



1. REFER TO PIPING RISER DIAGRAM, SHEET P-400 FOR ALL PIPE SIZING NOT SHOWN ON FLOOR PLAN.
2. DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE. REFER TO RISER DIAGRAM, SHEET P-400.

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1. SODA CONDUIT: PROVIDE 6" PVC CONDUIT BELOW FLOOR FROM THE SIDE OF SODA STORAGE RACK TO SODA DISPENSER PER DETAIL #4 ON SHEET P-500.
2. CONNECT TO EXISTING SANITARY PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION, DEPTH, SIZE, FLOW DIRECTION AND IF THE DRAIN IS ACTIVE IN THE FIELD PRIOR TO THE STARTING OF WORK.
3. CONNECT TO EXISTING GREASE WASTE PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION, DEPTH, SIZE, FLOW DIRECTION AND IF THE DRAIN IS ACTIVE IN THE FIELD PRIOR TO THE STARTING OF WORK.
4. SAWCUT AND TRENCH FLOOR FOR INSTALLATION OF NEW BELOW FLOOR PIPING, BACKFILL AND PATCH TO MATCH EXISTING - TYPICAL.
5. COMBINATION WASTE/VENT
6. CONNECT TO EXISTING VENT PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO THE STARTING OF WORK.
7. LAV. TAILPIPE WITH TRAP PRIMER, RUN $2\frac{1}{2}$ " CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #9 ON PLAN P-500.
8. PROVIDE TRAP PRIMER FOR FLOOR DRAIN/SINK. SEE DETAIL 17/P-500.
9. CONDENSATE: ROUTE SHARED CONDENSATE LINE THROUGH WALK-IN COOLER. DO NOT RUN THROUGH WALK-IN FREEZER. PROVIDE 1" INSULATED CONDENSATE DRAIN PIPE FROM THE EVAPORATIVE COIL, DISCHARGE TO FLOOR SINK WITH AIR GAP OF TWICE PIPE DIAMETER. INSTALL AT MINIMUM 76" HEIGHT A.F.F. REFER TO DETAIL #2 ON SHEET P-500.
10. ROUTE WATER HEATER DRAIN PAN TO MOP SINK.
11. 3/4" GALVANIZED PIPE, THREADED AT BOTH ENDS, ROUTE ABOVE CEILING FROM FRYERS TO GREASE STORAGE TANK, ROUGH-IN HEIGHT AT STORAGE ROOM = 90" AFF, ROUGH-IN HEIGHT AT COOKLINE = 18" AFF, VERTICAL RISE AT FRYER LOCATION SHALL BE AS HIGH AS POSSIBLE BUT NOT EXCEED 15" IN HEIGHT. SLOPE OF PIPE TO BE AS STEEP AS POSSIBLE BUT NO LESS THAN 1/4" PER LINEAR FOOT. REFER TO MANUFACTURER INSTALLATION REQUIREMENTS.

A TANK WATER CLOSET (HANDICAPPED): AMERICAN STANDARD 2467.016, FLUSH TANK WITH TRIP LEVER ON OPEN SIDE OF TOILET. FLOOR MOUNTED. STANDARD WHITE FINISHED. ELONGATED FRONT BOWL. PRESSURE ASSISTED 1.6 GPF. RIM 16 1/2" A.F.F.

B LAVATORY: ZURN MODEL Z5344, 20"x18" HUNG WALL LAVATORY, VITREOUS CHINA, WITH 4" CENTER FAUCET HOLES & ZURN Z-1231 CONCEALED ARM CARRIER.

C TOILET: ZURN MODEL 1101-0101 STANDARD ECOPOWER FAUCET. SENSOR, 0.5 GPM, 0.18gpc. 4" COVER PLATE #THP315MRFC.

D THERMOSTATIC MIXING VALVE: TOTO TL10R.

E PROVIDED & INSTALLED BY CONTRACTOR CONTACT CHRISTINE MCALLEXANDER 800-459-7099 PANDARG@HUCINC.COM

F FLOOR DRAIN: ZURN #ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP. PROVIDE 3" OUTLET WITH P-T-RAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 17P-500. PROVIDE TRAP PRIMER

G FLOOR DRAIN: ZURN #ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP. PROVIDE 3" OUTLET WITH P-T-RAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 9P-500. PROVIDE TRAP PRIMER

H FLOOR SINK: ZURN #Z1901-31, RECEPTOR WITH 12" SQUARE TOP & 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH ALUMINUM DOME STRAINER WITHOUT GRATE.

I FLOOR SINK: ZURN #Z1901-2-32, RECEPTOR WITH 12" SQUARE TOP & 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH PORCELAIN ENAMEL LOOSE-SET 1/2 GRATE AND ALUMINUM DOME STRAINER.

J FLOOR DRAIN WITH FUNNEL: ZURN #ZB415-AR-4 ACID RESISTING EPOXY COATED CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, 4" FUNNEL. PROVIDE 2" OUTLET WITH P-T-RAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL. PROVIDE TRAP PRIMER.

K WATER HAMMER ARRESTER: J. R. SMITH #5020, 1" NIPPLE OR EQUAL

L PROVIDE ZURN 375ST STAINLESS STEEL REDUCED PRESSURE PRINCIPLE ASSEMBLY AT BAG-N-BOX. REFER TO 15P-500

M HOSE BIBB: ACONR #821N1 WITH VACUUM BREAKER, CHROME PLATED.

N HOSE BIBB: WOODFORD MB65 FREEZELESS COMMERCIAL CONCEALED BOX TYPE HULDRANT IN SECURE LOCK STYLE MODULAR BOX. SINGLE CHECK ANTI SIPHON VACUUM BREAKER, CHROME HEAD BRASS VALVE BODY HYDRANT WITH 3/4" HOSE CONNECTION 18" A.F.F.

O TRENCH DRAIN: ZURN #Z-886-RFS, 6" WIDE X 80" LONG, TRENCH DRAIN SYSTEM. MODULAR CHANNEL SECTIONS SHALL BE MADE OF HIGH DENSITY POLYETHYLENE WITH INTERLOCK ENDS, A RADIUS BOTTOM AND REINFORCED STAINLESS STEEL SLOTTED GRATE.

P TRENCH DRAIN: ZURN #Z-664, 6" WIDE X 12" LONG, TRENCH DRAIN SYSTEM. PROVIDE ONE BOTTOM OUTLET MODULE AND ONE EXTENSION MODULE WITH INTERLOCK ENDS, SLOTTED HEEL-PROOF GRATE.

Q PROVIDE WATTS SD-3 DUAL CHECK VALVE WITH ATMOSPHERIC PORT AND STRAINER AFTER EACH BV.

R FREEZE PROOF ROOF HYDRANT: WOODFORD MODEL: SRH-MS

S MOP SINK: GSW #SE242FM 24"x24" STAINLESS STEEL UNIT, 18 GA. STAINLESS STEEL. CHICAGO FAUCET #8977 WITH INTEGRAL STOPS IN SHANKS, WALL BRACE, HOSE THREADS, PALM HOOK, VACUUM BREAKER, ROUGH BRASS FINISH, THREE FOOT RUBBER HOSE, 3" TRAPPED AND VENTED WATER CONNECTION. PROVIDE 3/4" HW & CW R OR C, 36" A.F.F. PROVIDE 3/4" CW HOSE BIBB, ACONR #8121 F/ VACUUM BREAKER, 48" A.F.F. FOR CHEMICAL CONNECTION.

T TANKLESS GAS WATER HEATER SYSTEM. MFG: RINNAI MOT-00247(2 CU)199), 398.000 BTU/HR GAS INPUT, 7.7 GPM @100° RISE. SEE PIPING DIAGRAM ON SHEET P-400 INCLUDE ALL PIPING, VENTING, WALL MOUNTING BRACKET AND ANY ACCESSORIES NECESSARY TO COMPLETE SYSTEM INSTALL. CONTACT: RICO VIGLIETTI, RINNAI AMERICA CORPORATION CORPORATE ACCOUNTS MANAGER (901.440.7389), JVIGLIETTE@RINNAI.US

U FLOOR CLEANOUT: ZURN #Z1400, FLOOR TYPE CLEANOUT. CAST IRON BODY WITH NICKEL BRONZE TOP AND BRONZE PLUG.

V HW CIRC. PUMP - MFG: GRUNDFOFS, UP 15-1885, 1/25 HP, 115 VOLT, 2 GPM @ 7' HEAD OR APPROVED EQUIVALENT.

W FAUCET FOR CHEM: T&S BRASS MODEL #B-0669-POL. PROVIDED BY G.C.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
MECHANICAL ENGINEER LICENSE NO.: 34826; EXPIRATION DATE: 08/05/23.

MC&A
Engineers est. 1960

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	LANDLORD REVIEW	03-04-2022
	FINAL LANDLORD REV.	06-20-2022
	PERMIT	07-19-2022
	BID SET	10-06-2022
	CONSTRUCTION SET	01-16-2023

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TRUE WARM & WELCOME
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Owings Mills, MD 21117

PLUMBING DRAINAGE FLOOR PLAN

TRUE WARM & WELCOME 2300 R6 RR