



Chick-fil-A

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



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Kurzynske & Associates License
No. F-0823, Expires 12/31/23



CHICK-FIL-A
Peters Creek
3343 Sides Branch Road
Winston-Salem, NC 27127

FSR#02681

BUILDING TYPE / SIZE: S08N-R
RELEASE: V12.20

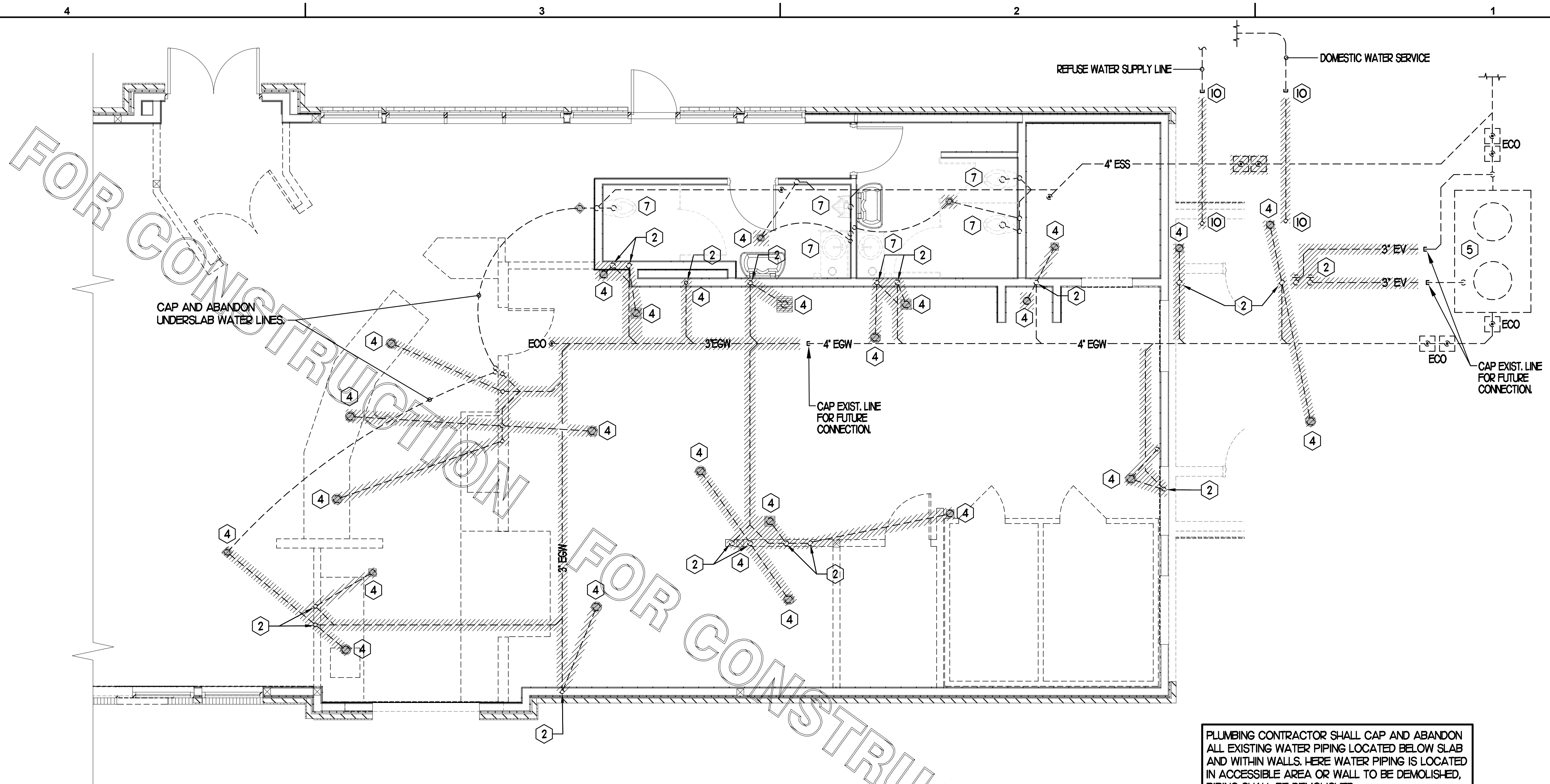
REVISION SCHEDULE
NO. DATE DESCRIPTION

CONSULTANT PROJECT # 22116.HF.R
PRINTED FOR CONSTRUCTION
DATE 09/29/2022
DRAWN BY JP

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SHEET
BELOW SLAB
DEMO PLAN
SHEET NUMBER

P0.1



NOTE:
PLUMBING CONTRACTOR SHALL CLEAN OUT THE EXISTING SANITARY SEWER LINE WITHIN SPACE TO MAIN BUILDING SEWER LINE WHICH SHALL BE FIELD VERIFIED EITHER AT THE STREET OR IN THE PARKING LOT AND ALSO VERIFY ALL NEW WASTE LINES ARE CLEAR. LINES SHALL BE CLEARED OF ALL EXISTING DEBRIS AND SHALL BE GUARANTEED THAT A CLEAR FLOW SHALL EXIST WHEN CFA TAKES POSSESSION. AFTER WASTE LINES ARE INSTALLED, PRIOR TO GRAVEL AND CONCRETE POUR, PLUMBING CONTRACTOR SHALL MAINTAIN THAT WASTE LINE STUB-UPS ARE CAPPED TO ENSURE THAT GRAVEL AND CONCRETE DO NOT ENTER PIPING.

1 BELOW SLAB PLUMBING DEMOLITION PLAN
SCALE: 1/4"=1'-0"

PLUMBING CONTRACTOR SHALL CAP AND ABANDON ALL EXISTING WATER PIPING LOCATED BELOW SLAB AND WITHIN WALLS. HERE WATER PIPING IS LOCATED IN ACCESSIBLE AREA OR WALL TO BE DEMOLISHED, PIPING SHALL BE DEMOLISHED.

PRIOR TO CONSTRUCTION, PLUMBING CONTRACTOR SHALL COORDINATE EXISTING LOCATIONS OF EXISTING WATER LINES (BUILDING SUPPLY, DUMPSTER PAD, FIRE SPRINKLER, ETC.) IF DEEMED NECESSARY, REROUTE NEW LINES, SIZED SAME AS EXISTING FROM BUILDING IN ORDER TO AVOID ANY CONFLICT WITH NEW BUILDING ADDITION. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PIPING & TRENCHING REQUIRED.

SHEET NOTES

- 1 VERIFY IF EXISTING SLAB IS A POST TENSION TYPE. CONTRACTOR IS REQUIRED TO PERFORM GROUND PENETRATING RADAR (GPR) TEST ON THE FLOOR PRIOR TO CUTTING FLOOR FOR KITCHEN DRAIN RELOCATIONS.
- 2 LOCATIONS OF WASTE LINES, VENTS, CW LINES & OTHER UNDER AND ABOVE GROUND ITEMS AS SHOWN ON THESE PLANS ARE APPROXIMATE AND THEIR ACTUAL LOCATION MAY VARY SIGNIFICANTLY. FIELD VERIFY ALL EXISTING CONDITIONS, INCLUDING LOCATION, FALL, DIRECTION OF FLOW AND CONNECTING INVERTS, PRIOR TO COMMENCING WORK. NOTIFY CHICK-FIL-A CONSTRUCTION REPRESENTATIVE IF EXISTING MAJOR DISCREPANCIES IN ROUTING OF SERVICE LINES ARE DISCOVERED IN FIELD.
- 3 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE DURING BID PHASE, WITH EXISTING DRAWINGS PROVIDED BY THE OWNER, IN ORDER TO DETERMINE THE TRUE AS-BUILT CONDITIONS OF THE POTABLE WATER, SANITARY WASTE-VENT AND OTHER PIPING SYSTEMS.
- 4 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, STORING, AND RELOCATING EXISTING PLUMBING EQUIPMENT. PLUMBING CONTRACTOR TO COORDINATE DISCONNECTING OF EXISTING EQUIPMENT WITH GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.
- 5 ALL LINES THAT ARE TO BE ABANDONED IN PLACE SHALL BE DEMOLISHED MIN. 6' BELOW SLAB, IN WALL OR ABOVE CEILING AND PLUGGED WATER/AIR TIGHT. ALL AFFECTED ADJACENT SURFACES SHALL BE REPAIRED AND REFINISHED TO MATCH SURROUNDING AREA.
- 6 VERIFY ALL FIXTURES THAT ARE TO BE REUSED ARE IN GOOD USABLE CONDITION, REPLACE FIXTURE IF DEFICIENCIES ARE FOUND
- 7 EXCEPT AS NOTED ON PLAN OR DETAILS, ALL NEW OR RELOCATED FLOOR DRAINS SHALL BE INSTALLED CENTERED IN 3 FT. DIAM. 1" DEEP SLAB DEPRESSION.
- 8 CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND LEVELING OF FLOOR DEPRESSIONS IN AREAS WHERE EXISTING FLOOR DRAINS, CLEANOUTS &/OR OTHER FLOOR ITEMS ARE BEING DEMOLISHED, ABANDONED OR RELOCATED.

KEY NOTES

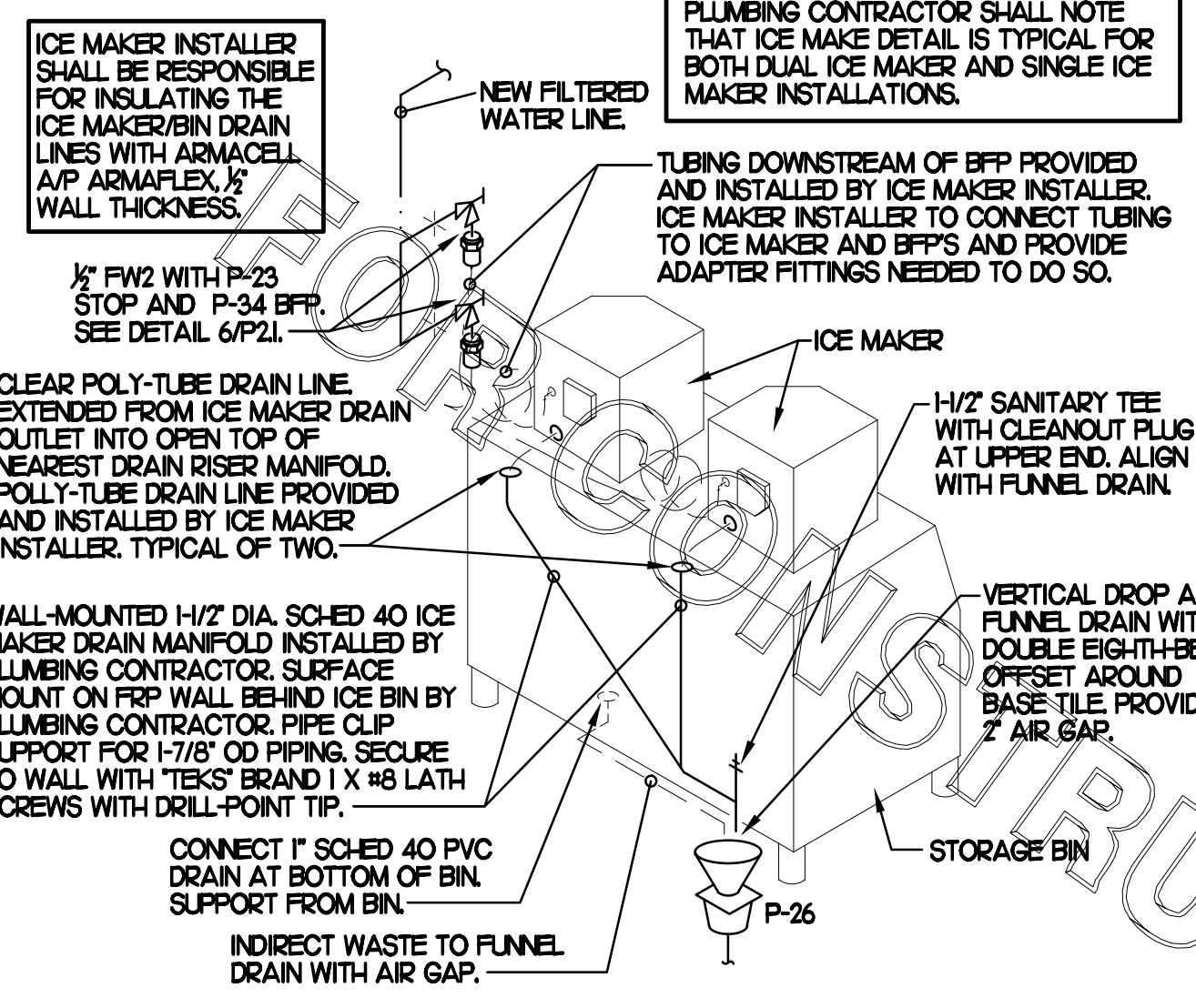
- 1 EXISTING FLOOR FIXTURE TO REMAIN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE IS CLEAR AND USABLE AND TRAP PRIMER (IF EXISTING) IS WORKING PROPERLY. IF DEFICIENCIES FOUND IN FIELD, REPLACE PRIMER &/OR WATER SUPPLY LINE OR REPLACE FIXTURE AS NECESSARY.
- 2 DEMOLISH EXISTING VENT IN WALL AND CAP OFF ABOVE CEILING AND BELOW SLAB. VENT BELOW SLAB SHALL BE CAPPED OFF JUST ABOVE TAKE-OFF FROM WASTE LINE.
- 3 EXISTING VENT TO REMAIN IN WALL.
- 4 DEMOLISH EXISTING FLOOR FIXTURE OR ABOVE SLAB FIXTURE, IF NECESSARY. PREPARE LINES FOR CONNECTION OF NEW FIXTURE OR EXTENSION. REFER TO P.I. COORDINATE WORK WITH G.C. IF FLOOR DRAIN IS DEMOLISHED, IF EXISTING, CAP WATER LINE FROM TRAP PRIMER.
- 5 EXISTING GREASE TRAP TO REMAIN.
- 6 PLUMBING CONTRACTOR SHALL DEMOLISH EXISTING TRAP PRIMER LOCATED BELOW COUNTER AND CAP OFF AND ABANDON EXISTING WATER PIPING BELOW SLAB.
- 7 DEMOLISH EXISTING RESTROOM FIXTURE. CAP WASTE CONNECTION BELOW SLAB, WHERE APPLICABLE, CAP EXISTING VENT/CW/HW CONNECTIONS BACK TO RESPECTIVE MAINS FOR FUTURE CONNECTION.
- 8 CAP AND ABANDON BELOW SLAB WATER LINES.
- 9 EXISTING WATER LINES IN WALL AND BELOW SLAB SERVING RESTROOMS ARE TO REMAIN. SEE P.I. AND P.2 FOR CONNECTION NOTES.
- 10 EXISTING WATER LINES SHALL BE CAPPED-OFF OUTSIDE OF BUILDING OUTLINE. HATCHED LINES BELOW SLAB ARE TO BE DEMOLISHED/ABANDONED. ANY EXISTING LINES ABOVE CEILING TO REMAIN ARE TO BE CAPPED FOR FUTURE CONNECTION. SEE SHEETS P.I. AND P.2 FOR NEW LINE ROUTING AND CONNECTIONS.

SITE PIPING DEMO NOTES

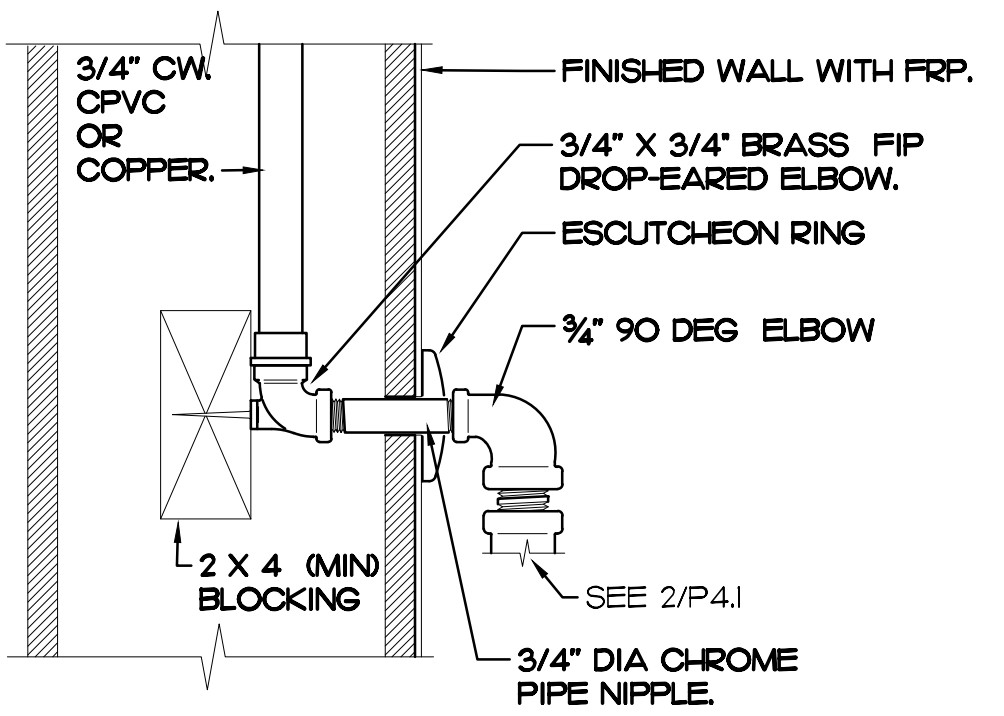
- CAREFULLY EXAMINE & VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING ANY DEMOLITION WORK. FIELD VERIFY ALL SERVICE LINES LOCATIONS, DIAMETERS, ROUTING, INVERTS ETC.
- REFER TO SITE PLAN FOR EXACT LOCATION OF EXISTING GREASE INTERCEPTOR AND ALL SITE PIPING.

PIPING LEGEND

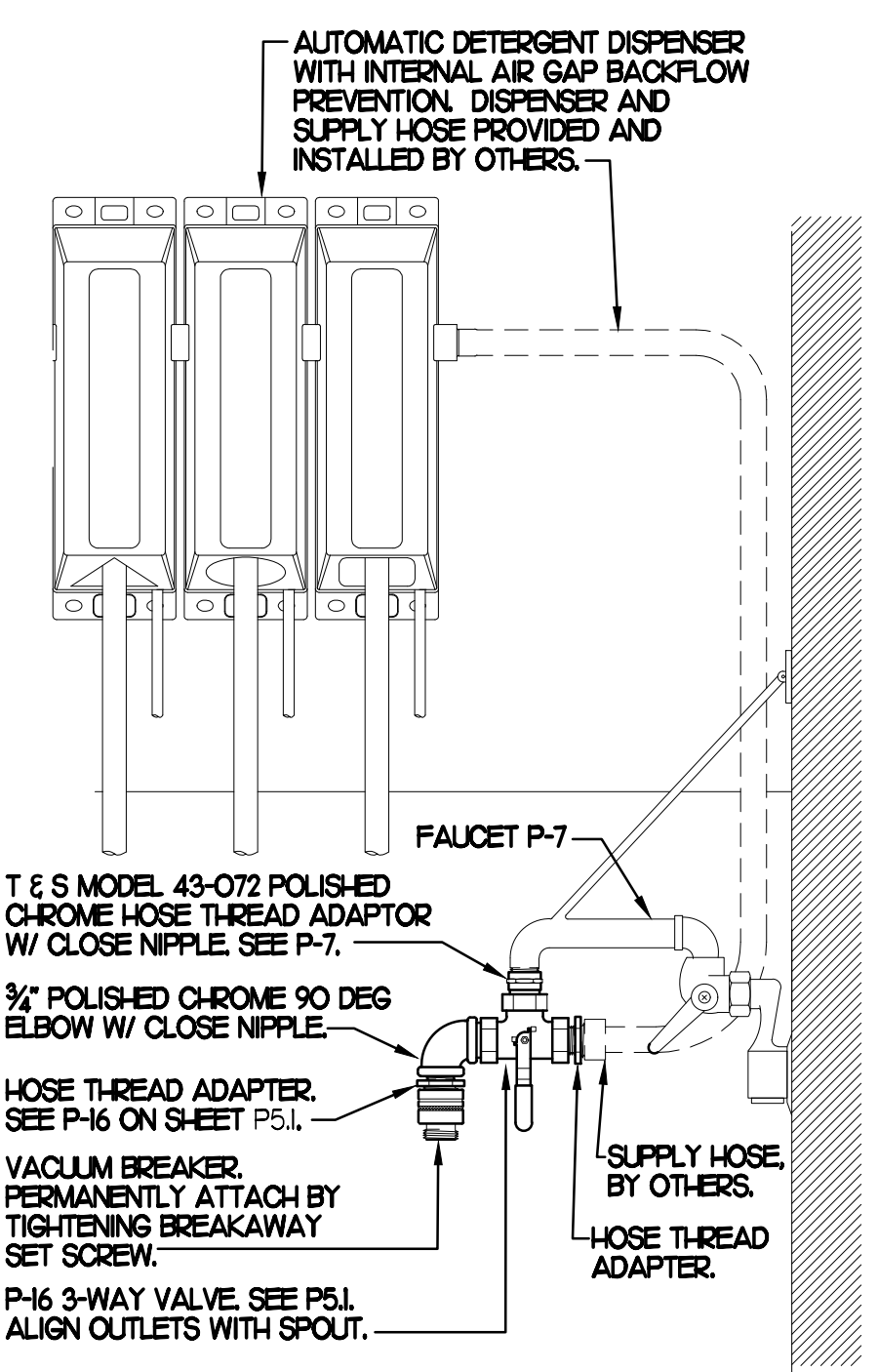
EXISTING GREASE WASTE (EGW)	--- EGW ---
EXISTING SANITARY SEWER (ESS)	--- ESS ---
EXISTING FILTERED WATER UNDER GROUND (EFW)	--- EFW ---
EXISTING COLD WATER UNDER GROUND (ECW)	--- ECW ---
EXISTING TEMPERED WATER UNDER GROUND (ETW)	--- ETW ---
EXISTING HOT WATER UNDER GROUND (EHW)	--- EHW ---
EXISTING LINE/FIXTURE TO BE DEMOLISHED	---/---/---
EXISTING WATER LINES IN WALL TO BE DEMOD	---/---/---



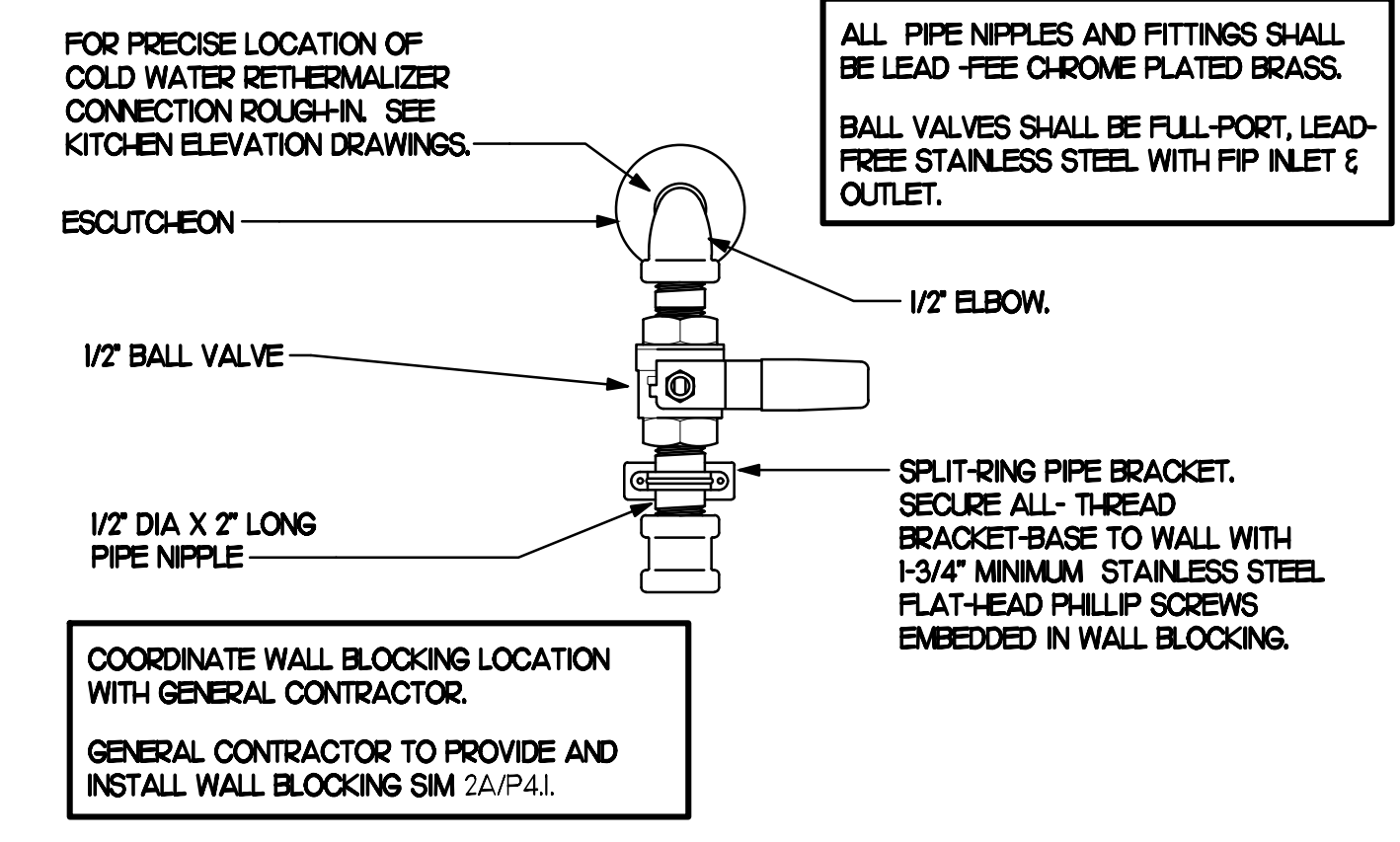
3 ICE MACHINE PIPING
SCALE: NONE



2A SECTION AT PIPING WITHIN WALL
SCALE: NONE



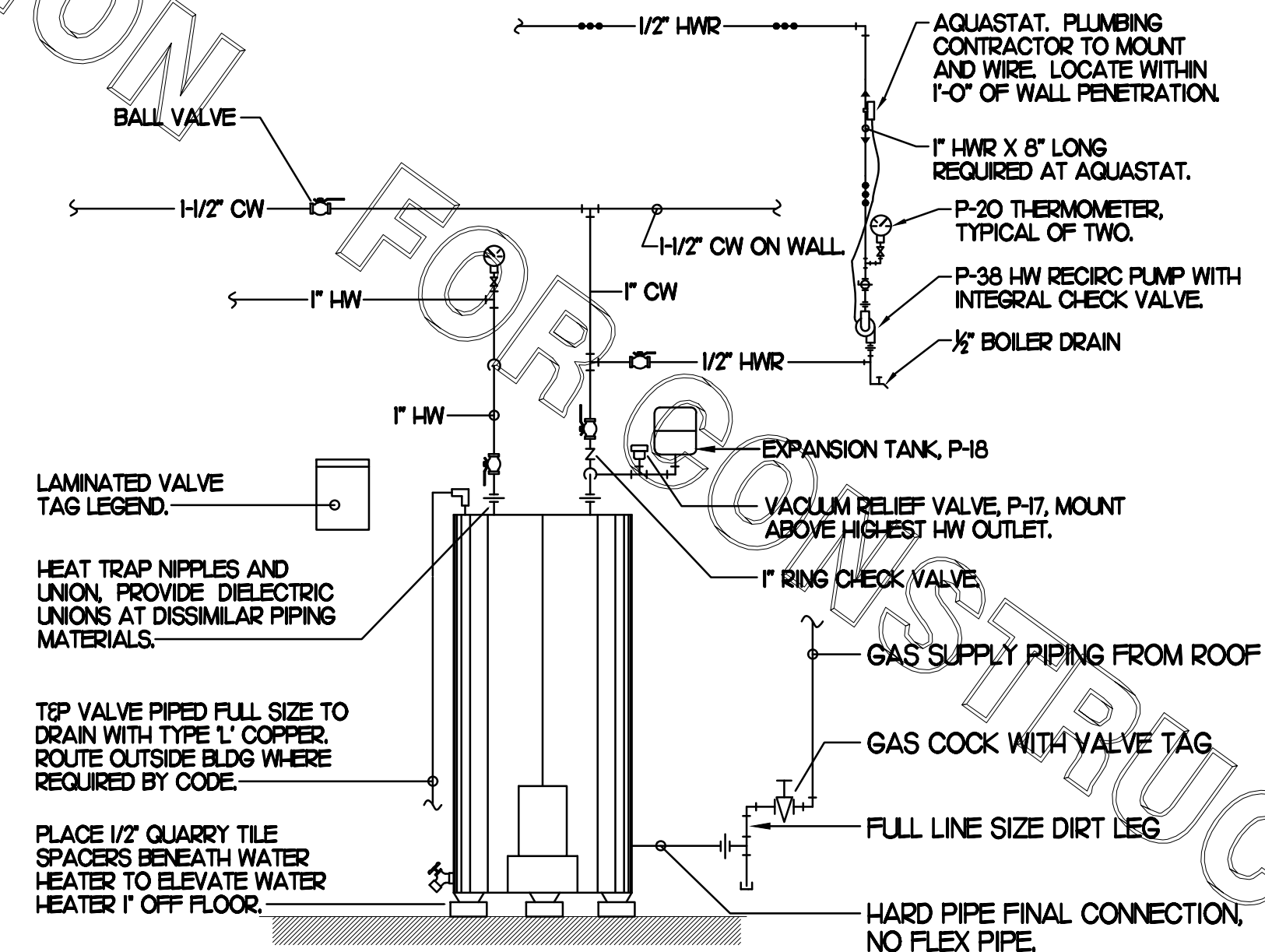
4 3-WAY VALVE AT MOP SINK
SCALE: NONE



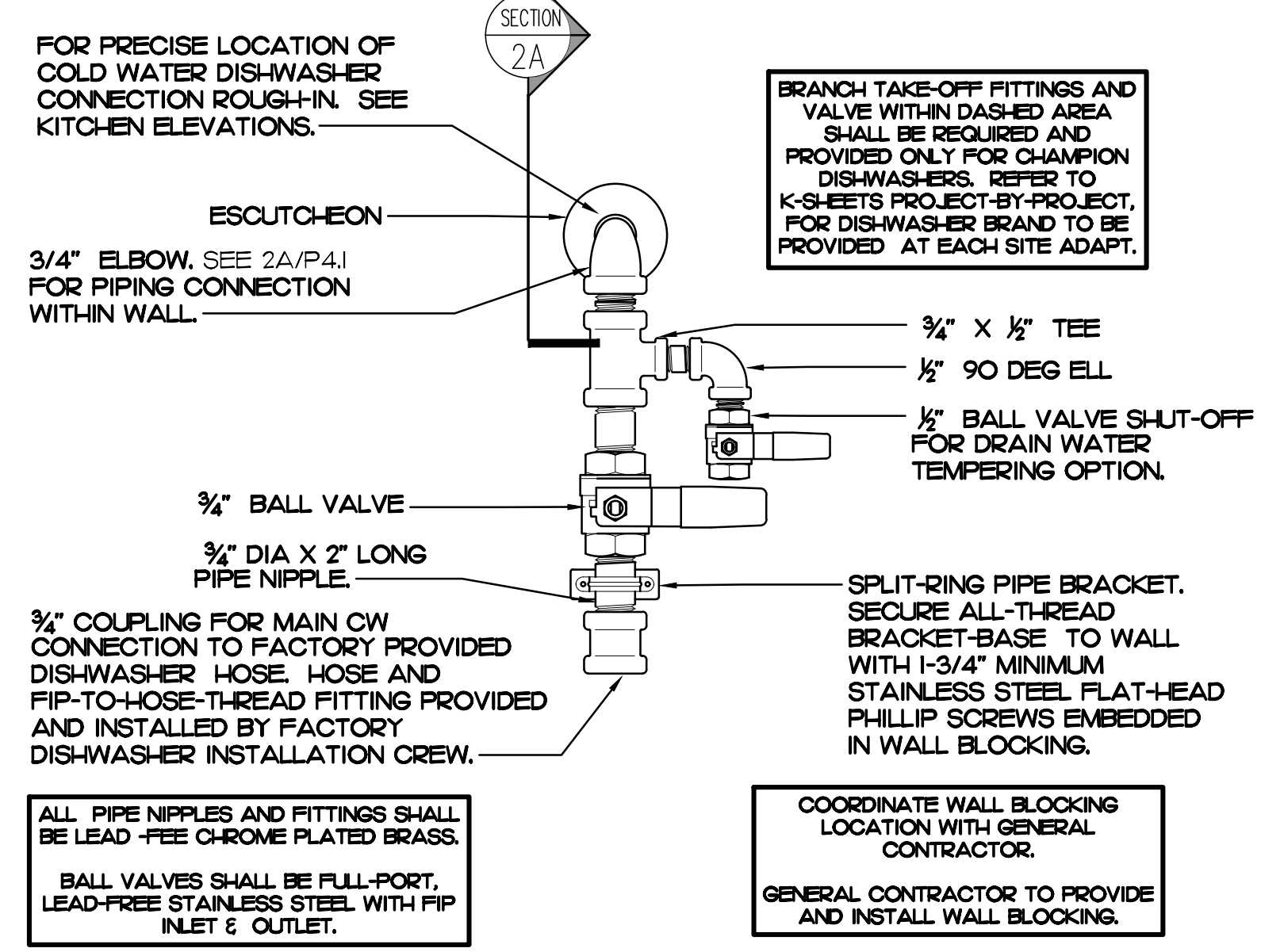
1 RETHERMALIZER WATER SUPPLY VALVE
SCALE: NONE

NOTE TO WATER HEATER INSTALLER:

1 POSITION VALVES AND TRIM IN MECH ROOM SUCH THAT VALVES AND TRIM ARE UNOBSTRUCTED TO VIEW AND SO THAT ACCESS FOR OPERATION OR REPAIR IS POSSIBLE WITHOUT USE OF STEP LADDERS OR NEED TO DISASSEMBLE ANY COMPONENTS.



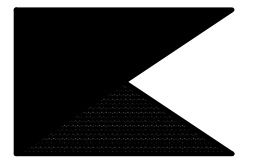
5 WATER HEATER & PIPING DETAIL
SCALE: NONE



2 DISHWASHER WATER SUPPLY VALVE ASSEMBLY
SCALE: NONE



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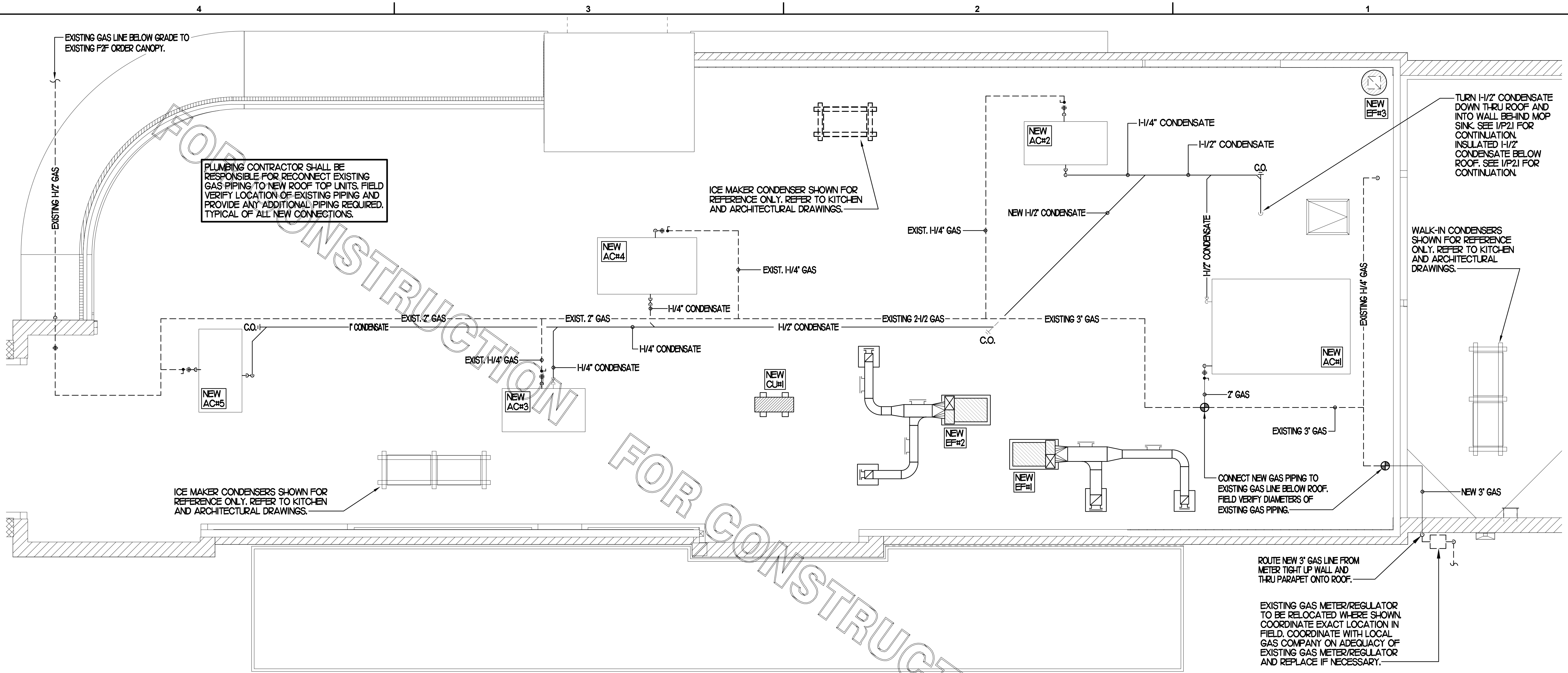
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SHEET
PLUMBING
DETAILS
SHEET NUMBER

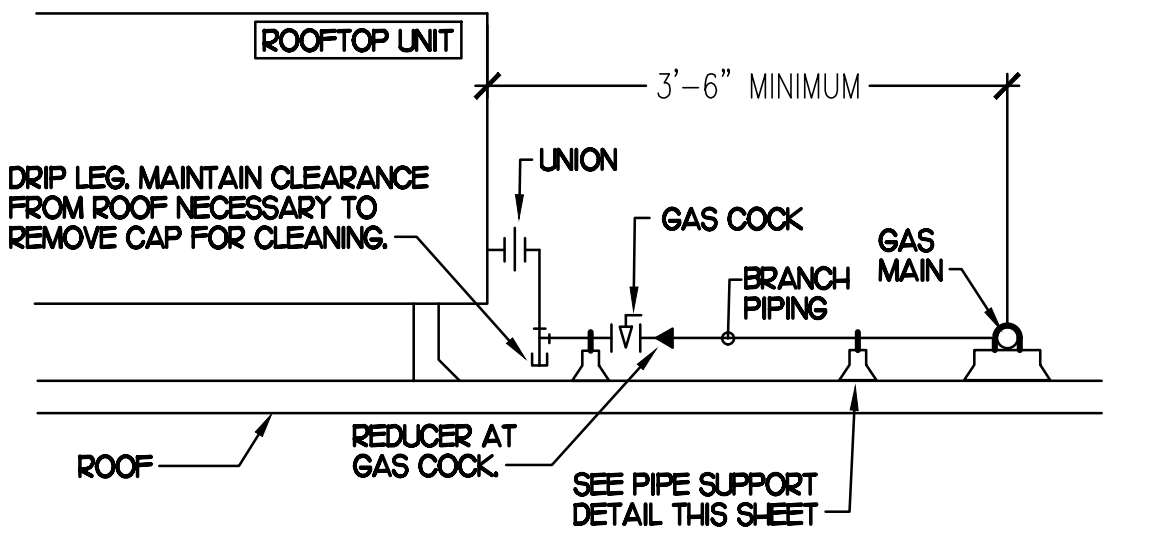
P4.1



ROOF PIPING NOTE:
 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF EXISTING GAS & CONDENSATE PIPING NO LONGER NEEDED ALONG WITH THE INSTALLATION OF ALL NEW GAS & CONDENSATE PIPING REQUIRED. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW PIPING REQUIRED.

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

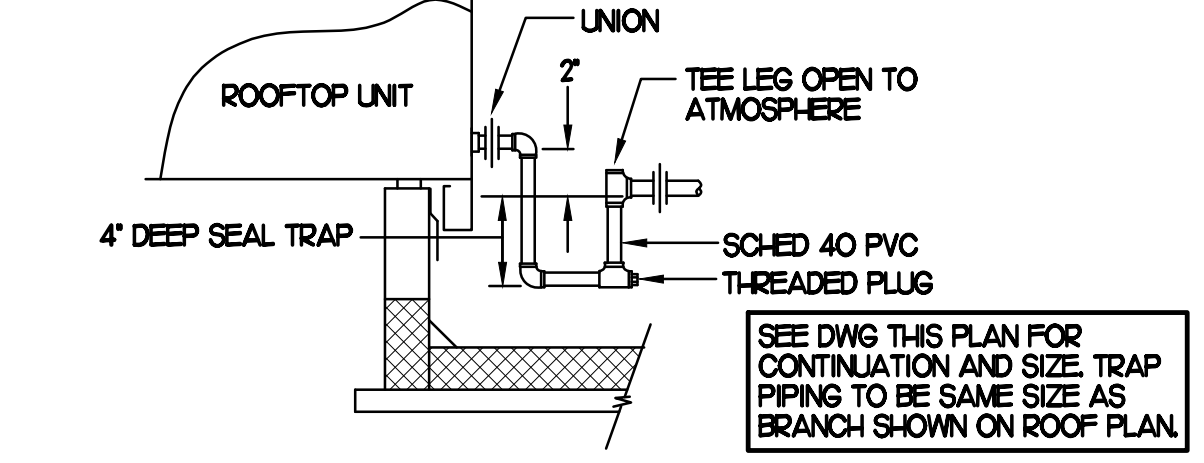
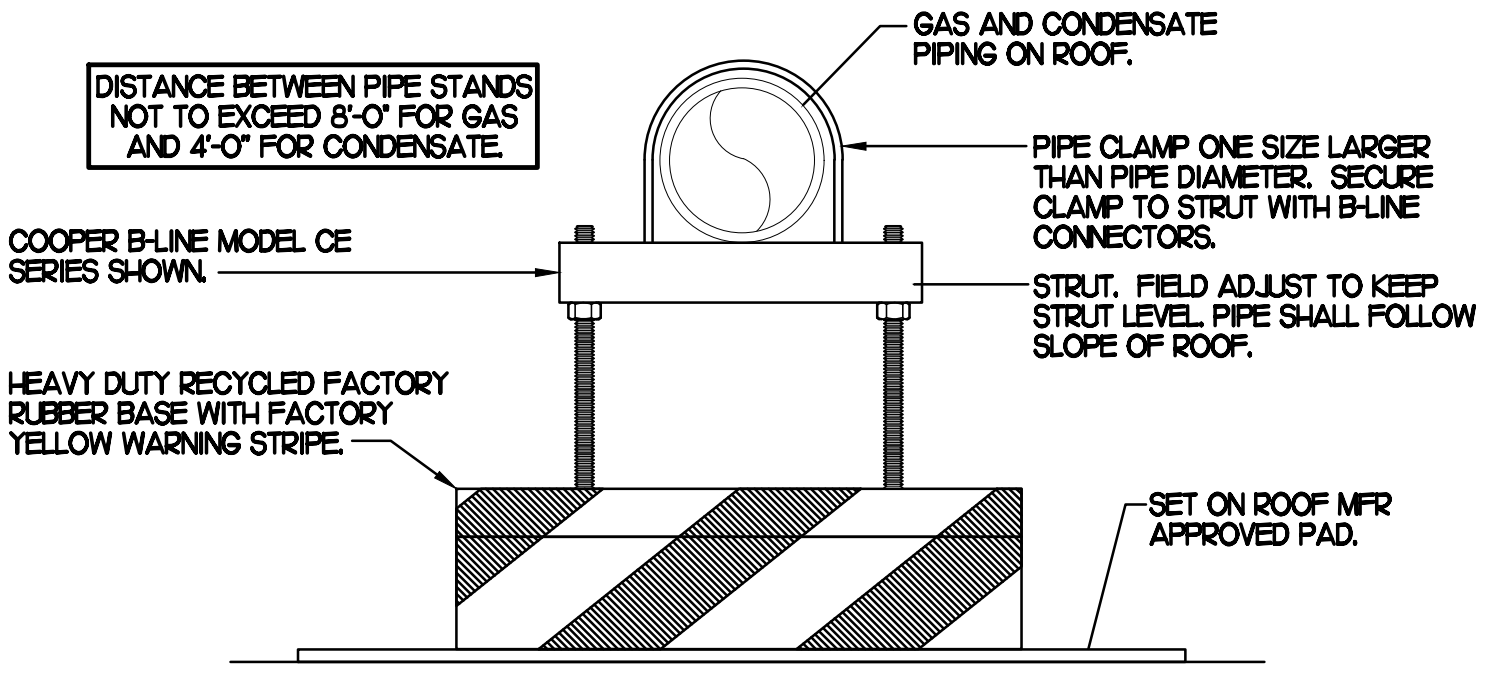
- NOTES:**
- NON ADJUSTABLE MODEL CIO PIPE STAND TO BE USED FOR NON-ELEVATED PIPING INSTALLED FLAT ON ROOF DECK.
 - PROVIDE MODEL CE-8 OR CE-12 OR CE-16 AS NEEDED FOR ELEVATING CONDENSATE PIPING TO MAINTAIN PROPER SLOPE AND FOR GAS PIPING CROSSING OVER CONDENSATE PIPING.
 - ENSURE GAS AND CONDENSATE 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.



- SHEET NOTES**
- NEW GAS PIPING SHALL BE PAINTED WITH A ZINC BASED PRIMER WITH A COLOR TOP COAT SPECIFIED BY THE GC. WHERE COLOR TOP COAT IS NOT REQUIRED, TWO COATS OF ZINC BASE PRIMER SHALL BE USED. ALL FIELD JOINTS SHALL BE COATED WITH TWO COATS OF A ZINC BASED PRIMER. SLEEVE ALL WALL PENETRATIONS WITH SCHEDULE 40 PVC AND PROVIDE STAINLESS STEEL ESCUTCHEONS ON BOTH SIDES OF WALL PENETRATIONS.
 - PIPING ON ROOF SHALL NOT BE INSTALLED NEARER THAN 1'-0" FROM INSIDE EDGE OF PARAPET UNLESS NOTED OTHERWISE.
 - CONDENSATE PIPING ON ROOF SHALL BE SCHEDULE 40 PVC.
 - ANY EXISTING PENETRATIONS OF ROOF BY EXISTING GAS, CONDENSATE, REFRIGERANT OR OTHER PIPING THAT ARE NOT BEING REUSED FOR NEW PIPING SHALL BE PATCHED AND REPAIRED (WATERTIGHT) TO MATCH SURROUNDING AREA.
 - FIELD VERIFY ALL LOCATIONS, DIAMETERS, CLEARANCES AND ROUTING OF EXISTING LINES AND EQUIPMENT.

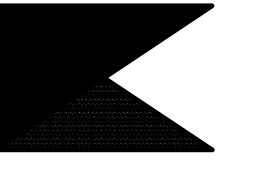
GAS CONNECTION SCHEDULE	
EQUIPMENT	GAS LOAD
AC#1 (NEW)	480,000 BTUS
AC#2 (NEW)	150,000 BTUS
AC#3 (NEW)	150,000 BTUS
AC#4 (NEW)	240,000 BTUS
AC#5 (NEW)	150,000 BTUS
WATER HEATER (NEW)	125,000 BTUS
GI#H#4 (50,000 EA)	200,000 BTUS
TOTAL CONNECTED LOAD	1,675,000 BTUS

REMARKS: 1) EQUIVALENT TO 1,675 CFH
 2) 7" W.C. DELIVERY PRESSURE
 3) DEVELOPED LENGTH: 175 FT. (METER TO GI#)
 4) VERIFY GAS LOAD OF EXISTING EQUIPMENT.



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SHEET
 ROOF PLAN
 AND DETAILS

SHEET NUMBER

P3.1



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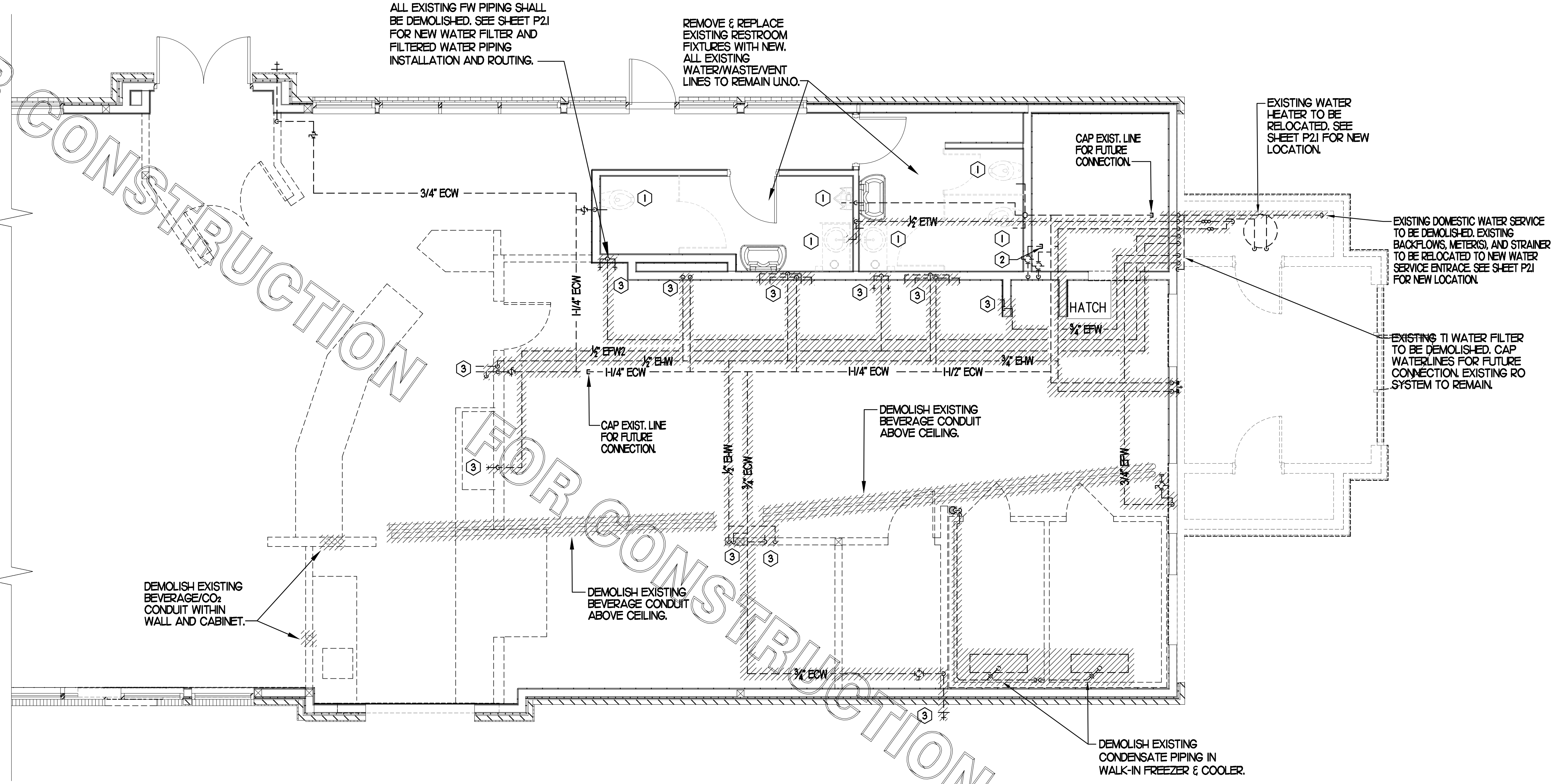
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SHEET
ABOVE SLAB
DEMO PLAN
SHEET NUMBER

P0.2



1 ABOVE SLAB PLUMBING DEMOLITION PLAN
SCALE: 1/4"=1'-0"

SITE PIPING DEMO NOTES

- CAREFULLY EXAMINE & VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING ANY DEMOLITION WORK. FIELD VERIFY ALL SERVICE LINES LOCATIONS, DIAMETERS, ROUTING, INVERTS ETC.
- REFER TO SITE PLAN FOR EXACT LOCATION OF EXISTING GREASE INTERCEPTOR AND ALL SITE PIPING.

PIPING LEGEND

EXISTING GREASE WASTE (EGW)	---	EGW	---
EXISTING SANITARY SEWER (ESS)	---	ESS	---
EXISTING FIRE PROTECTION LINE (F)	---	4F	---
EXISTING COLD WATER UNDER GROUND (ECW)	---	ECW	---
EXISTING TEMPERED WATER UNDER GROUND (ETW)	---	ETW	---
EXISTING HOT WATER UNDER GROUND (E-W)	---	E-W	---
EXISTING LINE/FIXTURE TO BE DEMOLISHED	//////		//////
EXISTING WATER LINE(S) IN WALL TO BE DEMOD	oo		oo

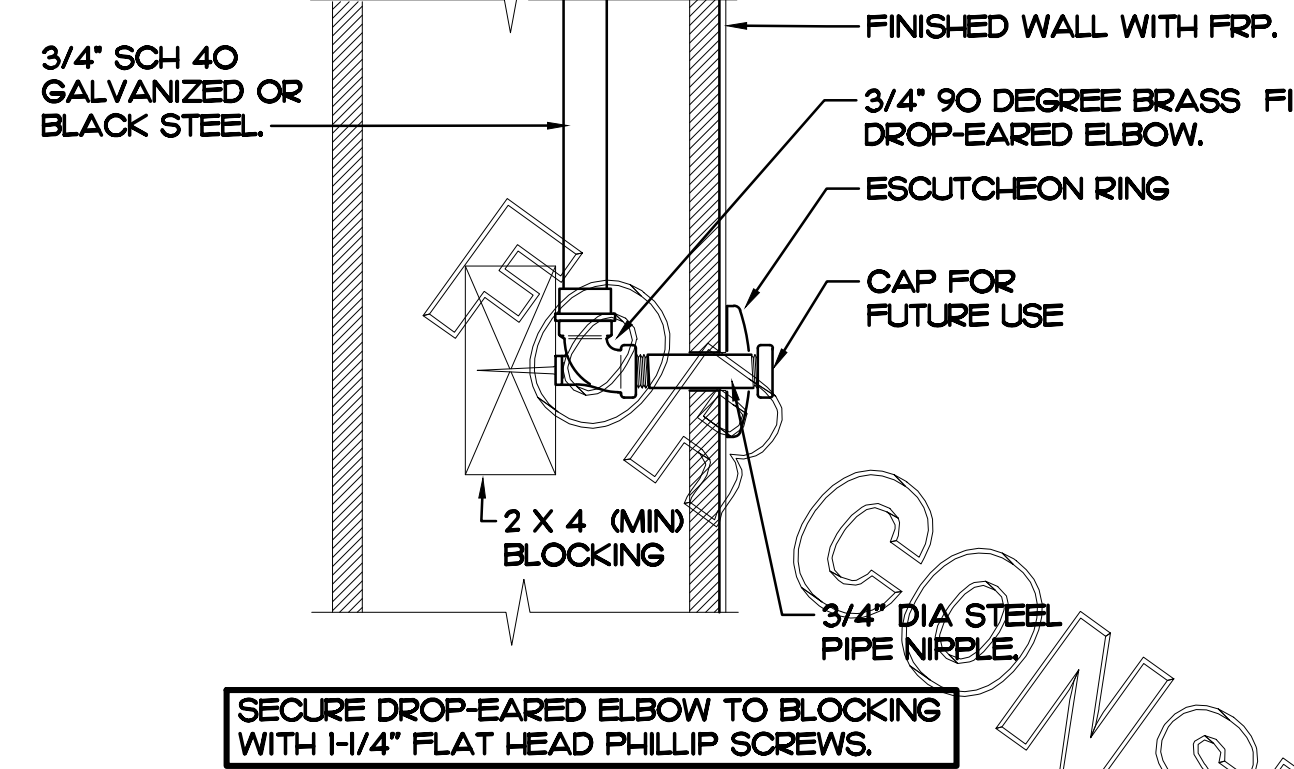
KEY NOTES

- DEMOLISH EXISTING RESTROOM FIXTURE. CAP EXISTING WATER LINES AND WASTE/VENT LINES WITHIN WALL. PREPARE LINES FOR CONNECTION TO NEW FIXTURE. SEE SHEET P1.1 AND P2.1.
- CAP EXISTING WATER LINE(S) ABOVE CEILING FOR FUTURE CONNECTION. SEE SHEET P2.1 FOR ALL NEW WATER PIPING.
- DEMOLISH HOT AND/OR COLD AND/OR FILTERED WATER LINES IN WALL AND/OR ABOVE CEILING AND/OR BELOW SLAB.

FOR CONSTRUCTION

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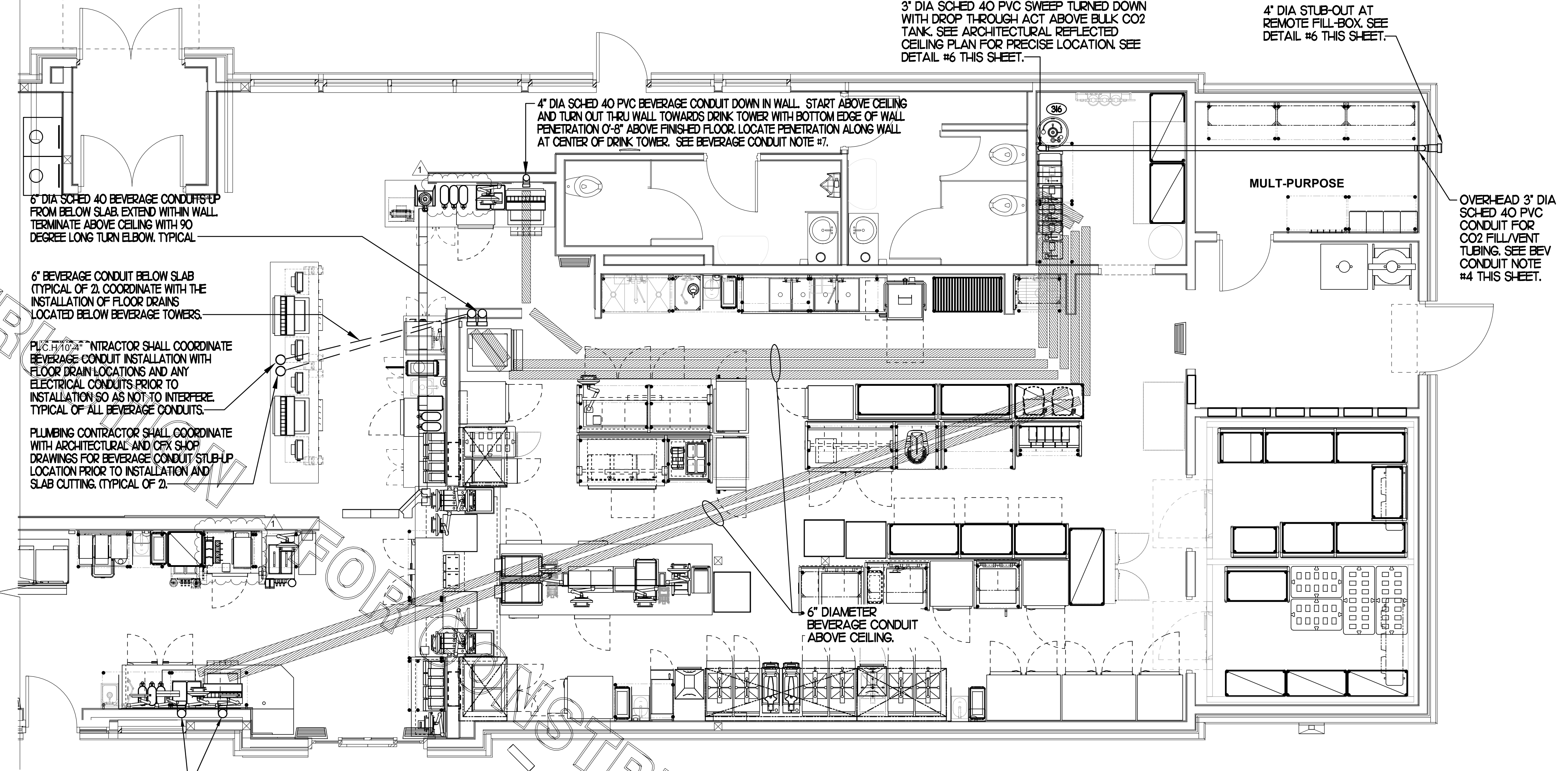


2 DARPRO OIL PIPING SECTION WITHIN WALL

SCALE: NONE

BEVERAGE CONDUIT NOTES

- REUSE EXISTING BEVERAGE CONDUITS OR THEIR PORTIONS WHERE INDICATED ON DRAWINGS. ROUTE BEVERAGE SYSTEM PIPING OVER-HEAD FROM THE BEVERAGE RACK TO DRINK TOWERS IN 6" SCH 40 PVC CONDUITS. ALL CONDUITS 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 MH-1 FOR LOCATION OF AC UNITS AND DUCT ROUTING.
- TURN CONDUITS DOWN THROUGH THE CEILING AT THE BEVERAGE RACK AND PROVIDE CHROME ESCUTCHEONS AT CEILING PENETRATIONS. TERMINATE OPPOSITE END ABOVE CEILING OVER SERVING AREA OR TURN DOWN TO WALLS, AS PER PLANS.
- INSTALL CONTINUOUS CONDUIT FROM CO2 FILL-BOX LOCATION TO BULK CO2 TANK AS SHOWN ON PLANS AND DETAILS. COORDINATE 4" CONDUIT WALL STUB INSTALLATION CLOSELY WITH GENERAL CONTRACTOR AND BRICK MASON PRIOR TO COVERING UP OF CONDUIT. VERIFY WITH GENERAL CONTRACTOR THE FULL LENGTH OF FILL-VENT TUBING MAY BE INSTALLED AND SUBSEQUENTLY REMOVED FROM CONDUIT. SEE PLAN AND DETAIL #6 THIS SHEET.
- ROUTE 2" DIA BULK CO2 CONDUIT ABOVE CEILING. PROVIDE CHROME ESCUTCHEON AT WALL WITH 45 DEGREE ELBOW TIGHT TO ESCUTCHEON AND DIRECTED DOWNWARD. TERMINATE INTERIOR END OF CONDUIT 1'-0" ABOVE KITCHEN CEILING WITH 90 DEGREE ELBOW DIRECTED TOWARD CARBONATORS. EXTEND 2" DIA CONDUIT FROM WITHIN 1'-0" OF ELBOW TOWARD CARBONATORS. TERMINATE OPPOSITE END ABOVE CEILING ABOVE CARBONATORS.
- AT CONDUIT DROP IN DRIVE-THRU PROVIDE 1/8TH BEND FITTING WITH SHORT PIPE STUB AT BASE OF DROP. CUT STUB AND FITTINGS FLUSH WITH FINISHED WALL.
- FOR BEVERAGE CONDUIT DROPS AT WALL WITH SHEATHING ABOVE THE CEILING, PROVIDE APPROPRIATE FITTING AT UPPER END OF CONDUIT DROP TO EXTEND CONDUIT THROUGH SHEATHING.



1 BEVERAGE CONDUIT PIPING PLAN

1/4" = 1'-0"

PRIOR TO DEMOLITION OF ANY EXISTING CONDUITS, PLUMBING CONTRACTOR SHALL COORDINATE WITH BEVERAGE PROVIDER IF EXISTING CONDUITS ARE ADEQUATE. ALL EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO BID.

FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	FW	FW2	CW	HW	WASTE
P-1	WATER CLOSET - FLOOR MOUNT (1.6 GPF)	X	X	1"	X	4"
P-2	WATER CLOSET - ADA FLOOR MOUNT (1.6 GPF)	X	X	1"	X	4"
P-3	URINAL - ADA WALL HUNG (1.0 GPF)	X	X	3/4"	X	2"
P-4	LAVATORY - ADA COUNTER TOP (0.50 GPM)	X	X	1/2"	1/2"	1-1/4"
P-5	KITCHEN HAND SINK - WALL HUNG (1.0 GPM)	X	X	1/2"	1/2"	1-1/2"
P-5A	KITCHEN DUMP SINK - WALL HUNG (1.0 GPM)	X	X	1/2"	1/2"	1-1/2"
P-6	SINGLE COMP SINK - COUNTERTOP (1.0 GPM)	X	X	1/2"	1/2"	1-1/2"
P-7	MOP SINK	X	X	1/2"	1/2"	3"
P-8	VEGETABLE PREP SINK (0.65 GPM SPRAYER)	X	X	1/2"	1/2"	(2) 1-1/2"
P-9	POT SINK (0.65 GPM SPRAYER)	X	X	(2) 1/2"	(2) 1/2"	(4) 1-1/2"
P-10	FLOOR DRAIN (ROUND TOP)	X	X	X	X	3"
P-11	WALL HYDRANT (NON FREEZE)	X	X	3/4"	X	X
P-12	FUNNEL DRAIN (3")	X	X	X	X	3"
P-13A	FLOOR SINK (3") 1/2" TOP	X	X	X	X	3"
P-13B	FLOOR SINK (3") 8" TOP	X	X	X	X	3"
P-13C	FLOOR SINK (3")	X	X	X	X	3"
P-14	CLEANOUT INSIDE BUILDING	X	X	X	X	SEE PLAN
P-16	3-WAY VALVE/ VACUUM BREAKER	X	X	3/4"	3/4"	X
P-18	EXPANSION TANK	X	X	3/4"	X	X
P-20	THERMOMETER	X	X	X	1/2"	X
P-22	MOP SINK CHECK VALVES	X	X	1/2"	1/2"	X
P-23	UTILITY CONNECTION (ICE MAKER)	X	1/2"	X	X	X
P-24	UTILITY CONNECTION (COFFEE & TEA)	1/2"	1/2"	X	X	X
P-25	SHOCK ABSORBER	1/2"	1/2" & 3/4"	1/2"	1/2"	X
P-26	FUNNEL DRAIN	X	X	X	X	3"
P-26A	TRAP SEAL PROTECTOR	X	X	X	X	3"
P-27	WATER PRESSURE GAUGE	X	X	1/4"	X	X
P-28	BALL VALVE-CARBONATOR STOP/BFP PANEL	3/4"	X	X	X	X
P-29A	ICE MACHINE TRENCH DRAIN (18"x14.5")	X	X	X	X	4"
P-29B	ICE MACHINE TRENCH DRAIN (36"x14.5")	X	X	X	X	4"
P-30	FILTERED WATER FAUCET	(2) 1/2"	X	X	X	X
P-31	DUMPSTER POST HYDRANT	X	X	3/4"	X	X
P-32	DUMPSTER DRAIN	X	X	X	X	3"
P-33	TRAP PRIMER (MECHANICAL TYPE)	X	X	1/2"	X	X
P-34	DISPENSER BACKFLOW PREVENTER	1/2"	X	X	X	X
P-35	FLOOR DRAIN	X	X	X	X	3"
P-36	BEVERAGE TOWER INDIRECT RECEIVER	X	X	X	X	3"
P-37	FLOOR DRAIN (SQUARE TOP)	X	X	1/2"	X	3"
P-38	HOT WATER CIRCULATING PUMP	X	X	X	1/2"	X
P-41DW	DISHWASHER SUPPLY FAUCET	X	X	3/4"	X	X
P-42	EMERGENCY THERMOSTATIC MIXING VALVE (EMERGENCY EYE WASH)	X	X	1/2"	1/2"	X
P-43	RE-HEATER SUPPLY VALVE	X	X	1/2"	X	X

NOTES: 1 REFER TO FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT INSTALLATION AND HOOK-UP RESPONSIBILITIES.

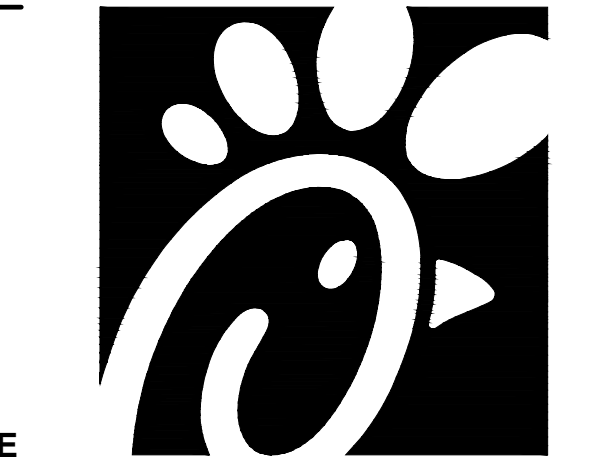
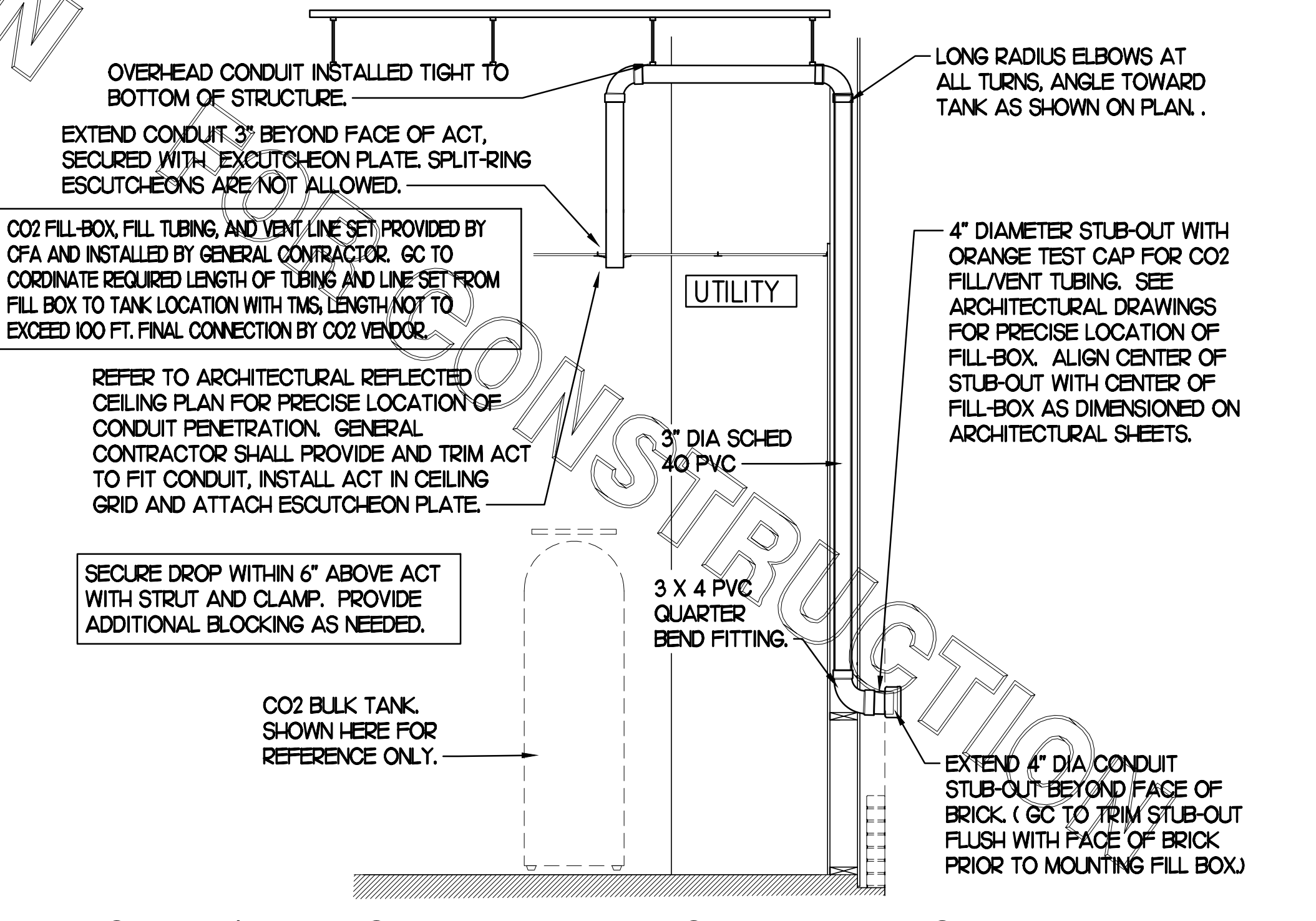
KITCHEN EQUIPMENT SCHEDULE

TAG	DESCRIPTION	FW	FW2	CW	HW	WASTE	ROUGH-IN
(306)	TEA BREWER	1/2"	X	X	X	X	P-24
(308)	COFFEE MAKER	1/2"	X	X	X	X	P-24
(30A)	CARBONATOR BFP PANEL	3/4"	X	X	X	X	SEE K-4J
(30)	WATER FILTER PANEL	(3) 3/4"	3/4"	3/4"	X	X	SEE DET 9/P2J
(30B)	DISH-WASHER	X	X	3/4"	X	INDIRECT	SEE K-4J
(30C)	POT SINK	X	X	(2) 1/2"	(2) 1/2"	INDIRECT	TWO #365F FAUCETS, P-9
(30)	VEGETABLE PREP SINK	X	X	1/2"	1/2"	INDIRECT	ONE #367F FAUCET, P-8
(30P)	KITCHEN WALL FAUCET	(2) 1/2"	X	X	X	X	P-30 48" AFF.
(30P)	KITCHEN WALL FAUCET	(2) 1/2"	X	X	X	X	P-30 48" AFF.
(30)	MOP SINK	X	X	1/2"	1/2"	3" P-35	SEE DET 2/P2J
(38)	ICE BIN	X	X	X	X	INDIRECT	P-26 DRAIN
(38A)	ICE BIN	X	X	X	X	INDIRECT	P-26 DRAIN
(30M)	ICE MAKER	X	1/2"	X	X	INDIRECT	P-23, SEE DET3/P4J
(59Z)	RE-HEATER	X	X	1/2"	X	INDIRECT	SEE KITCHEN DWGS

NOTES: 1 REVIEW PLANS AND KITCHEN EQUIPMENT DRAWINGS IN ORDER TO DETERMINE WHICH EQUIPMENT IS NEW, EXISTING TO BE RELOCATED OR EXISTING TO REMAIN IN PLACE.

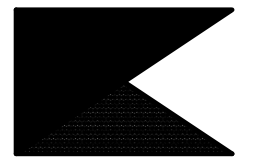
6 CO2 FILL/VENT CONDUIT AND FILL-BOX INSTALLATION

SCALE: NONE



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CHICK-FIL-A
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FSR#02681

BUILDING TYPE / SIZE: S08N-R
RELEASE: v12.20

REVISION SCHEDULE
NO. DATE DESCRIPTION

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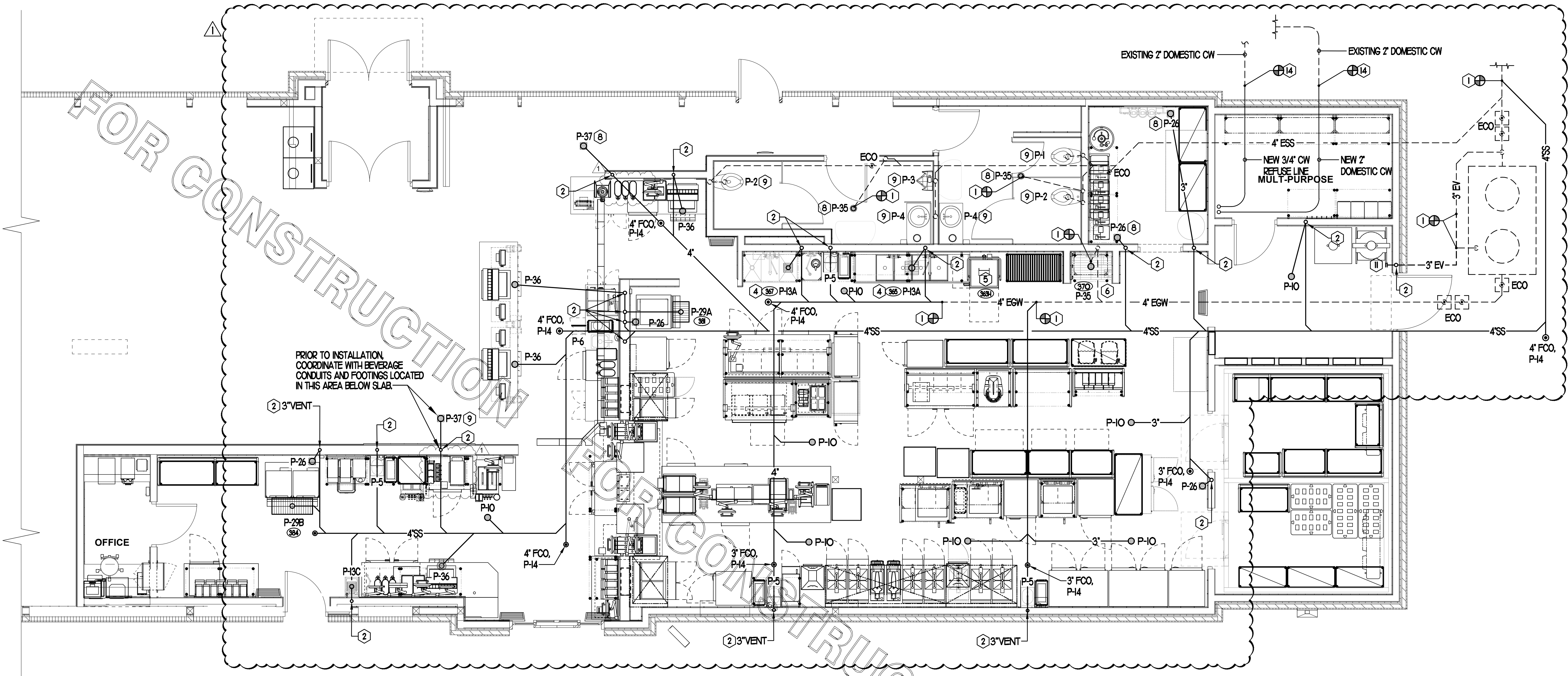
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SHEET BEVERAGE CONDUIT PLAN

SHEET NUMBER

P2.2



I BELOW SLAB PLUMBING PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

- ① CONNECT NEW WASTE/VENT LINE TO EXISTING AS SHOWN. VERIFY FALL, FLOW DIRECTION AND CONNECTING INVERTS. PROVIDE VENT CONNECTION TO EXISTING SYSTEM WHERE APPLICABLE.
- ② ROUTE NEW VENT LINE UP IN WALL TO ABOVE CEILING. MAKE CONNECTION TO EXISTING VENT HEADER OF SAME SIZE OR LARGER. WHERE DRAIN IS LOCATED IN NEW ADDITION, ROUTE VENT LINE UP IN WALL AND ABOVE CEILING INTO EXISTING BUILDING AND MAKE NECESSARY CONNECTION.
- ③ INSTALL NEW PLUMBING FIXTURE. MAKE CONNECTION TO EXISTING WASTE LINE LOCATED BELOW SLAB/WITHIN WALL. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL PIPE REQUIRED.
- ④ INSTALL FLOOR DRAIN P-35 AT MOP SINK DEPRESSION WITH TOP OF STRAINER 0'-7" BFF.
- ⑤ PROVIDE AND INSTALL NEW WASTE PIPING BELOW KITCHEN SINK. PROVIDE 1/2" SCHED 40 PVC INDIRECT WASTE DRAIN FROM EACH SINK BASIN TO FLOOR SINK. NO P-TRAPS REQUIRED.
- ⑥ OWNER PROVIDED, PLUMBER INSTALLED STOP/BFP PANEL. SEE K-SHEET ELEVATIONS FOR EXACT LOCATION. ROUTE 1" DIA SCHED 40 PVC BFP DRAIN TIGHT TO WALL TO TERMINATE AT FLOOR DRAIN BELOW.
- ⑦ ROUTE DRAIN LINE FULL SIZE TO FLOOR SINK LOCATED BELOW POT SINK AND TERMINATE WITH CODE APPROVED AIR GAP.
- ⑧ PROVIDE WITH TRAP SEAL PROTECTOR, P-26A.
- ⑨ INSTALL NEW RESTROOM PLUMBING FIXTURE. MAKE CONNECTION TO EXISTING WASTE LINE LOCATED BELOW SLAB/WITHIN WALL. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL PIPE REQUIRED.
- ⑩ PROVIDE AND INSTALL NEW GREASE INTERCEPTOR. REFER TO DETAIL FOR REQUIREMENTS. REFER TO SITE PLAN FOR LOCATION AND ALL CONNECTIONS. VERIFY IN FIELD W/ SITE & NEW CONSTRUCTION WORK. SEE POI FOR DEMOLITION REQUIREMENTS.

PIPING LEGEND (This Sheet)

EXISTING FLOOR DRAIN	FD
EXISTING FLOOR SINK	FS
EXISTING GREASE WASTE (EGW)	EGW
NEW GREASE WASTE (EGW)	GW
EXISTING SANITARY SEWER (ESS)	ESS
EXISTING COLD WATER UNDER GROUND (ECW)	ECW
EXISTING HOT WATER UNDER GROUND (EHW)	EHW
EXISTING TEMPERED WATER UNDER GROUND (ETW)	ETW
NEW WATER UNDER GROUND (CW, HW, TW OR FW/PW)	CW
POINT OF CONNECTION	⊕
FLOOR DRAIN	⊖
FLOOR SINK	⊙
FLOOR/EXTERIOR CLEANOUT	⊗

MOP SINK NOTE
IMPORTANT: INSTALL P-35 FLOOR DRAIN WITH TOP OF DRAIN 0'-7" BFF. COORDINATE WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

FLOOR FIXTURE ELEVATIONS
IMPORTANT: INSTALL THE FLOOR FIXTURE SUCH THAT THE TOP-OF-RIM ELEVATION IS AS FOLLOWS:

FIXTURE	TYPE	RIM ELEVATION
P-10	FLOOR DRAIN	1/2" BFF
P-35	MOP SINK DRAIN	7" BFF
P-36	INDIRECT WASTE RECEIVER	1/2" BFF
P-37	FLOOR DRAIN	1/2" BFF

NOTE: THE RIM ELEVATIONS SHOWN HERE SHOULD MATCH THE DEPRESSED SLAB. CONFIRM WITH ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR FLOOR SLOPE AT SLAB DEPRESSION FOR FIXTURES INSTALLED BELOW FINISHED FLOOR ELEVATION. FLOOR FIXTURES NOT LISTED HERE SHALL BE INSTALLED FLAT AND FLUSH WITH FINISHED FLOOR ELEVATION.

PLUMBING CONTRACTOR SHALL ROUTE ALL NEW VENT LINES SHOWN AND NOTED UP IN WALL AND TO ABOVE CEILING AND MAKE CONNECTION TO NEAREST VENT HEADER THE SAME SIZE OR LARGER.

PLUMBING CONTRACTOR SHALL VERIFY LOCATION, INVERT ELEVATION AND FLOW DIRECTION OF EXISTING LINE PRIOR TO ANY WORK. COORDINATE WITH ALL OTHER UTILITIES LOCATED BELOW GROUND PRIOR TO ANY EARTHWORK.

- SHEET NOTES**
- 1. COORDINATE INSTALLATION OF SANITARY PIPING WITH FOOTINGS IN THE FIELD. SLEEVE ALL NEW AND EXISTING PIPING 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 WATER PIPING INSTALLED WITHIN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE INSULATION. ALL VENT PIPING TO BE 1/2" DIAMETER UNO.

- SITE PIPING NOTES**
- CAREFULLY EXAMINE & VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 - REFER TO SITE PLAN FOR EXACT LOCATION OF EXISTING & NEW GREASE INTERCEPTOR AND ALL SITE PIPING.
 - CLOSELY COORDINATE INSTALLATION W/ EARTH WORK.
 - PROVIDE PVC SLEEVES ON ALL PIPING PENETRATING EXISTING OR NEW FOUNDATIONS.



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FSR#02681
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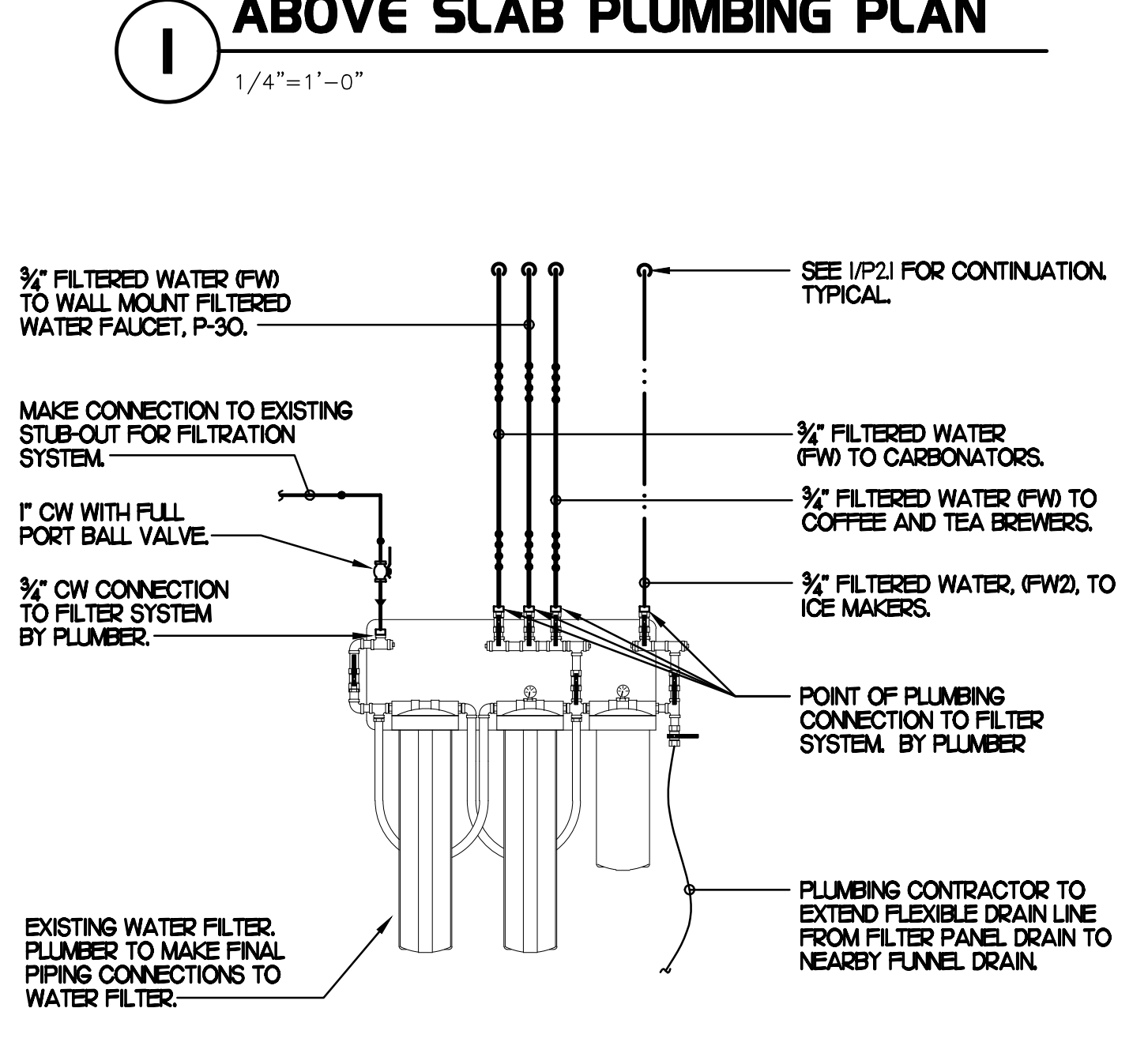
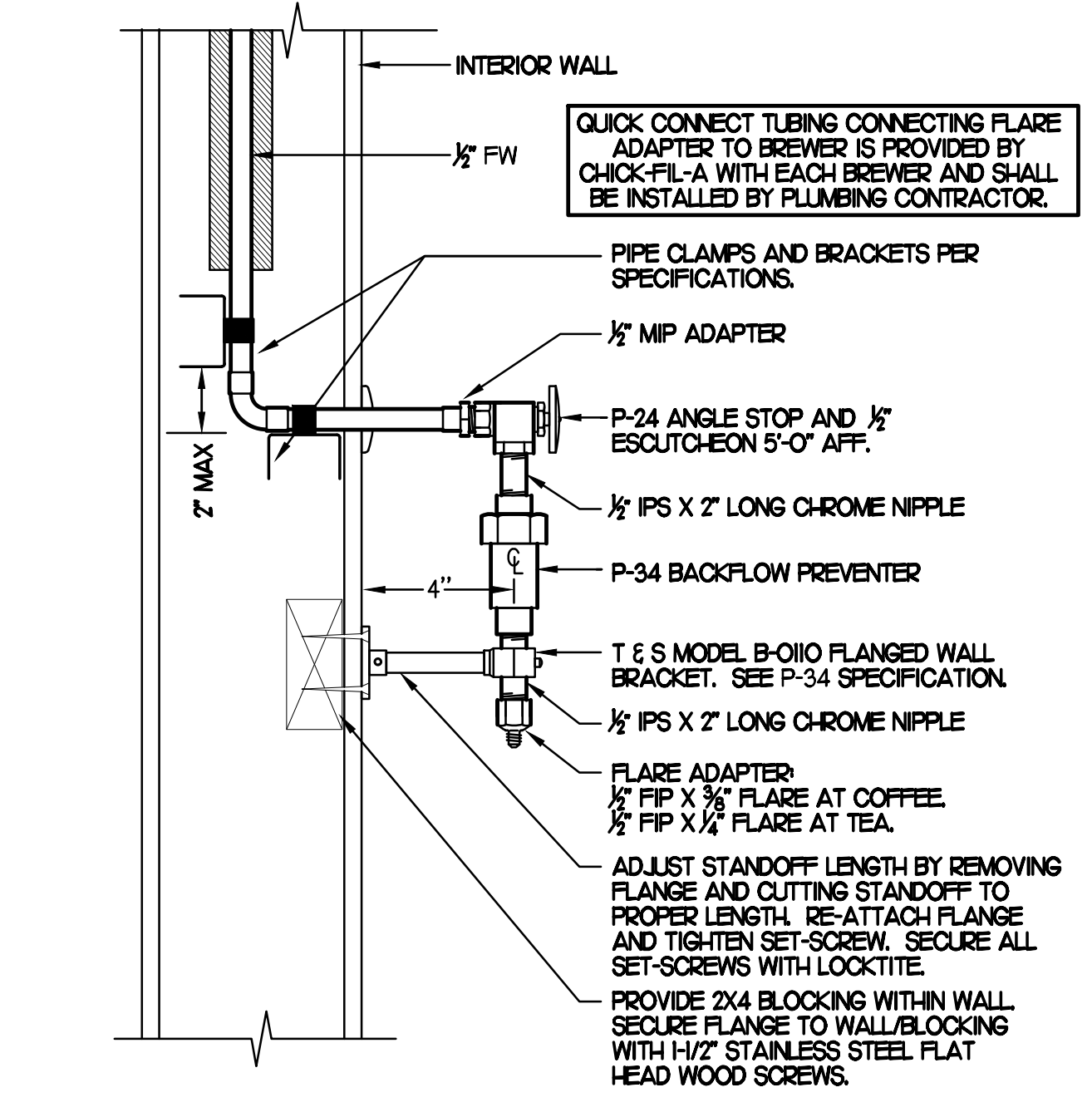
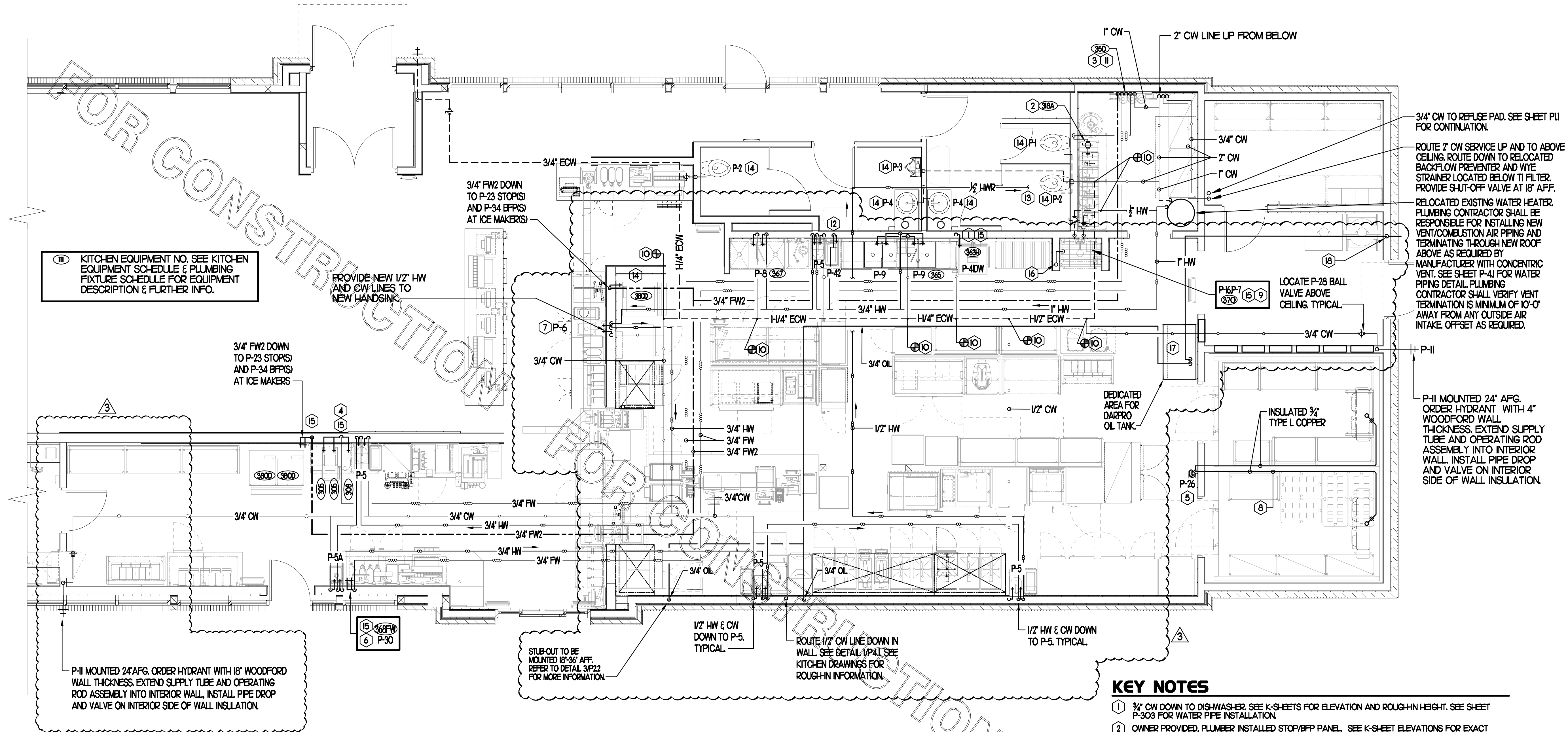
REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	11/22/22	Plan Review Comments

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SHEET: BELOW SLAB PLUMBING PLAN
SHEET NUMBER: P1.1

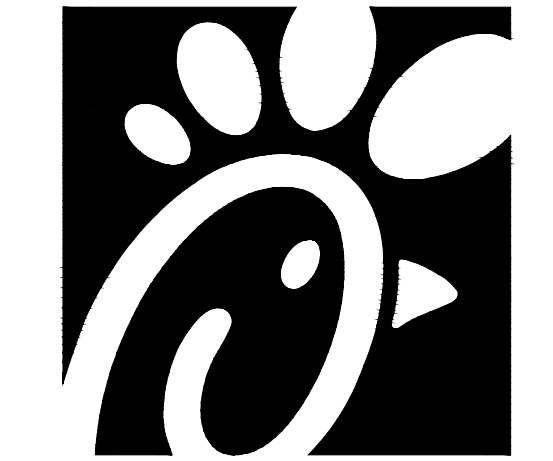


PIPING LEGEND

EXISTING COLD WATER (ECW)	--- ECW ---
EXISTING HOT WATER (EHW)	--- EHW ---
EXISTING FILTERED WATER (EFW)	--- EFW ---
EXISTING PREFILTERED WATER (EPW)	--- EPW ---
POINT OF CONNECTION	⊕
NEW COLD WATER	--- CW ---
NEW HOT WATER	--- HW ---
NEW TEMPERED WATER	--- TW ---
NEW FILTERED WATER	--- FW ---
NEW FW2 TO COFFEE/TEA BREWERS	--- FW2 ---
BEVERAGE CONDUIT	-----

- SHEET NOTES**
- COORDINATE VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 15'-0" CLEARANCE.
 - HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING M1 FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
 - SEE K-SHEET ELEVATIONS FOR KITCHEN EQUIPMENT WATER PIPING ROUGH-IN LOCATIONS.
 - VERIFY WALL TYPE AND WALL THICKNESS AT EXTERIOR HOSE BIBBS PRIOR TO ORDERING EQUIPMENT.
 - 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.
 - UNLESS NOTED OTHERWISE, WATER PIPING SHALL BE COPPER OR CPVC AS LISTED IN SPECIFICATIONS. SEE SPECIFICATIONS.

- KEY NOTES**
- 3/4" CW DOWN TO DISHWASHER. SEE K-SHEETS FOR ELEVATION AND ROUGH-IN HEIGHT. SEE SHEET P-303 FOR WATER PIPE INSTALLATION.
 - OWNER PROVIDED, PLUMBER INSTALLED STOP/BFP PANEL. SEE K-SHEET ELEVATIONS FOR EXACT LOCATION. PROVIDE EXPOSED 3/4" BALL VALVE (P-28) AT CONNECTION TO PANEL. ROUTE 1" PVC FROM FACTORY PANEL. DRAIN CONNECTION TO P-12 FUNNEL. DRAIN LOCATED BELOW BEVERAGE RACK.
 - FW & FW2 LINES FROM WATER FILTRATION SYSTEM. REFER TO DETAIL ON P22
 - 3/4" FW TO CARBONATOR
 - 3/4" FW TO JUICE STATION
 - 3/4" FW TO COFFEE & TEA MAKERS
 - 3/4" FW2 TO ICE MACHINES
 - 1/2" FW TO P-24 & P-34 AT TWO (2) TEA BREWERS AND ONE COFFEE MAKER. SEE DETAIL THIS SHEET.
 - TURN 3/4" CONDENSATE PIPING OUT OF COOLER/FREEZER AND EXTEND OUTLET TO P-12 FUNNEL DRAIN. 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. PROVIDE 2" DEEP TRAP WITH OPEN TEE OUTLET.
 - 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.
 - PROVIDE 1/2" HW & CW CONNECTIONS TO FIXTURE.
 - APPLY RAYCHEM XL-TRACE MODEL 5XL-1 SELF REGULATING HEATING CABLE. USE END SEAL KIT FROM MANUFACTURER. CONTRACTOR SHALL HEAT TRACE ENTIRE LENGTH OF CONDENSATE PIPING UNTIL TERMINATION POINT.
 - INSTALL PH6 3-WAY VALVE WITH BACKFLOW PREVENTER ON P-7 FAUCET SPOUT FOR CONNECTION TO ECOLAB DETERGENT DISPENSER. SEE DETAIL THIS SHEET. PROVIDE BALL VALVE FOR EACH WATER LINE ABOVE CEILING WITH P-22 BALL CHECK VALVE IN EACH DROP.
 - MAKE CONNECTION TO EXISTING WATER LINE ABOVE CEILING/WITHIN WALL.
 - NEW WATER FILTERS. SEE DETAIL 9/P21.
 - ROUTE 1/2" HW & CW TO P-42 EMERGENCY EYEWASH MIXING VALVE. ROUTE 1/2" TW FROM P-42 VALVE TO EMERGENCY EYEWASH STATION.
 - 1/2" HOT WATER RETURN LINE. MAKE CONNECTION TO CW INLET SIDE OF WATER HEATER. SEE DETAIL 4/P41.
 - INSTALL NEW FIXTURE IN RESTROOM. RECONNECT TO EXISTING CW OR TW, VENT & SANITARY SEWER SERVICES.
 - INSTALL SHOCK ABSORBER (P-25) AT TOP OF WATER LINE DROP DOWN TO FIXTURE.
 - 1/2" INSULATED CONDENSATE PIPING WITHIN WALL DOWN FROM ROOF. TERMINATE OVER MOP SINK 1'-0" ABOVE GRATE WITH 90 DEGREE ELBOW AND ESCUTCHEON. FIELD VERIFY EXACT LOCATION OF EXISTING CONDENSATE PIPING.
 - TURN 3/4" AND 2" SCHEDULE 40 STEEL PIPE DOWN THROUGH CEILING FOR FUTURE DARPRO OIL TANK AND CAP ACCORDINGLY. PROVIDE CHROMED SOLUTIONS AT CEILING PENETRATIONS. 1" OIL LINE TO BE CAPPED 2' BELOW CEILING. PROVIDE 3/4" DIAMETER SCHEDULE 40 BLACK OR GALVANIZED STEEL PIPING BACK TO FUTURE DARPRO OIL TANK. PIPING TO BE ROUTED TO ALLOW AS MUCH FALL AS POSSIBLE TO THE TANK.
 - EXTEND 2" STEEL PIPE BEYOND FACE OF BRICK. CAP FOR FUTURE USE. GC TO TRIM STUB-OUT ACCORDINGLY.



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 1575
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BUILDING TYPE / SIZE: S08N-R
 RELEASE: v12.20

REVISION SCHEDULE

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3	01/06/23	CD Coordination

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SHEET ABOVE SLAB PLUMBING PLAN
 SHEET NUMBER **P2.1**

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-2846. 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 FITTING 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 F83-A OR F83-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-2846 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 SCHEDULE 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 SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-1784, D-1785 AND D-2865.
- 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-2865 AND D-2849. 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 HAVE A RATING OF NOT GREATER THAN UNDERSLAB MEETING ASTM D-2665, D-3311 AND F-186. CEMENTS SHALL MEET ASTM D-2564 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 1000F 25/50 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 ARMAFLEX AP ARMAFLEX WITH MINIMUM 1/2" WALL THICKNESS.
- L. PIPE INSULATION AND COVERINGS SHALL HAVE A RATING OF NOT GREATER THAN 25 FLAME SPREAD, NO HIGHER THAN SO 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 25/50 PRE-FORMED COVER SHALL BE PROVIDED AT ALL INSULATED PIPING FITTINGS EQUAL TO PROTO PVC CORP LOSMOKE, 800-875-7788.
- N. ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL MEETING ASTM A53 WITH SCHEDULED 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. 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 SERVING 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 1/4" 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 QUIT 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 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.
- 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 COVERINGS (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: ZURN. ACCEPTABLE ALTERNATES: JAY R. SMITH, JONES STEPHENS CORP, WATTS, OR JOSAM.
- B. ALTERNATES TO ZURN (ZRN) FIXTURES: ONLY AS SHOWN ON PLANS. APPROVED JAY R. SMITH (JRS), WATTS (WTS), MODEL NUMBERS LISTED ON FIXTURE SCHEDULE, THIS SHEET.
- 3.02 PRODUCTS - RESTROOM FIXTURES PORCELAIN & VALVES (C15405)
- 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 (C15405)

- P-1 WATER CLOSET: TOTO MODEL CT705LUN01 BOWL WITH 128 GPF TETILA320CP ECO-POWER FLUSH VALVE AND SC534 SEAT. NO SUBSTITUTIONS. WHITE, FLOOR MOUNTED, 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-2 WATER CLOSET (ADA): TOTO MODEL CT705LUN01 BOWL WITH 128 GPF TETILA320CP 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 UT445U01 URINAL WITH TEJULIA210CP 0.125 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-4A LAVATORY FAUCET: BUILT-IN COUNTERTOP LAVATORY PROVIDED BY OWNER: TOTO MODEL TELIOS-DIOET0CP ECO-POWER SENSOR HOT/COLD FAUCET WITH THERMOSTATICALLY CONTROLLED ASSE 1070 MIXING VALVE FAUCET, 0.029 GALLONS PER CYCLE, NO SUBSTITUTIONS. PROVIDE MCGUIRE LF75 SUPPLY WITH STOP. MCGUIRE 85720 GRID DRAIN WITH OFFSET TAILPIECE, MCGUIRE 8912C POLISHED CHROME P-TRAP. P-TRAP SHALL BE PARALLEL WITH BACK WALL, PROVIDE A TRELEORO INC. HANDI LAY-GUARD INSULATION KIT MODELS IOE2 AND IOE2C, 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 BY TMS) FAUCET: TOTO MODEL TELI65-C20ET0CP - PROVIDED WITH TFP3094 NOZZLE, CONTRACTOR SHALL INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LF75 SUPPLIES WITH STOPS AND A MCGUIRE 8912C 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: TMS MODEL B-IH46-CFA-VF05 - PROVIDED WITH TFP3094 NOZZLE, CONTRACTOR SHALL INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LF75 SUPPLIES WITH STOPS. PROVIDE MCGUIRE 8912C POLISHED CHROME P-TRAP PROVIDED BY HJC.
- P-6 SERVING COUNTER DROP IN GPM ROUGH-IN (SINK BY CLAYTON FIXTURE) FAUCET: TMS EC-3100-7X717H WITH 1.0 GPM AERATOR, CONTRACTOR SHALL INSTALL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE A MCGUIRE 8912C POLISHED CHROME P-TRAP AND MCGUIRE LF75R20 SUPPLIES WITH 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 TMS BRASS MODEL B-2345 FAUCET WITH CERAMA SPRING CHECK VALVE CARTRIDGES, HOSE THREADED SPOUT OUTLET, TOP BRACE, ADJUSTABLE INLET SPREAD FROM 3" TO 6", INCLUDE TMS BRASS MODEL 43-0772 HOSE, THREADED 3/4" FEMALE NPT CHROME ADAPTER, NO SUBSTITUTIONS. SEE ALSO P-16.
- P-8 VEGETABLE PREP SINK ROUGH-IN (SINK BY TMS) FAUCET: TMS B-0152-14-CR2CT WITH 0.65 GPM SPRAY HEAD, CONTRACTOR SHALL INSTALL SINK AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LF75R20 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 SPOUT AT BASE OF PRE-RINSE RISER. SEE K-3 SHEET ELEVATIONS FOR FAUCET LOCATIONS. PROVIDE 1/2" SCHEDULE 80 PVC PIPE AND FITTINGS. INDIRECT WASTE LINES FROM EACH SINK BASIN TO FLOOR SINK P-13B, NO P-TRAPS, HJC TO PROVIDE FISHER #2209 DRAINS WITH FLAT STRAINERS.
- P-9 FOUR COMPARTMENT POT SINK ROUGH-IN (SINK BY TMS) FAUCETS: TMS B-0152-14-CR2CT & B2299-OR WITH 0.65 GPM SPRAY HEAD, CONTRACTOR SHALL INSTALL SINK, ASSEMBLE & MOUNT TWO FAUCETS, AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LF75R20 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 ARM. INSTALL ADD-ON FAUCET WITH SPOUT AT BASE OF PRE-RINSE RISER. ASSEMBLE AND MOUNT ONE TWO-HANDLE FAUCET WITH DOUBLE JOINT SPOUT ON OPPOSITE SIDE. SEE K-3 SHEET ELEVATIONS FOR FAUCET LOCATIONS. PROVIDE 1/2" SCHEDULE 80 PVC PIPE AND FITTINGS. INDIRECT WASTE LINES FROM EACH SINK BASIN TO FLOOR SINK P-13A, NO P-TRAPS, HJC TO PROVIDE FISHER #2209 DRAINS WITH FLAT STRAINERS.
- P-10 FLOOR DRAIN (3") JONES STEPHENS CORP D53-144 PVC BODY, BRONZE SPUD WITH 8" DIAMETER NICKEL BRONZE STRAINER. ALT: (JRS) 210-HP-NB, (WTS) FDI09-A8-60, (B) FROBNP35-C.
- P-11 WALL HYDRANT (NON-FREEZE) WOODFORD MODEL 67C AUTOMATIC DRAINING WALL HYDRANT WITH DUAL CHECK BFF, ASSE 1052 APPROVED, WALL CLAMP, POLISHED BRASS FINISH, 'C' STYLE INLET. SEE WALL HYDRANT NOTES ON I/P-201 FOR WALL THICKNESS AT WALL HYDRANTS. ALT: (WTS) HY-42.
- P-12 FUNNEL DRAIN (3") ZURN MODEL ZN415-3N-65-4 FLOOR DRAIN W/FUNNEL, INDIRECT WASTE RECEIVER WITH NICKEL BRONZE STRAINER AND FUNNEL, PROVIDE 6" SQUARE STRAINER WITH 4" ROUND FUNNEL AT WALK-IN COOLER, 4" ROUND FUNNEL, ZURN ZN828-4.
- P-13A FLOOR SINK (POT SINK) ZURN MODEL Z1901-4N-1-23-KC CAST IRON INDIRECT WASTE RECEIVER WITH 1/2" SQUARE BODY, FLASHING CLAMP, 8" DEEP, ALUMINUM SEDIMENT BUCKET, AND NO GRATE NO SUBSTITUTIONS.
- P-13B FLOOR SINK (VEGETABLE SINK) ZURN MODEL Z1910-3N-1-23-KC CAST IRON INDIRECT WASTE RECEIVER WITH FLASHING CLAMP, 8" SQ BODY, ALUMINUM SEDIMENT BUCKET, AND NO GRATE NO SUBSTITUTIONS.
- P-13C FLOOR SINK (DUMP SINK) 3" WASTE CONNECTION ZURN MODEL Z1910-N-KC-2-23 CAST IRON BODY WITH INDIRECT WASTE RECEIVER, NEO-LOC OUTLET, ANCHOR FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR, WITH HALF GRATE, AND ALUMINUM BUCKET. PROVIDE BY HJC, NO SUBSTITUTIONS.
- P-14 CLEANOUTS INSIDE BUILDING ZURN ZN400-XN-T-EP CLEANOUT WITH 6" SQUARE NICKEL BRONZE TOP AND TAPER THREAD BRONZE PLUG. SEE PLAN FOR SIZE, OX-PIPE DIAL.
- P-15 CLEANOUTS OUTSIDE BUILDING ZURN Z1474-NX EXTRA HEAVY DUTY CAST IRON CLEANOUT, 'CO.' CAST IN COVER, ABS PLUG, NEO-LOC OUTLET, (OX-PIPE DIA). ALT: ZURN 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 QUARTER TURN LEVER HANDLE. PROVIDE WITH TWO (2) FORGED BRASS 3/4" MIP X 3/4" MALE GARDEN HOSE THREAD ADAPTERS PLUMBEST MODEL 620-103 OR EQUAL, PROVIDE WITH ONE ASSE 1011 APPROVED CHROME PLATED VACUUM BREAKER (WOODFORD MODEL 34H-CH OR EQUAL) FOR INSTALLATION AT MOP SINK. SEE DETAIL ON P41. PROVIDE ALSO TWO 3/4" GLOBE CHROME PLATED BRASS NIPPLE AND 3/4" POLISHED CHROME 90 DEGREE ELBOW.
- P-17 VACUUM RELIEF VALVES WATTS MODEL HFR36M, 3/4" CONNECTION.
- P-18 EXPANSION TANK: AO SMITH MODEL TW12-5, ACCEPTANCE 219 GALLONS AT 40 PSI PRECHARGE, 3/4" CONNECTION. ALTERNATE MODELS SIZED PER WATER HEATER MANUFACTURER RECOMMENDATIONS ARE ACCEPTABLE.
- P-19 WATER HEATER: BRADFORD-WHITE EF-60T-125E-3N STORAGE TYPE GAS FIRED 60 GALLON WATER HEATER, 125 MBH INPUT, 145 GPH RECOVERY AT 100F RISE, DIRECT VENT, BLOWER POWERED, CONDENSING TYPE WITH THREE-YEAR WARRANTY. CONTRACTOR TO PROVIDE DIELECTRIC HEAT TRAP NIPPLES AND CONCENTRIC VENT TERMINATION KIT. STATE INDUSTRIES SFF-100-199-NE, BHEM C-1880-130, AND BRADFORD-WHITE EF-60T-199-3N MODELS ARE ACCEPTABLE SUBSTITUTES.

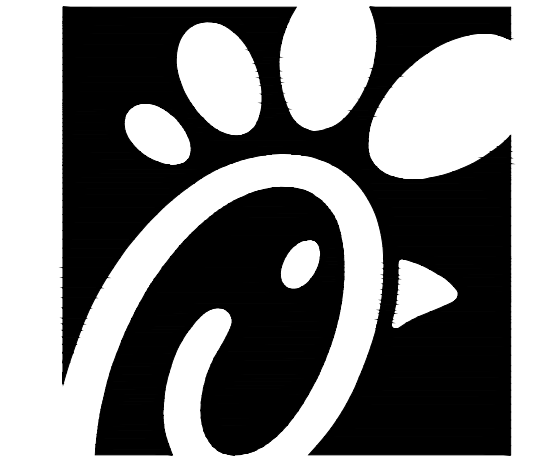
- P-20 THERMOMETER: PROVIDE TRECICE MODEL B83404 - 04 3" DIAL TYPE THERMOMETER WITH BOTTOM 1/2" NPT. CONNECTION, 4" STEM AND 0 DEG F TO 200 DEG F RANGE. LEAD FREE.
- P-21 BACKFLOW PREVENTERS: COORDINATE LOCATION WITH CIVIL SITE UTILITY PLAN. BACKFLOW PREVENTER TYPE AND MODEL IS DETERMINED BY CIVIL ENGINEER IF LOCATED OUTSIDE THE BUILDING.
DOUBLE CHECK TYPE
WATTS NO. LF1007MOT 1/2" DUAL CHECK MODULAR TYPE BACKFLOW PREVENTER MEETING ASSE 1015 AND AWWA C510-92, WHERE REQUIRED BY LOCAL AUTHORITY, USE THE RPZ TYPE. BFF S-HOWN BELOW. ALT: ZURN I12-350XL.
REDUCED PRESSURE ZONE (RPZ) TYPE
WATTS NO. LF1009M 1/2" MODULAR TYPE WITH TEST PORTS AND INTERMEDIATE RELIEF VALVE MEETING ASSE 1013 AND AWWA 511-83. PROVIDE WATTS NO. 909-AG-C AIR GAP DEVICE. ALT: ZURN I12-375XL2XL.
- P-22 MOP SINK CHECK VALVES: TMS BRASS 1/2" MODEL B-CVM-2 BALL CHECK.
- P-23 UTILITY CONNECTION (ICE MAKERS): PROVIDE A MCGUIRE MODEL LF-H5T06SB LEAD-FREE CHROME WHEEL ANGLE STOP, 1/2" FIP INLET AND OUTLET. PROVIDE CHROME WALL ESCUTCHEON. INSTALL WITH BFF P-34. SEE DETAIL ON P41 FOR PIPING AT ICE MAKERS.
- P-24 UTILITY CONNECTION (COFFEE & TEA BREWERS): PROVIDE A MCGUIRE MODEL LF-H5T06SB LEAD-FREE CHROME WHEEL ANGLE STOP, 1/2" FIP INLET & OUTLET. PROVIDE CHROME WALL ESCUTCHEON. INSTALL WITH BFF P-34.
- P-25 SHOCK ABSORBER: ZURN Z1700-100 THRU Z1700-300 AS NEEDED. SIZE AS RECOMMENDED BY MANUFACTURER. ALT: (WTS) SSA + SSB, (JRS) 5005 THRU 5050.
- P-26 FUNNEL DRAIN (3") ZURN ZN415-3N-65-OF FLOOR DRAIN W/FUNNEL, INDIRECT WASTE RECEIVER WITH NICKEL BRONZE STRAINER AND FUNNEL, PROVIDE 6" ROUND STRAINER WITH 3.25"X8.25" OBLONG FUNNEL. ALT: (JRS) 3510L3-FZ2B.
- P-26A TRAP SEAL PROTECTOR: PREVENT TRAP GUARD MODEL TG3H 3" TRAP SEAL INSERT FOR INTERIOR INSTALLATION AND REPLACEMENT ACCESS THROUGH STRAINER. PROVIDE AS NOTED ON P.II. PROVIDE PROSET MODEL TG39-ZURN WHEN USING ZURN FLOOR FIXTURES.
- P-27 WATER PRESSURE GAUGE: TRECICE MODEL 800B, 2-1/2" ROUND, BOTTOM OUTLET WITH 1/4" NPT. CONNECTION AND O TO 100 PSI RANGE.
- P-28 ISOLATION BALL VALVE (8-STOP WATER MANIFOLD PANEL) NIBCO MODEL 4660-T, 3/4", WITH IPS INLET AND OUTLET.
- P-29A ICE MACHINE TRENCH DRAIN ZURN/STAINLESS STEEL, DRAINS TR12-CFA-18 STAINLESS STEEL TRENCH DRAIN, 145" X 18", STAINLESS STEEL SEDIMENT CUP, AND STAINLESS STEEL SERRATED LADDER GRATE. NO SUBSTITUTIONS.
- P-29B ICE MACHINE TRENCH DRAIN ZURN/STAINLESS STEEL, DRAINS TR12-CFA-36 STAINLESS STEEL TRENCH DRAIN, 145" X 36", STAINLESS STEEL SEDIMENT CUP, AND STAINLESS STEEL SERRATED LADDER GRATE. NO SUBSTITUTIONS.
- P-30 FILTERED WATER FAUCET: FILTERED WATER FAUCETS: TMS B-02326-OR-063X (KITCHEN FAUCET) & TMS B-0699-OR (DRIVE THRU FAUCET). 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, ASSE 1052 APPROVED AND 36" DEPTH OF BURY.
- P-32 DUMPSTER PAD DRAIN: J.R. SMITH FIGURE NO. 2280003 3" FLOOR DRAIN WITH 7-1/2" HINGED CAST IRON SLOTTED GRATE AND SEDIMENT BUCKET. INSTALLED BY SITE CONTRACTOR. ALT: ZURN Z415C-3N-Y.
- P-33 TRAP PRIMER (MECHANICAL TYPE) DO NOT USE UNLESS REQUIRED BY LOCAL AUTHORITY. PRECISION PRODUCTS PR-500, PROVIDE DISTRIBUTION UNIT WHERE SERVING MULTIPLE DRAINS. PROVIDE SCHEDULED STOP AT PRIMER INLET. ALT: (WTS) TP-300A-R.
- P-34 DISPENSER BACKFLOW PREVENTER: WATTS MODEL HFRU2-2 ASSE 1024 RATED WITH 1/2" FIP INLET AND OUTLET, DUAL CHECK TYPE. PROVIDE 1/2" DIA X 2" LONG CHROME NIPPLE AT BFF INLET AND OUTLET. PROVIDE TMS BRASS MODEL B-0110 CHROME WALL BRACKET.
- P-35 FLOOR DRAIN (3") ZURN EZ1-PV3-R6 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER. ALT: JONES STEPHENS CORP D50-064.
- P-36 BEVERAGE TOWER INDIRECT RECEIVER (3") ZURN EZ1-PV3-R8 PVC BODY, BRONZE SPUD WITH 8" DIAMETER NICKEL BRONZE STRAINER. ALT: JONES STEPHENS CORP D53-144.
- P-37 FLOOR DRAIN (3") ZURN EZ1-PV3-S6 PVC BODY, BRONZE SPUD WITH 6" SQUARE NICKEL BRONZE STRAINER. ALT: JONES STEPHENS CORP D50-077.
- 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 L50C010B 110 VAC AQUA-STAT, WITH ADJUSTABLE SETPOINT, MOUNTED DIRECTLY ON PIPE. SET SHUT-OFF TEMPERATURE AT 130 DEG F.
- P-39 2" PRESSURE REDUCING VALVE: WATTS NO. HFR223-SB WITH BUILT-IN BYPASS FEATURE. SET NO FLOW CONDITION AT 70 PSI. ALT: ZURN SERIES 500XL15BR.
- P-40 WYE STRAINER WITH #100 MESH SCREEN 2" WATTS LF7775M3-2 BRONZE WYE STRAINER WITH THREADED CONNECTION AND TAPPED RETAINER CAP. PROVIDE #100 MESH SCREEN. PROVIDE WATTS 1/2" LFBD-1C BRASS BOILER CONNECTION TO WYE STRAINER RETAINER CAP OUTLET TAP.
- P-41 DISHWASHER SUPPLY VALVE: FULL-PORT LEAD-FREE STAINLESS STEEL BALL VALVE WITH SPLIT-RING BRACKET, CHROME FITTINGS, PIPE NIPPLES, AND ESCUTCHEON AS DETAILED ON P-41.
- P-42 EMERGENCY THERMOSTATIC MIXING VALVE (EMERGENCY EYEWASH) ACONOR MODEL S0660-R4 THERMOSTATIC TEMPERING VALVE, ANSI Z358.1 CERTIFIED FOR EMERGENCY FIXTURES, ASSE 1071 COMPLIANT, WITH DIAL 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 REHEATER/SUPPLY VALVE: FULL-PORT LEAD-FREE STAINLESS STEEL BALL VALVE WITH SPLIT-RING BRACKET, CHROME FITTINGS, PIPE NIPPLES, AND ESCUTCHEON AS DETAILED ON P-41.

COORDINATION NOTE

CONTRACTOR SHALL THOROUGHLY REVIEW THE KITCHEN EQUIPMENT DRAWINGS TO ENSURE ALL ITEMS REGARDING THE PLUMBING SCOPE ARE FULLY UNDERSTOOD. MOST NOTABLY, ALL FAUCETS ARE REQUIRED TO BE PROVIDED THROUGH HJC) & INSTALLED BY THE CONTRACTOR AS OUTLINED IN THE KITCHEN EQUIPMENT SCHEDULES.

NATIONAL ACCOUNTS

1. TOTO VALVES AND FIXTURES (NO SUBSTITUTIONS). HAINES, JONES, & CADBUR LLC, (HJC DISTRIBUTORS). PLEASE CONTACT HJC-CFA CUSTOMER SERVICE REPRESENTATIVE AT (800) 459-7099 OR VIA E-MAIL AT: CFA@HJCINC.COM FOR NATIONAL ACCOUNT PRICING AND DELIVERY FOR ALL ITEMS ON PLUMBING FIXTURE SCHEDULE.



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No. F-0823, Expires 12/31/23



CHICK-FIL-A
Peters Creek
3343 Sides Branch Road
Winston-Salem, NC 27127

FSR#02681

BUILDING TYPE / SIZE: S08N-R
RELEASE: v12.20

REVISION SCHEDULE
NO. DATE DESCRIPTION

CONSULTANT PROJECT # 22116.HF.R
PRINTED FOR CONSTRUCTION
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DRAWN BY BF

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SHEET PLUMBING SPECIFICATIONS
SHEET NUMBER