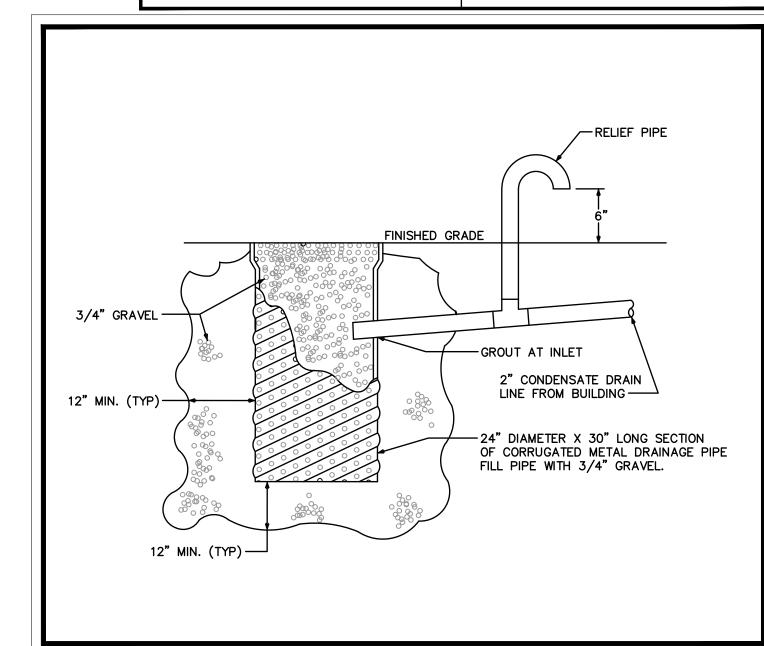
CONDENSATE DRAIN PIPE SIZING				
HVAC EQUIPMENT CAPACITY	MINIMUM CONDENSATE PIPE DIAMETER			
UP TO 20 TONS OF REFRIGERATION	1"			
OVER 21 TONS TO 40 TONS OF REFRIGERATION	1-1/4"			
OVER 41 TONS TO 60 TONS OF REFRIGERATION	1-1/2"			
OVER 61 TONS TO 100 TONS OF REFRIGERATION	2"			
OVER 101 TONS TO 250 TONS OF REFRIGERATION	3"			
OVER 251 TONS & LARGER OF REFRIGERATION	4"			



## PLUMBING FIXTURE SCHEDULE

CONDENSATE DRYWELL DETAIL

SINGLE STAINLESS STEEL SINK, 25 X 22 DAYTON MODEL #K-12522 WITH A T&S BRASS FAUCET MODEL #B-0199-01-N05 WITH A 5-11/16" SPREAD GOOSENECK WITH 4" WRIST BLADE FAUCET HANDLES.

## **GENERAL NOTES:**

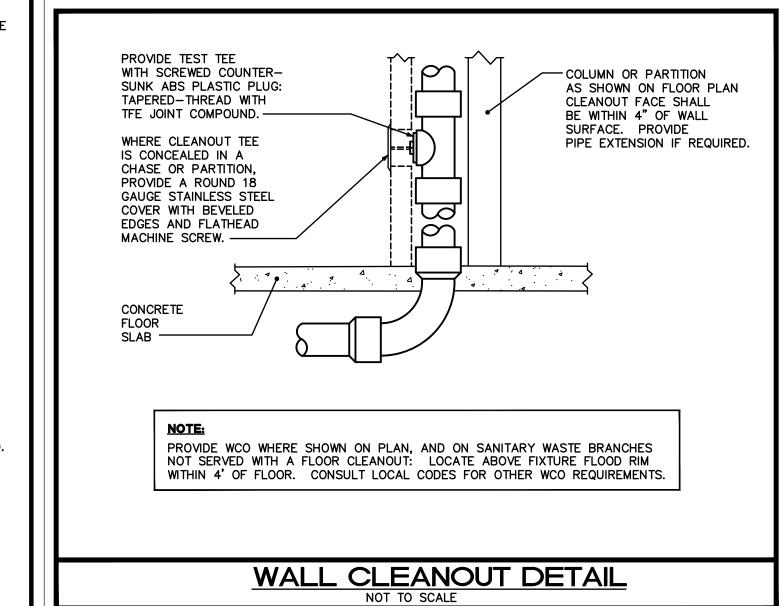
- (1) FIXTURES SHALL BE AS SHOWN OR EQUAL. ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF FBC 2023
- (3) ALL FIXTURE TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE.
- (4) ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY

## PLUMBING NOTES

- 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 8TH EDITION (2023) - PLUMBING, APPLICABLE LOCAL CODES, RULES, AND ORDINANCES.
- 2. PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL
- 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
- REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 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
- 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 8TH EDITION (2023) - PLUMBING, TABLES 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 8TH EDITION (2023) -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 MAY NOT BE USED THRU RATED ASSEMBLIES OR 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.
- 13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE ANGLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS (WHERE REQUIRED). COORDINATE LOCATIONS WITH GENERAL CONTRACTOR
- 14. PROVIDE APPROVED WATER HAMMER ARRESTORS FOR ALL (GROUP) PLUMBING FIXTURES, SIZED & LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS & PDI-WH201.
- 15. PROVIDE DIELECTRIC COUPLINGS OR FLANGES BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- 16. ISOLATE COPPER PIPING FROM METALLIC HANGERS OR SUPPORTS WITH ISOLATOR PADS OR NON-CONDUCTIVE MATERIAL.
- 17. 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.
- 18. 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.
- 19. 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.
- 20. PROVIDE COMBINATION CLEANOUT PLUG AND COVER PLATE OR ACCESS PANEL FOR ALL WALL CLEANOUTS. FINISH TO MATCH NEARBY FIXTURE TRIM.
- 21. NO COMBUSTIBLE MATERIAL SHALL BE INSTALLED IN MECHANICAL ROOMS NOR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
- 22. NO WATER, SANITARY OR DRAINAGE PIPING SHALL BE INSTALLED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
- 23. ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE FURNISHED FOR OWNER/OPERATOR.
- 24. CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET PER FLORIDA BUILDING CODE 8TH EDITION (2023) - ENERGY CONSERVATION, TABLE C403.2.8. PVC WITHOUT INSULATION IS ACCEPTABLE FOR RISERS AND BELOW GRADE PIPING. WHEN USED IN A RETURN AIR PLENUM, PVC 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 8TH EDITION (2023), 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
- 25. HOT WATER PIPING INSULATION SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA BUILDING CODE 8TH EDITION (2023) - PLUMBING, TABLE 607.5 & FLORIDA BUILDING CODE 8TH EDITION (2023) -ENERGY CONSERVATION. TABLE C403.2.8. 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 8TH EDITION (2023) - ENERGY CONSERVATION, TABLE C403.2.8.
- 26. 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. 27. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL
- 28. STUDOR MINI/MAXI AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF WHERE ACCEPTABLE BY THE PLUMBING OFFICIAL AND LOCAL CODES. INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
- 29. ALL HORIZONTAL RAINWATER PIPING THE RECEIVES CONDENSATE DISCHARGE FROM AIR
- CONDITIONING EQUIPMENT SHALL BE INSULATED WITH 1" THK. ARMAFLEX. 30. PLUMBING PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE SPRINKLER, STRUCTURAL AND CIVIL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. PIPING MODIFICATIONS SUCH AS OFFSETS, BENDS, TRANSITIONS, AND SIZES SHALL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CHANGES IN PIPE SIZES AND ROUTING SHALL BE REQUIRED BY THE CONTRACTOR TO AVOID CONFLICTS AND TO ADAPT TO EXISTING FIELD CONDITIONS PROVIDED THAT INSTALLATION MEETS ALL
- 31. SUPPLY TRAP PRIMER FOR ALL FLOOR DRAINS, FLOOR SINKS, HUB DRAINS, ETC. SHOWN ON PLANS. 32. CONTRACTOR TO FIELD VERIFY ALL SUPPLY PRESSURE REQUIREMENTS AND LIMITATIONS. PROVIDE PRESSURE REDUCING VALVE IF REQUIRED.

PLUMBING SHEET INDEX				
SHEET# DESCRIPTION				
P0.1	PLUMBING NOTES, LEGENDS, AND DETAILS			
P2.1	1ST FLOOR PLUMBING PLAN			

PLUMBING LEGEND					
СО	CLEAN OUT	5\$	SANITARY SEWER PIPING		
S.O.V.	SHUT-OFF VALVE	5	VENT PIPING		
сотс	CLEAN OUT TO GRADE	<b>5</b> —-— <b>5</b>	DOMESTIC COLD WATER PIPING		
FS	FLOOR SINK	<u></u>	HOT WATER PIPING (110°)		
CW	DOMESTIC COLD WATER	<b>⊱</b>	HOT WATER PIPING (140°)		
нw	DOMESTIC HOT WATER	<u> </u>	HOT WATER RECIRCULATING PIPING		
HWR	DOMESTIC HOT WATER RECIRCULATING	<b>5</b> — CD <b>─5</b>	CONDENSATE PIPING		
НВ	HOSE BIBB	<b>5</b> — CA <b>─5</b>	COMPRESSED AIR PIPING		
VTR	VENT THRU ROOF	<b>5</b> — T&P <b>──</b> 5	TEMPERATURE AND PRESSURE RELIEF		
	GATE VALVE	<b>5</b> ─SD <i>─</i> <b>5</b>	STORM DRAIN PIPING		
M	GLOBE VALVE	<b>5</b> — G — <b>5</b>	GAS PIPING		
Z	BACKFLOW PREVENTOR LEAD FREE, PRE FBC PL 608.1	5-0-5	PIPE RISE UP		
$\bowtie$	GAS SOLENOID VALVE	⊱⋺⊰	PIPE DOWN OR DROP		
<b>▼</b> "	GAS COCK	Ę	CAPPED END OF PIPE		
	WATER HAMMER ARRESTER (PDI No.)	<b>\$</b> —	POINT OF CONNECTION		
● <sub>FD</sub>	FLOOR DRAIN	一一	P-TRAP		



Α	SIOUX CHIEF 652-A	1–11	1/2"				
В	SIOUX CHIEF 653-B	12-32	3/4"				
С	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					

ISSUED FOR PERMIT

PRINCIPAL
Bradly L Brown Florida License #58232

KAMM CONSULTING PROJECT #: 2023-0408 PROJECT MANAGER: JOHN MAYR

NOT FOR PRICING OR CONSTRUCITON

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2023

SHOCK ARRESTOR SCHEDULE

P.D.I. DESIGNATION MANUF. & MODEL | FIXTURE UNITS | CONNECTION

NO. REVISION DATE PERMIT SET 06/28/2024

CONSULTANT:

Hall

Lucie St.

ITEC H AR



DRAWING TITLE:

**PLUMBING NOTES** 

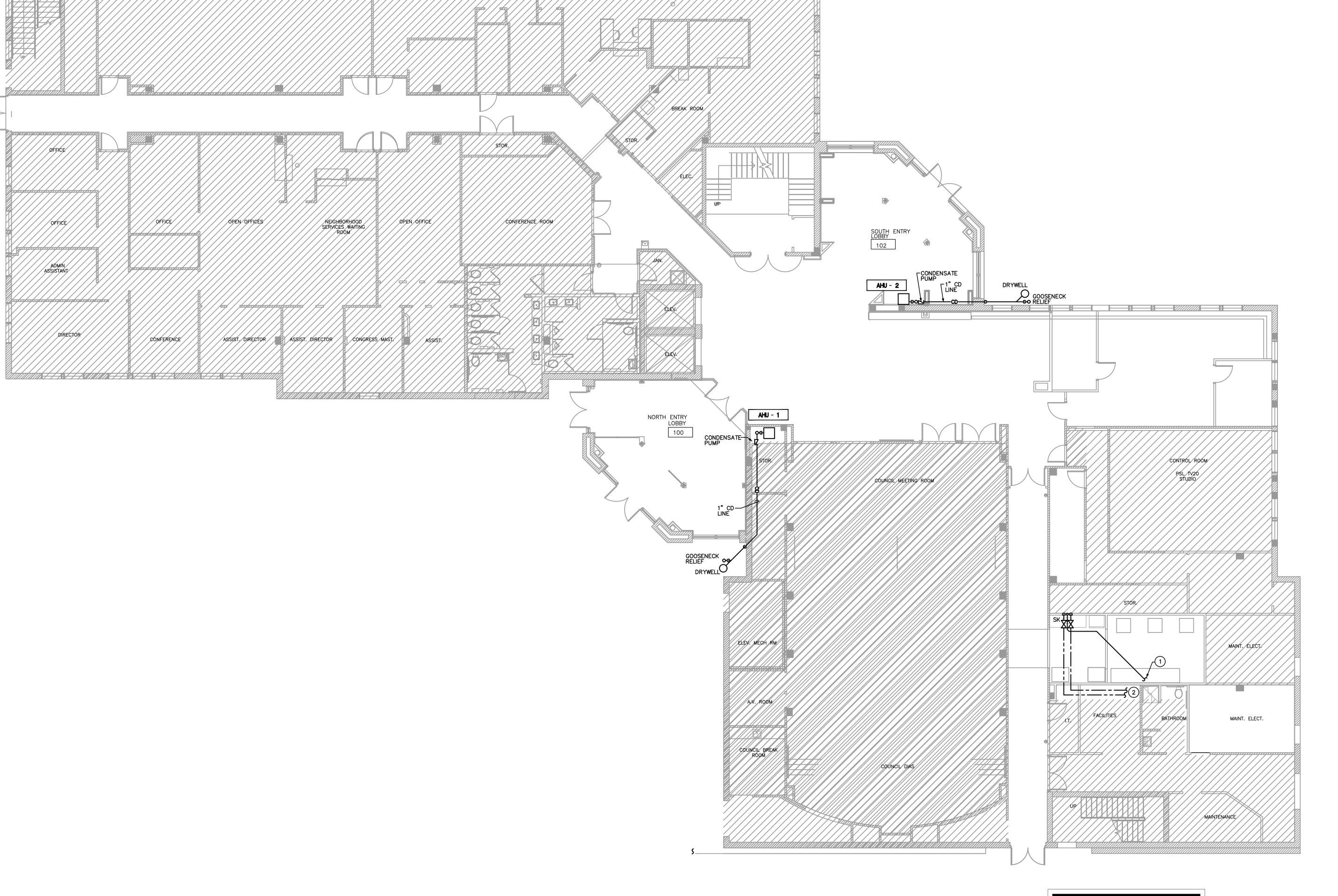
DRAWN CHECKED 6-28-2024 05.31.24 DATE AS NOTED PRJCT # Consulting

Phone 954-448-0792

JMAYR@kammconsulting.com
Certification of Authorization #8189

07-08-24

SHEET:



PLUMBING PLAN NORTH

KEY NOTE

2" SANITARY LINE, TIE TO EXISTING IN AREA. FIELD VERIFY EXACT SIZE, LOCATION, & INVERT PRIOR TO ROUGH-

2 3/4" DOMESTIC WATER LINE, TIE TO EXISTING IN AREA. FIELD VERIFY EXACT SIZE, LOCATION, PRIOR TO ROUGH— IN.

ISSUED FOR PERMIT 6-28-2024 NOT FOR PRICING OR CONSTRUCITON 1408 Orange Avenue
Fort Pierce, Florida 34950
Phone 954-448-0792
JMAYR@kammconsulting.com
Certification of Authorization #8189

NO. REVISION DATE

121 SW Port St. Lucie Blvd. Building A, Port St. Lucie, FL 34984 Port St.

ARCHITECTS, INC

DRAWING TITLE:

PLUMBING PLAN

DRAWN CHECKED 05.31.24 DATE AS NOTED SCALE

PRJCT # SHEET: