

CONNECTION DETAIL FOR BEAM FRAMING WITH COLUMN FLANGE:-

CONNECTION No. (CNn)	BEAM NO. (Bn)	BEAM CLEARANCE (Cb) (mm)	TOP COVER PLATE (CP1)					SEAT PLATE (SP)				SEAT VERTICAL PLATE (SVP)					ANGLE SECTION	ANGLE LENGTH (La) (mm)	WELDING SIZE (mm)	
			Lcp (mm)	Wcp (mm)	THK. (mm)	WS (mm)	WL1 (mm)	Lsp (mm)	Wsp (mm)	THK. (mm)	WS (mm)	Lsvp (mm)	Wsvp1 (mm)	Wsvp2 (mm)	THK. (mm)	WS (mm)			W1	W2
CN1,CN3	B9	12	500	250	20	18	250	500	350	20	14	500	500	450	12	14	ISA 100x100x10	450	8	8
CN2	B10	12	700	250	36	22	450	650	350	28	20	800	650	100	16	20	ISA 100x100x10	525	8	8
CN4	B1	12	700	350	22	18	350	600	450	28	18	700	600	100	28	18	ISA 100x100x10	525	8	8
CN5	B2	12	500	200	20	14	300	550	300	16	10	650	550	100	12	10	ISA 100x100x10	400	8	8

BEAM TO BEAM CONNECTION SCHEDULE:-

SUPPORTED BEAM NO. (Bn)	BEAM CLEARANCE (Cb) (mm)	ANGLE SECTION	ANGLE LENGTH (La) (mm)	W1	W2
B3	10	ISA 100x100x10	400	8	8
B4	10	ISA 75x75x6	300	6	6
B5	10	ISA 75x75x6	250	6	6
B6	10	ISA 50x50x6	200	6	6
B7	10	ISA 50x50x6	125	4	4
B8	10	ISA 50x50x6	125	4	4

LEGEND :-

NOTATION	ENTITY
CNn	Connection No.n
Cn	Column No. n
Bn	Beam No.n
CP1	Beam top cover plate at beam to column flange connection
CP2	Beam top cover plate at beam to column web connection
SP	Seat plate at beam bottom
SVP	Stiffener vertical plate below seat plate

NOTES:-

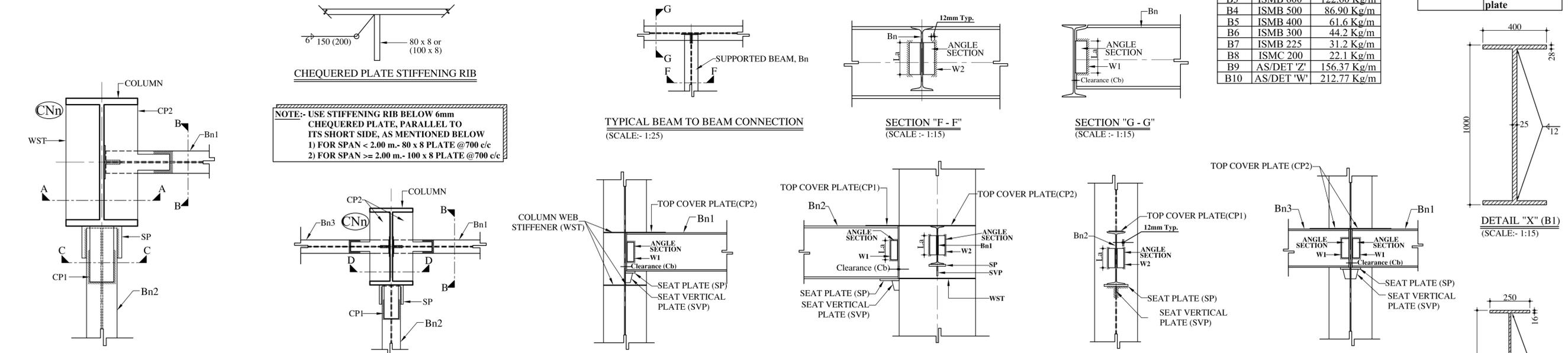
- ALL DIMENSIONS ARE IN mm & LEVELS ARE IN m.
- DIMENSIONS ARE TO BE READ AND NOT MEASURED.
- ALL STRUCTURAL STEEL ROLLED SECTIONS AND PLATES SHALL CONFORM TO LATEST REVISION OF IS : 226 AND IS : 2062.
- WELDING SHALL CONFORM TO IS : 816 & IS : 9595
- ALL ELECTRODES SHALL CONFORM TO IS : 814 (PART - 1)
- ALL M.S. FITTED BOLTS AND NUTS SHALL CONFORM TO IS : 3694
- WASHERS SHALL CONFORM TO IS : 5369, IS : 5370, IS : 5372 OR IS : 5374
- ALL WELDING SHALL BE FILLET WELD OF SIZE SPECIFIED AND WELDING TO BE DONE ALL AROUND THE SECTION, UNLESS NOTED OTHERWISE.
- REFER 0732SD02J02 SERIES DRAWINGS ALONG WITH THIS DRAWING.
- ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER IN CHARGE, BEFORE FURTHER PROGRESS OF THE WORK.

CONNECTION DETAIL FOR BEAM FRAMING WITH COLUMN WEB:-

CONNECTION No. (CNn)	BEAM NO. (Bn)	BEAM CLEARANCE (Cb) (mm)	TOP COVER PLATE (CP2)					SEAT PLATE (SP)				SEAT VERTICAL PLATE (SVP)					COLUMN WEB STIFFENER (WST)				ANGLE SECTION	ANGLE LENGTH (La) (mm)	WELDING SIZE (mm)	
			Lcp (mm)	Wcp (mm)	THK. (mm)	WS (mm)	WL1 (mm)	Lsp (mm)	Wsp (mm)	THK. (mm)	WS (mm)	Lsvp (mm)	Wsvp1 (mm)	Wsvp2 (mm)	THK. (mm)	WS (mm)	Lwst (mm)	Wwst (mm)	THK. (mm)	WS (mm)			W1	W2
CN1,CN2	B9	12	550	250	28	20	300	610	350	20	14	600	610	550	12	18	628	210	16	10	ISA 100x100x10	500	8	8
CN3	B9	12	550	250	28	20	300	610	350	20	14	600	610	550	12	18	720	210	16	10	ISA 100x100x10	500	8	8
CN4,CN5	B4	12	300	150	12	8	150	300	250	18	8	300	300	50	12	8	628	210	16	10	---	---	---	---

BEAM SCHEDULE :-

BEAM NO.	SECTION	WEIGHT
B1	AS/DET 'X'	361.10 Kg/m
B2	AS/DET 'Y'	135.15 Kg/m
B3	ISMB 600	122.60 Kg/m
B4	ISMB 500	86.90 Kg/m
B5	ISMB 400	61.6 Kg/m
B6	ISMB 300	44.2 Kg/m
B7	ISMB 225	31.2 Kg/m
B8	ISMC 200	22.1 Kg/m
B9	AS/DET 'Z'	156.37 Kg/m
B10	AS/DET 'W'	212.77 Kg/m



DETAIL "A" (TYP. BEAM COLUMN CORNER JUNCTION)
(SCALE:- 1:15)

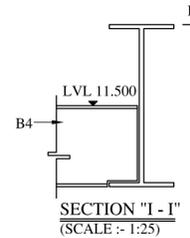
DETAIL "B" (TYP. BEAM TO COLUMN "T" JUNCTION)
(SCALE:- 1:25)

SECTION "A - A"
(SCALE :- 1:25)

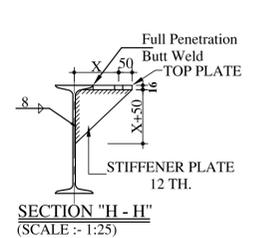
SECTION "B - B"
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SECTION "C - C"
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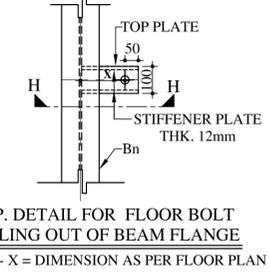
SECTION "D - D"
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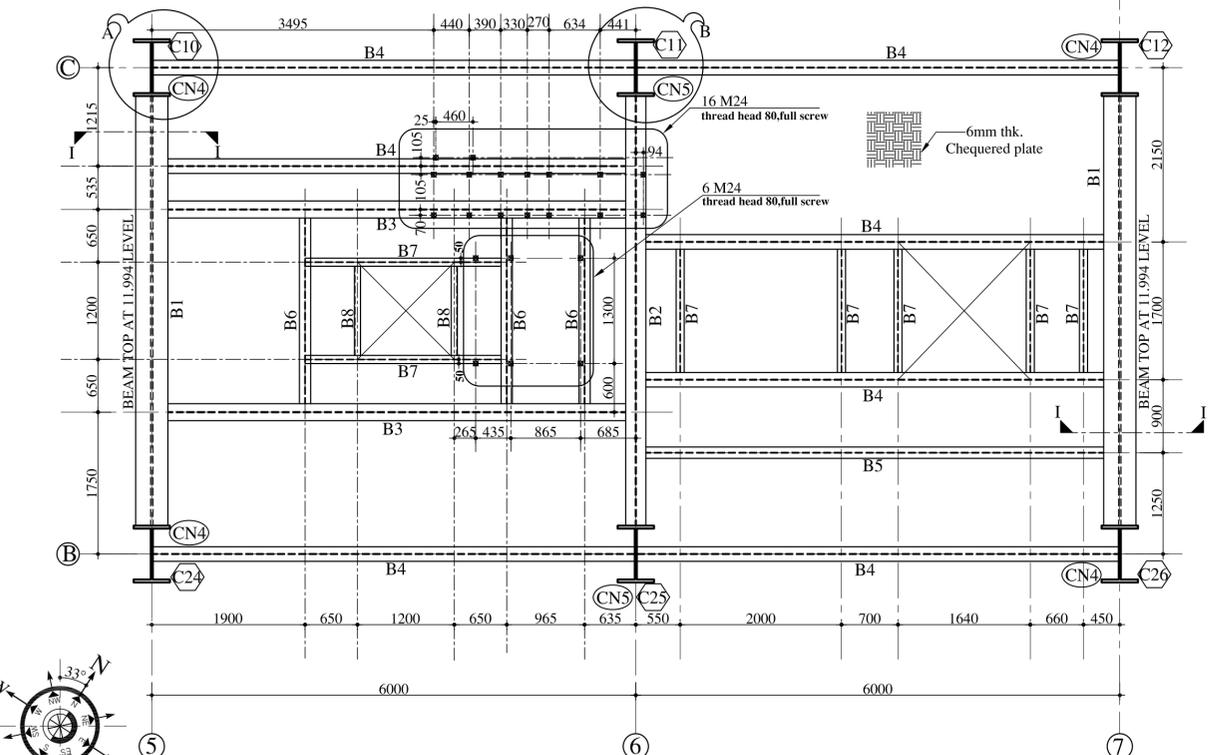
SECTION "I - I"
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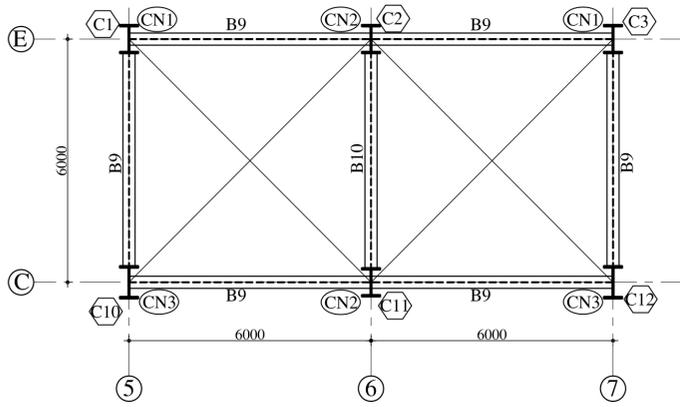
SECTION "H - H"
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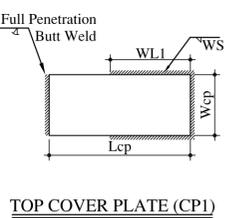
TYP. DETAIL FOR FLOOR BOLT FALLING OUT OF BEAM FLANGE
LEGEND :- X = DIMENSION AS PER FLOOR PLAN



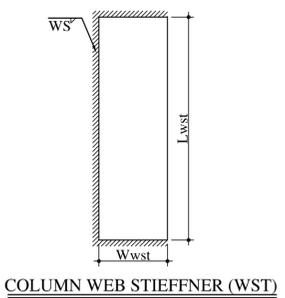
FRAMING PLAN AT 11.500 m LEVEL
(SCALE :- 1:50)



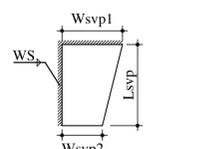
FRAMING PLAN AT 9.494 m LEVEL
(SCALE :- 1:100)



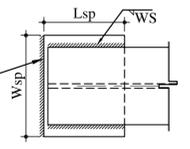
TOP COVER PLATE (CP1)



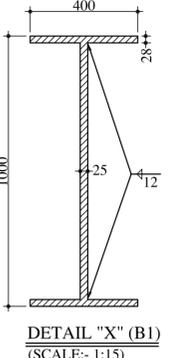
COLUMN WEB STIFFENER (WST)



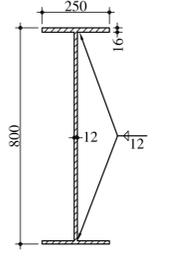
SEAT VERTICAL PLATE (SVP)



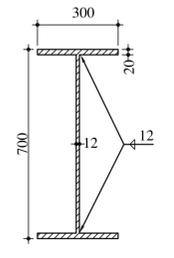
SEAT PLATE (SP)



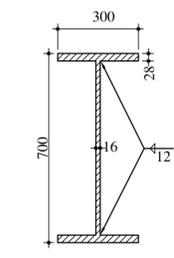
DETAIL "X" (B1)
(SCALE:- 1:15)



DETAIL "Y" (B2)
(SCALE:- 1:15)



DETAIL "Z" (B9)
(SCALE:- 1:15)



DETAIL "W" (B10)
(SCALE:- 1:15)

REV. NO.	REV. DATE	REVISION DETAILS	APPD. BY

PRINCIPAL CLIENT :-

ARCHITECT:-

PROJECT TITLE:-

DRG. NO.
DRAWING TITLE:-
STRUCTURAL DETAILS AT 9.494 m & 11.50 m LEVEL

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