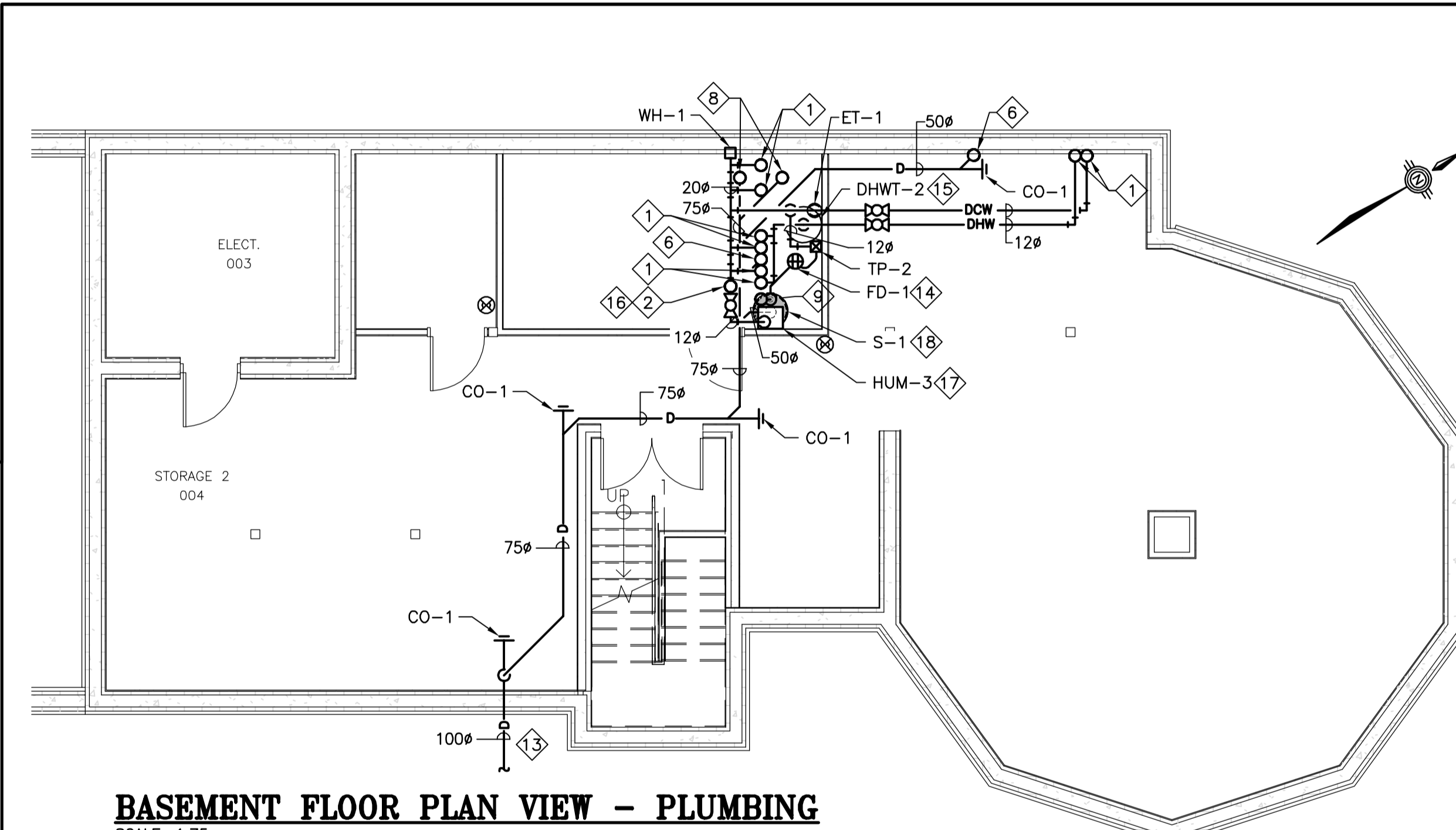
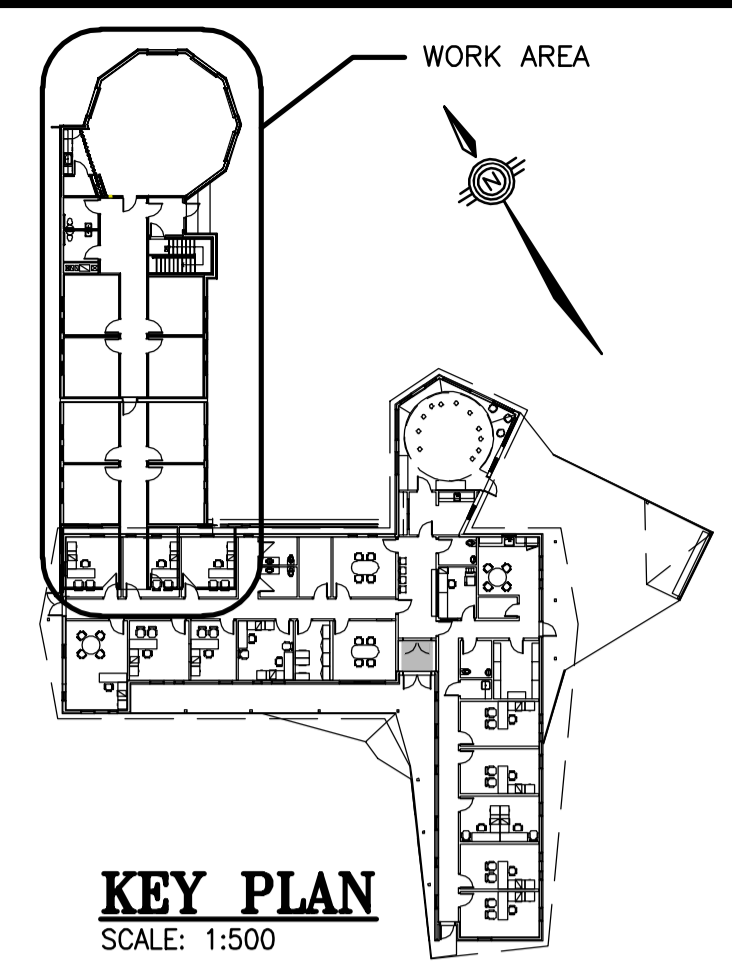


GROUND FLOOR PLAN VIEW - PLUMBING
SCALE: 1:75



BASEMENT FLOOR PLAN VIEW - PLUMBING
SCALE: 1:75



KEY PLAN
SCALE: 1:500

PLUMBING LEGEND

- DCW — DOMESTIC COLD WATER LINE
- DHW — DOMESTIC HOT WATER LINE
- S — SANITARY DRAIN LINE
- S-U — SANITARY UNDERGROUND OR BELOW FLOOR DRAIN LINE
- V — VENT LINE
- TP — TRAP PRIMER LINE
- TP-U — TRAP PRIMER UNDERGROUND OR BELOW FLOOR LINE
- CO-1 — CEILING SPACE CLEANOUT CO-1 - INDICATES TYPE (REFER TO SCHEDULE)
- FD-1 — PROPOSED FLOOR DRAIN FD-1 - INDICATES TYPE (REFER TO SCHEDULE)
- WH-1 — WATER HAMMER ARRESTOR WH-1 - INDICATES TYPE (REFER TO SCHEDULE)
- TP-1 — PROPOSED TRAP SEAL PRIMER TP-1 - INDICATES TYPE (REFER TO SCHEDULE)
- LINE GOING DOWN
- LINE GOING UP
- TEE DOWN
- UNION
- TEE
- 90° ELBOW
- WYE
- FIRE EXTINGUISHER ON WALL BRACKET
- FIRE EXTINGUISHER CABINET c/w FIRE EXTINGUISHER
- REDUCER
- BALL VALVE
- CHECK VALVE
- CAP

DRAWING NOTES:

- 1 DCW/DHW 12" UP.
- 2 DCW 20" UP.
- 3 DCW/DHW 12" DN.
- 4 DCW 20" DN.
- 5 SAN 50" DN.
- 6 SAN 50" UP.
- 7 SAN 75" DN.
- 8 SAN 75" UP.
- 9 VENT 50 UP.
- 10 VENT 50 DN.
- 11 VENT 50" UP, 75" THROUGH ROOF (REFER TO TYPICAL ROOF VENT DETAIL ON DRAWING MP2).
- 12 CONNECT TO EXISTING DOMESTIC WATER LINE IN MECHANICAL ROOM. EXACT POINT OF CONNECTION TO BE COORDINATED ON SITE.
- 13 REFER TO PIPE THROUGH CONCRETE WALL DETAIL ON DRAWING MP2.
- 14 HWT-1, *HRV-1 & *AHU-1 DRAINS TO BE PIPED AS REQUIRED AND DRAIN AT FLOOR DRAIN FD-1. EXACT LOCATION OF FLOOR DRAIN FD-1 TO BE COORDINATED WITH FOOTINGS FROM STRUCTURAL DRAWINGS. SHOWN AT THIS LOCATION FOR DRAWING CLARITY.
- 15 DHWT-2 TO BE INSTALLED WITH ISOLATION BALL VALVES ON DCW & DHW BRANCHES. REFER TO DETAIL ON MP-2.
- 16 ISOLATION BALL VALVE INSTALLED ON VERTICAL SECTION OF PIPE.
- 17 HUMIDIFIER HUM-1 TO DRAIN AT FD-1 IN SAME ROOM. REFER TO HUMIDIFIER DETAIL ON DRAWING MP2.
- 18 SUMP SP-1 TO BE INSTALLED UNDERNEATH HUMIDIFIER HUM-1.

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4. THIS CONTRACTOR SHALL COORDINATE ALL FLOOR, CEILING AND WALL PENETRATIONS WITH GENERAL CONTRACTOR AND/OR THE OWNER PRIOR TO CUTTING.

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PLUMBING SCHEDULE

TYPE	DESCRIPTION	MODEL	ACCESSORIES	PIPING				NOTES
				C	H	SAN	V	
WC-1	BARRIER FREE WATER CLOSET	AMERICAN STANDARD CADET PRO RIGHT HEIGHT 215AA.104 C/W LINER & COVER LOCKING DEVICE 4188A.174	SEAT: BEMIS 1955CT SUPPLY: DELTA COMMERCIAL 47P1316SD	12"	-	75"	-	-
LAV-1	WALL MOUNT LAVATORY	AMERICAN STANDARD LUCERNE 0355.027	FAUCET: DELTA COMMERCIAL 21C134 SUPPLIES: DELTA COMMERCIAL 47P2512SD OFFET WASTE: DELTA COMMERCIAL 33T290 P-TRAP: DELTA COMMERCIAL 33T311 P-TRAP INSULATION: McGUIRE PROWRAP BACK TO BACK CARRIER: JAY R. SMITH 0710D	12"	-	32"	32"	-
SK-1	S/S SINGLE BOWL DROP-IN SINK C/W LEDGE	KINDRED COMMERCIAL LBS4008P-1/3 (200mm CENTERSET)	FAUCET: DELTA COMMERCIAL 26C3934 SUPPLIES: DELTA COMMERCIAL 47P2512SD TAILPIECE & BASKET STRAINER: McGUIRE 151 P-TRAP: ABS OR PVC	12"	12"	40"	40"	-
S-1	SUMP	LIBERTY PUMPS PRO370-SERIES MODEL P372LE41	-	-	-	75"	50"	REFER TO DOMESTIC HOT WATER TANKS PIPING DETAIL ON DRAWING MP2
CO-1	CEILING SPACE CLEANOUT	JAY R. SMITH 4420C	-	-	-	SEE PLAN	-	REFER TO CEILING SPACE CLEANOUT DETAIL ON DRAWING MP2
FD-1	FUNNEL FLOOR DRAIN	JAY R. SMITH 3510Y-B-P050-U (FIG. 3590)	P-TRAP: PVC	-	-	75"	-	REFER TO TYPICAL FLOOR DRAIN DETAIL ON DRAWING MP2
WH-1	WATER HAMMER ARRESTOR	JAY R. SMITH SERIES 5000	-	SEE PLAN	-	-	-	-
DHWT-2	DOMESTIC HOT WATER TANK	GIANT 130E-3R7N (22 GAL./208V/2.25kW)	FLOOR STAND: HOLDRITE 40-S-22-A	20"	20"	-	-	REFER TO DOMESTIC HOT WATER TANKS PIPING DETAIL ON DRAWING MP2
ET-1	EXPANSION TANK	WATTS PLT 5	-	20"	-	-	-	REFER TO DOMESTIC HOT WATER TANKS PIPING DETAIL ON THIS DRAWING MP2
TP-2	TRAP PRIMER	P.P.P. INC. MPB-500-115V	-	12"	-	-	-	REFER TO TYPICAL TRAP PRIMER DETAIL ON DRAWING MP2
DCV-1	DOUBLE CHECK VALVE ASSEMBLY	WATTS LF007	-	12"	-	-	-	-

TYPICAL PLUMBING VALVE SCHEDULE

TYPE	DESCRIPTION	ACCEPTABLE MATERIAL - OR APPROVED EQUAL
SWING CHECK VALVE	50mm AND UNDER, SOLDERED	KITZ NO. 23, NIBCO NO. S-413, TOYO RED & WHITE FIG. 237, JENKINS 4093J, CRANE FIG. 1342
	50mm AND UNDER, SCREWED	NIBCO T-413, APOLLO VALVES 161T-LF, RED-WHITE VALVES 236AB
BALL VALVE	50mm AND UNDER, SCREWED	NIBCO T-685-80-LF, APOLLO VALVES 70LF-200, RED-WHITE VALVES 5044AB
	50mm AND UNDER, SOLDERED	NIBCO S-FP-600A, MA STEWART B-2F, JENKINS 202J, BONOMI 1715, CRANE NO. 9202
	25mm AND UNDER, PEX MECHANICAL CONNECTION	NIBCO PX-CP400-LF, RED-WHITE VALVES 5010AB

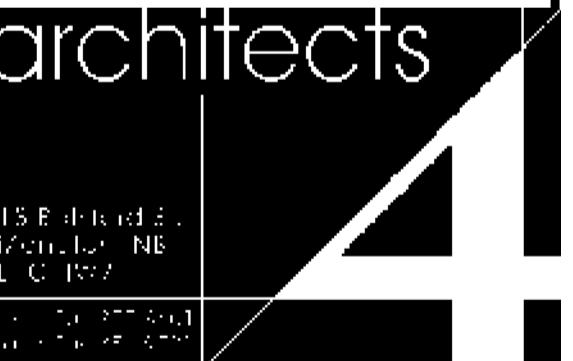
PIPING IDENTIFICATION SCHEDULE (PLUMBING)

PIPING	NAME ON TAG	BACKGROUND COLOUR
DOMESTIC COLD WATER SUPPLY	DOM. COLD WATER	GREEN
DOMESTIC HOT WATER SUPPLY	DOM. HOT WATER	GREEN
DOMESTIC HOT WATER RECIRCULATION	DOM. H.W. RECIRC.	GREEN
PLUMBING VENT	SAN. VENT	GREEN
SANITARY DRAINAGE	SAN. DRAIN	GREEN

PIPING INSULATION SCHEDULE (PLUMBING)

PIPING	INSULATION TYPE	VAPOUR BARRIER	LOCATION OF PIPING	THERMAL CONDUCTIVITY OF INSULATION		NOMINAL PIPE DIAMETER (mm)	MINIMUM THICKNESS OF PIPING INSULATION (mm)
				CONDUCTIVITY RANGE, W/m °C	MEAN RATING TEMPERATURE °C		
DOMESTIC COLD WATER	RIGID MOULED MINERAL FIBRE	FACTORY APPLIED	N/A	N/A	N/A	RUNOUTS	25"
						ALL PIPING	25"
			CONDITIONED SPACE	0.035-0.040	38	RUNOUTS < OR = 50"	25"
						< OR = 25"	25"
						32" TO 50"	40"
						64" TO 100"	40"
						> OR = 125"	40"
DOMESTIC HOT WATER	RIGID MOULED MINERAL FIBRE	NONE	UNCONDITIONED SPACE	0.046-0.049	38	RUNOUTS < OR = 50"	40"
						< OR = 25"	64"
						32" TO 50"	75"
						64" TO 100"	75"
						> OR = 125"	90"

NOTES:
1. REFER TO SECTION 6.2.3.1 OF THE NATIONAL ENERGY CODE OF CANADA FOR BUILDING FOR EXTRA CLARIFICATIONS TO THIS TABLE. FOR CURRENT EDITION REFER TO GENERAL NOTES AND/OR SPECIFICATIONS.



TCFSA Administration Building Addition

Tobique First Nation, NB

- MECHANICAL -
PLUMBING PLAN VIEWS, KEY PLAN & LEGEND

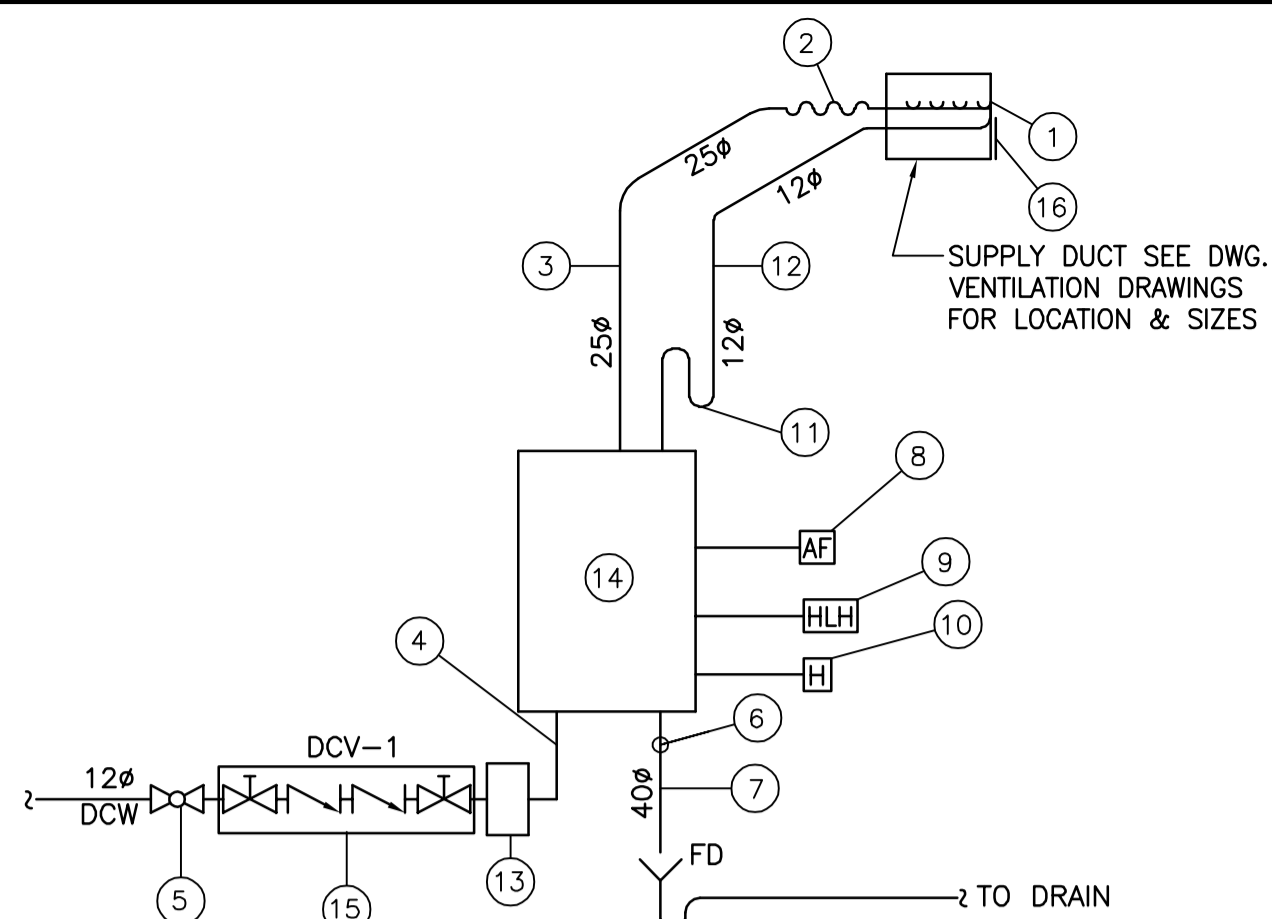
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November, 2021

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MP1

PLOT DATE: 2022-02-25

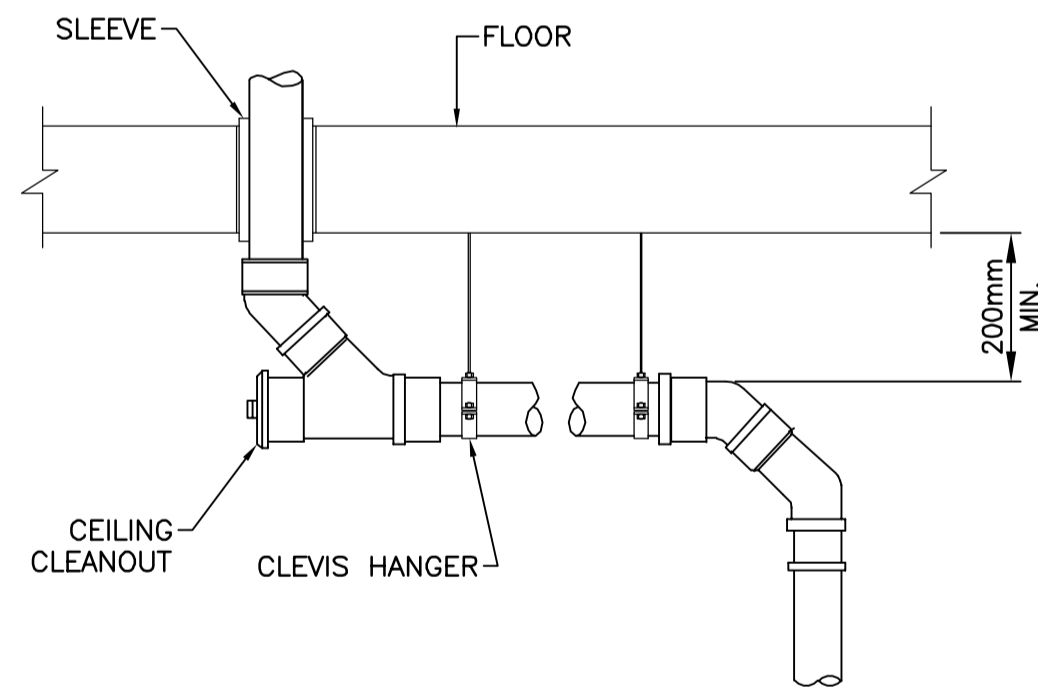


LEGEND

- 1 STEAM MANIFOLD (FOLLOW MANUFACTURER'S RECOMMENDATIONS).
- 2 FLEXIBLE HOSE (SUPPLIED WITH HUMIDIFIER).
- 3 RIGID COPPER PIPING. USE LONG SWEEP ELBOWS.
- 4 TUBE COMPRESSION FITTING WATER SUPPLY.
- 5 BALL VALVE.
- 6 AIR GAP FITTING.
- 7 DRAIN CONNECTION.
- 8 AIR PROVING SWITCH IN SUPPLY AIR DUCT.
- 9 HIGH LIMIT HUMIDISTAT IN SUPPLY DUCT SET AT 80% RH.
- 10 HUMIDISTAT.
- 11 P-TRAP (200mm DEEP MIN. FOLLOW MANUFACTURER'S RECOMMENDATIONS).
- 12 DRAIN LINE RIGID COPPER.
- 13 INLINE WATER FILTER (SUPPLIED WITH HUMIDIFIER).
- 14 HUMIDIFIER (REFER TO SCHEDULE) OR APPROVED EQUAL.
- 15 DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER. TO BE INSTALLED BETWEEN 750 TO 1500mm FROM FINISHED FLOOR (REFER TO PLUMBING SCHEDULE)
- 16 ACCESS DOOR IN WATER TIGHT DUCTWORK.

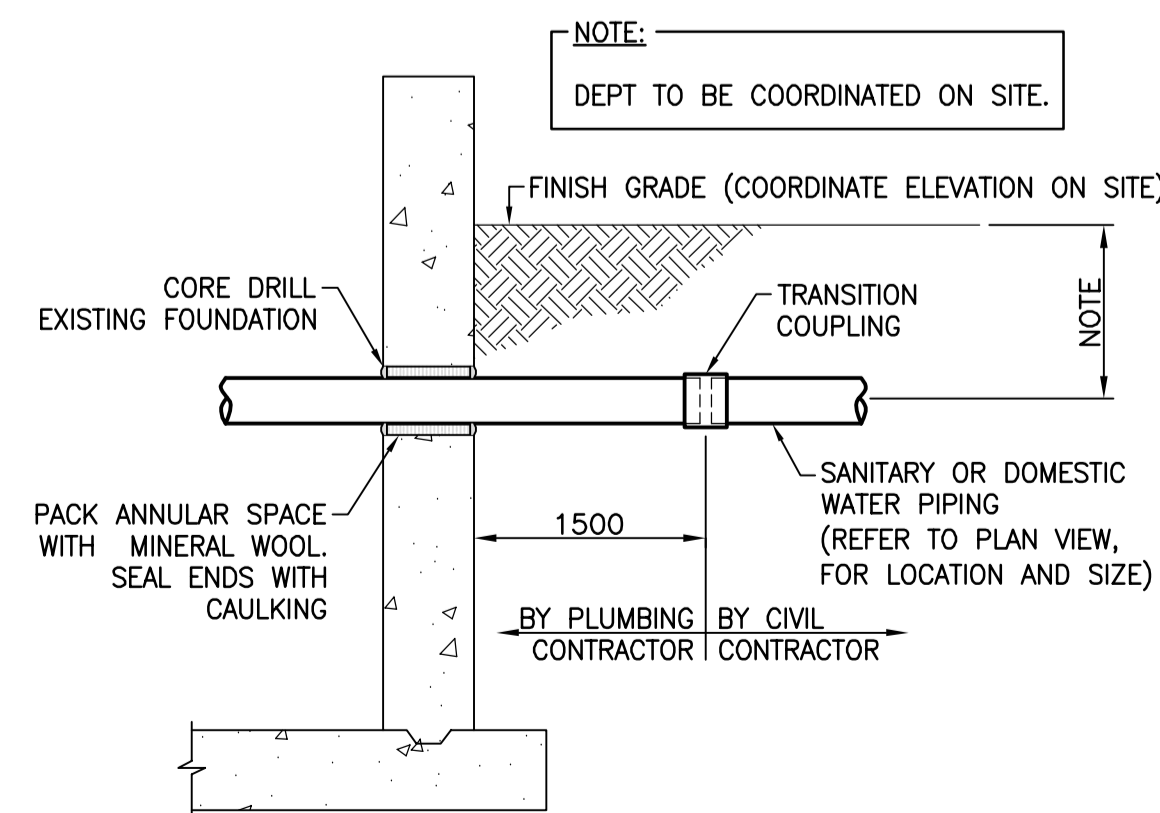
HUMIDIFIER DETAIL

N.T.S.



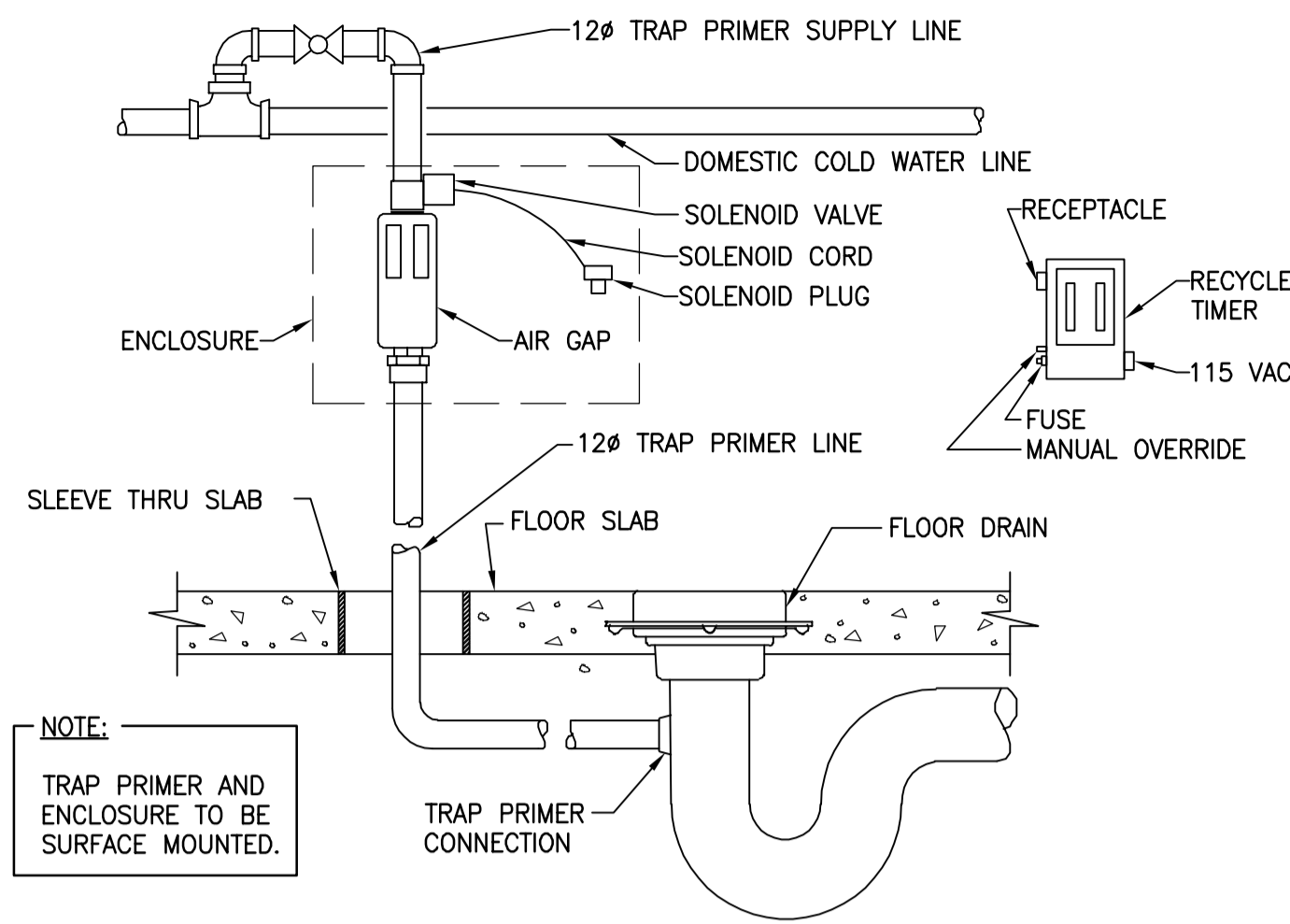
CEILING SPACE CLEANOUT DETAIL

N.T.S.



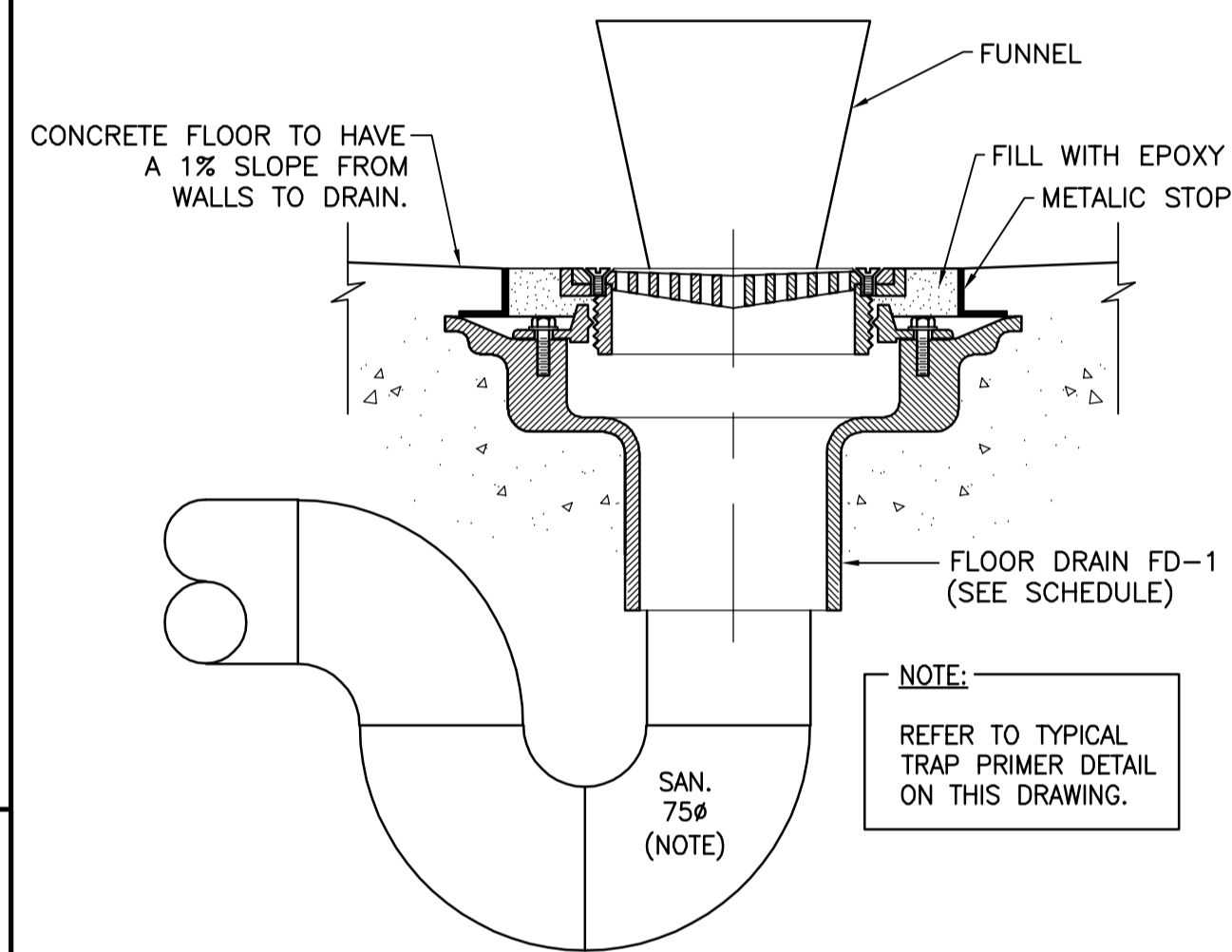
PIPE THROUGH CONCRETE WALL DETAIL

N.T.S.



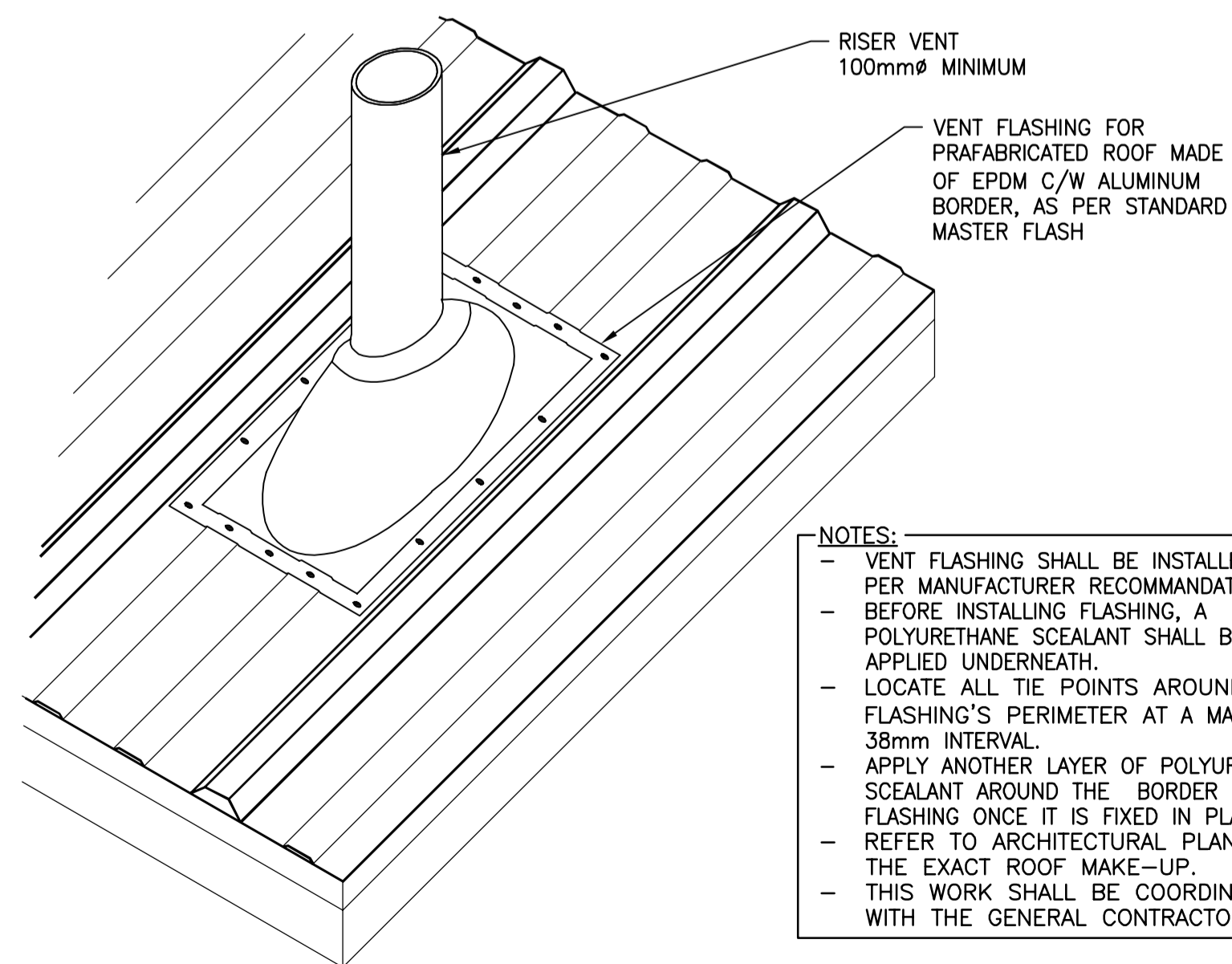
TYPICAL TRAP PRIMER DETAIL

N.T.S.



TYPICAL FLOOR DRAIN DETAILS

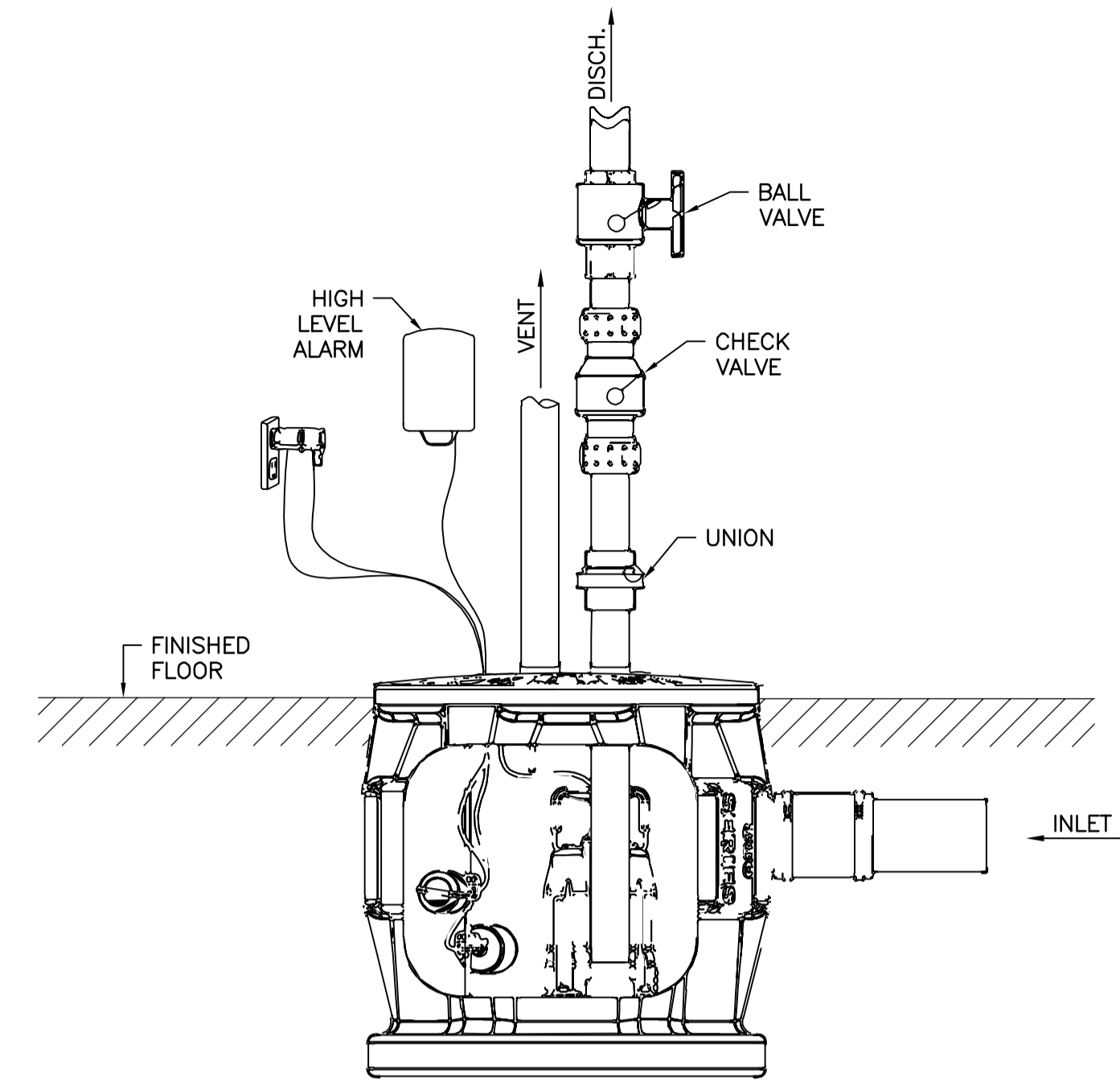
N.T.S.



TYPICAL VENT INSTALLATION DETAIL

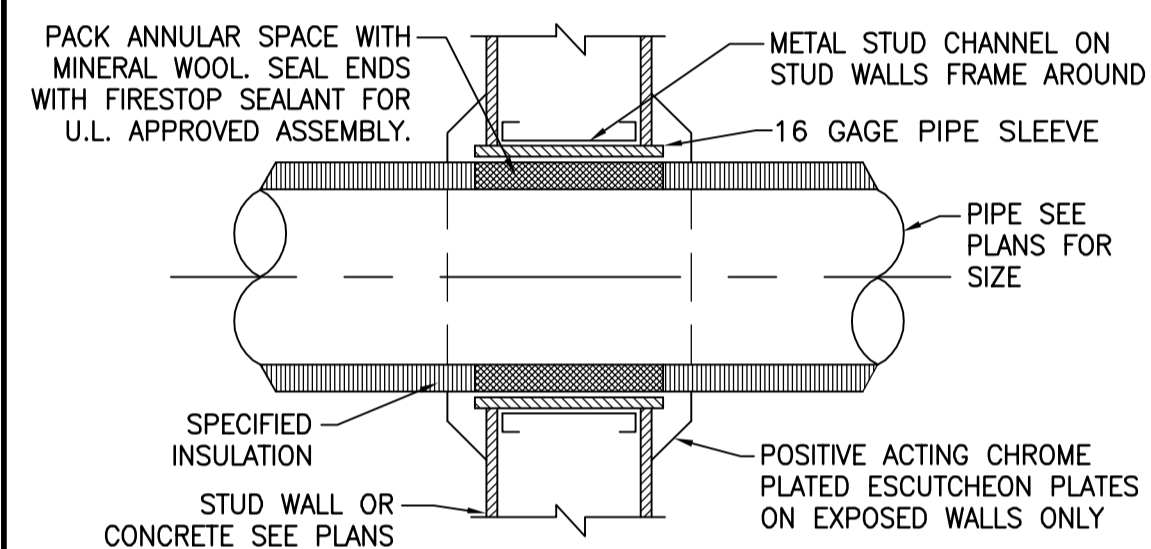
N.T.S.

- NOTES:
- VENT FLASHING SHALL BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS.
 - BEFORE INSTALLING FLASHING, A POLYURETHANE SEALANT SHALL BE APPLIED UNDERNEATH.
 - LOCATE ALL TIE POINTS AROUND THE FLASHING'S PERIMETER AT A MAXIMUM 38mm INTERVAL.
 - APPLY ANOTHER LAYER OF POLYURETHANE SEALANT AROUND THE BORDER OF THE FLASHING ONCE IT IS FIXED IN PLACE.
 - REFER TO ARCHITECTURAL PLANS FOR THE EXACT ROOF MAKE-UP.
 - THIS WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.



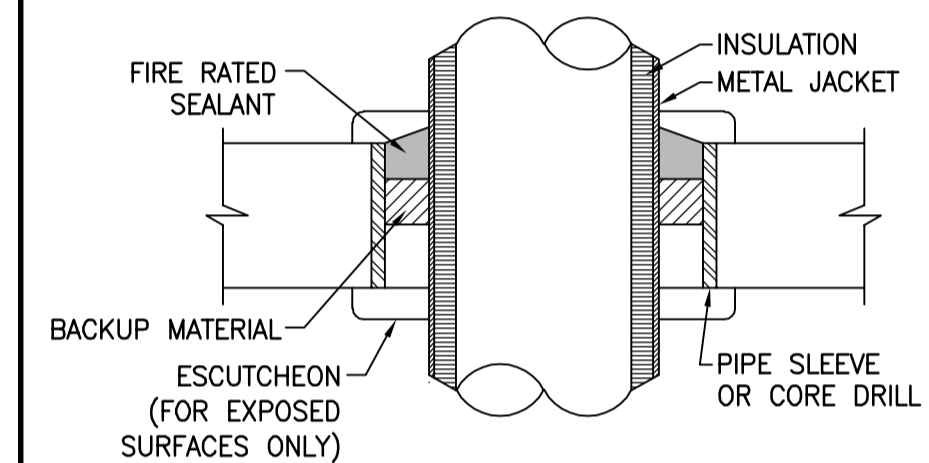
SUMP INSTALLATION DETAIL

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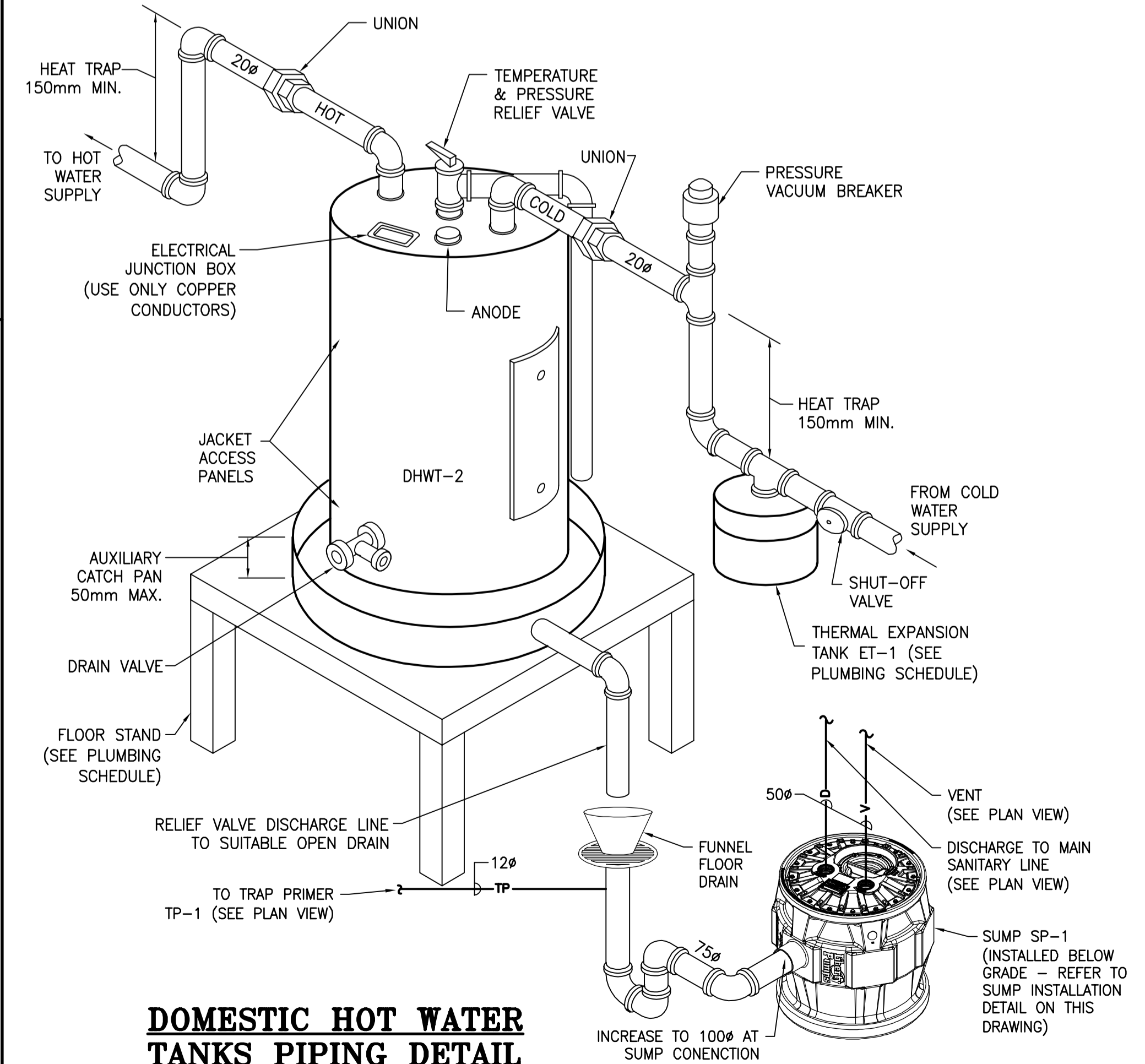
PIPE THROUGH WALL DETAIL

N.T.S.



PIPE THROUGH FLOOR DETAIL

N.T.S.



DOMESTIC HOT WATER TANKS PIPING DETAIL

N.T.S.

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- C DETAIL DWG NO.



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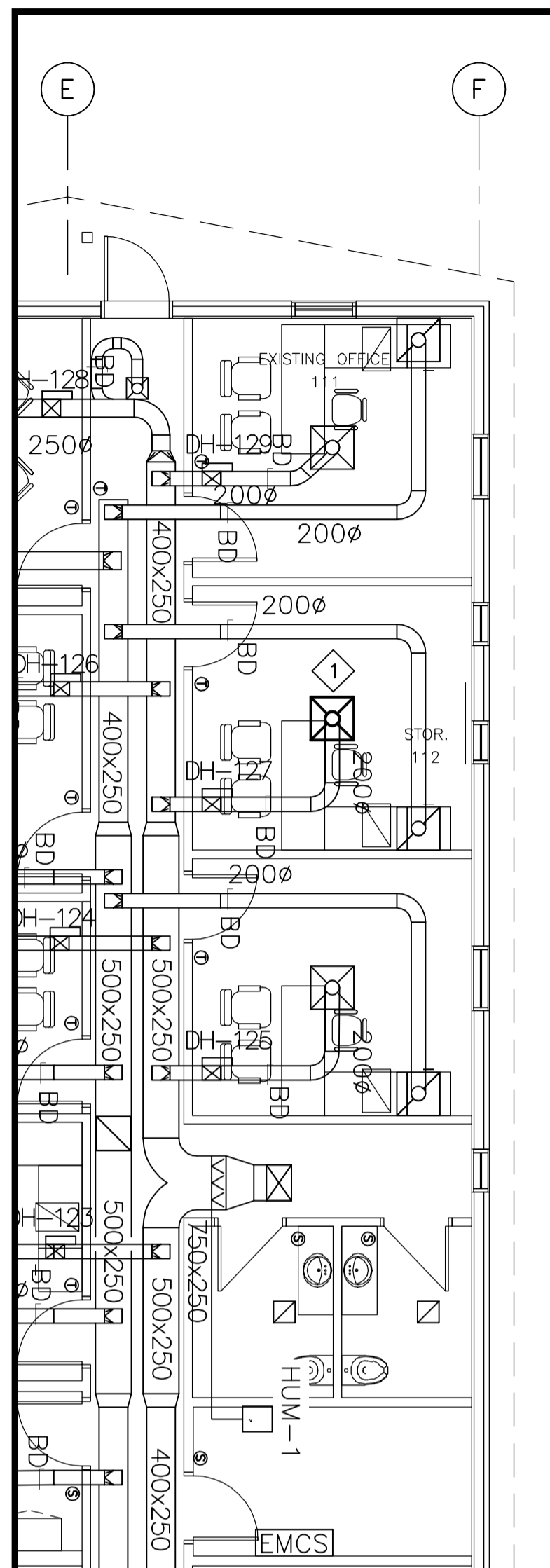
- MECHANICAL -
PLUMBING DETAILS

SCALE: AS SHOWN

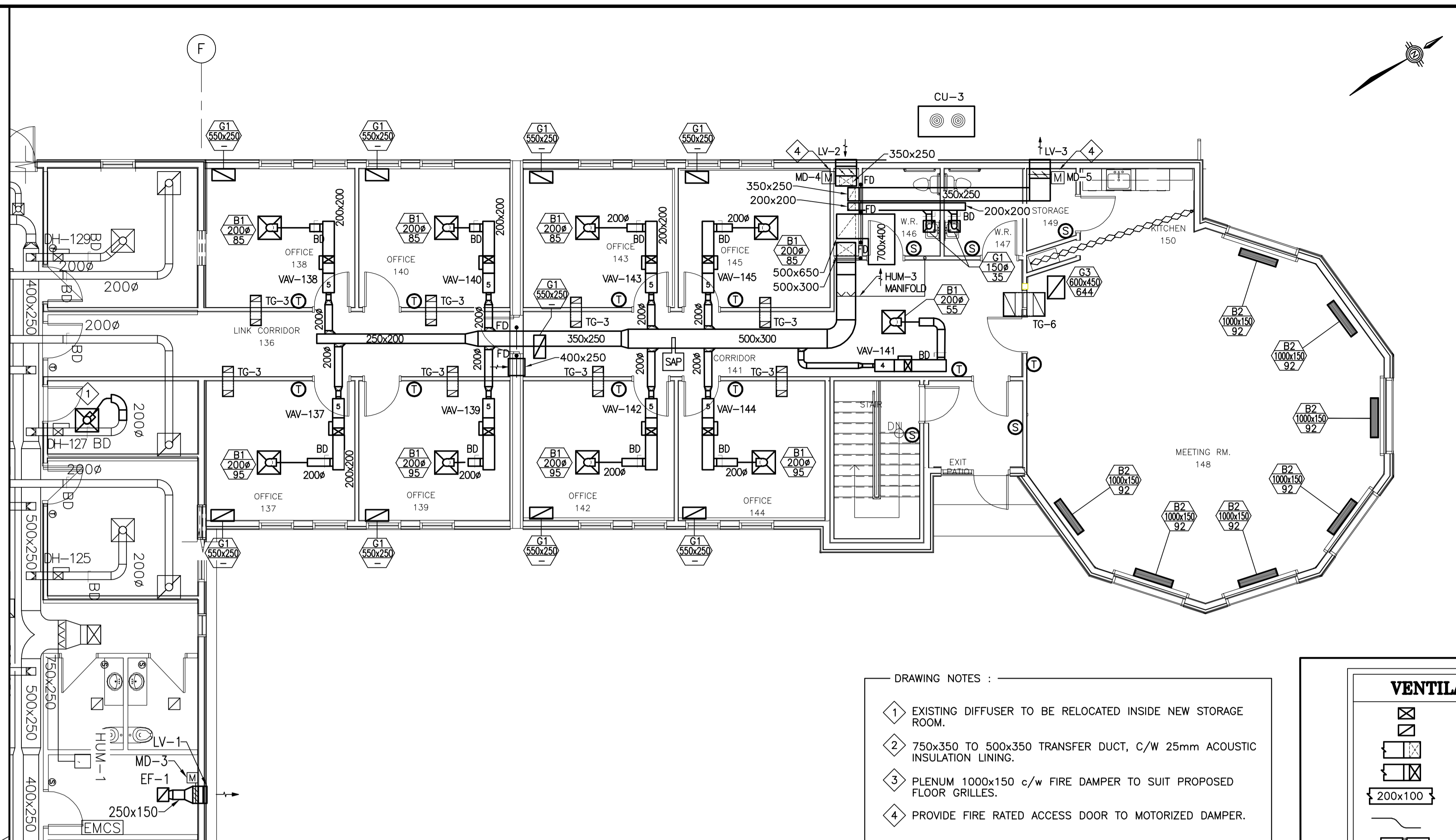
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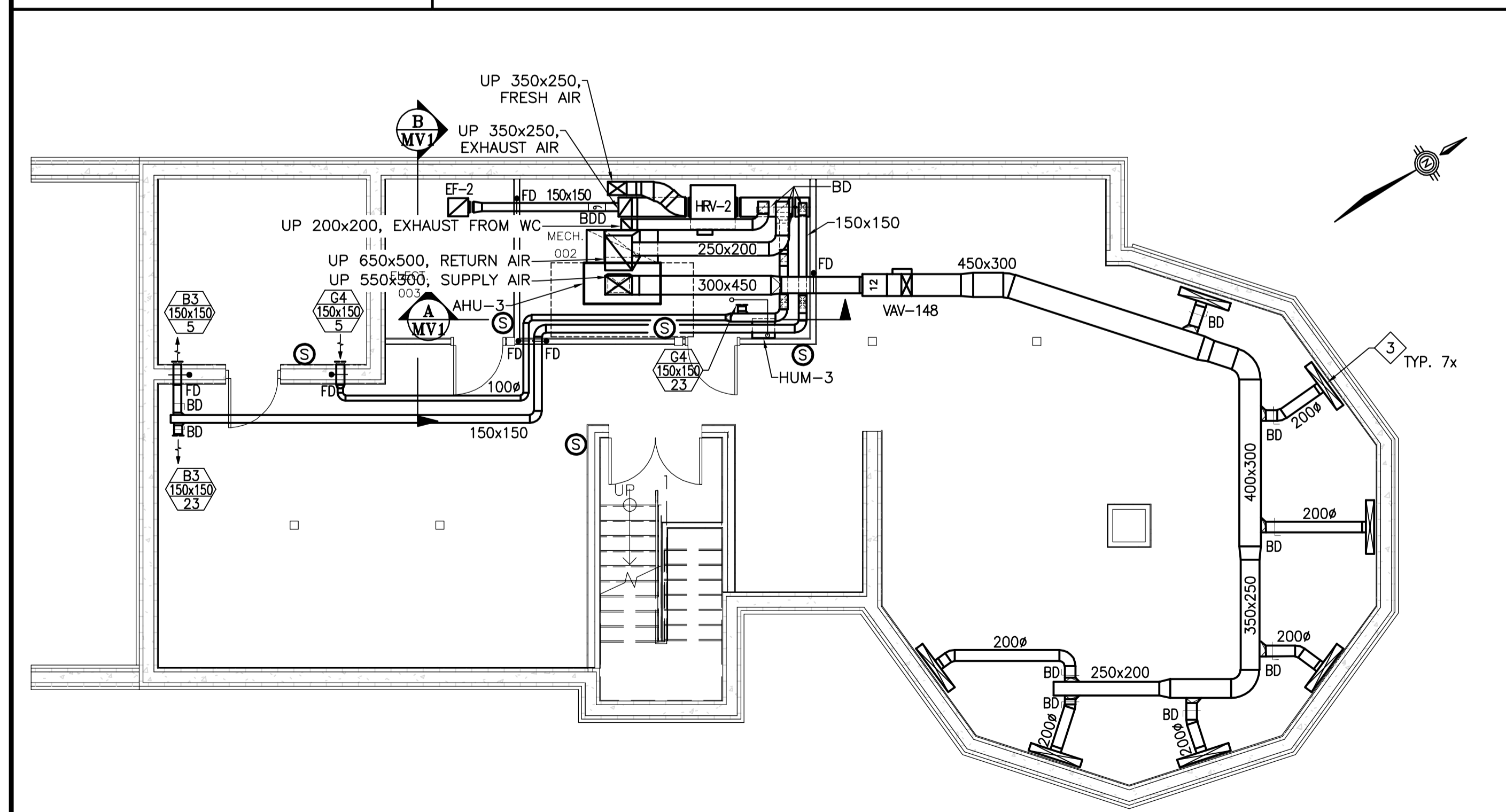
MP2



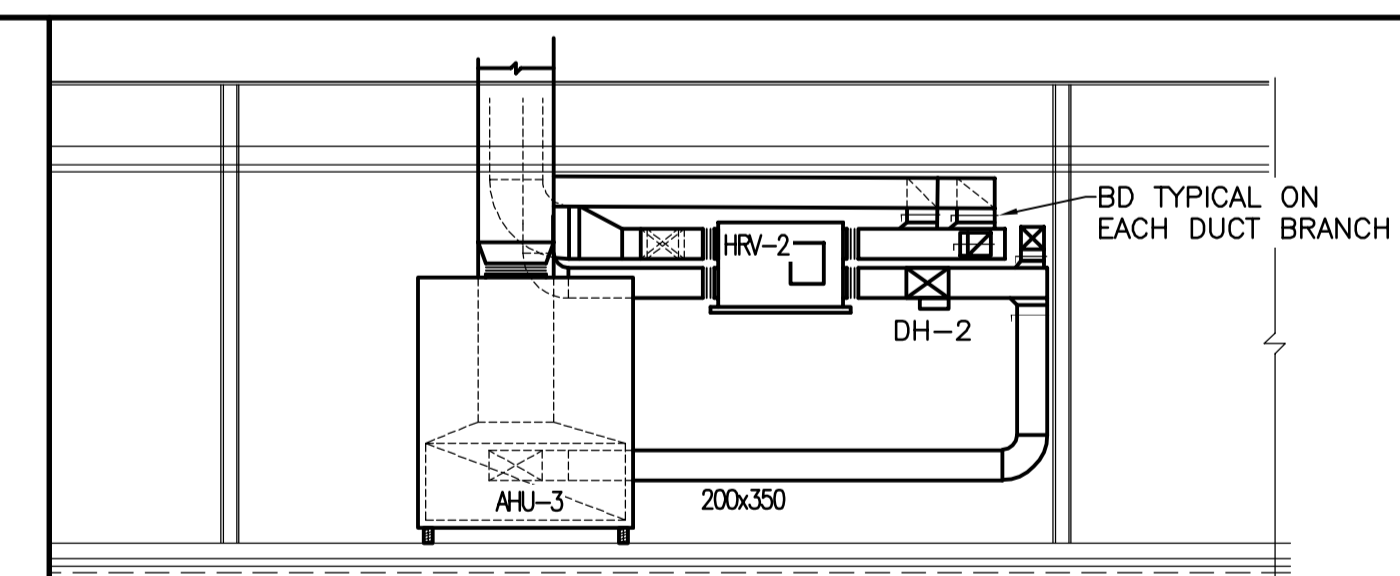
DEMOLITION GROUND FLOOR PLAN VIEW - VENTILATION
SCALE: 1:75



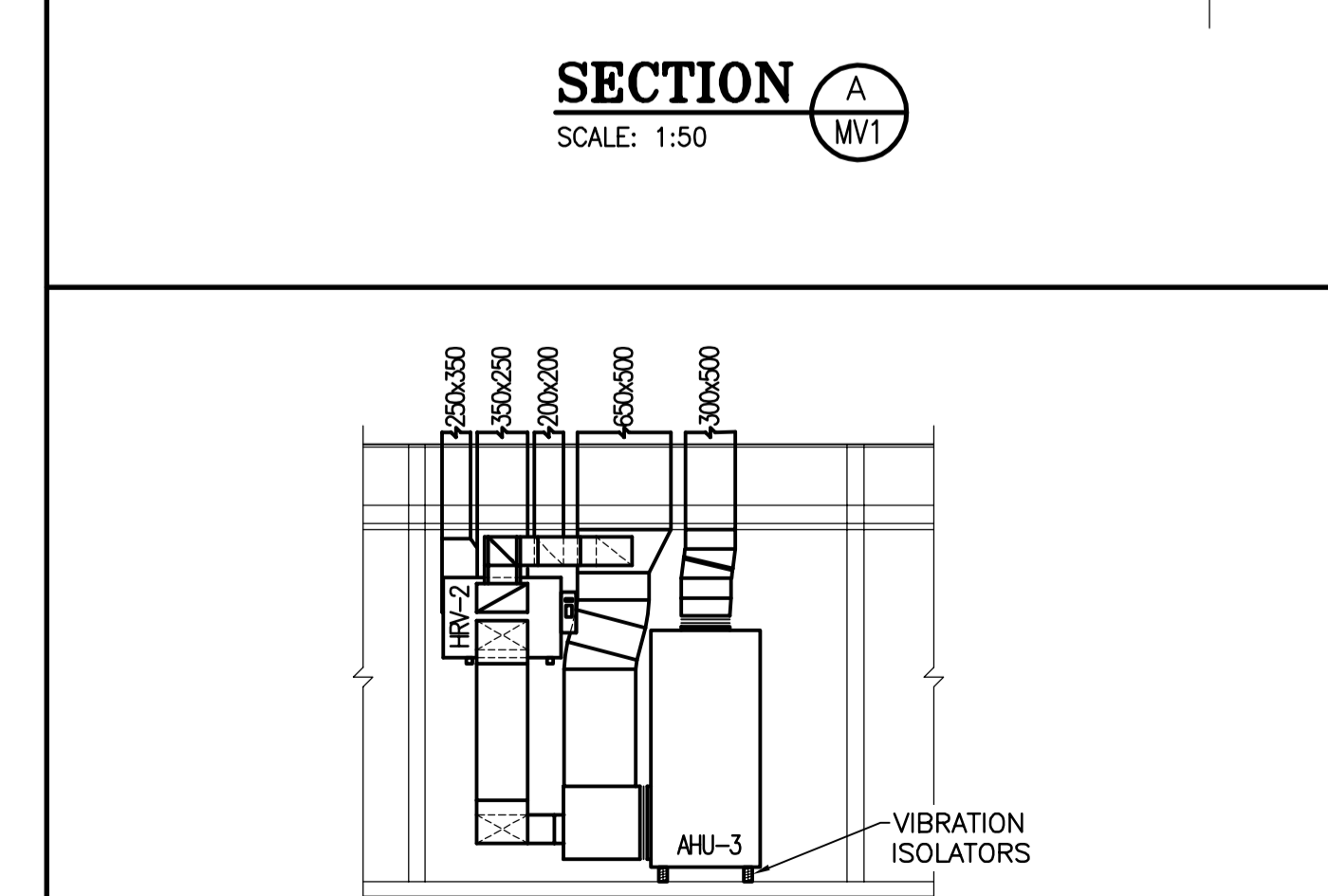
GROUND FLOOR PLAN VIEW - VENTILATION
SCALE: 1:75



BASEMENT FLOOR PLAN VIEW - VENTILATION
SCALE: 1:75



SECTION A
SCALE: 1:50



SECTION B
SCALE: 1:50

- DRAWING NOTES :
- 1 EXISTING DIFFUSER TO BE RELOCATED INSIDE NEW STORAGE ROOM.
 - 2 750x350 TO 500x350 TRANSFER DUCT, C/W 25mm ACOUSTIC INSULATION LINING.
 - 3 PLENUM 1000x150 c/w FIRE DAMPER TO SUIT PROPOSED FLOOR GRILLES.
 - 4 PROVIDE FIRE RATED ACCESS DOOR TO MOTORIZED DAMPER.

VENTILATION LEGEND

- [Symbol] SUPPLY DUCTWORK
- [Symbol] RETURN OR EXHAUST DUCTWORK
- [Symbol] DUCTWORK GOING DOWN
- [Symbol] DUCTWORK GOING UP
- [Symbol] DUCT SIZE - FIRST NUMBER IS THE VISIBLE SIDE
- [Symbol] FLEXIBLE DUCT (MAX. LENGTH 1.5m)
- [Symbol] FLEXIBLE CONNECTION
- [Symbol] SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE)
- [Symbol] EXHAUST GRILLE (SEE SCHEDULE)
- [Symbol] TRANSFER BOX (SEE SCHEDULE)
- [Symbol] FLOW DIRECTION
- [Symbol] BALANCING DAMPER
- [Symbol] FIRE DAMPER
- [Symbol] MOTORIZED DAMPER
- [Symbol] HUMIDIFIER MANIFOLD
- [Symbol] BACK DRAFT DAMPER
- [Symbol] BDD
- [Symbol] DUCT HEATING COIL (SEE SCHEDULE).
- [Symbol] CONTROL THERMOSTAT WIRING
- [Symbol] ROOM THERMOSTAT
- [Symbol] ROOM TEMPERATURE SENSOR
- [Symbol] HUMIDISTAT
- [Symbol] HEATING RELAY (REFER TO ELECTRICAL DRAWINGS FOR LOCATION)
- [Symbol] AHU
- [Symbol] HRV
- [Symbol] EMCS
- [Symbol] PD
- [Symbol] VFD
- [Symbol] DI
- [Symbol] DO
- [Symbol] AI
- [Symbol] AO
- [Symbol] DUCT SENSOR
- [Symbol] OAT - OUTSIDE AIR TEMPERATURE
- [Symbol] SAT - SUPPLY AIR TEMPERATURE
- [Symbol] RAT - RETURN AIR TEMPERATURE
- [Symbol] SAH - SUPPLY AIR HUMIDITY
- [Symbol] RAH - RETURN AIR HUMIDITY
- [Symbol] HLH - HIGH LIMIT HUMIDITY
- [Symbol] AFS - AIR FLOW SWITCH
- [Symbol] SAP - SUPPLY AIR PRESSURE
- [Symbol] EXISTING TO BE REMOVED.

KEY PLAN
SCALE: 1:500

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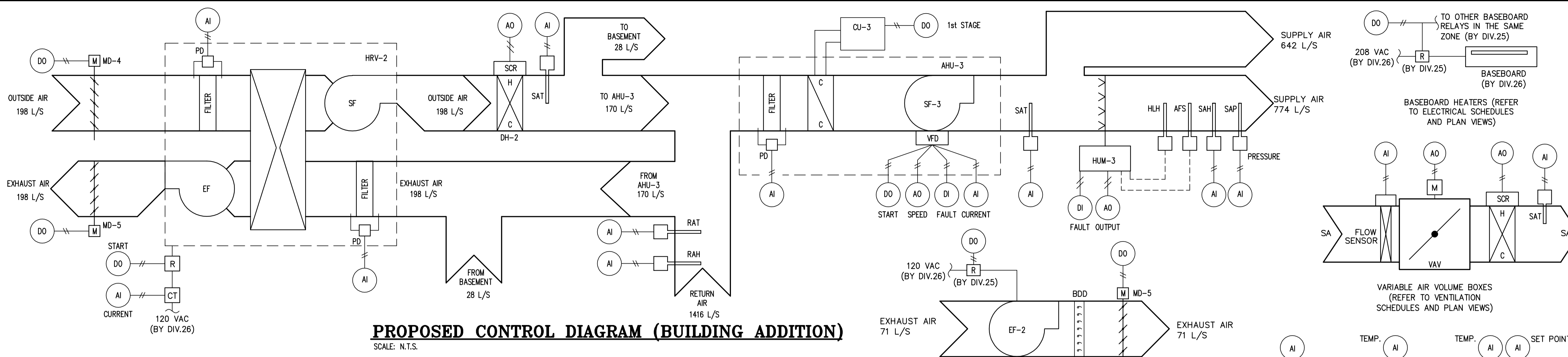
TCFSA Administration Building Addition

Tobique First Nation, NB

**- MECHANICAL -
VENTILATION PLAN VIEWS,
KEY PLAN & LEGEND**

SCALE: AS SHOWN
November, 2021

PLOT DATE: 2022-02-25



DUCT HEATING COIL SCHEDULE								
ITEM	AIR FLOW L/S	DUCT SIZE	STAGES	HEATING CAPACITY (kW)	ELECTRICAL			MANUFACTURER
					V	PH	HZ	
DH-2	198	350x200	SCR	10.0	208	3	60	NEPTRONICS, OR APPROVED EQUAL

NOTES: 1. DUCT HEATERS SHALL BE SLIP-IN TYPE (REFER TO SPECIFICATIONS).
2. C/W BUILT-IN UNFUSED DISCONNECT SWITCH.

EXHAUST FAN SCHEDULE								
IDENTIFICATION	DESCRIPTION	L/S	ESP (pa)	MANUFACTURER & MODEL No.	ELECTRICAL			REMARKS
					WATTS	FLA	V	
EF-1	EXISTING ELECTRICAL ROOM	105	92	GREENHECK MODEL SPA-250	0.56	115	1	NOTE 1
EF-2	ELECTRICAL ROOM 003 EXHAUST	70	65	GREENHECK MODEL SPA-200	50	0.46	115	NOTE 2

NOTES:
1. CONTRACTOR SHALL SUPPLY THE NEW EXHAUST FAN WITH NEW 15A-1P CIRCUIT IN PANEL "A" LOCATED IN THE EXISTING ELECTRICAL ROOM. IF PANEL HAS NO SPARE ROOM, REPLACE EXISTING 15A-1P BREAKER IN PANEL WITH A COMPATIBLE TANDEM 15A-1P BREAKER.
2. EXHAUST FAN SHALL BE COMPLETE WITH INSULATED CABINET, BACKDRAFT DAMPER, ALUMINUM GRILLE WITH WHITE ENAMEL FINISH AND HANGING VIBRATION ISOLATORS.

MOTORIZED DAMPER SCHEDULE							
IDENTIFICATION	SYSTEM	DESCRIPTION	L/S	MANUFACTURER MODEL NO.	DIMENSION (WXH)	ACTUATOR TYPE	REMARKS
MD-4	LV-2	HRV-1 FRESH AIR INTAKE	198	TAMCO SERIE 9000	350x600	BELIMO MODEL NFB24	INSULATED LOW LEAKAGE
MD-5	LV-3	HRV-1 EXHAUST AIR	198	TAMCO SERIE 9000	350x600	BELIMO MODEL NFB24	INSULATED LOW LEAKAGE

LOUVER SCHEDULE							
IDENTIFICATION	SYSTEM	DESCRIPTION	L/s	FREE AREA (sq.m) (MIN.)	MANUFACTURER MODEL NO.	DIMENSIONS (WXHXD)	REMARKS
LV-2	HRV-2	INTAKE	198	-	E.H. PRICE DE439	350x600x100	NOTES 1,2,3
LV-3	HRV-2	EXHAUST	198	-	E.H. PRICE DE439	350x600x100	NOTES 1,2,3

NOTES:
1. CLEAR ANODIZED ALUMINUM FINISH.
2. C/W ALUMINUM BIRDSCREEN AND ALUMINUM EXTENDED SILL.
3. INSERT TYPE (MOUNTING METHOD A).

VAV TERMINAL BOX SCHEDULE									
BOX NO.	FLOW (L/s)		INLET	MIN. DIFF. STATIC (Pa)	MANUFACTURER NO.	HEATING COIL (kW)	ACOUSTIC PLENUM	REMARKS	
	MAX.	MIN.							
VAV-141	55	28	100	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-148	642	192	300	62	E.H. PRICE SDV-5000	11.0	914mm-MOA	NOTES 1,2,3	
VAV-145	85	25	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-143	85	25	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-140	85	25	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-138	85	25	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-137	95	28	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-139	95	28	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-142	95	28	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	
VAV-144	95	28	125	62	E.H. PRICE SDV-5000	1.0	914mm-MOA	NOTES 1,2,3	

NOTES:
1. VAV TERMINALS SHALL BE COMPLETE WITH BUILT-IN AIRFLOW SENSORS.
2. VAV TERMINALS ACTUATOR AND CONTROLS SHALL BE SUPPLIED AND INSTALLED BY DIV.25.
3. VAV TERMINALS ELECTRIC HEATING COILS SHALL BE SUPPLIED WITH 208V/3PH/60HZ ELECTRICAL, BUILT-IN UNFUSED DISCONNECT SWITCH, AIRFLOW SWITCH, AUTOMATIC RESET THERMAL CUTOUT, PROPORTIONAL MODULATING CONTROL (SCR) AND INLET AND OUTLET SCREENS.

HUMIDIFIER SCHEDULE									
TAG NO.	AIR FLOW (L/S)	ABSORPTION LENGTH (mm)	MAX. CAPACITY (lb/hr)	ELECTRICAL			MANUFACTURER & MODEL No.	NOTES	
				V	PH	HZ			
HUM-3	775	610	15	208	3	60	7.5	CONDAIR EL 020	1,2

NOTES:
1. HUMIDIFIER SHALL BE COMPLETE WITH STEAM DISTRIBUTION AS SERIES STEAM MANIFOLD, FLEXIBLE HOSE STEAM SUPPLY LINE, DUCT MOUNTED AIR PROVIDING SWITCH, DUCT MOUNTED HIGH LIMIT HUMIDISTAT, IN-LINE WATER FILTER AND ONE SPARE CYLINDER.
2. HUMIDIFIER SHALL BE LIMITED TO THE MAXIMUM OUTPUT CAPACITY SHOWN IN THIS SCHEDULE.

AIR HANDLING UNIT SCHEDULE									
ID.	MANUFACTURER & MODEL No.	DESCRIPTION	AIR FLOW (L/S)	EXT. STATIC PRESSURE (Pa)	MOTOR				TOTAL COOLING CAPACITY (MBH)
					HP	V	PH	HZ	
AHU-3	YORK MODEL NL090	OFFICE AREA HVAC	1416	250	2	208	3	60	88.9

NOTES: C/W INTELLISPEED VFD

CONDENSING UNIT SCHEDULE							
IDENTIFICATION	MANUFACTURER & MODEL No.	COOLING CAPACITY (MBH)	REFRIGERANT TYPE	HEATING CAPACITY (MBH)	ELECTRICAL		
					V	PH	HZ
CU-3	YORK MODEL YC090	88	R410A	-	208	3	60

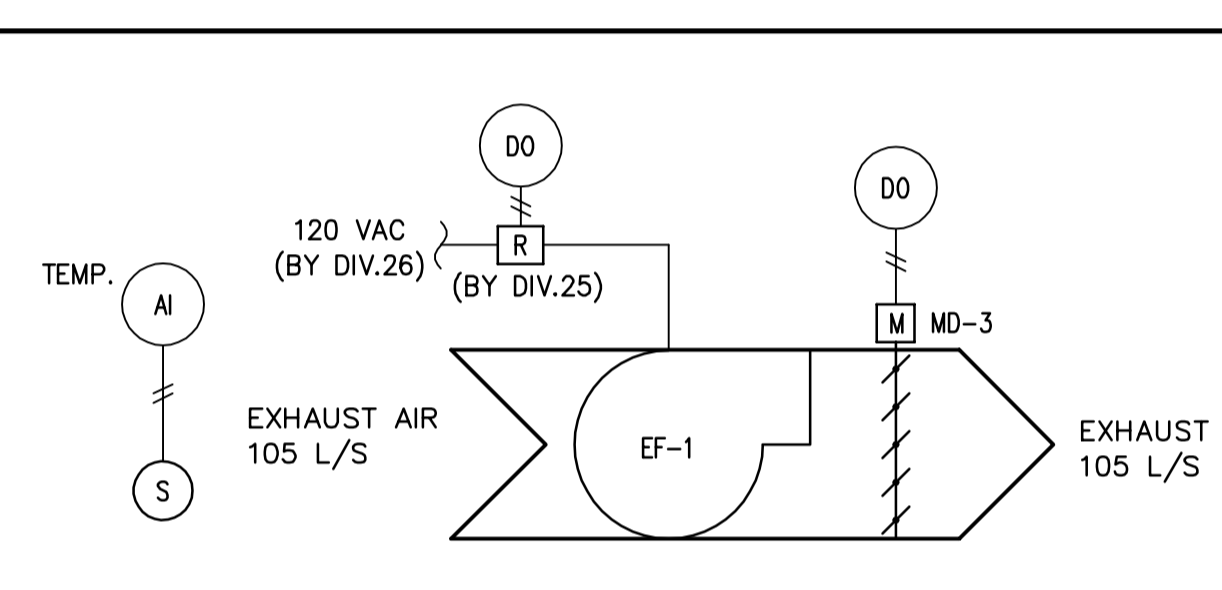
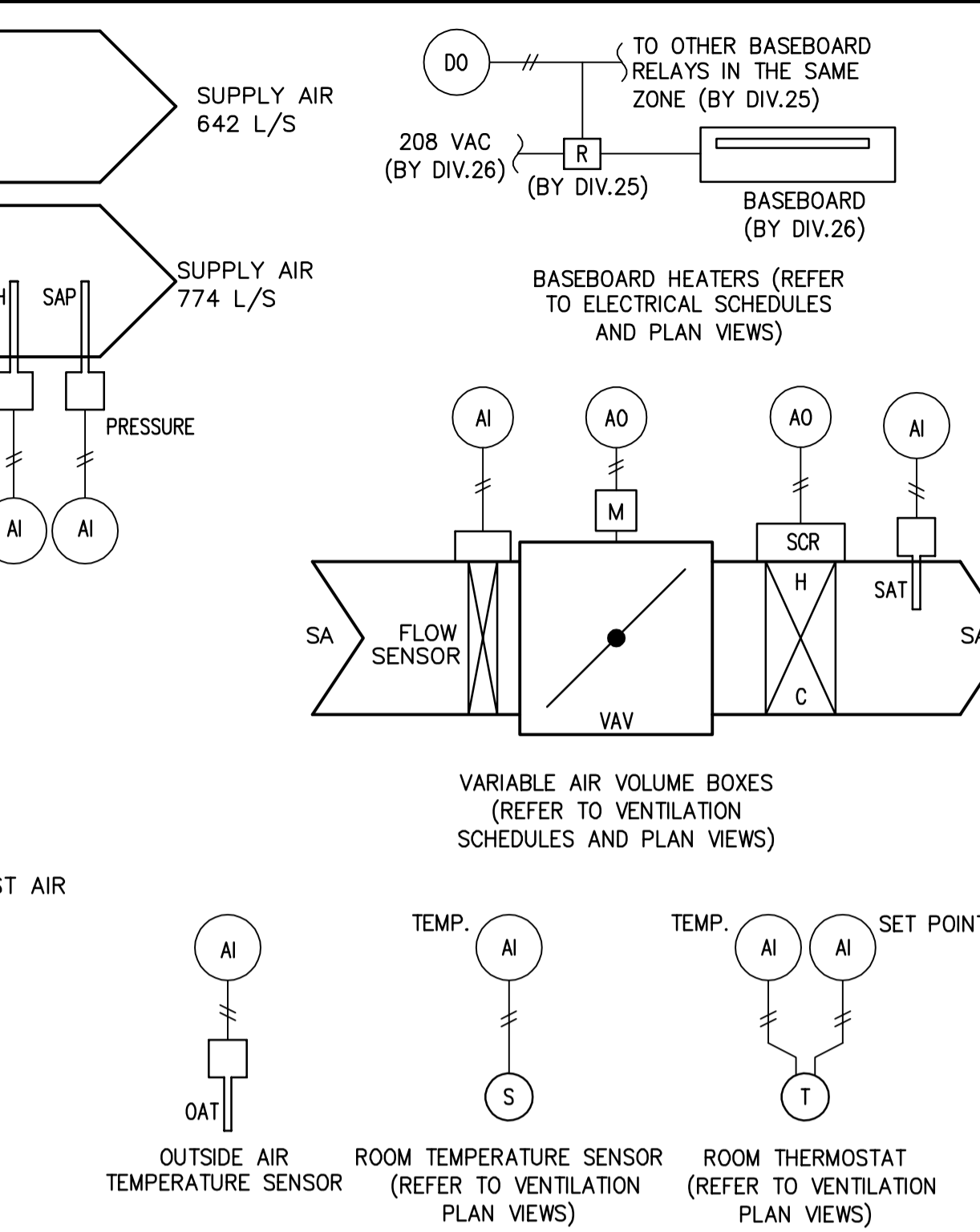
NOTES: C/W DISCONNECT SWITCH AND UNIT REQUIRES A FIELD INSTALLED HOT GAS BY-PASS

HEAT RECOVERY VENTILATOR UNIT SCHEDULE												
TAG NO.	MANUFACTURER & MODEL NO.	SYSTEM	SUPPLY FAN		RETURN FAN		ELECTRICITY				NOTES	
			L/S	EXT. S.P. (Pa)	L/S	EXT. S.P. (Pa)	V	PH	HZ	WATTS		
HRV-2	FANTECH SHR 700	AHU-1	198	200	198	200	120	1	60	1272	10.6	1,2,4

NOTES:
1. SHOULD MANUFACTURER OF AN APPROVED EQUAL UNIT REQUIRE CHANGES SUCH AS DIFFERENT ELECTRICAL, SIZES, DUCT CONFIGURATION OR ANY OTHER MODIFICATION, ALL ADDITIONAL COST ASSOCIATED WITH THESE CHANGES SHALL BE PAID FOR BY MECHANICAL CONTRACTOR.
2. UNIT SHALL BE SUPPLIED WITH EXHAUST ONLY DEFROST CYCLE, ALUMINUM HEAT RECOVERY CORE, THREE SPEED MOTOR ON SUPPLY AND EXHAUST FAN & VIBRATION ISOLATORS.
3. DISCONNECT SWITCH BY DIV.26.

DIFFUSER GRILLE SCHEDULE							
TYPE	DESCRIPTION	SERVICE	NECK SIZE (mm)	L/S	N.C. (MAX)	THROW T50 (m)	MANUFACTURER NO.
			200#	61-120	19	2.7	
			250#	121-160	19	3.0	
			300#	161-200	19	3.3	
B2	HEAVY DUTY LINER BAR GRILLES	SUPPLY	1000x150	0-119	19	1.8	E.H. PRICE LBPH16A/1000/A/B15
B3	LOUVERED SUPPLY	SUPPLY	150x150	0-52	19	5.7	E.H. PRICE 150x150/520/F/L/A/B12
G1	PERFORATED DIFFUSER	PLENUM RETURN	550x250	0-288	-	-	E.H. PRICE 610x305/PDDR/B12
G2	PERFORATED DIFFUSER	EXHAUST	150#	0-60	19	-	E.H. PRICE 305x305/PDDR/B12
G3	EGGCRATE FACE RETURN GRILLE	RETURN	600x450	0-787	-	-	E.H. PRICE 600x450/80/TB/B12
G4	LOUVERED RETURN	RETURN	150x150	0-52	19	-	E.H. PRICE 150x150/530/F/L/A/B12

NOTES:
1. PROVIDE SURFACE MOUNTING FRAME FOR DIFFUSERS AND GRILLES INSTALLED IN GYPSUM CEILING, REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING.



PROPOSED CONTROL DIAGRAM (EXISTING ELECTRICAL ROOM)
SCALE: N.T.S.

TRANSFER DUCT SCHEDULE			
ITEM	X	Y	NOTES
TG-1	150	200	0-80 L/S
TG-2	150	250	81-110 L/S
TG-3	150	300	111-145 L/S
TG-4	200	300	146-210 L/S
TG-5	200	350	211-250 L/S
TG-6	300	600	500-950 L/S

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GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE NATIONAL BUILDING CODE OF CANADA 2010, NATIONAL PLUMBING CODE OF CANADA 2010, APPLICABLE LOCAL AND PROVINCIAL LAWS AND REGULATIONS AND THE AUTHORITY HAVING JURISDICTION.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS FOR MECHANICAL EQUIPMENT & PLUMBING. THIS CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS ON SITE PRIOR TO INSTALLATION AND SHALL COORDINATE THE LOCATIONS SO AS NOT TO CAUSE INTERFERENCE WITH THE WORK OF OTHER TRADES.
- CONTRACTOR IS RESPONSIBLE TO VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS WHICH COULD AFFECT THE WORK. NO EXTRA COST WILL BE ALLOWED DUE TO FAILURE TO TAKE SITE CONDITIONS INTO CONSIDERATION. BE FAMILIAR WITH ALL RELATED WORK TO AVOID CONFLICTS WITH OTHER TRADES. IF THERE IS ANY CONFLICTS REPORT TO ENGINEER.
- THIS CONTRACTOR SHALL COORDINATE ALL FLOOR, CEILING AND WALL PENETRATIONS WITH GENERAL CONTRACTOR AND/OR THE OWNER PRIOR TO CUTTING.

NO.	REVISION	DATE
0	ISSUED FOR TENDER	2022/02/25
D	ISSUED FOR 99% REVIEW	2022/02/04
C	ISSUED FOR COORDINATION	2022/01/28
B	ISSUED FOR COORDINATION	2021/12/17
A	ISSUED FOR COORDINATION	2021/11/26

LEGEND:
A: DETAIL NUMBER
B: REFERENCE DWG NO.
C: DETAIL DWG NO.

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TCFSA Administration Building Addition
Tobique First Nation, NB

- MECHANICAL -
VENTILATION DIAGRAM, SCHEDULES & DETAILS
SCALE: AS SHOWN
November, 2021
A2135 **MV2**

