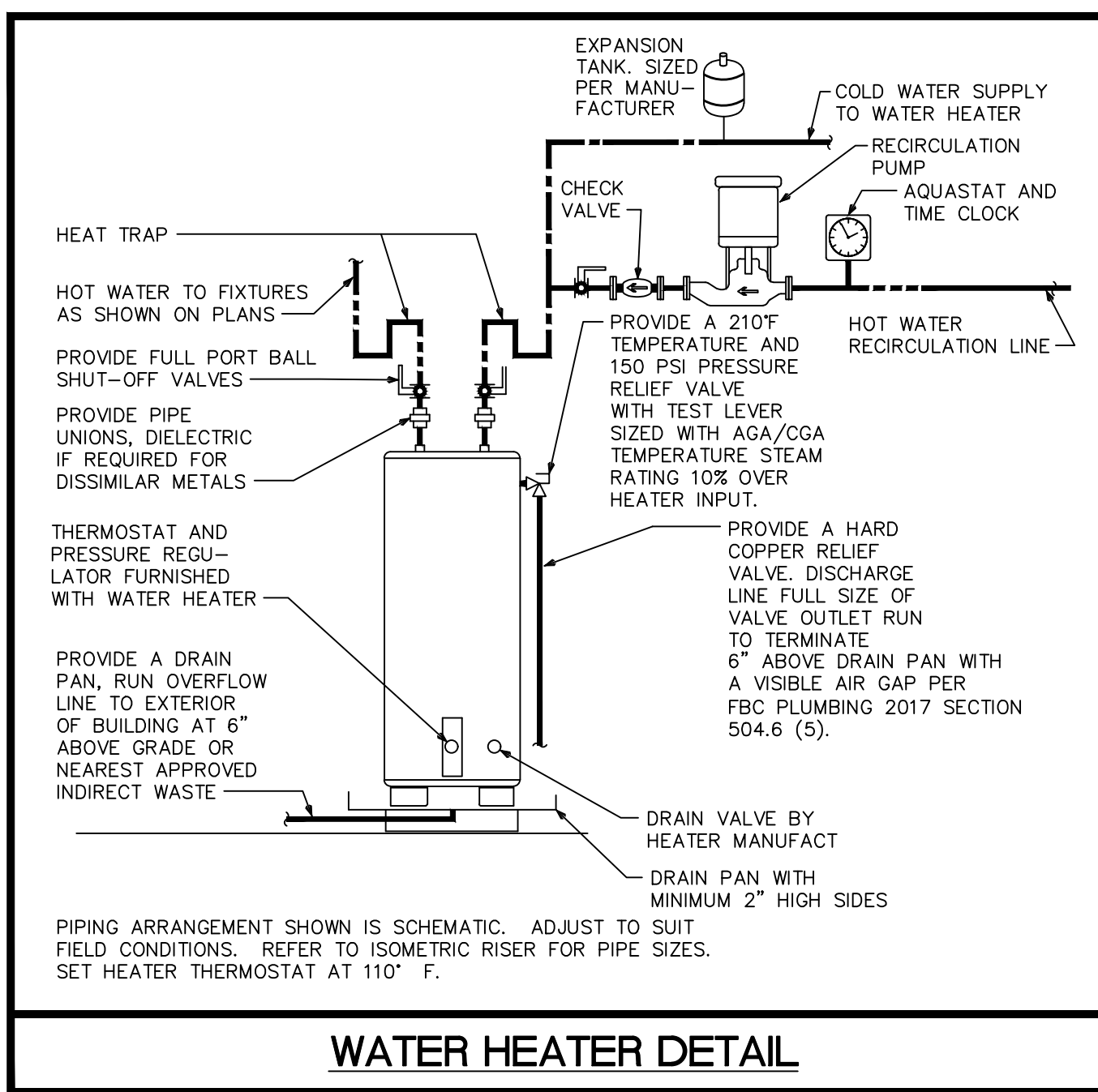


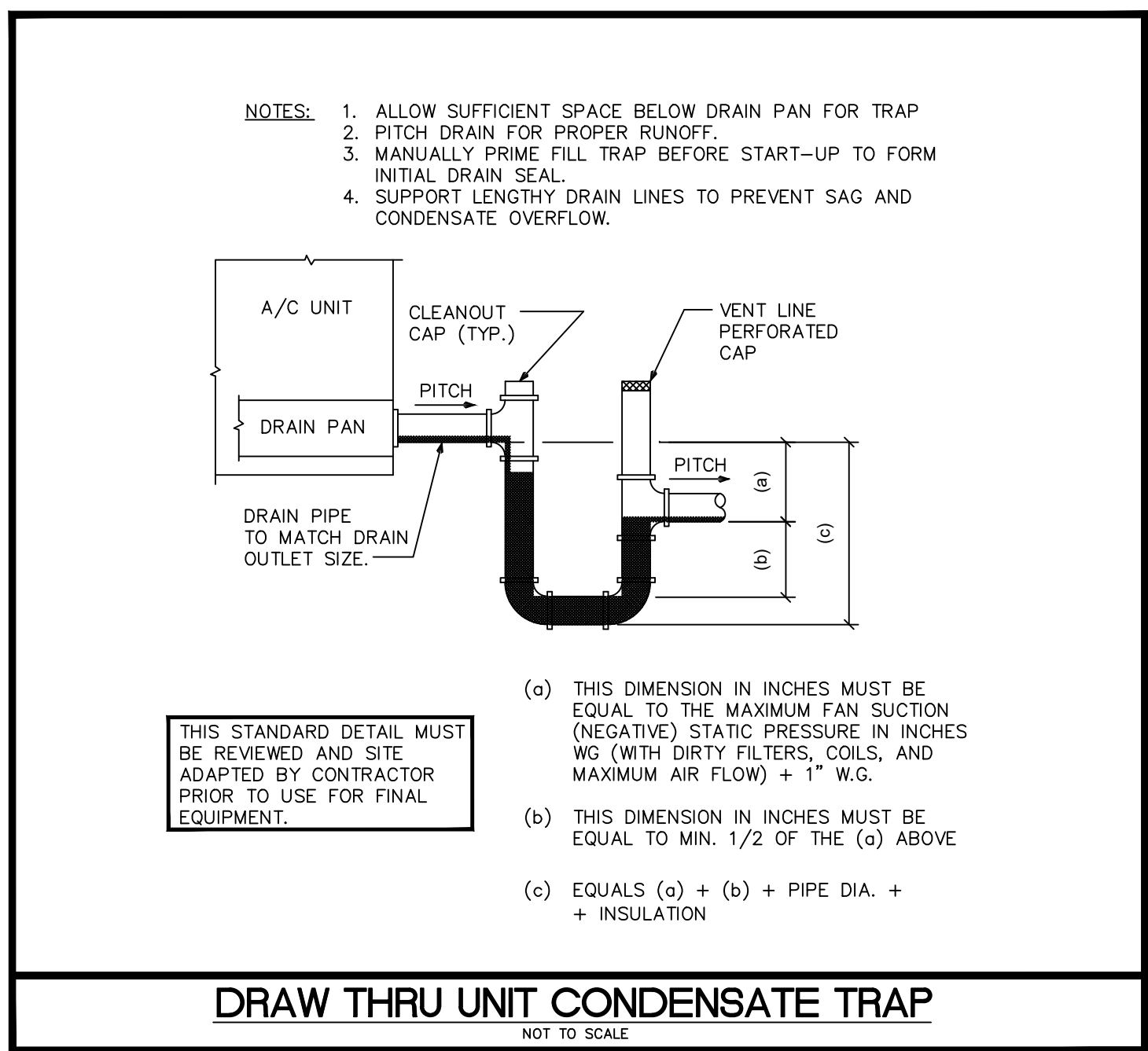
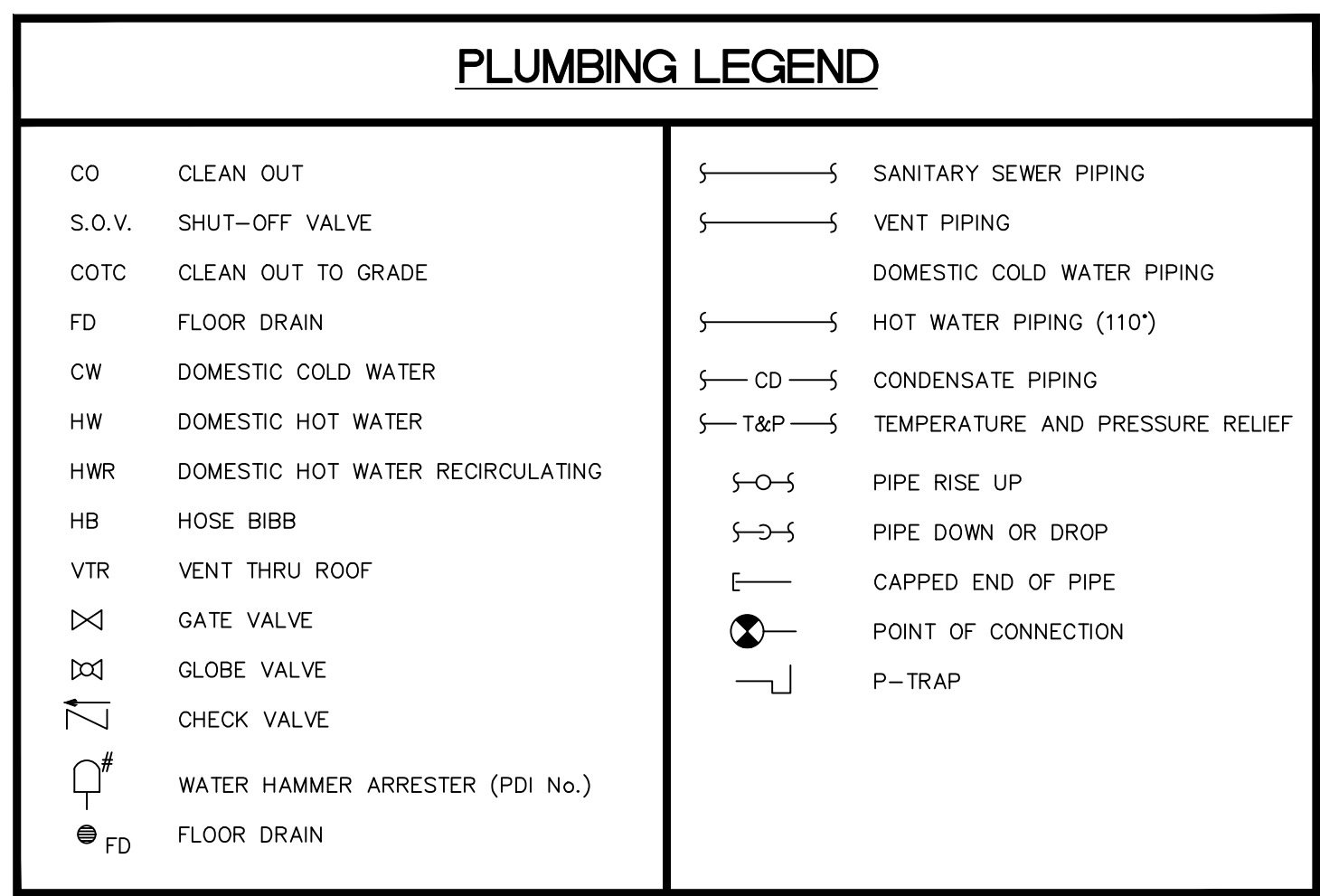


SHOCK ARRESTOR SCHEDULE			
P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIUOX CHIEF 652-A	1-11	1/2"
B	SIUOX CHIEF 653-B	12-32	3/4"
C	SIUOX CHIEF 654-C	33-60	1"

SIUOX 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 (inches 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



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	SANITARY PLAN – NORTH
P3	SANITARY PLAN – SOUTH
P4	DOMESTIC WATER PLAN – NORTH
P5	DOMESTIC WATER PLAN – SOUTH
P6	ISOMETRICS

PLUMBING NOTES

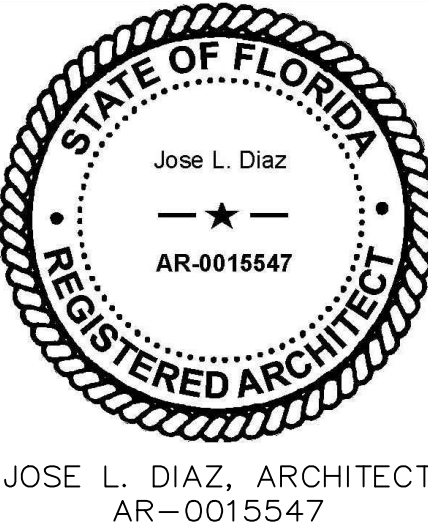
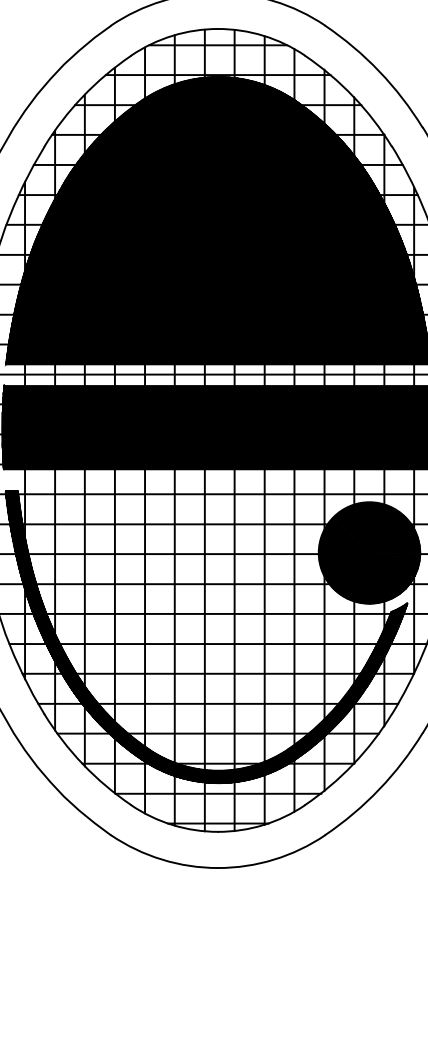
1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SCOPE OF WORK. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 7TH EDITION (2020) – PLUMBING, APPLICABLE LOCAL CODES, RULES, AND ORDINANCES.
2. THE 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 DAMAGES FOR EACH FIVE YEAR DURATION OF THE PROJECT.
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 ANY RELEVANT AUTHORITY.
7. CONTRACTOR SHALL SUBMIT TO ARCHITECT/ENGINEER, FOR REVIEW & APPROVAL, FIVE (5) SETS OF MANUFACTURER'S SPECIFICATIONS FOR EACH FIVE FOOT PIPING/FITTINGS MATERIAL AND EQUIPMENT ITEM WITH ASSOCIATED CONNECTIONS, 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 IS ALLOWED IF IT MAY BE USED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7TH EDITION (2020) – PLUMBING, TABLES 605.3, 605.4 & 605.5, WHEN APPROVED BY ENGINEER OF RECORD AND LOCAL AUTHORITY HAVING JURISDICTION. PROVIDE ALTERNATE FOR GPVC PIPING & FITTINGS EQUAL TO LUBROLZ CORP. LOW PRESSURE SHALL NOT BE ACCEPTED. CAST IRON PIPING & FITTINGS SHALL BEAR THE CIPSI—301 MARK. ALL DWV PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES. THEREAFTER 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. IDENTIFY LOCATION 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. PVP PIPING SHALL BE SOLD-SOLE-DRY. COAST GUARD PIPING SHALL NOT BE ACCEPTED. CAST IRON PIPING & FITTINGS SHALL BEAR THE CIPSI—301 MARK. ALL DWV PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES. THEREAFTER 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. IDENTIFY LOCATION 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.
13. NATURAL & PROPANE GAS PIPING SHALL BE THE FOLLOWING: UNDERGROUND – PE PIPE COMPLY WITH LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ABOVEGROUND – SCHEDULE 40 BLACK STEEL COMPLING WITH ASTM A53 AND THREADED, WELDED, OR FLANGED FINISHED. CORRUGATED STAINLESS STEEL TUBING COMPLING WITH ANSI/AIS L31 SHALL BE ALLOWED FOR ABOVEGROUND APPLICATIONS.
14. COMPRESSED AIR PIPING SHALL BE ASTM B241 EXTRUDED ALUMINUM ALLOY COMPLING WITH ASME B31.1 OR GALVANIZED BLACK STEEL IN ACCORDANCE WITH DIN EN 10255. ALUMINIUM PIPING AND GROOVE-JOINT FITTINGS SHALL BE ARNET, TRANSIRO, OR APPROVED ALUM. STEEL PIPING AND GROOVE-JOINT FITTINGS SHALL BE ARNET, TRANSIRO, OR APPROVED STEEL PIPING AND GROOVE-JOINT FITTINGS.
15. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE ANGLE STOPPS 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 & PDH-W0401.
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 MATTER.
19. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND CONDENSATION BY FILLING ANNULAR SPACE BETWEEN PIPES 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 MINIMUM OF 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 MATCH THE RATING OF THE WALL AND SHALL MATCH THE FINISH OF THE WALLS WHICH IT IS INSTALLED.
22. PROVIDE COMBINATION CLEANOUT PLUG AND COVER PLATE OR ACCESS PANEL FOR ALL WALL CLEANOUTS. FINISH TO MATCH NEARBY FINISH 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 ARMAREX INSULATION AND A VAPOR-BARRIER JACKET PER FLORIDA BUILDING CODE 7TH EDITION (2020) – ENERGY CONSERVATION, TABLE 404.8. PVC WITHOUT INSULATION IS ACCEPTABLE FOR RISERS AND BELOW GRADE PIPING WHEN USED IN A RETURN AIR PLENUM. GPVC PIPING WITH INSULATION IS ACCEPTABLE IN LOCATIONS DAMAGED BY LOGIC CODES. CONDENSATE PIPING SHALL NOT DRAIN INTO 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 1522.35. ALL PIPING AND MINIMUM EQUIPMENT CLEARANCE ABOVE AND BELOW CONDENSATE PIPING'S CONDENSATE DISCHARGE SHALL BE INSULATED WITH ARMAREX 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 404.8. INSULATION SHALL BE PROVIDED FOR RISERS AND BELOW GRADE PIPING WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING. ALL COLD WATER PIPING SHALL BE INSULATED WITH ARMAREX INSULATION AND A VAPOR-BARRIER JACKET. PER FLORIDA BUILDING CODE 7TH EDITION (2020) – PLUMBING, SECTION 607.5.
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.

[illegible]

ADDITION AND RENOVATION
FOR:
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JOSE L. DIAZ, ARCHITECT
AR-0015547

DRAWN
CHECKED
DATE 11/14/22
SCALE
JOB NO.
SHEET

P1

OF SHEETS

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