

PLUMBING SYMBOLS LEGEND			
○	FLOOR DRAIN	---	DOMESTIC HOT WATER
○	HUB DRAIN (NEW)	---	DOMESTIC WATER RECIRCULATION
○	HUB DRAIN (EXIST. TO REMAIN)	---	PRESSURE & TEMP. RELIEF LINE
○	HUB DRAIN (EXIST. TO REMAIN) COOLER/FREEZER COND. DRAIN	---	CONDENSATE DRAIN LINE
○	HUB DRAIN (EXIST. TO REMAIN) COOLER/FREEZER COND. DRAIN	---	RAIN WATER LEADER
○	FLOOR DRAIN (EXIST. TO REMAIN)	---	GAS LINE
○	FLOOR SINK (EXIST. TO REMAIN)	---	SAFEGAS LINE
○	TRENCH DRAIN (EXIST. TO REMAIN)	---	FIRE PROTECTION
○	CLEANOUT	---	SHUT OFF VALVE
○	RELIEF VALVE	○	FIRE SPRINKLER HEAD
○	AIR CHAMBER	○	PIPE TURN UP
○	UNION	○	PIPE TURN DOWN
○	SOIL OR WASTE LINE	○	P-TRAP
○	SANITARY VENT LINE		
○	DOMESTIC COLD WATER		

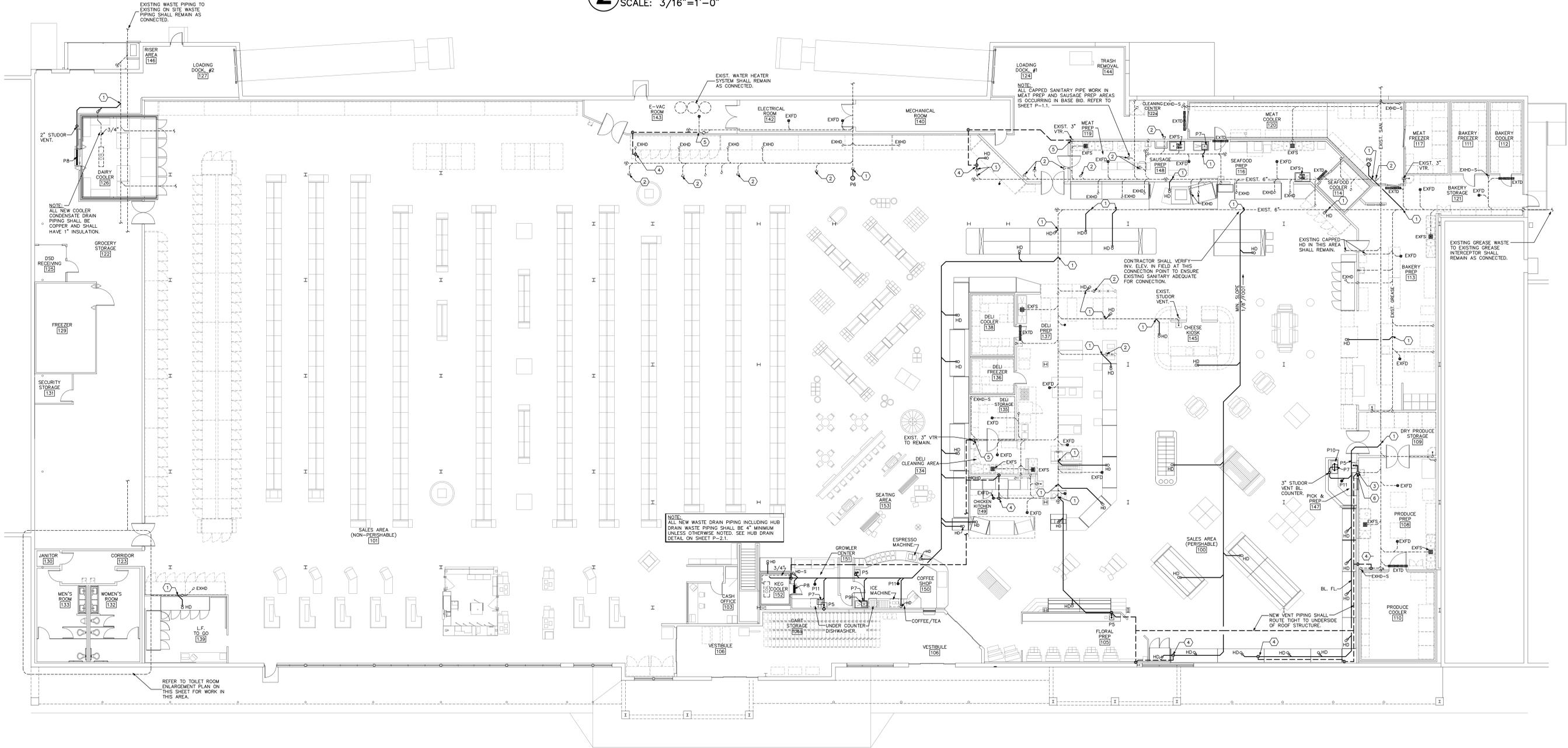
NOTE: THIS IS AN EXISTING FACILITY WHICH HAS EXISTING SANITARY AND WATER DISTRIBUTION SYSTEMS. ALTERATIONS TO EXISTING WORK BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIOS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED SYSTEM IN WORKING CONDITION.

PLUMBING ABBREVIATION LEGEND			
DN.	DOWN	C.C.	CENTER TO CENTER
EXT.	EXTERIOR	N.T.S.	NOT TO SCALE
F.D.	FLOOR DRAIN	MFR.	MANUFACTURER
F.F.	FINISH FLOOR	S.O.V.	SHUT OFF VALVE
A.F.F.	ABOVE FINISH FLOOR	W.C.	WATER CLOSET
V.T.R.	VENT THRU ROOF	SK.	SINK
TYP.	TYPICAL	D.W.	DISH WASHER
R.D.	ROOF DRAIN	E.D.F.	ELECTRIC DRINKING FOUNTAIN
REV.	REVISION	UR.	URNAL
O.C.	ON CENTER		
F.U.	FIXTURE UNITS		
H.B.	HOSE BIBBS		
C.O.	CLEANOUT		
E.W.H.	ELECTRIC WATER HEATER		
JAN/SK.	JANITOR SINK		
P & T	PRESSURE & TEMPERATURE		
R.W.L.	RAIN WATER LEADER		

- SPECIFIC PLUMBING NOTES**
- CONNECT TO EXISTING SANITARY/GREASE WASTE BELOW FLOOR IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - EXISTING SANITARY PIPING BELOW FLOOR SLAB SHALL BE CAPPED IN THIS AREA. EXISTING PIPE MUST BE CAPPED IN A MANNER THAT DOES NOT LEAVE ANY DEAD-ENDS. ANY BRANCHES LONGER THAN 2' MUST HAVE CLEANOUTS INSTALLED. CONTRACTOR SHALL REPAIR FLOOR SLAB AS REQUIRED.
 - CONNECT TO EXISTING WASTE/VENT STACK IN WALL IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - PROVIDE NEW 3" VENT PIPING BELOW FLOOR. OFFSET TO WALL AS INDICATED.
 - CONNECT TO EXISTING VENT PIPING ABOVE CEILING IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - EXISTING 2" VTR IN THIS AREA SHALL BE REPLACED WITH NEW 3" VTR.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL CASE ROUGH-IN DIMENSIONS WITH THE CASE MANUFACTURER. CONTRACTOR SHALL LAY-OUT ALL ROUGH-INS FOR APPROVAL BY LOWES FOOD AND CASE MANUFACTURER PRIOR TO ANY WORK. DIMENSIONS SHOWN MAY OR MAY NOT BE ACCURATE FOR THE SPECIFIC CASES TO BE SUPPLIED ON THIS PROJECT.

(TOILET ROOM ENLARGEMENT)
2 PART. FLOOR PLAN - PLUMBING
 SCALE: 3/16"=1'-0"

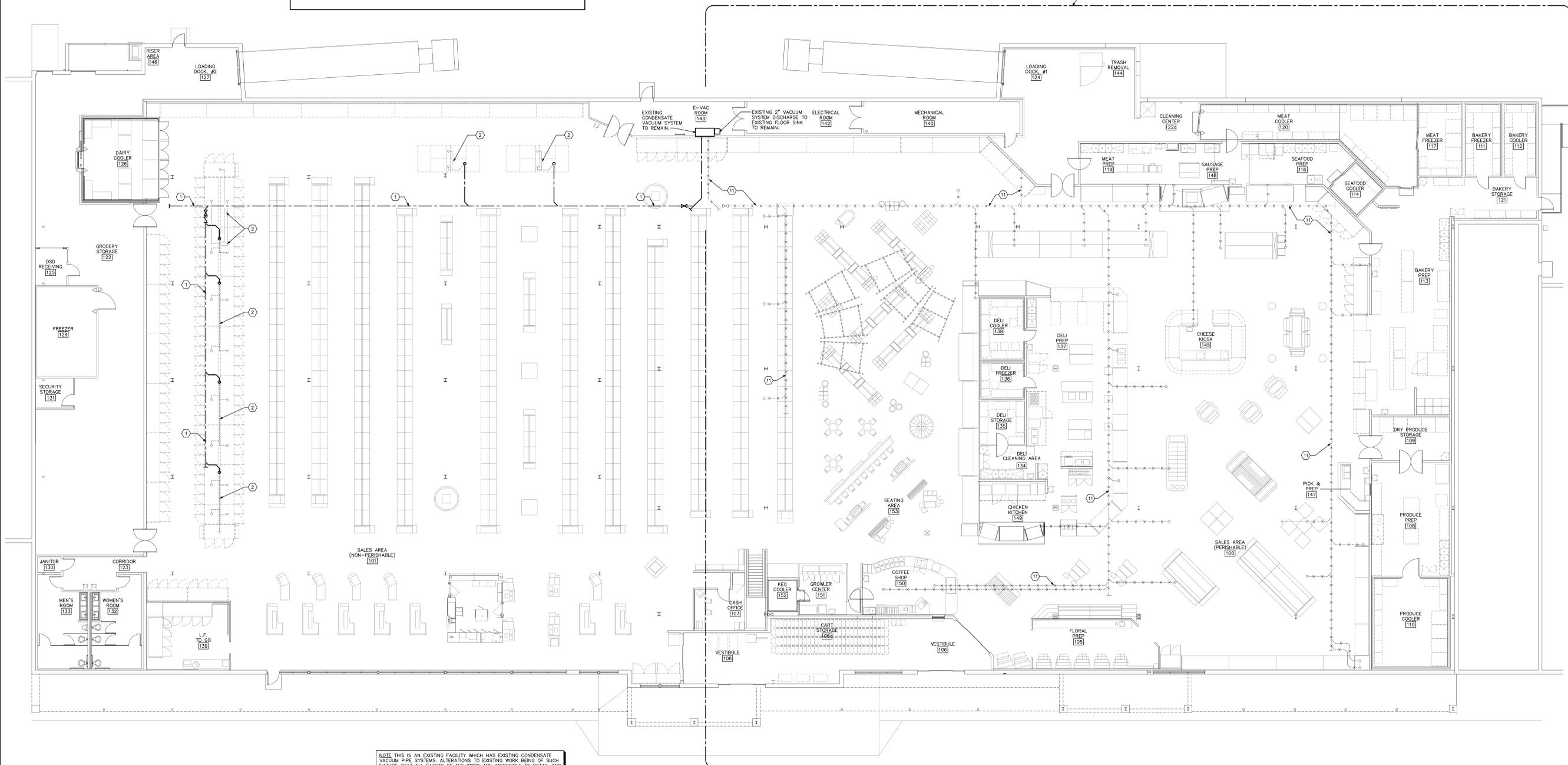


(SANITARY BELOW FLOOR PIPING)
1 FLOOR PLAN - WASTE PIPING
 SCALE: 3/32"=1'-0"

SPECIFIC PLUMBING NOTES

- 1 EXISTING CONDENSATE VACUUM PIPING OVERHEAD SHALL REMAIN AS CONNECTED.
- 2 EXISTING CASE DRAIN PIPING BELOW CASES AND ABOVE FLOOR TO VACUUM RISER SHALL REMAIN AS CONNECTED.
- 3 EXISTING CASE DRAIN PIPING BELOW CASES AND ABOVE FLOOR TO VACUUM RISER SHALL BE REUSED FOR NEW EQUIPMENT. CONTRACTOR SHALL CONNECT TO NEW EQUIPMENT AS REQUIRED.
- 4 EXISTING CASE DRAIN PIPING BELOW CASES AND ABOVE FLOOR SHALL BE CAPPED IN THIS AREA.
- 5 NEW CASE DRAIN PIPING BELOW CASES AND ABOVE FLOOR SHALL CONNECT TO EXISTING CASE DRAIN PIPING IN THIS AREA.
- 6 EXISTING CONDENSATE VACUUM PIPING OVERHEAD SHALL BE CAPPED IN THIS AREA. ALL EXISTING VACUUM PIPING BEYOND THIS POINT SHALL BE REMOVED.
- 7 NEW CASE DRAIN PIPING BELOW CASE AND ABOVE FLOOR SHALL CONNECT TO EXISTING VACUUM RISER IN THIS AREA.
- 8 NEW 1-1/2" VACUUM RISER DOWN IN THIS AREA PICKING UP NEW CASE DRAINS.
- 9 CONNECT TO EXISTING CONDENSATE VACUUM PIPING OVERHEAD IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
- 10 NEW CASE DRAIN PIPING BELOW CASES AND ABOVE FLOOR SHALL CONNECT TO NEW VACUUM RISER AS INDICATED.
- 11 EXISTING (E-CV) CONDENSATE VACUUM PIPING OVERHEAD SHALL REMOVED AND REPLACED WITH NEW WASTE PIPING SYSTEM. REFER TO SHEET P1.1A FOR NEW PIPING.

NOTE:
ALL EVAC IN THIS AREA TO BE
REMOVED FOR NEW WORK. REFER TO
SHEET P1.1A FOR NEW WASTE PIPING
IN THIS AREA.



NOTE: THIS IS AN EXISTING FACILITY WHICH HAS EXISTING CONDENSATE VACUUM PIPE SYSTEMS. ALTERATIONS TO EXISTING WORK BEING OF SUCH NATURE THAT ALL PORTIONS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED SYSTEM IN WORKING CONDITION.

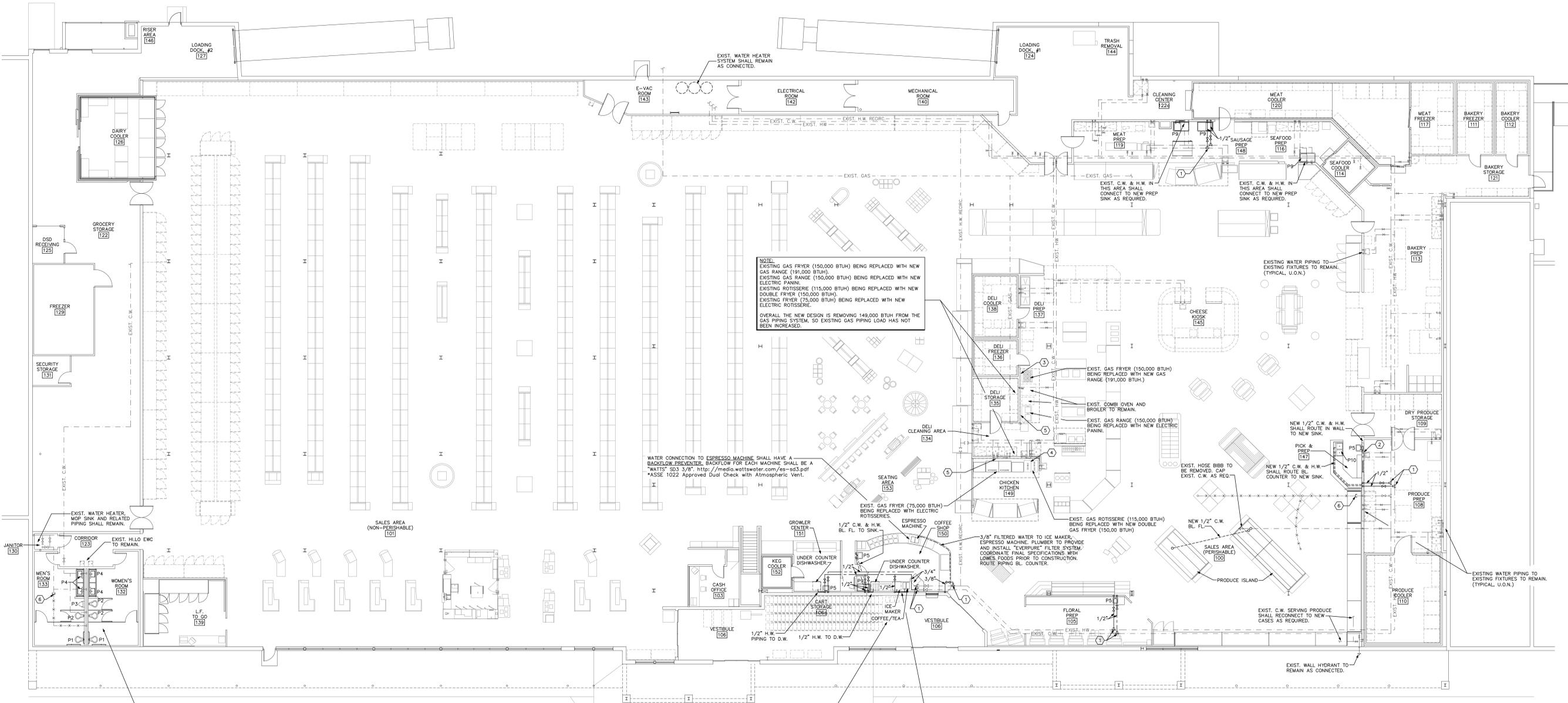
(EVAC ABOVE FLOOR SYSTEM)

1 FLOOR PLAN - WASTE PIPING
SCALE: 3/32"=1'-0"

NOTE: THIS IS AN EXISTING FACILITY WHICH HAS EXISTING SANITARY AND WATER DISTRIBUTION SYSTEMS. ALTERATIONS TO EXISTING WORK BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED SYSTEM IN WORKING CONDITION.

- ### SPECIFIC PLUMBING NOTES
- CONNECT TO EXISTING WATER PIPING ABOVE CEILING IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - CONNECT TO EXISTING WATER PIPING IN WALL IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - NEW GAS RANGE (191,000 BTUH) SHALL CONNECT TO EXISTING GAS HEADER IN THIS AREA. PROVIDE NEW 1/2" GAS PIPING AND CONNECT AS REQUIRED. CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION IN FIELD PRIOR TO CONSTRUCTION.
 - NEW FRYER (150,000 BTUH) SHALL CONNECT TO EXISTING GAS HEADER IN THIS AREA. PROVIDE NEW 1/2" GAS PIPING AND CONNECT AS REQUIRED. CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION IN FIELD PRIOR TO CONSTRUCTION.
 - EXISTING GAS PIPING IN THIS AREA SHALL BE CAPPED BEHIND NEW ELECTRICAL EQUIPMENT.
 - EXISTING C.W. PIPING SHALL BE CAPPED BELOW FLOOR. PIPING BEYOND THIS POINT SHALL BE REMOVED. CONTRACTOR SHALL REPAIR FLOOR SLAB AS REQUIRED.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL CASE ROUGH-IN DIMENSIONS WITH THE CASE MANUFACTURER. CONTRACTOR SHALL LAY-OUT ALL ROUGH-INS FOR APPROVAL BY LOWES FOOD AND CASE MANUFACTURER PRIOR TO ANY WORK. DIMENSIONS SHOWN MAY OR MAY NOT BE ACCURATE FOR THE SPECIFIC CASES TO BE SUPPLIED ON THIS PROJECT.



NOTE:
 EXISTING GAS FRYER (150,000 BTUH) BEING REPLACED WITH NEW GAS RANGE (191,000 BTUH).
 EXISTING GAS RANGE (191,000 BTUH) BEING REPLACED WITH NEW ELECTRIC PANINI.
 EXISTING ROTISSERIE (115,000 BTUH) BEING REPLACED WITH NEW DOUBLE FRYER (150,000 BTUH).
 EXISTING FRYER (75,000 BTUH) BEING REPLACED WITH NEW ELECTRIC ROTISSERIE.
 OVERALL THE NEW DESIGN IS REMOVING 149,000 BTUH FROM THE GAS PIPING SYSTEM, SO EXISTING GAS PIPING LOAD HAS NOT BEEN INCREASED.

WATER CONNECTION TO ESPRESSO MACHINE SHALL HAVE A BACKFLOW PREVENTER. BACKFLOW FOR EACH MACHINE SHALL BE A "WATTS" 503 3/8". <http://media.wattswater.com/es-sd3.pdf>
 *ASSE 1022 Approved Dual Check with Atmospheric Vent.

3/8" FILTERED WATER TO ICE MAKER, ESPRESSO MACHINE. PLUMBER TO PROVIDE AND INSTALL "EVERPURE" FILTER SYSTEM. COORDINATE FINAL SPECIFICATIONS WITH LOWES FOODS PRIOR TO CONSTRUCTION. ROUTE PIPING BL. COUNTER.

NOTE:
 EXISTING C.W., H.W., BALANCING VALVE AND MIXING VALVES IN THIS AREA SHALL REMAIN AS CONNECTED. CONTRACTOR SHALL REROUTE C.W. & H.W. PIPING IN WALL AS REQUIRED TO CONNECT TO NEW LOCATIONS OF NEW PLUMBING FIXTURES. ALL PLUMBING FIXTURES IN BATHROOMS ARE TO BE REPLACED.

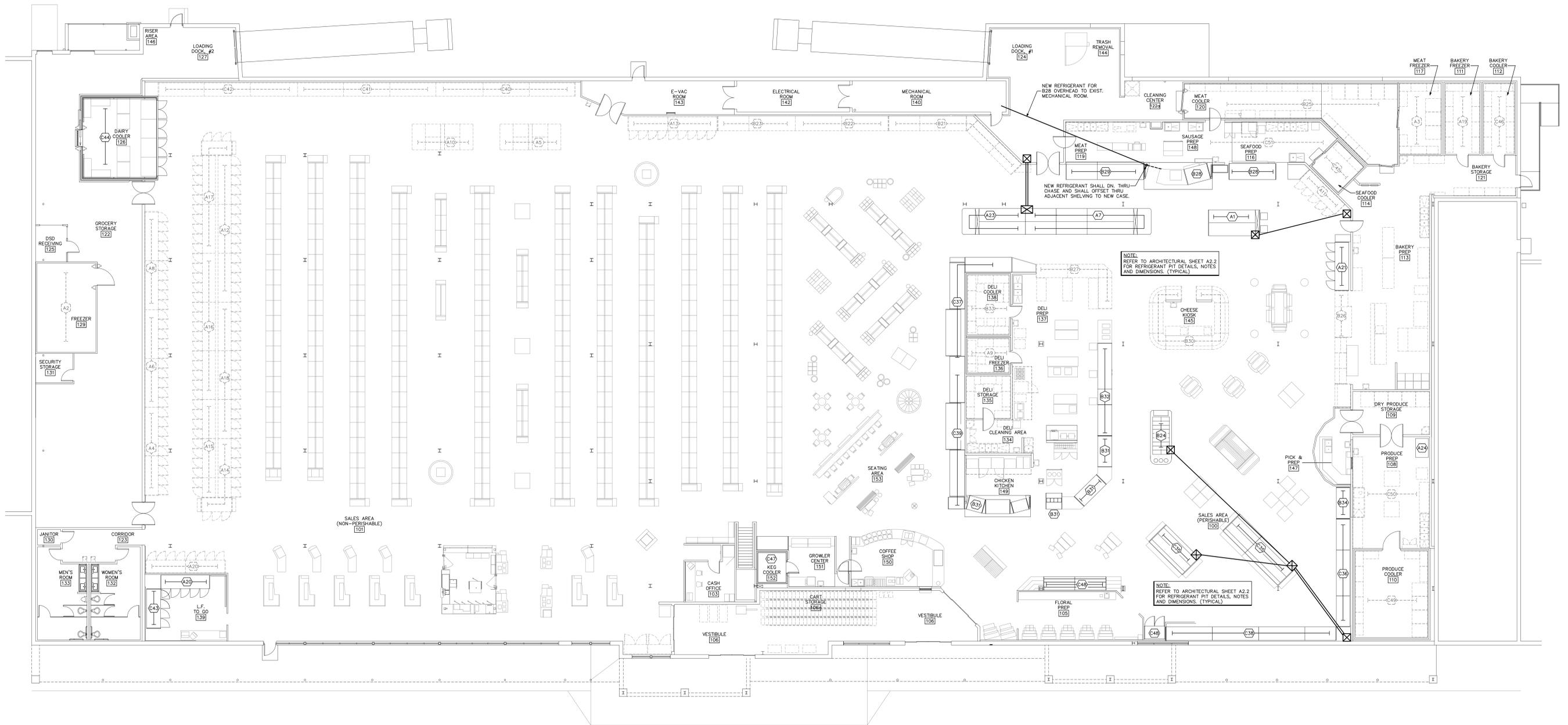
WATER CONNECTION TO TEA BREWER, COFFEE BREWER AND ICE MACHINE SHALL HAVE A BACKFLOW PREVENTER. BACKFLOW FOR EACH MACHINE SHALL BE A "WATTS" 503 3/8". <http://media.wattswater.com/es-sd3.pdf>
 *ASSE 1022 Approved Dual Check with Atmospheric Vent.

3/8" FILTERED WATER TO ICE MAKER, COFFEE AND TEA BREWERS. PLUMBER TO PROVIDE AND INSTALL "EVERPURE" FILTER SYSTEM. COORDINATE FINAL SPECIFICATIONS WITH LOWES FOODS PRIOR TO CONSTRUCTION.

1 FLOOR PLAN - WATER & GAS PIPING
 SCALE: 3/32"=1'-0"

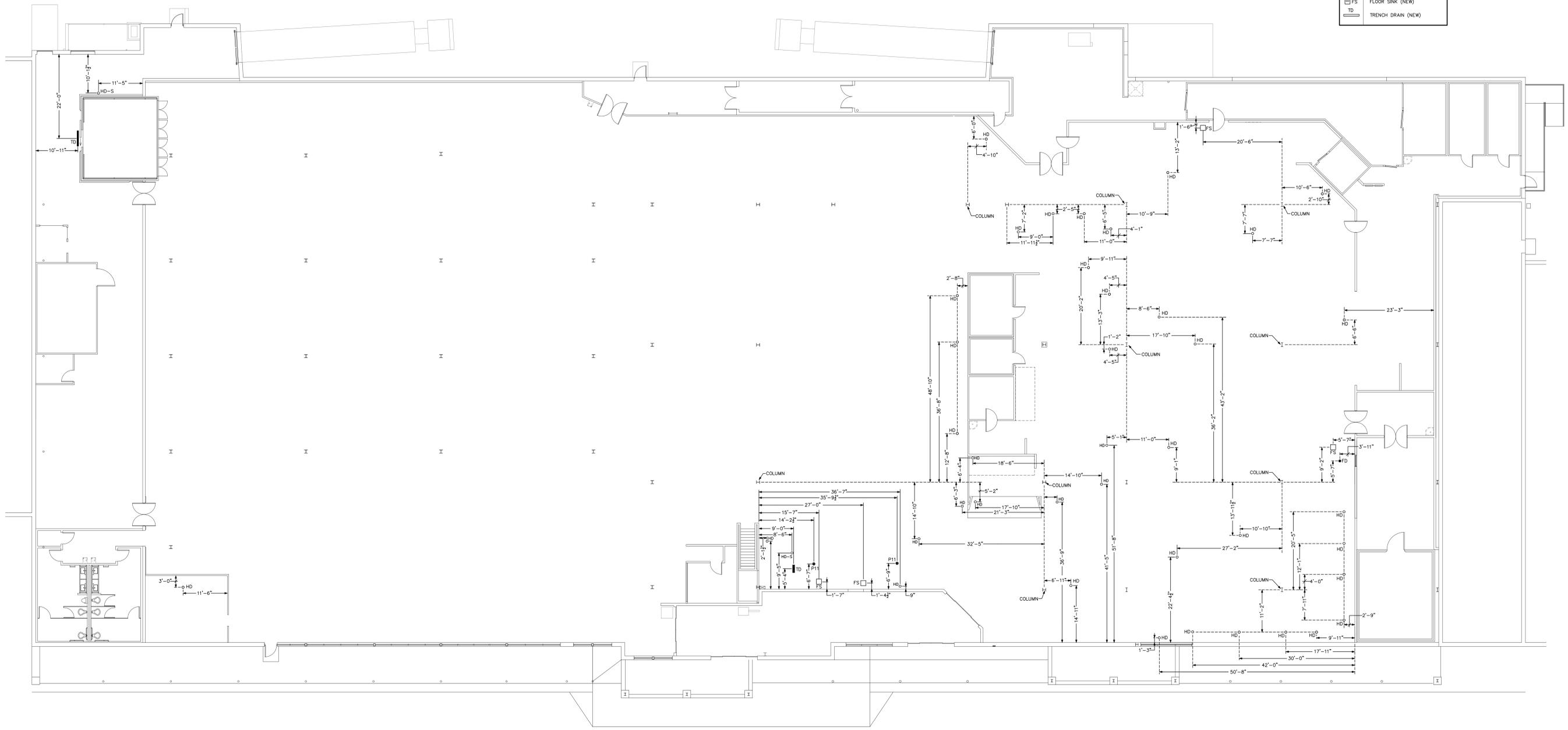
REFRIGERATION NOTES

1. REFRIGERATION LINES BY LOWES FOODS. COORDINATE INSTALLATION OF ALL NEW REFRIGERANT LINES WITH LOWES FOODS.
2. ALL NEW REFRIGERANT PIPING FROM NEW OR RELOCATED CASES SHALL RUN OVERHEAD TO EXISTING MECHANICAL ROOM UNLESS OTHERWISE NOTED. COORDINATE FINAL REFRIGERANT PIPE ROUTING AND SIZING WITH LOWES FOODS PRIOR TO CONSTRUCTION.



1 REFRIGERATION PIT PIPING PLAN - PLUMBING
SCALE: 3/32"=1'-0"

PLUMBING SYMBOLS LEGEND	
○HD	HUB DRAN (NEW)
⊙FD	FLOOR DRAIN (NEW)
⊞FS	FLOOR SINK (NEW)
—TD	TRENCH DRAIN (NEW)



1 DIMENSION PLAN - PLUMBING
SCALE: 3/32"=1'-0"

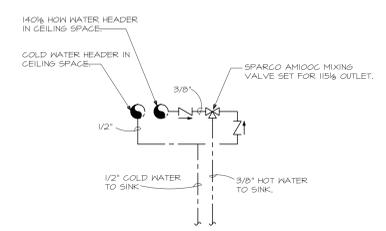
PLUMBING FIXTURE SCHEDULE							ACCEPTABLE ALTERNATIVE MANUFACTURERS: SEE NOTE 6	
SYM.	FIXTURE	CW	HW	DRAIN	STOPS & VALVES	MANUF. MODEL	REMARKS	
P-1	WATER CLOSET FLOOR MOUNT FLUSH VALVE HANDICAP	1"	-	3"	FLUSH VALVE	AMERICAN STANDARD 3461.1.28 1.28 GPF	INCLUDE SLOAN #111-1.28 SMOOTH, BATTERY OPERATED FLUSH VALVE. OLSONITE #10 WHITE OPEN FRONT SEAT WITHOUT COVER. SEE NOTES 1,2.	CRANE, KOHLER, ELIER FOR FIXTURES ONLY. NO SUBSTITUTION FOR SLOAN VALVE.
P-2	WATER CLOSET FLOOR MOUNT FLUSH VALVE	1"	-	3"	FLUSH VALVE	AMERICAN STANDARD 3451.1.28 1.28 GPF	INCLUDE SLOAN #111-1.28 SMOOTH, BATTERY OPERATED FLUSH VALVE. OLSONITE #10 WHITE OPEN FRONT SEAT WITHOUT COVER. SEE NOTE 2.	
P-3	URINAL HANDICAP	3/4"	-	2"	FLUSH VALVE	AMERICAN STANDARD 6590.001	INCLUDE SLOAN 186-1.0 SMOOTH, BATTERY OPERATED FLUSH VALVE. SEE NOTE 1.	
P-4	LAVATORY COUNTER HANDICAP	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	KOHLER K-2297	LAVATORIES ARE UNDERMOUNT TYPE AND SUPPLIED BY LOWES FOODS WITH FINAL CONNECTION BY P.S. INSTALL A KOHLER K-11809 TOUCHLESS FAUCET STAINLESS STEEL FINISH. GRID DRAIN, BRASS CRAFT R19C SUPPLY VALVE W/CHROME PLATED RISER AND WALL FLANGE, 1-1/4"x1-1/4" TUBULAR P-TRAP. GP. INCLUDE K-11830-NA WALL MOUNT VALVE AND K-13601 THERMOSTATIC MIX VALVE. BATTERY POWERED. SEE NOTES 1&3.	CRANE KOHLER ELIER
P-5	HAND SINK STAINLESS STEEL	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	-	SINK AND FAUCET SUPPLIED BY LOWES FOODS. PLUMBER SHALL INCLUDE ALL EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION THAT DOES NOT COME WITH SINK. PROVIDE MIXING VALVE. REFER TO MIXING VALVE DETAIL ON THIS SHEET.	-
P-6	FINISHED FLOOR CLEANOUT (FOOT TRAFFIC AREAS)	-	-	4"	-	SILOUX CHEF 834-4PNR	COMPLETE ASSEMBLY WITH PVC BASE AND NICKEL BRONZE TOP.	NO ALTERATIONS
P-7	FLOOR SINK	-	-	3"	-	MFAB FS1720-150-5	HALF TOP GRATE, 12" X 12" TOP AND SEDIMENT BUCKET.	
P-8	TRENCH DRAIN (PREP AREAS)	-	-	4"	-	ACO K100-425/426	DEEP SEAL TRAP SLOTTED LOAD CLASS "C" GALVANIZED STEEL GRATE.	
P-9	1 COMP. PREP SINK STAINLESS STEEL	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	-	SINK AND FAUCET SUPPLIED BY LOWES FOODS. PLUMBER SHALL INCLUDE ALL EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION THAT DOES NOT COME WITH SINK.	
P-10	2 COMP. PREP SINK STAINLESS STEEL	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	-	SINK AND FAUCET SUPPLIED BY LOWES FOODS. PLUMBER SHALL INCLUDE ALL EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION THAT DOES NOT COME WITH SINK.	
P-11	FLOOR DRAIN (NON WASH-DOWN AREAS)	-	-	3"	-	MFAB F1000-R8-7	NICKEL BRONZE, DEEP SEAL TRAP. PROVIDE PRIMER TAP. SEE NOTE 4.	NO ALTERATIONS

NOTES:

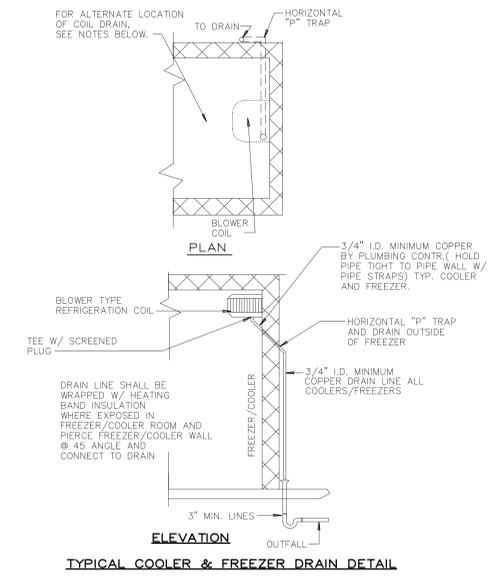
- MATERIAL AND INSTALLATION SHALL BE PER STATE HANDICAP CODE REQUIREMENTS AND ADA REQUIREMENTS.
- TOILETS SHALL FLUSH ON A MAXIMUM OF 1.28 GALLONS PER FLUSH.
- LAVATORIES SHALL HAVE 5 GPM FLOW AERATORS.
- INDICATED FLOOR DRAINS SHALL BE PRIMED WITH 1/2" COPPER LINE FROM NEARBY CLEAR WATER FIXTURE (LAVATORY). TAP CLEAR WATER FIXTURE TAIL PIECE WITH WATER SAVER TRAP PRIMER AND ROUTE COPPER SUPPLY LINE UNDER SLAB TO DRAIN PRIMER CONNECTION. WATER SERVER TRAP PRIMER SHALL BE ACCESSIBLE AND CODE APPROVED. IF A CLEAR WATER FIXTURE SUCH AS A LAVATORY IS NOT AVAILABLE, TAP NEARBY COLD WATER LINE AND ROUTE 1/2" PRIMER LINE THROUGH PRIMER VALVE CODE APPROVED FOR WASTE/WATER CROSS CONNECTION. VALVE SHALL BE ACCESSIBLE AND INSTALLED ON WALL ABOVE FLOOR SINK OF CLOSEST PREP SINK.
- INSTALL CHECK VALVE ON COLD AND HOT WATER SUPPLY LINES SERVING MOP SINK AND CLEANING CENTER.
- FIXTURES BY ALTERNATE MANUFACTURERS MUST BE APPROVED BY LOWES FOODS ENGINEERING PRIOR TO PURCHASE.

- GENERAL PLUMBING NOTES**
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL FIXTURES AND EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THIS REQUIREMENT IS TO SUPERSEDE ANY DETAILS OR INFORMATION CONTAINED ON THESE DRAWINGS.
 - ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
 - THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
 - ALL MATERIAL SHALL BE NEW.
 - ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
 - ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
 - THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
 - ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
 - THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
 - VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
 - ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
 - WATER PIPING SHALL BE TYPE "L" COPPER FOR UP TO AND INCLUDING 2" AND SHALL BE TYPE "K" FOR 2 1/2" AND LARGER.
 - SOIL, WASTES AND VENT PIPING SHALL BE PVC #40 DMV. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC, IF APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION, OTHERWISE CAST IRON. PVC SHALL NOT BE INSTALLED IN A/C RETURN AIR PLENUM OR PENETRATE FIRE RATED WALLS OR FLOORS.
 - AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC #40 OR COPPER DRAIN WASTE AND BENT PIPE AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERIOR PIPING. INSTALL ALL CONDENSATE PIPING FOR AIR CONDITIONING UNITS AS REQUIRED PER LOCAL CODES.
 - FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS AT EACH GROUP OF FIXTURES. INSTALLATION OF WATER HAMMER ARRESTORS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE AND INSTALL AN APPROVED WATER HAMMER ARRESTOR AT EACH FIXTURE OR DEVICE THAT HAS A SOLENOID WATER CONTROL VALVE.
 - PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOSAM 58890.
 - INSULATE LINES AS FOLLOWS:
 - 1" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON BOTH C.W. & H.W. WHEN PIPING IS LOCATED OUTSIDE OF THE INSULATED BUILDING ENVELOPE.
 - 1/2" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON HW PIPING & H.W. REIRC. PIPING, ONLY WHEN THERE IS A H.W. RECIRCULATING PIPING SYSTEM.
 - CONDENSATE PIPING: 1/2" THICK ARMAFLEX PREFORMED OR APPROVED EQUAL.

2 MIXING VALVE FOR HAND SINKS AND LAV'S DETAIL
NO SCALE

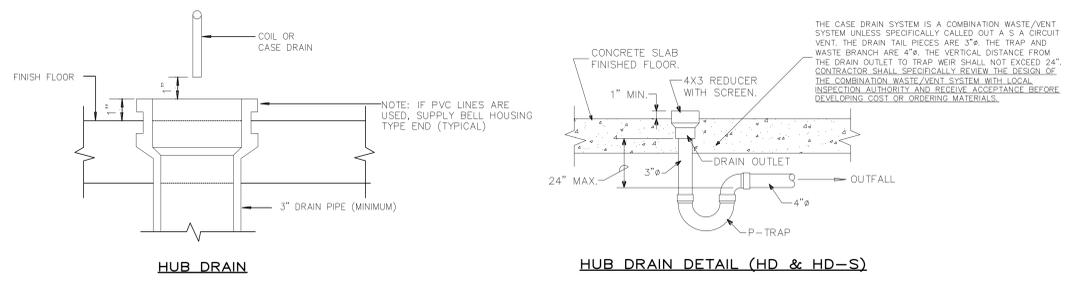


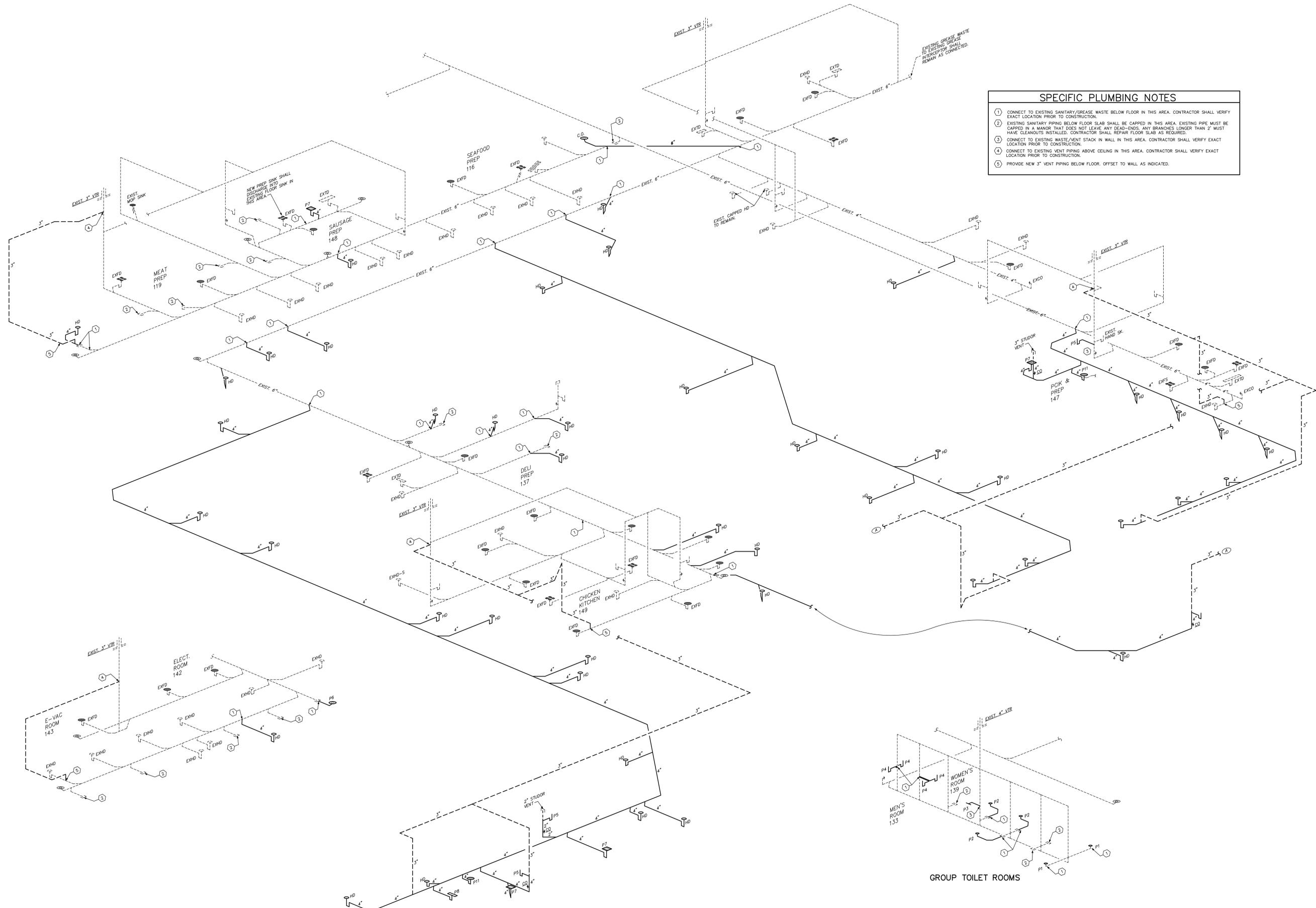
3 TYP. COOLER & FREEZER DRAIN DETAIL
NO SCALE



- NOTES:**
- SLOPE FLOOR FROM INSIDE COOLER WALLS TO FLOOR DRAINS OUTSIDE COOLERS.
 - SEE PLUMBING PLAN FOR NUMBER AND LOCATION OF BLOWER TYPE REFRIGERATION COILS. REFRIGERATION COILS ARE FURNISHED AND INSTALLED BY REFRIGERATION CONTRACTOR. REFRIGERATION CONTRACTOR SHALL MAKE ALL PLUMBING CONNECTIONS.
 - CONDENSATE DRAINS FOR FREEZERS SHALL BE LOCATED OUTSIDE FREEZER.

4 HUB DRAIN DETAILS
NO SCALE





- SPECIFIC PLUMBING NOTES**
- ① CONNECT TO EXISTING SANITARY/GREASE WASTE BELOW FLOOR IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - ② EXISTING SANITARY PIPING BELOW FLOOR SLAB SHALL BE CAPPED IN THIS AREA. EXISTING PIPE MUST BE CAPPED IN A MANNER THAT DOES NOT LEAVE ANY DEAD-ENDS. ANY BRANCHES LONGER THAN 2' MUST HAVE CLEANOUTS INSTALLED. CONTRACTOR SHALL REPAIR FLOOR SLAB AS REQUIRED.
 - ③ CONNECT TO EXISTING WASTE/VENT STACK IN WALL IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - ④ CONNECT TO EXISTING VENT PIPING ABOVE CEILING IN THIS AREA. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
 - ⑤ PROVIDE NEW 3" VENT PIPING BELOW FLOOR. OFFSET TO WALL AS INDICATED.

1 SANITARY ISOMETRICS
NO SCALE