APPENDIX A – UGA STANDARD DETAILS TABLE OF CONTENTS

(listed by section number)

Revised July 30, 2024

11 53 13 – Laboratory Fume Hoods

11 53 13-A – Fume Hood Replacement (Note: intended for small renovation projects)

Revised July 30, 2024

22 00 00 - General Plumbing Requirements

22 00 00-A - De-ionized Water Installation

23 07 13 - Duct Insulation

23 07 13-A - Trapeze Hanger Insulation

23 20 00 - HVAC Piping Schematics

23 20 00-A - AHU Coil - Single Coil

23 20 00-B - AHU Coil - Multiple Coils

23 20 00-C - AHU Coil - HW Coil with Loop Pump

23 20 00-D - FCU & Terminal Unit Piping

23 20 00-E - Pump & Gauge Manifold Piping: End Section Pump

Revised July 30, 2024

Revised July 30, 2024

23 21 13 – Hydronic Piping

23 21 13-A - Automatic Air Vent

23 21 13-B - Manual Air Vent

23 21 13-C - Insulation Tie-Down

23 31 13 - Metal Ducts

23 31 13-A - Hangers and Supports

23 31 13-B - Transite and Stainless Steel Ductwork Connection

23 31 13-C - Diffuser Details

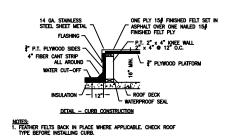
26 00 00 - General Electrical Requirements

26 00 00-A - Electrical Equipment Identification Tags

33 60 00 – Hydronic and Steam Energy Utilities

33 60 00-A - Steam Vault Details (1-3)

UGA DESIGN & CONSTRUCTION
SUPPLEMENTAL GENERAL REQUIREMENTS & STANDARDS



AIR TERMINAL (10" MIN. ABOVE DUCT)

SUPPORT AND ATTACH AIR TERMINAL AND CABLE TO VENT AND ROOF PER LIGHTNING PROTECTION INSTITUTE STANDARD LPI-175

F STRANDED COPPER CABLE

EXHAUST FAN ON VIBRATION ISOLATORS

FLEXIBLE CONNECTION FOR EXHAUST FAN (SEE DETAIL)

(1 y-3.9)

FUME HOOD EXHAUST DUCT HANGER DETAIL

त्त्रीया

EXPLODED VIEW OF FLANGED CONNECTION

STAINLESS STEEL EXHAUST DUCTWOR

THREADED ROD

STAINLESS STEEL

PROVIDE 3 GUY WIRES SPACED 120 DEGREES APART. SECURED WITH ANCHORS AND TIGHTEN UTILIZING TURNBUCKLES.

CADWELD TO EXIST. LIGHTNING PROTECTION SYSTEM MAIN — CONDUCTOR (COPPER)

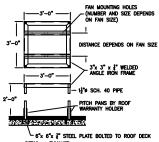
TRAPETE HANGER

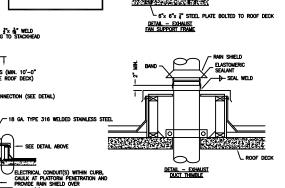
DUCT

M-3.0 SCALE: NONE TYPICAL FOR ALL EXHAUST DUCTS

316 SS ELECTRODE GASETIGHT GRIND SMOOTH (TYP. BOTH FLGS)

3'-0' FUME HOOD FAN
DIAMETER D. @ 3000 FPM±
DISCHARGE DUCT SIZE 575 CFM 6"4 DIAMETER d. © 1000 FPM± SUCTION SIDE DUCT SIZE - 3'-0" 6' HPFH 575 CFM 10"# AIRFLOWS BASED ON 80 FPM FACE 2'-0"





1. The Eristing hood utility connections shall be removed from the Eristing hood which shall be demolshed by others, the hood utility connections shall be reconnected to the New Hood as detailed on ϕ_i M=1. 2. The existing hood exhaust fan, located on the roof, shall be demolished and removed by the contractor.

3. THE EXISTING AUXILIARY, MAKE UP AIR FAN AND ASSOCIATED DUCT WORK SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR. THE DUCTWORK INTAKE LOLVER SHALL BE CAPPED AND SEALED WAITERFRIGHT.

4. EXHAUST DUCTWORK WITHIN THE BUILDING SHALL REMAIN AND BE REUSED TO THE EXTENT

5. THE NEW FUME HOOD EXHAUST DUCTNORK SHALL BE ROUTED THROUGH A NEW ROOF CURB/THE EUSISTING ROOF PENETRATION AND ROOF CURB. THE CURB CAP SHALL BE REPLACED WITH A NEW 14 CA. S. CAP WHICH SHALL BE MADE WEATHER TIGHT. THE DESTROKE FAN SUPPORT CURB CAP AND RAUS. SHALL BE DEMOLISHED AND REPLACED WITH A NEW 14 GA. SS CAP AND MADE WASTEPPINAT.

6. THE NEW HOOD EXHAUST UTILITY SET FAN SHALL BE SUPPORTED ON A NEW SUPPORT FRAME AS DETAILED ON 1/M-3.0, WHICH SHALL BE LOCATED TO ALLOW 5 DUCT DIMETERS OF STRAIGHT BUCH UTILITY OF THE FLEXIBLE FAN CONNECTION. THE FAN BOSHAME STACK SHALL BE LOCATED AT A DISTANCE NO LESS THAN 15' FROM ANY OUTSIDE AR INTIME. THE FAN STACK SHALL BE SUPPORTED WITH GUTS WHISE, TURNSHOLGELS AND ACKNORMS AS INDICATED ON PORMINES. COORDINATE FINAL FAN LOCATION WHI FOUND HE SHALL BE SHAPE SHALL FAN LOCATION WHITE DISTANCE AND ACKNORMS AS INDICATED ON PORMINES. COORDINATE FINAL FAN LOCATION WHITE AND MECHANICAL DESIGN ENGINEER (706-542-6560) PEROR TO RELIVENCE ESSING FAN OR WHATEN LOCATION WHITE STATE OF THE PROPERTY O

7 NEW FAN SHALL BE CONNECTED TO EXISTING LIGHTNING PROTECTION SYSTEM AS SHOWN ON

8. Fume hood exhaust fan varuble frequency drime shall be installed in enclosure as detailed on 5/14–3.0. See electrical sheets for drime wring details, drive shall be located in space on wall adjacent to filme hood along with electrical disconnect. Coordinate raive location with find-electrical engineer from to install

9. FAN SHALL OPERATE VIA ITS VARIABLE FREQUENCY DRIVE TO MAINTAIN 80 FEET PER MINUTE FACE VELOCITY AT 18" SASH POSITION. THE DRIVE SHALL BE JUMPED OUT TO PREVENT ON/OFF SWITCHING VIA THE HOOD. THE HOOD FAN CONTROL SWITCH SHALL BE BLANKED/THE HOOD EXHAUST FAN SHALL BE SWITCHED ON/OFF VIA A HOOD MOUNTED SWITCH (FACTORY SUPPLIED)

10.ASHRAE STANDARD 110 TESTING FOR SMOKE VISUALIZATION, FACE VELOCITY AND TRACER GAS TESTING SHALL BE COORDINATED WITH $\underline{\text{DERK. CRONIC}}$, FAID-0-0-0-1 (708-542-6561) UPON COMPLETION OF INSTALLATION AND TEST & BALANCE.

11.THS BUILDING HAS A WARRANTED ROOF, DEMOLITION, REPAIR, AND NEW WORK UNDER THIS CONTRACT IS REQUIRED TO BE ACCOMPLISHED IN A WAY THAT MAINTAINS THE NEW ROOF WARRANTY, PREVENT DAMAGE TO ROOF, COORDINATE WITH THE NEW ROOF'S MANUFACTURER TO ENSURE MAIETRIALS, DETAILING, AND LABOR ARE PROVIDED SO AS TO MAINTAIN ROOF WARRANTY, FOR ROOF WARRANTY/MANUFACTURER INFORMATION CONTACT BLAINE PRITCHETT, UGA-FMD CONSTRUCTION DEPARTMENT, (404) 392-4702, BLAINEP@UGA.EDU.

EXHAUST FAN SCHEDULE | MAX. | MFGR. | MODEL NO. | CFM | S.P. | WATTS | HP | VOLT/PH | RPM | COOK | 120CASD17 | ORE | 4 and | 1 and 80 FPM FV SONE dBA EF-4204 COOK 120CASD17 965 1.65" - 1 208/3 1750 - 58

NOTES:

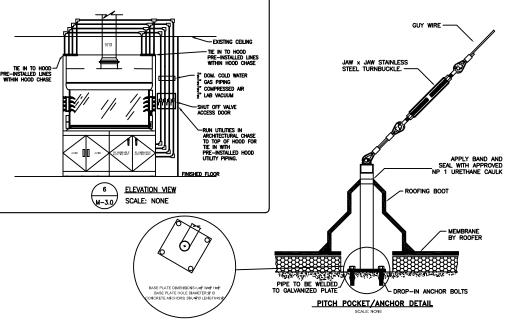
FAN OPTIONS SHALL INCLUDE: TEFC 208/3/60 MOTOR, SHAFT GROUNDING, PHENOLIC EPOXY COATING WITH UV, DRAIN, FLANGED INLET, FLANGED OUTLET, RUB RING, AND ALUMINUM WHEEL.

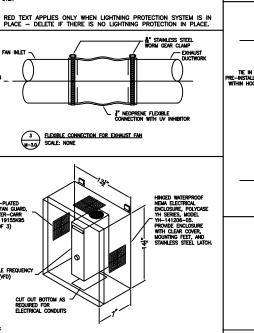
FAN TO BE SUPPLIED WITH ABB ACS150 VARIABLE FREQUENCY DRIVE

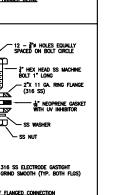
		-	FUME H	00D S0	CHEDULE					
DESIG.	BASIS C)F DESIGN		F	LOW CONDITIONS			UTIL	ITES	
DESIG.	MFGR.	MODEL NO.	CFM	S.P.	FACE VELOCITY	sash height	DCW	G	A	٧
FH-4204	SUPREME AIR	LV05-6'	965	.30"	117 FPM	18"	Į.	ł.	1.	1"

NOTES: FUME HOOD SHALL BE SUPPLIED BY OWNER.

ALL NEW FUME HOODS SHALL BE ASHRAE 110 TESTED BY CERTIFIED AND APPROVED FUME HOOD TESTING CONTRACTOR.







STAINLESS 1 2"x1 2"x 12" WELD STEEL ANGLE RING TO STACKHEAD

VARIES (MIN. 10'-0" ABOVE ROOF DECK)

FLANGED CONNECTION (SEE DETAIL)

SEE DETAIL ABOVE

FAN INLET

NICKLE-PLATED

STEEL FAN GUARD, McMASTER-CARR MODEL 19155K95

RIABLE FREQUENCY DRIVE (VFD)

CONDITIES)

4D

11-5d - 12-5d

TYPICAL DETAIL - FUME HOOD EXHAUST FAN SUPPORT FRAME

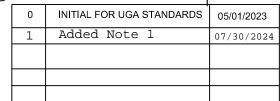
REQUIRED FOR ELECTRICAL CONDUITS NOTE: SECURE ONE LATCH ON ENCLOSURE WITH BEST MODEL 11872 PADLOCK. PADLOCK CORE TO BE COMBINATED TO UGA M-89 KEY.

CUT OUT BOTTOM AS

SCALE: NONE

5 ENCLOSURE FOR EXHAUST FAN VARIABLE FREQUENCY DRIVE W-3.0 SCALE: NONE

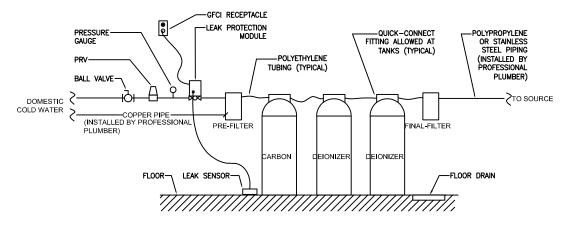
Note 1: This sheet intended for small renovation projects





11 53 13-A

FUME HOOD REPLACEMENT



DE-IONIZED WATER INSTALLATION DETAIL

(SCHEMATIC C

NOTES:

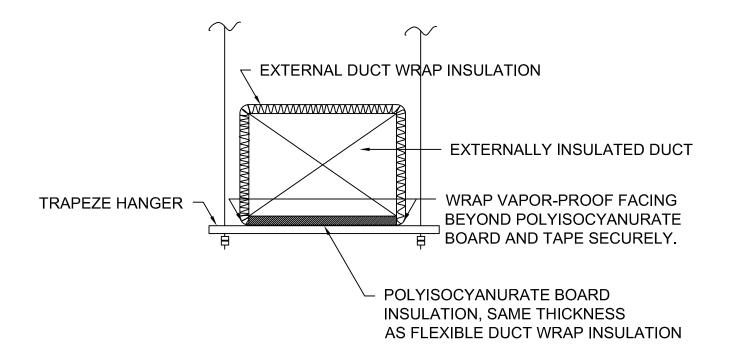
- 1. ALL CONNECTOR FITTINGS SHALL BE WITH THREADED CONNECTIONS WITH O-RINGS, COMPRESSION FITTINGS ARE NOT ALLOWED.
- LEAK DETECTION MODEL SHALL BE SERIES 1000 LEAK-GOPHER, OR APPROVED EQUAL, FOR LARGE DISTRIBUTED SYSTEMS, AUTOMATIC FLOW LIMITING DEVICES MAY BE REQUIRED IN PLACE OF LEAK DETECTION. (PROVIDE FLO-LOGIC SYSTEM OR EQUAL)
- FLOOR DRAINS SHALL BE REQUIRED FOR INSTALLATIONS IN NEW BUILDING, BUT FOR RENOVATIONS SHALL BE CONSIDERED ON A CASE-BY-CASE SCENARIO.
- 4. PRV SHALL BE BRASS CONSTRUCTION (WATTS OR APPROVED EQUAL)
- 5. GFCI RECEPTACLE SHALL BE REQUIRED WHEN NECESSARY AS REQUIRED TO MEET CODE.
- 6. ALL SHOWN RIGID PIPE (COPPER, STAINLESS STEEL, OR POLYPROPYLENE) SHALL BE INSTALLED BY A PROFESSIONAL PLUMBER (FMD OR A PLUMBING CONTRACTOR).
- 7. ALL INSTALLATIONS MUST BE APPROVED BY FMD. DEPENDING UPON LOCATION RELATIVE TO SENSITIVE EQUIPMENT (ELECTRICAL ROOMS, RESEARCH EQUIPMENT, ETC.) REQUIREMENTS MAY VARY.
- 8. ANY PIPING DISTRIBUTION BEYOND THE FINAL FILTER SHALL BE STAINLESS STEEL OR HEAT-FUSED POLYPROPYLENE AND SHALL BE PROPERLY SUPPORTED WITH PIPE HANGERS, SADDLES, PIPING CLAMPS, ETC., UNLESS THE END SOURCE IS DIRECTLY ADJACENT TO THE DI TANKS, THEN POLYETHYLENE TUBING IS ACCEPTABLE.

0	INITIAL FOR UGA STANDARDS	05/01/2023



DE-IONIZED WATER INSTALLATION

22 00 00-A



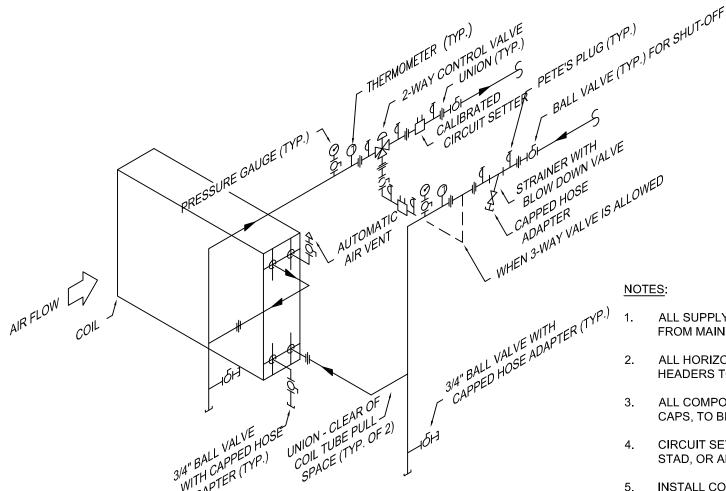
TRAPEZE HANGER INSULATION DETAIL NO SCALE

			_
0	INITIAL FOR UGA STANDARDS	05/01/2023	
] 1
1			



TRAPEZE HANGER INSULATION

23 07 13-A



- ALL SUPPLY AND RETURN HEADERS TO BE FULL SIZE FROM MAIN (SEE PLANS FOR PIPE SIZE).
- 2. ALL HORIZONTAL CONNECTIONS TO COILS FROM VERTICAL HEADERS TO BE SIZE OF COIL CONNECTIONS.
- 3. ALL COMPONENTS, INCLUDING DRAIN VALVE ADAPTER CAPS, TO BE RATED FOR FULL SYSTEM OPERATING PRESSURE.
- CIRCUIT SETTER SHALL BE TOUR AND ANDERSON, MODEL STAD, OR APPROVED EQUAL.
- 5. INSTALL CONTROL VALVE PACKAGE IN HORIZONTAL PIPE RUN AS REQUIRED TO FACILITATE COIL REMOVAL.

A.H.U. COIL PIPING DETAIL - SINGLE COIL

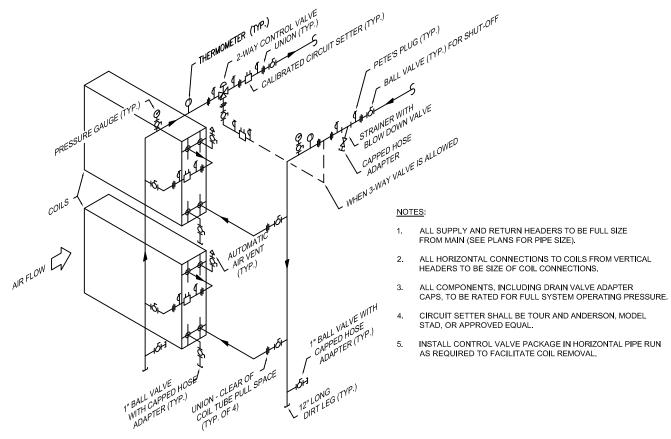
SCHEMATIC ONLY

0	INITIAL FOR UGA STANDARDS	05/01/2023



AHU COIL- SINGLE COIL

23 20 00-A



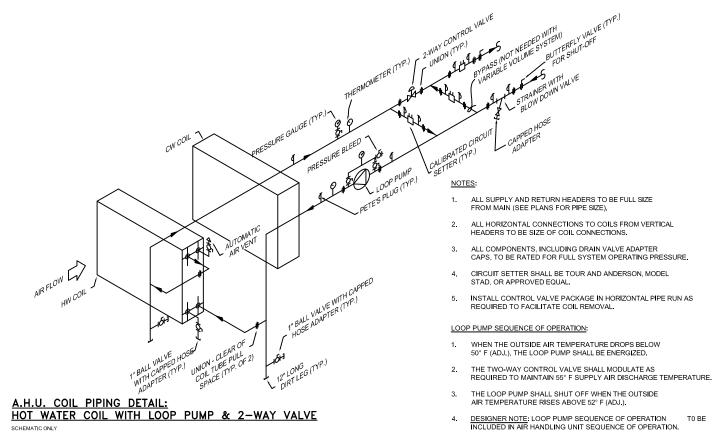
A.H.U. COIL PIPING DETAIL - MULTIPLE COILS

0	INITIAL FOR UGA STANDARDS	05/01/2023



AHU COIL - MULTIPLE COILS

23 20 00-B



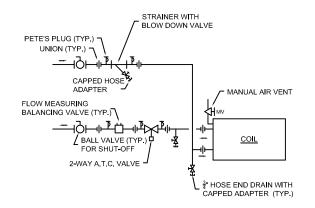
0	INITIAL FOR UGA STANDARDS	05/01/2023



AHU COIL - HW COIL WITH LOOP PUMP

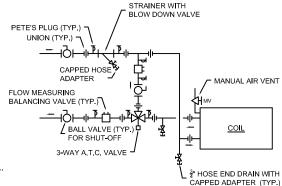
T0 BE

23 20 00-C



NOTES:

- ARRANGE ALL PIPING TO ALLOW REMOVAL OF COIL.
- 2. PIPING SHOWN IS DIAGRAMMATIC.
- 3. ALL COMPONENTS, INCLUDING DRAIN VALVE ADAPTER CAPS, TO BE RATED FOR FULL SYSTEM OPERATING PRESSURE.
- 4. CIRCUIT SETTERS SHALL BE TOUR AND ANDERSON, MODEL STAD, OR APPROVED EQUAL.



NOTES:

- ARRANGE ALL PIPING TO ALLOW REMOVAL
 OF COIL
- 2. PIPING SHOWN IS DIAGRAMMATIC.
- ALL COMPONENTS, INCLUDING DRAIN VALVE
 ADAPTER CAPS, TO BE RATED FOR FULL
 SYSTEM OPERATING PRESSURE.
- 4. CIRCUIT SETTERS SHALL BE TOUR AND ANDERSON, MODEL STAD, OR APPROVED EQUAL.

FAN COIL UNIT & TERMINAL UNIT COIL PIPING DETAIL 2-WAY VALVE CONFIGURATION

(SCHEMATIC ONLY)

FAN COIL UNIT & TERMINAL UNIT COIL PIPING DETAIL 3-WAY VALVE CONFIGURATION

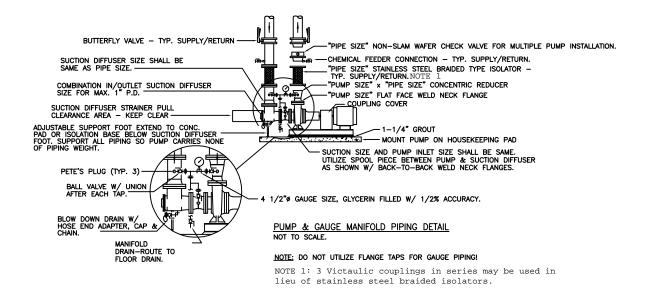
(SCHEMATIC ONLY)

1			
	0	INITIAL FOR UGA STANDARDS	05/01/2023



FCU & TERMINAL UNIT PIPING

23 20 00-D

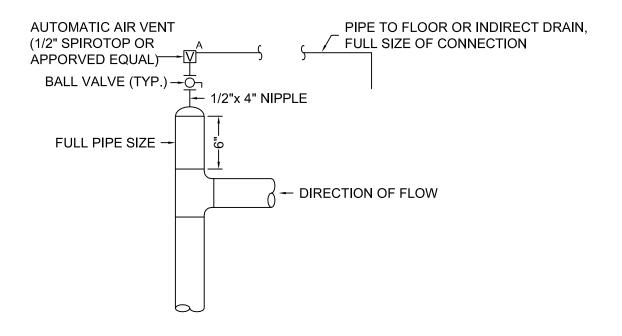


0	INITIAL FOR UGA STANDARDS	05/01/2023	
1	Added Note 1. Removed pump and compressed air details.	07/30/2024	
	-		
		·	



PUMP & GAUGE MANIFOLD PIPING: END SUCTION PUMP

23 20 00-E



NOTES:

1. VENT ALL HIGH POINTS AS INDICATED ABOVE.

AUTOMATIC AIR VENT DETAIL

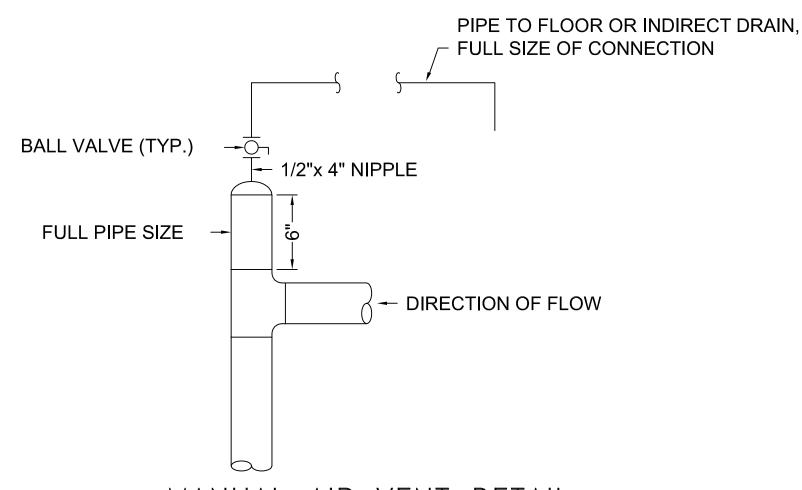
SCALE: NONE

0	INITIAL FOR UGA STANDARDS	05/01/2023	
1	Removed Note 2	07/30/2024	



|--|

AUTOMATIC AIR VENT



MANUAL AIR VENT DETAIL

SCALE: NONE

NOTES:

1. VENT ALL HIGH POINTS AS INDICATED ABOVE.

0	INITIAL FOR UGA STANDARDS	05/01/2023	
1	Removed Note 2	07/30/2024	

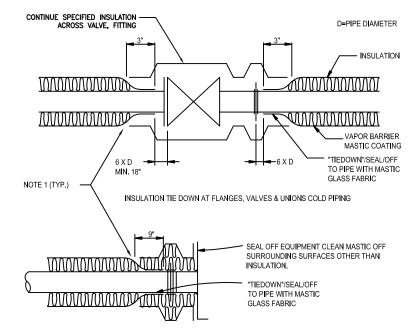


23 21 13-B

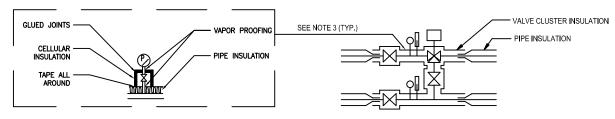
MANUAL AIR VENT

NOTES

- IDENTIFY ALL "TIE DOWNS" INCLUDING ON STRAIGHT RUNS OF PIPE WITH 4" WIDE PLASTIC ADHESIVE BANDS TAPED ALL AROUND AND MARKED "VAPOR PROOFED TO PIPE". PROVIDE TIE-DOWNS EVERY 21 FEET ON STRAIGHT RUNS OF PIPE.
- DO NOT DAMAGE VAPOR BARRIER/TIE DOWNS ON EXISTING WORK WHEN ADDING NEW WORK. REPAIR ANY DAMAGE DONE.
- 3. PROVIDE INSULATION ON ALL INSTRUMENTS, VALVES, PROBES, PETE'S PLUGS, TO PREVENT CONDENSATION/DRIPPING. INSULATION MAY BE "ARMAFLEX" OR OTHER APPROVED FLEXIBLE CELLULAR INSULATION FIXED WITH MANUFACTURER'S APPROVED ADHESIVE OR "NO DRIP" TAPE NEATLY APPLIED. THE CELLULAR INSULATION SHALL BE FORMED INTO A "CUP" OF SUITABLE DIAMETER TO FIT OVER THE VALVE, PROBE, ETC, AND TAPED TO THE SURFACE OF THE PIPE INSULATION.



INSULATION TIE DOWN AT EQUIPMENT COLD PIPING



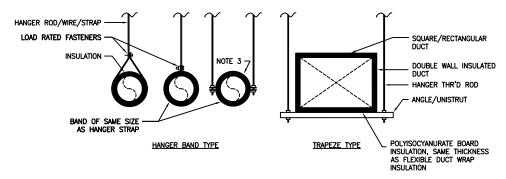
INSULATION TIE DOWN/SEAL OFF POINTS FOR CHILLED WATER PIPE DETAIL SCALE: NONE

0	INITIAL FOR UGA STANDARDS	05/01/2023



INSULATION TIE-DOWN

23 21 13-C



- WHERE EXTERNAL DUCT WRAP INSULATION IS UTILIZED, POLYISOCYANURATE BOARD INSULATION WILL BE USED AT BETWEEN SUPPORT AND DUCT WITH SAME THICKNESS AS EXTERNAL DUCT WRAP INSULATION.
- WRAP VAPOR-PROOF FACING BEYOND POLYISOCYANURATE BOARD INSULATION AND TAPE SECURELY.
- 3. ONE HALF-ROUND MAY BE USED IF DUCT RETAINS IT'S SHAPE.

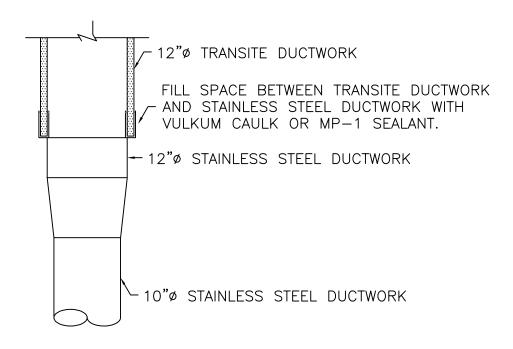
DUCT HANGER SUPPORT DETAIL NO SCALE

0	INITIAL FOR UGA STANDARDS	05/01/2023		
1	Removed "Detail for Ductwork Supported from Floor"	07/30/2024		



HANGERS AND SUPPORTS

23 31 13-A



DETAIL OF CONNECTION OF TRANSITE DUCTWORK AND STAINLESS STEEL DUCTWORK

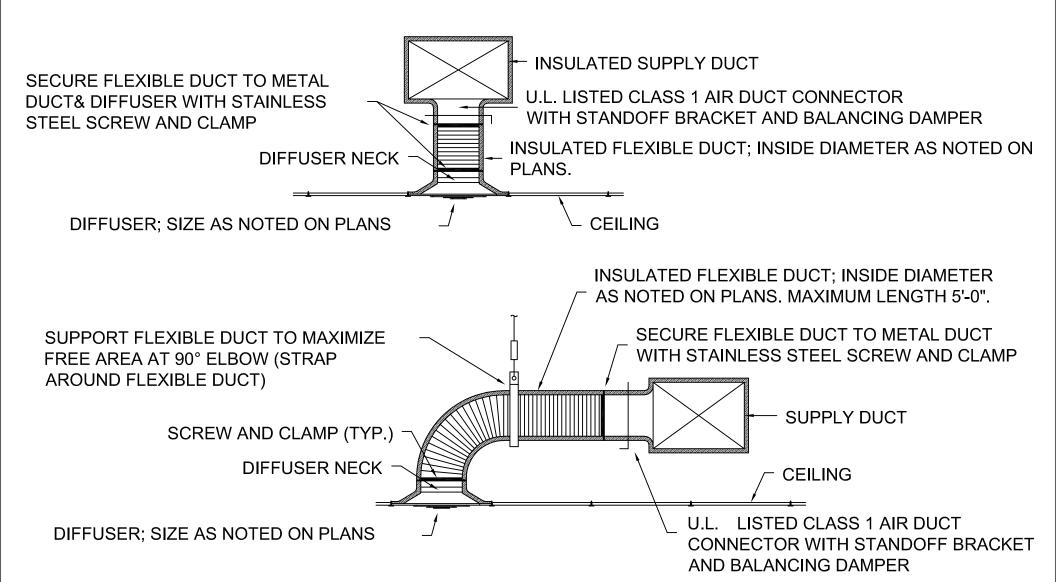
SCALE: NONE

0	INITIAL FOR UGA STANDARDS	05/01/2023



TRANSITE AND STAINLESS STEEL DUCTWORK CONNECTION

23 31 13-B



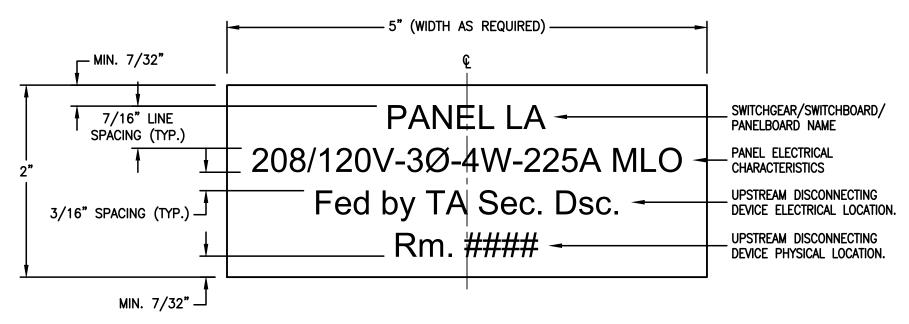
DIFFUSER CONNECTION DETAIL SCALE: NONE

0	INITIAL FOR UGA STANDARDS	05/01/2023	
			The Unive
			Engineering Department
	ļ ,		

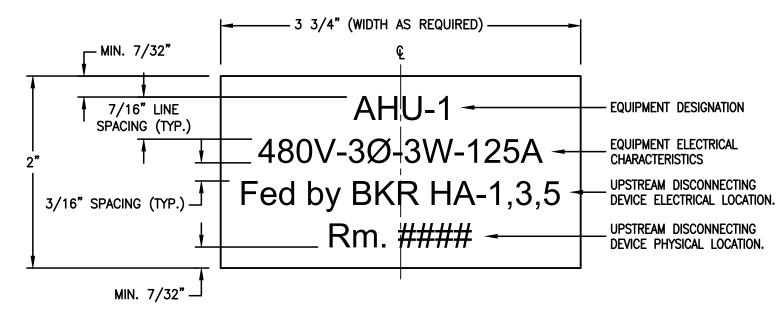


23 31 13-C

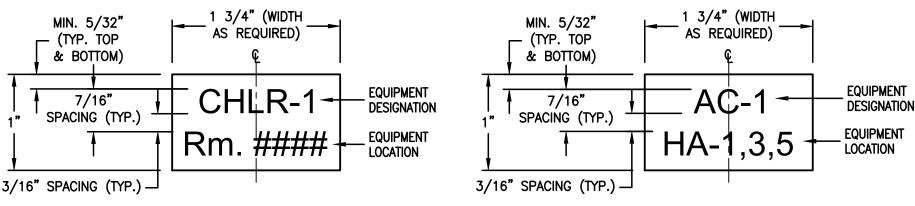
DIFFUSER DETAILS



SWITCHGEAR/SWITCHBOARD MAIN & PANELBOARD MAIN NAMEPLATE

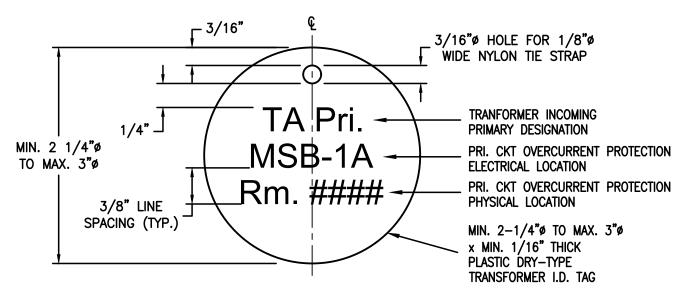


EQUIPMENT, VFD/MOTOR CONTROLLER, DSC, SW, ETC., NAMEPLATE

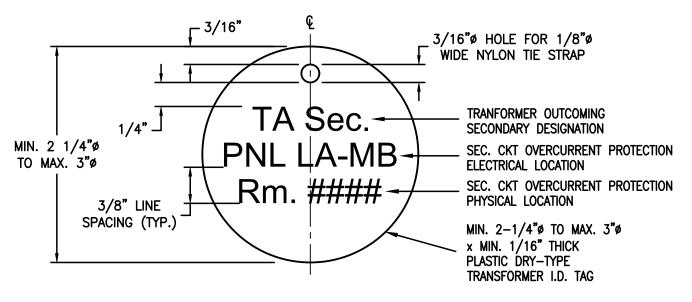


SWITCHGEAR/SWITCHBOARD & LARGE DISTRIBUTION
PANELBOARD CIRCUIT BREAKER NAMEPLATE

MOTOR RATED & SMALL SWITCHES' NAMEPLATE



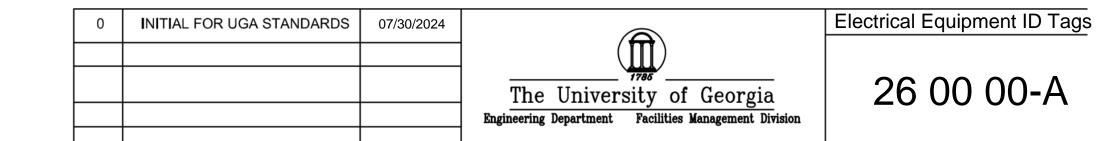
DRY-TYPE TRANSFORMER PRIMARY NAMEPLATE

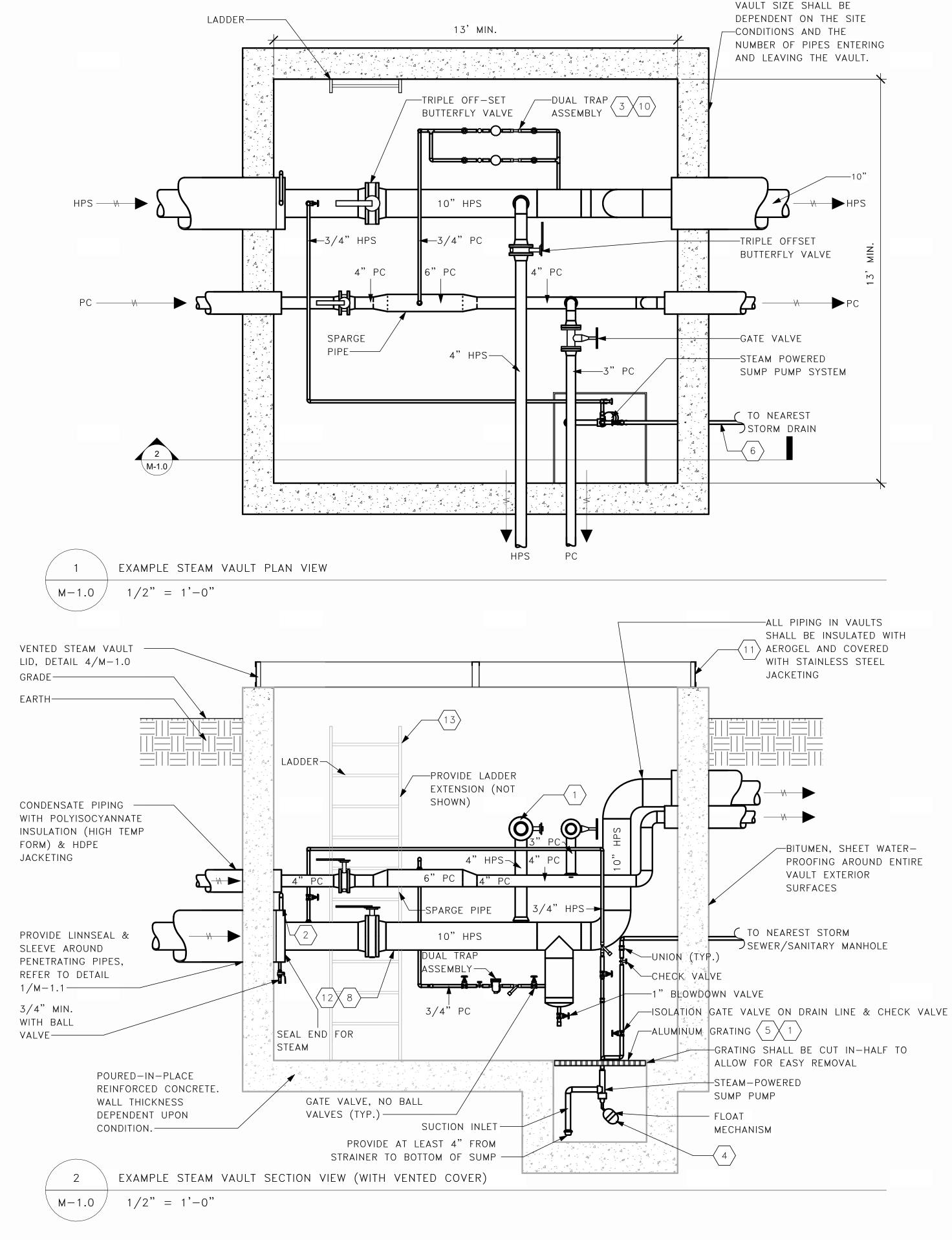


DRY-TYPE TRANSFORMER SECONDARY NAMEPLATE

GENERAL NOTES (THIS DETAIL ONLY):

- 1. ATTACH I.D. NAMEPLATE PERMANENTLY TO ELECTRICAL PANELBOARD DOOR, EQUIPMENT (DISCONNECT, ENCLOSED CB, MOTOR CONTROLLER/STARTER, PANEL, TRANSFORMER, VFD, ETC.) OUTER FACE WITH PERMANENT, WATERPROOF MASTIC OR EPOXY.
- 2. I.D. NAMEPLATES SHALL BE BLACK BACKGROUND FOR NORMAL POWER, RED BACKGROUND FOR EMERGENCY POWER, & HAVE WHITE 1/4" HIGH BLOCK LETTERING.
- 3. SIZE WIDTH AS REQUIRED TO SHOW ALL REQUIRED INFORMATION.
- 4. SEE ELECTRICAL SPECIFICATION SECTION '26120' FOR ADDITIONAL ELECTRICAL IDENTIFICATION INFORMATION.
- 5. UPPER PLATE APPLIES TO SWGR/SWBD MAINS & PANELBOARDS, MIDDLE PLATE APPLIES TO EQUIPMENT (DSC, ENCLOSED CB, MOTOR CONTROLLER/STARTER, CONTROL PANEL, TRANSFORMER, VFD, WIREWAY/GUTTER, ETC.), & LOWER PLATES APPLY TO SWGR, SWBD, OR LARGE DISTRIBUTION PANELS' (>/= 800A) INDIVIDUAL CIRCUIT BREAKERS, & MOTOR RATED SWITCHES.
- 6. BLDG. INTERIOR I.D. PLATE SHALL BE MADE FROM HIGH-IMPACT RESISTANT ABS (ACRYLONITRILE BUTADIENE STYRENE) OR PHENOLIC PLASTIC MIN. 1/16" THICK.
- 7. BLDG. EXTERIOR I.D. PLATE SHALL BE MADE FROM UV RESISTANT HIGH-IMPACT RESISTANT ABS (ACRYLONITRILE BUTADIENE STYRENE) PLASTIC OR PHENOLIC MIN. 1/16" THICK, OR MIN. 1/16" THICK S.S. w/ ETCHED BLOCK LETTERING.
- 8. INDOOR DRY-TYPE TRANSFORMER NAMEPLATES SHALL HUNG FROM BOTH INCOMING PRI. & OUTGOING SEC. SIDE CONDUITS WITH MIN. 1/8" NYLON TIE STRAPS. INSTALL MIN. 6" AWAY FROM TRANSFORMER ENCLOSURE TO AVOID MELTING OF PLASTIC OR PHENOLIC PLATE.

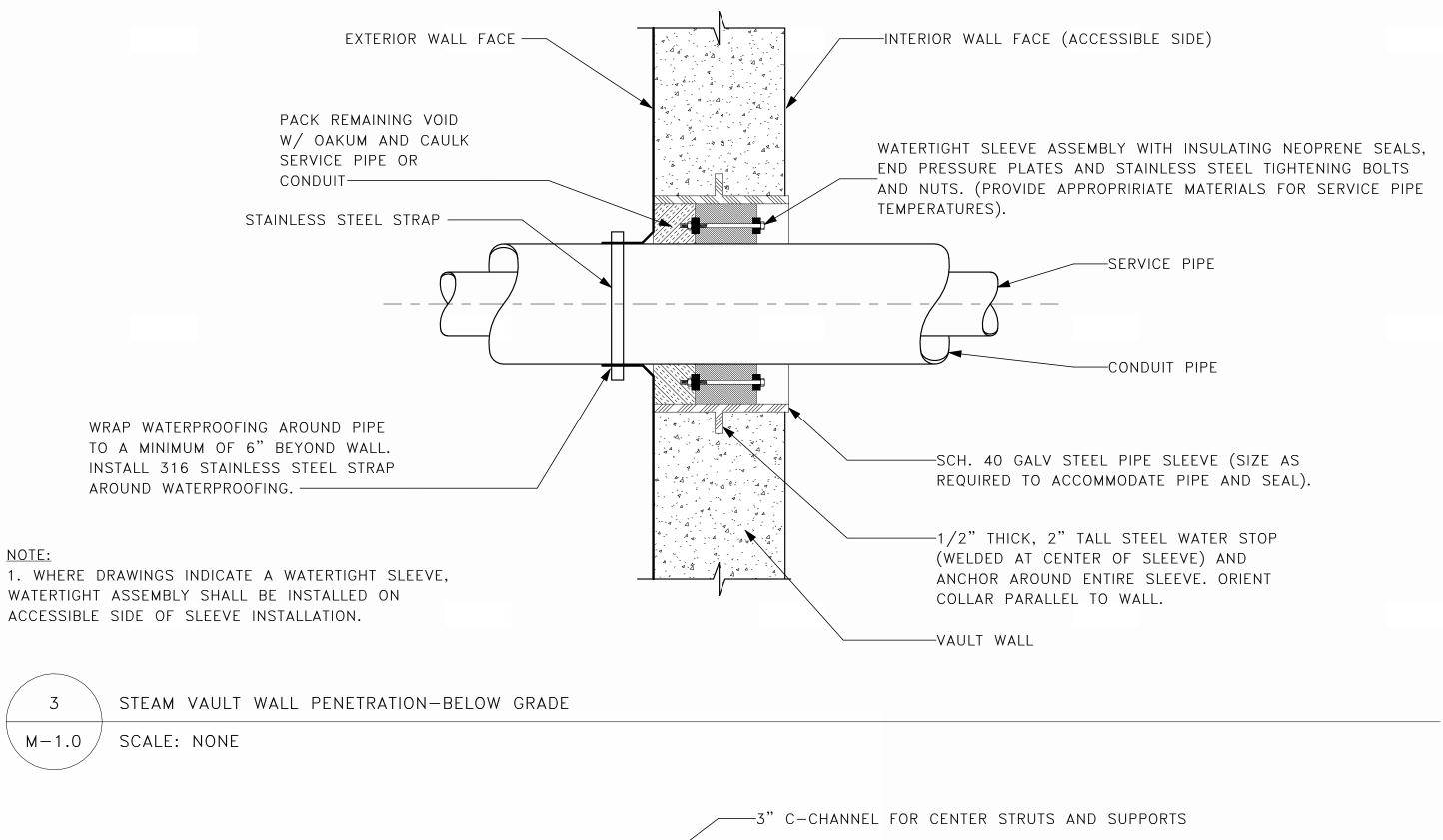


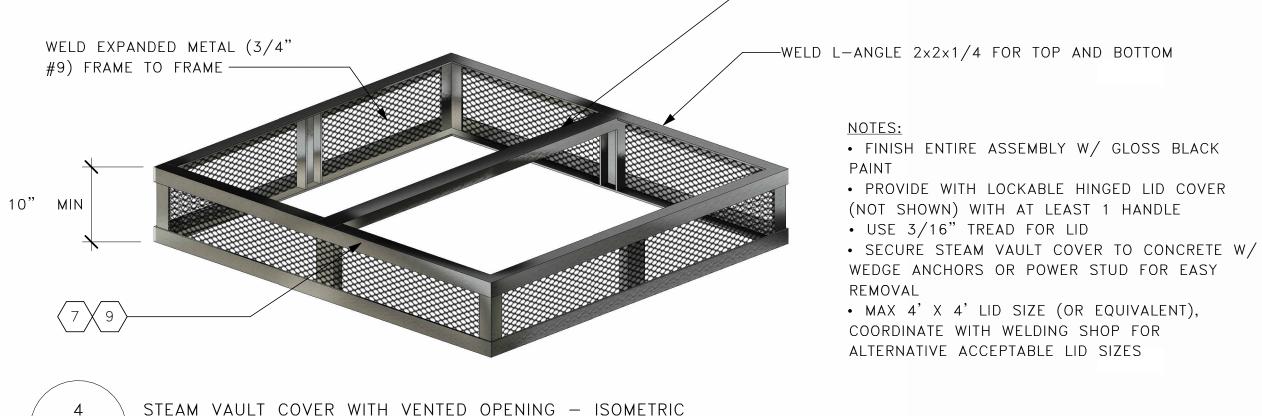


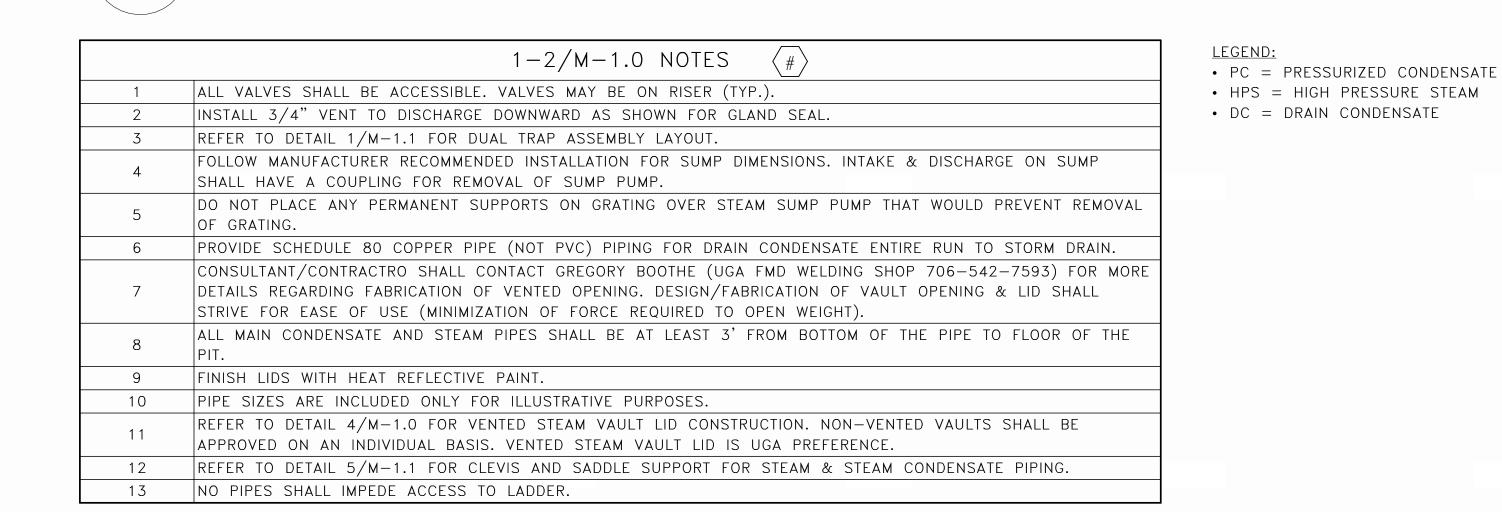
GENERAL NOTES:

1. THESE DETAILS ARE FOR REFERENCE ONLY AND ARE INTENDED TO CONVEY UGA'S PREFERENCES AND EXPECTATIONS. THE DESIGN CONSULTANT WILL BE EXPECTED TO CREATE THEIR OWN ENGINEERED DRAWINGS AND DETAILS APPROPRIATE FOR THE SITE AND CONDITIONS.

2. IN ADDITION NOT THESE DRAWINGS, THE DESIGN CONSULTANT SHOULD REFER TO UGA'S POSTED, ONLINE SPECIFICATIONS, SPECIFICALLY: 23 22 13 STEAM AND CONDENSATE HEATING PIPING; 23 22 16 STEAM AND CONDENSATE HEATING PIPING SPECIALTIES; 33 00 00 GENERAL UTILITIES REQUIREMENTS; 33 60 00 HYDRONIC AND STEAM ENERGY UTILITIES.

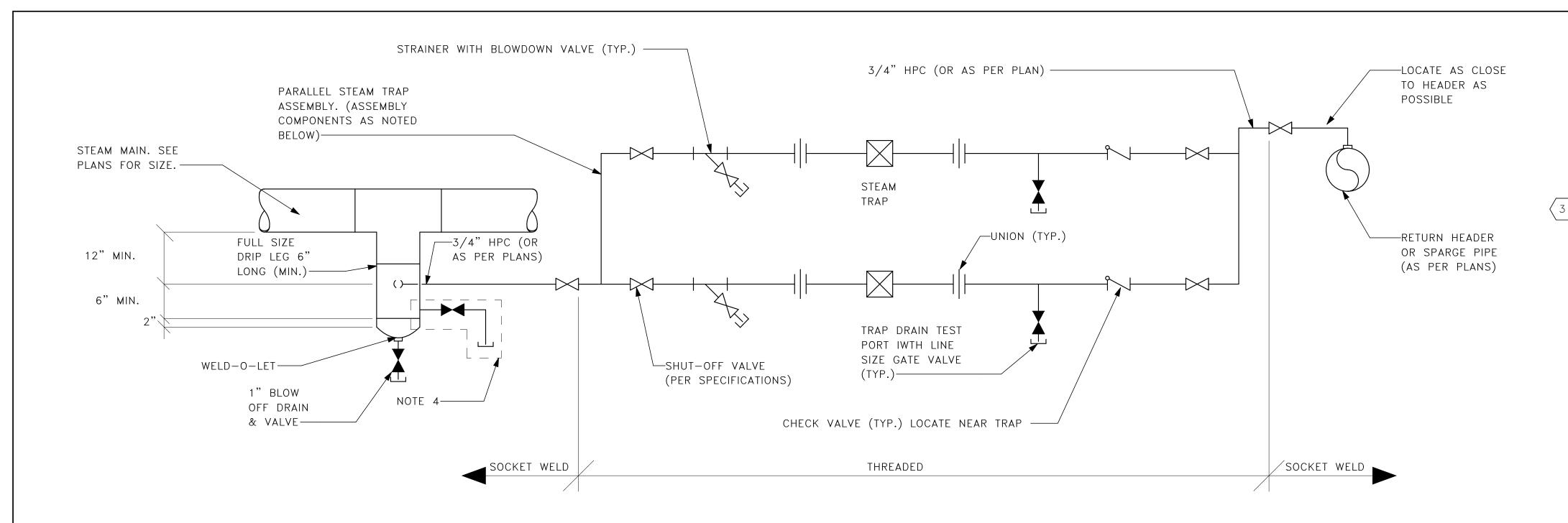






M-1.0 / SCALE: NONE

PROJECT REFERENCE: BUILDING NUMBER UGA RVT FILE Revit_Details.rvt BID NO. DRAWN JOB NO. REVISIONS DETAIL DRAWING IVG/ATC DESIGNED SHEET IVG/ATC THE UNIVERSITY OF GEORGIA STANDARD CHECKED STANDARD EJS 33 60 00-A The University of Georgia DATE STEAM VAULT EXAMPLE Engineering Department Facilities Management Division 12/12/2022

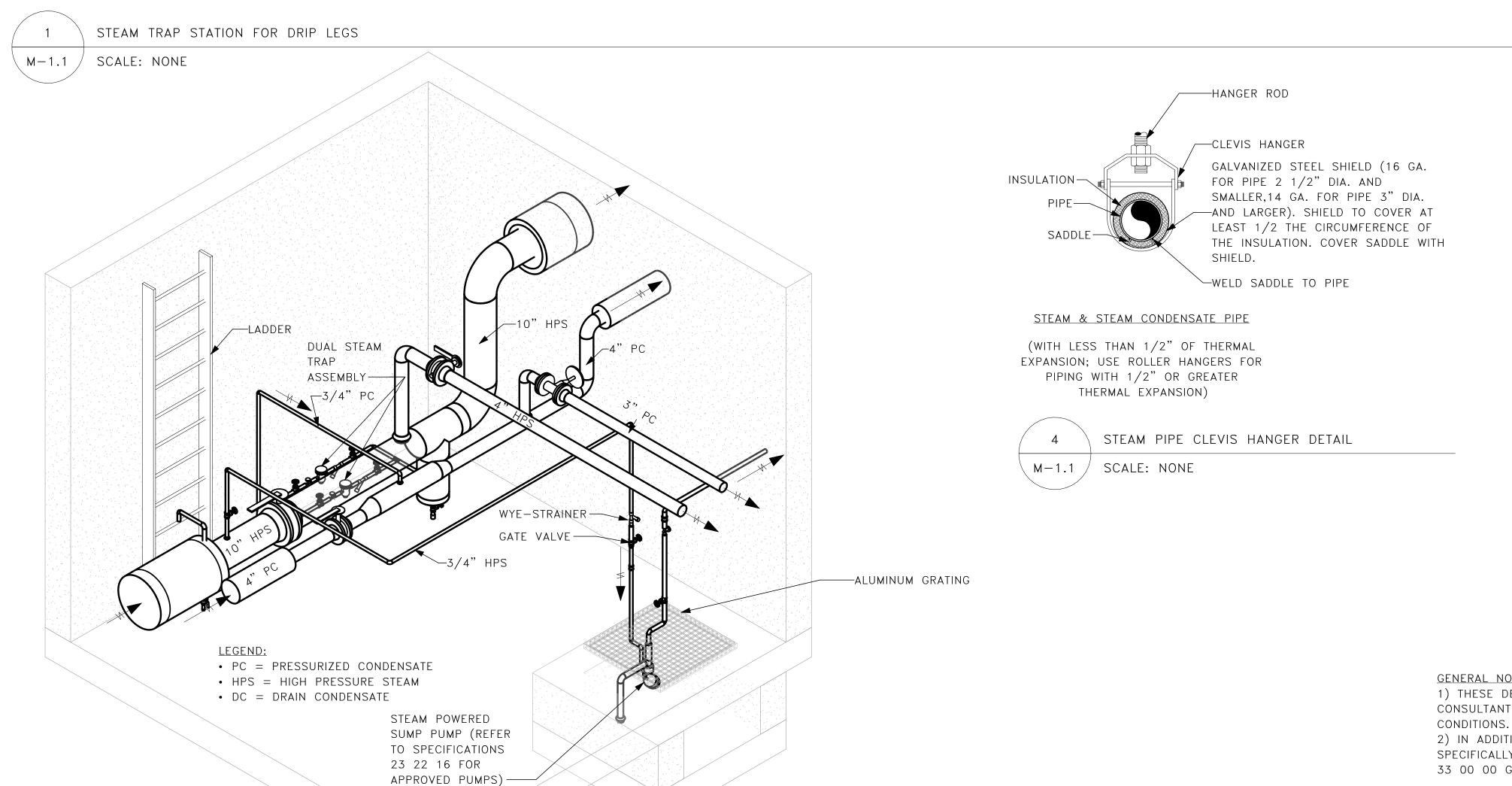


- 1. FOR STEAM PIPING 6" AND BELOW, USE SAME DIAMETER DRIP LEG AND USE TEE CONNECTION FOR DRIP LEG. FOR STEAM PIPING GREATER THAN 6", PROVIDE DRIP LEG WITH DIAMETER OF 2 PIPE SIZES LESS THAN STEAM PIPE BUT NOT LESS THAN 6" DIAMETER AND CONNECT WITH WELD-O-LET DOWNSTREAM OF ELBOW.
- 2. INSULATE STEAM TRAP STATION WITH REMOVABLE BLANKET PER SPECIFICATIONS SECTION 23 22 16.
- 3. BOTTOM OF DRIP LEG SHALL BE MINIMUM OF 12" A.F.F.

EXAMPLE STEAM VAULT - ISOMETRIC

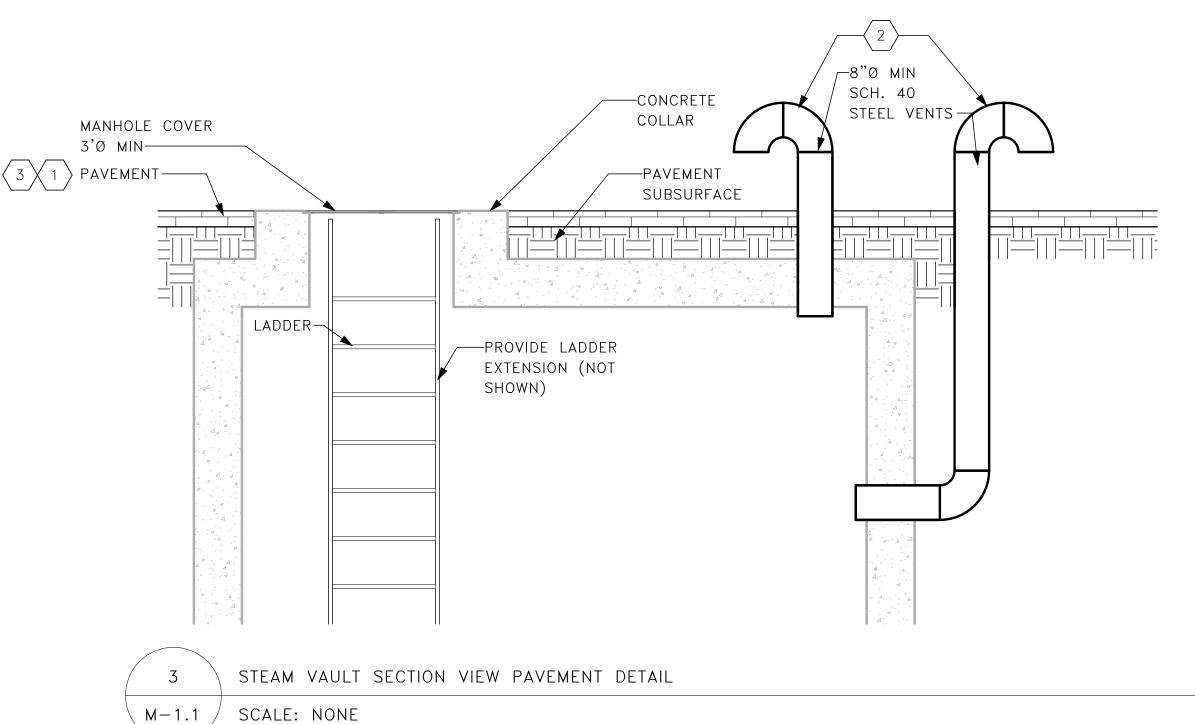
M-1.1 / SCALE: NONE

- 4. WHERE SPACE DOES NOT ALLOW DRAIN INSTALLATION ON BOTTOM OF DRIP LEG, DRAIN MAY BE INSTALLED ALTERNATIVELY ON SIDE OF DRIP LEG.
- 5. ISOLATION VALVES ON TRAPS' ASSEMBLY SHALL BE GATE VALVES. BALL VALVES ARE NOT PERMITTED.

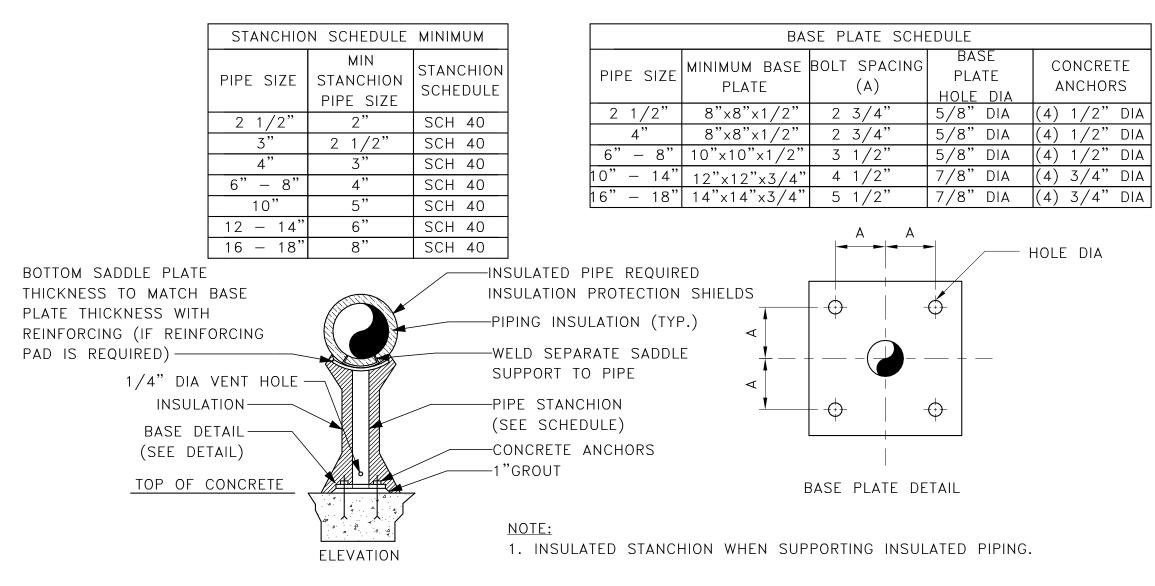


• PC = PRESSURIZED CONDENSATE • HPS = HIGH PRESSURE STEAM

• DC = DRAIN CONDENSATE



	$3/M-1.1$ NOTES $\langle \# \rangle$
1	REFER TO UGA STANDARDS SECTION 32 12 16 FOR ASPHALT PAVING STANDARDS INCLUDING MINIMUM CONCRETE COLLAR DIMENSIONS.
2	8"Ø SCH. 40 STEEL VENTS REQUIRED ONLY FOR STEAM VAULTS WITHOUT VENTED LIDS (TYP.). END OF PIPE TO INCLUDE STAINLESS STEEL SCREEN TO PREVENT ANIMAL AND INSECT ACCESS.
3	FOR VAULTS WITH ACCESS IN SIDEWALK AREA, PROVIDE RATED VAULT LID IN SIDEWALK IN ACCORDANCE WITH LIGA GUIDE SPECIFICATION SECTION 32 16 23



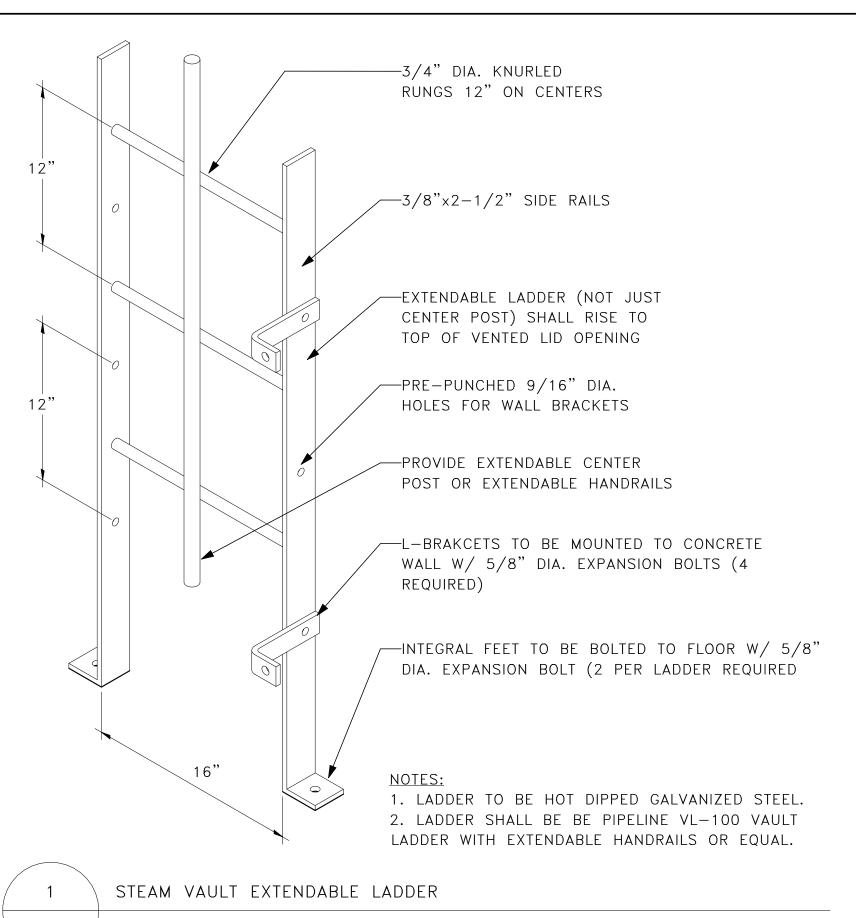
PIPE STANCHION ANCHOR SADDLE SUPPORT M-1.1 / SCALE: NONE

GENERAL NOTES

1) THESE DETAILS ARE FOR REFERENCE ONLY AND ARE INTENDED TO CONVEY UGA'S PREFERENCES AND EXPECTATIONS. THE DESIGN CONSULTANT WILL BE EXPECTED TO CREATE THEIR OWN ENGINEERED DRAWINGS AND DETAILS APPROPRIATE FOR THE SITE AND

2) IN ADDITION NOT THESE DRAWINGS, THE DESIGN CONSULTANT SHOULD REFER TO UGA'S POSTED, ON-LINE SPECIFICATIONS, SPECIFICALLY: 23 22 13 STEAM AND CONDENSATE HEATING PIPING, 23 2216 STEAM AND CONDENSATE HEATING PIPING SPECIALTIES, 33 00 00 GENERAL UTILITIES REQUIREMENTS, 3360 00 HYDRONIC AND STEAM ENERGY UTILITIES.

PROJECT REFERENCE:				BUILDI	NG NUMBER UGA RVT FILE Revit_Detail.rvt	BID NO.	
		DEMICIO	MC			DRAWN	JOB NO.
		REVISIONS		DETAIL DRAWING	IVG/ATC	_	
	#	Note	INI	Date		DESIGNED	SHEET
	0	STANDARD	IVG	12/12/2022	THE UNIVERSITY OF GEORGIA	IVG/ATC	
	1	STANDARD	IVG	09/01/2023		CHECKED	-
The Hairmannita of Councie	2	STANDARD	IVG	10/20/2023		EJS	33 60 00-A
The University of Georgia						DATE	$ \frac{1}{2}$
Engineering Department Facilities Management Division					STEAM VAULT EXAMPLE	12/12/2022	_



 \backslash M-1.2 / SCALE: NONE

BUILDING NUMBER UGA RVT FILE Revit_Detail.rvt BID NO. PROJECT REFERENCE: DRAWN REVISIONS DETAIL DRAWING IVG/ATC DESIGNED SHEET IVG/ATC CHECKED STANDARD THE UNIVERSITY OF GEORGIA STANDARD The University of Georgia

Engineering Department Facilities Management Division STANDARD EJS 33 60 00-A DATE 12/12/2022 STEAM VAULT EXAMPLE