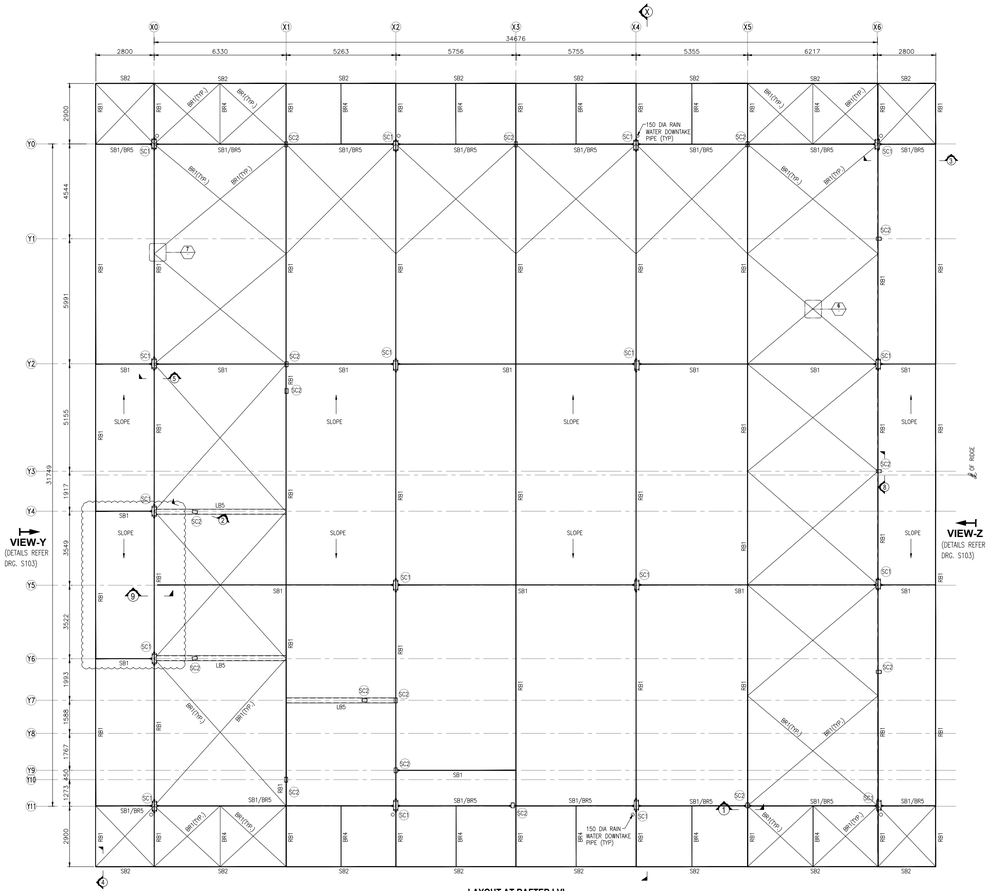
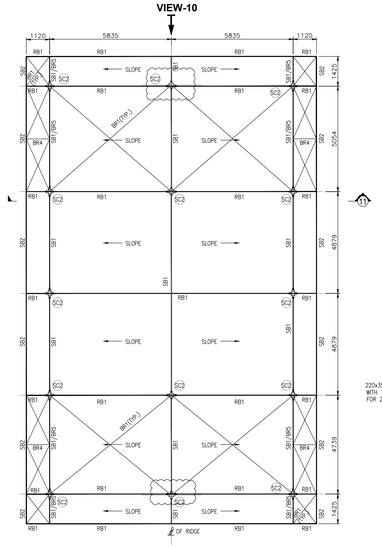
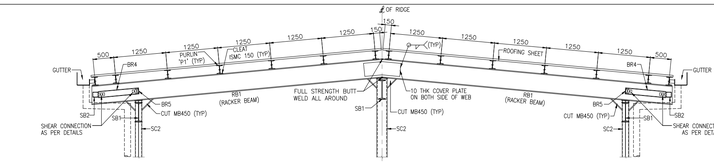


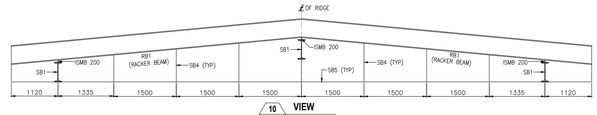
LAYOUT AT RAFTER LVL.
SCALE 1:100
INDICATES MOMENT CONNECTION
INDICATES SHEAR CONNECTION



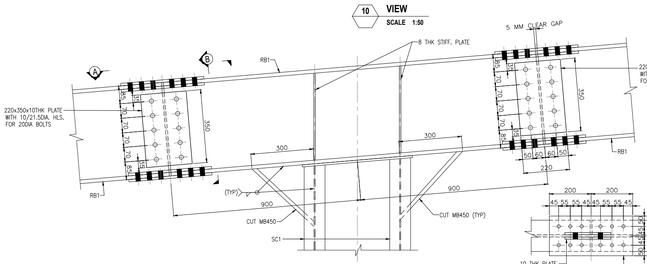
LAYOUT AT RAFTER LVL.
SCALE 1:100
INDICATES MOMENT CONNECTION
INDICATES SHEAR CONNECTION



11 SECTION
SCALE 1:50

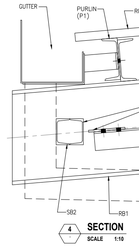


10 VIEW
SCALE 1:50

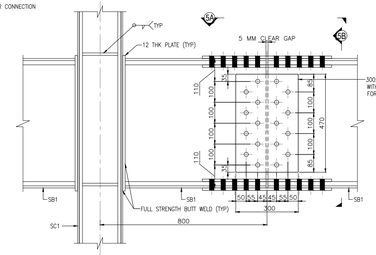


*** TYP. DETAIL OF SPLICE JOINT NEAR COLUMN JUNCTION**
SCALE 1:10

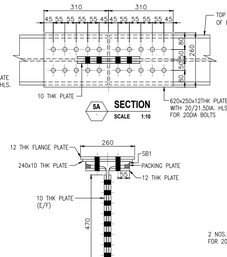
A SECTION
SCALE 1:10



4 SECTION
SCALE 1:10

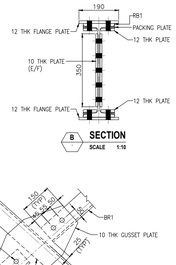


5 SECTION
(TYP. DETAIL AT JUNCTION OF COLUMN & BEAM SB1)
SCALE 1:10



5A SECTION
SCALE 1:10

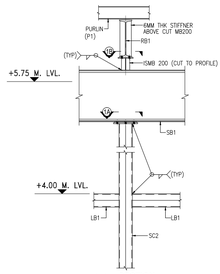
5B SECTION
SCALE 1:10



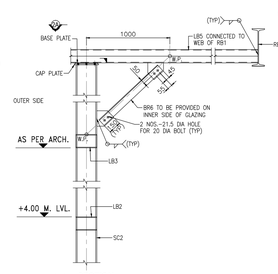
B SECTION
SCALE 1:10



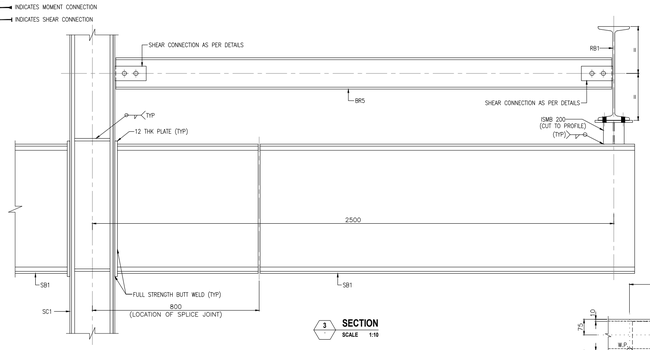
6 DETAIL
SCALE 1:10



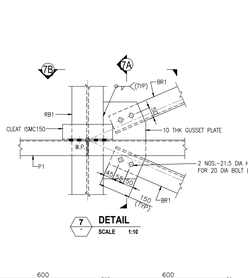
1 SECTION
SCALE 1:20



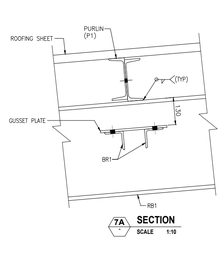
2 SECTION
SCALE 1:20



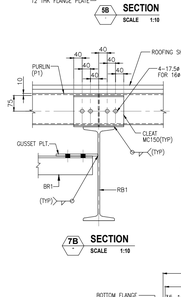
3 SECTION
SCALE 1:10



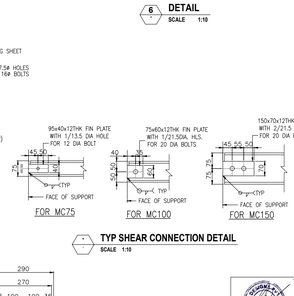
7 DETAIL
SCALE 1:10



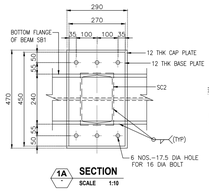
7A SECTION
SCALE 1:10



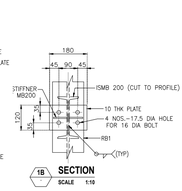
7B SECTION
SCALE 1:10



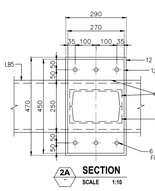
*** TYP SHEAR CONNECTION DETAIL**
SCALE 1:10



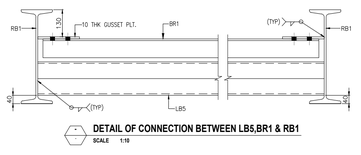
1A SECTION
SCALE 1:10



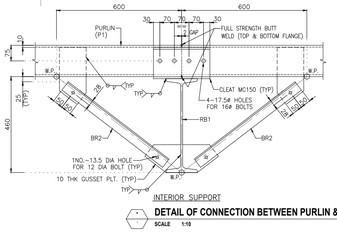
1B SECTION
SCALE 1:10



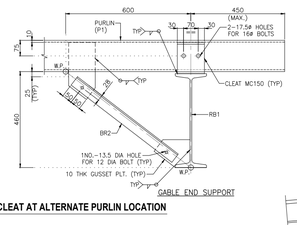
2A SECTION
SCALE 1:10



DETAIL OF CONNECTION BETWEEN LB5,BR1 & RB1
SCALE 1:10

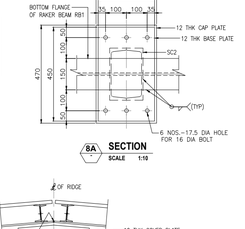


INTERIOR SUPPORT



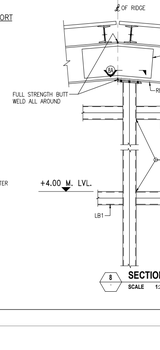
GABLE END SUPPORT

*** DETAIL OF CONNECTION BETWEEN PURLIN & CLEAT AT ALTERNATE PURLIN LOCATION**
SCALE 1:10

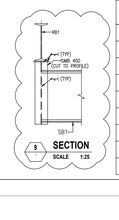


8A SECTION
SCALE 1:10

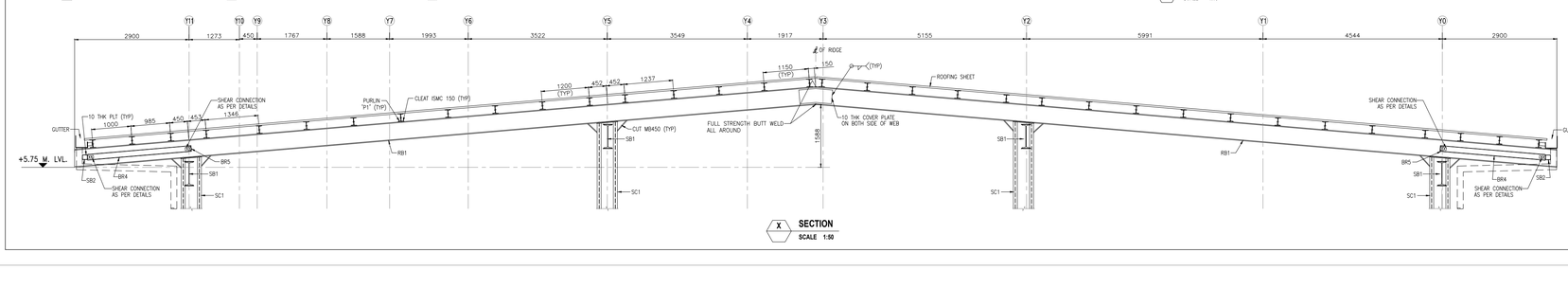




8 SECTION
SCALE 1:20



9 SECTION
SCALE 1:20



X SECTION
SCALE 1:50

SCHEDULE OF STEEL MEMBERS

BEAM NO.	MEMBER	REMARKS
SC2	MC 250 BOX □	COLUMN
SC1	2-ISMB500 @ 410 c/c WITH 12MM DBL PLATE WELDED & 2 THK PLATE ON BOTH FLANGES	
SC3	SHS 80x80x4 □	COLUMN
SB1	ISMB 600 WITH CONTINUOUSLY WELDED 240 WIDE x 10 THK PLATE ON BOTH FLANGES	BEAM
SB2	MC 125 BOX ⊡	BEAM
SB3	SHS 72x72x4 □	BOXING MEMBER
SB4	ISMC 100	VERTICALS
SB5	ISMC 75	BEAM
SB6	SHS 60x60x3.2 □	BEAM
LB1A,LB4A	MC 250 BOX ▭	BEAM
LB1,LB4,LB5	MC 250 BOX ▯	BEAM
LB2,LB3	250x160 BOX FABRICATED FROM PLATES REFER TYPICAL DETAIL	CURVED BEAM
RB1	ISMB450	RAKER BEAM (SLOPING)
BR1	L 90x90x8	BRACING
BR2	L 50x50x6	RAFTER STAY
BR3	SHS 38x38x3.2 ⊡	BOXING VERTICAL BRACING
BR3A	SHS 38x38x3.2 ⊡	BOXING PLAN BRACING
BR4	ISMC150	BEAM
BR5	ISMC150	BEAM
BR6	L 90x90x8	STAY FOR SC1
P1	ISMC 150 WITH SAG ROD @ CENTRE	PURLIN

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1) ANY DISCREPANCY BETWEEN THIS DRAWINGS AND DRAWINGS OF ARCHITECTS, MEP AND OTHER CONSULTANTS SHALL BE BROUGHT TO OUR NOTICE BEFORE CONSTRUCTION.
2) ALL CONCRETE FOR STRUCTURAL USE SHALL BE WEIGH BATCHED,MACHINE MIXED AND MECHANICALLY VIBRATED.
3) IF SPECIFICALLY AGREED IN OUR CONTRACT OUR SCOPE WILL INCLUDE PERIODIC SUPERVISION AT SITE TO MAINLY VERIFY REINFORCEMENT PLACEMENT AND GENERAL QUALITY OF CONSTRUCTION. THE OWNER WILL APPOINT LICENCED SUPERVISOR FOR DAY TO DAY SUPERVISION OF CONSTRUCTION. THE RESPONSIBILITY FOR SOUND AND SAFE CONSTRUCTION SHALL LIE SOLELY WITH THE CONTRACTOR AND OWNER.
4) THE RESPONSIBILITY OF KDPL SHALL INCLUDE THE CORRECTNESS OF STRUCTURAL DESIGN AS REFLECTED IN THIS DRAWING BUT WILL EXCLUDE THE FOLLOWING.
   A) DESIGN AND SAFETY OF SCAFFOLDING, SHUTTERING, CENTERING AND ANY OTHER TEMPORARY STRUCTURE ERECTED AT SITE.
   B) ANY INJURY CAUSED TO ANY PERSON AT SITE DUE TO ANY ACCIDENT CAUSED FOR REASONS OTHER THAN FAULTS IN THIS DRAWING.
   C) SAFETY OF ANY BUILDING, ROAD AND OTHER STRUCTURES NEAR THE CONSTRUCTION SITE AND ANY PERSON THEREIN AND SAFETY OF ANY STRUCTURE OR PERSON DURING DEMOLITION AND EXECUTION WORK.

Key Plan

GENERAL NOTES

1) ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS, COORDINATES ARE IN METRES. UNLESS NOTED OTHERWISE.
2) DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3) FOR CENTERLINES, LEVELS ETC. REFER ARCHITECTURAL DRGS.
4) C. C. MIX FOR ALL R.C. WORKS TO BE M25 UNLESS NOTED OTHERWISE.
5) ? INDICATES HIGH STRENGTH DEFORMED BARS Fe500 AS PER IS CODE 1786 BUT % ELONGATION SHOULD BE MORE THAN 14.5%
6) CLEAR COVER TO MAIN BARS AS FOLLOWS :
   FOOTINGS – 50 mm,
   COLUMNS – 40 mm,
7) ALL WELD 8 mm CONTINUOUS FILLET WELD AS PER IS 816(U.N.O.)
8) ALL GUSSET PLATE SHOULD BE 10 THK UNLESS NOTED OTHERWISE.
9) ALL DIMENSIONS MUST BE VERIFIED ON SITE BEFORE FABRICATION.
10) ALL STEEL SECTIONS SHOULD CONFIRM TO GRADE Fe 250 AS PER CODE IS800
11) CONTRACTOR SHOULD SUBMIT FABRICATION DRG. FOR APPROVAL
12) ALL STEEL WORK TO RECEIVE ONE COAT OF RED OXIDE BEFORE ERECTION & SHOULD BE PAINTED WITH 3 COATS OF POLYEURETHENE PAINT FOR CORROSION PROTECTION.
13) BOLTS TO BE a) 12ø in 13.5 DIA HOLES.
    b) 16ø in 17.5 DIA HOLES.
    c) 20ø in 21.5 DIA HOLES.
    d) 25ø in 27.0 DIA HOLES.

REFERENCE DRG.

S105	LAYOUT & DETAILS AT PURLIN LVL.(SALES OFFICE & BOH BLOCK)
S103	LAYOUT & DETAILS AT +5.75M LVL.(SALES OFFICE)
DRG NO.	DRG TITLE

ISSUE	PURPOSE OF ISSUE	DATE	Drawn
R1	REVISED AS MARKED	23.07.21	PRP

PROJECT:

PROPOSED PREMIER LAND SALES OFFICE

CLIENT:

LODHA GROUP
Lodha Excelus,Level 7,
Apollo Mills Compound,
N M Joshi Marg,Mahalaxmi,
Mumbai-400011.

CONSULTING ARCHITECT:

ARCHITECT OF RECORD:

STRUCTURAL CONSULTANTS:

Dr. Kelkar Designs Pvt. Ltd.
Consulting Civil-Structural Engineers
610, Keshava, Bandra Kurla Complex, Mumbai 400051
91-22-26592277/78/79 www.kelkardesigns.com

MEP CONSULTANT:

DRAWING TITLE:

LAYOUT & DETAILS AT RAFTER LVL.
(SALES OFFICE & BOH BLOCK)

ISSUED FOR CONSTRUCTION

ORIGINAL SCALE 1:1	Drawn:- SDP	Checked:- PRP	Authorised:- MM	Size
	Date:- 24.05.2021	Date:- 24.05.2021	Date:- 24.05.2021	A0

DRAWING NUMBER: K599-GFC-S104 Rev: R1