

PLUMBING SYMBOLS DOMESTIC COLD WATER (CW) DOMESTIC HOT WATER (HW) HOT WATER RECIRCULATION (HWR) SANITARY SEWER (SS) —GW—— GREASE WASTE (GW) COMPRESSED AIR (A) -V-- PLUMBING VENT (V) —__T—___ TEPID WATER (T) TEMPERED WATER (110°) -ST--- STORM PIPING (ST) SHUT OFF VALVE (SOV) SHUT OFF VALVE IN RISE RISE AND FALL IN PIPE —O FCO NEW FLOOR CLEANOUT (FCO) —O YCO YARD CLEANOUT EXISTING ITEMS TO BE REMOVED OR RELOCATED (SHOWN HATCHED AND NOTED) FLOOR DRAIN, CASE DRAIN & FUNNEL FLOOR DRAIN (FFD) PREP AREA DRAIN & STOCKROOM FLOOR DRAIN (FD) FOOD SINK DRAIN (FS) TRENCH DRAIN (TD) PLUMBING RISER NUMBER CONNECT TO EXISTING X DETAIL NUMBER XX SHEET NUMBER

ABOVE FINISHED FLOOR BELOW FINISHED FLOOR 3CS THREE-COMPARTMENT SINK COUNTERTOP SINK DEMOLISH AND REMOVE FROM PREMISES ETR EXISTING TO REMAIN EW EYEWASH ELECTRIC WATER COOLER FLOOR DRAIN FLOOR SINK FREEZE PROOF WALL HYDRANT MIXING HOSE BIBB HAND SINK INVERT ELEVATION HOSE BIBB HB MS MOP SINK PREP SINK UR URINAL VENT BELOW FLOOR VENT BELOW GRADE VENT THRU ROOF WATER CLOSET WATER HEATER DENOTES GROCERY AND SNACK BAR EQUIPMENT. REFER TO GROCERY PLUMBING EQUIPMENT CONNECTION SCHEDULE.

CONTRACTOR **RESPONSIBILITY NOTE**

DENOTES TBC EQUIPMENT. REFER TO

ARCHITECTURAL PLANS FOR TBC

EQUIPMENT SCHEDULE.

PLUMBING KEY NOTES.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED AREA. THE FAILURE TO ACQUAINT THEMSELVES WITH THESE DOCUMENTS DOES NOT RELIEVE THEM OF ANY RESPONSIBILITY FOR PERFORMING THEIR WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS INFORMATION.

PLAN SIZE (COPPER)	AQUATHERM HOT WATER	AQUATHERM COLD WATER	PEX	
1/2"	1/2"	1/2"	1/2"	
3/4"	3/4"	3/4"	1"	
1"	1"	1"	1 1/4"	
1 1/4"	1 1/2"	1 1/4"	1 1/2"	
1 1/2"	2"	1 1/2"	2"	
2"	2 1/2"	2"	N/A	
2 1/2"	3"	2 1/2"	N/A	
3"	3 1/2"	3"	N/A	
4"	6"	4"	N/A	
NOTE: REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.				
10.25.13				

	GENERAL NOTES
1.	GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2.	PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS AND READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND EQUIPMENT MANUFACTURER RECOMMENDATIONS.
3.	STORE MUST BE KEPT IN OPERATION. ARRANGE ALL WORK TO KEEP DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE WITH EXISTING AND NEW CONSTRUCTION. COORDINATE ANY DISRUPTIONS WITH CLUB MANAGER AND SAM'S CONSTRUCTION

REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION, REPAIR OR CONSTRUCTION OF PLUMBING RELATED EQUIPMENT.

IF NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (GAS, SEWER, DOMESTIC WATER, FIRE SPRINKLER, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO MAINTAIN THEIR PROPER OPERATION. COORDINATE ANY DISRUPTIONS WITH CLUB MANAGER AND SAM'S CONSTRUCTION MANAGER.

MANAGER. PAY ALL NECESSARY FEES AND

INSTALL VTR'S A MINIMUM OF 24" AND FLUES A MINIMUM OF 36" FROM ROOF EDGE AND/OR PARAPET WALLS. INSTALL VTR'S, FLUES AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE OF ROOF TOP UNITS. INSTALL EXHAUST FANS AND ROOF TOP UNITS A MINIMUM OF 10 FT FROM ROOF EDGE OR A MINIMUM OF 60" FROM PARAPET WALLS THAT ARE AT LEAST 42" HIGH.

PLUMBING VTR PIPES NOTED TO BE DEMOLISHED ON PLAN SHALL BE CUT 6" BELOW BOTTOM OF ROOF DECK. CAP ABANDONED VTR WATERTIGHT ABOVE AND BELOW ROOF. SECURE VENT PIPE FROM STRUCTURE WITH UNISTRUT AND PIPE CLAMP TO PREVENT MOVEMENT. EXISTING PIPE SIZES AND LOCATIONS HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR TO

FIELD VERIFY LOCATION AND SIZES OF ALL EXISTING PIPING THAT IS BEING CONNECTED TO OR MODIFIED, AND TO VERIFY THAT PROPER SLOPES AND ELEVATIONS ARE AVAILABLE. MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT OR SANITARY SEWER PIPING 3" OR LARGER. MAINTAIN MINIMUM SLOPE OF 1/4" PER FOOT FOR SANITARY SEWER PIPING SMALLER THAN 3". REF ARCH. FOR TRENCHING REQUIREMENTS.

VERIFY EXISTING SEWER AND VENT PIPE SIZE, ELEVATION, AND PROPER SLOPES ARE AVAILABLE BEFORE CUTTING FLOOR SLAB FOR NEW SEWER PIPING FOR FLOOR SLABS NOT SHOWN TO BE REMOVED ON THE DEMOLITION PROVIDE ACCESS DOORS TO ALL

INACCESSIBLE WATER VALVES AND CLEANOUTS. PLUMBING CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY FOR PROPER SEWER SYSTEM OPERATION.

(DRAIN, WASTE AND VENT) SHALL BE PVC-DWV PLASTIC SCHEDULE 40. WHERE REQUIRED BY LOCAL CODES, CAST IRON, COATED INSIDE AND OUTSIDE SHALL BE USED. REFER TO SPECIFICATIONS. PROVIDE AUTOMATIC TRAP PRIMERS ON FLOOR DRAINS IF REQUIRED BY LOCAL PLUMBING CODES.

SANITARY DRAINAGE LINES AND FITTINGS

4. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FLOOR FINISH MATERIAL OR FLUSH WITH CONCRETE SLAB IF NO FLOOR FINISH MATERIAL IS CALLED OUT FOR ON ARCHITECTURAL DRAWINGS. LOCATE ALL FLOOR CLEANOUTS OUT OF TRAFFIC WAYS WHILE MAINTAINING

ACCESSIBILITY. LOCATE PER DIMENSIONS IF SHOWN ON PLANS. 16. FLOOR CUTS SHALL BE STRAIGHT AND CLEAN, REPLACE REMOVED SLAB WITH CONCRETE FLUSH AND SMOOTH WITH ADJACENT FLOOR SLAB. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL

CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE. 18. CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION. DO NOT INSTALL PIPING WITHIN COOLER

CAP ALL PIPING OPENINGS DURING

PANELS. INSTALL EXPOSED PIPING IN PREP AREAS A MINIMUM OF 1" FROM PANEL WALL AND 6" ABOVE FINISHED FLOOR TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS PROVIDE ESCUTCHEON PLATES FOR PLUMBING PENETRATIONS THROUGH GROCERY CEILINGS

AND WALLS.

PENETRATIONS THROUGH COOLER/FREEZER WALLS AND CEILINGS. FINISH WITH ESCUTCHEON PLATE. PROVIDE HEAT TAPE AND INSULATION ON ALL

PROVIDE AIR TIGHT SEAL AROUND PIPING

WATER AND DRAIN PIPING EXPOSED TO

INSTALL CONTINUOUS SEALANT JOINT AT ALL

EXTERIOR WALL PENETRATIONS. PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC DESIGN CATEGORY REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.

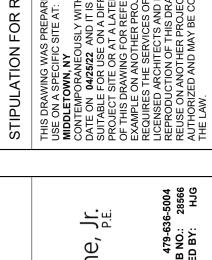
EXISTING CONDITIONS ARE BASED UPON PREVIOUS CONSTRUCTION DRAWINGS AND/OR SITE VISIT AND MAY NOT REFLECT EXACT "AS BUILT" CONDITIONS. VERIFY EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO FINAL BID. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS AS REQUIRED.

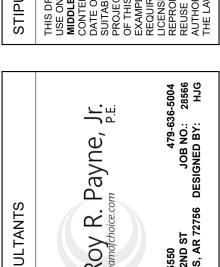
BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

INSTALL CENTERLINE OF GROCERY AREA UTILITY WALL PENETRATIONS AND WALL CLEANOUTS AT 12" AFF MINIMUM.

REFER TO RISER DIAGRAMS AND PLUMBING FIXTURE SCHEDULES FOR ALL PIPING AND PIPE SIZES NOT SHOWN ON PLAN. RISER DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT REFLECT EVERY OFFSET, RISER OR UNION. PIPE FITTINGS AND UNIONS, IF SHOWN ON THE RISER, SHALL NOT BE USED FOR TAKE-OFF OR ESTIMATING PURPOSES.

ALL UNISTRUT, UNISTRUT CLAMPS AND FITTINGS SHALL BE HOT-DIPPED GALVANIZED.







ISSUE BLOCK No. Desc.

CHECKED BY:		LPC
DRA	WN BY:	HJG

This document originally issued and Roy R. Payne, Jr., P.E. #083724 on 04/22/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION

DOCUMENT DATE: 04/25/22

PROTO CYCLE:

PLUMBING PLANS AND **RISERS**

SHEET:

GENERAL INFORMATION (ALL EQUIPMENT): 1. EQUIPMENT AND TRIM FURNISHED BY OWNER. ROUGH-IN AND FINAL CONNECTIONS BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.

NOTES: A. PROVIDE SHUT-OFF VALVES.

B. PROVIDE P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON. C. PROVIDE CHROME PLATED WHEEL HANDLE ANGLE STOPS WITH ESCUTCHEON AND FLEXIBLE RISER.

P. FILTERÉD/CARBONATED WATER PIPING TO EQUIPMENT IS FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT.

D. SINK FAUCETS PROVIDED WITH INTEGRAL CHECK VALVES.

RD024 FURNISHED WITH SEPARATOR. REFER TO ROTISSERIE PIPING DETAIL.

E. PROVIDE FULL-SIZE DRAIN LINE FROM EQUIPMENT. END OPEN OVER RECEPTOR WITH 2" AIR GAP. F. IF PLUMBING PLAN SHOWS THE 3-COMPARTMENT SINK INDIRECTLY CONNECTED TO FLOOR SINK OR HUB DRAIN, THEN WASTE ROUGH-IN HEIGHT AND VENT SIZE DO

G. PROVIDE BACKFLOW PREVENTER ON WATER SUPPLY PER LOCAL CODE REQUIREMENTS. H. PROVIDE STAINLESS STEEL BACKFLOW PREVENTER ON WATER LINE SERVING CARBONATOR PER LOCAL CODE REQUIREMENTS. PROVIDE PEX TUBING (NOT COPPER OR BRASS PIPING) ON DOWNSTREAM SIDE OF CARBONATOR BACKFLOW PREVENTER. INSTALL THERMOSTATIC MIXING VALVE FURNISHED WITH SINK WITH HARD-PIPED CONNECTIONS TO ANGLE STOPS AND FLEXIBLE CONNECTIONS BETWEEN THERMOSTATIC MIXING VALVE, PEDAL AND SINK. SET AT 105°F.

INSTALL FLEXIBLE GAS AND WATER CONNECTIONS AND QUICK-DISCONNECTS FURNISHED WITH OVEN. K. ROUTE 1 1/2" OVEN DRAIN LINE TO OWNER-FURNISHED AUTO GREASE SEPARATOR, ROUTE 1" AUTO-CLEAN DISCHARGE TO FLOOR SINK. ROUTE OVEN DRAINS TO

ROUTE RD024 OVERFLOW TO FLOOR SINK WITH AIR GAP. ROUTE GREASE SEPARATOR DRAIN TO FLOOR SINK WITH AIR GAP. REFER TO ROTISSERIE PIPING DETAIL. M. INSTALL 1.2 GPM SPRAY HEAD ON PRE-RINSE SPRAYER FURNISHED BY FIXTURE MANUFACTURER. PLUMBING CONTRACTOR SHALL PROVIDE OWNER WITH ORIGINAL

SPRAY HEAD. N. ATTACH SINK TO WALL WITH CONTRACTOR-PROVIDED STAINLESS STEEL SLOTTED ROUND HEAD FASTENERS OR SHEET METAL SCREWS INSTALLED THROUGH HOLES DRILLED BY CONTRACTOR THROUGH TOP FLANGE OF SINK BACKSPLASH. FOR FRAMED WALLS, USE TWO EVENLY SPACED FASTENERS FOR PREP SINKS AND THREE EVENLY SPACED FASTENERS FOR 3-COMPARTMENT SINKS AND CONNECT TO WALL STUDS. FOR SINKS INSTALLED ON COOLER PANEL WALLS, ATTACH SINKS TO COOLER PANEL OUTER SHEET METAL WITH SCREWS AT 12 "CENTERS ALONG BACKSPLASH.

D. REFER TO ARCHITECTURAL DRAWINGS FOR HAND SINK LEFT (L) AND RIGHT (R) DESIGNATIONS WHICH INDICATE INTEGRAL SPLASHGUARD LOCATIONS OR HAND

10.25.13

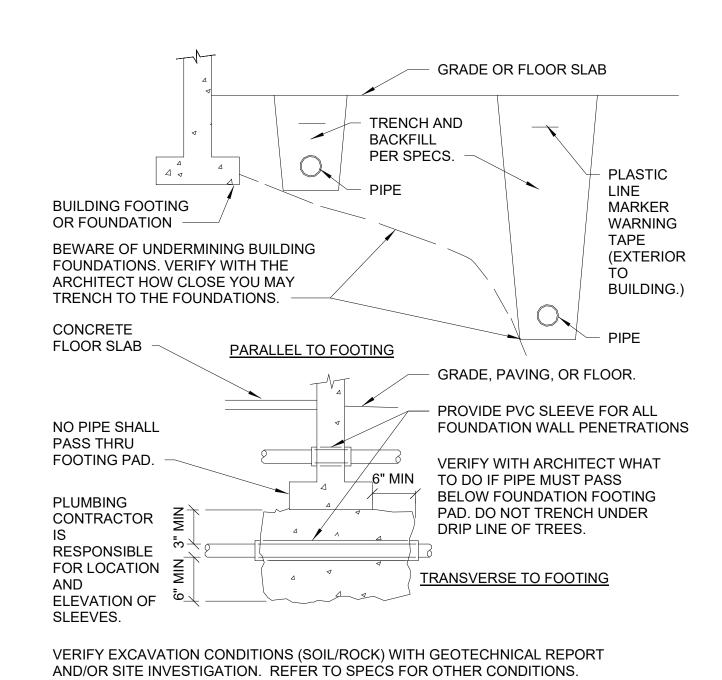
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBE
CLEANOUTS			
CO1/WCO1	POLYPROPYLENE COMPACT TEST TEE WITH THREADED, COUNTERSUNK CLEANOUT PLUG. (PROVIDE DRILLED TAP FOR CENTER SCREW AND STAINLESS STEEL COVER IF CONCEALED BY WALL (WCO1))	PLASTIC TRENDS CHARLOTTE	D128 SERIES 445-X
FCO1	CAST IRON OR PVC BODY, ROUND EXTRA HEAVY-DUTY CAST OR DUCTILE IRON TOP, POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS OATEY	Z1400 852 C1100 4231 55000 CO-200-RX-4 74000
LOOR AND R	OOF DRAINS		
FD3	LIGHT DUTY PVC WITH 9" DIAMETER LOOSE SET PVC HALF GRATE.	SIOUX CHIEF JOSAM	860 FD-370
FS1	LIGHT DUTY, ACID RESISTANT, WHITE PVC FLOOR SINK WITH 12" SQUARE WHITE PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE. REF PLANS FOR LOCATIONS WHERE FULL GRATES ARE SPECIFIED. OMIT DEBRIS BUCKET FOR REFRIGERATED CASE APPLICATIONS.	SIOUX CHIEF ZURN JOSAM	861 FD23070-YS FS-940-80

GENERAL INFORMATION (AS APPLICABLE): 1. ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS. 2. REFER TO PLANS FOR DRAIN OUTLET SIZE. 3. LOAD CLASSIFICATIONS: LIGHT DUTY <2000 LBS, MEDIUM DUTY 2000 TO 4999 LBS, HEAVY DUTY 5000 TO 7499 LBS, EXTRA HEAVY DUTY 7500 TO 9999 LBS. 04.29.16

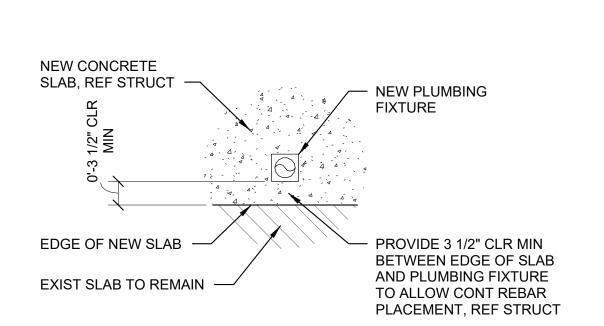
MARK	FIXTURE	FIXTURE DESCRIPTION			
	MANUFACTURER/CATALOG NUMBER				
WHA	WATER HAMMER ARRESTOR	LEAD FREE, CONFORM TO PDI WH-201, ANSI A112.26	6.1M, ASSE 1010.		
	JOSAM SERIES 75000	PRECISION PLUMBING PRODUCTS SS #316 SERIES	WATTS SS SERIES	WILKINS MODEL 1250XL SERIE	
	JAY R. SMITH HYDROTROLS	SIOUX CHIEF HYDRA-RESTER	MIFAB MWH		
	VALVES (DO NOT USE FOR GAS)	LEAD FREE, FULL PORT BRASS BALL VALVE WITH PI	LASTIC JACKETED LEVER TYPE HAN	NDLE.	
İ	RED-WHITE 5044AB OR 5049AB	APOLLO SERIES 70LF CRANE LF9210 SERIE	S WATTS LF-FBV-3C OR FI	BVS-3C NIBCO FP-600-A-LF	
GAS VALVES QUARTER TURN BALL VALVE, UL LISTED FOR NATURAL GAS SERVICE OR LP GAS SERVICE ENDS, BRONZE BODY, CHROME PLATED BRASS BALL, TEFLON OR "TFE" SEATS AND SEA ADJUSTABLE PACKING GLAND, VINYL COVERED STEEL HANDLE.					
	CONBRACO (APOLLO)	NIBCO T-585-70-UL SERIES (1/2" - 1")	WATTS B6000-UL SERIE	S (1/4" - 4")	
	80-100 SERIES (1/4" - 3")	T-580-70-UL SERIES (1 1/4" - 3")			
	DOUBLE-CHECK VALVE	LEAD FREE, INCLUDE TWO INDEPENDENT-ACTING C	HECK VALVES, TWO SHUT-OFF VAI	VES, AND	
	BACKFLOW PREVENTER	REQUIRED MEANS FOR TESTING FOR EACH ASSEM	BLY. MINIMUM 175 PSI WORKING PF	RESSURE.	
Ì	WATTS LF007QT OR LF709	FEBCO LF850 WILKINS 350XL OR 9	50XLT2		
	REDUCED PRESSURE	LEAD FREE, PROVIDE STRAINER, SHUT-OFF VALVES	AND TEST COCKS: INSTALL DRAIN	LINE WITH AIR GAP ASSEMBLY TO	
	BACKFLOW PREVENTER	RECEPTOR APPROVED BY AUTHORITY HAVING JUR	ISDICTION. MINIMUM 175 PSI WORK	ING PRESSURE.	
Ī	WATTS LF009QT OR LF909	FEBCO LF860 WILKINS 375XL OR 9	75XL		
	TRAP PRIMER	LEAD FREE, PROVIDE ALL BRONZE PRIMER VALVE V		TS, INTEGRAL	
	(SINGLE TRAP)	VACUUM BREAKER, AND GASKETED ACCESS COVE	₹.		
İ	PRECISION PLUMBING PRODUCTS PRIME	-RITE OR OREGON #1 SIOUX CHIEF 695			
	TRAP PRIMER	LEAD FREE, PROVIDE ALL BRONZE PRIMER VALVE V		·	
ŀ	(MULTIPLE TRAPS)	INTEGRAL VACUUM BREAKER, GASKETED ACCESS			
	PRECISION PLUMBING PRODUCTS PRIME		JOSAM 88300	SIOUX CHIEF SERIES 695	
	VACUUM RELIEF VALVE	LEAD FREE, BRASS BODY. CSA/ANSI Z21.22			
•	WATTS LFN36-M1				
WPG	WATER PRESSURE GAUGE	2.5 INCH STAINLESS STEEL CASE, ALL WETTED PAR 1.6% ACCURACY, 30" HG VAC TO 100 PSI RANGE.	TS STAINLESS STEEL, LIQUID FILLE	D, 1/4 INCH NPT CONNECTIOR	
	AMETEK 656	WEISS INSTRUMENTS LF252		TRERICE D83LFSS2502BA050	

REF ARCH - CONC SLAB, REF STRUCT REF STRUCT FOR REINFORCING **EXISTING** CONCRETE REMOVE, REPLACE, AND RECOMPACT SUBGRADE MATERIAL TO A DEPTH 6" MIN REQUIRED FOR PIPE PLACEMENT, REF STRUCT FOR COMPACTION REQUIREMENTS -SAND CUSHION -



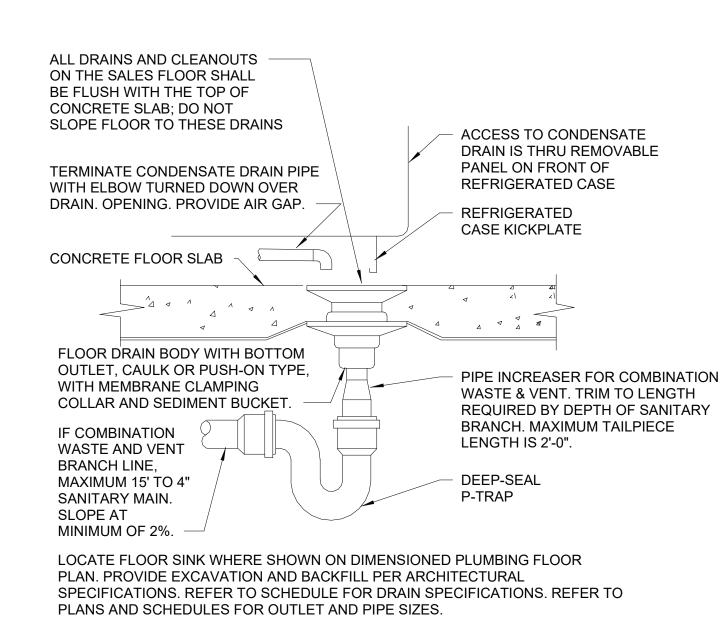


9 PIPE AND TRENCH LOCATION
NTS



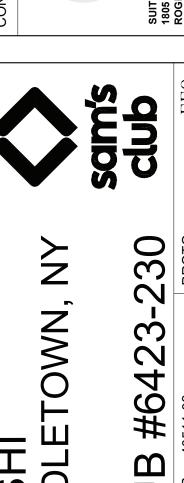
04.29.16

PLUMBING FIXTURE 2 AT EDGE OF SLAB



REFRIGERATED CASE DRAIN





ISSLIE	BLOCK	
No.	Desc.	Date

CHECKED BY:	LPC
DRAWN BY:	HJG
PROTO CYCLE:	01/07/22
DOCUMENT DATE:	04/25/22

This document originally issued and sealed by Roy R. Payne, Jr., P.E. #083724 on 04/22/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION

PLUMBING DETAILS AND SCHEDULES

SHEET: