL PANEL. COVER WITH 1-3/8" I.D. X 3/2" ARMACEL A/P ARMAFLEX OVER HEAT TRACE CABLE.

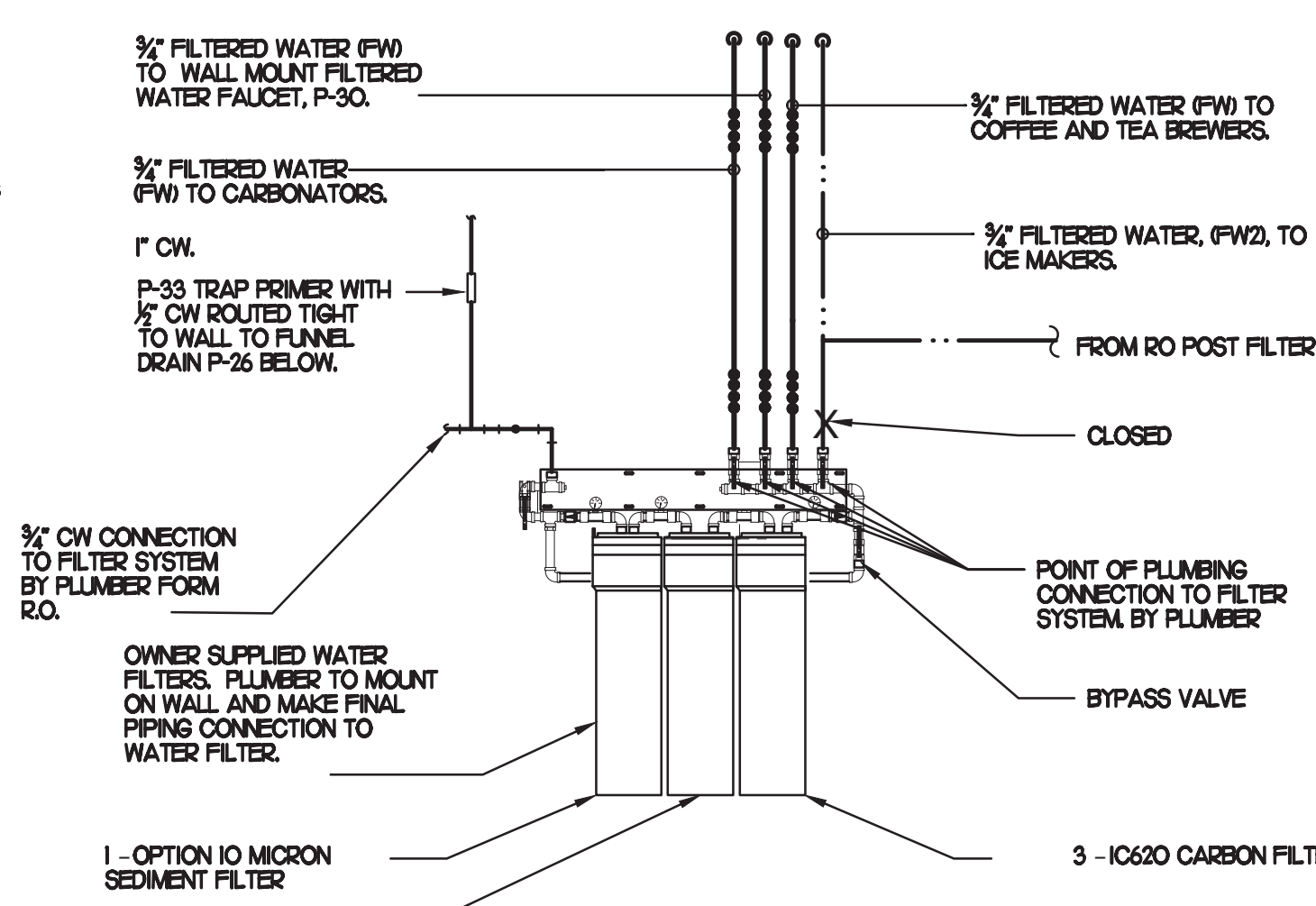
3. SHEET NOTES

- COORDINATE VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 10'-0" CLEARANCE.
- HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING M/F FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
- SEE K-SHEET ELEVATIONS FOR KITCHEN EQUIPMENT LOCATIONS.
- SEE SHEET P-22 FOR BEVERAGE CONDUIT PIPING.
- SEE RISER DIAGRAM (P-5) FOR VENT PIPING. SEE ROOF PLAN (P-4) FOR VENT THRU ROOF (VTR) LOCATION.
- COORDINATE ABOVE-CEILING PIPING LOCATIONS AND ROUTING WITH HVAC CONTRACTOR AND M-SHEETS PRIOR TO INSTALLATION. ALL MAIN DUCT TRUNK LOCATIONS SHALL TAKE PRIORITY. PIPING MAY REQUIRE REMOVAL AND REINSTALLATION AT PLUMBING CONTRACTOR'S EXPENSE IF PIPING OBSTRUCTS THE M-SHEET DUCT LAYOUT AS SHOWN OR PREVENTS ACCESS TO GREASE DUCT CLEANOUT OPENINGS.



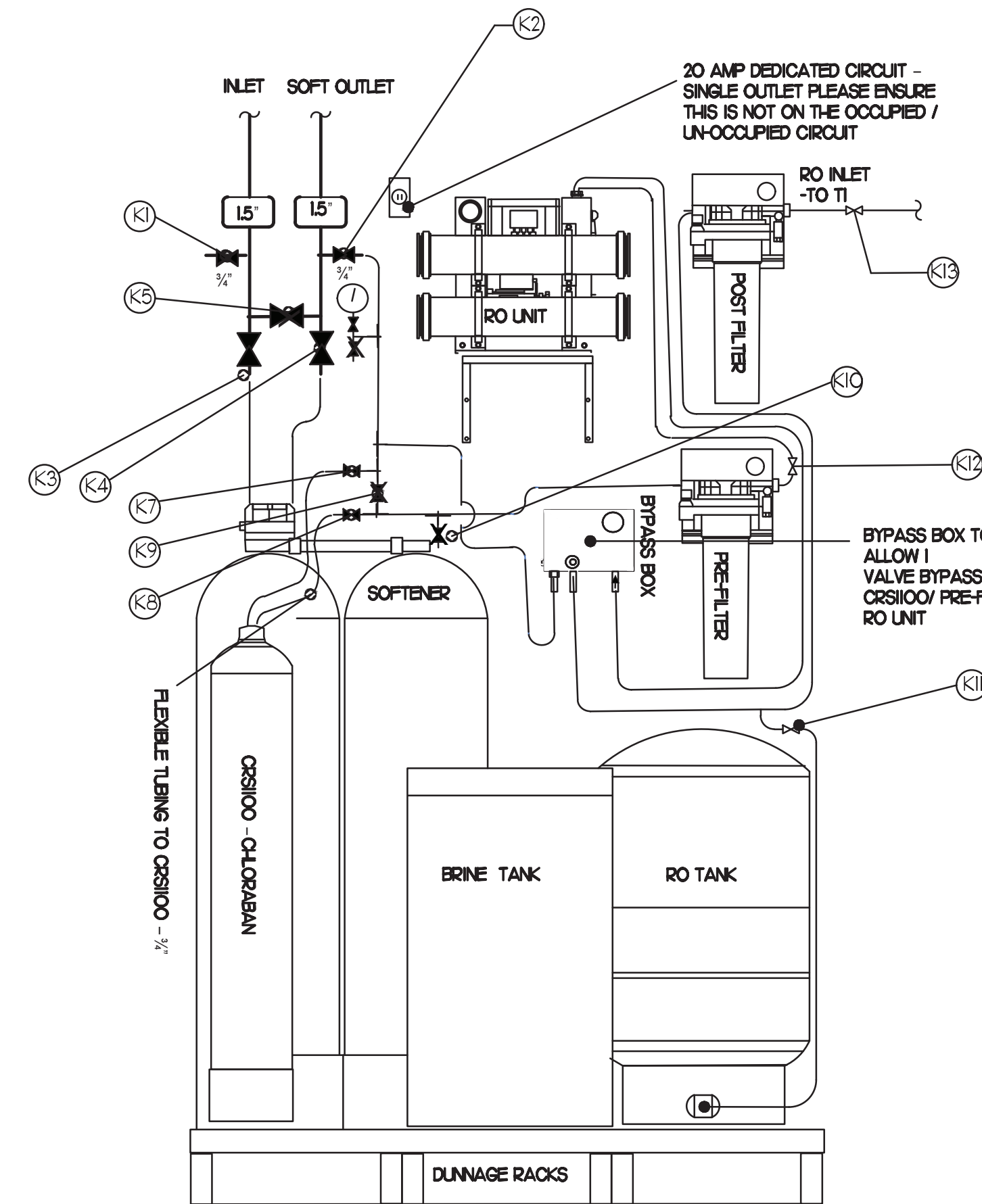
2 ICE MACHINE PIPING

NO SCALE



3 PIPING AT WATER FILTER

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



4 WATER SOFTENER & R.O. SYSTEM DETAIL

NO SCALE

WATER SOFTENER VALVE TAG LEGEND	
VALVE	NORMALLY OPEN OR NORMALLY CLOSED
(K1) HARD WATER FEED	NORMALLY CLOSED
(K2) SOFT WATER FEED	NORMALLY OPEN
(K3) SOFTENER INLET	NORMALLY OPEN
(K4) SOFTENER OUTLET	NORMALLY OPEN
(K5) SOFTENER BYPASS	NORMALLY CLOSED
(K6) DECHLOR INLET	NORMALLY OPEN
(K7) DECHLOR OUTLET	NORMALLY OPEN
(K8) DECHLOR BYPASS	NORMALLY CLOSED
(K9) DECHLOR RINSEDOWN	NORMALLY CLOSED
(K10) RO TANK ISOLATION	NORMALLY OPEN
(K11) PRE-FILTER OUTLET	NORMALLY OPEN
(K12) LEMONADE FILTER OUTLET	NORMALLY OPEN

NOTE: HANDLE IN-LINE WITH PIPING - VALVE OPEN

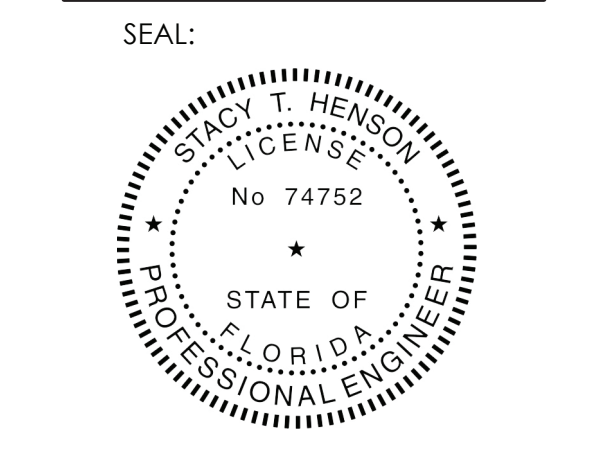


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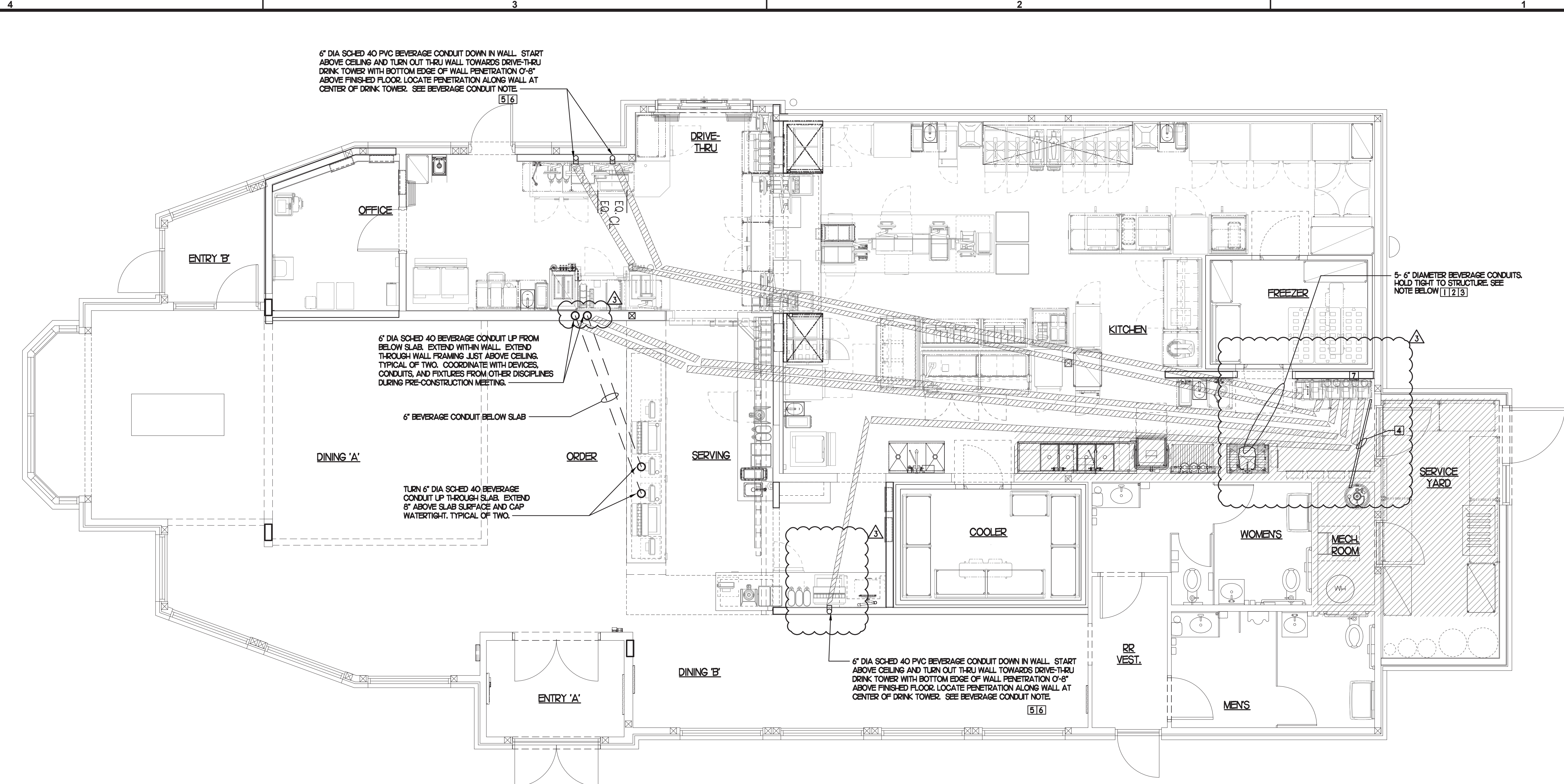
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FL 32837

FSU#01128

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	01/20/23	ISSUED FOR PERMITS
2	01/20/23	ISSUED FOR PERMITS
3	01/20/23	ISSUED FOR PERMITS
4	01/20/23	ISSUED FOR PERMITS
5	01/20/23	ISSUED FOR PERMITS
6	01/20/23	ISSUED FOR PERMITS
7	01/20/23	ISSUED FOR PERMITS
8	01/20/23	ISSUED FOR PERMITS
9	01/20/23	ISSUED FOR PERMITS
10	01/20/23	ISSUED FOR PERMITS

CONSULTANT PROJECT # 2021.0065
DATE January 2023
DRAWN BY AE
CHECKED BY DAK
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WATER PIPING PLAN AND DETAILS
SHEET NUMBER
P2.1



6" DIA SCHED 40 PVC BEVERAGE CONDUIT DOWN IN WALL. START ABOVE CEILING AND TURN OUT THRU WALL TOWARDS DRIVE-THRU DRINK TOWER WITH BOTTOM EDGE OF WALL PENETRATION 0'-6" ABOVE FINISHED FLOOR. LOCATE PENETRATION ALONG WALL AT CENTER OF DRINK TOWER. SEE BEVERAGE CONDUIT NOTE [5] [6]

6" DIA SCHED 40 BEVERAGE CONDUIT UP FROM BELOW SLAB. EXTEND WITHIN WALL. EXTEND THROUGH WALL FRAMING JUST ABOVE CEILING. TYPICAL OF TWO. COORDINATE WITH DEVICES, CONDUITS, AND FIXTURES FROM OTHER DISCIPLINES DURING PRE-CONSTRUCTION MEETING.

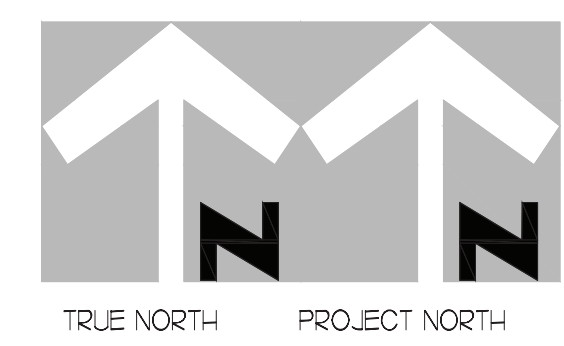
6" BEVERAGE CONDUIT BELOW SLAB

TURN 6" DIA SCHED 40 BEVERAGE CONDUIT UP THROUGH SLAB. EXTEND 6" ABOVE SLAB SURFACE AND CAP WATER TIGHT. TYPICAL OF TWO.

5- 6" DIAMETER BEVERAGE CONDUITS HOLD TIGHT TO STRUCTURE. SEE NOTE BELOW [1] [2] [3]

6" DIA SCHED 40 PVC BEVERAGE CONDUIT DOWN IN WALL. START ABOVE CEILING AND TURN OUT THRU WALL TOWARDS DRIVE-THRU DRINK TOWER WITH BOTTOM EDGE OF WALL PENETRATION 0'-6" ABOVE FINISHED FLOOR. LOCATE PENETRATION ALONG WALL AT CENTER OF DRINK TOWER. SEE BEVERAGE CONDUIT NOTE [5] [6]

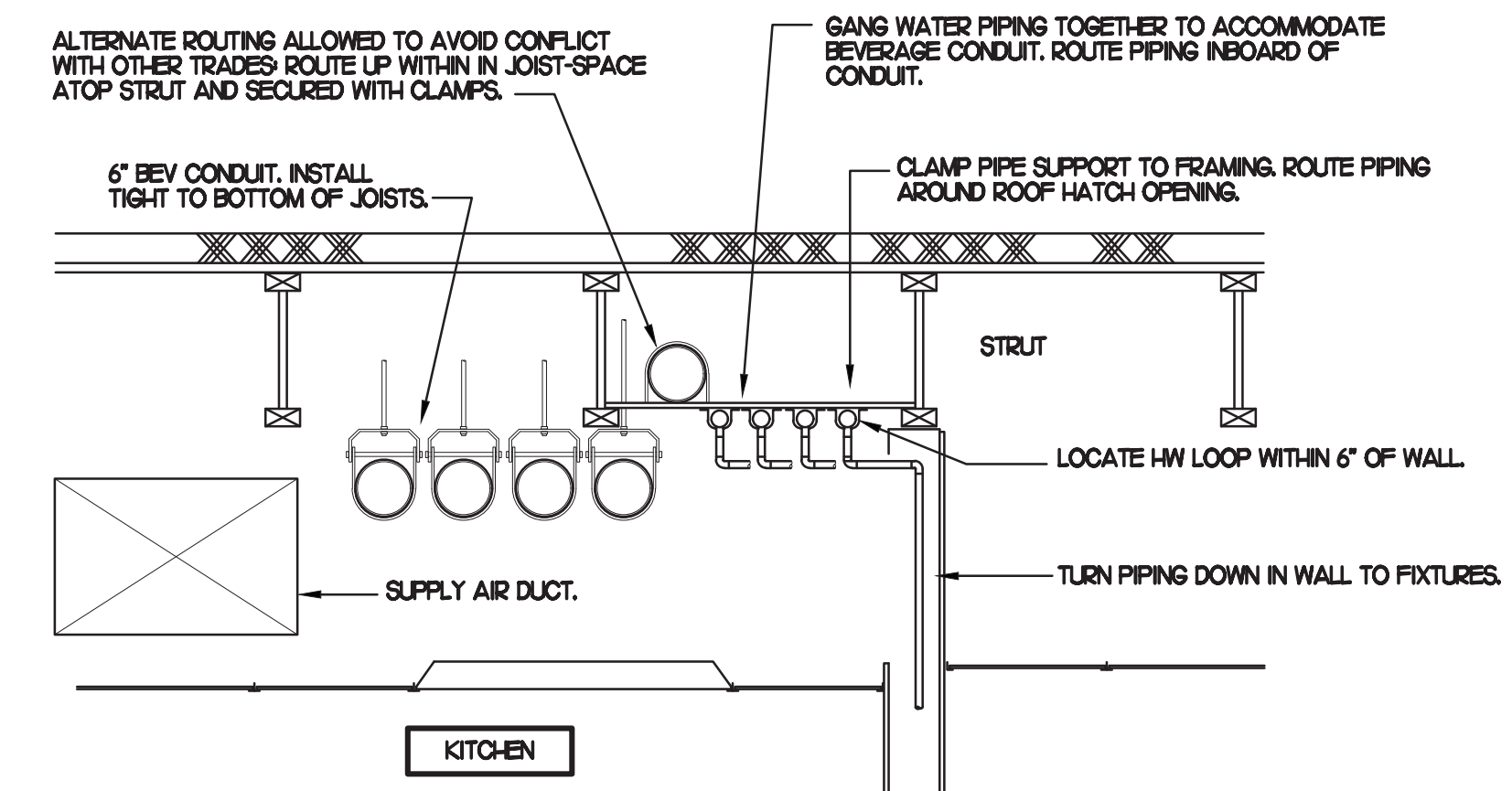
1 BEVERAGE CONDUIT PLAN
1/4"=1'-0"



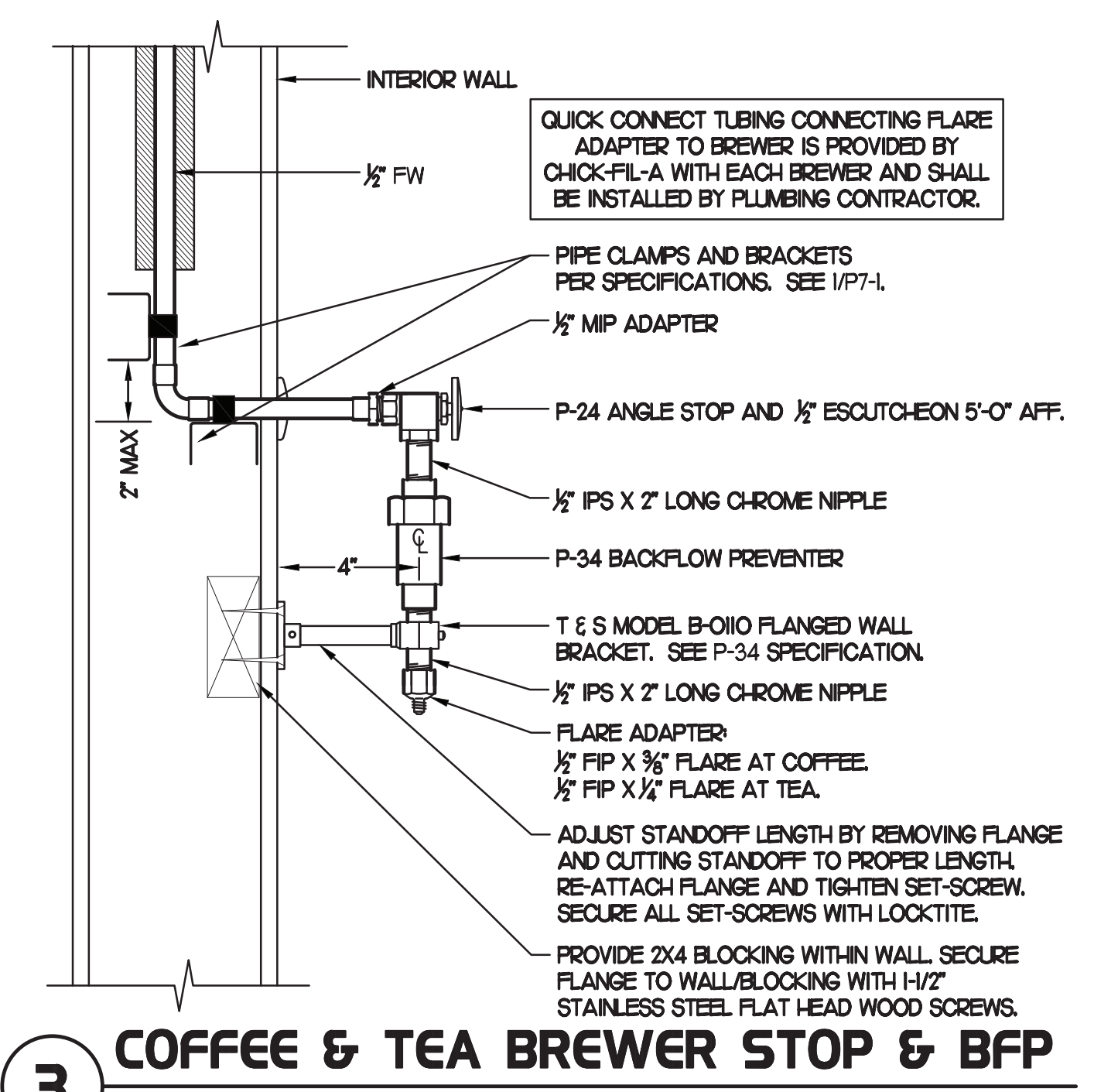
BEVERAGE CONDUIT NOTES

- ROUTE BEVERAGE SYSTEM PIPING OVERHEAD 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 OVERHEAD 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-HJ 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 FROM EXISTING CO2 TANK TO NEW BIB RACK.
- AT CONDUIT DROPS IN DRIVE-THRU AND SERVING AREA, PROVIDE U/BTH 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.

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.



2 SECTION AT WET WALL
SCALE: NONE



3 COFFEE & TEA BREWER STOP & BFP
SCALE: NONE

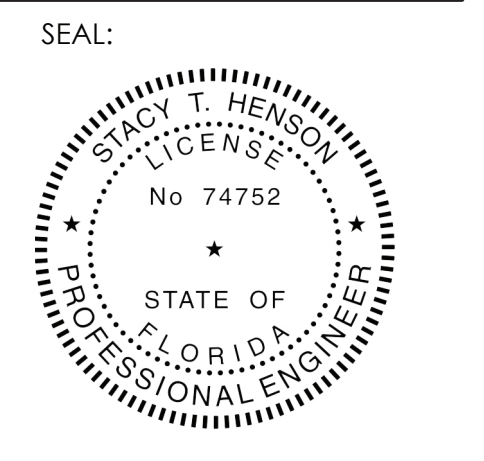


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Orlando
FL 32837

FSU#01128
BUILDING TYPE / SIZE: SS7-100

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 2021.0065
DATE January 2023
DRAWN BY AE
CHECKED BY DAK
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SHEET
PLUMBING DETAILS & BEVERAGE CONDUIT
SHEET NUMBER

P2.2

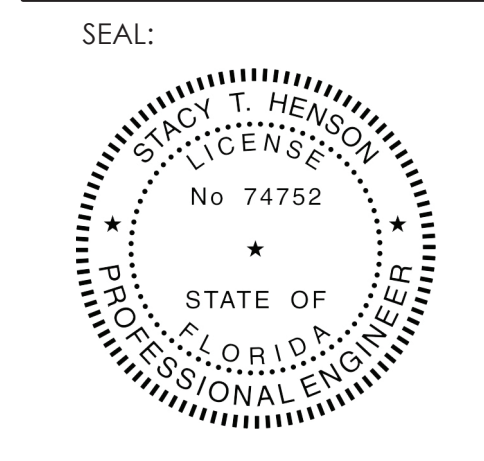


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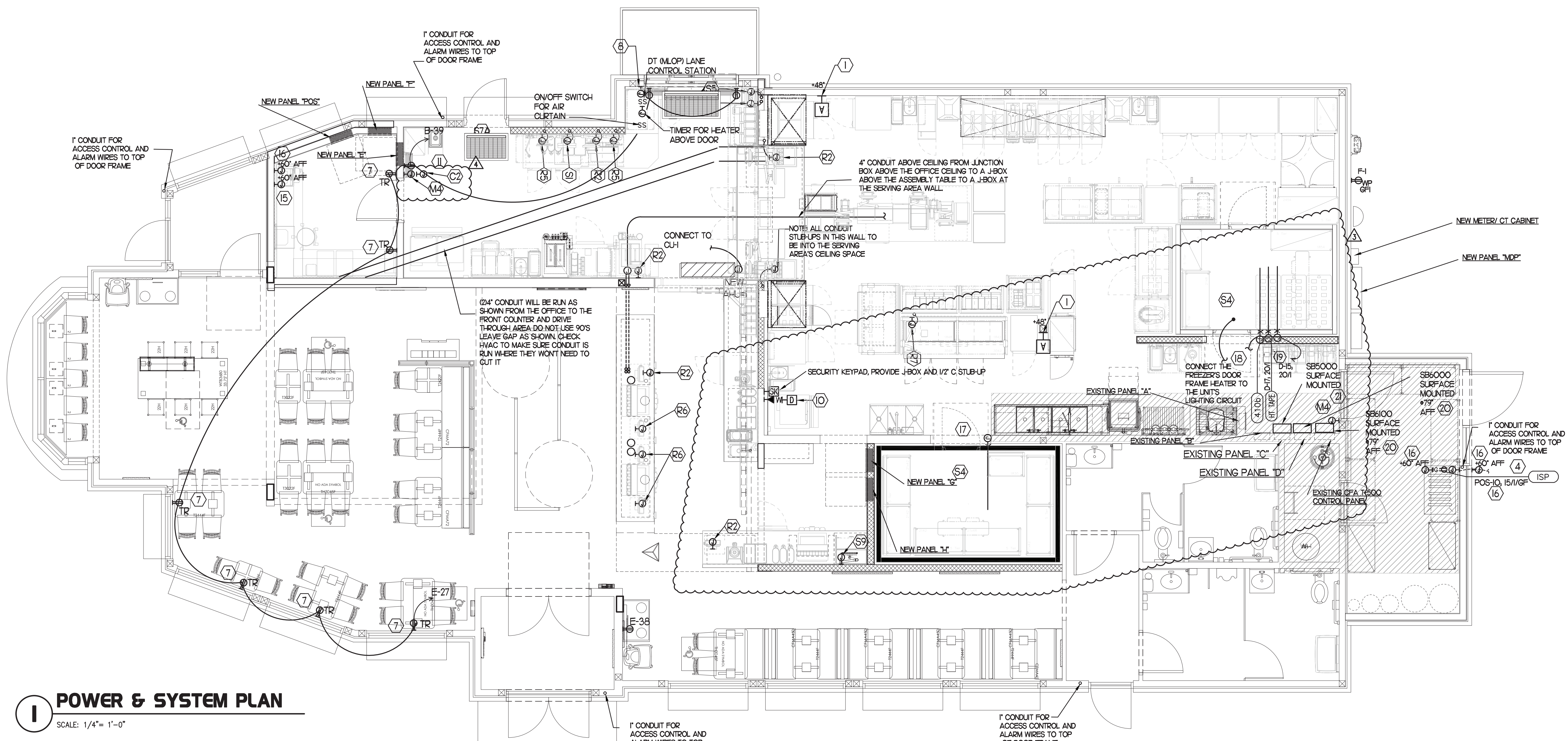
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1 POWER & SYSTEM PLAN
SCALE: 1/4" = 1'-0"

2 KEY NOTES - POWER:

- 1 PROVIDE 2 GANG DEEP BOX (2" MIN) FOR ANSL PULL STATION. EXTEND 1/2" CONDUIT FROM BOX, STUBBED ABOVE CEILING.
- 2 NOT USED
- 3 NOT USED
- 4 ONE 3" ISP SERVICE CONDUIT. EXTEND WITH PULL STRING FROM THE J-BOX TO THE UTILITY SOURCE
- 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 JUNCTION BOX WITH 3/4" CONDUIT STUB-UP INTO THE CEILING SPACE FOR OWNER'S AIR-ONE 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 SEAR AND CONTROLS. EXTEND 1/2" CONDUIT FROM EACH BOX AND STUB ABOVE CEILING. PROVIDE DUPLEX RECEPTACLE IN AN ARLINGTON 40VFR2W DOUBLE - GANG RECESSED BOX FOR THE FLY SYSTEM ITEMS. DO NOT CUT THE CORSET FURNISHED WITH THE UNIT, BUT COIL THE CORD ON THE BACK OF THE UNIT AND TUCK INTO THE BACKBOX
- 11 NOT USED FROM 12 TO 14
- 12 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 MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION.
- 13 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 MANUFACTURERS RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION.
- 14 CONNECT EVAPORATOR UNIT IN COOLER TO COOLER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 15 CONNECT EVAPORATOR UNIT IN FREEZER TO FREEZER CONDENSING UNIT CONTROLS LOCATED ON ROOF. SEE SHEET E2.3.
- 16 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
- 17 SB6000 PANEL ENCLOSURE WITH 3 LITTLE FUSE SHOCK GFCI PROTECTION DEVICES AND SB6100 PANEL ENCLOSURE SHOCK BLOCK GFCI PROTECTION DEVICE. ENSURE CONDUITS ARE INSTALLED FOR LINE AND LOAD WIRES TO BE INSTALLED WITH PROPER WIRE BENDING SPACE. LABEL EACH SHOCK BLOCK WITH PANEL AND CIRCUIT NUMBER IT CONTROLS
- 18 SB6000 PANEL ENCLOSURE WITH 3 LITTLE FUSE SHOCK GFCI PROTECTION DEVICES + SB6060 RATED AT 60AMPS.

3 KEY NOTES - SECURITY:

- 19 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.
- 20 PROVIDE 4" W X 4" X 3" D FLUSH JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID CONDUIT UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE BUSHING ON CONDUIT.
- 21 PROVIDE 4" W X 4" X 3" D JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID E.C. UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE SINGLE-GANG J-BOX ADJACENT WITH 2" RIGID E.C. DOWN THROUGH SLAB AND BELOW GRADE TO REMOTE CAMERA LOCATION. USE ONLY LONG SWEEPS, 3 FEET PER 90 DEGREES. SEE ELECTRICAL SITE PLAN FOR CONTINUATION.
- 22 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.
- 23 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.
- 24 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.
- 25 EXTEND 3/4" RIGID CONDUIT FROM TOP OF STRIKE-SIDE DOOR FRAME CHANNEL TO ABOVE ACCESSIBLE CEILING.
- 26 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN EITHER HINGE-SIDE DOOR VERTICAL FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 27 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.
- 28 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 62.
- 29 EXTEND 1/2" RIGID CONDUIT FROM A POINT 3" WITHIN STRIKE-SIDE WINDOW FRAME MULLION TO ABOVE ACCESSIBLE CEILING.
- 30 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.
- 31 NOT USED
- 32 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:

- 33 PROVIDE DOUBLE-GANG RING (CARLON #SC200RR) WITH STAINLESS STEEL COVER PLATE AND HOLE IN PLATE FOR ALDIO WITH 2" CONDUIT UNDERGROUND TO THE DT DUAL-LANE (MLOP) ORDERING AREA AND A 2" CONDUIT STUBBED UP INTO THE CEILING SPACE.
- 34 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.
- 35 PROVIDE TWO DOUBLE-GANG RINGS (CARLON #SC200RR) WITH STAINLESS STEEL COVER PLATE AND HOLE IN PLATE FOR ALDIO 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.
- 36 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.
- 37 PROVIDE TWO 6-1/2"X4-1/2" 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 ARE AWG INSULATED CU GROUNDING CONDUCTOR IN A 3/4"X3" 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 (ISA/TP BRANCH BREAKER) AND LABEL THE RECEPTACLE FOR FIBER TO CABLE MODEM USE ONLY.

6 CO2 DETECTOR NOTES:

- 38 CO2 CENTRAL CONTROL UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 39 CO2 ANNUNCIATOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 60" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 40 CO2 SENSOR UNIT - PROVIDE SINGLE-GANG BACKBOX AT 12" AFF WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.
- 41 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:

- 42 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.
- 43 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.
- 44 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.
- 45 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:

- 46 PROVIDE A RETROFIT DOUBLE-GANG RING (CARLON #SC200RR) 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.
- 47 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.
- 48 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.
- 49 PROVIDE A RETROFIT SINGLE GANG RING (CARLON #SC100RR) 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.
- 50 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.
- 51 PROVIDE SINGLE GANG EXTRA DEEP JUNCTION BOX MOUNTED ON THE MOUNTING PLATE WITHIN THE FRONT SERVING COUNTER CASEWORK.

CHICK-FIL-A
SOUTHCHASE PLAZA
13085 S Orange Blossom Trail
Orlando
FL 32837

FSU#01128

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
01	2021.0065	ISSUE FOR PERMIT
02	2023.0001	REVISED PER COMMENTS

CONSULTANT PROJECT # 2021.0065
DATE January 2023
DRAWN BY MI
CHECKED BY SN
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POWER & SYSTEMS PLAN & NOTES
SHEET NUMBER
E2.2



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

INTERPLAN

INTERPLAN LLC
AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

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

SEAL:



This item has been digitally signed and sealed by Gregory Henderson on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

CHICK-FIL-A
SOUTHCHASE PLAZA
13085 S Orange Blossom Trail
Orlando
FL 32837

FSU#01128

BUILDING TYPE / SIZE: S97-100

RELEASE: -

PRINTED FOR: CONSTRUCTION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	2023.01	ISSUED FOR PERMIT
2	2023.01	ISSUED FOR PERMIT
3	2023.01	ISSUED FOR PERMIT
4	2023.01	ISSUED FOR PERMIT
5	2023.01	ISSUED FOR PERMIT
6	2023.01	ISSUED FOR PERMIT
7	2023.01	ISSUED FOR PERMIT
8	2023.01	ISSUED FOR PERMIT
9	2023.01	ISSUED FOR PERMIT
10	2023.01	ISSUED FOR PERMIT

CONSULTANT PROJECT # 2021.0065

DATE: January 2023

DRAWN BY: MI

CHECKED BY: SN

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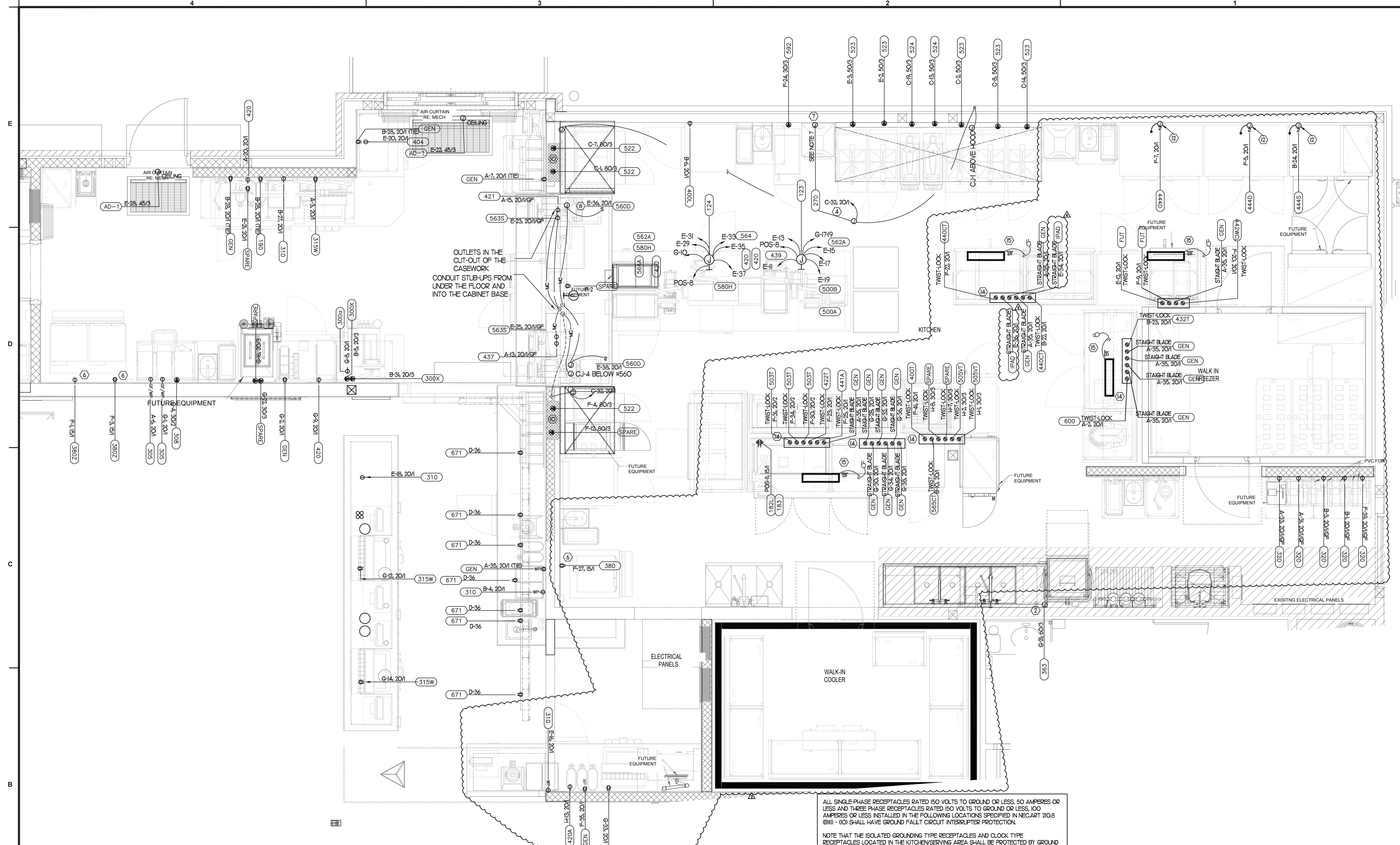
SHEET

ENLARGED POWER PLAN

SHEET NUMBER

E2.4

MARIBR - 12/12/2023 12:58:31 PM



UPDATED: 3/1/2023 7:31 pm
ISSUED FOR: APPROVAL

(EXISTING) PANEL A

CKT	LOAD SERVED	COND	PHASE	NEUT	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	Ø	LOAD SERVED	CKT
1	ORDER REGISTER	1/2"	#12	#12	#12	20/1	R	1200										2
3	REV STATION	1/2"	#12	#12	#12	20/1	R	1200										4
5	PAR RECEPTACLE	1/2"	#12	#12	#12	20/1	R	1200										6
7	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										8
9	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										10
11	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										12
13	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										14
15	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										16
17	DOOR BELL	1/2"	#12	#12	#12	20/1	R	1200										18
19	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										20
21	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	R	1200										22
23	SANDWICH SLIDE	1/2"	#12	#12	#12	20/1	R	1200										24
25	SANDWICH SLIDE	1/2"	#12	#12	#12	20/1	R	1200										26
27	COOLER CONDENSER	1/2"	#12	#12	#12	15/1	K	1130										28
29	COOLER CONDENSER	1/2"	#12	#12	#12	15/1	K	1130										30
31	CARBONATOR	1/2"	#12	#12	#12	20/1	K	854										32
33	CARBONATOR	1/2"	#12	#12	#12	20/1	K	854										34
35	GENERAL OUTLETS	1/2"	#12	#12	#12	20/1	K	854										36
37	FRISH ENCLOSURE	1/2"	#12	#12	#12	20/1	R	300										38
39	FRISH ENCLOSURE	1/2"	#12	#12	#12	20/1	R	300										40
41	FRISH ENCLOSURE	1/2"	#12	#12	#12	20/1	R	300										42

INTERRUPT RATING: EXISTING 13248 | 1428 | 13444 FROM: NEW PANEL G

LOADS (N VA)	CONNECTED	DEMAND	MINIMUM	LOADS	CONNECTED	DEMAND	MINIMUM	REMAINING
LIGHTING	0	1.25	0	NON-SEASONAL MOTORS	1200	1.0	1200	0
RECEPTS TO 10 KVA	10000	1.0	10000	LARGEST MOTOR	0	0.25	0	
RECEPTS REMAINING	2110	0.5	1055	WATER HEATING	240	1.0	240	
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	1181.8	0.65	7747	
AIR CONDITIONING	12872	1.0	12872	TOTAL CONNECTED LOAD	38.1	KVA	105.8	
				TOTAL DEMAND LOAD	36.8	KVA	91.4	
				OVERALL DEMAND FACTOR	0.88			

UPDATED: 10/20/2023 2:39 pm
ISSUED FOR: APPROVAL

(EXISTING) PANEL C

CKT	LOAD SERVED	COND	PHASE	NEUT	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	Ø	LOAD SERVED	CKT
1	OPEN	1-1/4"	#3	#3	#3	Ø/3	K	2000										2
3	FRYER	#3	#3	#3	#3	Ø/3	K	2000										4
5	FRYER	#3	#3	#3	#3	Ø/3	K	2000										6
7	FRYER	1-1/4"	#3	#3	#3	Ø/3	K	2000										8
9	FRYER	#3	#3	#3	#3	Ø/3	K	2000										10
11	FRYER	#3	#3	#3	#3	Ø/3	K	2000										12
13	CHWFLTR	3/4"	#8	#8	#10	50/3	K	4000										14
15	COOKER	#8	#8	#8	#8	Ø/8	K	4000										16
17	COOKER	#8	#8	#8	#8	Ø/8	K	4000										18
19	PRESSURE FRYER	3/4"	#8	#8	#10	50/3	K	4000										20
21	SPARE																	22
23	SPARE																	24
25	SPARE																	26
27	SPARE																	28
29	SPARE																	30
31	SPARE																	32
33	SPARE																	34
35	SPARE																	36
37	SPARE																	38
39	SPARE																	40
41	SPARE																	42

INTERRUPT RATING: EXISTING 39300 | 39300 | 39300 FROM: (NEW) PANEL MDP

LOADS (N VA)	CONNECTED	DEMAND	MINIMUM	LOADS	CONNECTED	DEMAND	MINIMUM	REMAINING
LIGHTING	300	1.25	375	NON-SEASONAL MOTORS	0	1.0	0	
RECEPTS TO 10 KVA	0	0.0	0	LARGEST MOTOR	0	0.25	0	
RECEPTS REMAINING	0	0.0	0	WATER HEATING	0	1.0	0	
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	117000	0.65	78440	
AIR CONDITIONING	0	1.0	0	TOTAL CONNECTED LOAD	117.9	KVA	327.5	
				TOTAL DEMAND LOAD	76.8	KVA	213.4	
				OVERALL DEMAND FACTOR	0.65			

UPDATED: 8/24/2023 5:47 pm
ISSUED FOR: APPROVAL

(NEW) PANEL E

CKT	LOAD SERVED	COND	PHASE	NEUT	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	Ø	LOAD SERVED	CKT
1	SHUNT TRIP SPACE	3/4"	#8	#8	#10	50/3	K	4500										2
3	PRESSURE FRYER	3/4"	#8	#8	#10	50/3	K	4500										4
5	SHUNT TRIP SPACE	3/4"	#8	#8	#10	50/3	K	4500										6
7	SHUNT TRIP SPACE	3/4"	#8	#8	#10	50/3	K	4500										8
9	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										10
11	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										12
13	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										14
15	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										16
17	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										18
19	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										20
21	FUTURE EQUIP	1/2"	#12	#12	#12	20/1	K	1200										22
23	UC REFRIG	3/4"	#12	#12	#12	20/1	K	3000										24
25	UC REFRIG	3/4"	#12	#12	#12	20/1	K	3000										26
27	RECEPTACLE BOOTH	3/4"	#12	#12	#12	20/1	K	3000										28
29	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										30
31	FUTURE EQUIP	1/2"	#12	#12	#12	20/1	K	1200										32
33	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										34
35	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										36
37	DRIP CORD OUTLET	1/2"	#12	#12	#12	20/1	K	1200										38
39	THAWING CABINET	1/2"	#12	#12	#12	20/1	K	600										40
41	SPARE																	42

INTERRUPT RATING: EXISTING 24128 | 25266 | 23766 FROM: NEW PANEL MDP

LOADS (N VA)	CONNECTED	DEMAND	MINIMUM	LOADS	CONNECTED	DEMAND	MINIMUM	REMAINING
LIGHTING	0	1.25	0	NON-SEASONAL MOTORS	0	1.0	0	
RECEPTS TO 10 KVA	3360	1.0	3360	LARGEST MOTOR	0	0.25	0	
RECEPTS REMAINING	0	0.0	0	WATER HEATING	0	1.0	0	
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	69798	0.65	45359	
AIR CONDITIONING	0	1.0	0	TOTAL CONNECTED LOAD	73.2	KVA	203.2	
				TOTAL DEMAND LOAD	48.7	KVA	135.4	
				OVERALL DEMAND FACTOR	0.67			

UPDATED: 3/1/2023 7:34 pm
ISSUED FOR: APPROVAL

(EXISTING) PANEL B

CKT	LOAD SERVED	COND	PHASE	NEUT	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	Ø	LOAD SERVED	CKT
1	CARBONATOR	1/2"	#12	#12	#12	20/1	K	850										2
3	CARBONATOR	1/2"	#12	#12	#12	20/1	K	850										4
5	ICE CREAM MACHINE	1/2"	#12	#12	#12	20/1	K	1600										6
7	SPARE																	8
9	SPARE																	10
11	SPARE																	12
13	SPARE																	14
15	SANDWICH TOASTER	1/2"	#12	#12	#12	20/1	K	850										16
17	HOLDING CABINET	1/2"	#12	#12	#12	20/1	K	850										18
19	GENERAL OUTLET	1/2"	#12	#12	#12	20/1	K	850										20
21	UC REFRIG	1/2"	#12	#12	#12	20/1	K	1200										22
23	UC REFRIG	1/2"	#12	#12	#12	20/1	K	1200										24
25	COFFEE WARMERS	1/2"	#12	#12	#12	20/1	K	1200										26
27	JUICE DISPENSER	1/2"	#12	#12	#12	20/1	K	1200										28
29	SPARE																	30
31	ICE CREAM MACHINE	1/2"	#12	#12	#12	20/1	K	1600										32
33	ICE CREAM MACHINE	1/2"	#12	#12	#12	20/1	K	1600										34
35	SPARE																	36
37	SPARE																	38
39	FLY SYSTEM	1/2"	#12	#12	#12	15/1	K	850										40
41	ROOF REC	1/2"	#12	#12	#12	20/1	R	1200										42

INTERRUPT RATING: EXISTING 13362 | 10622 | 14382 FROM: (NEW) PANEL F

LOADS (N VA)	CONNECTED	DEMAND	MINIMUM	LOADS	CONNECTED	DEMAND	MINIMUM	REMAINING
LIGHTING	28519	1.25	35638	NON-SEASONAL MOTORS	2840	1.0		

