STD 001 DETAIL – PIPE HANGER SUPPORT
SCALE: N.T.S.

STD 002 DETAIL – ELBOW BASE SUPPORT
SCALE: N.T.S.

NOTES:

1. DO NOT CUT HOLE IN PIPE–FULL PENETRATION.
2. CINCH ANCHOR BY CONTRACTOR.
3. ALL PLATES SHALL MATCH PIPE MATERIAL

A – SECTION
SCALE: N.T.S.

STD 003 DETAIL – FLANGE SUPPORT
SCALE: N.T.S.

STD 004 DETAIL – PUMP BASE SUPPORT
SCALE: N.T.S.

NOTES:

1. CONFIRM FLOOR PENETRATION DIAMETER WITH PUMP/MOTOR SHOP DRAWINGS PRIOR TO CORING TO ENSURE MINIMUM DIAMETER REQUIREMENTS ARE MET.
2. FLOOR SHALL BE CORE SCANNED PRIOR TO DRILLING TO AVOID CUTTING THROUGH REINFORCING STEEL.

NOTES:

1. FLOOR SHALL BE CORE SCANNED PRIOR TO DRILLING TO AVOID CUTTING THROUGH REINFORCING STEEL.

STD 005 DETAIL – PIPING FLOOR PENETRATION
SCALE: N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YYYY-MM-DD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 24	

KGS GROUP

DESIGNED BY	K. RADTKE	CHECKED BY	
DRAWN BY	D. SESE	APPROVED BY	
SCALE: HORIZONTAL / VERTICAL	AS SHOWN	RELEASED FOR CONSTRUCTION	
DATE	2022 07 19	DATE	

PLOT DATE: 2023 03 22

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J.V. SMITH
2023-03-22
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
22–0107–004_M10

BID OPPORTUNITY: 864-2022

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
MECHANICAL
PIPING SUPPORT
STANDARD DETAILS

CITY DRAWING NUMBER 1–0162L–M0010–001
SHEET 81 OF 109

FILE PATH: P:\Projects\2022\22-0107-004\Dwg\Mech\
FILE NAME: 1-0162L-M0010-001.dwg