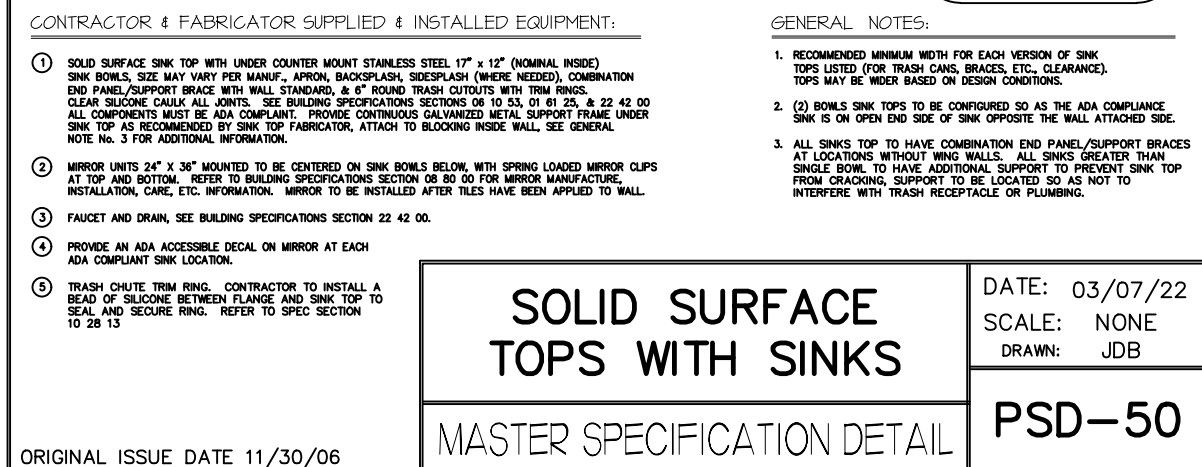
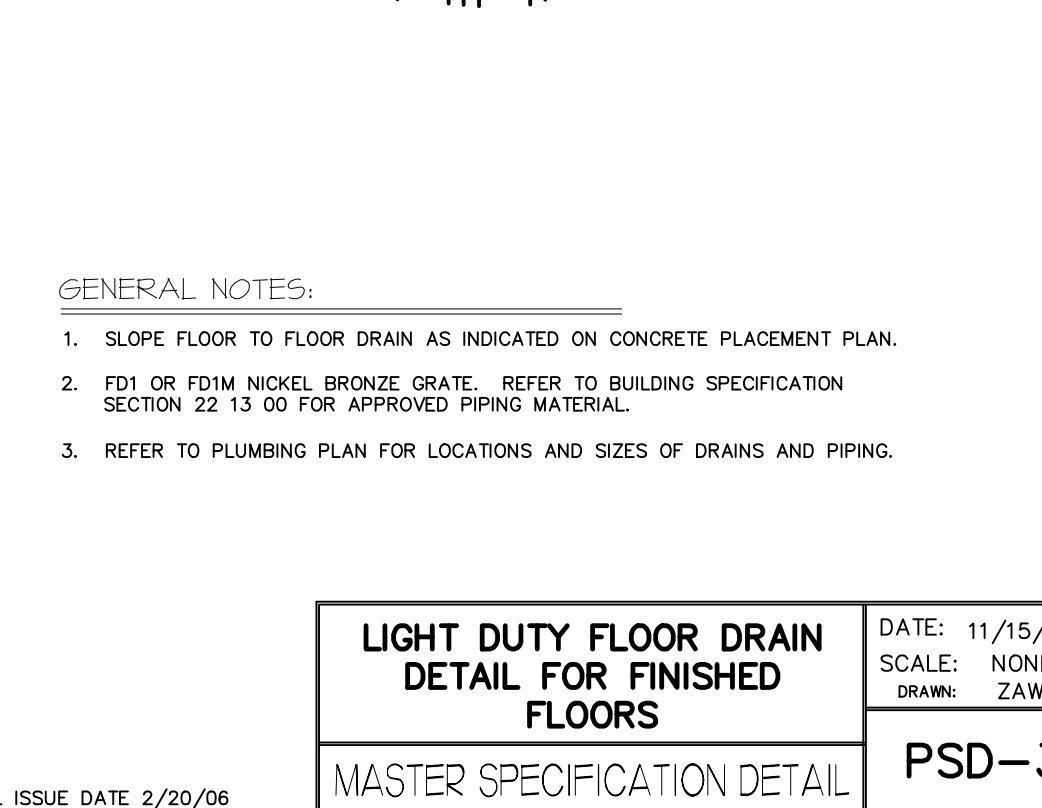
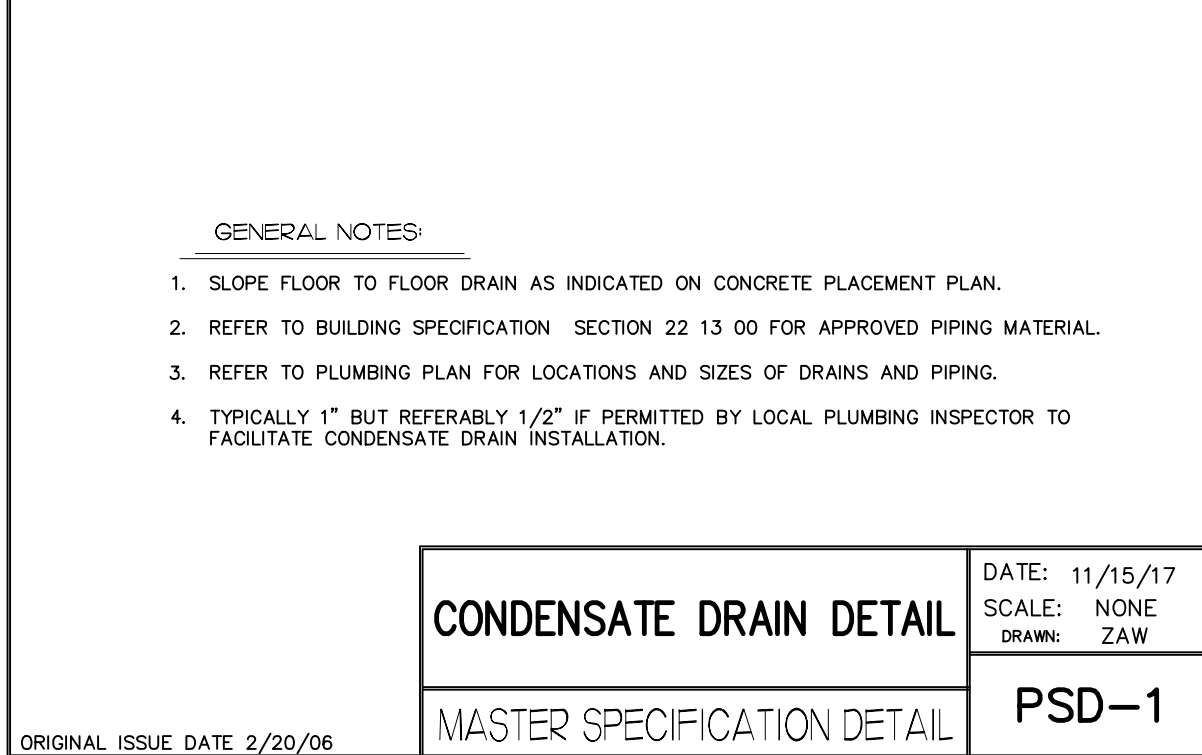


PLUMBING FIXTURE SCHEDULE								
MARK	FIXTURE TYPE	PLUMBING CONNECTION					DESCRIPTION	
		CW	FW	HW	SAN	VENT		GAS
PLC-L1B	1 BOWL COUNTERTOP SINK LEFT SIDE (CONTRACTOR SUPPLY)	(E)1/2"		(E)1/2"	(E)1-1/2"	(E)1-1/4"		PROVIDE VALVED WATER LINES & DRAIN. PROVIDE TOUCHLESS FIXTURE WITH BATTERY POWERED UNIT.
PLC-R1B	1 BOWL COUNTERTOP SINK RIGHT SIDE (CONTRACTOR SUPPLY)	(E)1/2"		(E)1/2"	(E)1-1/2"	(E)1-1/4"		PROVIDE VALVED WATER LINES & DRAIN. PROVIDE TOUCHLESS FIXTURE WITH BATTERY POWERED UNIT.
PLC-L2B	2 BOWL COUNTERTOP SINK LEFT SIDE (CONTRACTOR SUPPLY)	(E)1/2"		(E)1/2"	(E)1-1/2"	(E)1-1/4"		PROVIDE VALVED WATER LINES & DRAIN. PROVIDE TOUCHLESS FIXTURE WITH BATTERY POWERED UNIT.
PL1BR	COUNTERTOP SINK (ADA BREAKROOM)	(E)1/2"		(E)1/2"	(E)1-1/2"	(E)1-1/4"		PROVIDE VALVED WATER LINES & DRAIN. CONNECT TO EXISTING CONNECTIONS



1. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.
3. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND TRADES.
4. THESE DRAWINGS, AS PREPARED, ARE DIAGNMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.
6. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH OWNER'S ROOFING CONTRACTOR SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES.
7. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.
8. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
9. ALL KITCHEN, PREP AREA AND SALES AREA EQUIPMENT WILL BE FURNISHED AND INSTALLED. THE OWNER WILL BE FURNISHED WITH TRIM, FAUCETS, ESCUTCHEONS, ETC. PLUMBING CONTRACTOR SHALL PROVIDE ALL ROUGH-IN TRAPS AND MAKE ALL FINAL CONNECTIONS (SEE EQUIPMENT SCHEDULE).
10. ALL PIPING TO BE CONCEALED IN HUNG CEILINGS, CHASES AND FURRED SPACES.
11. REFER TO EQUIPMENT SCHEDULE AND EQUIPMENT SPECIFICATIONS FOR EXACT LOCATIONS OF PLUMBING CONNECTIONS.
12. THE CONTRACTOR SHALL VERIFY DEPTH, SIZE, LOCATION OF ALL EXISTING UTILITIES IN FIELD PRIOR TO STARTING WORK.
13. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPE HANGERS, AND SUPPORTS IN ACCORDANCE WITH THE LOCAL APPLICABLE CODES.
14. THE CONTRACTOR TO PROVIDE TRAP PRIMERS, DEEP SEAL TRAP OR BARRIER-TYPE TRAP SEAL PER ASSE 1072 ON ALL FLOOR DRAINS AS PER APPLICABLE CODE.
15. ALL PENETRATIONS REQUIRED FOR PLUMBING EQUIPMENT AND PIPING THROUGH ANY WALL SHALL BE PROPERLY SEALED OFF TO MAINTAIN THE INTEGRITY OF THE STRUCTURE.
16. ALL SHUT OFF AND ISOLATION VALVES SHALL BE BALL TYPE. ALL VALVES SERVING TOILETS AND SINKS SHALL BE ANGLE STOP TYPE.
17. PROVIDE AN INDIVIDUAL BALL VALVE AND BACK CHECK VALVE TO EACH INDIVIDUAL PIECE OF EQUIPMENT.
18. PROVIDE AERATORS ON ALL HAND SINKS AND LAVATORIES THROUGHOUT THE FACILITY.

**ABBREVIATIONS**

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AFF	ABOVE FINISHED FLOOR
CO	CLEAN OUT
CW	DOMESTIC COLD WATER
DEMO	DEMOLISH
DN	DOWN
(E)	EXISTING
FD	FLOOR DRAIN
FW	FILTERED WATER
G1	GREASE INTERCEPTOR
HB	HOSE BIBB
HD	HUB DRAIN
HW	DOMESTIC HOT WATER
TD	TRENCH DRAIN
TEMP	TEMPERATURE
T&P	TEMPERATURE & PRESSURE
TYF	TYPICAL
UR	URINAL
V	PLUMBING VENT
VTR	VENT THRU ROOF
WC	WATER CLOSET

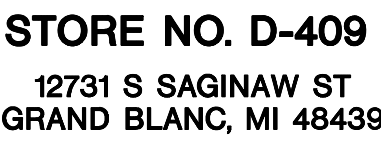
LEGEND	
SYMBOL	DESCRIPTION
	EXIST ITEM TO BE DEMOLISHED
—CW—	DOMESTIC COLD WATER
—FW—	COLD FILTERED WATER
—HW—	DOMESTIC HOT WATER
—HWR—	HOT WATER RETURN
	PLUMBING VENT
—NG—	NATURAL GAS
—SAN—	SANITARY LINE
—GW—	GREASE WATER
	BALL VALVE
	GATE VALVE
	FLOOR DRAIN
	FLOOR SINK
	CLEAN OUT
+	WALL HYDRANT / HOSE BIB
⌋	CAP / PLUG
—DO—	HUB DRAIN
	TRENCH DRAIN

1. COORDINATE NEW SANITARY LINES WITH OTHER TRENCH WORK ACTIVITIES.
2. VERIFY LOCATION OF ALL EXISTING SANITARY LINES FOR TIE IN CONNECTIONS.
3. SEE KROGER STANDARD PLUMBING DETAIL SHEETS FOR INSTALLATION REQUIREMENTS OF BELOW SLAB PLUMBING.
4. BRANCH PLUMBING VENTS TOGETHER AS MUCH AS POSSIBLE TO MINIMIZE THE NUMBER OF ROOF PENETRATIONS FOR VENTS.
5. ALL DRAIN LINE WYES ON BRANCH LINES TO LAY HORIZONTAL. ALL DRY VENT WYES ON BRANCH LINES TO LAY VERTICAL.
6. ALL NEW LINES ARE SHOWN AS BOLD WITH EXISTING SHOWN AS LIGHTER.
7. GC TO VERIFY LOCATION OF EXISTING SANITARY AND VENT LINES AND MAKE ALL NECESSARY CONNECTIONS AS REQUIRED FOR A FULLY FUNCTIONAL DRAIN SYSTEM.
8. FOR ALL NEW VENTS, CONNECT TO EXISTING VENT STACK THAT IS APPROPRIATELY SIZED. MINIMIZE NEW ROOF PENETRATIONS FOR PLUMBING VENTS.
9. EXISTING SANITARY IN THE STORE MAY BE SOMEWHAT DIFFERENT THAN AS SHOWN ON THE DRAWING. SLIGHT CHANGES MAY BE REQUIRED TO BUILD A FUNCTIONAL SYSTEM.
10. EXISTING HUB DRAINS MAY BE REWORKED/REUSED TO ACCOMMODATE NEW CAGES IF PRACTICAL. HD MUST BE CONCEALED AND MUST BE 1" AFF.
11. VERIFY EXISTENCE, LOCATION AND OPERATION OF EXISTING BACK-WATER VALVE. BUILDING DRAIN. REPORT FINDINGS TO KROGER ENGINEER AND OWNERS ARCHITECT/ENGINEER.
12. MOST HUB DRAINS ARE SHOWN AS 3" SAN WITH A 3" HUB DRAIN EXPANSION AND 3" FIXTURE TRAP. WHERE HUB DRAINS SERVE MULTIPLE FIXTURES, PROVIDE WITH 4" CONCENTRIC FITTING AT HUB OPENING.
13. PROVIDE SS COVERS FOR ALL EXISTING BROKEN CLEANOUT COVERS.
14. ALL NEW VERTICAL DRAIN DROPS WILL HAVE A LINE SIZED VERTICAL CLEANOUT. THIS CLEAN OUT WILL BE CONCEALED BY A COVER.
15. JOBS THAT ARE BUILT WITH NEW POLISHED CONCRETE FLOOR OPTION WILL REQUIRE REPLACEMENT OF ALL EXPOSED PLUMBING FIXTURES. (MAINLY CLEAN OUTS AND FLOOR DRAINS). REPLACE ALL EXPOSED FIVE FIFTH SIOUX CHIEF FINISH LINE PRODUCT. THIS COST IS COVERED BY THE INITIAL BID.
16. ADJUST ELEVATION OF COVER WHEN CHANGING FROM VCT FLOORING TO A DYED POLISHED CONCRETE SO THAT COVER IS FLUSH WITH FLOOR.

1. PROVIDE SHUT OFF VALVES FOR EACH HW, CW, AND FW DROP TO ALL EQUIPMENT AND FIXTURES AT A LOCATION PER THE PLUMBING CODE.
2. ALL NEW HW/CW RUNS TO BE SEPARATED BY DISTANCE PER THE PLUMBING CODE. ALL NEW HW AND CW LINES TO BE INSULATED PER CROMER STANDARDS.
3. PLUMBING RUNS MAY REQUIRE A SLIGHTLY DIFFERENT PATH THAN AS SHOWN DUE TO MINOR INTERFERENCE. CONTRACTOR TO VERIFY THAT PLUMBING PATH IS ACCEPTABLE TO CODES.
4. VERIFY AND PROVIDE IF NECESSARY BUILDING MAIN BACKFLOW PREVENTION DEVICES. VERIFY AND PROVIDE IF NECESSARY PROPER BACKFLOW PREVENTION FOR OTHER PLUMBING FIXTURES.
5. WHOLE STORE REQUIRES AUTOMATIC FIRE SPRINKLER HEAD EVALUATIONS AND MODIFICATIONS. REMOVE, RELOCATE, ELIMINATE AND ADD SPRINKLER HEADS REFLECTED TO CODE. REFLECTED CEILING PLAN, NEW SOFFIT LOCATIONS AND NEW & DEMOLISHED WALL. WALL FIRE SUPPRESSION SHALL BE HANDLED AS A DEFERRED SUBMITTAL.
6. VERIFY THAT ALL SANITIZERS HAVE PROPER BACKFLOW PREVENTION. PROVIDE #1012 BACK FLOW PREVENTER TO EACH SANITIZER AS REQ'D.
7. ALL NEW EXPOSED PIPE TO BE PAINTED TO MATCH EXISTING EXPOSED STRUCTURE.
8. NO SURFACE MOUNTED WATER OR VENT LINES PERMITTED EXPOSED IN ANY PREP ROOM.
9. PROVIDE BALL VALVES AT ALL NEW BRANCH LINE LOCATIONS. U.O.N. INSTALL AT 10'-6" AFF.

Issued for:	<b>BIDS AND PERMITS</b>	<b>01/31/2024</b>
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**PROPOSED MINOR INTERIOR  
REMODEL FOR:**



**THE KROGER CO. OF MICHIGAN**



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## PLUMBING DETAILS, SCHEDULE, NOTES

Project no.

sheet no

23042

## P5.1