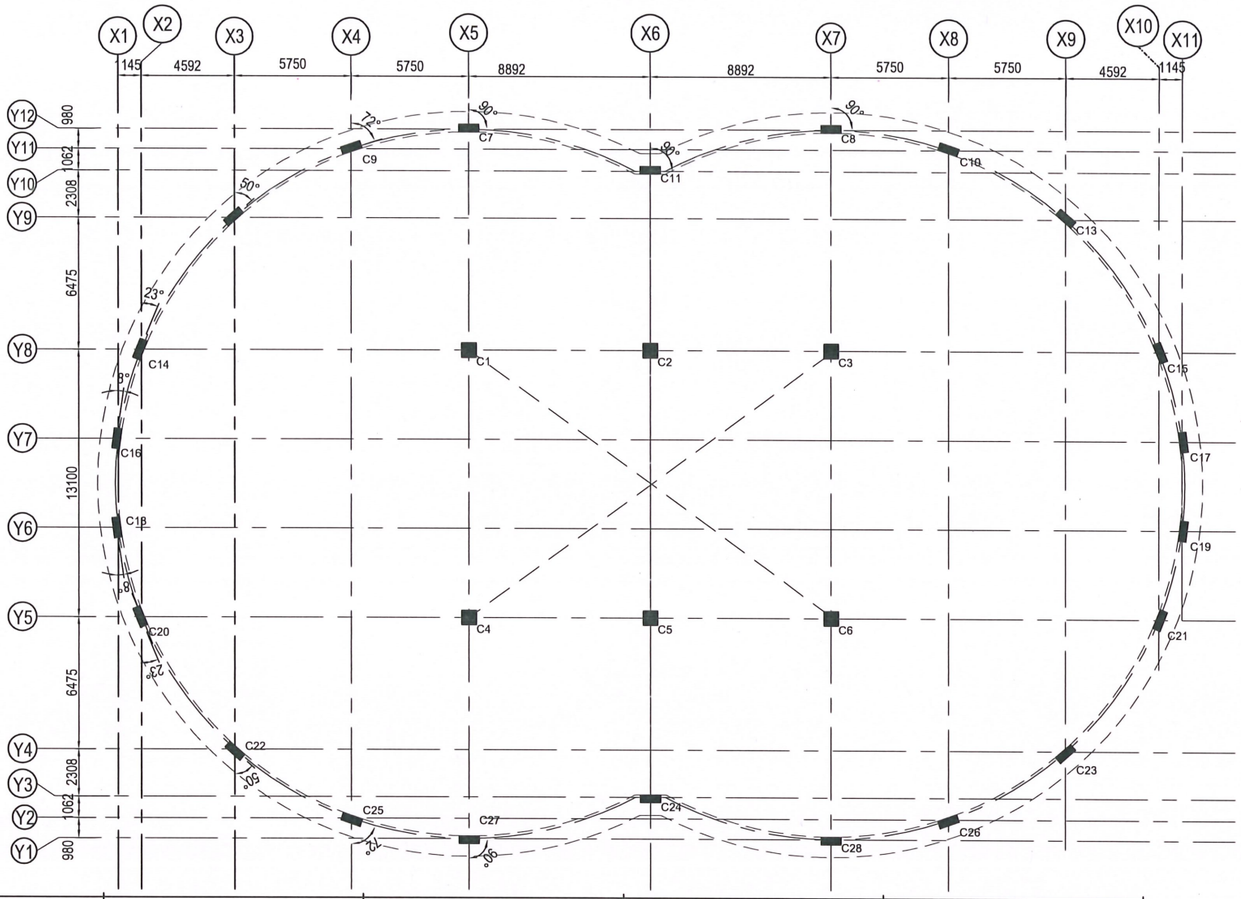
Attachment No. 1 of Addendum No. 11

Legend Revised

Item No.	Drawing Name	Drawing No.							
		1	2	3	4	5	6	7	8
A	LIST OF REVISED DRAWINGS								
1	STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT - 2 (COLUMN) (1)	TD	-JIC	-IC1	-TDC	-B01	-UST	-NTU	-16000002
2	STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT - 2 (BEAM FRAMING) (2)	TD	-JIC	-IC1	-TDC	-B01	-UST	-NTU	-16020002
3	STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT - 3 (REIN. DETAIL SLOPING ROOF DETAIL)	TD	-JIC	-IC1	-TDC	-B01	-UST	-NTU	-17811001

STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT-2

(COLUMN) (1)



ID	EASTING	NORTHING
C1	281374.312	2112127.935
C2	281382.918	2112130.172
C3	281391.524	2112132.410
C4	281377.609	2112115.256
C5	281386.215	2112117.494
C6	281394.821	2112119.732
C7	281371.571	2112138.477
C8	281388.783	2112142.952
C9	281366.251	2112136.086
C10	281394.593	2112143.455
C11	281380.691	2112138.738
C12	281361.530	2112131.394
C13	281401.002	2112141.658
C14	281358.667	2112123.866
C15	281407.170	2112136.478
C16	281358.663	2112119.353
C17	281409.371	2112132.539
C18	281359.762	2112115.128
C19	281410.470	2112128.313
C20	281361.963	2112111.188
C21	281410.466	2112123.800
C22	281368.131	2112106.009
C23	281407.603	2112116.273
C24	281388.442	2112108.929
C25	281374.540	2112104.211
C26	281402.881	2112111.580
C27	281380.350	2112104.714
C28	281397.562	2112109.190

STRUCTURAL NOTES

1. ALL DIMENSIONS ON DRAWINGS ARE SHOWN IN MM UNLESS MENTIONED OTHERWISE.
2. DRAWING NOT TO BE SCALED ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. THIS BUILDING HAS BEEN DESIGN AS GROUND AND FIRST FLOOR STRUCTURE FOR FOLLOWING LOAD SCHEDULE:
   - 3.1. ACCESSIBLE TERRACE FLOOR LOAD @ 1.5 KN/Sqm
   - 3.2. INACCESSIBLE TERRACE FLOOR LOAD @ 0.75 KN/Sqm
4. GRADE OF MATERIALS SHALL BE AS FOLLOWS UNLESS MENTIONED OTHERWISE
   - 4.1. R.C.C.: M35
   - 4.2. P.C.C.: M20
   - 4.3. REINFORCEMENT: Fe500D (IS 1786)
5. MIN .LAP LENGTH SHALL BE 50xDIA OF SMALLER BAR BEING LAPPED, UNLESS MENTIONED OTHERWISE. NOT MORE THAN 50% BARS SHALL BE LAPPED AT A SECTION.
6. THE OVER LAPS SHALL BE PLACED AS FOLLOWS:
   - 6.1. BEAM
     - 6.1.1. BOTTOM BARS:- NEAR SUPPORTS
     - 6.1.2. TOP BARS:- NEAR MID SPAN.
   - 6.2. COLUMN - AT MID HEIGHT
   - 6.3. ALL OVERLAPS SHALL BE STAGGERED.
7. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
   - 7.1. COLUMNS - SIDE & TOP = 40 mm
   - 7.2. BEAMS - BOTTOM , SIDES & TOP = 35 mm
   - 7.3. SLABS - BOTTOM , SIDES & TOP = 20 mm
   - 7.4. WALL CONCRETE COVER 25mm.
8. ALL STIRRUPS & COLUMN RINGS SHALL BE USING PROPER HOOKS AS PER STANDARDS AND GUIDELINES OF IS 456:2000.
9. ALL CONCRETE SHALL HAVE SHUTTER FINISH, REQUIRING NO PLASTER.
10. CONSTRUCTION JOINT SHALL BE PLACED AT ACCESSIBLE LOCATION SO THAT OLD SURFACE CAN BE CLEAN BEFORE LAYING NEW CONCRETE
11. LOCATION OF CONSTRUCTION JOINT SHALL BE GET APPROVED BY ENGINEER.
12. SURFACE REINFORCEMENT AND DISTRIBUTION REINFORCEMENT SHALL CONTINUE IN FULL LENGTH AND WIDTH OF BEAMS AND WALLS ON BOTH THE SURFACES.

FORMATION	M35 : Fe500D , COVER = 40MM CONFINING ZONE = 835 MM			M35 : Fe500D , COVER = 40MM CONFINING ZONE = 900 MM			M35 : Fe500D , COVER = 40MM CONFINING ZONE = 1000 MM			M35 : Fe500D , COVER = 40MM CONFINING ZONE = 1000 MM		
TO	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
FIRST FLOOR(12.30M)	T10 @ 100	T10 @ 100	T10 @ 150	T8 @ 100	T8 @ 100	T8 @ 250	T8 @ 75	T10 @ 75	T10 @ 175	T8 @ 75	T12 @ 75	T12 @ 175
	700 / 700 ● T25 ● T20			700 / 700 ● T16			385 / 1000 ● T16 ● T12			385 / 1000 ● T20 ● T16		
	12-T25 + 8-T20			20-T16			12-T16 + 10-T12			4-T20 + 18-T16		
COLUMN MARKED	C1, C3, C4, C6			C2, C5			C7, C8, C9, C10, C11, C12, C13, C16, C17, C18, C19, C22, C23, C24, C25, C26, C27, C28			C14, C15, C20, C21		

COLUMN AND WALL SCHEDULE

NOTES:
1. BE = BOUNDARY ELEMENT AS PER IS 456 + IS 13920 - 1993. PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
2. Z1(MAIN LINK) = Z1(OTHERS) = SPECIAL CONFINING ZONE AS PER IS 456 + IS 13920 - 1993,
3. Z2 = REMAINING ZONES AS PER IS 456 + IS 13920 - 1993

FIRST FLOOR(12.30M) TO COLUMN TOP LEVEL	M35 : Fe500D , COVER = 40MM CONFINING ZONE = 700 MM			M35 : Fe500D , COVER = 40MM CONFINING ZONE = 770 MM		
	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
	T8 @ 100	T8 @ 100	T8 @ 300	T8 @ 100	T8 @ 100	T8 @ 250
	700 / 700 ● T25 ● T20			700 / 700 ● T16		
	12-T25 + 8-T20			20-T16		
COLUMN MARKED	C1, C3, C4, C6			C2, C5		

COLUMN AND WALL SCHEDULE

Project	Mumbai-Ahmedabad High Speed Railway for Project (Package No.MAHSR-C-2)	OWNER	NATIONAL HIGH SPEED RAIL CORPORATION LTD.
JICA Study Team	Japan International Consultants for Transportation NIPPON KOEI ORIENTAL CONSULTANTS GLOBAL	Revised	10 JAN 2020
		Prepared	
		Checked	10 JAN 2020
		Approved	10 JAN 2020

Adopted by: NHSRCL

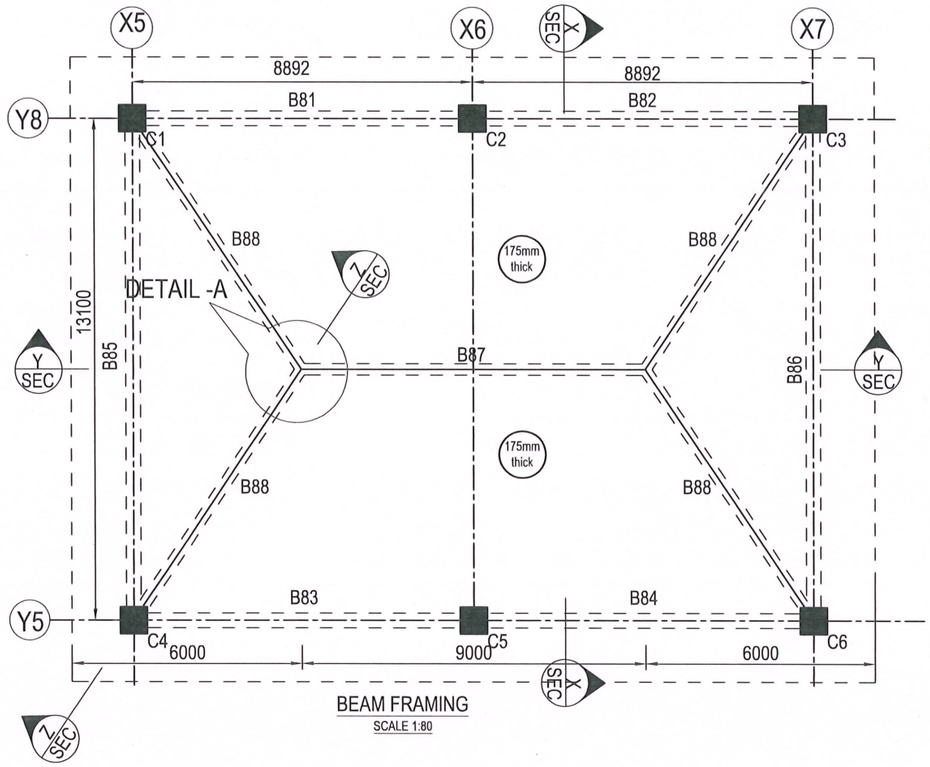
Title: STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT -2 (COLUMN) (1)

Scale: 1:20 ,1:150 @ A1

Drawing No.: TD -JIC -IC1 -TDC -B01 -UST -NTU-16000002

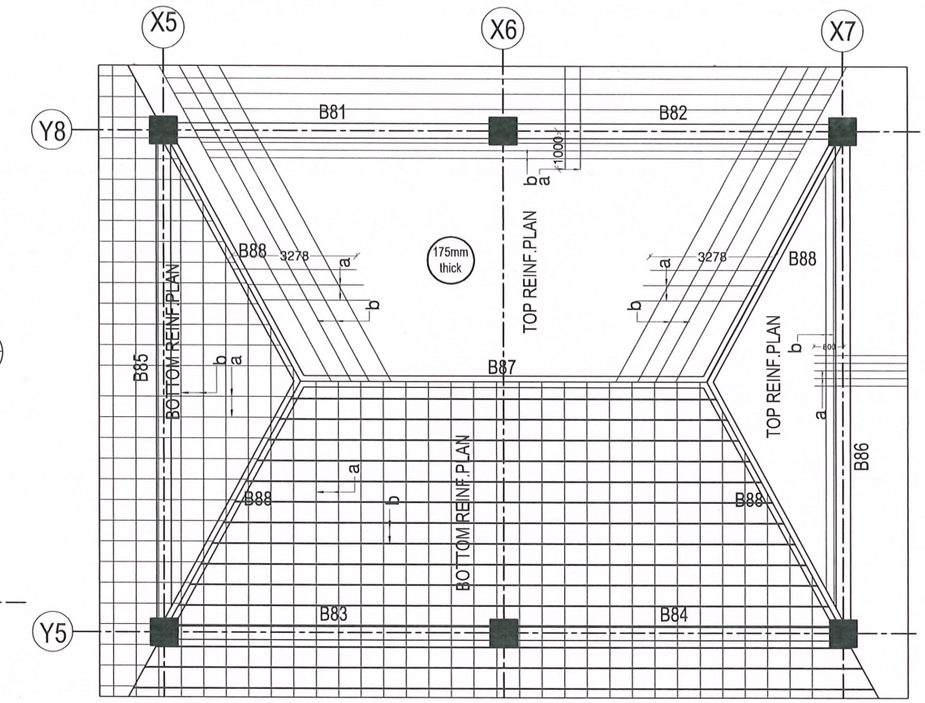
STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT -2

(BEAM FRAMING) (2)



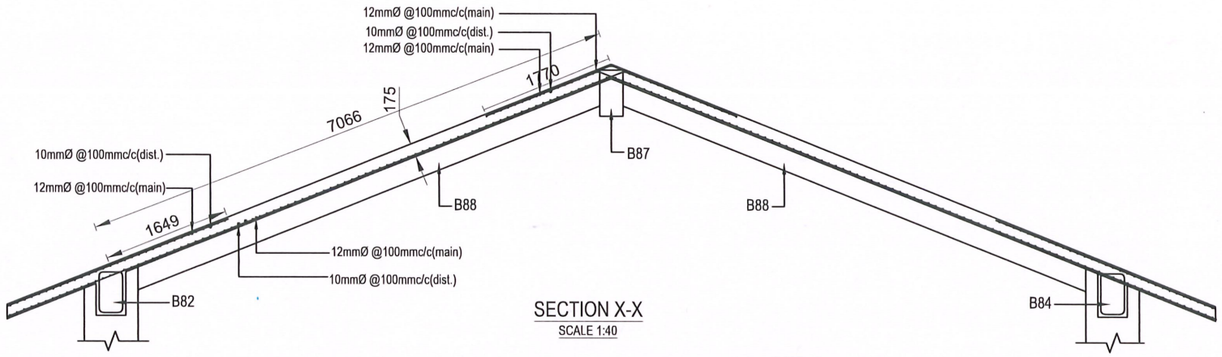
BEAM FRAMING

SCALE 1:80



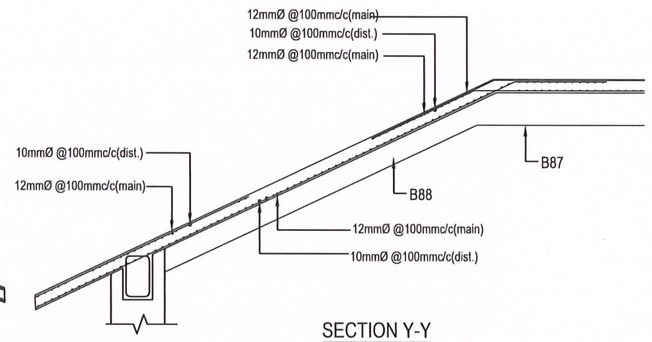
SLAB DETAILS AT TOP

SCALE 1:80



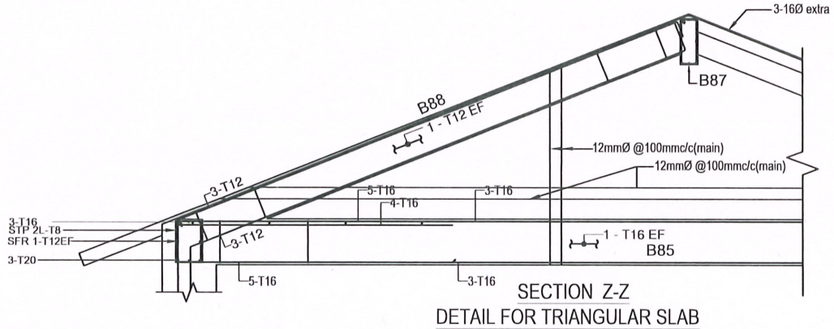
SECTION X-X

SCALE 1:40



SECTION Y-Y

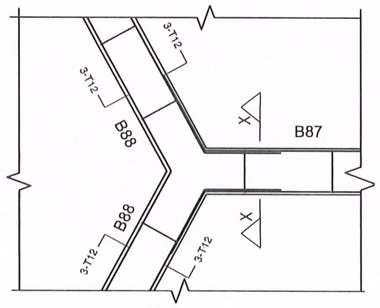
SCALE 1:40



SECTION Z-Z

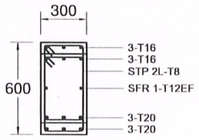
DETAIL FOR TRIANGULAR SLAB

SCALE 1:40



DETAIL - A

SCALE 1:20



SECTION X-X

SCALE 1:20

Bar Mark	Reinforcement
a	T12 @ 100 c/c (main bars)
b	T10 @ 100 c/c (dist. bars)

STRUCTURAL NOTES

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3. THIS BUILDING HAS BEEN DESIGN AS GROUND AND FIRST FLOOR STRUCTURE FOR FOLLOWING LOAD SCHEDULE:
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   - 3.2. INACCESSIBLE TERRACE FLOOR LOAD @ 0.75 KN/Sqm
4. GRADE OF MATERIALS SHALL BE AS FOLLOWS UNLESS MENTIONED OTHERWISE
   - 4.1. R.C.C.: M35
   - 4.2. P.C.C.: M20
   - 4.3. REINFORCEMENT: Fe500D (IS 1786)
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Project

Mumbai-Ahmedabad High Speed Railway Project
(Package No. MAHSR-C-2)

OWNER

NHSRCL
NATIONAL HIGH SPEED RAIL CORPORATION LTD.

JICA Study Team

Japan International Consultants for Transportation
NIPPON KOEI
ORIENTAL CONSULTANTS GLOBAL

Revised	NA	Date 10 JAN 2020
Prepared		
Checked		10 JAN 2020
Approved		10 JAN 2020

Adopted by: NHSRCL

Title: STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT -2 (BEAM FRAMING)(2)

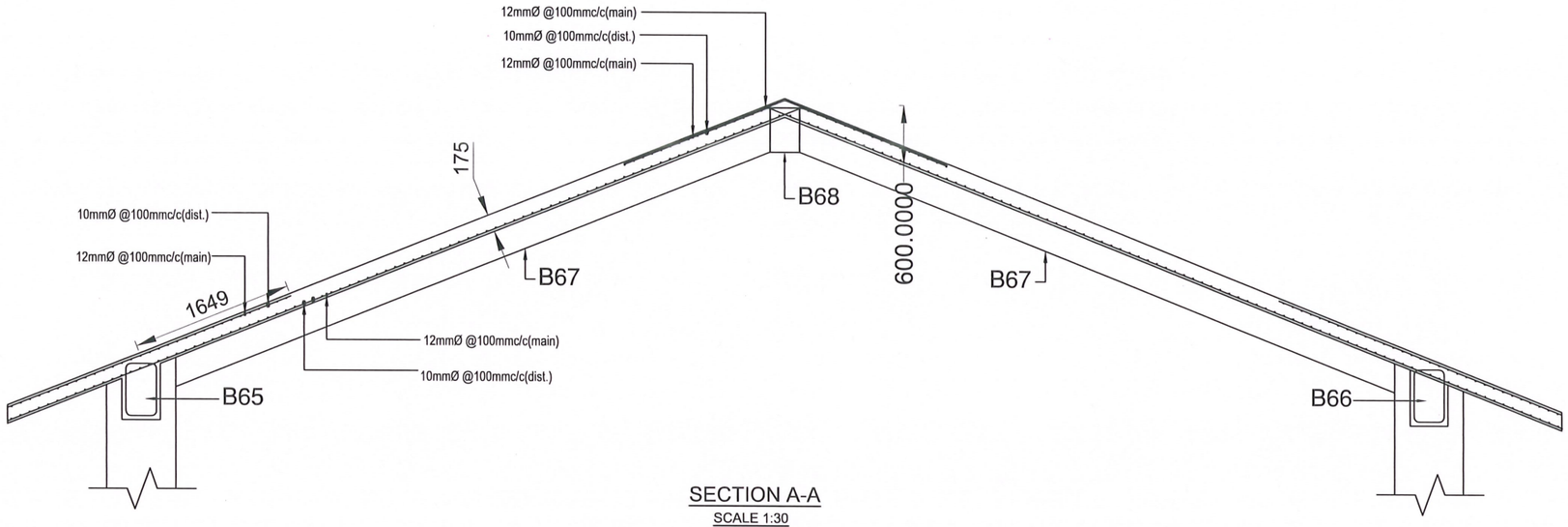
Scale: AS MENTIONED @ A1

Drawing No.: TD-JIC-IC1-TDC-B01-UST-NTU-16020002

National High Speed Rail Corporation Ltd. Reg. No. 291002

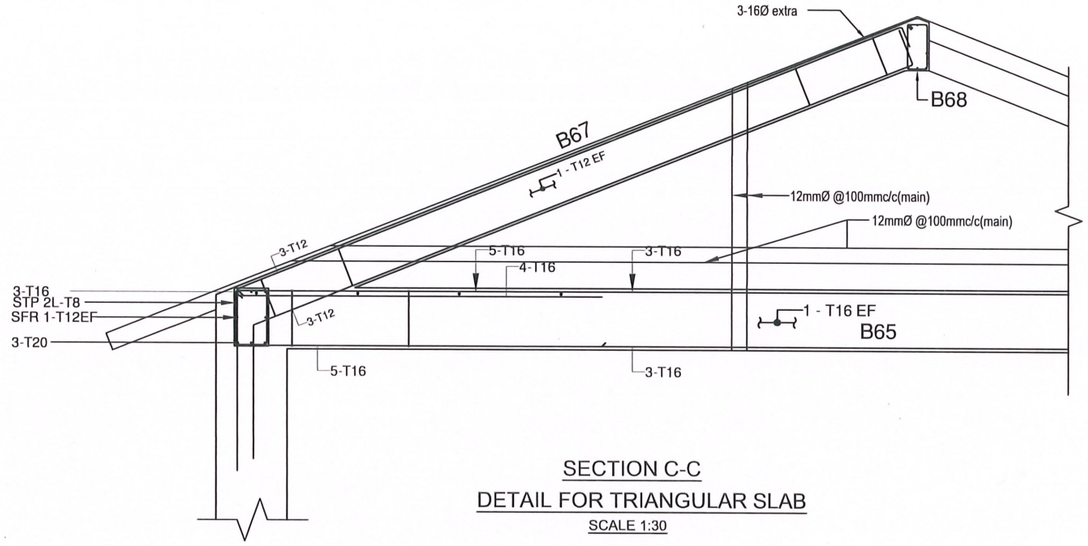
STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT -3

(REINFORCEMENT DETAIL SLOPING ROOF DETAIL)



SECTION A-A

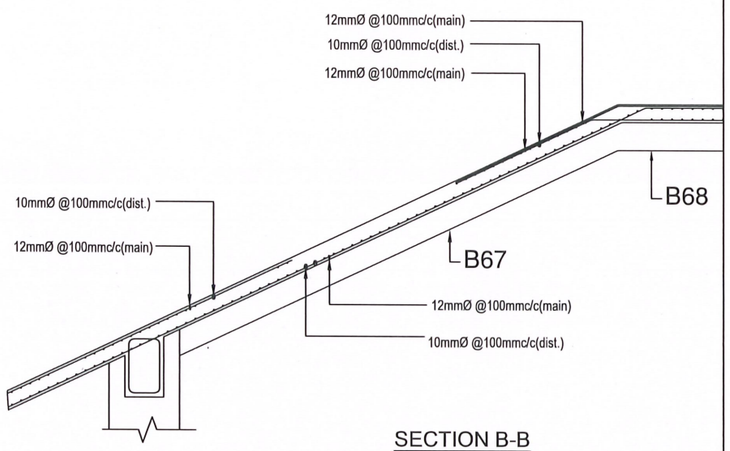
SCALE 1:30



SECTION C-C

DETAIL FOR TRIANGULAR SLAB

SCALE 1:30



SECTION B-B

SCALE 1:30

Bar Mark	Reinforcement
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Project: Mumbai-Ahmedabad High Speed Railway Project (Package No. MAHSR-C-2)	OWNER: NHSRCL NATIONAL HIGH SPEED RAIL CORPORATION LTD.	JICA Study Team: Japan International Consultants for Transportation; NIPPON KOEI; ORIENTAL CONSULTANTS GLOBAL	Revised: HA — Date: 10 JAN 2020; Prepared; Checked — 10 JAN 2020; Approved — 10 JAN 2020	Adopted by: NHSRCL; Title: STRUCTURAL DETAILS OF VENTILATION BUILDING FOR SHAFT -3 (REINFORCEMENT DETAIL SLOPING ROOF DETAIL); Scale: AS MENTIONED @ A1; Drawing No.: TD-JIC-IC1-TDC-B01-UST-NTU-17811001