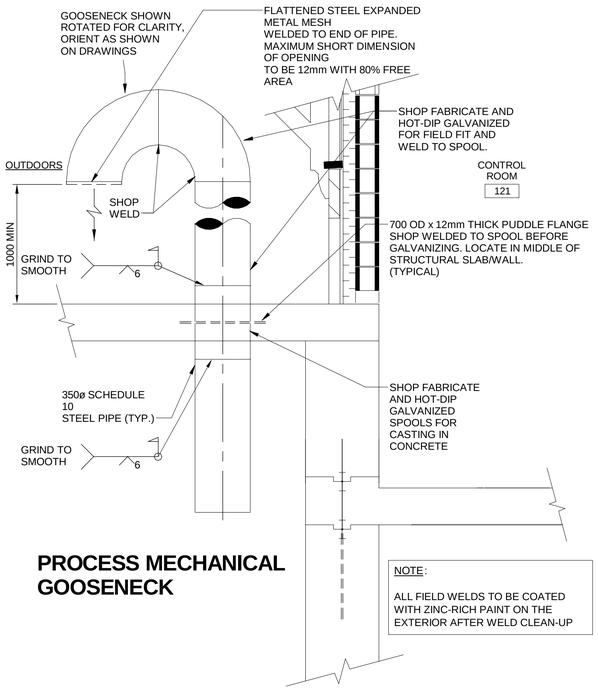
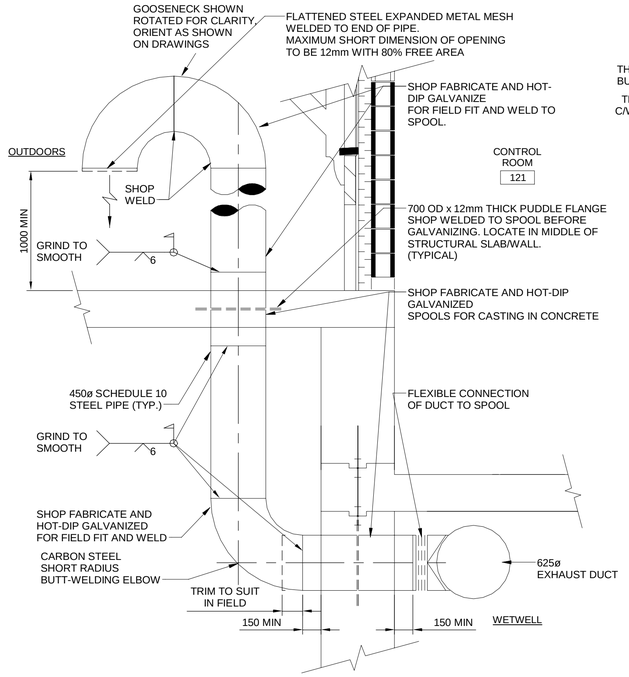


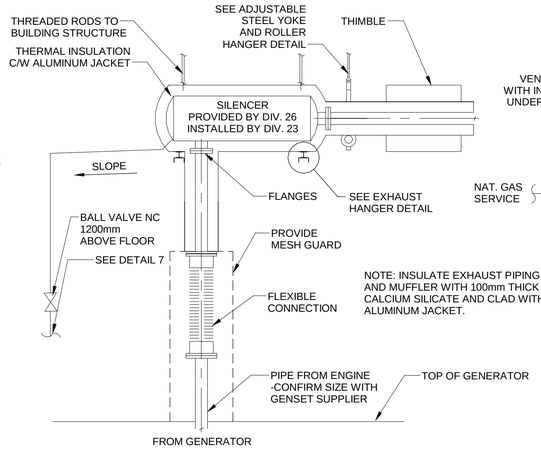
PROCESS MECHANICAL GOOSENECK

NOTE:

ALL FIELD WELDS TO BE COATED WITH ZINC-RICH PAINT ON THE EXTERIOR AFTER WELD CLEAN-UP



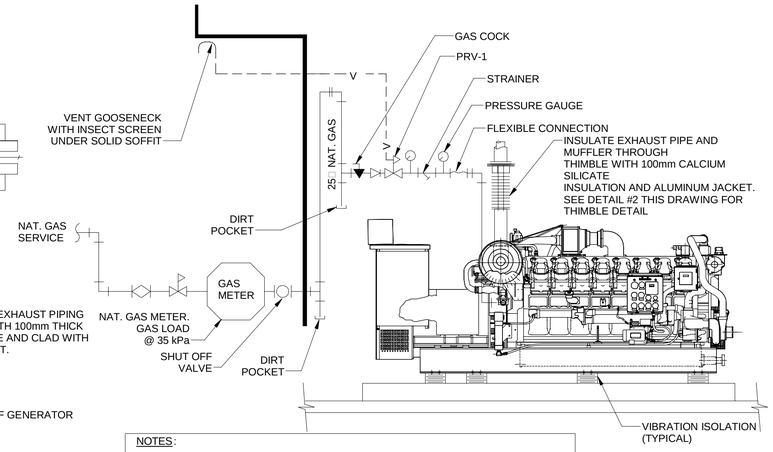
MECHANICAL GOOSENECK



NOTE: INSULATE EXHAUST PIPING AND MUFFLER WITH 100mm THICK CALCIUM SILICATE AND CLAD WITH ALUMINUM JACKET.

DETAIL 2

SCALE: NTS
GENSET EXHAUST
M-0004



NOTES:

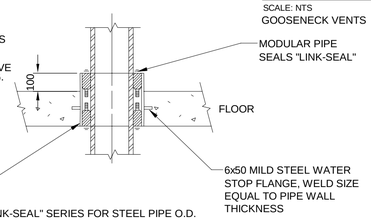
1. STAND BY GENERATOR MOUNTED ON INERTIA BASE & HOUSE KEEPING PAD C/W VIBRATION ISOLATORS.
2. PAINT ALL GAS PIPING WITH 2 COATS OF YELLOW PAINT. IN ACCORDANCE WITH GAS CODE.
3. PROVIDE REGULATOR ON GAS SUPPLY TO GENSET. CONFIRM INLET PRESSURE WITH UTILITY.

DETAIL 3

SCALE: NTS
STAND BY GENERATOR
M-0004

NOTE:

1. ALL PIPES SHALL BE SUPPORTED ON BOTH SIDES OF THE FLOOR.
2. HOT-DIP GALVANIZED SLEEVE ASSEMBLY AFTER WELDING.



DETAIL 1

SCALE: NTS
GOOSENECK VENTS
M-0004

TABLE OF "LINK-SEAL" SERIES FOR STEEL PIPE O.D.
(FOR OTHER SIZES SEE SUPPLIER'S TABLES)

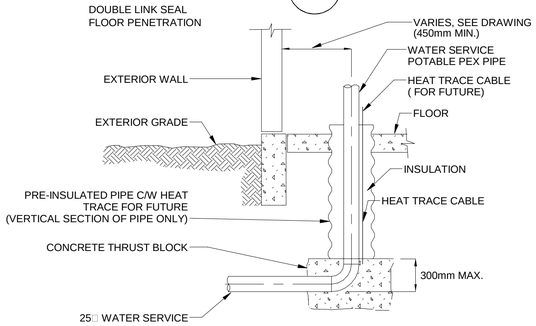
PVC PIPE		WALL SLEEVE	LINK-SEAL	
SIZE	ACTUAL O.D.mm	I.D.mm	LINKS/ SEAL	MODEL NO.
13	21.3	52.5	4	LS-200-C
20	26.7	62.7	6	LS-275-C
25	33.4	62.7	5	LS-200-C
32	42.2	77.9	9	LS-275-C
40	48.3	87.6	5	LS-300-C
50	60.3	102.3	6	LS-300-C
75	88.9	128.2	9	LS-300-C
100	114.3	154.1	11	LS-300-C
125	141.3	202.7	6	LS-425-C
150	168.3	257.1	7	LS-400-C
200	219.1	304.8	12	LS-475-C

APPLICATION NOTES:

1. CONCRETE FLOOR
2. STEEL, STAINLESS STEEL, DUCTILE IRON, PVC OR FRP PIPE; NON-INSULATED.
3. CONDITION
   a) NON-HAZARDOUS TO HAZARDOUS AREAS

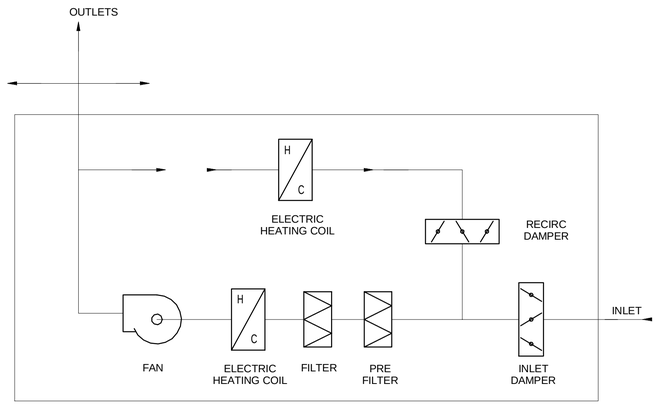
DETAIL 4

SCALE: NTS
DOUBLE LINK SEAL FLOOR PENETRATION
M-0004



DETAIL 5

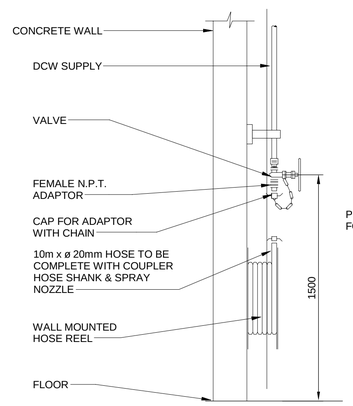
SCALE: NTS
WATER SERVICE ENTRANCE
M-0004



DETAIL 10

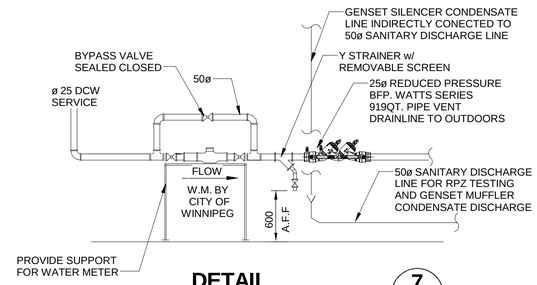
SCALE: NTS
MAU-U20-1 SCHEDULE
M-0004
1

CASING PIPE SCHEDULE		
WATER PIPE SIZE mm.	CMP SIZE mm.	GAUGE
20 TO 50	300	14



DETAIL 6

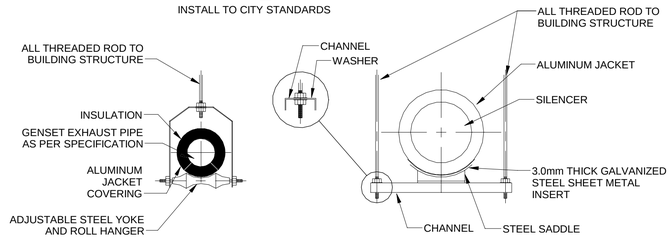
SCALE: NTS
HOSE BIBB AND HOSE REEL TYPICAL
M-0004



DETAIL 7

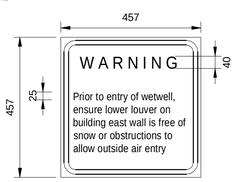
SCALE: NTS
WATER METER
M-0004

INSTALL TO CITY STANDARDS



DETAIL 8

SCALE: NTS
GENSET EXHAUST HANGER DETAILS
M-0004



DETAIL 9

SCALE: NTS
WET WELL SIGNAGE TYPICAL
M-0004

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date:_____

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
1	ISSUED FOR ADDENDUM 4	17/02/24	DJP
O	ISSUED FOR TENDER	17/01/09	DJP

AECOM

DESIGNED BY	GD	CHECKED BY	BP
DRAWN BY	DJP	APPROVED BY	BP
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	06/01/2016	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B.M. PETERSON
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
60321148

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS

PUMPING STATION
MECHANICAL DETAILS AND SCHEMATICS

CITY DRAWING NUMBER: U-239-2016-C2-BM-004
SHEET 4 OF 5
CONSULTANT DRAWING NUMBER: C2-BM-004

P:\60321148\900-Work\910-CAD\99-SUPPORT\PROJECT_TITLE_BLOCKS\Title Block for Pump Station works\163353-XTB-C1-CU.dwg