

MAXIMUM DRAINAGE FIXTURE UNITS FOR A TRAP AND TRAP ARM

SIZE OF TRAP AND TRAP ARM (inches)	DRAINAGE FIXTURE UNIT VALUES (DFU)
1/2	1 unit
1/4	3 units
2	4 units
3	6 units
4	8 units

GREASE INTERCEPTOR SIZING CALCULATION - WSSC TABLE 1003 D VOLUME-BASED GREASE INTERCEPTOR SIZING

FLOOR SINKS (DELIBAKERY 3 + MEAT PREP 2) = (5) X 6 DFU = 30 DFUs (TRAP SIZE 3")
MOP SINKS (JANITOR'S ROOM 1 + DELIBAKERY 1) = (2) X 6 DFU = 12 DFUs (TRAP SIZE 3")
FLOOR DRAINS (TRENCH DRAIN) = (7) X 6 DFU = 42 DFUs (TRAP SIZE 3")
TOTAL = 84 DFUs

* GREASE INTERCEPTOR SIZING CALCULATION BASED ON WSSC TABLE 1003 D VOLUME-BASED GREASE INTERCEPTOR SIZING (FROM 2015 UNIFORM PLUMBING CODE / TABLE 1014.3.6)

EXISTING PRE-CAST CONCRETE GREASE INTERCEPTOR CAPACITY IS 1600 GALLON

NOTE

PER THE HEALTH DEPARTMENT, ALL NEW SINKS AND DRAINS NEED AIR GAP OR VACUUM AIR BREAKER TO PREVENT ANY BACK FLOW CONTAMINATION. REFER TO SHEET P6.01 DETAIL 5 FOR MORE INFORMATION.

WASTE AND VENT KEY NOTES

- EXISTING CONDENSATE DRAINS FROM EVAPORATORS TO REMAIN.
- REMOVE EXISTING HUMIDIFIER SYSTEM. CAP ALL ASSOCIATED PLUMBING LINES.
- EXTEND 3" WASTE LINE TO NEW HUB DRAIN. VERIFY LOCATION WITH OWNER PRIOR TO CONSTRUCTION. REPAIR FLOOR TO MATCH EXISTING. SEE DETAIL ON SHEET P6.01.
- EXTEND 3/4" DRAIN FROM NEW MISTING SYSTEM TO THE NEW HUB DRAIN.
- EXTEND 3/4" DRAIN FROM NEW MISTING SYSTEM SOLENOID/MANIFOLD BOX TO EXISTING HUB DRAIN BELOW THE MANIFOLD BOX.
- EXTEND 1/2" CW SOFT COPPER SUPPLY TO NEW MISTING SYSTEM. PROVIDE 3" PPT BALL VALVE AND DOUBLE CHECK VALVE AT CONNECTION OF EXISTING CW SUPPLY. MOUNT TO WALL. COORDINATE EXACT LOCATION WITH CONSTRUCTION SUPERVISOR. DOUBLE CHECK VALVE ASSEMBLY SHALL BE EQUAL TO A WATTS SERIES 007.
- EXTEND 3/4" PEX SUPPLY ABOVE CEILING. PROVIDE SUPPORTS EVERY 24".
- EXTEND 3/4" PEX SUPPLY TO NEW MISTING SYSTEM SOLENOID/MANIFOLD BOX ON TOP OF CASE #A14. SEE NOTE #4 ON P1.01. SEE MISTING SYSTEM ISOMETRIC ON THIS SHEET.
- EXTEND 1/2" CW SUPPLY CONCEALED IN WALL DOWN TO 4" ABOVE CASE FOR CASE WASH-DOWN. PROVIDE 3/4" PPT BALL VALVE AND DOUBLE CHECK VALVE AT CONNECTION OF EXISTING CW SUPPLY. TERMINATE WITH 3/4" PPT BALL VALVE AND QUICK DISCONNECT. COORDINATE EXACT LOCATION WITH CONSTRUCTION SUPERVISOR. DOUBLE CHECK VALVE ASSEMBLY SHALL BE EQUAL TO A WATTS SERIES 007. ALL PIPING AND ACCESSORIES SHALL BE CONCEALED FROM SALES FLOOR.
- INSTALL NEW FLOOR SINK (P-23) UNDER THE RELOCATED 1-COMP. SINK IN DELI & BAKERY PREP AREA AS INDICATED. EXTEND 3" WASTE LINE AND CONNECT TO EXISTING SANITARY LINE. REPAIR FLOOR TO MATCH EXISTING.
- INSTALL NEW 2-COMP. PRODUCE PREP SINK (P-27). EXTEND 1 1/2" INDIRECT DRAIN TO NEW FLOOR SINK. PROVIDE PROPER AIR GAP. SEE DETAIL #5 ON SHEET P6.01. EXTEND 1/2" HW/CW TO NEAREST WATER PIPING. SEE GENERAL NOTE #4. REPAIR WALL TO MATCH EXISTING.
- INSTALL NEW EYE WASH (P-33). EXTEND 1/2" HW/CW TO NEAREST WATER PIPING. SEE DETAIL #7 ON SHEET P6.01.

NOTES:

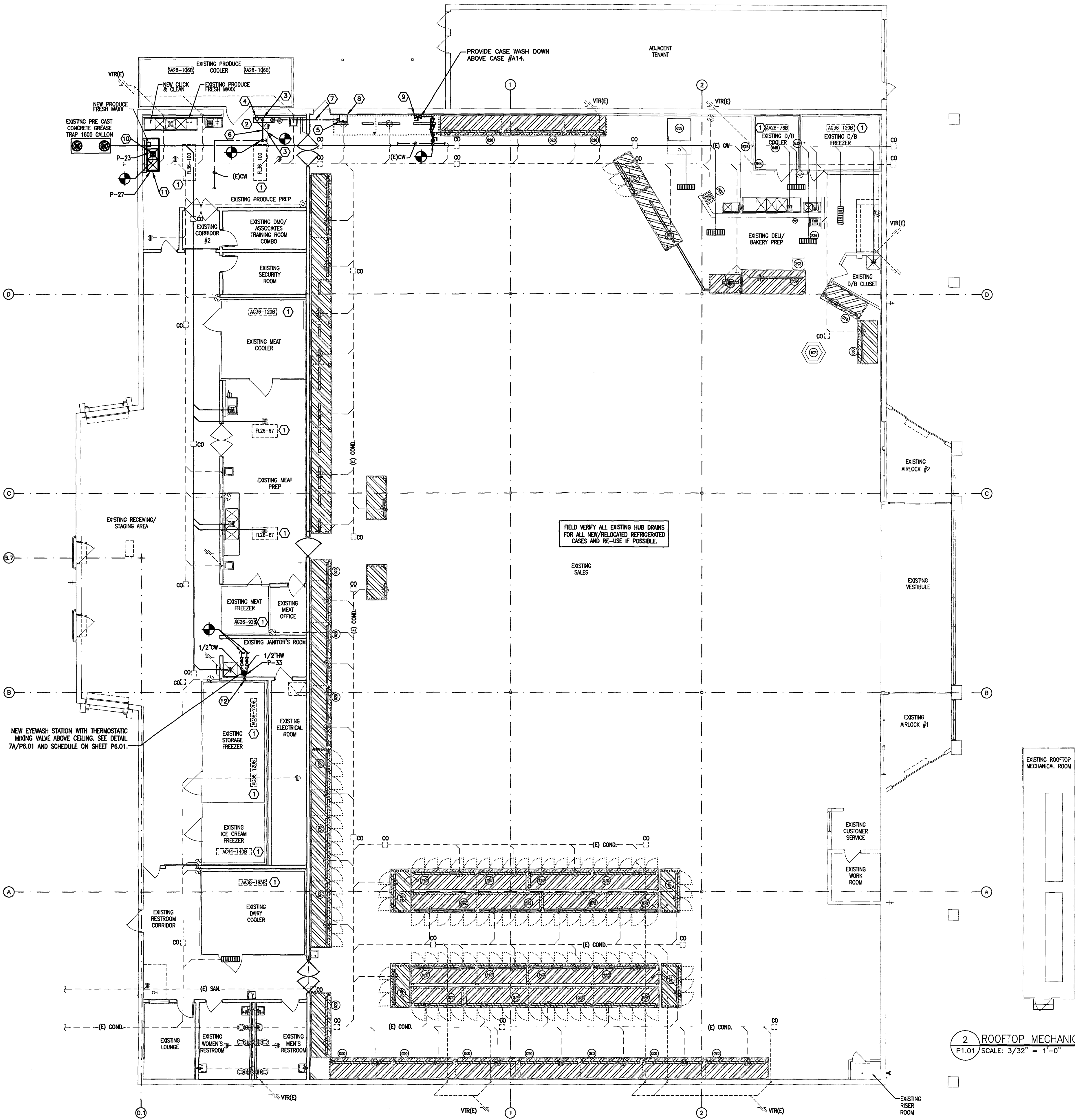
- PRODUCER WILL PROVIDE AND INSTALL ALL EQUIPMENT, CONNECTIONS, & PIPE FITTINGS.
- PRODUCER TO PULL CABLE & 3/4" PEX WATER LINE.
- G.C. TO PROVIDE MOUNTING BOARD, THREE (3) GFI DUPLEX RECEPTACLES, & CABLE CONDUIT.
- SOLENOID/MANIFOLD BOX WILL HAVE DRAIN TO NEAREST HUB BY PRODUCER.
- DO NOT LOCATE MISTING SYSTEM ABOVE SINKS.
- COORDINATE FINAL PROBLEM LAYOUT WITH FOOD LION CONSTRUCTION MANAGER PRIOR TO INSTALL.

PLUMBING LEGEND

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|---------------------------------------|----------------------------|
| NEW CLEAN OUT FLUSH WITH FINISH FLOOR | REFRIGERATION EVAPORATORS |
| EXISTING CLEAN OUT | CONNECT TO EXISTING |
| NEW FLOOR SINK | ABOVE FINISH FLOOR |
| EXISTING FLOOR SINK | EXISTING |
| NEW FLOOR DRAIN | NEW CONDENSATE DRAIN LINES |
| EXISTING FLOOR DRAIN | NEW VENT LINES |
| WALL CLEAN OUT (WCO) | NEW SANITARY SEWER LINES |
| NEW HUB DRAIN WITH 4x3 BELL REDUCER | GREASE WASTE EXISTING |
| EXISTING HUB DRAIN TO REMAIN EXISTING | EXISTING VENT LINE |
| HUB DRAIN TO BE REMOVED | NO DRAIN WORK |
| VENT THROUGH ROOF | |
| EXISTING VENT THROUGH ROOF | |
| EXISTING LINE CAPPED OFF | |
| TRENCH DRAIN | |

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO COMPLY WITH STATE AND LOCAL PLUMBING CODES AND VERIFY THE ACCURACY OF SINKS, DRAINS, AND RELATED ITEMS AND REQUIRED ITEMS INCLUDED, BUT NOT LIMITED TO, GREASE INTERCEPTORS, BACKFLOW PREVENTERS.
- PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL FIXTURES FOR CODE COMPLIANCE SUCH AS GREASE INTERCEPTORS, BACKFLOW PREVENTERS, ETC.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL VISIBLE HUB DRAINS WITH RECESSED "SNAP-IN" HUB SCREENS. NO "SNAP-IN" HUB SCREENS ARE REQUIRED FOR HUB DRAINS UNDER CASES. ORDER DRAIN COVER FROM PLASTIC ODITIES 1-800-438-5327, PART NO. PSI-310
- REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR RUNNING PVC DRAIN LINES FROM DRAINS ON CASES TO THEIR RESPECTIVE HUB DRAINS.
- ALL SANITARY WASTE AND VENT PIPING SHALL BE NO-HUB ASSEMBLY, CAST IRON WITH STAINLESS STEEL BANDS OR PVC - SCHEDULE 40 ASTM-D-2688
- QUALITY CONTROL NOTES:
 - GENERAL CONTRACTOR TO ENSURE:
 - POSITIVE DRAINING IN PREP AREAS, RESTROOMS AND COOLERS.
 - CLEAN OUT COVERS AND TILE FINISHES TO BE FLUSH WITH FINISH FLOOR TILE.
 - NO FLOOR CLEANOUTS SHALL BE LOCATED IN AREAS WITH ACRYLIC RESIN FLOOR WHERE POSSIBLE.
 - SEE SHEET A1.05.
 - SEE SHEET P6.01 FOR HUB DRAIN INSTALLATION DETAILS
- PLUMBING CONTRACTOR SHALL COORDINATE FLOOR DRAIN LOCATIONS WITH GENERAL CONTRACTOR AND SHEET A1.02.
- PLUMBING CONTRACTOR TO VERIFY THAT ALL SANITARY DRAINS AND HUB DRAINS ARE CLEAR OF DEBRIS. HUB DRAINS ARE TO BE TEMPORARILY SEALED WITH PVC PLUG UNTIL A CASE IS INSTALLED OR CONDENSATE IS FLOWING.
- ALL SANITARY TEES SHALL BE COMBINATION TEES.
- DIMENSIONS ARE SHOWN FROM INTERIOR SURFACE OF EXTERIOR BUILDING WALLS OR COLUMN CENTER LINE. UNLESS OTHERWISE INDICATED. DIMENSIONS SHALL BE MAINTAINED WITHIN ONE INCH AS INDICATED ON PLANS.
- PROVIDE 7/8" FLOOR DRAIN - DOMESTIC WATER - FIRE-RESISTANT PRESSURE-ZONE ASSEMBLY SHOWN - PREVENTERS ARE REQUIRED BY DOMESTIC WATER - FIRE-RESISTANT PRESSURE-ZONE ASSEMBLY FLOOR DRAIN - DOUBLE CHECK VALVE ASSEMBLY - TYPE SHOWN - PREVENTER IS ADJUSTABLE.
- HVAC CONDENSATE PIPING SHOWN ON THIS PLUMBING DRAWING FOR ROUTING PURPOSES.
- V.T.R.'S SHALL BE A MINIMUM OF 1'-0" FROM ANY FRESH AIR INTAKE. COORDINATE AS REQUIRED WITH MECHANICAL CONTRACTOR AND MECHANICAL PLAN.
- P-10 SHALL BE USED WHEN BASKET STRAINER IS REQUIRED BY OWNER.
- PLUMBING CONTRACTOR TO CAP OFF EXISTING DRAINS, CLEANOUTS, ETC. AND ABANDONED SEWER LINES THAT CAN NOT BE REUSED. REPAIR FLOOR AS REQUIRED.
- PLUMBING CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING DRAINS AND SANITARY SEWER LINES. PLUMBING CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DELICATE CONSTRUCTION SUPERVISOR.
- WHERE EXISTING CLEANOUTS OCCUR UNDER CASEWORK, RELOCATE AS REQUIRED.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - INSTALLING/RELOCATING HUB DRAINS (4" BELL HUBS ARE REQUIRED WHERE TWO CASES SHARE ONE CONDENSATE HUB IN THE FLOOR FOR EXISTING CASES. 4" BELL HUBS REQUIRED WHERE CASES ARE NEW OR RELOCATED). ALL DISPOSED HUBS SHALL BE 4" BELL TYPE WITH PVC SCREEN INSERTS. NO MORE THAN TWO CASES CAN BE PIPED TO ONE HUB). PLUMBING CONTRACTOR WILL BE REQUIRED TO INSTALL HUBS AS NOTED ON THE PLANS AND SHALL NOT COMBINE HUBS IN AREAS OF NEW WORK.
 - VERIFYING ALL HUB DRAIN PLACEMENTS WITH THE DRAWINGS, CASE MANUFACTURER SPECS, AND THE CONSTRUCTION SUPERVISOR. IF THIS IS NOT DONE, ALL ASSOCIATED COST WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. ALL HUB DRAINS SHALL EXTEND ABOVE FINISHED FLOOR USING A 4" HUB BELL. (SEE HUB DRAIN DETAIL #5 ON SHEET P6.01)
 - HOOKING UP ALL PRODUCE & DAIRY CASE WATER QUICK CONNECTS.
- REFRIGERATION CONTRACTOR TO INSTALL CASE DRAINS. CASE DRAINS TO BE CUT ON A 45° ANGLE WITH AN APPROPRIATE AIR GAP AS INDICATED BY THE LOCAL JURISDICTION. CASE DRAINS SHALL NOT BE VISIBLE OUTSIDE OF THE KICK PLATES. PLUMBING CONTRACTOR TO INSTALL/RELOCATE HUB DRAINS, EVAPORATOR COIL CONDENSATE DRAINS. EACH CASE WILL BE PIPED TO ITS OWN CONDENSATE HUB. THE REFRIGERATION CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING PERMITS & FINAL INSPECTIONS FOR THEIR WORK.
- PLUMBING CONTRACTOR SHALL ADJUST EXISTING FLOOR CLEANOUT COVERS TO BE FLUSH AND LEVEL WITH THE NEW FINISHED FLOOR. SEE BID NOTES FOR QUANTITY. NO STAINLESS STEEL COVER PLATES WILL BE ALLOWED. IF THE EXISTING CLEANOUT COVER IS OF THE ADJUSTABLE TYPE, THE CONTRACTOR SHALL RAISE OR LOWER THE COVER TO MATCH THE NEW FINISHED FLOOR ELEVATION. LEVELING SHALL BE ACCOMPLISHED BY CORE DRILLING OR SAWCUTTING SURFACENT CONCRETE TO ACCESS THE LINE. PLUMB AND LEVEL THE COVER. REPLACE ANY DAMAGED CLEANOUT COVERS. IF THE EXISTING CLEANOUT COVER IS NOT OF THE ADJUSTABLE TYPE, THE CONTRACTOR SHALL CORE DRILL AROUND ROUND CLEANOUT COVERS OR SAWCUT AROUND RECTANGULAR COVERS TO ACCESS THE LINE. REPLACE THE CLEANOUT WITH AN ADJUSTABLE CLEANOUT AS SPECIFIED (SLOUK CHIEF 834-4P4R). VERIFY COMPATIBILITY WITH DRAIN LINES. REPLACEMENT CONCRETE WHERE CONCRETE HAS BEEN REMOVED TO ACCOMPLISH THE WORK SHALL BE MINIMUM 3000 PSI.
- THE REFRIGERATION CONTRACTOR CAN THE DRAINS FROM ADJACENT CASES INTO THE SAME HUB DRAIN ABOVE SLAB. TWO CASE MAXIMUM PER HUB DRAIN.
- PLUMBING CONTRACTOR TO RUN COPPER DRAIN LINE FOR WALK-IN EVAPORATOR COILS.



1 PLUMBING AND DRAIN PLAN
P1.01 SCALE: 3/32" = 1'-0"

2 ROOFTOP MECHANICAL ROOM PLAN
P1.01 SCALE: 3/32" = 1'-0"

3 MISTING SYSTEM DETAIL
P1.01 NOT TO SCALE

