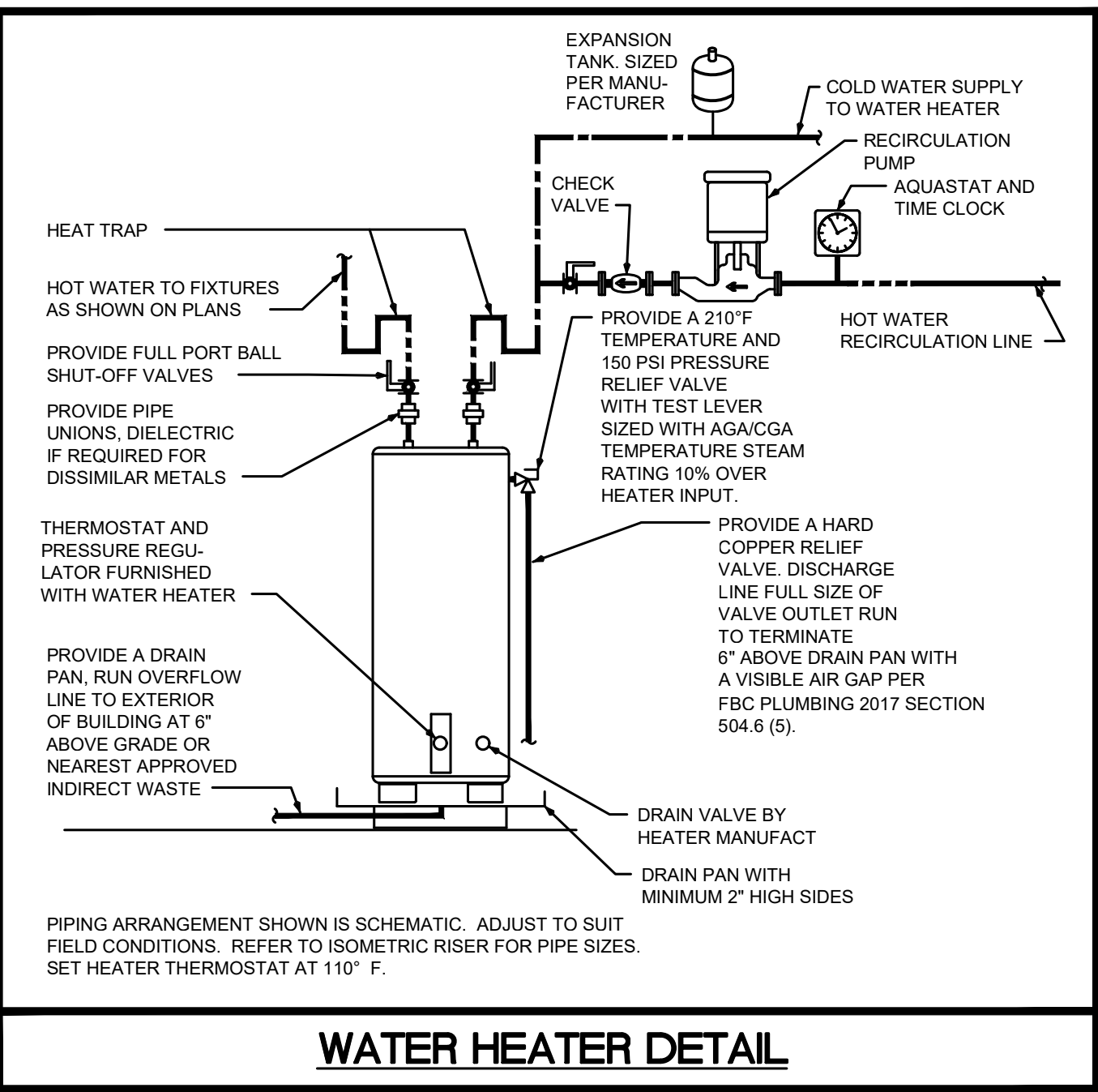
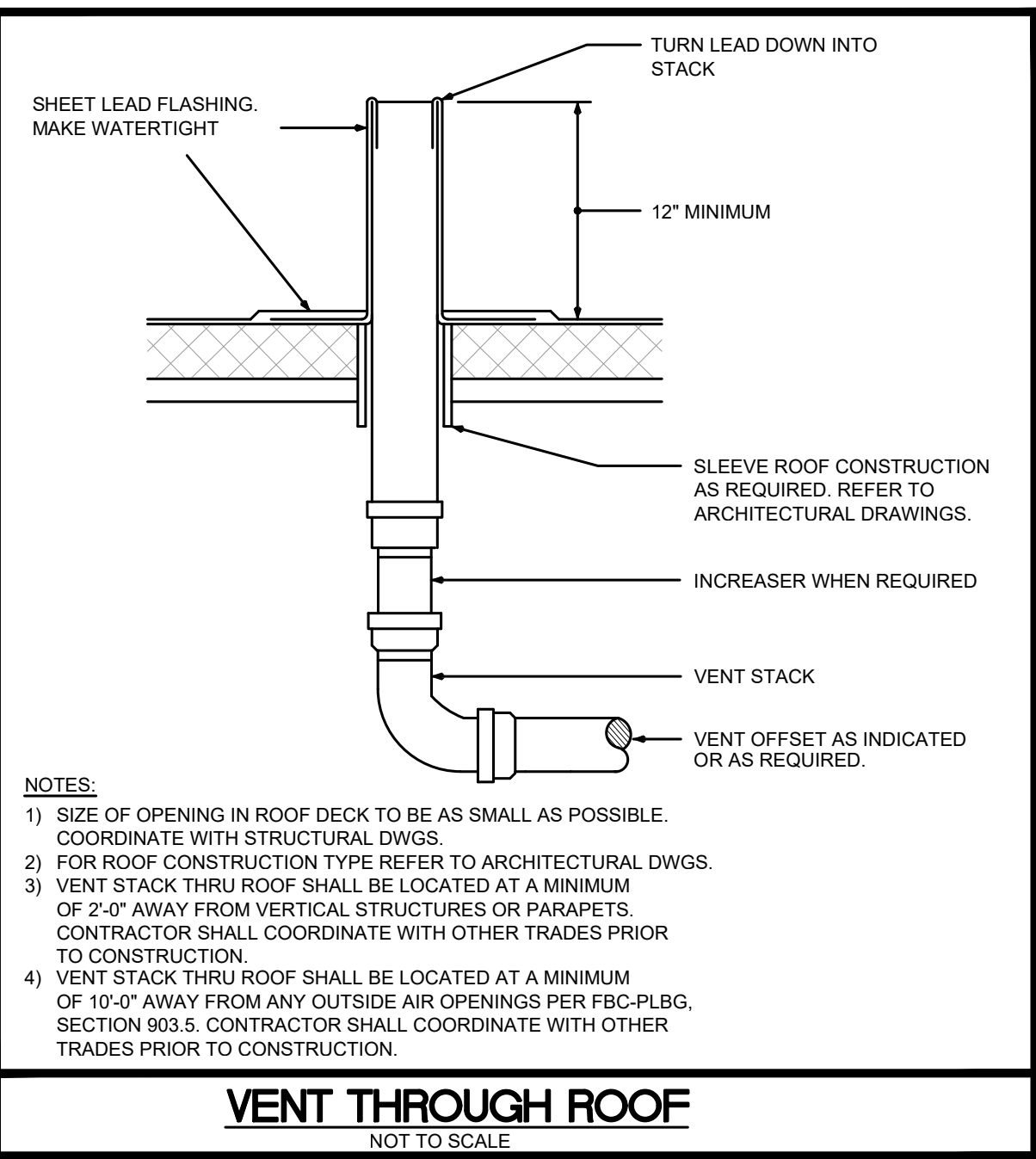
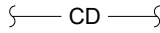
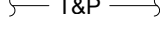
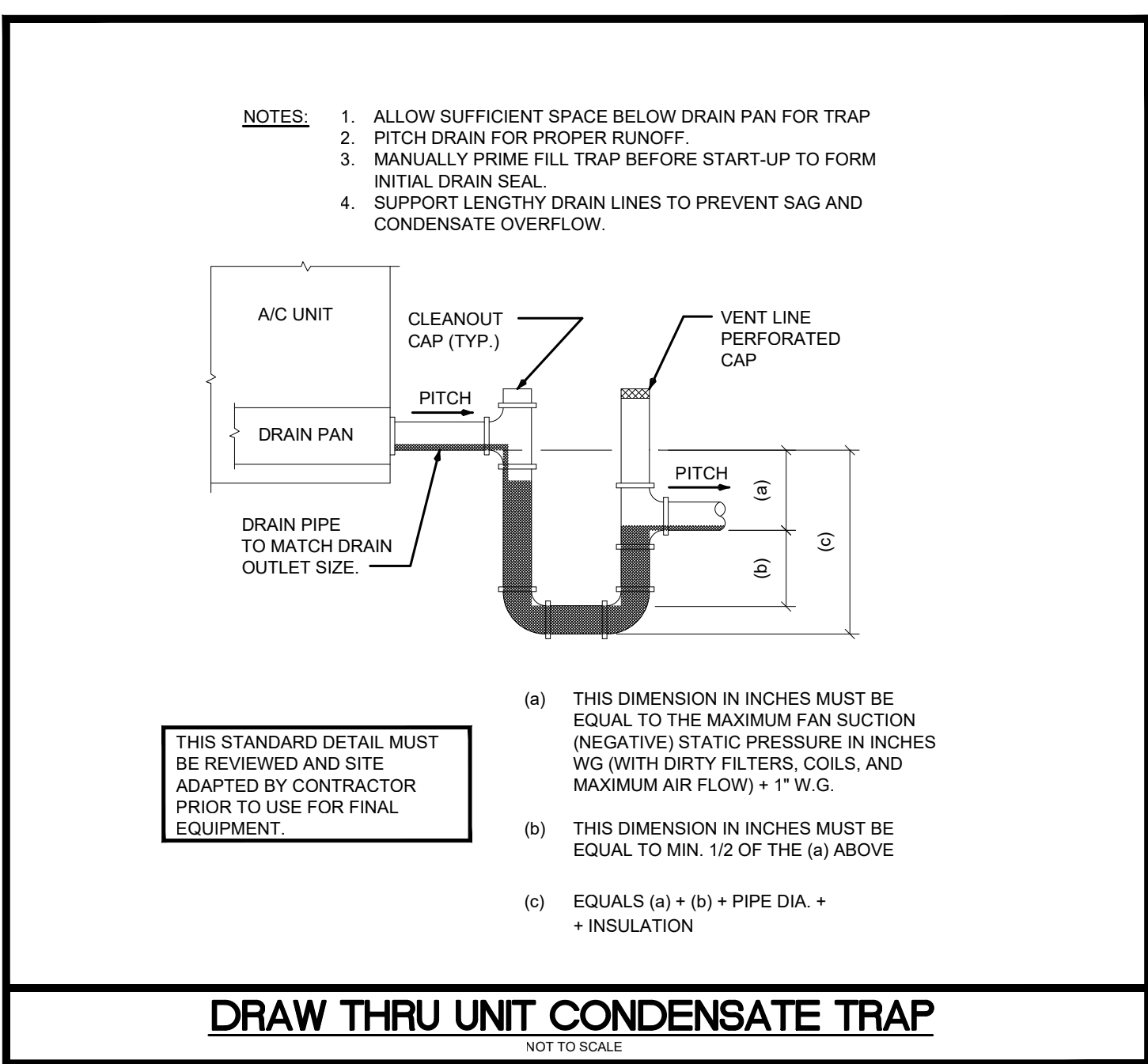


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PLUMBING FIXTURE SCHEDULE	
LAV	LAVATORY, SELECTED BY OWNER, PROVIDED AND INSTALLED BY CONTRACTOR
WC	WATER CLOSET, SELECTED BY OWNER, PROVIDED AND INSTALLED BY CONTRACTOR
SH	SHOWER, SELECTED BY OWNER, PROVIDED AND INSTALLED BY CONTRACTOR
TUB	TUB, SELECTED BY OWNER, PROVIDED AND INSTALLED BY CONTRACTOR
SK#	SINK, SELECTED BY OWNER, PROVIDED AND INSTALLED BY CONTRACTOR
OB1	WASHING MACHINE OUTLET BOX, GUY GRAY MODEL #B200 WITH LEAD-FREE QUARTER-TURN VALVES, INTEGRAL WATER-HAMMER ARRESTORS, AND 2" DRAIN CONNECTION.
WCO	WALL CLEANOUT, MIFAB C1430-RD WITH BRONZE PLUG, STAINLESS STEEL COVER, AND SCREW.
A.A.V.	OATEY MODEL #39010 SUREVENT AAV WALL BOX AND METAL GRILLE FACEPLATE
EW#1	ELECTRIC WATER HEATER, BRADFORD WHITE MODEL #R2H50T10, 50 GAL., 240V/1PH/4.5KW, SET UNIT ON A STAND AND PROVIDE WITH RECIRCULATION PUMP - BELL & GOSSETT MODEL #PL-30B AND THERMAL EXPANSION TANK - AMTROL MODEL #ST-12.
WCO	WALL CLEANOUT, MIFAB C1430-RD WITH BRONZE PLUG, STAINLESS STEEL COVER, AND SCREW.
GENERAL NOTES: (1) - FIXTURES SHALL BE AS SHOWN OR EQUAL. (2) - ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF FBC 2014. (3) - ALL FIXTURE TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE. (4) - ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY.	

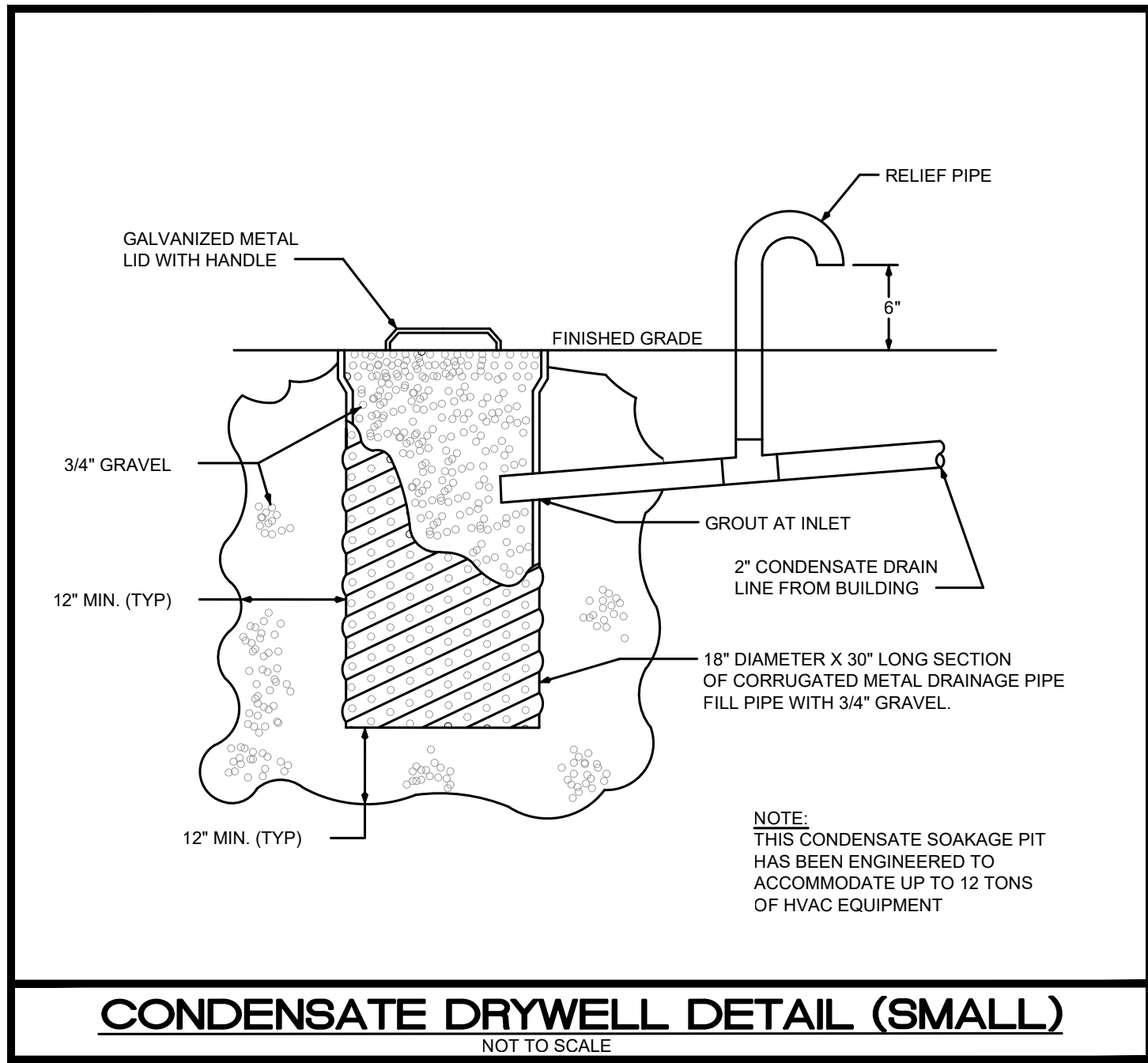
PLUMBING LEGEND			
CO	CLEAN OUT		SANITARY SEWER PIPING
S.O.V.	SHUT-OFF VALVE		VENT PIPING
COTC	CLEAN OUT TO GRADE		DOMESTIC COLD WATER PIPING
FD	FLOOR DRAIN		HOT WATER PIPING (110°)
CW	DOMESTIC COLD WATER		CONDENSATE PIPING
HW	DOMESTIC HOT WATER		TEMPERATURE AND PRESSURE RELIEF
HWR	DOMESTIC HOT WATER RECIRCULATING		PIPE RISE UP
HB	HOSE BIBB		PIPE DOWN OR DROP
VTR	VENT THRU ROOF		CAPPED END OF PIPE
	GATE VALVE		POINT OF CONNECTION
	GLOBE VALVE		P-TRAP
	CHECK VALVE		
	WATER HAMMER ARRESTER (PDI No.)		
	FLOOR DRAIN		



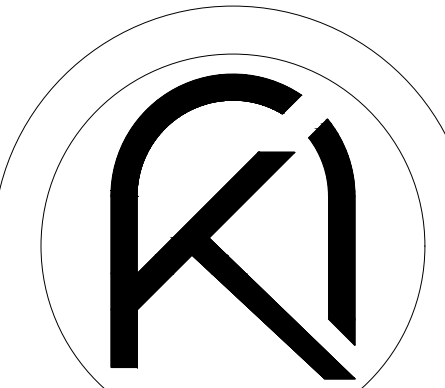
CONDENSATE DRAIN PIPE SIZING	
EQUIPMENT CAPABILITY	MINIMUM CONDENSATE PIPE DIAMETER (inch)
UP TO 20 TONS OF REFRIGERATION	1"
OVER 21 TONS TO 40 TONS OF REFRIGERATION	1-1/4"
OVER 41 TONS TO 60 TONS OF REFRIGERATION	1-1/2"
OVER 61 TONS TO 100 TONS OF REFRIGERATION	2"
OVER 101 TONS TO 250 TONS OF REFRIGERATION	3"
OVER 251 TONS & LARGER OF REFRIGERATION	4"
TABLE 307.2.2 OF THE 2017 FLORIDA BUILDING CODE-MECHANICAL	

PLUMBING SHEET INDEX	
SHEET#	DESCRIPTION
P1	PLUMBING NOTES, LEGENDS, AND DETAILS
P2	EXISTING PLUMBING PLAN
P3	SANITARY PLAN
P4	DOMESTIC WATER PLAN
P5	SANITARY ISOMETRICS AND CALCULATIONS

PLUMBING NOTES	
1.	THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SCOPE OF WORK. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, APPLICABLE LOCAL CODES, RULES, AND ORDINANCES.
2.	THE PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS.
3.	ALL MATERIALS SHALL BE NEW AND OF GOOD QUALITY.
4.	ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY-OPERATIONAL. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
5.	REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
6.	PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTS. PLUMBING CONTRACTOR SHALL OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
7.	CONTRACTOR SHALL SUBMIT TO ARCHITECT/ENGINEER, FOR REVIEW & APPROVAL, FIVE (5) SETS OF MANUFACTURER'S CUT SHEETS FOR EACH FIXTURE, PIPING/FITTING MATERIAL AND EQUIPMENT ITEM WITH ASSOCIATED CONTROLS, THAT ARE INCLUDED IN THE CONTRACT.
8.	DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
9.	ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ARCHITECT/ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
10.	VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERT ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
11.	WATER DISTRIBUTION PIPING ABOVE AND BELOW GROUND SHALL BE TYPE "L" COPPER. ALTERNATE PIPING & FITTING MATERIALS MAY BE USED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, TABLE 605.3, 605.4 & 605.5, WHEN APPROVED BY ENGINEER OF RECORD AND LOCAL AUTHORITY HAVING JURISDICTION. PROVIDE ALTERNATE FOR CPVC PIPING & FITTINGS EQUAL TO LUBRIZOL CORZAN OR FLOW-GUARD GOLD. PROVIDE ALTERNATE FOR PEX TYPE "A" PIPING & FITTINGS EQUAL TO UPONOR. ALTERNATES ARE PERTINENT FOR WATER SERVICES KNOWN OR DETERMINED TO HAVE ACIDIC CHARACTERISTICS OR OTHER PARTICULAR CIRCUMSTANCES AS DEEMED APPROPRIATE BY DIRECTIVE FROM THE OWNER. CONTRACTOR SHALL PERFORM A WATER TEST TO DETERMINE WATER CHEMISTRY PRIOR TO ANY WORK OR PIPING INSTALLATION AND SHALL SUBMIT TEST RESULTS TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. DISINFECTION OF POTABLE WATER SYSTEM SHALL COMPLY WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, SECTION 610. ALL WATER PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES OF AMERICA.
12.	SOIL, WASTE, VENT, AND RAINWATER (DWV) PIPING & FITTINGS SHALL BE CAST IRON OR PVC, WHERE CODE ALLOWS. PVC SHALL NOT BE USED IN PLENUMS. PVC PIPING SHALL BE SOLID-CORE ONLY. FOAM-CORE PIPING SHALL NOT BE ACCEPTED. CAST IRON PIPING & FITTINGS SHALL BEAR THE CISPI-301 MARK. ALL DWV PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES OF AMERICA. ALL HORIZONTAL SANITARY PIPING RUN ABOVE FINISHED FLOOR THAT RECEIVES COLD DRAINAGE FROM REFRIGERATION EQUIPMENT SHALL BE INSULATED WITH ARMAFLEX AND A VAPOR-BARRIER JACKET.
13.	NATURAL & PROPANE FUEL GAS PIPING SHALL BE THE FOLLOWING: UNDERGROUND - PE PIPE COMPLYING WITH ASTM D2883 OR ASTM D3261 AND ASTM D2513, SDR 11 TRANSITION FITTINGS. ABOVEGROUND - SCHEDULE 40 BLACK STEEL COMPLYING WITH ASTM A53 AND THREADED, WELDED, OR FLANGED FITTINGS. CORRUGATED STAINLESS STEEL TUBING COMPLYING WITH ANSI/AS LCI SHALL BE ALLOWED ONLY WITHIN INTERIOR ACCESSIBLE SPACES.
14.	COMPRESSED AIR PIPING SHALL BE ASTM B241 EXTRUDED ALUMINUM ALLOY COMPLIANT WITH ASME B31.1 OR GALVANIZED BLACK STEEL IN ACCORDANCE WITH DIN EN 10255. ALUMINUM PIPING AND MECHANICAL GROOVED-JOINT FITTINGS SHALL BE AIRNET, TRANSAIR, OR APPROVED EQUAL. STEEL PIPING AND MECHANICAL GROOVED-JOINT FITTINGS SHALL BE WIEGA MEGAPRESS OR APPROVED EQUAL.
15.	ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE ANGLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS (WHERE REQUIRED). COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
16.	PROVIDE APPROVED WATER HAMMER ARRESTORS FOR ALL (GROUP) PLUMBING FIXTURES, SIZED & LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS & PDI-WH201.
17.	PROVIDE DIELECTRIC COUPLINGS OR FLANGES BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
18.	ISOLATE COPPER PIPING FROM METALLIC HANGERS OR SUPPORTS WITH ISOLATOR PADS OR NON-CONDUCTIVE MATERIAL.
19.	ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING ANNULAR SPACE BETWEEN PIPING AND SLEEVES WITH INTUMESCENT CAULK, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS, AS PART OF THE PLUMBING CONTRACTOR'S WORK.
20.	PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. 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.
21.	PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES. ACCESS PANELS IN RATED WALLS SHALL MAINTAIN THE SAME RATING AND SHALL MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
22.	PROVIDE COMBINATION CLEANOUT PLUG AND COVER PLATE OR ACCESS PANEL FOR ALL WALL CLEANOUTS. FINISH TO MATCH NEARBY FIXTURE TRIM.
23.	NO COMBUSTIBLE MATERIAL SHALL BE INSTALLED IN MECHANICAL ROOMS NOR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
24.	NO WATER, SANITARY OR DRAINAGE PIPING SHALL BE INSTALLED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
25.	ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE FURNISHED FOR OWNER/OPERATOR.
26.	CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET PER FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.8. PVC WITHOUT INSULATION IS ACCEPTABLE FOR RISERS AND BELOW GRADE PIPING. WHEN USED IN A RETURN AIR PLENUM, CPVC PIPING WITH INSULATION IS ACCEPTABLE IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. CONDENSATE PIPING SHALL NOT DRAIN ONTO THE ROOFING SYSTEM NOR ANY OF ITS COMPONENTS. CONDENSATE PIPING ARRANGEMENT IS EXEMPT FROM MINIMUM EQUIPMENT CLEARANCE REQUIREMENTS PER FLORIDA BUILDING CODE 7th EDITION (2020), SECTION 1522.3.5. ALL HORIZONTAL RAINWATER PIPING RUN ABOVE FINISHED FLOOR THAT RECEIVES CONDENSATE DISCHARGE SHALL BE INSULATED WITH ARMAFLEX AND A VAPOR-BARRIER JACKET.
27.	HOT WATER PIPING INSULATION SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, SECTION 607.5 & FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.10. CONTRACTOR SHALL USE ARMAFLEX OR EQUAL WHERE APPLICABLE. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET, PER FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.10.
28.	AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF WHERE ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.



SHOCK ARRESTOR SCHEDULE			
P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652-A	1-11	1/2"
B	SIOUX CHIEF 653-B	12-32	3/4"
C	SIOUX CHIEF 654-C	33-60	1"
SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.			
SLOPE OF HORIZ. DRAINAGE PIPE			
SIZE (inches)		MINIMUM SLOPE (inch per foot)	
2-1/2 or less		1/4	
3 to 6		1/8	
8 or larger		1/16	
TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2017			



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MAZZINI & MELINE
RESIDENCE

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Eduardo J. Betancourt
Santiago
Date: 2023.08.24
16:08:24 -04'00'



DRAWN BY
DATE -- PROJECT
04.03.23 CHECKED BY 22-84
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REVISIONS

PLUMBING
NOTES

CONSTRUCTION DOCUMENTS

P1