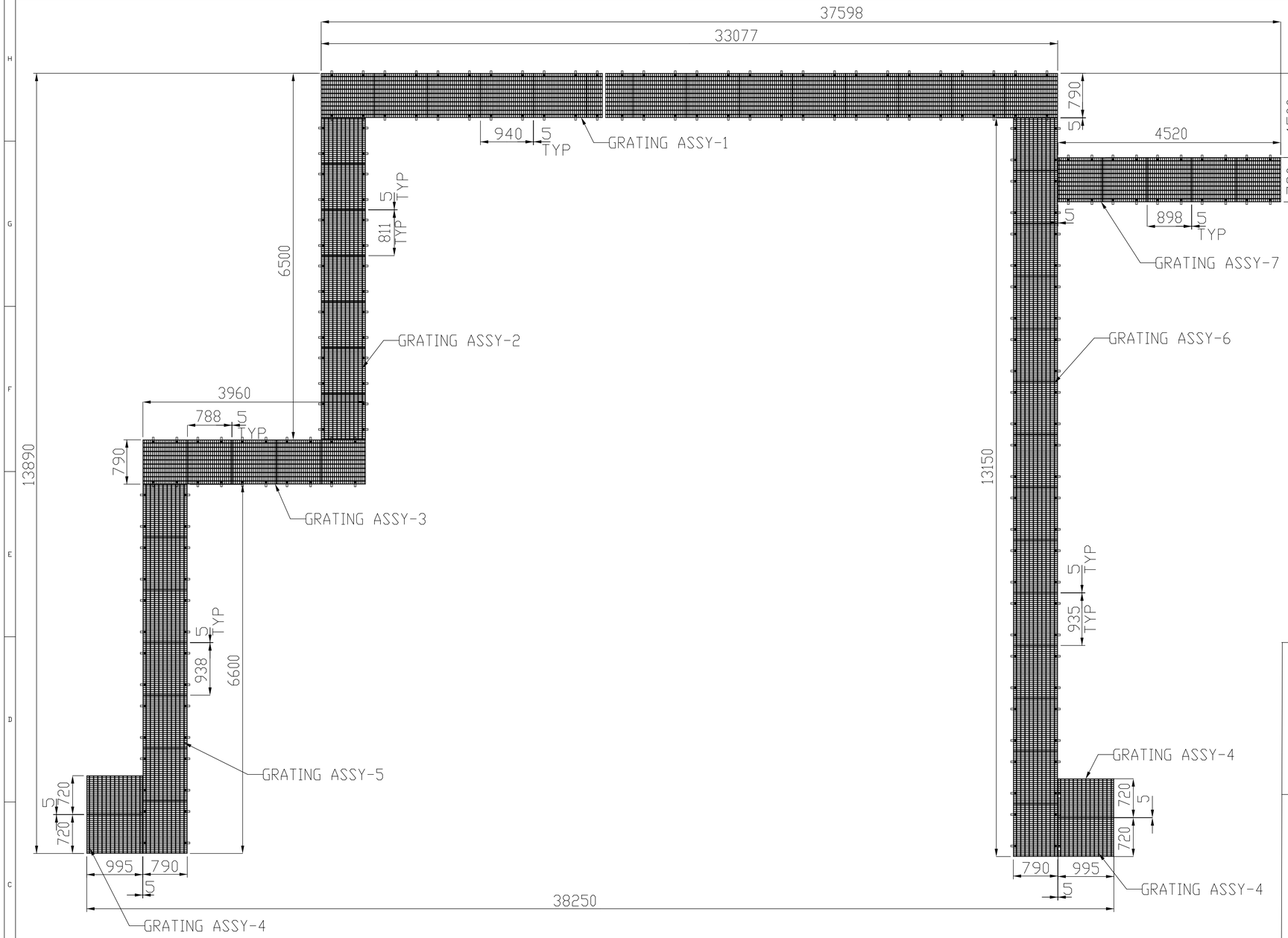


BILL OF MATERIAL

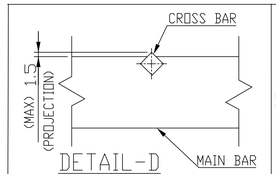
PART NO.	DESCRIPTION	RAW MATL.SIZE	QTY.	MATL. SPECN.	WT.	REMARKS
101	GRATING 25 THK.	790 x 940 LG.	35	IS:2062, GR.250 BR	1118	
102	GRATING 25 THK.	790 x 811 LG.	7	IS:2062, GR.250 BR	193	–
103	GRATING 25 THK.	790 x 788 LG.	5	IS:2062, GR.250 BR	133	–
104	GRATING 25 THK.	995 x 720 LG.	4	IS:2062, GR.250 BR	123	–
105	GRATING 25 THK.	790 x 938 LG.	7	IS:2062, GR.250 BR	223	
106	GRATING 25 THK.	790 x 935 LG.	14	IS:2062, GR.250 BR	445	–
107	GRATING 25 THK.	790 x 898 LG.	5	IS:2062, GR.250 BR	153	–
201	CLAMP 3 THK.	25 x 95 LG	308	IS:2062, GR.250 BR	17	–
202	FLAT 30 x 5 THK.	100 LG.	308	IS:2062, GR.250 BR	36	–
203	HEX SCREW M6x50 LG.	–	308	IS;1367,CL-4.6	–	–
204	HEX. NUT M6	–	308	IS:1367,CL-4	–	–
205	SPRING WASHER B6	–	308	IS:3063	–	–
206	PLAIN WASHER M6	–	308	IS:2016	–	–

TOTAL WT. = 2440 Kgs.

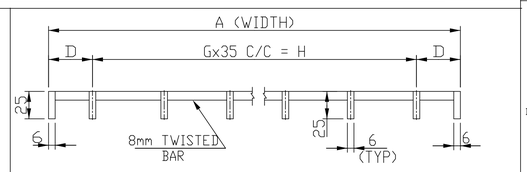
NOTES:-

1. DRAWING IS MADE IN SCALE AND SCALE MAY VARY DETAIL TO DETAIL.
2. FOR LOCATION OF GRATING REFER G.A. OF STRUCTURE DRG. No. EA-HR-344-E-0
3. BOM IS COVERED TOTAL No. OF ASSLY. PER SETTING PLAN.
4. FOR SETTING PLAN REFER DRG. NO. EA-HR-344-E-A.
5. PAINTING AS PER PAINTING SCHEME.
6. TOLERANCES NOT SPECIFIED SHALL BE ±3 mm.
7. ALL THE WELDS ARE CONTINUOUS THE FILLET WELD THICKNESS IS EQUAL TO 0.7 THE MINIMUM THICKNESS TO BE WELDED.
8. PART NO. 202 TO BE WELDED ON PLATFORM MEMBER AFTER MATCHING WITH GRATING.
9. FOR GRATING REFER EIL STD. 7-68-0697, REV.2. TYPE-2.

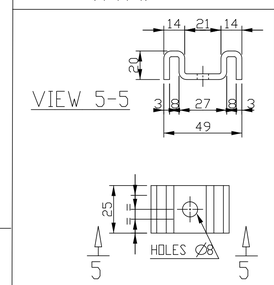
PART NO.	A WIDTH	D	G	H	B SPAN	C	E	F	QTY. (IN NOS.)
101	940	32.5	25	875	790	57.5	9	675	35
102	811	20.5	22	770	790	57.5	9	675	7
103	788	26.5	21	735	790	57.5	9	675	5
104	720	27.5	19	665	995	47.5	12	900	4
105	938	31.5	25	875	790	57.5	9	675	7
106	935	30	25	875	790	57.5	9	675	14
107	898	29	24	840	790	57.5	9	675	5



DETAIL-D
(TYP.)

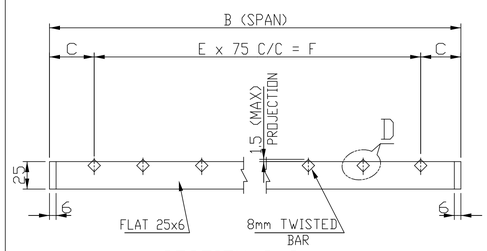


SECTION 1-1

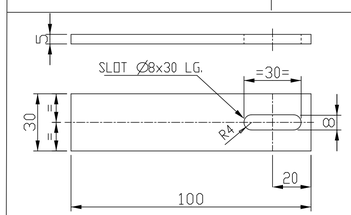


VIEW 5-5

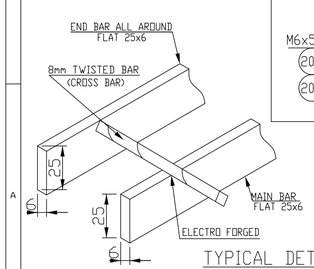
DETAIL OF PART NO.201



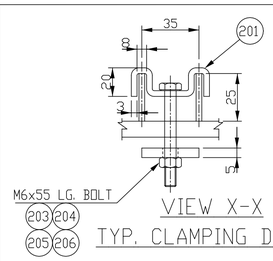
SECTION 2-2



DETAIL OF PART NO.202

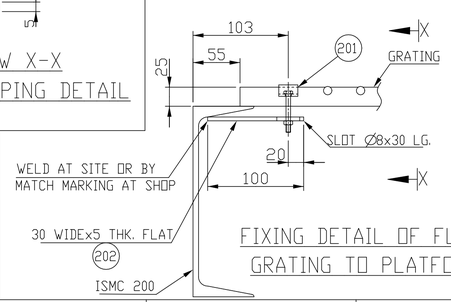


TYPICAL DETAIL OF GRATING AT JUNCTION

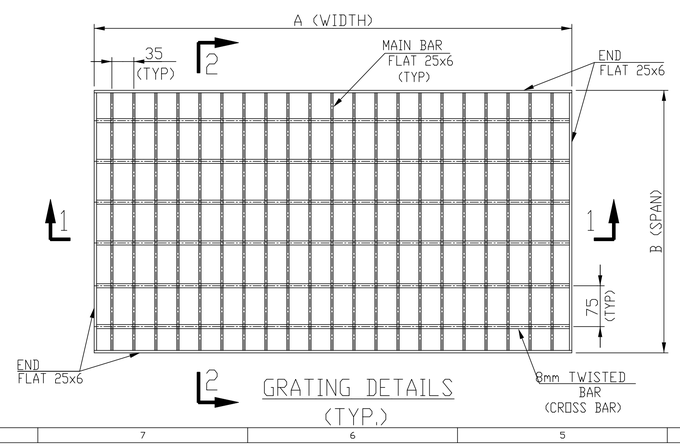


VIEW X-X

TYP. CLAMPING DETAIL



FIXING DETAIL OF FLOOR GRATING TO PLATFORM



GRATING DETAILS
(TYP.)

WORK ORDER No. 1923

TAG No. 109-A-0011/0051/0052

Dimensions in mm unless otherwise specified

REV	DATE	DESCRIPTION	BY	CKD

TITLE:- GRATING ASSY. & DETAIL

PROJECTION | DRAWN BY | CHECKED BY | APPROVED BY | SCALE NTS

CLIENT:- HPCL – RAJASTHAN REFINERY LIMITED

SHEET 1 OF 1

PURCHASER:- HPCL – HRRL

MODEL No.

enginemates HEAT TRANSFER PVT.LTD. MUMBAI – 400 080

DRG. No. EA-HR-344-E-6

REV. 0