

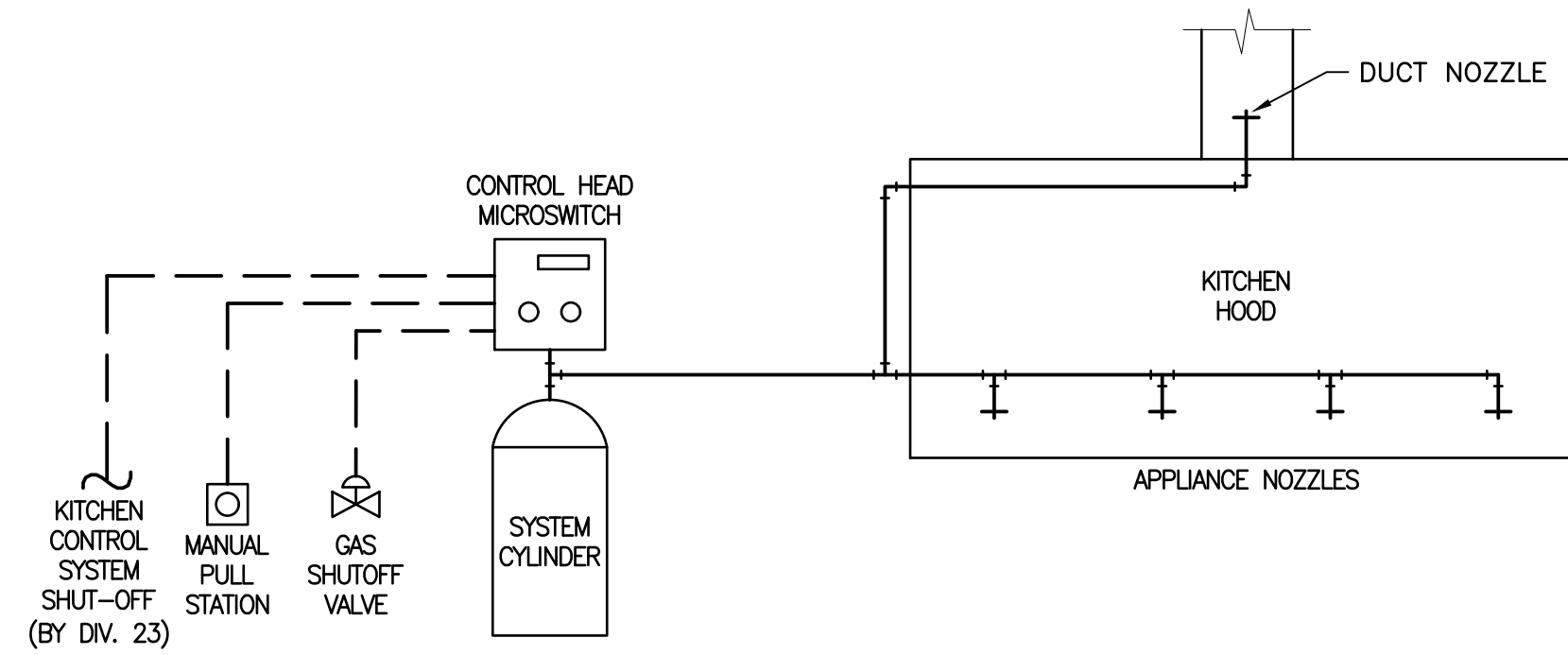
PARK CENTER BUILDING PLAN VIEW - FIRE PROTECTION
SCALE: 1:50

FIRE PROTECTION LEGEND	
⊗	FIRE EXTINGUISHER (REFER TO SPECS FOR TYPE AND SIZE)
Ⓚ	KITCHEN FIRE SUPPRESSION SYSTEM MANUAL PULL STATION

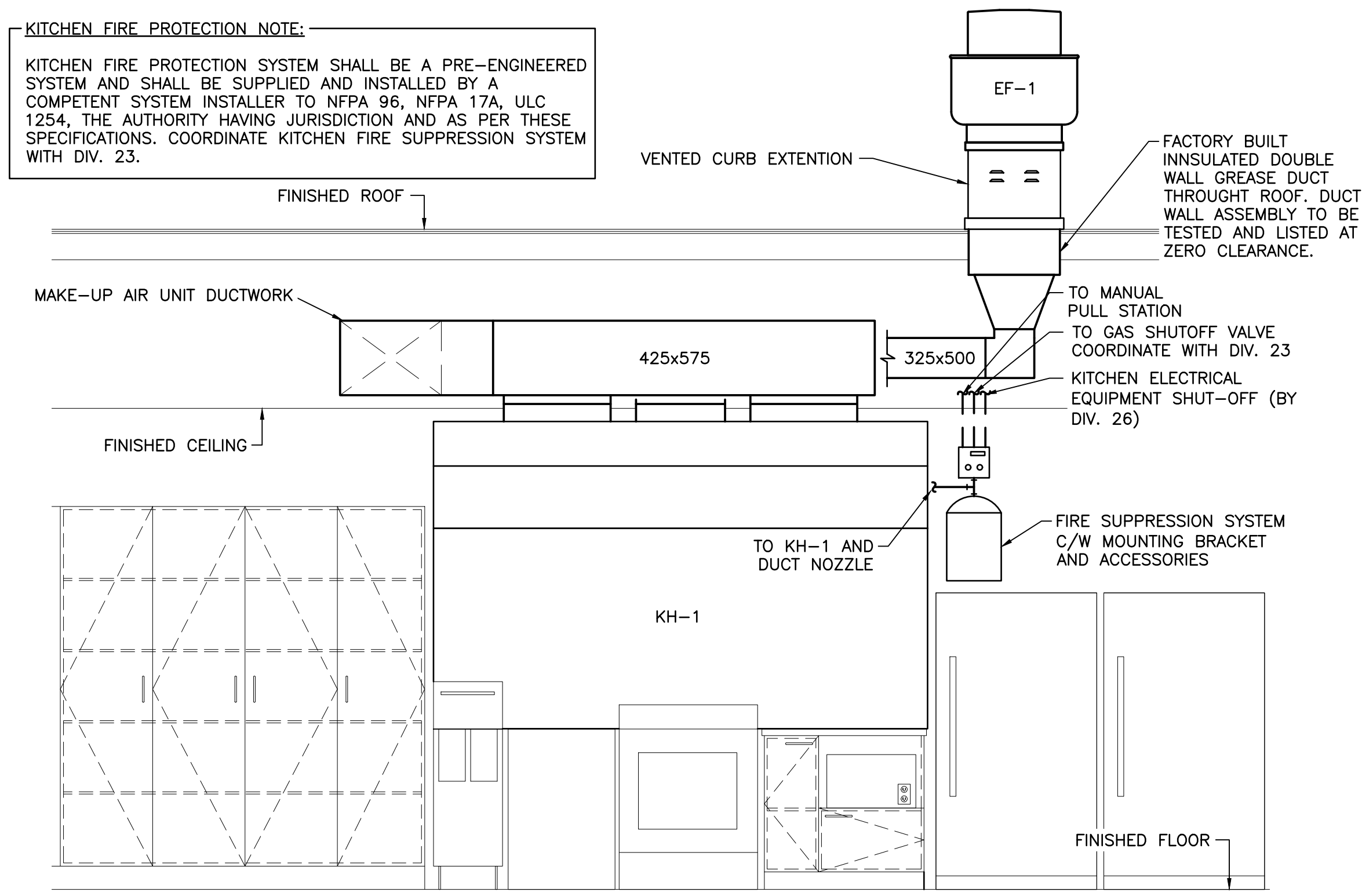
- GENERAL NOTES:**
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 - THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS FOR MECHANICAL EQUIPMENT & PLUMBING. THIS CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS ON SITE PRIOR TO INSTALLATION AND SHALL COORDINATE THE LOCATIONS SO AS NOT 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 ARE 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.

FIRE PROTECTION NOTES:

- REFER TO SPECIFICATIONS FOR FIRE EXTINGUISHER SIZE AND TYPE.



TYPICAL KITCHEN FIRE SUPPRESSION SYSTEM DIAGRAM
N.T.S.



KITCHEN FIRE PROTECTION NOTE:

KITCHEN FIRE PROTECTION SYSTEM SHALL BE A PRE-ENGINEERED SYSTEM AND SHALL BE SUPPLIED AND INSTALLED BY A COMPETENT SYSTEM INSTALLER TO NFPA 96, NFPA 17A, ULC 1254, THE AUTHORITY HAVING JURISDICTION AND AS PER THESE SPECIFICATIONS. COORDINATE KITCHEN FIRE SUPPRESSION SYSTEM WITH DIV. 23.

KITCHEN FIRE SUPPRESSION SYSTEM DETAIL
SCALE: 1:25

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR CONSTRUCTION		F.G. 2022-09-23
0	ISSUED FOR TENDER		F.G. 2022-06-31
A	ISSUED FOR 50% REVIEW		S.C. 2021-06-18

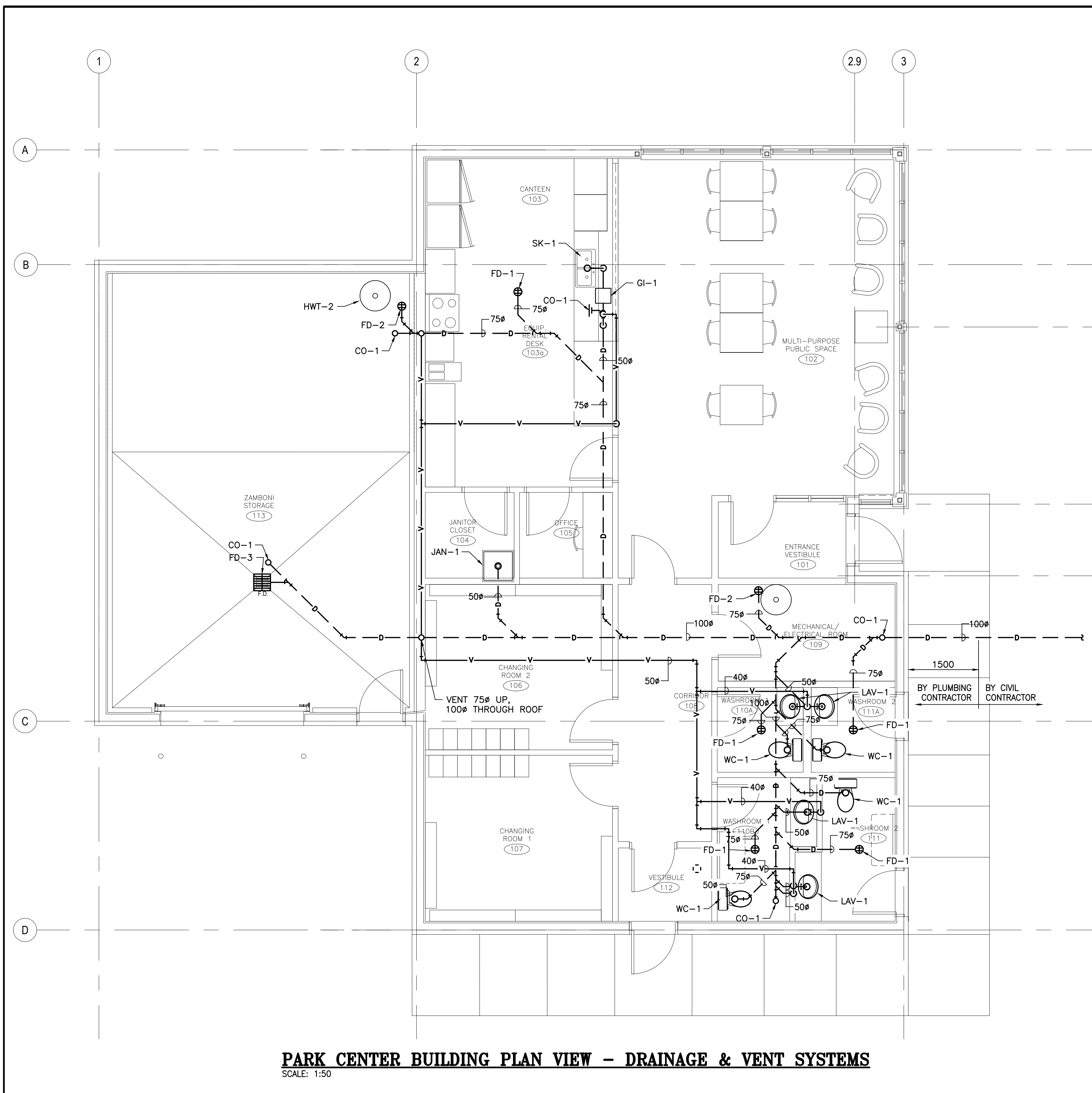
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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
-MECHANICAL- FIRE PROTECTION PLAN VIEWS

DESIGN: F. GODIN APPROVED: F. GODIN
DRAWN: S. COMEAU DATE: 2021-05-01
VERIFIED: G. ARSENEAU SCALE: AS SHOWN

PROJECT NO: **9223-18-00** DRAWING NO: **FP1**



PARK CENTER BUILDING PLAN VIEW - DRAINAGE & VENT SYSTEMS

SCALE: 1:50

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE NATIONAL BUILDING CODE OF CANADA EDITION 2015, NATIONAL FIRE CODE OF CANADA EDITION 2015, NATIONAL PLUMBING CODE OF CANADA EDITION 2015, NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS EDITION 2011, NFPA 10, NFPA 17A, NFPA 96, NB REGULATION 2021-3, CSA B651-18 - ACCESSIBLE DESIGN FOR THE BUILT ENVIRONMENT, CSA B149.1-15 - NATURAL GAS AND PROPANE INSTALLATION CODE, CSA B149.2-15 - PROPANE STORAGE AND AND TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
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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.
5. ALL UNDERGROUND DRAINAGE PIPING SHALL BE MINIMUM 50ø.

PLUMBING LEGEND	
	DCW DOMESTIC COLD WATER LINE
	DHW DOMESTIC HOT WATER LINE
	D SANITARY DRAIN LINE
	SANITARY UNDERGROUND OR BELOW FLOOR DRAIN LINE
	V VENT LINE
	VENT UNDERGROUND OR BELOW FLOOR LINE
	TP TRAP PRIMER LINE
	TRAP PRIMER UNDERGROUND OR BELOW FLOOR LINE
	FLOOR CLEANOUT CO-1 - INDICATES TYPE (REFER TO SCHEDULE)
	WALL CLEANOUT AT BOTTOM OF RISER CO-2 - INDICATES TYPE (REFER TO SCHEDULE)
	CEILING SPACE CLEANOUT CO-3 - INDICATES TYPE (REFER TO SCHEDULE)
	FLOOR DRAIN FD-1 - INDICATES TYPE (REFER TO SCHEDULE)
	WATER HAMMER ARRESTOR WH-1 - INDICATES TYPE (REFER TO SCHEDULE)
	TRAP SEAL PRIMER TP-1 - INDICATES TYPE (REFER TO SCHEDULE)
	HOSE BIB HB-1 - INDICATES TYPE (REFER TO SCHEDULE)
	DOUBLE CHECK VALVE ASSEMBLY (DCVA) DCV-1 - INDICATES TYPE (REFER TO SCHEDULE)
	REDUCED PRESSURE ZONE ASSEMBLY (RP) RP-1 - INDICATES TYPE (REFER TO SCHEDULE)
	STRAINER ST-1 - INDICATES TYPE (REFER TO SCHEDULE)
	LINE GOING DOWN
	LINE GOING UP
	TEE DOWN
	UNION
	TEE
	90° ELBOW
	WYE
	REDUCER
	BALL VALVE
	GATE VALVE
	CHECK VALVE

ARCHITECTS:

EVOQ

1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
T. 514-993-9490 F. 514-993-9498
info@evoqarchitecture.com

ENGINEERS:

ROY CONSULTANTS
ENGINEERING SERVICES D'INGÉNIERIE

13, rue Costigan Street
Edmundston (NB) E3V 1W7
T. / 506.737.9730
F. / 506.548.2207

#493-18-4A

CLIENT:

Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR CONSTRUCTION	F.G.	2022-09-23
0	ISSUED FOR TENDER	F.G.	2022-06-31
A	ISSUED FOR 50% REVIEW	S.C.	2021-06-18

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SEAL

PROJECT:

KCIW KNICANEWEK SPORTS
AND RECREATION PARK -
PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

DRAWING TITLE:

**-MECHANICAL-
DRAINAGE & VENT SYSTEMS
PLAN VIEWS**

DESIGN: F. GODIN

APPROVED: F. GODIN

DRAWN: F. GODIN

DATE: 2021-05-01

VERIFIED: G. ARSENEAU

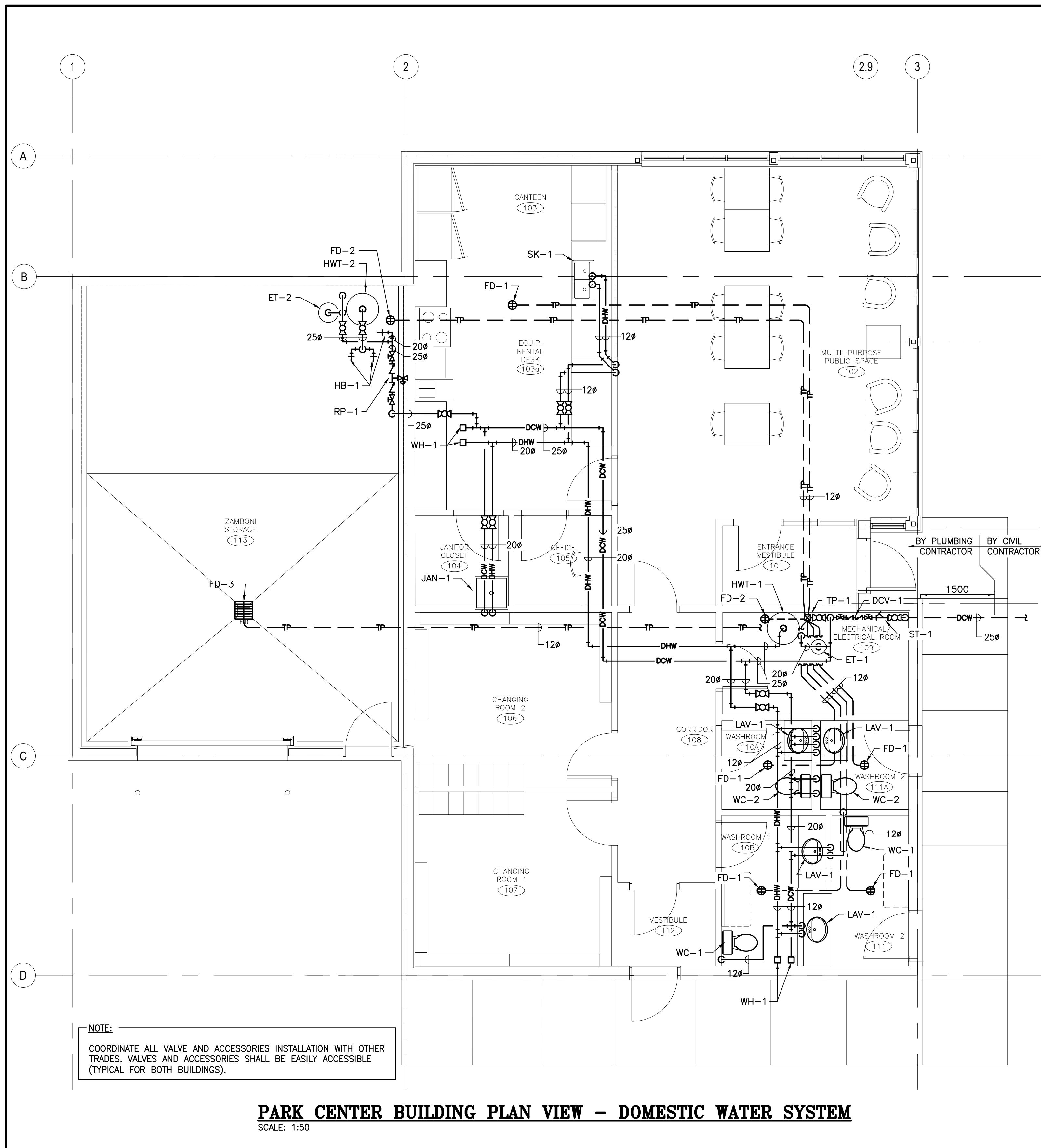
SCALE: AS SHOWN

PROJECT NO:

9223-18-00

DRAWING NO:

MP1



PARK CENTER BUILDING PLAN VIEW - DOMESTIC WATER SYSTEM
SCALE: 1:50

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE NATIONAL BUILDING CODE OF CANADA EDITION 2015, NATIONAL FIRE CODE OF CANADA EDITION 2015, NATIONAL PLUMBING CODE OF CANADA EDITION 2015, NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS EDITION 2011, NFPA 10, NFPA 17A, NFPA 96, NB REGULATION 2021-3, CSA B651-18 - ACCESSIBLE DESIGN FOR THE BUILT ENVIRONMENT, CSA B149.1-15 - NATURAL GAS AND PROPANE INSTALLATION CODE, CSA B149.2-15 - PROPANE STORAGE AND AND TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
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PLUMBING SCHEDULE

TYPE	DESCRIPTION	MODEL	ACCESSORIES	PIPING				NOTES
				C	H	SAN	V	
WC-1	BARRIER FREE WATER CLOSET W/ RIGHT HAND LEVER & LOCKING TANK	BOWL: CONTRAC 4722BHV TANK: CONTRAC 4721BFV-RH-L (LOCKING & LINED TANK)	SUPPLY: DELTA COMMERCIAL 47P1316SD SEAT: BEMIS 1955CT 000	12ø	12ø	75ø	-	-
WC-2	STANDARD WATER CLOSET	AMERICAN STANDARD 215CA.004 C/W AQUAGUARD LINER & TANK COVER LOCKING DEVICE 4188A.074	SUPPLY: DELTA COMMERCIAL 47P1316SD SEAT: BEMIS 1955CT 000	12ø	12ø	75ø	-	-
LAV-1	COUNTERTOP LAVATORY	AMERICAN STANDARD 0477.028	FAUCET: DELTA COMMERCIAL 21C154 SUPPLIES: DELTA COMMERCIAL 47P2512SD WASTE: DELTA COMMERCIAL 33T290 TRAP: DELTA COMMERCIAL 33T211 WASTE & TRAP INSULATION: McGUIRE PROWRAP	12ø	12ø	32ø	32ø	-
SK-1	STAINLESS STEEL, SINGLE COMPARTMENT SINK	KINDRED LBS4010P-1/3	FAUCET: DELTA COMMERCIAL 100LF-HDF SUPPLIES: DELTA COMMERCIAL 47P2512SD BASKET STRAINER & TAILPIECE: McGUIRE 151 TRAP: ABS	12ø	12ø	40ø	40ø	INSTALL SUPPLY AND SANITARY PIPING IN CABINET NEATLY AND SECURE ON WALL.
JAN-1	JANITOR MOP BASSIN	FIAT TSB3000 (610x610) STOCKTON	SERVICE SINK FAUCET: FIAT 830AA SERVICE FAUCET ADAPTER: FIAT 834AA HOSE/BRAKET COMBINATION: FIAT 832AA MOP HANGER BRAKET 889CC STRAINER: FIAT 1453BB VANDAL PROOF DRAIN ASSEMBLY: FIAT 51340075000 WALL GUARD: FIAT MSG2424 QUICK DRAIN CONNECTOR: FIAT QDC32 TERRAZZO REPAIR KIT: TERRAZZOKIT	20ø	20ø	50ø	50ø	-
FD-1	GENERAL FLOOR DRAIN	JAY R. SMITH 2005Y-B-P050-U(A)	-	-	-	75ø	-	REFER TO FLOOR DRAIN DETAIL ON DRAWING MP3
FD-2	FUNNEL FLOOR DRAIN	JAY R. SMITH 3510Y-B-P050-U (FIG. 3590)	-	-	-	75ø	-	REFER TO FLOOR DRAIN DETAIL ON DRAWING MP3
FD-3	GARAGE FLOOR DRAIN	JAY R. SMITH 2410C-U-G	C/W TRAP PRIMER CONNECTION	-	-	100ø	-	REFER TO HEAVY DUTY FLOOR DRAIN DETAIL ON DRAWING MP3
CO-1	FLOOR CLEANOUT	JAY R. SMITH FINISHED FLOOR: 4033L-U TILE FLOOR: 4153L-U CERAMIC FLOOR: 4193L-U HEAVY-DUTY: 4233L-U	-	-	-	-	-	SEE PLAN
C-2	GREASE INTERCEPTOR CLEANOUT	CLEANOUT TEE AND COUNTERSUNK TAPER THREAD PLUG	-	-	-	50ø	-	-
DCV-1	DOUBLE CHECK VALVE ASSEMBLY	WATTS LF707QT	-	25ø	-	-	-	REFER TO MAIN WATER ENTRANCE PIPING DETAIL ON DRAWING MP3
RP-1	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF009QT	AIR GAP: WATTS 909AGC	25ø	-	-	-	REFER TO REDUCED PRESSURE ZONE ASSEMBLY PIPING DETAIL ON DRAWING MP3
ST-1	STRAINER	WATTS LF777SI	-	25ø	-	-	-	REFER TO MAIN WATER ENTRANCE PIPING DETAIL ON DRAWING MP3
ST-2	STRAINER	WATTS LF777SI	-	20ø	-	-	-	REFER TO MAIN WATER ENTRANCE PIPING DETAIL ON DRAWING MP3
TP-1	TRAP PRIMER	P.P.P. INC. PTS-8	-	20ø	-	-	-	REFER TO TYPICAL TRAP PRIMER DETAIL ON DRAWING MP3
HWT-1	DOMESTIC HOT WATER TANK	GIANT 172STE-3F7M (60 GAL.) INPUT: 4,500W / VOLTAGE: 240V	C/W WATER HEATER STAND SUCH AS EASTMAN OR APPROVED EQUAL.	20ø	20ø	-	-	-
HWT-2	DOMESTIC HOT WATER TANK	GIANT 1124 (100 GAL.) INPUT: 12 KW / VOLTAGE: 240V	C/W WATER HEATER STAND SUCH AS EASTMAN OR APPROVED EQUAL.	25ø	25ø	-	-	-
ET-1	EXPANSION TANK	WATTS PLT-12	-	20ø	-	-	-	-
ET-2	EXPANSION TANK	WATTS PLT-35	-	25ø	-	-	-	-
WH-1	WATER HAMMER ARRESTOR	JAY R. SMITH SERIES 5000	-	SEE PLAN	SEE PLAN	-	-	-
HB-1	HOSE BIBB	WATTS SC8-6	-	20ø	-	-	-	-
GI-1	GREASE INTERCEPTOR	JAY R. SMITH 8004Y02-SS	-	-	-	50ø	-	-

ARCHITECTS:

EVOQ

1435, RUE SAINT-ALEXANDRE, BUREAU 1000
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T: 514-393-9400 F: 514-393-9498
info@evoqarchitecture.com

ENGINEERS:

ROY CONSULTANTS
ENGINEERING SERVICES D'INGÉNIERIE
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#493-18-4A

CLIENT:

Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

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0	ISSUED FOR TENDER		F.G. 2022-06-31
A	ISSUED FOR 50% REVIEW		S.C. 2021-06-18

REVISION:

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SEAL

PROJECT:

KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

DRAWING TITLE:

**-MECHANICAL-
DOMESTIC WATER SYSTEM
PLAN VIEWS**

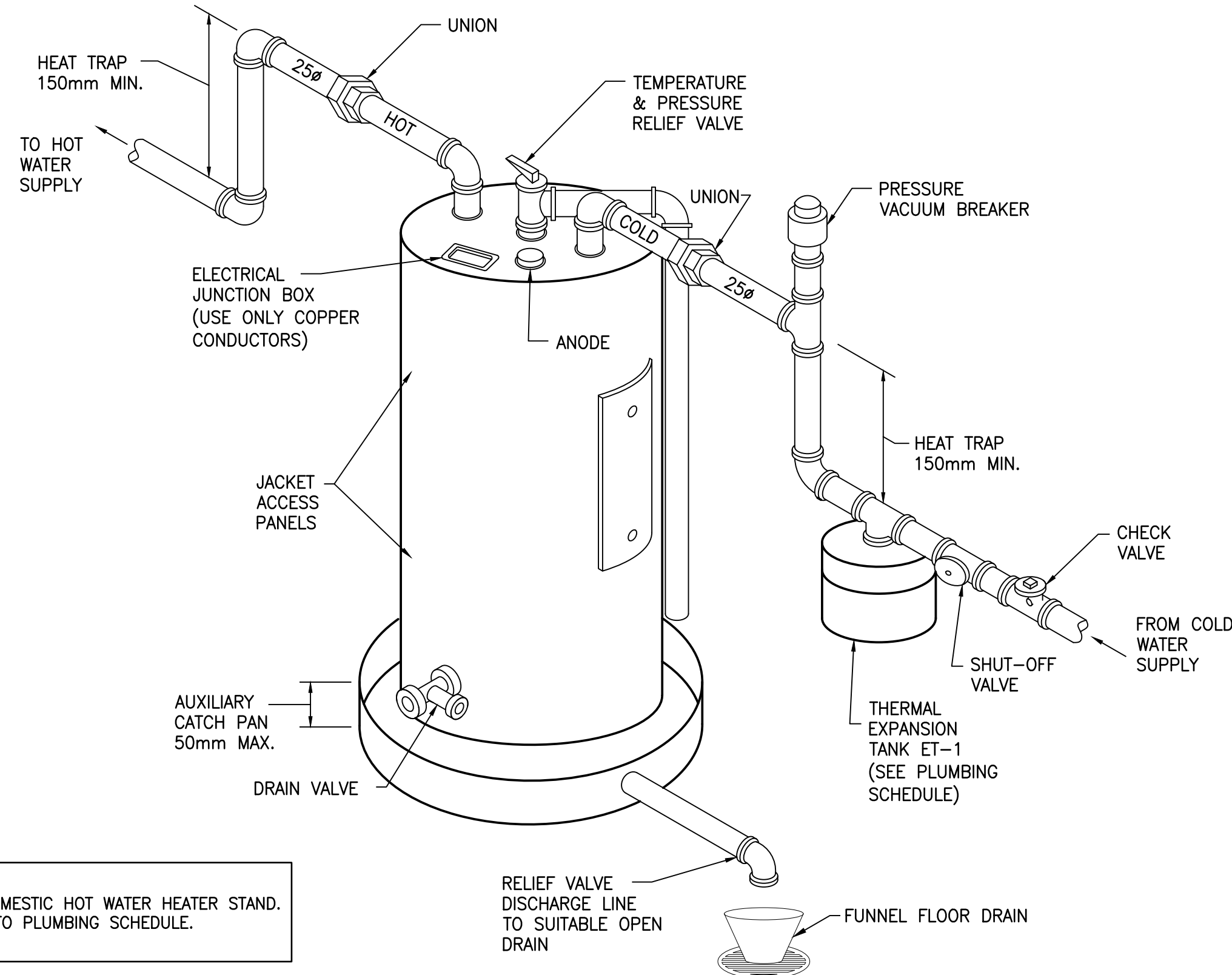
DESIGN: F. GODIN APPROVED: F. GODIN

DRAWN: S. COMEAU DATE: 2021-05-01

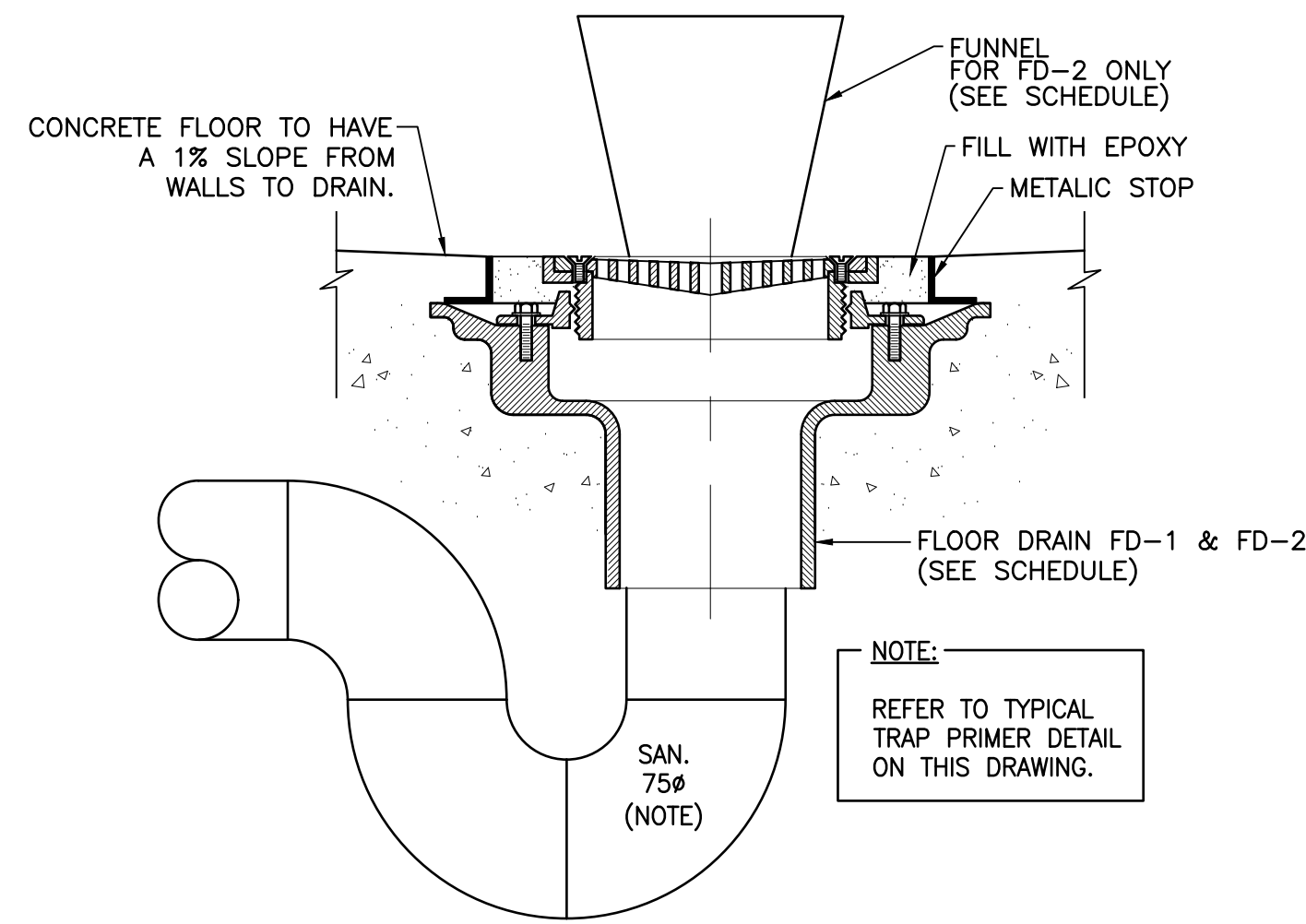
VERIFIED: G. ARSENAU SCALE: AS SHOWN

PROJECT NO: 9223-18-00 DRAWING NO: MP2

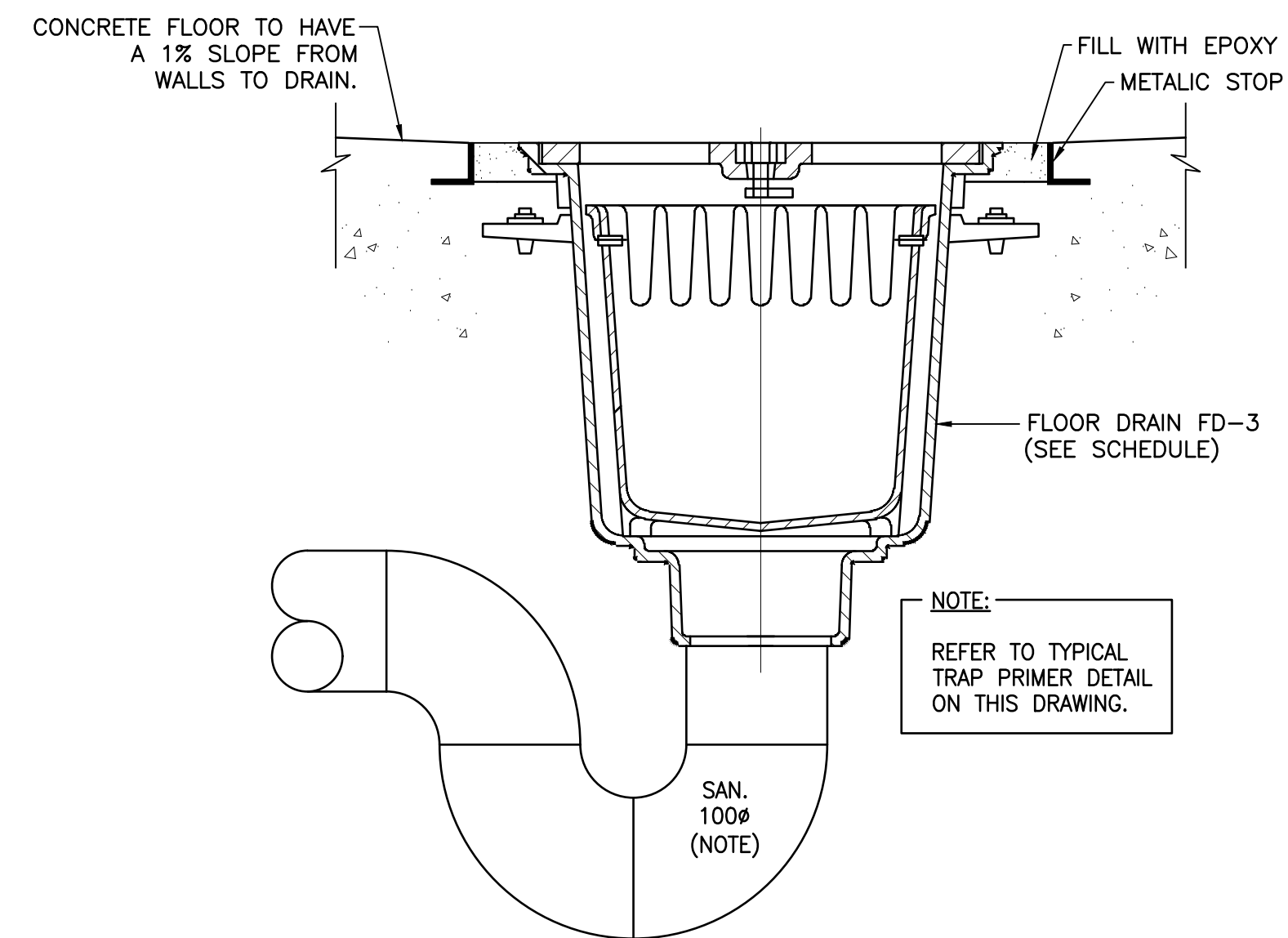
9223-18-00 MP2



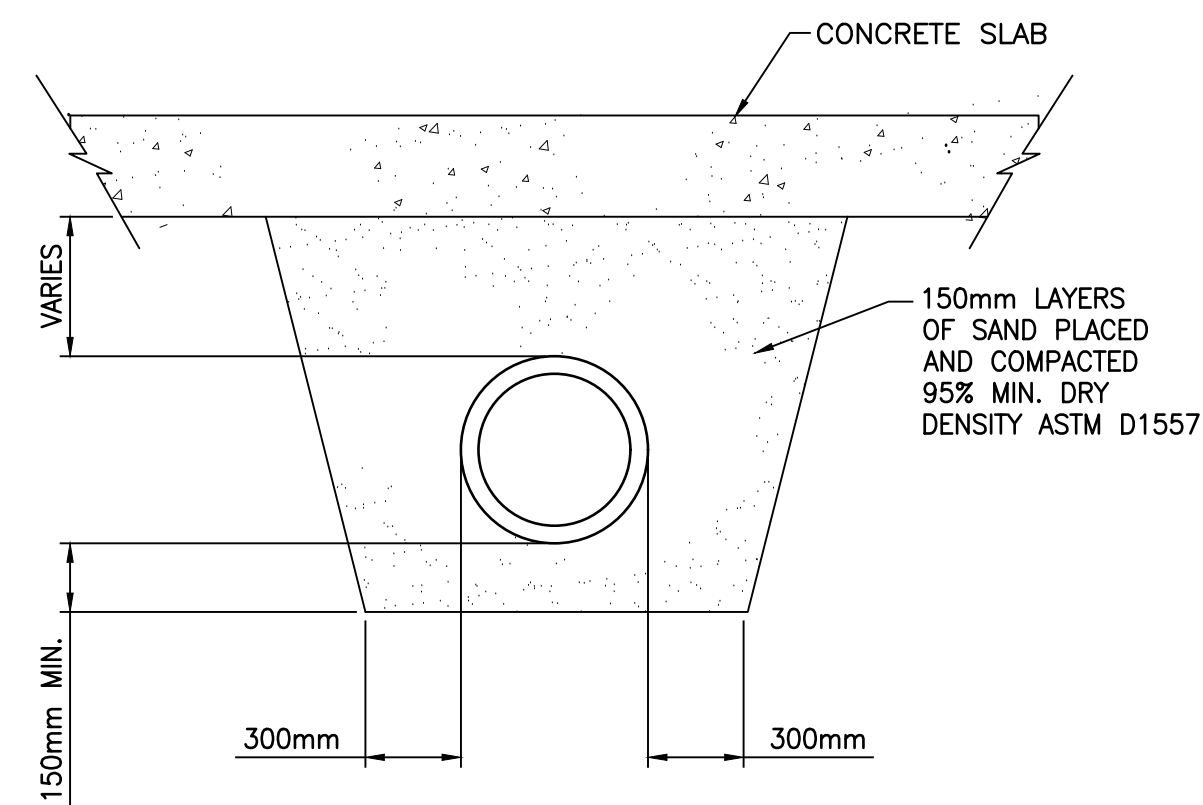
DOMESTIC HOT WATER TANKS PIPING DETAIL
N.T.S.



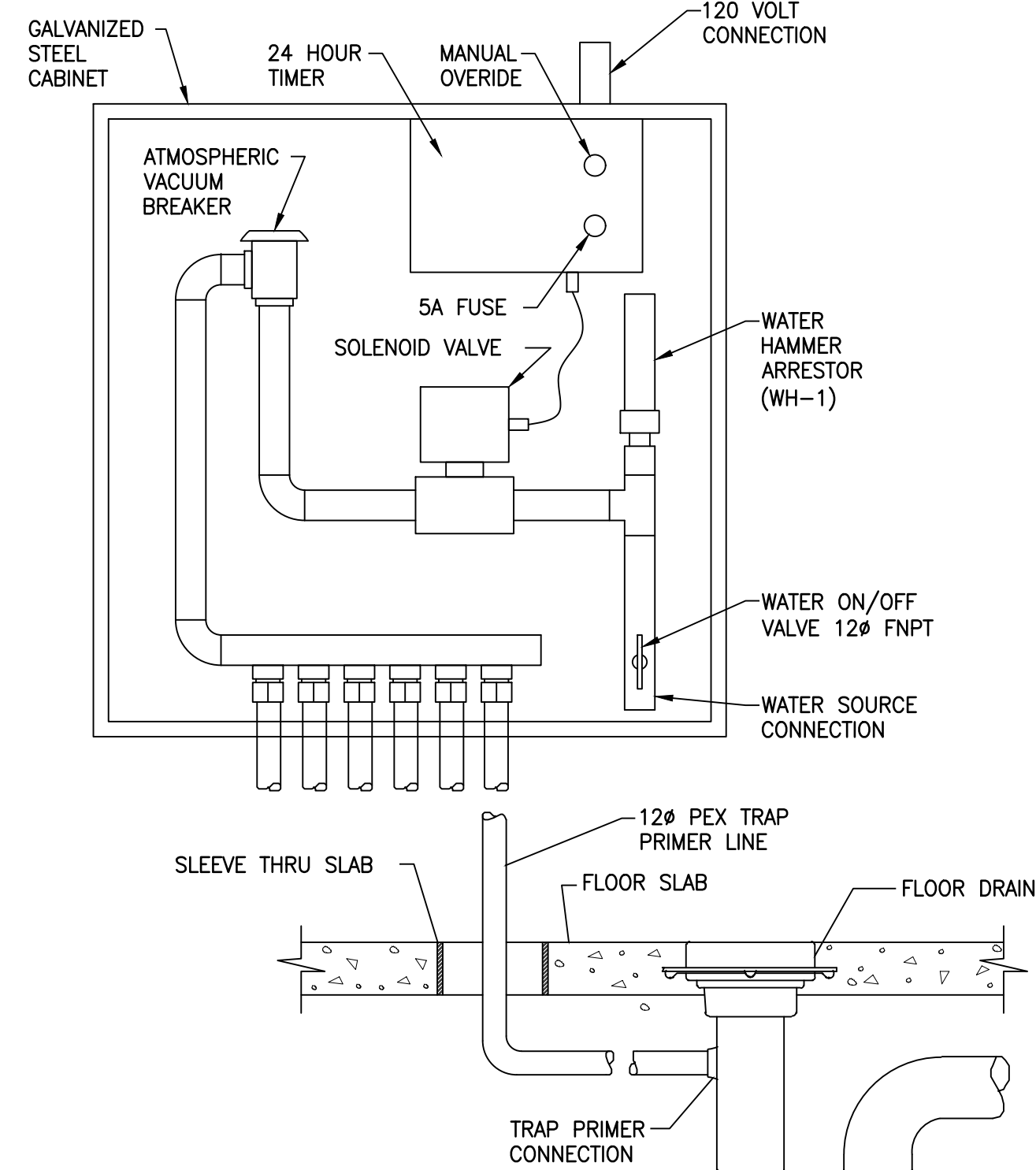
FLOOR DRAIN DETAILS
N.T.S.



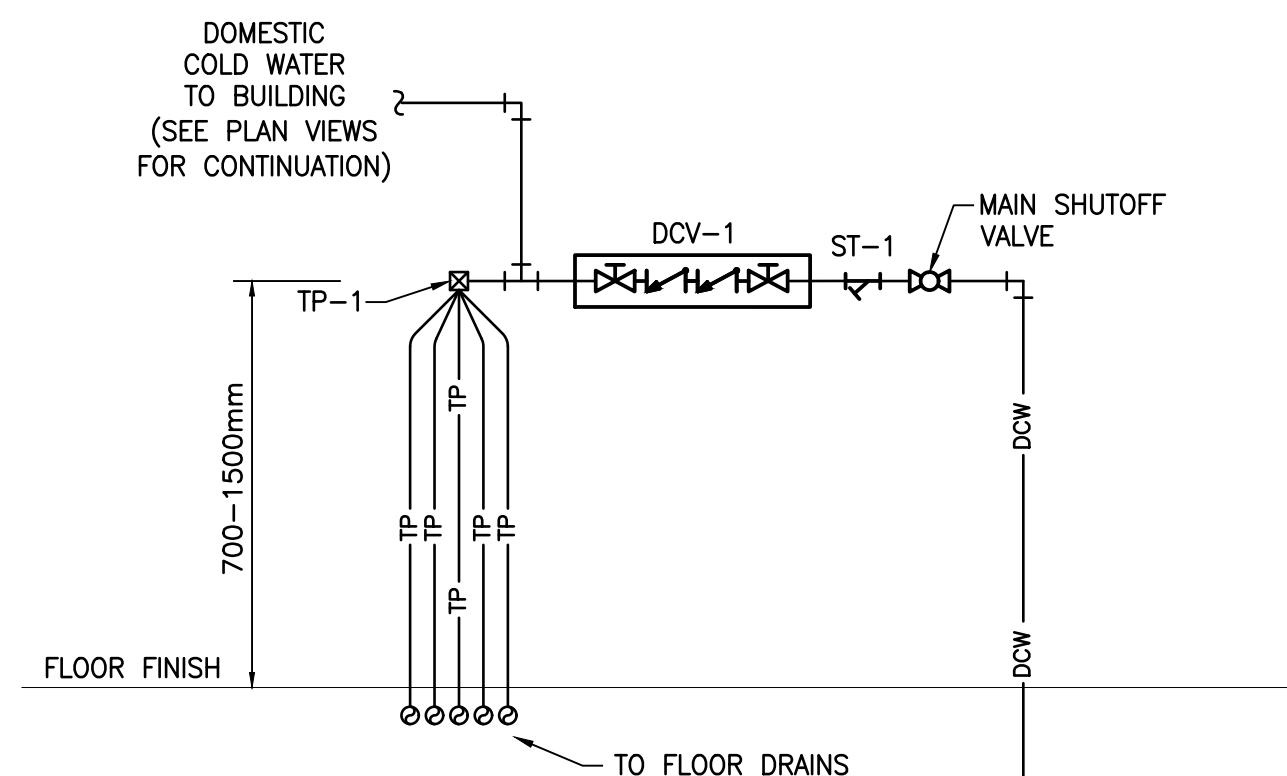
HEAVY DUTY FLOOR DRAINS DETAIL
N.T.S.



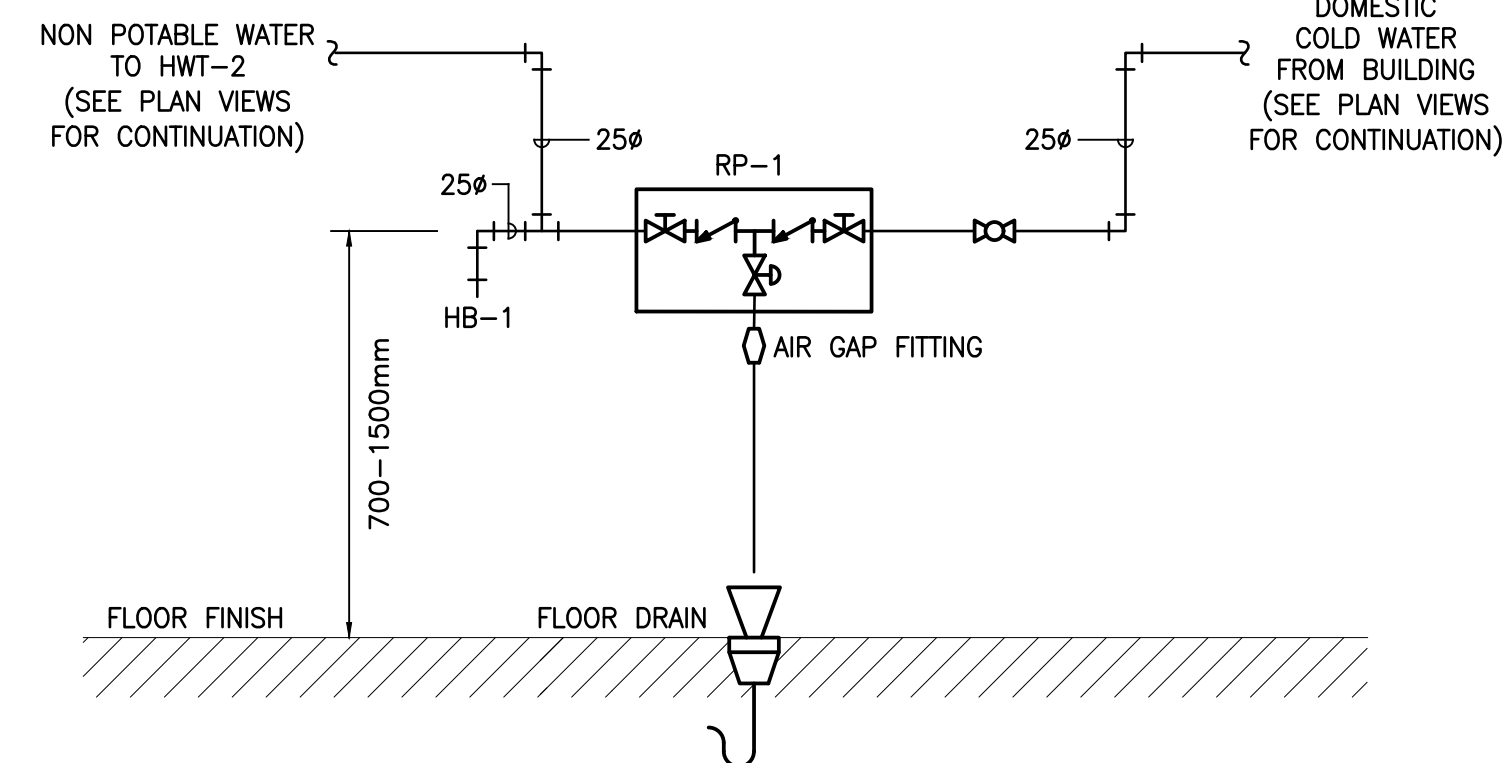
TYPICAL PIPE UNDER SLAB DETAIL
N.T.S.



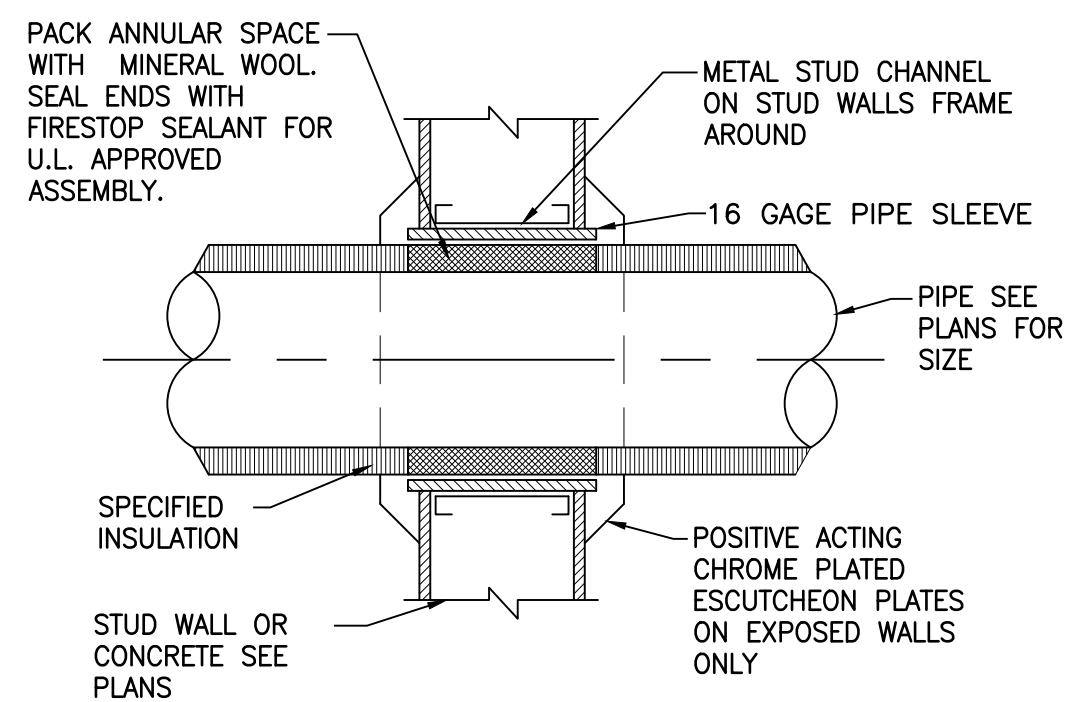
TYPICAL TRAP PRIMER DETAIL
N.T.S.



TYPICAL WATER ENTRANCE PIPING DETAIL
N.T.S.



REDUCED PRESSURE ZONE ASSEMBLY PIPING DETAIL - ZAMBONI STORAGE 115
N.T.S.



PIPE THROUGH WALL DETAIL
N.T.S.

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SEAL

PROJECT:

KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:

-MECHANICAL- PROPANE PIPING CONNECTIONS & DETAILS

DESIGN: F. GODIN

APPROVED: F. GODIN

DRAWN: F. GODIN

DATE: 2021-05-01

VERIFIED: G. ARSENEAU

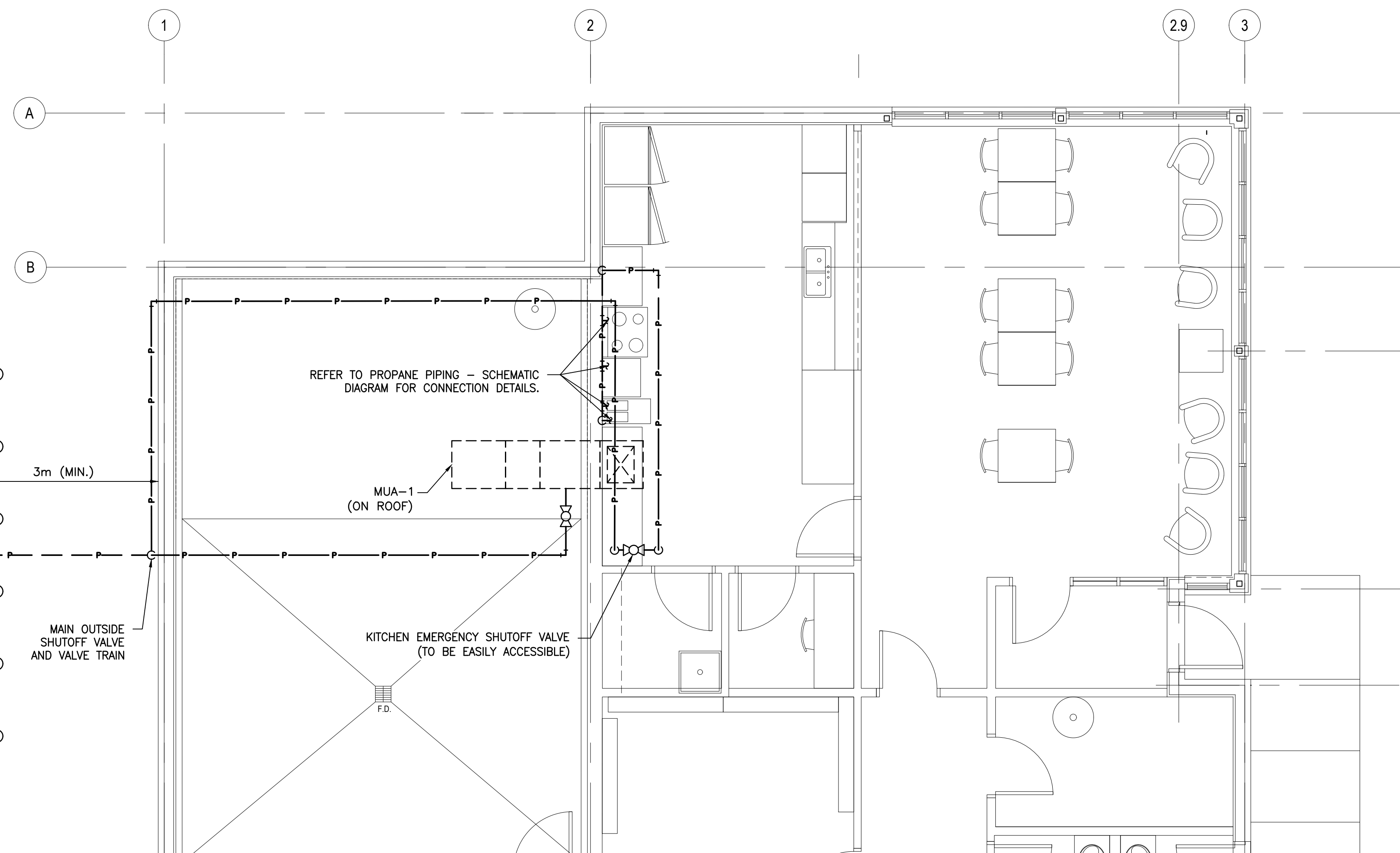
SCALE: AS SHOWN

PROJECT NO:

9223-18-00

DRAWING NO:

MH1



PARK CENTER BUILDING PLAN VIEW - PROPANE CONNECTION DETAILS

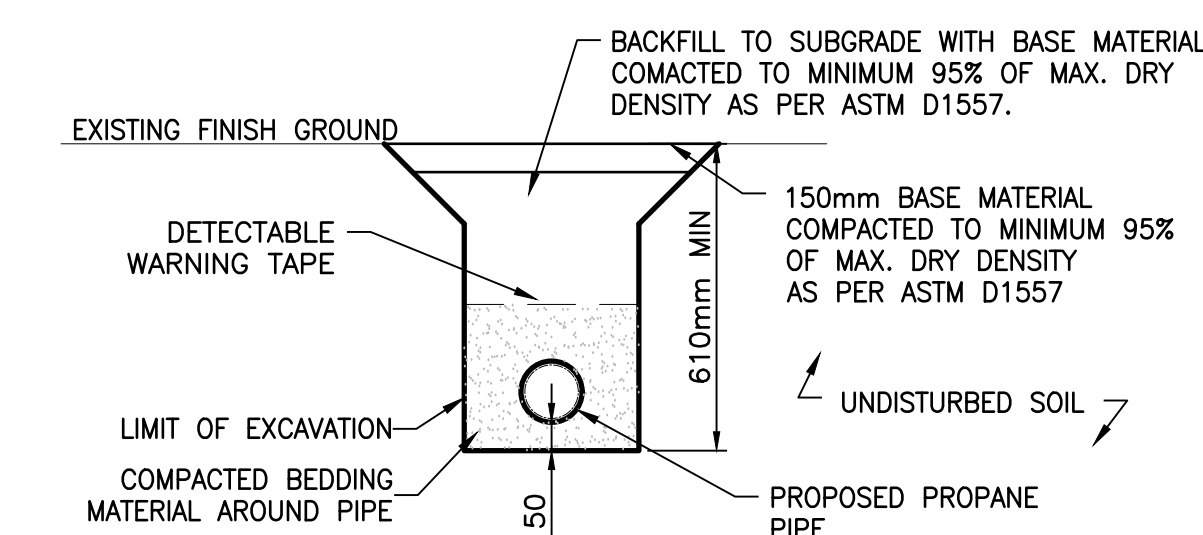
SCALE: 1:50

NOTES:

REFER TO SCHEMATIC ON THIS DRAWING FOR PIPE SIZE AND ARRANGEMENT.

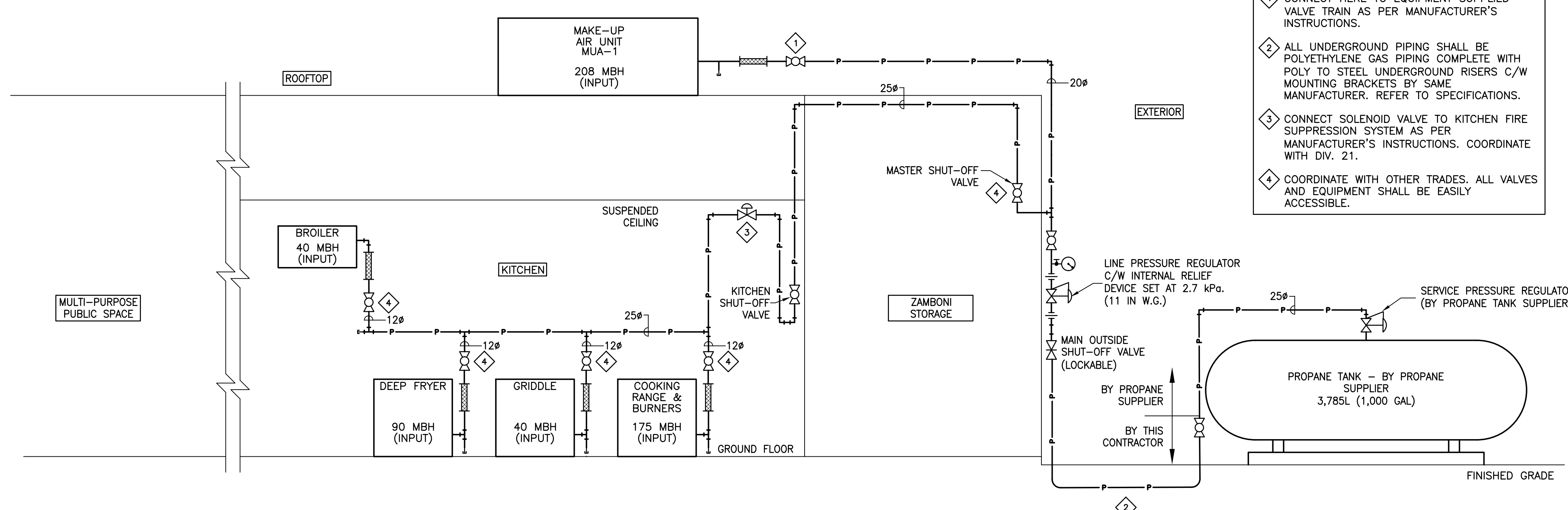
UNDERGROUND PROPANE PIPING DETAIL

N.T.S.



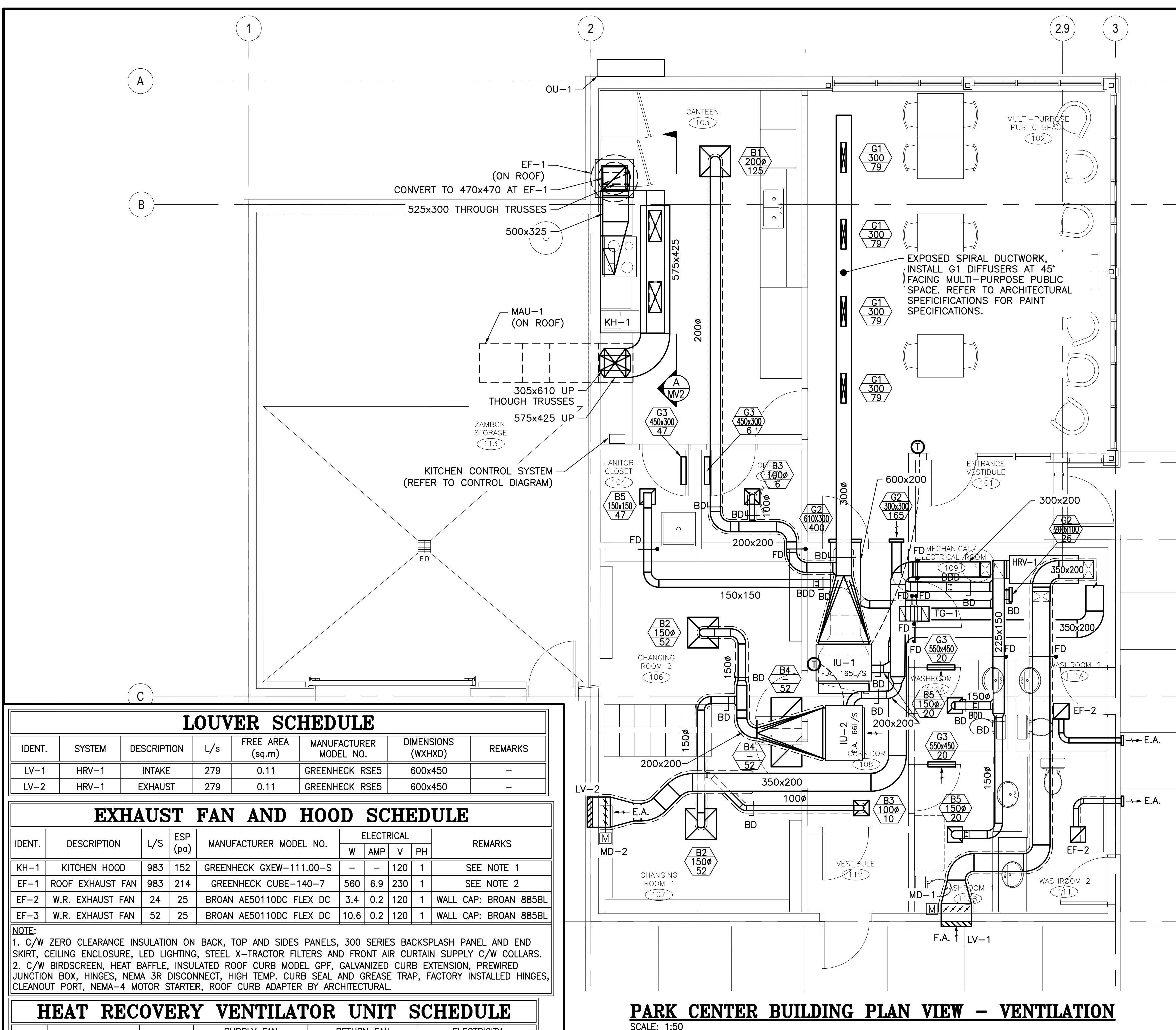
DRAWING NOTES:

- CONNECT HERE TO EQUIPMENT SUPPLIED VALVE TRAIN AS PER MANUFACTURER'S INSTRUCTIONS.
- ALL UNDERGROUND PIPING SHALL BE POLYETHYLENE GAS PIPING COMPLETE WITH POLY TO STEEL UNDERGROUND RISERS C/W MOUNTING BRACKETS BY SAME MANUFACTURER. REFER TO SPECIFICATIONS.
- CONNECT SOLENOID VALVE TO KITCHEN FIRE SUPPRESSION SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH DIV. 21.
- COORDINATE WITH OTHER TRADES. ALL VALVES AND EQUIPMENT SHALL BE EASILY ACCESSIBLE.

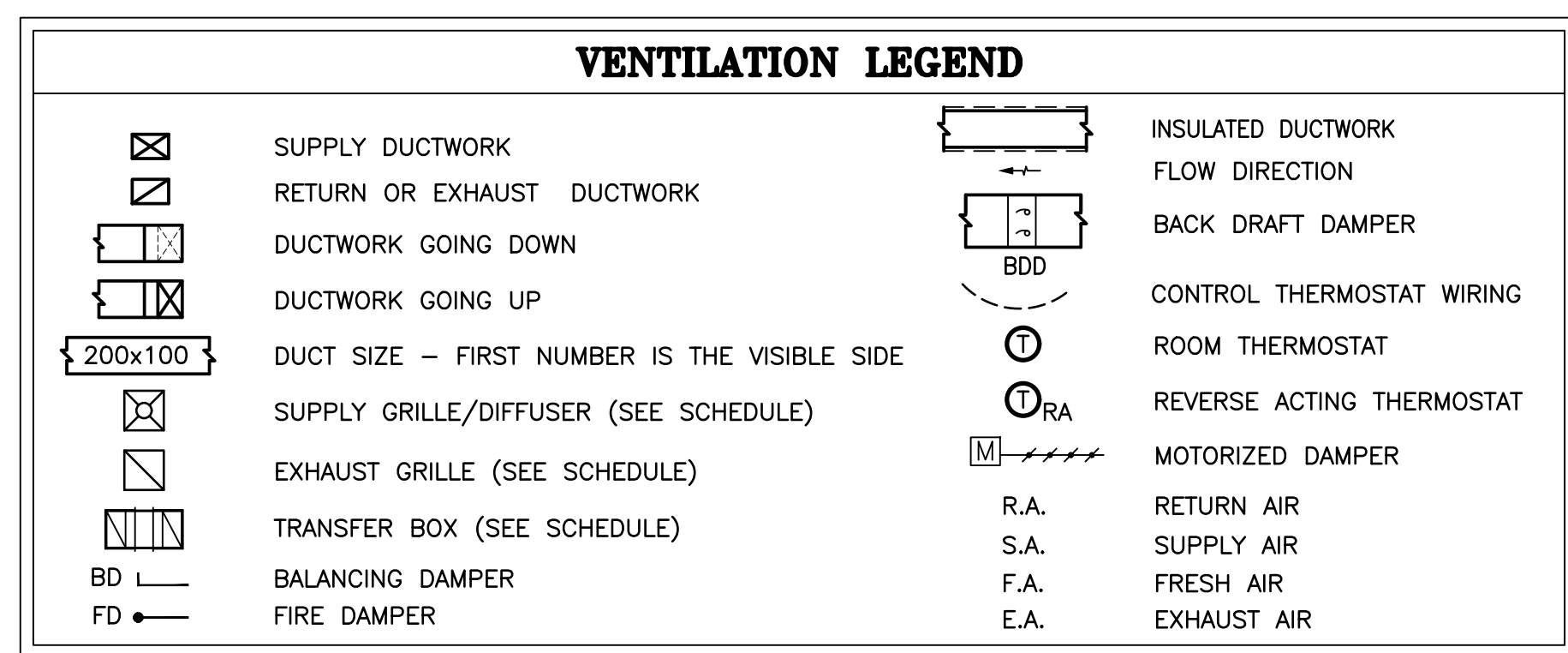


PROPANE PIPING - SCHEMATIC DIAGRAM

N.T.S.



PARK CENTER BUILDING PLAN VIEW - VENTILATION
 SCALE: 1:50



MOTORIZED DAMPER SCHEDULE						
IDENT.	SYSTEM	DESCRIPTION	L/S	MANUFACTURER MODEL NO.	DIMENSION (WXH)	REMARKS
MD-1	HRV-1	INTAKE	279	TAMCO SERIES 9000 FLANGED	650x450	BELIMO NFBUP PARALLEL BLADE FULLY INSULATED
MD-2	HRV-1	EXHAUST	279	TAMCO SERIES 9000 FLANGED	650x450	BELIMO NFBUP PARALLEL BLADE FULLY INSULATED

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE NATIONAL BUILDING CODE OF CANADA EDITION 2015, NATIONAL FIRE CODE OF CANADA EDITION 2015, NATIONAL PLUMBING CODE OF CANADA EDITION 2015, NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS EDITION 2011, NFPA 10, NFPA 17A, NFPA 96, NB REGULATION 2021-3, CSA B651-18 - ACCESSIBLE DESIGN FOR THE BUILT ENVIRONMENT, CSA B149.1-15 - NATURAL GAS AND PROPANE INSTALLATION CODE, CSA B149.2-15 - PROPANE STORAGE AND AND TO THE REQUIREMENTS OF 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 ARE 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.

LOUVER SCHEDULE							
IDENT.	SYSTEM	DESCRIPTION	L/s	FREE AREA (sq.m)	MANUFACTURER MODEL NO.	DIMENSIONS (WXHXD)	REMARKS
LV-1	HRV-1	INTAKE	279	0.11	GREENHECK RSE5	600x450	-
LV-2	HRV-1	EXHAUST	279	0.11	GREENHECK RSE5	600x450	-

EXHAUST FAN AND HOOD SCHEDULE									
IDENT.	DESCRIPTION	L/S	ESP (pa)	MANUFACTURER MODEL NO.	ELECTRICAL				REMARKS
					W	AMP	V	PH	
KH-1	KITCHEN HOOD	983	152	GREENHECK GXEW-111.00-S	-	-	120	1	SEE NOTE 1
EF-1	ROOF EXHAUST FAN	983	214	GREENHECK CUBE-140-7	560	6.9	230	1	SEE NOTE 2
EF-2	W.R. EXHAUST FAN	24	25	BROAN AE50110DC FLEX DC	3.4	0.2	120	1	WALL CAP: BROAN 885BL
EF-3	W.R. EXHAUST FAN	52	25	BROAN AE50110DC FLEX DC	10.6	0.2	120	1	WALL CAP: BROAN 885BL

NOTE:
 1. C/W ZERO CLEARANCE INSULATION ON BACK, TOP AND SIDES PANELS, 300 SERIES BACKSPASH PANEL AND END SKIRT, CEILING ENCLOSURE, LED LIGHTING, STEEL X-TRACTOR FILTERS AND FRONT AIR CURTAIN SUPPLY C/W COLLARS.
 2. C/W BIRDSCREEN, HEAT BAFFLE, INSULATED ROOF CURB MODEL GPF, GALVANIZED CURB EXTENSION, PREWIRED JUNCTION BOX, HINGES, NEMA 3R DISCONNECT, HIGH TEMP. CURB SEAL AND GREASE TRAP, FACTORY INSTALLED HINGES, CLEANOUT PORT, NEMA-4 MOTOR STARTER, ROOF CURB ADAPTER BY ARCHITECTURAL.

HEAT RECOVERY VENTILATOR UNIT SCHEDULE															
TAG NO.	MANUFACTURER & MODEL NO.	SYSTEM	SUPPLY FAN			RETURN FAN			ELECTRICITY						
			L/S	EXT. S.P. (Pa)	RPM	MOTOR (HP)	L/S	EXT. S.P. (Pa)	RPM	MOTOR (HP)	V	PH	MCA	MOCP	FLA
HRV-1	NUAIRE NU800HRV	FRESH AIR	231	124	1075	1/2	231	124	1075	1/2	120	1	12.3	20	9.8

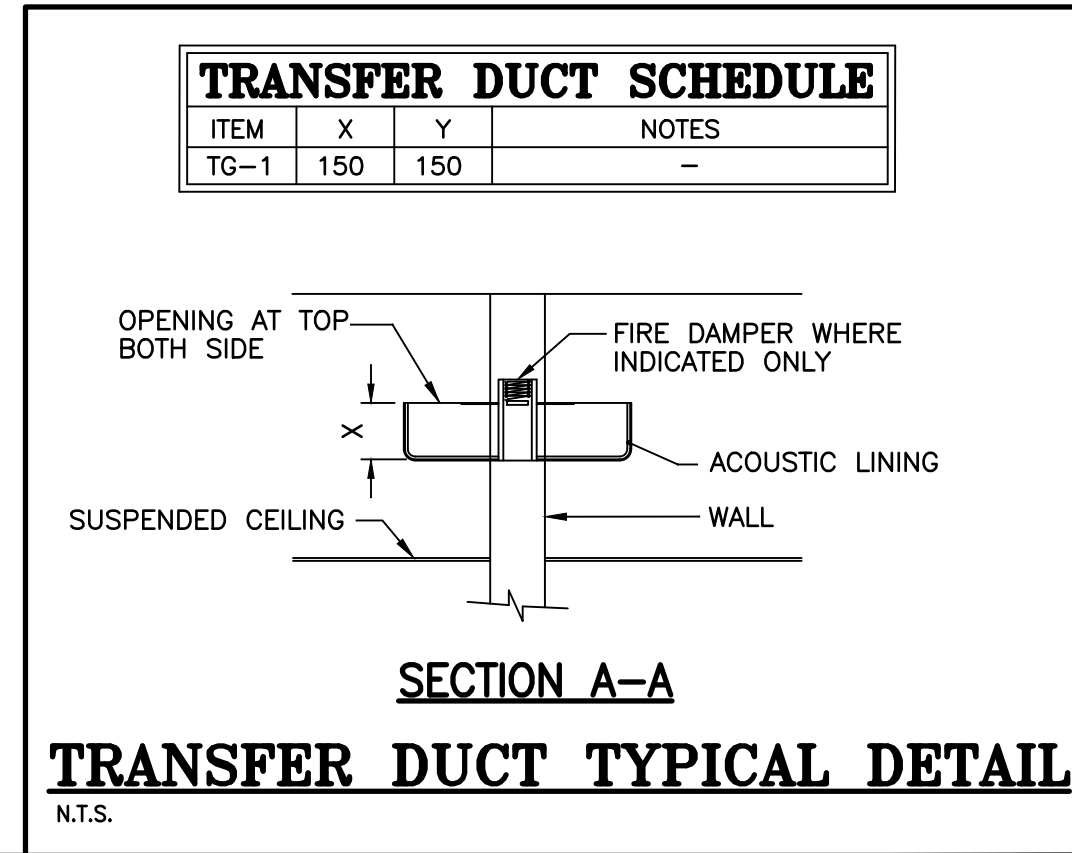
DIFFUSER & GRILLE SCHEDULE							
TYPE	DESCRIPTION	SERVICE	NECK SIZE (mm)	L/S	N.C. (MAX)	THROW T50 (M)	MANUFACTURER NO.
B1	T-BAR TYPE SQUARE CONE DIFFUSER	SUPPLY	150#	0-83	19	1.22	E.H. PRICE 610x610/SCD/31/3C/B12
B2	SURFACE MOUNTED SQUARE CONE DIFFUSER	SUPPLY	150#	0-83	19	1.22	E.H. PRICE 610x610/SCD/31/3C/B12 C/W APF FRAME
B3	T-BAR TYPE SQUARE CONE DIFFUSER	SUPPLY	100#	0-49	20	1.52	E.H. PRICE 305x305/SCD/31/3C/B12
B4	SURFACE MOUNTED PERFORATED DIFFUSER	RETURN	-	0-371	19	-	E.H. PRICE 610x610/PDDR/1/B12 (MAXIMUM SQUARE NECK)
B5	SURFACE MOUNTED PERFORATED DIFFUSER	RETURN	150#	0-93	15	-	E.H. PRICE 305x305/PDDR/1/B12 (ROUND DUCT CONNECTION)
B6	SURFACE MOUNTED PERFORATED DIFFUSER	RETURN	150#	0-118	16	-	E.H. PRICE 305x305/PDDR/1/B12 (MAXIMUM SQUARE NECK)
G1	SPIRAL DUCT GRILLE	SUPPLY	300#	79	-	7.6	E.H. PRICE 406x100/SDGE/A/AS/B12 C/W ADJUSTABLE AIR SCOOP
G2	FACE WALL GRILLE	RETURN	610x300	0-400	19	-	E.H. PRICE 530D-FR/FL/A/B12
G3	FIRE RATED TRANSFER DOOR GRILLE	INTAKE	450x300	-	-	-	E.H. PRICE 610GD-FR

MAKE-UP AIR UNIT SCHEDULE																	
ITEM NO.	MANUFACTURER MODEL	SUPPLY FAN PERFORMANCE					HEATING PERFORMANCE						REMARKS				
		FLOW L/S	SP EXT. (Pa)	RPM	MOTOR SIZE (HP)	V/PH/HZ	MCA	GAS TYPE	MIN. GAS PRESSURE (Pa)	MAX GAS PRESSURE (Pa)	CAPACITY INPUT (kW)	CAPACITY OUTPUT (kW)		TEMPERATURE RISE (°C)	EAT (°C)	LAT (°C)	
MUA-1	GREENHECK DGX-P109-H12-MF	983	100	1367	1.5	230/1/60	13.1	GAS	LP	747	3447	61	56.1	28	-24	21	SEE NOTE 1 & 2

NOTE:
 1. C/W REQUIRED GAS TRAIN, MERV8 FILTERS, WEATHER HOOD WITH BIRDSCREEN, AIR PROVING CONTACT SWITCH INTERLOCK, INLET DAMPER END SWITCH, INLET AIR SENSOR, MOTORIZED INLET DAMPER, 1-YR WARRANTY, GALVANIZED FINISH, NON-PWRD CONVENIENCE OUTLET, DOUBLE WALL INSULATION, FACTORY PRE-WIRED KITCHEN STYLE CONTROL PANEL C/W ROOM SENSOR, AND INSULATED ROOF CURB.
 2. ROOF CURB ADAPTOR BY ARCHITECTURAL.

HEAT PUMP SCHEDULE																	
OUTDOOR UNIT ID	MANUFACTURER & MODEL No.	OUTDOOR CONDENSING UNIT				INDOOR EVAPORATOR UNIT				ELECTRICAL							
		HEATING kW	COP	COOLING kW	EER	MCA	V	PH	HZ	INDOOR UNIT ID	MANUFACTURER & MODEL No.	HEATING CAPACITY (kW)	COOLING CAPACITY (kW)	MCA	V	PH	HZ
OU-1	MITSUBISHI PEFY-48NMAU-E2	19.4	N/A	17.6	11.1/13.3	36	240	1	60	IU-1	MITSUBISHI PEFY-48NMAU-E2	15.8	14	2.73	240	1	60
OU-2	MITSUBISHI PUMY-P60NKMU2	-	-	-	-	-	-	-	-	IU-2	MITSUBISHI PEFY-12NMAU-E2	4.0	3.5	2.13	240	1	60

NOTES:
 1. THE OUTDOOR UNIT (OU) MUST BE COMPLETE WITH A 900mm HIGH METAL BASE, VIBRATION ISOLATORS BRACKETS, WIND AND SNOW PROTECTION HOODS, AND A SNOWFALL ICE FALL PROTECTION HOUSING.
 2. EACH INDOOR UNIT MUST BE COMPLETE AND VIBRATION ISOLATORS BRACKETS AND OPTIONAL CONDENSATE PUMP. DRAIN TO FLOOR DRAIN LOCATED IN MECHANICAL ROOM.
 3. ALL REFRIGERATION PIPING, ADDITIONAL REFRIGERATION CHARGE AND CONTROL WIRING BETWEEN OUTDOOR UNIT AND INDOOR UNITS, BY REFRIGERATION CONTRACTOR. ALL PIPING AND WIRING SHALL BE INSTALLED IN CONCEALED CEILING SPACE.
 4. SUPPLY AND INSTALL WITH WIRED PROGRAMMABLE THERMOSTATS EQUIPPED WITH 2ND-STAGE HEAT OPTION, BY THE SAME MANUFACTURER AS THE HEAT-PUMP UNITS. CONNECT BASEBOARD'S RELAYS AS THERMOSTAT'S 2ND-STAGE HEAT AS SHOWN ON THE CONTROL DIAGRAMS AND ELECTRICAL DRAWINGS, COORDINATE WITH DIV. 26. REFER TO ELECTRICAL DRAWINGS FOR RELAYS LOCATION.
 5. THE MANUFACTURER'S REPRESENTATIVE SHALL VISIT THE SITE AT THE SUBSTANTIAL COMPLETION OF WORK AND PROVIDE AN INSPECTION REPORT CONFIRMING THAT THE INSTALLATION COMPLIES WITH ALL INSTRUCTIONS AND RECOMMENDATIONS OF THE MANUFACTURER.
 6. THE VARIABLE REFRIGERANT FLOW SYSTEM SHALL INCLUDE ALL COMPONENTS AND ACCESSORIES OF THE SAME MANUFACTURER FOR A COMPLETE AND FUNCTIONAL SYSTEM.



NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR CONSTRUCTION	F.G.	2022-09-23
0	ISSUED FOR TENDER	F.G.	2022-06-31
A	ISSUED FOR 50% REVIEW	S.C.	2021-06-18

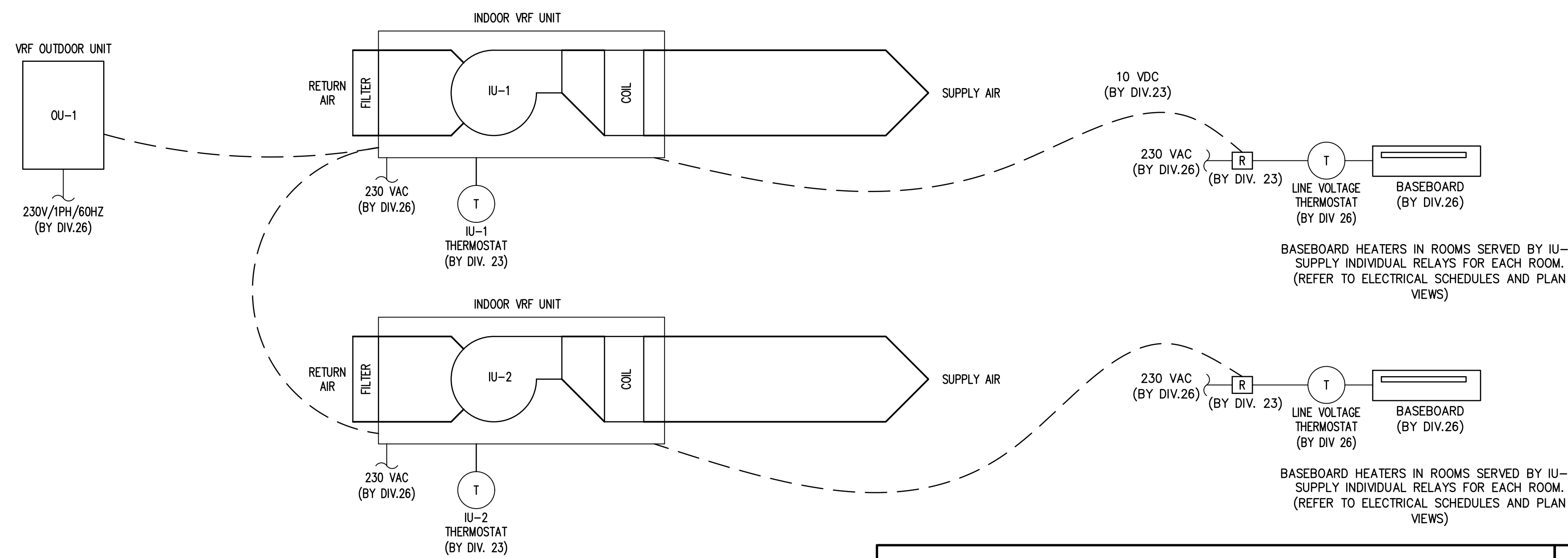
GENERAL NOTES:

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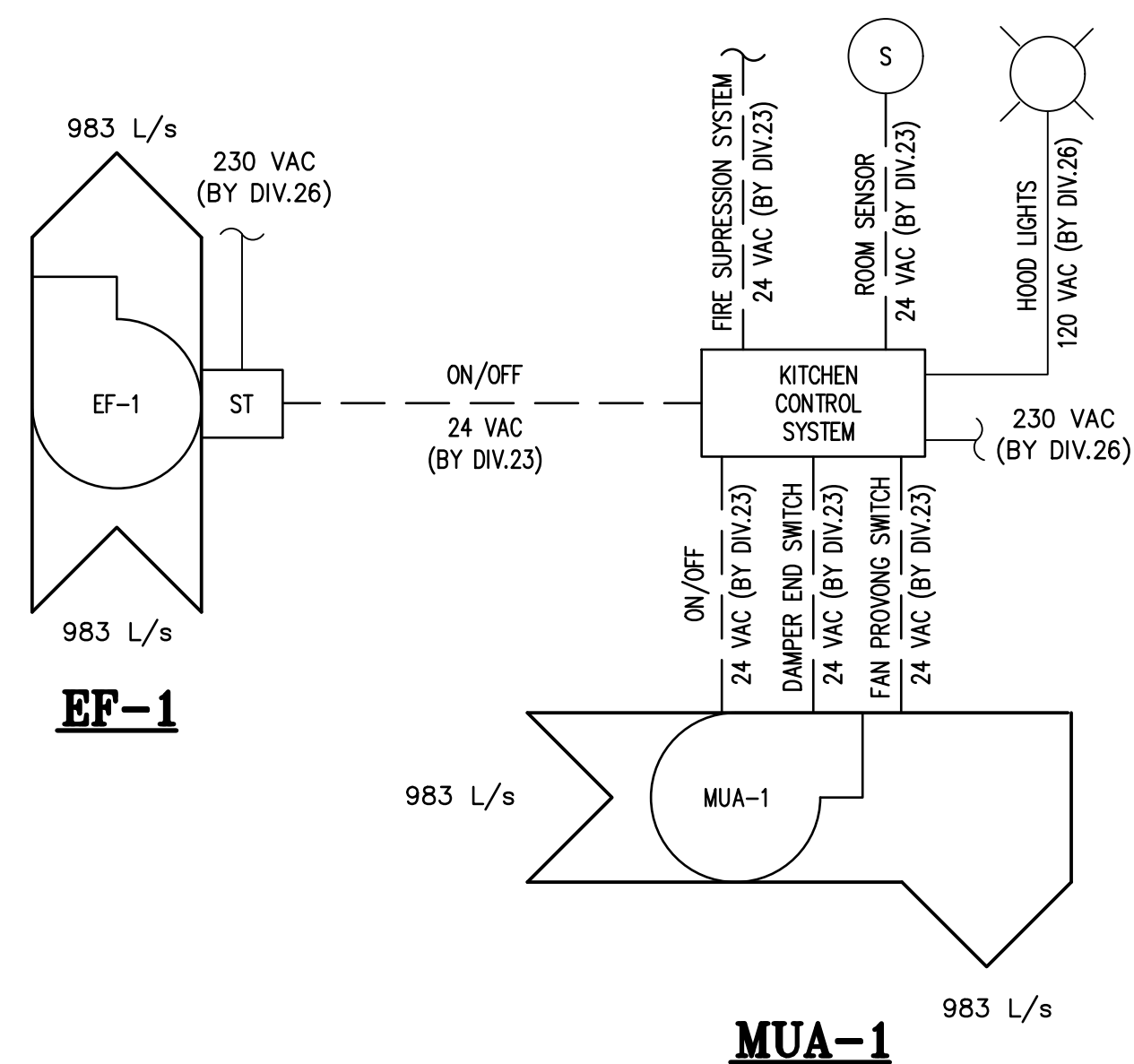
PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
-MECHANICAL- VENTILATION PLAN VIEWS

DESIGN: F. GODIN APPROVED: F. GODIN
 DRAWN: F. GODIN DATE: 2021-05-01
 VERIFIED: G. ARSENAU SCALE: AS SHOWN
 PROJECT NO: **9223-18-00** DRAWING NO: **MV1**

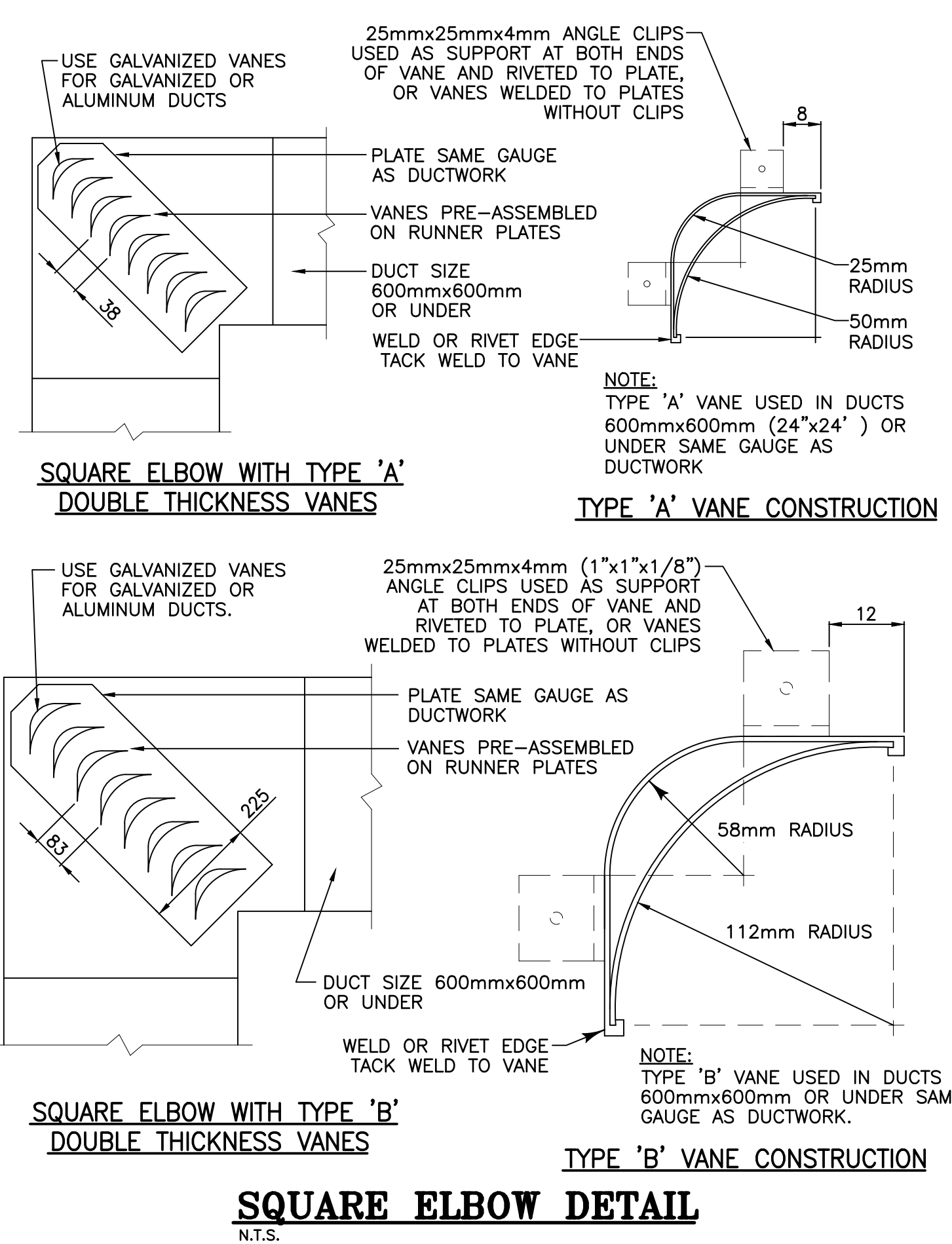


VRF CONTROL DIAGRAM
SCALE: N.T.S.

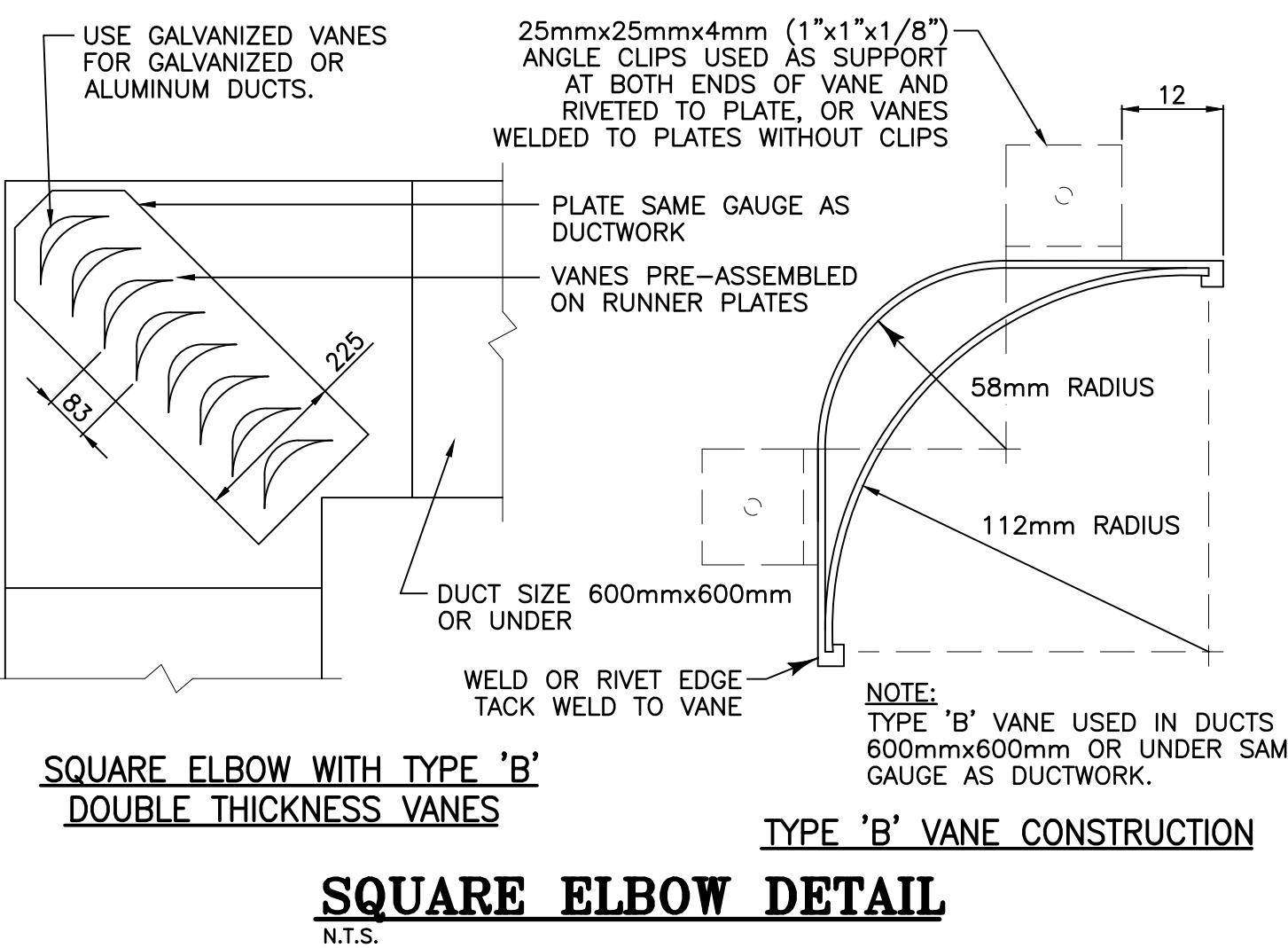


KITCHEN VENTILATION CONTROL DIAGRAM
N.T.S.

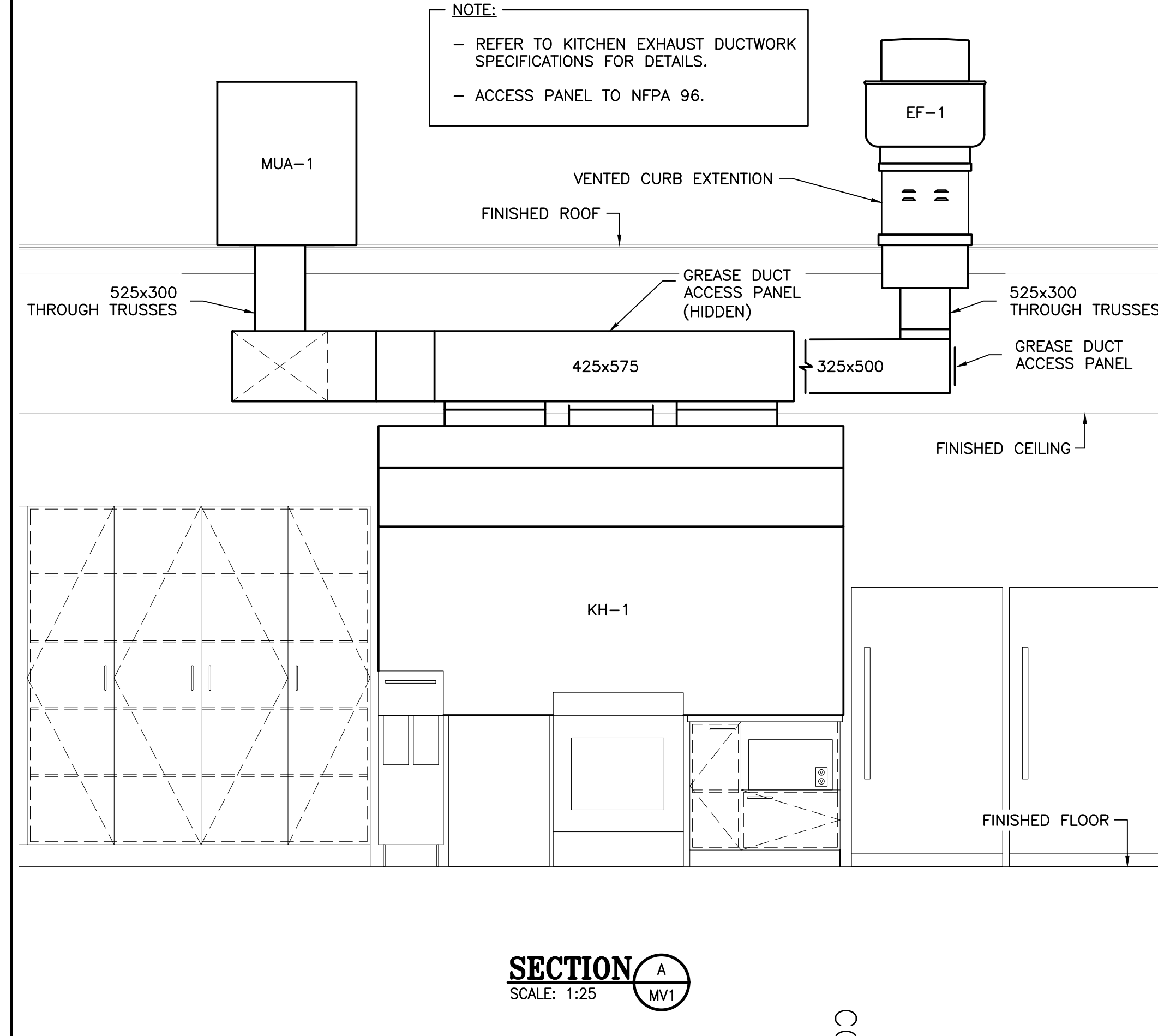
- GENERAL NOTES:**
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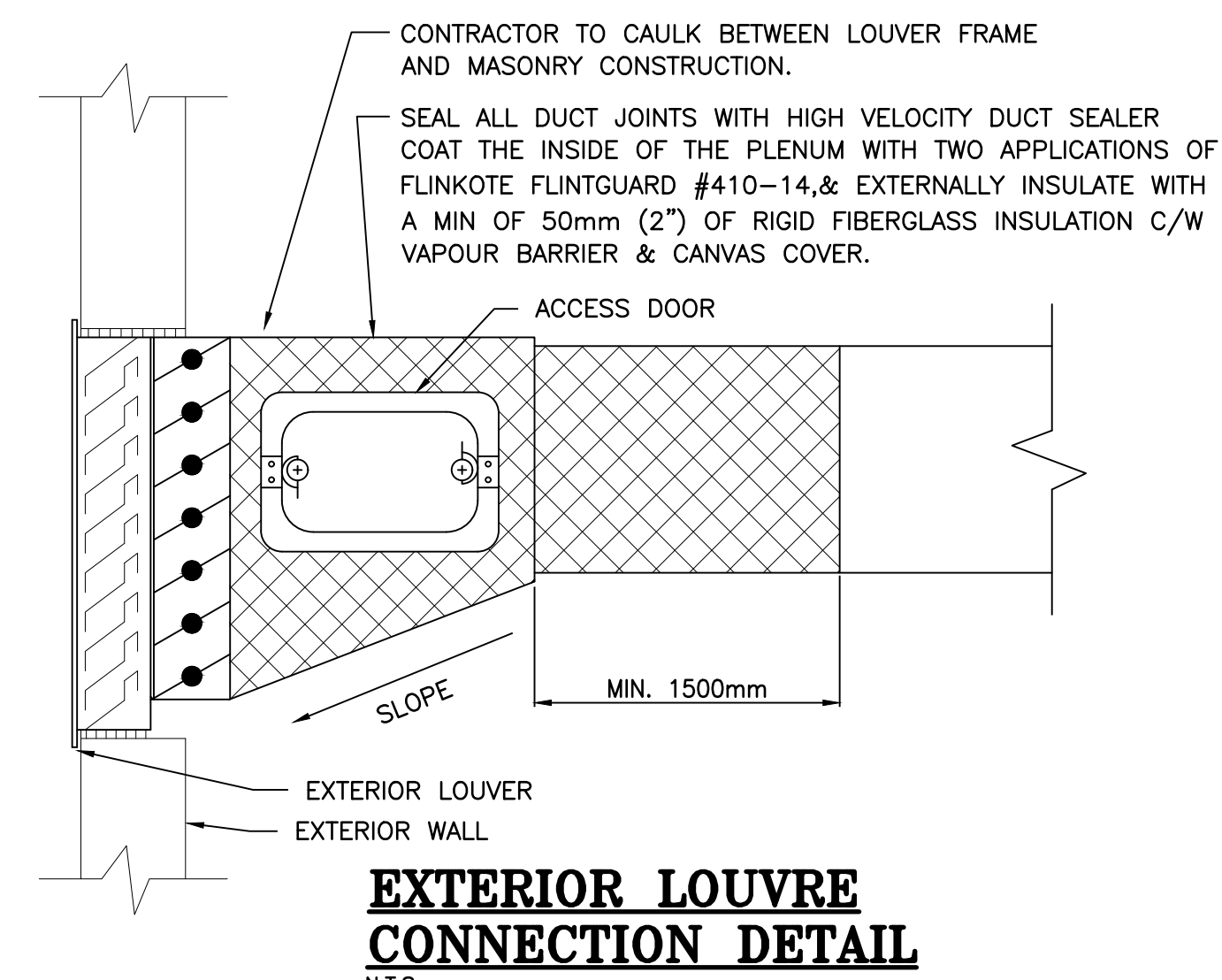
SQUARE ELBOW WITH TYPE 'A' DOUBLE THICKNESS VANES
TYPE 'A' VANE CONSTRUCTION
N.T.S.



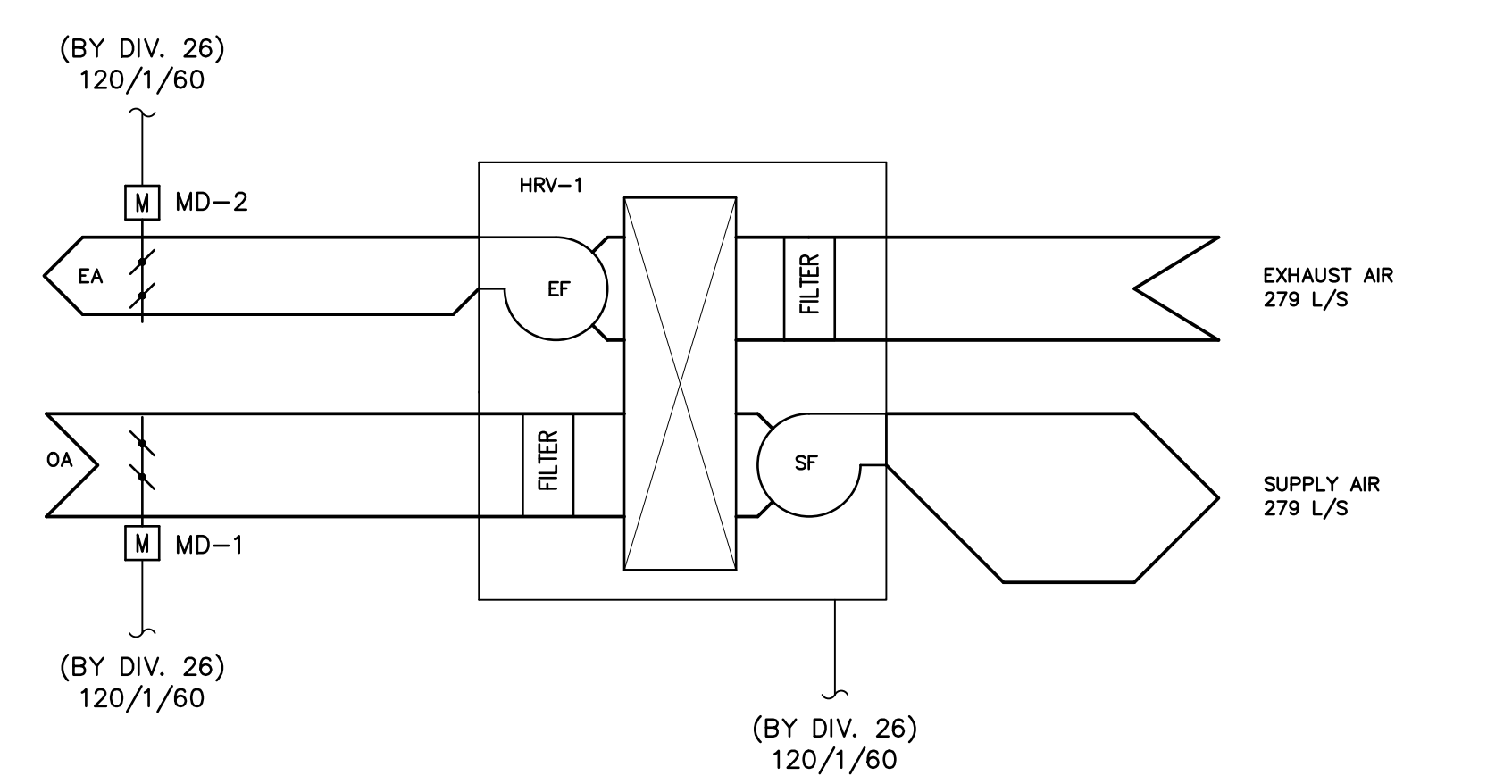
SQUARE ELBOW WITH TYPE 'B' DOUBLE THICKNESS VANES
TYPE 'B' VANE CONSTRUCTION
N.T.S.



SECTION A-MV1
SCALE: 1:25



EXTERIOR LOUVRE CONNECTION DETAIL
N.T.S.



HRV-1 CONTROL DIAGRAM
SCALE: N.T.S.

ARCHITECTS:
EVOQ
1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTRÉAL (QUÉBEC) H3A 2G4
T. 514-393-9490 F. 514-393-9498
info@evoqarchitecture.com

ENGINEERS:
ROY CONSULTANTS
13, rue Costigan Street
Edmundston (NB) E3V 1W7
T. / 506.7327930
ENGINEERING SERVICES D'INGÉNIERIE F. / 506.548.2207

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

N°	DESCRIPTION	BY	DATE
1	ISSUED FOR CONSTRUCTION	F.G.	2022-09-23
0	ISSUED FOR TENDER	F.G.	2022-05-31
A	ISSUED FOR 50% REVIEW	S.C.	2021-06-18

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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
-MECHANICAL- VENTILATION MECHANICAL ROOM VIEWS, DETAILS AND CONTROL DIAGRAM

DESIGN: F.GODIN APPROVED: F.GODIN
DRAWN: F.GODIN DATE: 2021-05-01
VERIFIED: G.ARSENEAU SCALE: AS SHOWN

PROJECT N°: **9223-18-00** DRAWING N°: **MV2**