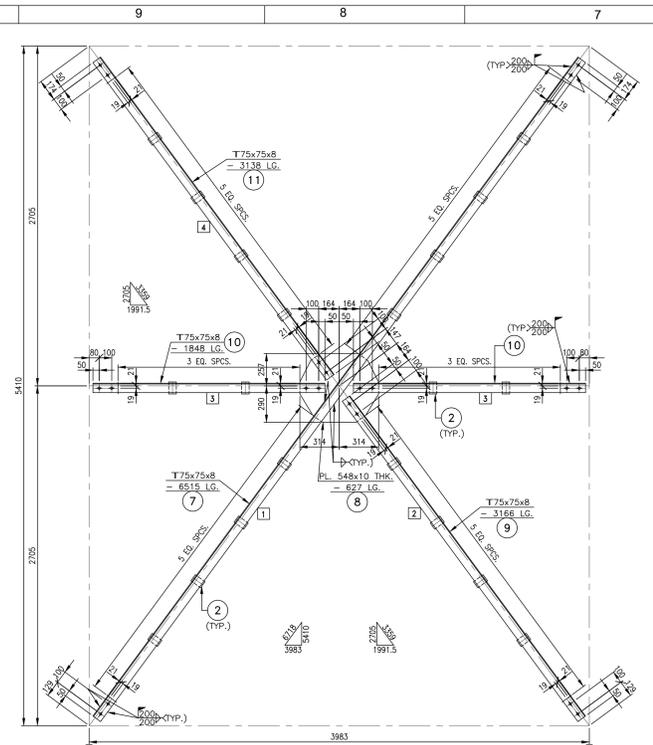
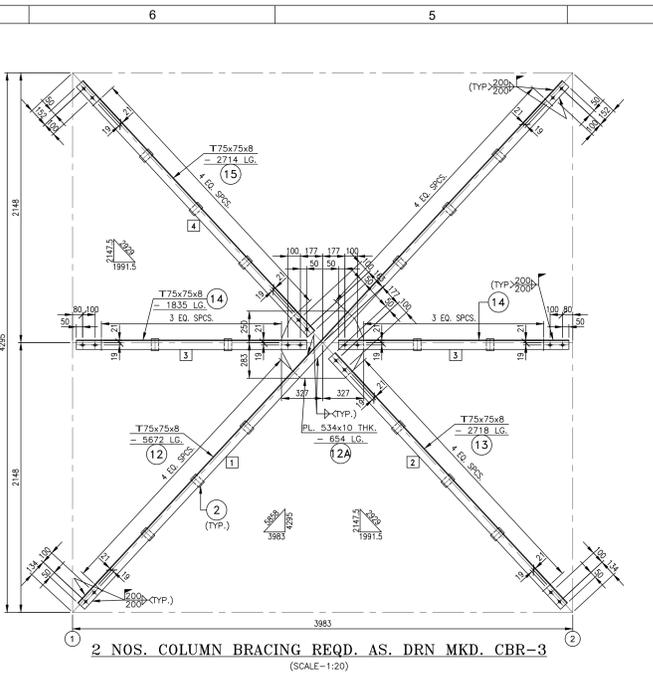


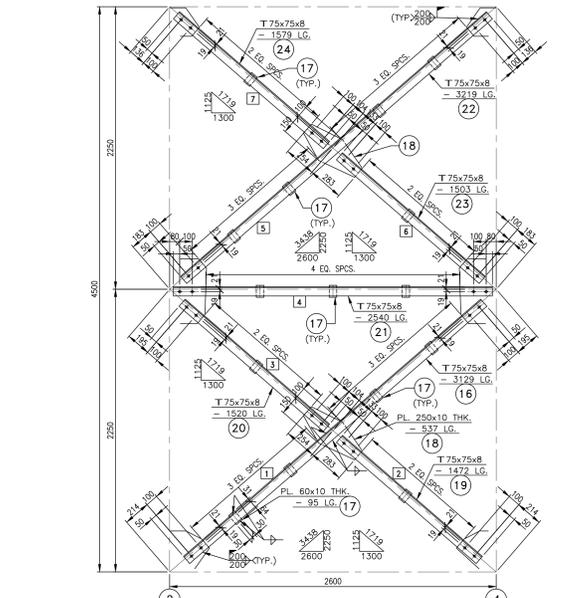
2 NOS. COLUMN BRACING REQD. AS. DRN MKD. CBR-1  
(SCALE-1:20)



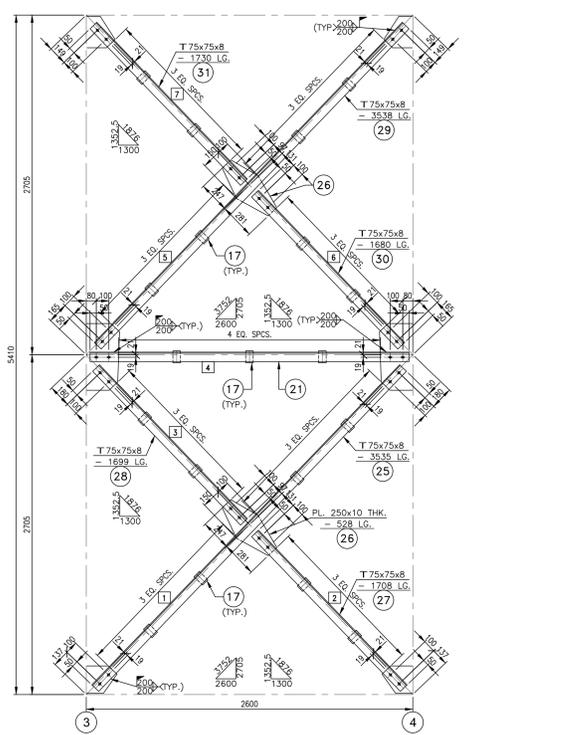
2 NOS. COLUMN BRACING REQD. AS. DRN MKD. CBR-2  
(SCALE-1:20)



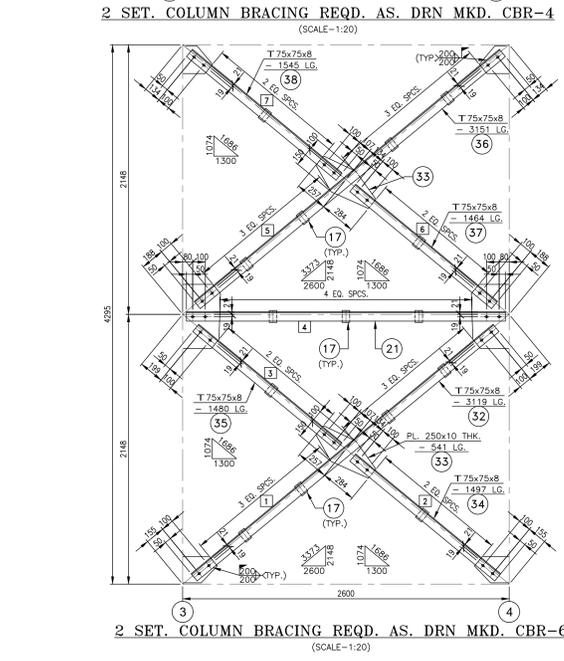
2 NOS. COLUMN BRACING REQD. AS. DRN MKD. CBR-3  
(SCALE-1:20)



2 SET. COLUMN BRACING REQD. AS. DRN MKD. CBR-4  
(SCALE-1:20)



2 SET. COLUMN BRACING REQD. AS. DRN MKD. CBR-5  
(SCALE-1:20)



2 SET. COLUMN BRACING REQD. AS. DRN MKD. CBR-6  
(SCALE-1:20)

CONTD.

BILL OF MATERIALS											
ERECTION MKD.	ITEM NO.	SECTION	LENGTH IN mm.	NOS. REQD.	UNIT WT.	GROSS WT. (Kgs.)	SUBSTRAC TED	TOTAL WT. (Kgs.)	QTY. REQD.	ERE. MKD. WT.	REMARKS
CBR-5	31	L 75x75x8	1730	2	8.90	30.79		30.79			
	17	PL.60x10	95	2	78.50	0.89		0.89			
CBR-6	32	L 75x75x8	3119	2	8.90	55.52		55.52			
	17	PL.60x10	95	4	78.50	1.79		1.79			
	33	PL.250x10	541	1	78.50	10.62		10.62			
CBR-6	34	L 75x75x8	1497	2	8.90	26.65		26.65			
	17	PL.60x10	95	1	78.50	0.45		0.45			
CBR-6	35	L 75x75x8	1480	2	8.90	26.34		26.34			
	17	PL.60x10	95	1	78.50	0.45		0.45			
CBR-6	21	L 75x75x8	2540	2	8.90	45.21		45.21			
	17	PL.60x10	95	3	78.50	1.34		1.34			
CBR-6	36	L 75x75x8	3151	2	8.90	56.09		56.09			
	17	PL.60x10	95	4	78.50	1.79		1.79			
	33	PL.250x10	541	1	78.50	10.62		10.62			
CBR-6	37	L 75x75x8	1464	2	8.90	26.06		26.06			
	17	PL.60x10	95	1	78.50	0.45		0.45			
CBR-6	38	L 75x75x8	1545	2	8.90	27.50		27.50			
	17	PL.60x10	95	1	78.50	0.45		0.45			
								27.95	2	55.90	

ABSTRACT			
SL.NO.	SECTION	WT. IN Kg.	REMARKS
1	L 75x75x8	3287.59	IS 2062-2011 E250-A
3	PL. 10 THK.	379.86	IS 2062-2011 E250-A
TOTAL WEIGHT		3667.45	

GRAND TOTAL = 3667.45 KGS. = 3.667

BILL OF MATERIALS											
ERECTION MKD.	ITEM NO.	SECTION	LENGTH IN mm.	NOS. REQD.	UNIT WT.	GROSS WT. (Kgs.)	SUBSTRAC TED	TOTAL WT. (Kgs.)	QTY. REQD.	ERE. MKD. WT.	REMARKS
CBR-1	1	L 75x75x8	5714	2	8.90	101.71		101.71			
	2	PL.60x10	95	6	78.50	2.68		2.68			
	3	PL.537x10	648	1	78.50	27.32		27.32			
CBR-1	4	L 75x75x8	2691	2	8.90	47.90		47.90			
	2	PL.60x10	95	3	78.50	1.34		1.34			
CBR-1	5	L 75x75x8	1838	4	8.90	65.43		65.43			
	3	PL.60x10	95	4	78.50	1.79		1.79			
CBR-1	4	L 75x75x8	2790	2	8.90	49.66		49.66			
	2	PL.60x10	95	3	78.50	1.34		1.34			
CBR-2	7	L 75x75x8	6515	2	8.90	115.97		115.97			
	2	PL.60x10	95	8	78.50	3.58		3.58			
	8	PL.548x10	627	1	78.50	26.97		26.97			
CBR-2	9	L 75x75x8	3166	2	8.90	56.35		56.35			
	2	PL.60x10	95	4	78.50	1.79		1.79			
CBR-2	10	L 75x75x8	1848	4	8.90	65.79		65.79			
	3	PL.60x10	95	4	78.50	1.79		1.79			
CBR-2	11	L 75x75x8	3138	2	8.90	55.86		55.86			
	4	PL.60x10	95	4	78.50	1.79		1.79			
CBR-3	12	L 75x75x8	5872	2	8.90	100.96		100.96			
	2	PL.60x10	95	6	78.50	2.68		2.68			
	12A	PL.534x10	654	1	78.50	27.42		27.42			
CBR-3	13	L 75x75x8	2718	2	8.90	48.38		48.38			
	2	PL.60x10	95	3	78.50	1.34		1.34			
CBR-3	14	L 75x75x8	1835	4	8.90	65.33		65.33			
	3	PL.60x10	95	4	78.50	1.79		1.79			
CBR-3	15	L 75x75x8	2714	2	8.90	48.31		48.31			
	4	PL.60x10	95	3	78.50	1.34		1.34			
CBR-4	16	L 75x75x8	3129	2	8.90	55.70		55.70			
	17	PL.60x10	95	4	78.50	1.79		1.79			
	18	PL.250x10	537	1	78.50	10.54		10.54			
CBR-4	19	L 75x75x8	1472	2	8.90	26.20		26.20			
	2	PL.60x10	95	1	78.50	0.45		0.45			
CBR-4	20	L 75x75x8	1520	2	8.90	27.06		27.06			
	3	PL.60x10	95	1	78.50	0.45		0.45			
CBR-4	21	L 75x75x8	2540	2	8.90	45.21		45.21			
	4	PL.60x10	95	3	78.50	1.34		1.34			
CBR-4	22	L 75x75x8	3219	2	8.90	57.30		57.30			
	5	PL.60x10	95	4	78.50	1.79		1.79			
	18	PL.250x10	537	1	78.50	10.54		10.54			
CBR-4	23	L 75x75x8	1503	2	8.90	26.75		26.75			
	6	PL.60x10	95	1	78.50	0.45		0.45			
CBR-4	24	L 75x75x8	1579	2	8.90	28.11		28.11			
	7	PL.60x10	95	1	78.50	0.45		0.45			
CBR-5	25	L 75x75x8	3535	2	8.90	62.92		62.92			
	17	PL.60x10	95	4	78.50	1.79		1.79			
	26	PL.250x10	528	1	78.50	10.36		10.36			
CBR-5	27	L 75x75x8	1708	2	8.90	30.40		30.40			
	2	PL.60x10	95	2	78.50	0.89		0.89			
CBR-5	28	L 75x75x8	1699	2	8.90	30.24		30.24			
	3	PL.60x10	95	2	78.50	0.89		0.89			
CBR-5	21	L 75x75x8	2540	2	8.90	45.21		45.21			
	4	PL.60x10	95	3	78.50	1.34		1.34			
CBR-5	29	L 75x75x8	3538	2	8.90	62.98		62.98			
	5	PL.60x10	95	4	78.50	1.79		1.79			
	26	PL.250x10	528	1	78.50	10.36		10.36			
CBR-5	30	L 75x75x8	1680	2	8.90	29.90		29.90			
	6	PL.60x10	95	2	78.50	0.89		0.89			
								30.80	2	61.60	

- NOTE :
1. ALL DIMENSIONS ARE IN mm & LEV. ARE IN M. U.O.S
  2. STRUCTURAL STEEL WORK SHALL BE OF MILD STEEL CONSTRUCTION CONFORMING TO IS 2062.
  3. ALL MATERIALS SHALL BE CLEAN, RUST FREE AND STRAIGHTENED IF NECESSARY, BEFORE BEING WORKED.
  4. ALL ARE WELDED CONSTRUCTION U.O.S.
  5. ALL SHOP WELDS ARE 6 mm THK. & SITE WELD 6mm THK. U.N.O.
  6. ALL WELDING SYMBOLS ARE AS PER IS 813.
  7. ALL ERECTION HOLES ARE 17.50 FOR M16 BOLTS U.N.O.
  8. ALL PERMANENT HOLES ARE 21.50 FOR M20 BOLTS U.N.O.
  9. ERECTION BOLT SHOWN THUS ...
  10. PERMANENT BOLT SHOWN THUS ...
  11. MARKING REF. DRG. NO. BEEL-9267-F-01, FABRICATION OF BAG FILTER STRUCTURAL FOR JSW BPSL
  12. ALL INCLINED MEMBER AND GUSSET PLATE SHALL BE CUT AFTER FULL SCALE LAYOUT AT SHOP.

DRAWN	PROJECT:
DESIGNED	CLIENT:
CHECKED	CONSULTANTS:
APPROVED	TITLE:-
DATE	FABRICATION DETAIL OF COLUMN BRACINGS
SCALE	
REV	JOB NO.
REVISION NOTE	DRAWING NO BEEL-9267-G-03
DATE	
DRAWN	
APP.	

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CONTD.