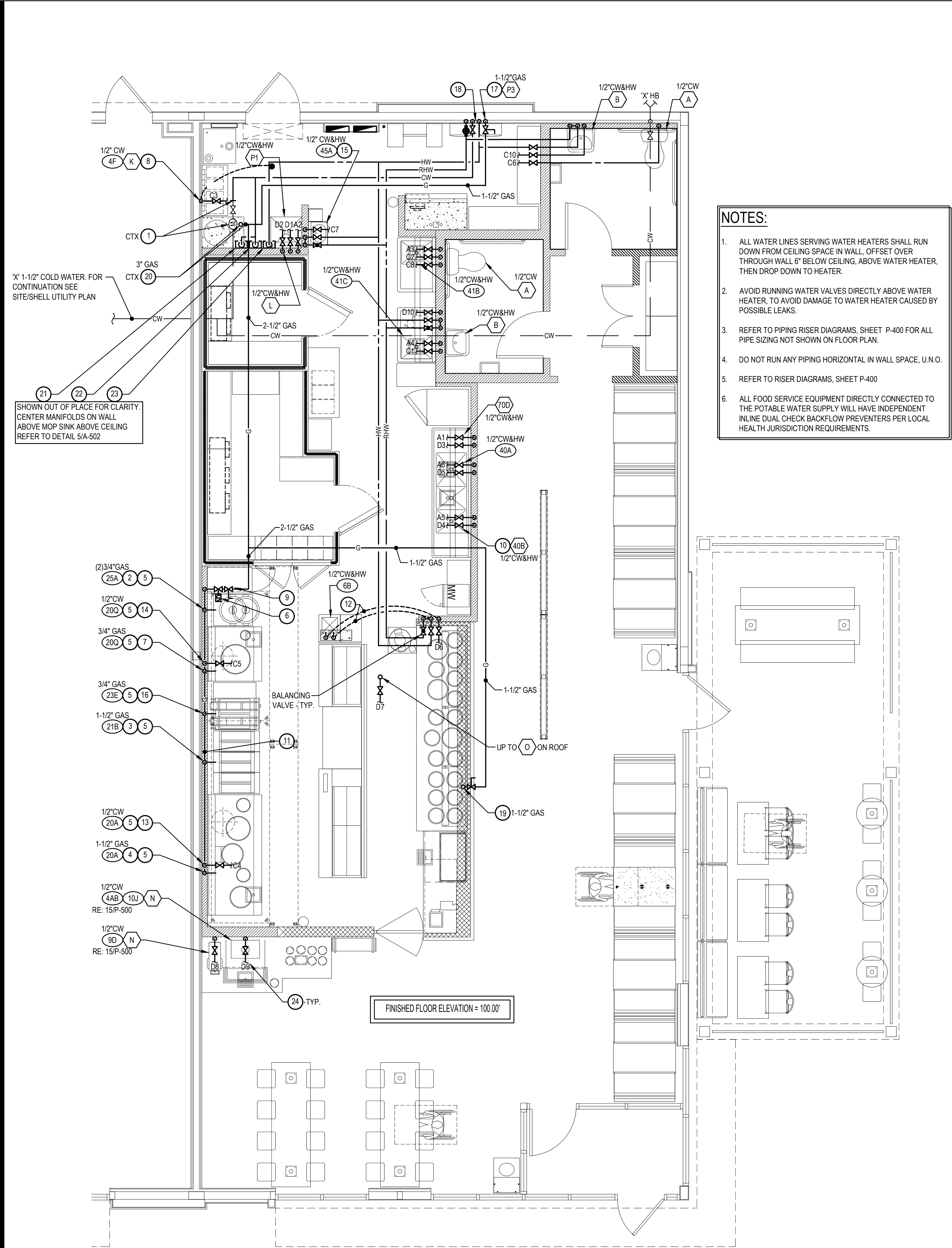


Oct 05, 2022 - 04:35:15 DWG Name: D:\Labs (D)\2022NORR - Detroit\Panda Express\MD Owings\Drawings\OI-Bld Permit\P-100_Plumbing Supply Floor Plan-23000_TMA\LD7861-Owings Mills, MD.dwg Updated By: aleliak



- NOTES:**
- ALL WATER LINES SERVING WATER HEATERS SHALL RUN DOWN FROM CEILING SPACE IN WALL, OFFSET OVER THROUGH WALL 6" BELOW CEILING, ABOVE WATER HEATER, THEN DROP DOWN TO HEATER.
 - AVOID RUNNING WATER VALVES DIRECTLY ABOVE WATER HEATER, TO AVOID DAMAGE TO WATER HEATER CAUSED BY POSSIBLE LEAKS.
 - REFER TO PIPING RISER DIAGRAMS, SHEET P-400 FOR ALL PIPE SIZING NOT SHOWN ON FLOOR PLAN.
 - DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE, U.N.O.
 - REFER TO RISER DIAGRAMS, SHEET P-400
 - ALL FOOD SERVICE EQUIPMENT DIRECTLY CONNECTED TO THE POTABLE WATER SUPPLY WILL HAVE INDEPENDENT INLINE DUAL CHECK BACKFLOW PREVENTERS PER LOCAL HEALTH JURISDICTION REQUIREMENTS.

PLUMBING KEY NOTES

- CONNECT TO EXISTING 1-1/2" COLD WATER PIPING STUB PROVIDED UNDER SHELL DOCUMENTS. 1-1/2" WATER METER INSTALLED IN CEILING SPACE UNDER SHELL DOCUMENTS AND PER THE LOCAL WATER AUTHORITIES REQUIREMENTS. VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO THE STARTING OF WORK.
- 3/4" G DOWN TO RICE COOKER W/ SOV. PROVIDE 6" LENGTH OF RIGID PIPE BETWEEN RICE COOKER AND FLEXIBLE GAS LINE.
- 1-1/2" G DOWN TO DEEP FRYER W/ SOV.
- 1-1/2" G DOWN TO CHINESE RANGE W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
- ROUTE NEW PIPING IN WALL.
- 2" GAS ANSUL VALVE PROVIDED BY OWNER (G.C. CALL CAPITVEAIRE FOR DELIVERY). INSTALL GAS ANSUL VALVE AS ALLOWED PER LOCAL CODE.
- 3/4" G DOWN TO CHINESE RANGE W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
- 1/2" CW TO TRAP PRIMER. PROVIDE WALL ACCESS PANEL. RUN 1/2" CW BELOW FLOOR TO FLOOR DRAIN. SEE DETAIL #17 ON PLAN P-500.
- SHUT OFF VALVE W/ HANDLE AT 11'-0" ABOVE FINISH FLOOR. EASILY ACCESSIBLE. G.C. TO INSTALL LOCATION INDICATOR STICKER PROVIDED BY PANDA EXPRESS
- 1/2" HW & CW TO FAUCET (40B) FOR CHEMICAL FEED SYSTEM. LEFT SIDE PLUMBING ROUGH AT 4" OFF LEFT END OF SINK. SEE CHEMICAL FEED SYSTEM PIPING DIAGRAM ON SHEET P-400.
- GAS HEADER - INSTALL TIGHT TO WALL AND TIGHT TO BOTTOM OF TRUSSES.
- 1/2" HOT AND COLD WATER PIPING, BELOW SLAB TO COUNTER OR HAND SINK
- WATER PIPE DOWN TO CHINESE RANGE "20A", VALVE AND CAP.
- WATER PIPE DOWN TO CHINESE RANGE "20Q", VALVE AND CAP.
- PROVIDE ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE UNDER HAND SINK OR IN ACCESSIBLE LOCATION.
- 3/4" GAS DOWN TO GRIDDLE "23E" W/ SOV.
- 1-1/2" GAS DOWN TO WATER HEATER W/ SOV (SHUT OFF VALVE). EXHAUST & INTAKE VENTS UP TO ROOF. COORDINATE WITH MECHANICAL DRAWINGS AND DETAIL #10 ON SHEET P-500.
- SEE HOT WATER SYSTEM DIAGRAM 5/P-400.
- 1-1/2" GAS UP TO ROOF W/SOV. FOR MAKE-UP AIR UNIT.
- CONNECT TO EXISTING GAS PIPING DOWN FROM ROOF IN JOIST SPACE PROVIDE UNDER THE SHELL DOCUMENTS. UPSIZE EXISTING 1-1/4" LOW PRESSURE GAS PIPING TO 3" AND ROUTE AS SHOWN. VERIFY THE EXACT LOCATION, SIZE AND PRESSURE IN THE FIELD PRIOR TO THE STARTING OF WORK. REFER TO DRAWING P-102 FOR CONTINUATION.
- COLD WATER MANIFOLD "C" BELOW CEILING. REF ARCH ELEVATIONS.
- COLD WATER MANIFOLD "D" BELOW CEILING. REF ARCH ELEVATIONS.
- HOT WATER MANIFOLD "A" BELOW CEILING. REF ARCH ELEVATIONS.
- REFER TO DETAIL #11 ON SHEET P-400 FOR PEX HOME REFERENCE NUMBER - TYPICAL.

KITCHEN EQUIPMENT SCHEDULE

- ITEMS IN THIS SCHEDULE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE AND CONNECTED TO THE PLUMBING UTILITIES BY THE PLUMBING CONTRACTOR, WHO SHALL INSTALL ALL PLUMBING DEVICES FURNISHED WITH EQUIPMENT.
- WASTE, FS = FLOOR SINK, CFD = CONDENSATE FLOOR DRAIN, VB = VACUUM BREAKER. FLEX = A SIX FOOT COILED LENGTH OF FOOD QUALITY FLEXIBLE REINFORCED PLASTIC TUBING CONNECTED FROM THE ROUGH IN TO THE EQUIPMENT WITH ALL REQUIRED ADAPTERS AND HOSE CLAMPS.
- ALL PIPES MUST MAINTAIN A MINIMUM CLEARANCE OF 6" AFF AND MUST BE WELL SUPPORTED. NO FLOOR SUPPORTS ALLOWED.
- (4AB) BEVERAGE COUNTER MOUNTED SODA MACHINE WITH ICE MACHINE. PROVIDE 1/2" COPPER PIPE IW FROM COUNTER TROUGH DRAIN TO FS WITH 1" AIR GAP. INSULATE. WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER. NO LEGS TO BE INSTALLED. MACHINE TO SET DIRECTLY ON COUNTER.
- (4F) WATER FILTER. PROVIDE 1/2" CW AT 96" AFF WITH BV. PROVIDE FLEX AND REDUCED PRESSURE STAINLESS STEEL BACKFLOW PREVENTOR, OR OTHER DEVICE AS REQUIRED BY LOCAL CODE. INSTALL OWNER PROVIDED WATER FILTER AND MAKE CONNECTIONS TO BACKFLOW PREVENTOR AND WATER SUPPLY. PROVIDE ALL REQUIRED FITTINGS TO ALLOW SODA MACHINE INSTALLER TO HOOK UP BOOSTER PUMP TO WATER FILTER. REFER TO DETAIL 15/P-500.
- (6B) 22"D REAR COUNTER WITH HAND SINK. PROVIDE 1/2" CW AND 1/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/2" TURN BALL VALVES. CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PROVIDE 2" DRAIN PIPE WITH "P" TRAP AND WALL MOUNTED CLEAN-OUT. ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C.
- (9D) ICE TEA MAKER. PROVIDE 1/2" CW @ 24" A.F.F. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE TEA INSTALLER TO HOOK UP ONE BV, OTHER BV FOR OTHER EQUIPMENT.
- (10J) SODA MACHINE MOUNTED ICE MACHINE. PROVIDE 1/2" CW AT 24" A.F.F. WITH BV. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE MACHINE INSTALLER TO HOOK UP ICE MACHINE TO CW.
- (20A) CHINESE RANGE. PROVIDE 1/2" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP. PROVIDE 1 1/2" GAS SUPPLY AT 9" AFF WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.
- (20Q) CHINESE RANGE. PROVIDE 1/2" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP. PROVIDE 1" GAS SUPPLY DOWN TO 9" AFF REDUCE TO 3/4" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.
- (21B) FRYER. PROVIDE 1 1/2" GAS SUPPLY DOWN TO 14" AFF THEN TRANSITION TO 1" WITH 90° ANGLE AND SHUT OFF VALVE. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS WITH 90° ANGLE. SEE DETAIL ON P-500
- (23E) GRIDDLE. PROVIDE 3/4" GAS SUPPLY DOWN TO 20" AFF. WITH EASILY ACCESSIBLE SHUT-OFF VALVE. PROVIDE ALL REQUIRED FITTINGS. CONNECT TO UNIT WITH OWNER SUPPLIED QUICK DISCONNECT (3/4"x48", (1) SWIVEL KIT)
- (25A) RICE COOKER. PROVIDE 3/4" GAS SUPPLY AT 30", AND 3/4" GAS SUPPLY AT 10" AFF WITH SHUT OFF VALVES, ONE FOR EACH UNIT. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS.
- (31) WALK-IN COOLER. PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH "P" TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS.
- (32) WALK-IN FREEZER. PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH "P" TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS. PROVIDE HEAT TRACE REFER TO ELECTRICAL DRAWING.
- (40A) POT SINK. PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF AND 8" OC WITH BVS & CV. CONNECT TO OWNER SUPPLIED FAUCET WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW (MANIFOLD ALL COMPARTMENT DRAINS INTO ONE LINE) TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS. SEE DETAIL ON SHEET P-500.
- (41B) SINGLE BOWL PREP SINK. PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF. AND 8" OC WITH BVS. CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS.
- (41C) SINK. PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF AND 8" OC WITH BVS. CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW (MANIFOLD ALL COMPARTMENT DRAINS INTO ONE LINE) TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS.
- (45A) HAND SINK. PROVIDE 1/2" CW AND 1/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/2" TURN BALL VALVES. CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PIPING. PROVIDE 2" DRAIN PIPE WITH "P" TRAP AND WALL MOUNTED CLEAN-OUT. ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C.



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REVISIONS:

ISSUE DATE:

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

DRAWN BY:

PANDA PROJECT #: D7861
ARCH PROJECT #: JCDT21-0268

NORR
ARCHITECTS ENGINEERS PLANNERS

PANDA EXPRESS

TRUE WARM & WELCOME
10300 Mill Run Circle
Owings Mills, MD 21117

P-100

PLUMBING SUPPLY FLOOR PLAN

TRUE WARM & WELCOME 2300 R6 RR

PLUMBING SUPPLY FLOOR PLAN

1

Scale= 1/4" = 1'-0"

P-100

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.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

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CONSTRUCTION SET 01-16-2023