

IARK	RTU - 1 and RTU-2	
AREA	RETAIL SPACE	
BTUH SENSIBLE	107,000	
BTUH TOTAL	145,000 (12.5-TONS)	
ENTERING DB / WB	77.7 / 65.3	
AMBIENT TEMP .	95° F	
SUPPLY CFM	5,000	
EXTERNAL SP.	0.8	
OSA CFM	REFER TO PLANS	
FAN H.P.	3.7	
HEAT Kw	31.8	
VOLTAGE / PHASE	208 / 3	
MCA	128	
FUSE SIZE	150	
EER (IEER)	11.0(12.4)	
REFRIGERANT	R-410A	
MODEL NO.	50TC-D14	
MANUFACTURER	CARRIER	
UNIT WEIGHT	1,500 lbs (max - confirm by vendor)	
 PROVIDE FILTER RA AT END OF JOB SETS OF SPARE PROVIDE SOLID-STA CONDENSER FA PROVIDE 5-MINUTE PREVENT COMP INSTALL UNIT PER I AND GUIDELINE PROVIDE UNIT WITH CONNECTION UNIT DISCONNECT BY DIV-16 (ELEC 7. PROVIDE FACTORY AUTOMATIC DAI DAMPER WITH E ENTHALPY SENS 	1,500 lbs (max - confirm by vendor) RIES REQUIRED WITH UNITS: ACK w/2" 30-35% FILTERS. REPLACE AND PROVIDE (2) ADDITIONAL E FILTERS TO OWNER ATE HEAD PRESSURE CONTROL ON IN FOR LOW AMBIENT CONTROL SOLID STATE DELAY CONTROL TO PRESSOR FROM SHORT CYCLING MANUFACTURER'S SPECIFICATIONS S H ELECTRIC HEAT AND SINGLE POINT AND CONVENIENCE OUTLET PROVIDED	

T RTU-1 AND RTU-2. PROVIDE AND INSTALL NEW PACKAGE ROOF-TOP UNIT. SEE SCHEDULE FOR UNIT INFORMATION. 2 SMOKE DETECTOR TO BE INSTALLED IN SUPPLY AIR DUCTWORK FOR ROOF-TOP UNITS. FIELD COORDINATE WITH FIRE ALARM SYSTEM USED AND LOCAL CODES. (3) INSTALL CONCENTRIC DIFFUSER KIT BY YORK TO FIT CARRIER UNITS. INCLUDE FACTORY INSTALLED TRANSITION ADAPTER AT RTU. COORDINATE WITH LIGHT FIXTURES. SUPPLY REGISTER MOUNTED ON DUCTWORK. BALANCE AT 4,000 cfm EACH. EXHAUST FAN TO BE MOUNTED ON CEILING w/DUCTWORK ROUTED TO SIDEWALL. PROVIDE STORM PROOF WALL CAP w/BACKDRAFT DAMPER (TYP.). $\langle 6 \rangle$ 8"Ø EXHAUST DUCT TO WALL CAP. (7) WALL CAP w/BACKDRAFT DAMPER.

8 8"Ø DUCT (w/DAMPERS) SPLIT TO TWO 4"Ø DUCTS. (9) FIRE DAMPER AT WALL (SEE DETAILS M2)

SY	SYMBOL LEGEND				
EXHAUST FAN					
\square	SUPPLY AIR DIFFUSER				
TS	TEMPERATURE SENSOR				
~ ~	RETURN/EXHAUST AIRFLOW				
-	SUPPLY AIRFLOW				
L	VOLUME DAMPER				
CD	CONDENSATE PIPE				
	FIRE DAMPER (FD)				

		AIR	DEVICE S	SCHEDULE				
	GENERAL					CO	NSTRUCTI	S
MARK	TYPE	FUNCTION	FRAME SIZE	PATTERN	MATERIAL	FINISH	MFG.	
CD	CEILING DIFFUSER	SUPPLY	12x12	LOUVERED FACE	ALUMINUM	WHITE	PRICE	
SD	SIDEWALL DIFFUSER	SUPPLY	SEE PLANS	LOUVERED FACE	STEEL	WHITE	PRICE	
SWR	SIDEWALL GRILLE	RETURN	SEE PLANS	BLADES	STEEL	WHITE	PRICE	
NOTE:	1 PROVIDE WITH OPPOS	ED BLADE DAMPER	R.					

	EXHAUST FAN SCHEDULE											
UNIT NO.	SERVICE	LOCATION	CFM	E.S.P. (IN W.G.)		TRICAL D	-	R.P.M. HI/LO	SONES	DRIVE	MANUFACTURER MODEL NUMBER	REMARKS
EF-1	TOILET	CEILING	110	.125	156	120	1	-	4.0	DIRECT	NUTONE #672R	1, 2, 3, 4, 5
EF-2	TOILET	CEILING	110	.125	156	120	1	-	4.0	DIRECT	NUTONE #672R	1, 2, 3, 4, 5
-	-	-	-								-	
	REMARKS: 1. PROVIDE UNIT MOUNTED DISCONNECT 2. PROVIDE BACKDRAFT DAMPER & WALL CAP TO SERVE BOTH FANS 3. PROVIDE SPEED CONTROLLER 4. INTERLOCK FAN WITH LIGHT SWITCH BY ELECTRICIAN 5. FANS TO BE U.L. LISTED & AMCA CERTIFIED.											

NOTES AND SPECIFICATIONS

- 1. ALL MECHANICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODES, NFPA-90A, ALONG WITH ALL LOCAL LAWS AND ORDINANCES AND IN A MANNER SATISFACTORY TO THE OWNER AND AUTHORITY HAVING JURISDICTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND PAY ALL APPLICABLE FEES.
- 2. CARRIER PACKAGED HVAC SYSTEMS ARE REQUIRED (NO SUBSTITUTIONS ALLOWED). ALL HVAC EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTALLATION GUIDE. CONTACT HASAN KHALIL AT CARRIER CORPOATION NAT'L ACCOUNTS AT (315) 432-7655 OR EMAIL AT HASAN.KHALIL@CARRIER.COM.
- 3. PROVIDE CONCENTRIC DIFFUSER KIT AS SPECIFIED BY DOLLAR GENERAL NATIONAL ACCOUNTS HVAC MANUFACTURERS. (NO EXCEPTIONS PERMITTED). CONCENTRIC DIFFUSER KIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. CONCENTRIC DIFFUSER SHALL BE HARD DUCTED FROM HVAC UNIT, THE USE OF FLEXIBLE DUCT DROPS ARE NOT ALLOWED, NO EXCEPTIONS.
- 4. ALL CONDENSATE TO BE SCHEDULE 40 PVC WITH PIPE SUPPORTS AT 4-FEET INTERVALS AND SUPPORTS CLIPPED DOWN TO STANDING SEAMS ON METAL ROOF SYSTEM (SEE DETAILS).
- 5. SMOKE DETECTORS ARE REQUIRED FOR EACH HVAC UNIT. HVAC CONTRACTOR TO INSTALL IN SUPPLY DUCT DROPS. DETECTORS TO BE FURNISHED AND WIRED BY OTHERS (REFER TO ELECTRICAL PLANS). VERIFY CURRENT ADOPTED STATE AND LOCAL CODE REQUIREMENTS FOR INSTALLATION AND MOUNTING LOCATION OF SMOKE DETECTOR.
- 6. COORDINATE WITH METAL BUILDING VENDOR ON PROVIDING ROOF CURBS FOR RTU'S. REFER TO SHEET S3, FOR GENERAL NOTES AND DETAILS FOR ROOF CURB INFORMATION (SHOWN ON M1 FOR REFERENCE). CURB TO BE BY ROOF CURB SYSTEMS, LLC. CONTACT GC FOR METAL BUILDING VENDOR AND INCLUDE COST OF CURBS IN PRICE.
- 7. ALL SUPPLY AND EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF RIGID GALVANIZED SHEET METAL AND BE FABRICATED ACCORDING TO THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK. SUPPLY, RETURN AND POSITIVE PRESSURE EXHAUST DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SMACNA SEAL CLASS C. INSULATE ALL SUPPLY AND RETURN DUCT DROPS TO CONCENTRIC DIFFUSERS WITH FIBERGLASS RIGID BOARD ON EXTERIOR (R-4.2) THAT IS ASTM-E84 COMPLIANT. INSULATE ROUND SUPPLY DUCT FOR OFFICE AREA WITH EXTERNAL FIBERGLASS DUCT WRAP (R-4.2) THAT IS UL-181 COMPLIANT.
- 8. TESTING OF HVAC UNITS THRU EMS PANEL IS ACCOMPLISHED BY WARMING UP OR COOLING DOWN A SPACE TEMPERATURE SENSOR AND WATCH THE FAN, HEAT AND COOL STAGES CYCLE ON AND OFF. THIS REQUIRES TWO PEOPLE AT ALL TIMES, ONE TO WATCH THE SCREEN AND THE OTHER TO WATCH OPERATION OF THE HVAC UNIT. WHEN COMPLETE, PRESS THE HOME BUTTON TO RETURN TO THE MAIN SCREEN.
- 9. COORDINATE HVAC SENSORS LOCATIONS WITH SHEET EMS1. LOCATE SPACE TEMPERATURE SENSORS AT 8'-0" A.F.F.
- 10. POWER TO HVAC UNITS LISTED IN PREFERENCE ORDER.
- 11. PROVIDE CEILING MOUNTED EXHAUST FAN FOR RESTROOMS, INTERLOCK WITH RESTROOM LIGHTS. EXHAUST FAN SHALL BE VENTED THRU SIDE WALL, NOT THRU THE ROOF.
- 12. CONCENTRIC DIFFUSERS, AVAILABLE THROUGH YORK, CAN BE USED ON ALL VENDOR'S EQUIPMENT. CONTACT YORK NATIONAL PRICING FOR INFORMATION. LOCATE THE BOTTOM OF DIFFUSER AT 12'-0" AFF. CONTACT NATIONAL ACCOUNTS AT 1-800-481-9738 OR EMAIL YORK-DOLLARGENERAL-BE@JCI.COM.

MECHANICAL KEYED NOTES:

SMOKE DETECTOR NOTES:

- THE DUCT SMOKE DETECTORS SHALL BE INSTALLED TO STOP THE FAN IN THE HVAC DUCT SYSTEM OVER 2,000cfm (RTU-1 AND RTU-2) DETECTORS WITH ALARMS TO BE FURNISHED AND WIRED BY OTHERS. REFER
- TO ELECTRICAL PLAN # E1 FOR SPECIFICATIONS OF DETECTORS. COORDINATE WITH ELECTRICIAN FOR FINAL LOCATIONS OF DETECTORS IN SUPPLY DUCT DROPS PER CODE.
- SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH FBC 2020 7th EDITION OF MECHANICAL CODE, SECTION 606.

EQUIPMENT LABEL SPECIFICATIONS:

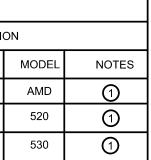
- ALL HVAC EQUIPMENT SHALL BE FURNISHED WITH BLACK LAMINATED PLASTIC LABEL w/WHITE ENGRAVED LETTERING AND FASTENED MECHANICALLY TO THE EQUIPMENT. LABEL SHALL HAVE THE FOLLOWING INFORMATION w/1/2" LETTERING:
- EQUIPMENT # SUITE/SPACE #

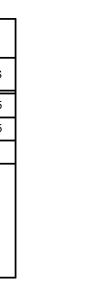
SEQUENCE OF OPERATION (A/C UNITS)

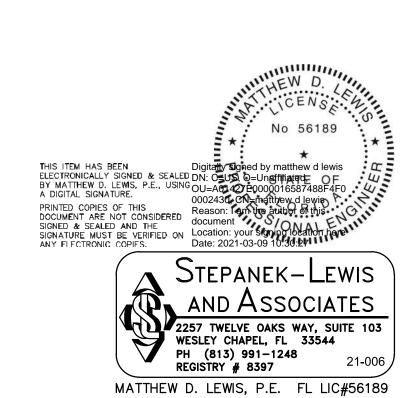
- SUPPLY FANS: THE EVAPORATOR FAN WILL RUN CONTINUOUSLY DURING OCCUPIED HOURS, AND CYCLE ON/OFF WITH COOLING/HEATING WHEN IN UN-OCCUPIED MODE, AS PROGRAMMED.
- OUTSIDE AIR DAMPER (RTU'S): OPEN WHEN EVAPORATOR RUNS (SEE ITEM "A" ABOVE) COOLING COIL: WHEN SPACE AIR TEMP IS ABOVE SETPOINT (75'F OCCUPIED/80'F UNOCCUPIED) THE COMPRESSOR SYSTEM SHALL ENERGIZE IN STAGES TO MAINTAIN
- SPACE SETPOINT. HEATING COIL: WHEN SPACE AIR TEMP IS BELOW SETPOINT (68'F OCCUPIED/60'F UNOCCUPIED) THE ELECTRIC HEATER WILL ENERGIZE IN STAGES TO MAINTAIN HEATING SPACE SETPOINT.

SEQUENCE OF OPERATION (EXHAUST FANS)

A. RESTROOM FAN: FAN WILL START AND RUN FULL SPEED WHEN OCCUPANCY SENSOR IS TRIGGERED.







JAN BLY REGISTERED RA LEED 3324 W. UNI PMB GAINESVILL AR9	AES ARCHITECT AP BD+C VERSITY AVE #151 E, FL. 32607 4452
THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT ASSUMED NO RESPONSIBILITY FOR THE ACCURACY OF THESE DRAWINGS FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION PROVIDED TO THE ARCHITECT. THOSE RELYING	ON THIS DOCUMENT ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY. ALL WORK SHALL COMPLY WITH ANY AND ALL APPLICABLE CODES AND ORDINANCES. SUPERINTENDENTS ARE TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL INFORMATION, DESIGN AND BUILDING TECHNIQUES HELD WITHIN ARE THE EXCLUSIVE PROPERTY OF THE PARTIES NOTED ON THIS TITLE-BLOCK.
	D D A N I E G 3917 NW 97TH BOULEVARD/ GAINESVILLE, FL 32606 LICENCE# CGC-1515491 FL 32606 FAX: 8000-218-7809 MWW.CONCEPTCOMPANIES.NET
DOLLAR GENERAL	SR 19 & CR 242 LAKE CITY, FL 32024 STORE #TBD 2019 PROTOTYPE - PLAN 'DGP-D' - 9,100 SQ. FT.
03/01/20 REVISION DATE PROJECT 4000	
DRAWIN MECHANI SHEE	

151A Fire Damper • I.O.M.

Foreword

MIAMI TECH INC.

This publication details the installation requirements for dynamic application fire dampers as manufactured by Miami Tech Inc. Use of this manual for systems or products not manufactured or supplied by Miami Tech Inc shall not be applicable.

All products covered by this manual have been tested in accordance with UL555 and are authorized to bear the UL classification mark for fire dampers. Specific Fire Damper model numbers and their corresponding UL file numbers may be found in UL's Fire Resistance Directory. Miami Tech Inc. Fire Dampers have meet current UL requirements for Dynamic Curtain Style Fire Dampers July 2002.

For specific fire damper location requirements, duct construction and connection or installation practices, refer to the following codes or standards:

NFPA Publications:

NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilation Systems

UL Publications:

UL555 - Standard for Safety, Fire Dampers, Dynamic Dampers 7/2002.

SMACNA Publications:

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems Guide HVAC Duct Construction Standards - Metal and Flexible

The Installation Instructions found within this manual have been specifically drawn and detailed to meet the requirements of UL555. Some jurisdictions may require additional or different installation methods; therefore, consult with the authority having jurisdiction for specific differences. For these cases, the requirements defined by the authority having jurisdiction will take precedence over the documents contained herein.

2 Miami Tech Inc. 3611 N.W. 74 Street • Miami, FL 33147 • 305-693-7054 • 305-693-6152 fax • www.miamitech.com

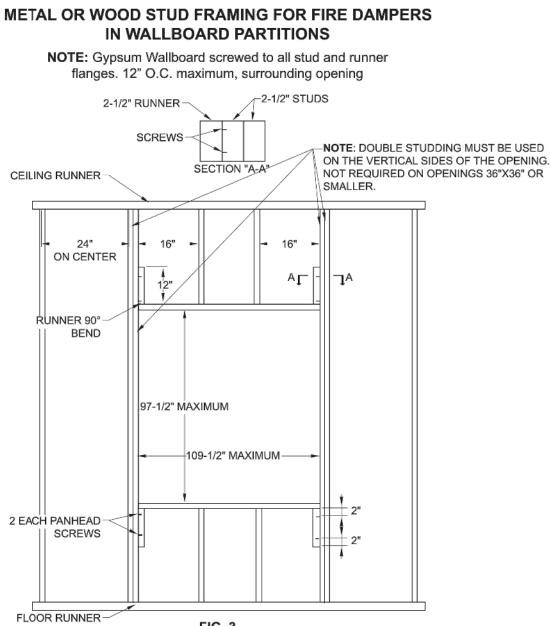


FIG. 3 MAXIMUM SIZE TABLE

HODE		Single	Section		Multiple Section					
MODEL	Vert	tical	Horiz	ontal	Vert	tical	Horizontal			
	Max. Width	Max. Height	Max. Width Max. Height		Max. Width	Max. Height	Max. Width	Max. Height		
MFD	60	60	40	40	120	120	80	40		
MFD3	48	48	40	40	-	-	80	40		
MDFD	36	36	18	18	-	-	36	36		
MDFD3	36	36	18	18	-	-	36	36		
MFDS	48	48	48	48	-	-	-	-		
MFDS3	48	48	48	48	-	-	-	-		
MDFDS	36	36	18	18	-	-	36	36		
MDFDS3	36	36	18	18	-	-	36	36		
MFDUS	48	48	-	-	-	-	-	-		
MFDUS3	48	48	-	-	-	-	-	-		
NOTE: For maximum single section sizes refer to maximum size table. For openings larger than given for single section, multip								ection, multiple		

dampers are required. For openings larger than given in multiple sections a 12" wide brick or reinforced mullion must be provided between adjacent assemblies.

4

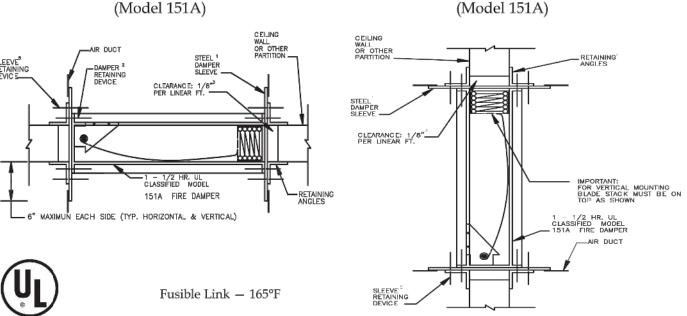
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MIAMI TECH INC

I.O.M. • 151A FIRE DAMPER

1/2003

Model 151A • 1.5 Hour Single Section Dynamic Fire Damper HORIZONTAL MOUNTING VERTICAL MOUNTING (Model 151A)



NOTES:

- 1. Sleeve shall be of the same or heavier gauge as the duct to which it is attached. Gauges shall conform to SMACNA or ASHRAE Duct Standards. When the following duct-sleeve connections are used, minimum gauge of the sleeve shall be 16 gauge on dampers not exceeding 24" wide x 24" high and 14 gauge on larger dampers: (a) angle reinforced standing seam, (b) angle reinforced pocket lock, (c) companion angle, or (d) metal fasteners spaced approximately 16" on center. Refer to the latest edition of UL 555 for connections which may be used in all systems.
- 2. Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maximum of 13/4" from the ends.
- 3. Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
- 4. Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners of opening.
- 5. The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more than 2" from the ends. Devices are to attach angle to sleeve only.
- 6. This installation is for dampers which are to be installed in masonry walls only. See Installation for Alternate Framing Methods on page 5, for wood stud and metal stud partition.
- 7. Connecting ducts shall be terminated at the sleeve or transition collar where a draw-band type breakaway joint is used.
- 8. Maximum duct size of single section Model 151A unit is 24" wide x 24" high.
- Miami Tech Inc. 3611 N.W. 74 Street Miami, FL 33147 305-693-7054 305-693-6152 fax www.miamitech.com 3

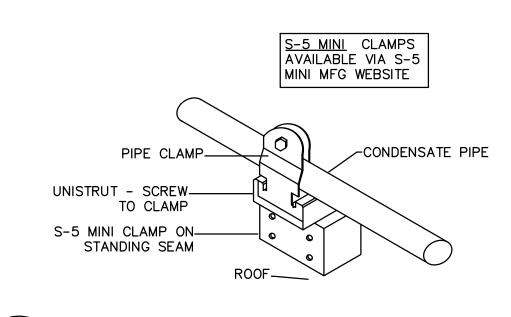
Model 150 & 151 • Alternate Framing Methods Fire Resistive Material (Dry Wall) Wood Stud Straps wrapped around metal stubs may be used on some UL approved fire damper assemblies in place of angle iron frames Fire Damper Sleeve NOTES: 1. Thickness and type of fire resistive material may vary with the jurisdiction. Specific framing requirements of

building permits.

MIAMI TECH INC

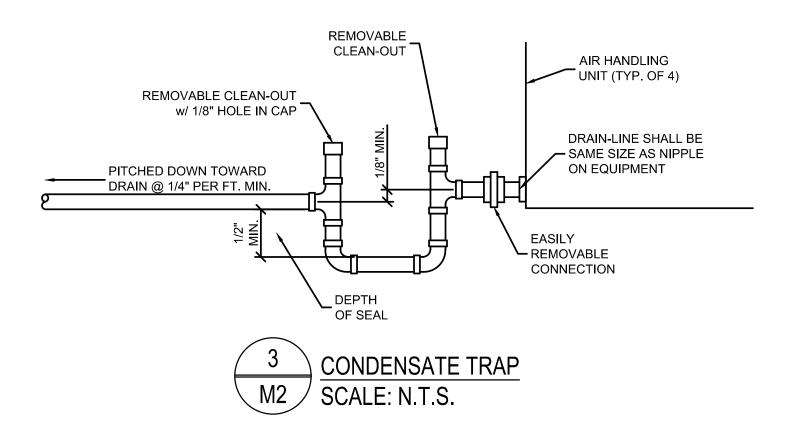
- 2. Sleeve shall be 14 gauge when the following duct-sleeve connection is: (a) angle reinforced standing seam, (b) angle Duct Standards.
- 3. Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 mum of 13/4" from the ends.
- 4. Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
- proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners of opening.
- 6. The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheet-
- than 2" from the ends. Devices are to attach angle to sleeve only. 7. For Horizontal Mount Dampers, the assembly is formed by using a full length 1/8" by 5" wide mullion plate with mullion plate.
- 8. For Vertical Mount Dampers, the damper frames are butted together and fastened with either No. $10 \times 3/4$ " long must be spaced at 4" on center and maximum of 3/4" from corners of dampers.
- 9. Connecting ducts shall be terminated at the sleeve. 10. Maximum duct size of single section vertical only unit is 24" wide x 24" high.

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S-5 MINI ROOF CONDENSATE PIPE SUPPORT (METAL BUILDING) $M2 / \overline{SCALE}: N.T.S.$



Alternate Framing Methods

Opening to be lined with ire Resistive Material of ating Equal to that on the Vall	
<u> </u>	
ptional lining of opening: ocal Authorities may require opening be lined with fire resistive material of ting equal to that on the wall for some re damper installations.	

openings should be provided in the architectural and structural drawings that are submitted for

reinforced pocket, (c) companion angles, (d) metal fasteners spaced approximately 16" on center. Refer to latest edition of UL 555 for connections with may be used in all systems. Gauges shall conform to SMACNA or ASHRAE

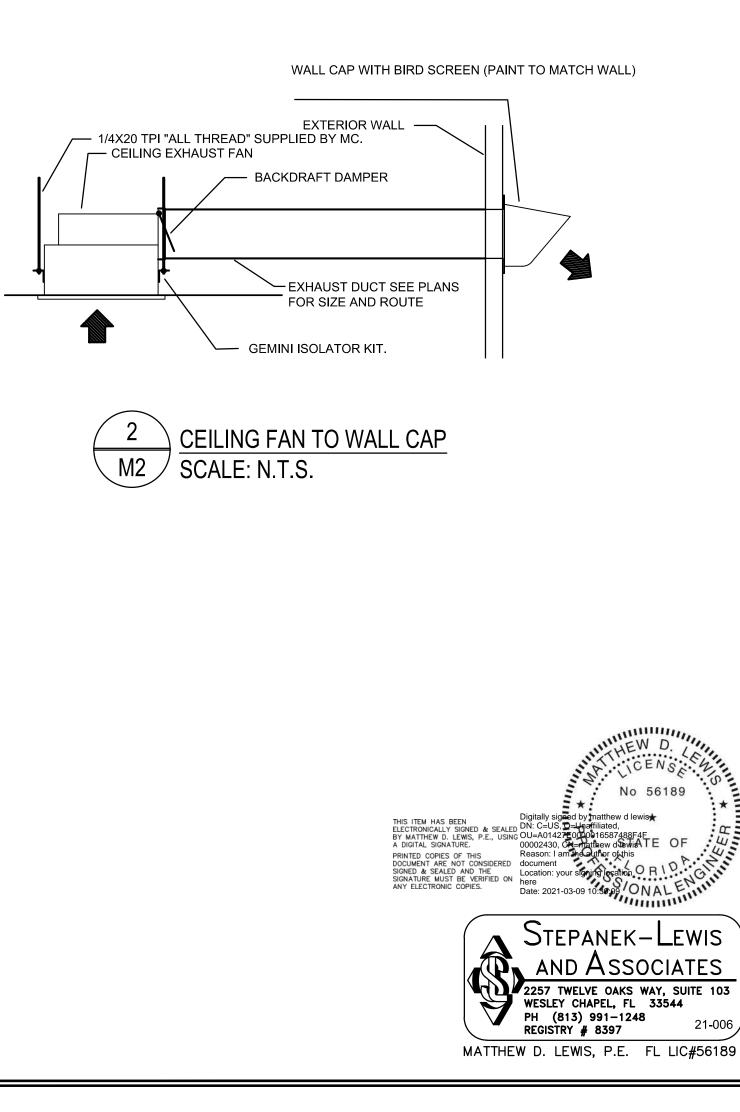
sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maxi-

5. Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size

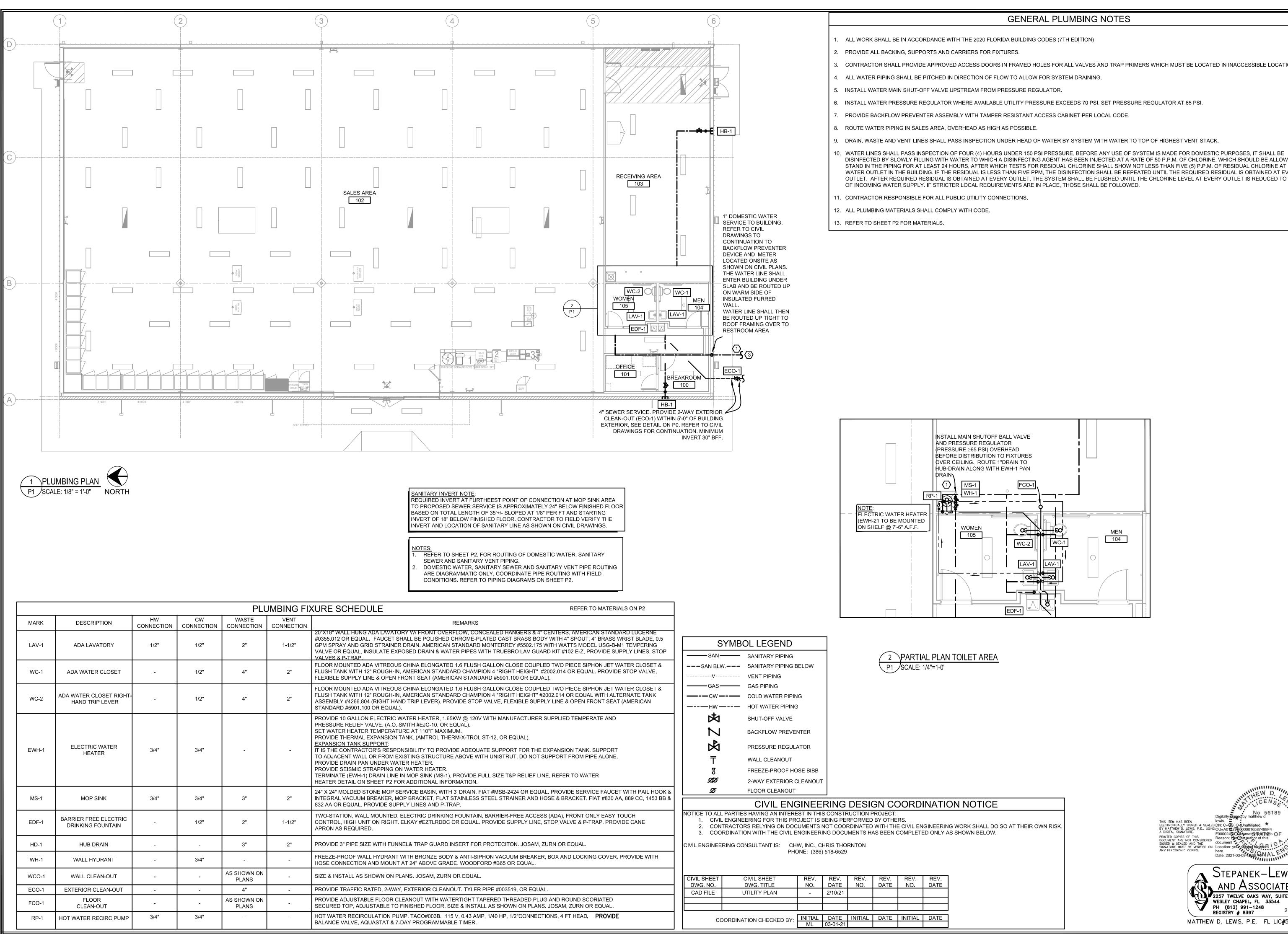
metal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more

1/4" diameter steel nuts and bolts, spaced 6" on center and a maximum of 3/4" from corners attaching frames to

sheetmetal screws, 1/4" diameter steel rivets, 1/4" diameter steel nuts and bolts, or 1/2" long welds all of which



JAMES BLYTHE REGISTERED ARCHITECT RA LEED AP BD+C 3324 W. UNIVERSITY AVE PMB#151 GAINESVILLE, FL. 32607 AR94452 U O 242 3202 СR Š 19 Ū SR ME DRAWING DATE: / DRAWN B) 03/01/2021 - JEM **REVISION DATE: / REVISED BY** PROJECT NUMBER: 4000.213 DRAWING TITLE FIRE DAMPER DETAILS SHEET NO 10



				PLU	JMBING FIX	KURE SCHEDULE
MARK	DESCRIPTION	HW CONNECTION	CW CONNECTION	WASTE CONNECTION	VENT CONNECTION	REMARKS
LAV-1	ADA LAVATORY	1/2"	1/2"	2"	1-1/2"	20"X18" WALL HUNG ADA LAVATORY W/ FRONT OVERFLOW, CONC #0355.012 OR EQUAL. FAUCET SHALL BE POLISHED CHROME-PLA GPM SPRAY AND GRID STRAINER DRAIN. AMERICAN STANDARD M VALVE OR EQUAL. INSULATE EXPOSED DRAIN & WATER PIPES WI VALVES & P-TRAP.
WC-1	ADA WATER CLOSET	-	1/2"	4"	2"	FLOOR MOUNTED ADA VITREOUS CHINA ELONGATED 1.6 FLUSH OF FLUSH TANK WITH 12" ROUGH-IN, AMERICAN STANDARD CHAMPIO FLEXIBLE SUPPLY LINE & OPEN FRONT SEAT (AMERICAN STANDA
WC-2	ADA WATER CLOSET RIGHT- HAND TRIP LEVER	-	1/2"	4"	2"	FLOOR MOUNTED ADA VITREOUS CHINA ELONGATED 1.6 FLUSH G FLUSH TANK WITH 12" ROUGH-IN, AMERICAN STANDARD CHAMPIC ASSEMBLY #4266.804 (RIGHT HAND TRIP LEVER). PROVIDE STOP V STANDARD #5901.100 OR EQUAL).
EWH-1	ELECTRIC WATER HEATER	3/4"	3/4"	-	-	PROVIDE 10 GALLON ELECTRIC WATER HEATER, 1.65KW @ 120V W PRESSURE RELIEF VALVE. (A.O. SMITH #EJC-10, OR EQUAL). SET WATER HEATER TEMPERATURE AT 110°F MAXIMUM. PROVIDE THERMAL EXPANSION TANK. (AMTROL THERM-X-TROL S <u>EXPANSION TANK SUPPORT</u> : IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUAT TO ADJACENT WALL OR FROM EXISTING STRUCTURE ABOVE WITH PROVIDE DRAIN PAN UNDER WATER HEATER. PROVIDE SEISMIC STRAPPING ON WATER HEATER. TERMINATE (EWH-1) DRAIN LINE IN MOP SINK (MS-1). PROVIDE FU HEATER DETAIL ON SHEET P2 FOR ADDITIONAL INFORMATION.
MS-1	MOP SINK	3/4"	3/4"	3"	2"	24" X 24" MOLDED STONE MOP SERVICE BASIN, WITH 3' DRAIN. FIA INTEGRAL VACUUM BREAKER, MOP BRACKET, FLAT STAINLESS S 832 AA OR EQUAL. PROVIDE SUPPLY LINES AND P-TRAP.
EDF-1	BARRIER FREE ELECTRIC DRINKING FOUNTAIN	-	1/2"	2"	1-1/2"	TWO-STATION, WALL MOUNTED, ELECTRIC DRINKING FOUNTAIN, CONTROL, HIGH UNIT ON RIGHT. ELKAY #EZTLRDDC OR EQUAL. P APRON AS REQUIRED.
HD-1	HUB DRAIN	-	-	3"	2"	PROVIDE 3" PIPE SIZE WITH FUNNEL& TRAP GUARD INSERT FOR F
WH-1	WALL HYDRANT	-	3/4"	-	-	FREEZE-PROOF WALL HYDRANT WITH BRONZE BODY & ANTI-SIPH HOSE CONNECTION AND MOUNT AT 24" ABOVE GRADE. WOODFO
WCO-1	WALL CLEAN-OUT	-	-	AS SHOWN ON PLANS	-	SIZE & INSTALL AS SHOWN ON PLANS. JOSAM, ZURN OR EQUAL.
ECO-1	EXTERIOR CLEAN-OUT	-	-	4"	-	PROVIDE TRAFFIC RATED, 2-WAY, EXTERIOR CLEANOUT. TYLER P
FCO-1	FLOOR CLEAN-OUT	-	-	AS SHOWN ON PLANS	-	PROVIDE ADJUSTABLE FLOOR CLEANOUT WITH WATERTIGHT TAF SECURED TOP, ADJUSTABLE TO FINISHED FLOOR. SIZE & INSTALI
RP-1	HOT WATER RECIRC PUMP	3/4"	3/4"	-	-	HOT WATER RECIRCULATION PUMP. TACO#003B. 115 V, 0.43 AMP BALANCE VALVE, AQUASTAT & 7-DAY PROGRAMMABLE TIMER.

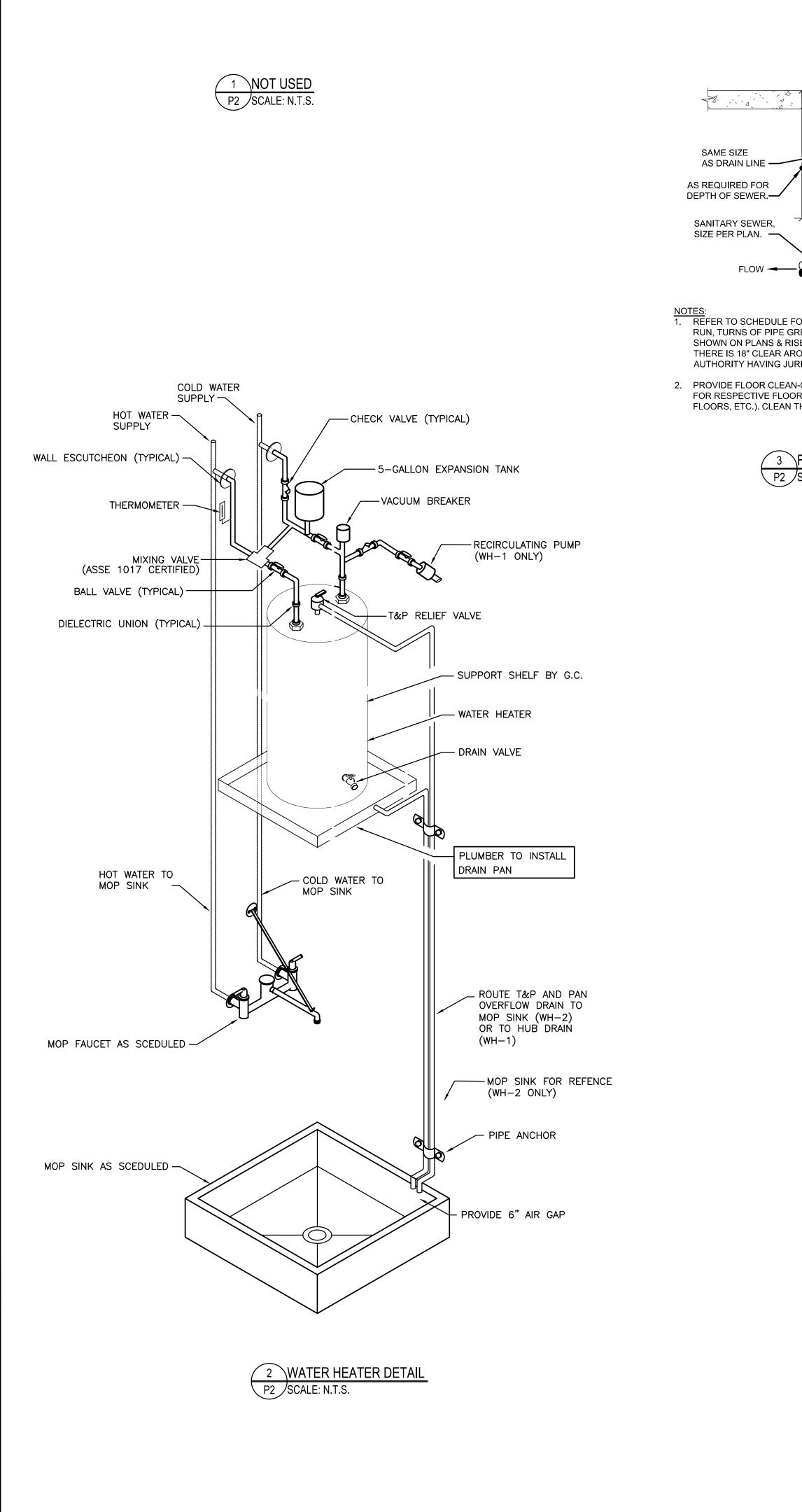
JAMES BLYTHE **REGISTERED ARCHITECT** RA LEED AP BD+C 3324 W. UNIVERSITY AVE PMB#151 GAINESVILLE, FL. 32607 3. CONTRACTOR SHALL PROVIDE APPROVED ACCESS DOORS IN FRAMED HOLES FOR ALL VALVES AND TRAP PRIMERS WHICH MUST BE LOCATED IN INACCESSIBLE LOCATIONS. AR94452 DISINFECTED BY SLOWLY FILLING WITH WATER TO WHICH A DISINFECTING AGENT HAS BEEN INJECTED AT A RATE OF 50 P.P.M. OF CHLORINE, WHICH SHOULD BE ALLOWED TO STAND IN THE PIPING FOR AT LEAST 24 HOURS, AFTER WHICH TESTS FOR RESIDUAL CHLORINE SHALL SHOW NOT LESS THAN FIVE (5) P.P.M. OF RESIDUAL CHLORINE AT EVERY WATER OUTLET IN THE BUILDING. IF THE RESIDUAL IS LESS THAN FIVE PPM, THE DISINFECTION SHALL BE REPEATED UNTIL THE REQUIRED RESIDUAL IS OBTAINED AT EVERY OUTLET. AFTER REQUIRED RESIDUAL IS OBTAINED AT EVERY OUTLET, THE SYSTEM SHALL BE FLUSHED UNTIL THE CHLORINE LEVEL AT EVERY OUTLET IS REDUCED TO THAT

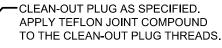


MATTHEW D. LEWIS, P.E. FL LIC#56189

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BOLLAR GENERAL SR 19 & CR 242 LAKE CITY, FL 32024 STORE #TBD 2019 PROTOTYPE - PLAN 'DGP-D' - 9,100 SQ. FT.
DRAWING DATE: / DRAWN BY: 03/01/2021 - JEM REVISION DATE: / REVISED BY: PROJECT NUMBER: 4000.213 DRAWING TITLE: PLUMBING PLAN

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- FLOOR SLAB ON GRADE

- MEMBRANE CLAMP
- LONG SWEEP ELBOW AT END, OR TURN OF RUN.
- COMBINATION WYE AND EIGHTH BEND IN RUN. REDUCING TYPE IF REQUIRED. ENTER TOP OF PIPE.

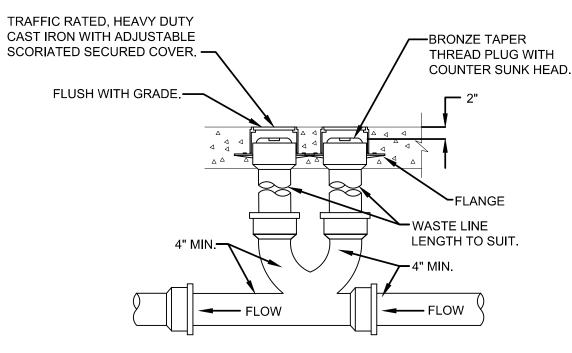
NOTES: 1. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. LOCATE FLOOR CLEAN-OUT AT END OF RUN, TURNS OF PIPE GREATER THAN 45°, 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS & RISERS. PROVIDE BACKFILL AS REQUIRED. LOCATE CLEAN-OUT WHERE THERE IS 18" CLEAR AROUND, FOR ACCESSIBILITY. COORDINATE WITH LOCAL CODES AND AUTHORITY HAVING JURISDICTION FOR ANY ADDITIONAL REQUIREMENTS.

2. PROVIDE FLOOR CLEAN-OUT WITH ADJUSTABLE COVER. CLEAN-OUT COVER SHALL BE SUITABLE FOR RESPECTIVE FLOOR COVERING (RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS, ETC.). CLEAN THE TOP OF EXPOSED FLOOR CLEAN-OUT AFTER INSTALLATION.

3 FLOOR CLEANOUT

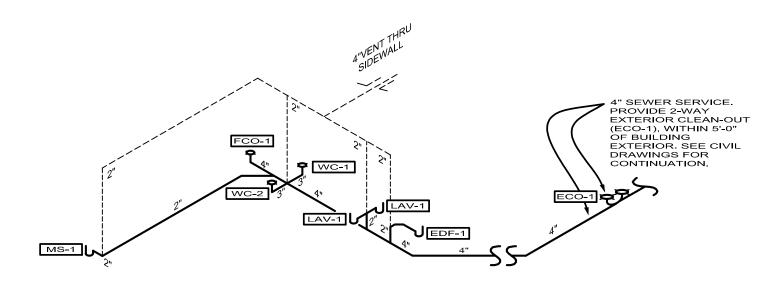
P2 /SCALE: N.T.S

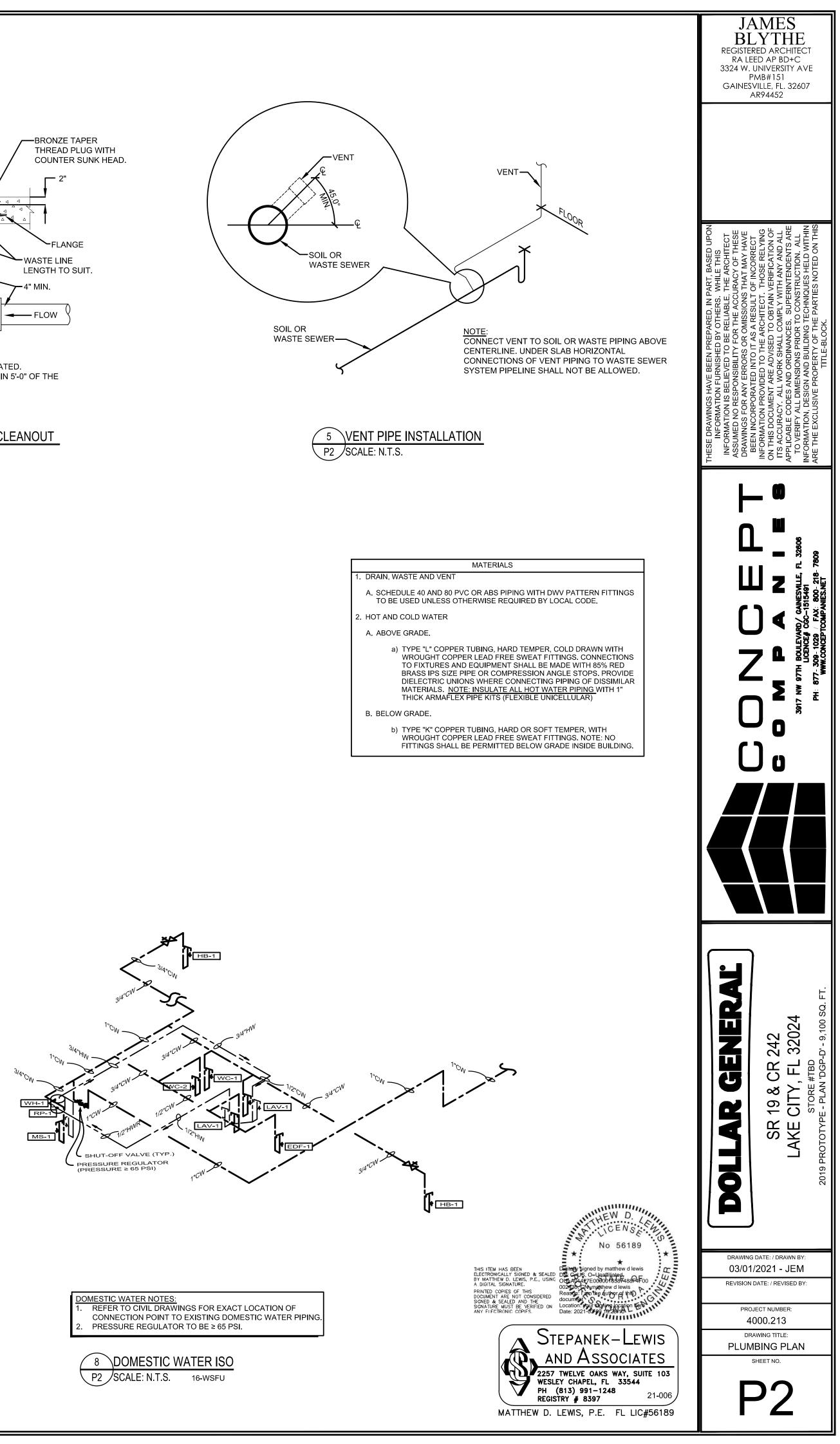
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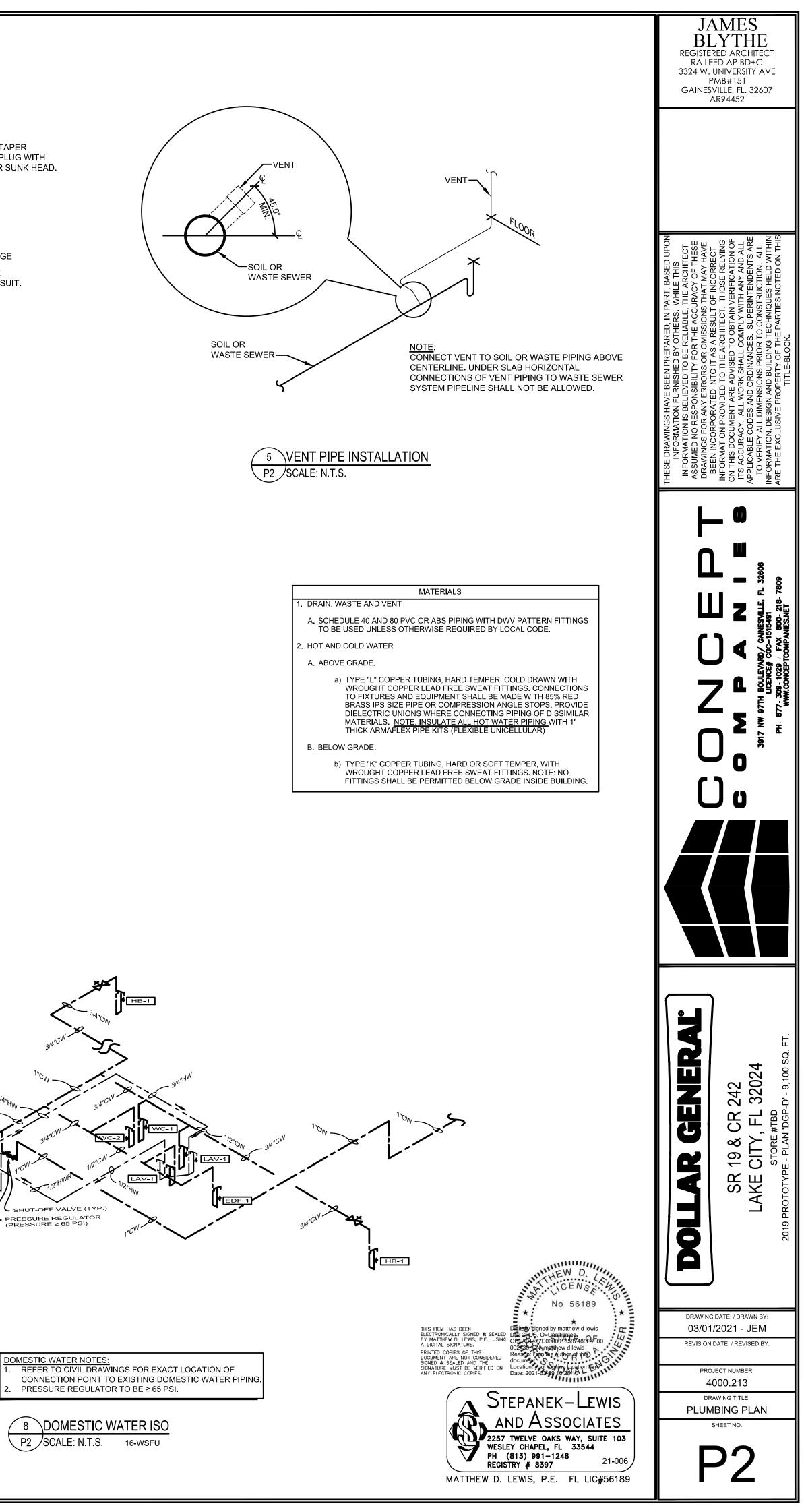


NOTES: 1. CLEAN-OUT SHALL BE TRAFFIC RATED. 2. ECO-1 SHALL BE INSTALLED WITHIN 5'-0" OF THE BUILDING EXTERIOR.









SANITARY SEWER NOTES: 1. EWH-1 TO DRAIN INTO MOP SINK (MS-1) 2. REFER TO SHEET P1 FOR ADDITIONAL INFORMATION.



