

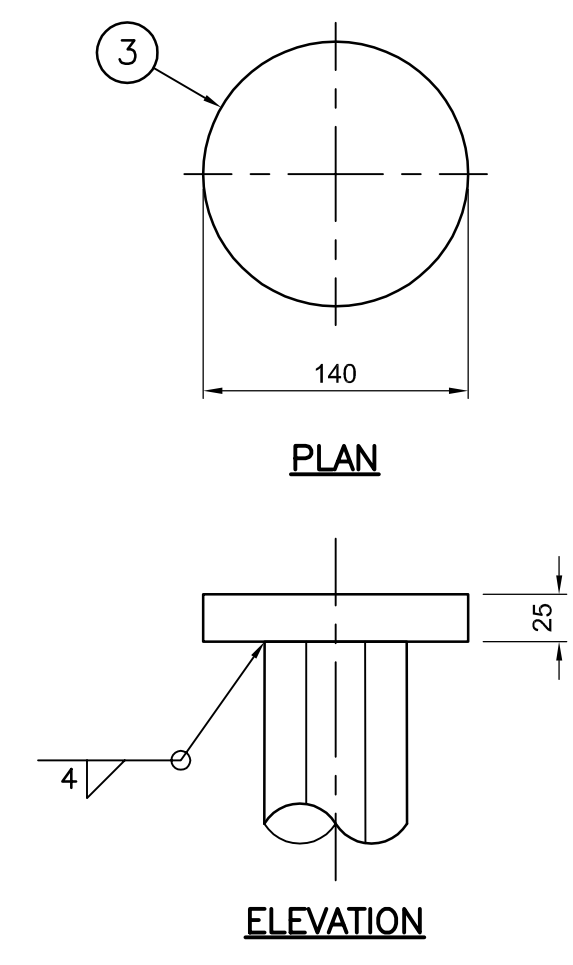
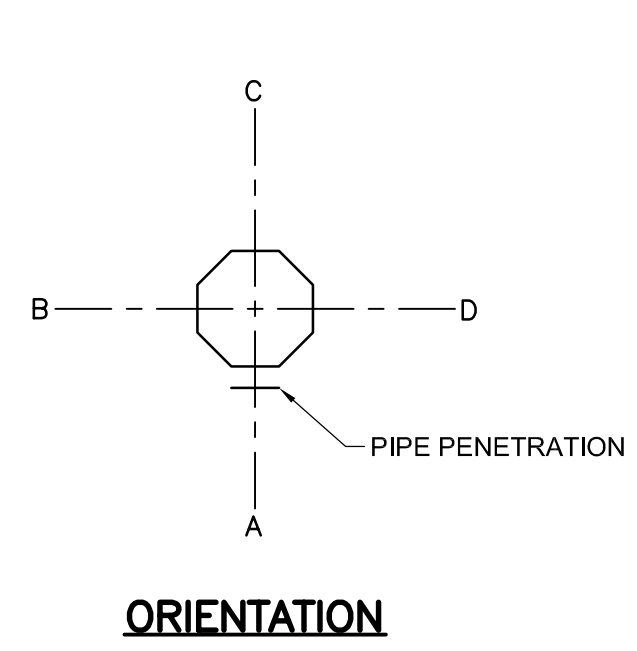
BILL OF MATERIALS

MK. NO.	QTY. REQ'D.	DESCRIPTION	SIZE	MATERIAL	REMARKS	LINE NO.	
		VERTICAL EXTENSION TO 10.7 m (35') - E					1
1	1	OCTAGONAL SECTION SHAFT	127 A/F - 75 A/F x 3.083	CSA G40.21 350W		2	
2	1	EXTENSION FLANGE PLATE	16 x 228 x 228	CSA G40.21 300W		3	
3	1	MASS DAMPER PLATE	140 DIA. x 25 THK.	CSA G40.21 300W		4	
4	4	EXTENSION FLANGE PLATE BOLTS	19 (3/4") DIA. x 70	ASTM A325	SEE DETAIL C	5	
5	1	BACK-UP STRIP PLATE	4.554 x 40	CSA G40.21 350W		6	
6	1	PIPE PENETRATION (1 1/2") C/W PLUG	48 O.D. X 25	ASTM A53 GR. B SCH. 40	REMOVE BURRS AND SHARP EDGES	7	

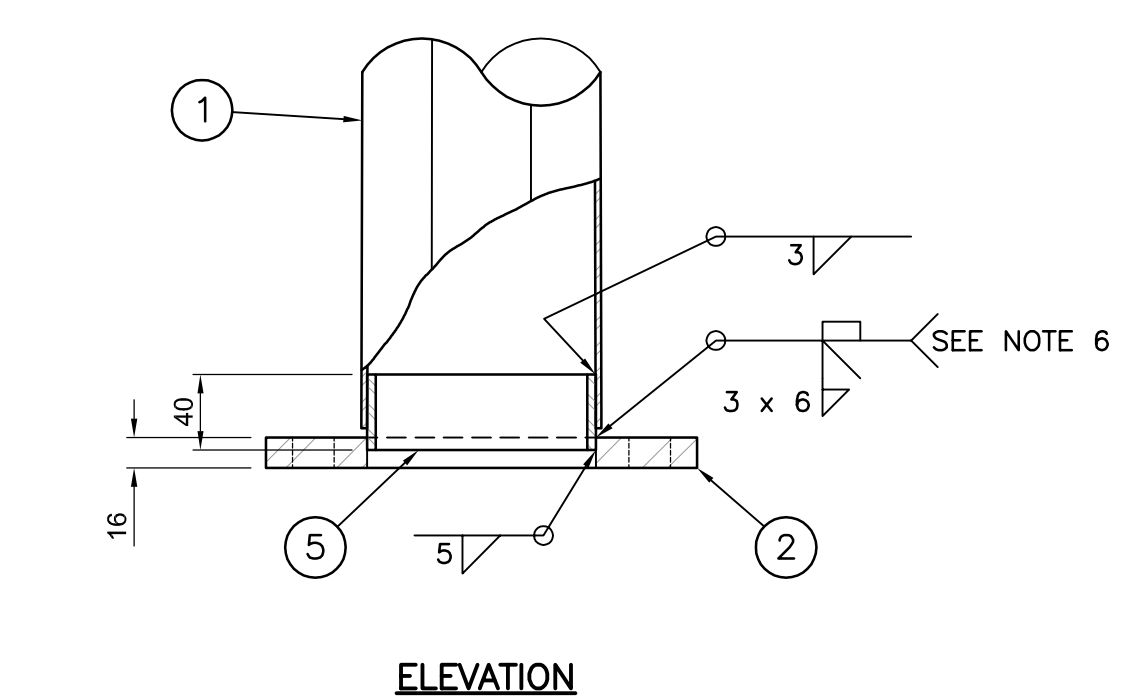
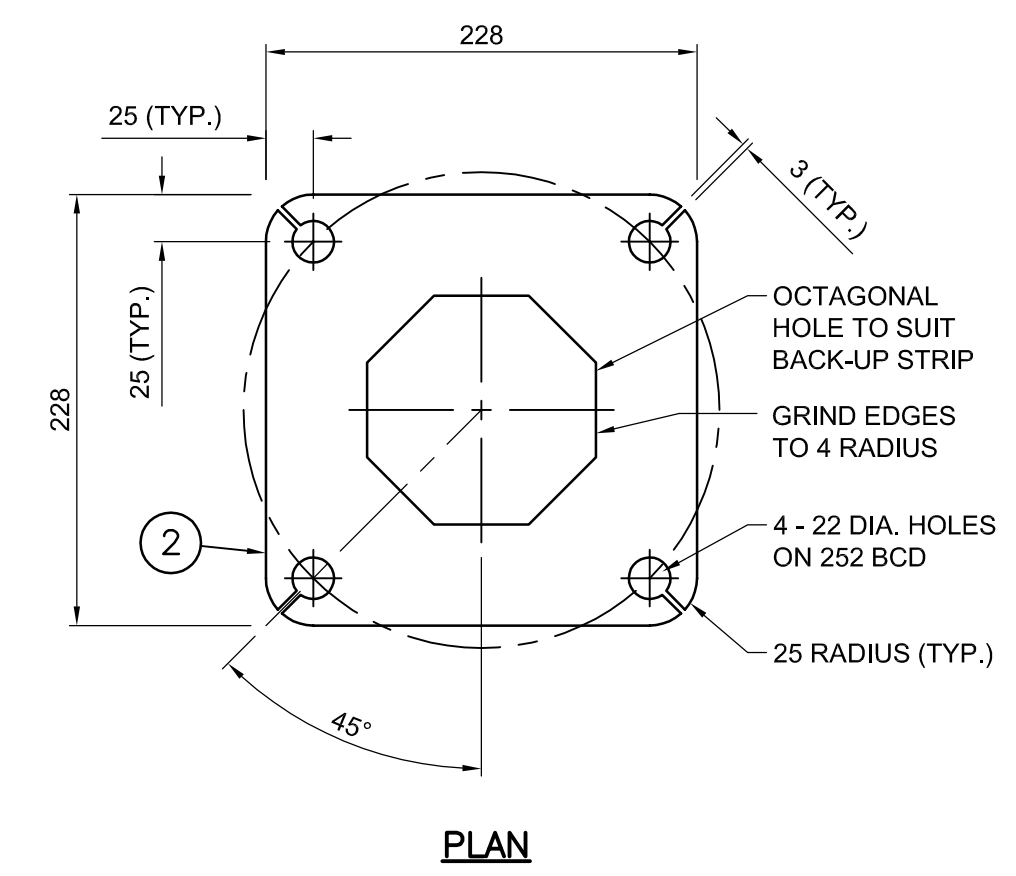
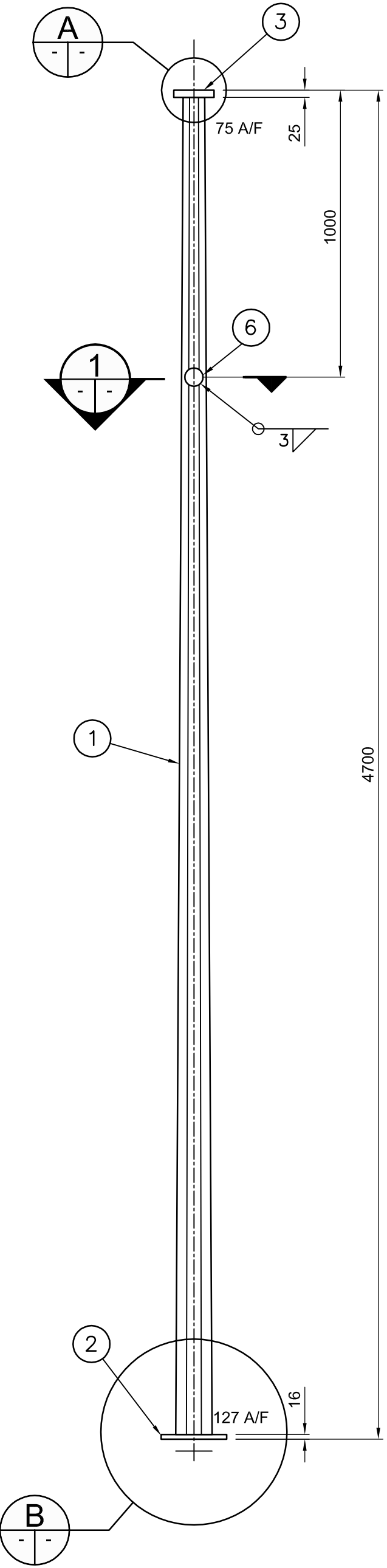
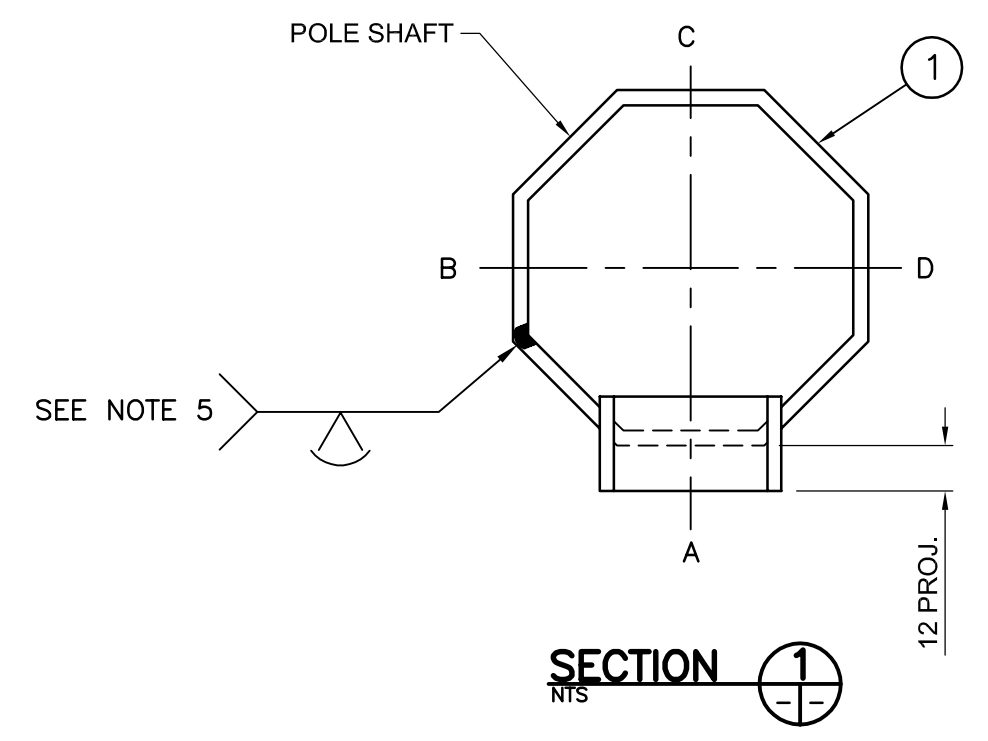
APPROXIMATE TOTAL MASS = 46 kg

NOTES:

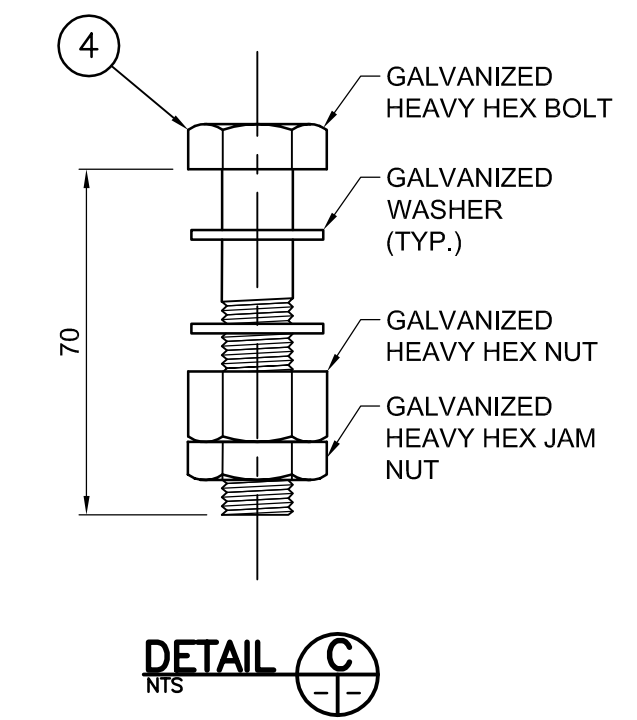
1. ALL MATERIALS, EXCEPT STAINLESS STEEL ITEMS, SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123-09 (PLUS LATEST REVISIONS) WITH NET RETENTION OF 610 g/m².
2. PROVIDE RAISED IDENTIFICATION NUMBER WITH WELDING ELECTRODE AS PER SPECIFICATION, STRUCTURE CODE = E.
3. SHIP WITH NUTS AND WASHERS INSTALLED.
4. GRIND ALL SHARP POINTS AND EDGES.
5. LONGITUDINAL SEAM WELD SHALL HAVE 60% MINIMUM PENETRATION EXCEPT WITHIN 150 mm OF EXTENSION FLANGE PLATE AND MASS DAMPER PLATE SHALL BE COMPLETE PENETRATION.
6. EXTERIOR WELD JOINING SHAFT TO EXTENSION FLANGE PLATE SHALL BE AN UNEQUAL LEG COMPLETE PENETRATION WELD WITH THE LONG LEG OF THE WELD ALONG THE SHAFT, TERMINATING AT 30' FROM THE SHAFT'S SURFACE.



MASS DAMPER PLATE DETAIL A



EXTENSION FLANGE PLATE DETAIL C



C:\projects\working_directory\projects_2018\4060\dms27615\1.3,1.5,1.6,1.7-EXTENSION & STRAIGHT POLE.dwg



REDUCED DRAWING
N.T.S.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>B.M. ELEV.</td><td></td><td></td><td></td></tr> <tr><td>DESIGNED BY</td><td>CDW</td><td></td><td></td></tr> <tr><td>DRAWN BY</td><td>JGW</td><td></td><td></td></tr> <tr><td>CHECKED BY</td><td>SSR</td><td></td><td></td></tr> <tr><td>APPROVED BY</td><td>-</td><td></td><td></td></tr> <tr><td>HOR. SCALE</td><td>NTS</td><td></td><td></td></tr> <tr><td>VERTICAL</td><td>NTS</td><td></td><td></td></tr> <tr><td>NO. REVISIONS</td><td>DATE</td><td>BY</td><td>DATE</td></tr> </table>	B.M. ELEV.				DESIGNED BY	CDW			DRAWN BY	JGW			CHECKED BY	SSR			APPROVED BY	-			HOR. SCALE	NTS			VERTICAL	NTS			NO. REVISIONS	DATE	BY	DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ENGINEER'S SEAL</td><td></td></tr> <tr><td>PROVINCE OF MANITOBA ORIGINAL STAMPED BY S.S. RIHAL JAN. 14, 2013 REGISTERED PROFESSIONAL ENGINEER</td><td></td></tr> <tr><td>CONSULTANT PROJECT NUMBER</td><td>12-5954</td></tr> </table>	ENGINEER'S SEAL		PROVINCE OF MANITOBA ORIGINAL STAMPED BY S.S. RIHAL JAN. 14, 2013 REGISTERED PROFESSIONAL ENGINEER		CONSULTANT PROJECT NUMBER	12-5954	<p>DILLON CONSULTING</p>	<p>THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT</p>	<p>VERTICAL EXTENSION TO 10.7 m (35')</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CITY DRAWING NUMBER</td><td>N/A</td></tr> <tr><td>SHEET</td><td>13 OF 18</td></tr> <tr><td>CONSULTANT DRAWING NUMBER</td><td>N/A</td></tr> </table>	CITY DRAWING NUMBER	N/A	SHEET	13 OF 18	CONSULTANT DRAWING NUMBER	N/A
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