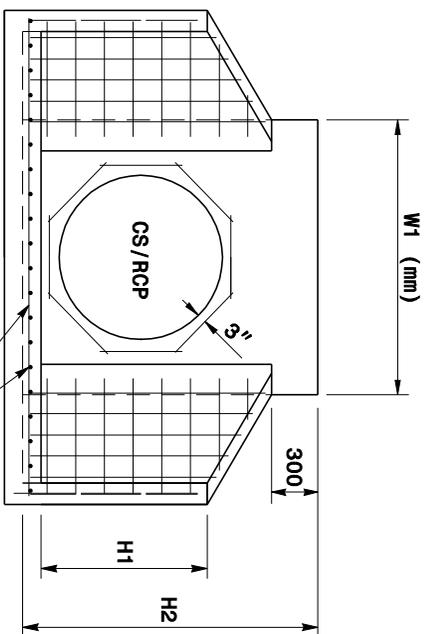
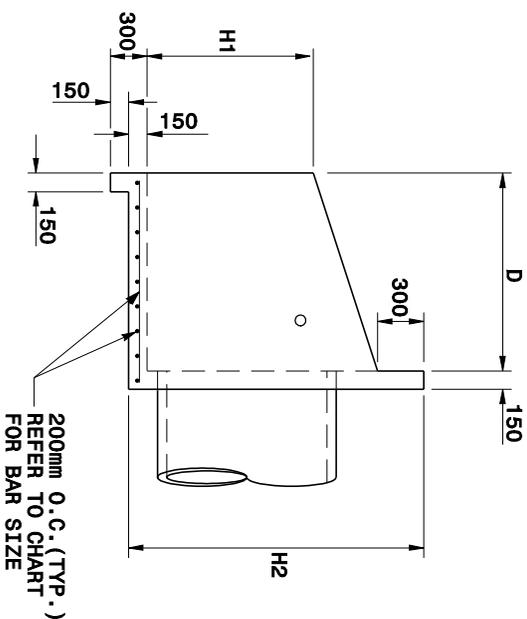


PRECAST CONCRETE ENDWALL

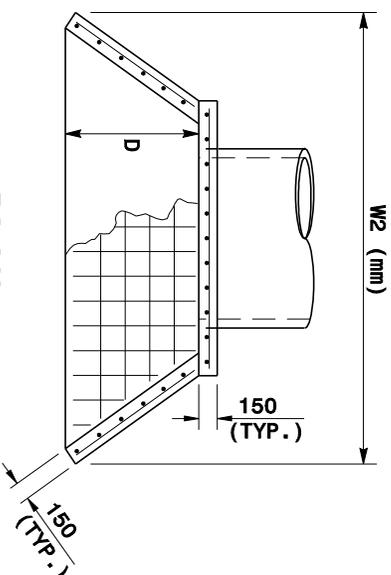
METRIC STANDARD DRAWING FOR



ELEVATION



SIDE



PLAN

NOTES:

- * THIS PRECAST ENDWALL MAY BE USED FOR THE FOLLOWING STANDARDS: 838.21, 838.27, 838.33 AND 838.39.
- * INSTALL PRECAST ENDWALLS WITH WINGS AND PAY FOR IN ACCORDANCE WITH SPECIFICATION SECTION 838.
- * USE 4000 PSI CONCRETE.
- * PROVIDE ALL REINFORCING STEEL WHICH MEETS ASTM A615 FOR GRADE 60 AND WELDED WIRE FABRIC CONFORMING TO ASTM A185 WITH 50mm MIN. CLEARANCE.
- * PLACE LIFT HOLES OR PINS IN ACCORDANCE WITH OSHA STANDARD 1926.704.
- * PIPE TO BE GROUTED INTO HEADWALL AT JOB SITE BY CONTRACTOR
- * ALL ELEMENTS PRECAST TO MEET ASTM C913.
- * WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR AS LONG AS THE SAME AREA OF STEEL IS PROVIDED.
- * CHAMFER ALL CORNERS 25mm OR HAVE A RADIUS OF 25mm.

NOTE: THE MINIMUM BAR SIZE SHALL BE #16 BARS AT 200mm CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED.

ENDWALL DIMENSIONS

mm	MINIMUM BAR SIZE	MIN./MAX. H1 (mm)	MIN./MAX. H2 (mm)	MIN./MAX. D (mm)	MIN./MAX. W1	MIN./MAX. W2
300	#16 @ 200	380/610	610/1145	380/535	915/1143	1675/1830
375	#16 @ 200	380/610	915/1145	380/610	1065/1143	1980/2055
450	#16 @ 200	380/610	915/1295	460/765	1065/1143	1980/2055
600	#16 @ 200	455/760	1220/1450	535/765	1220/1295	2286/2515
750	#16 @ 200	760/1065	1220/1830	610/915	1370/1676	3050/3505
900	#16 @ 200	915/1065	1525/1830	840/915	1600/1755	3505/3580
1050	#16 @ 200	990/1370	1830/2055	990/1070	1830/2055	3655/4040
1200	#16 @ 200	1065/1370	1980/2135	990/1070	1980/2055	3960/4040
1350	#16 @ 200	1220/1525	1980/2590	990/1220	2135/2820	4115/4800
1500	#16 @ 200	1370/1525	2135/2590	990/1220	2210/2820	4190/4800
1650	#16 @ 200	1370/1525	2290/2590	990/1220	2210/2820	4265/4800
1800	#16 @ 200	1370/1525	2290/2590	990/1220	2362/2820	4495/5105

Note:

This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.