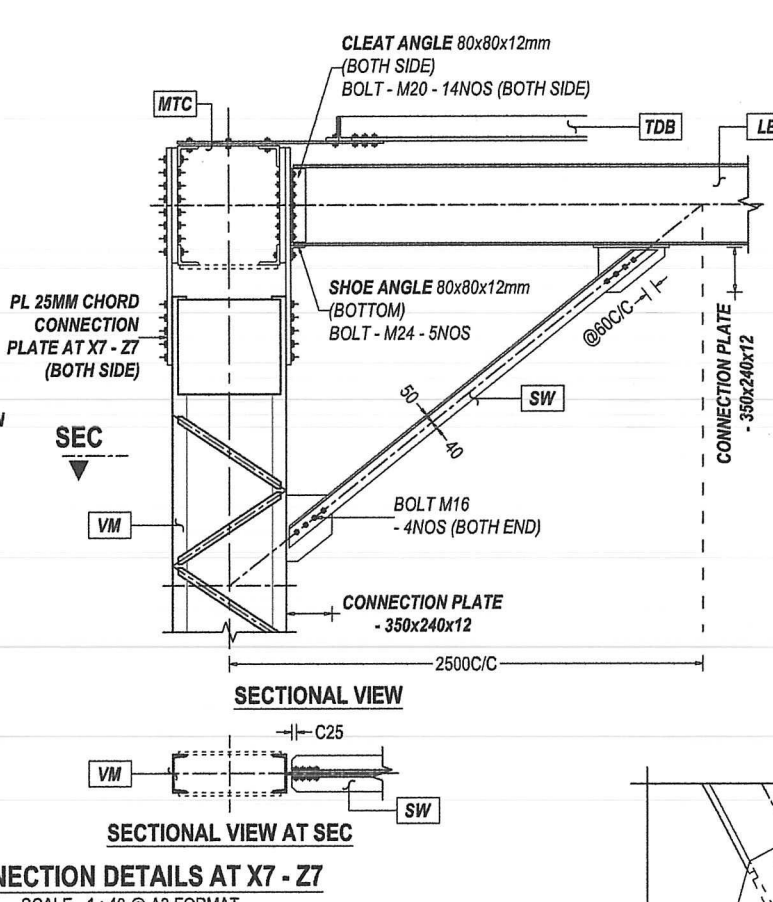
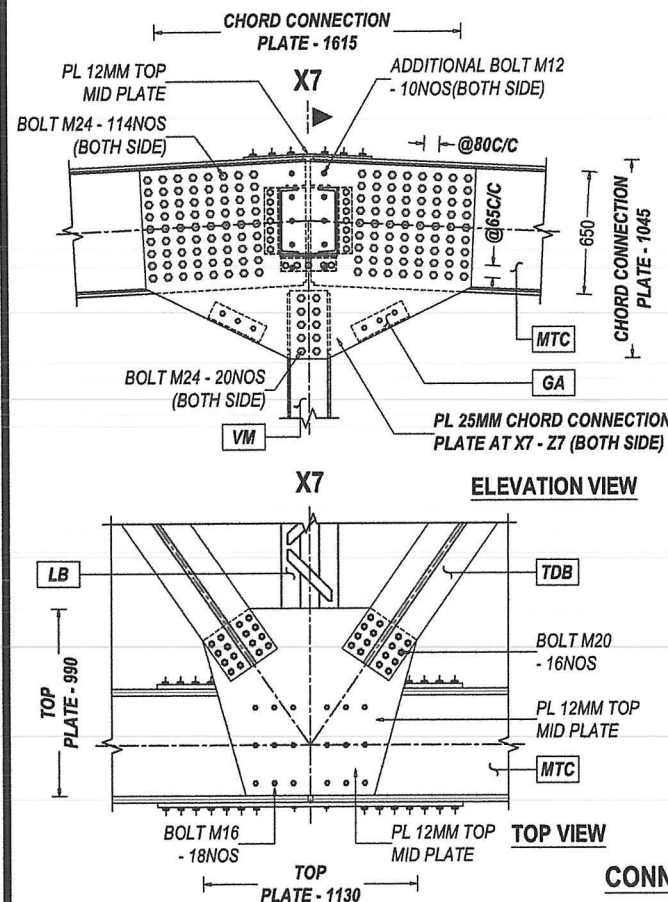
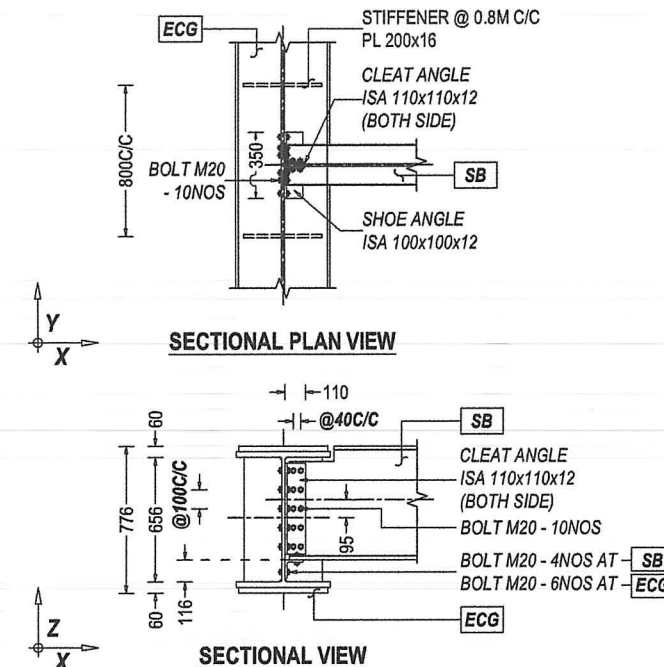
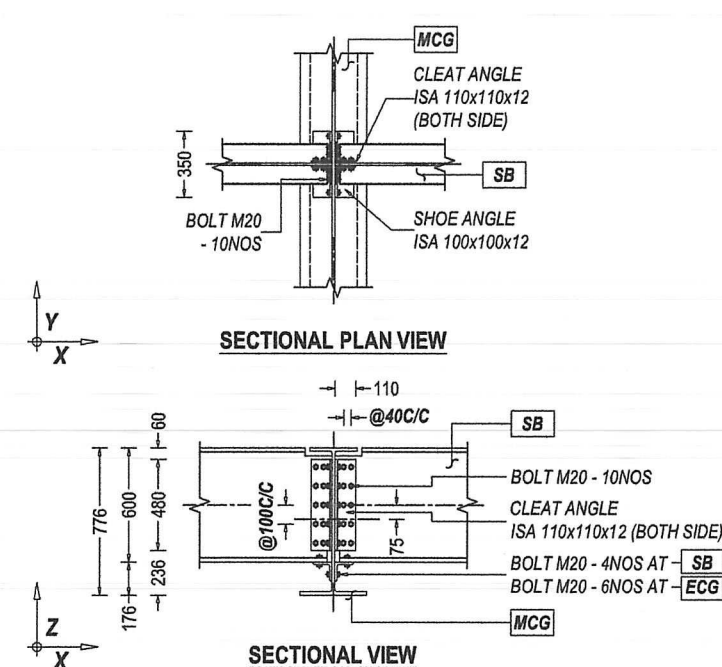




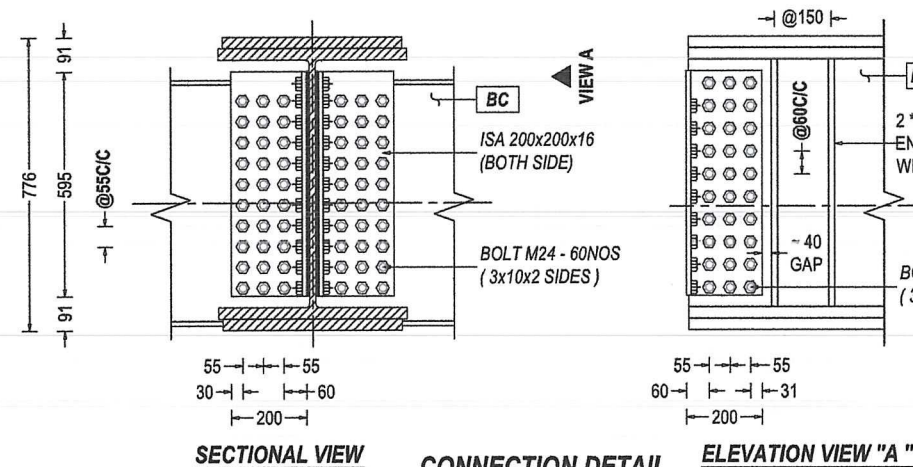
CONNECTION DETAILS AT X7 - Z7
SCALE - 1 : 40 @ A3 FORMAT



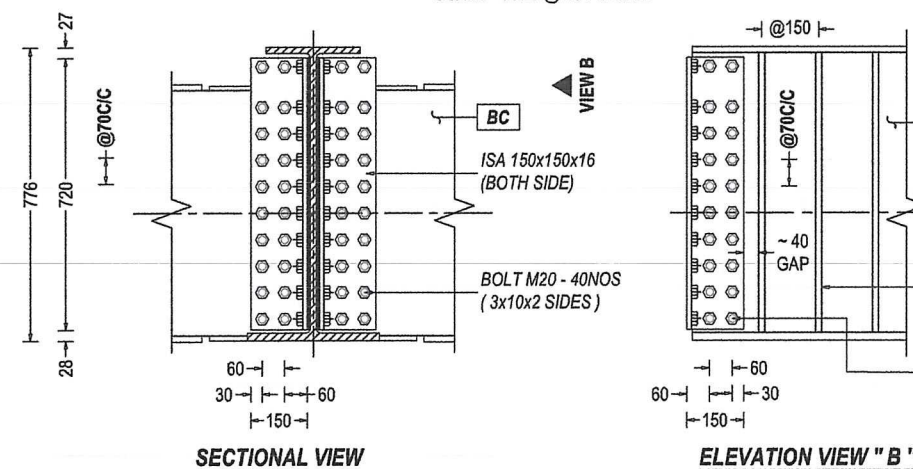
**CONNECTION DETAILS AT
END CROSS GIRDER & STRINGER**
SCALE - 1 : 40 @ A3 FORMAT



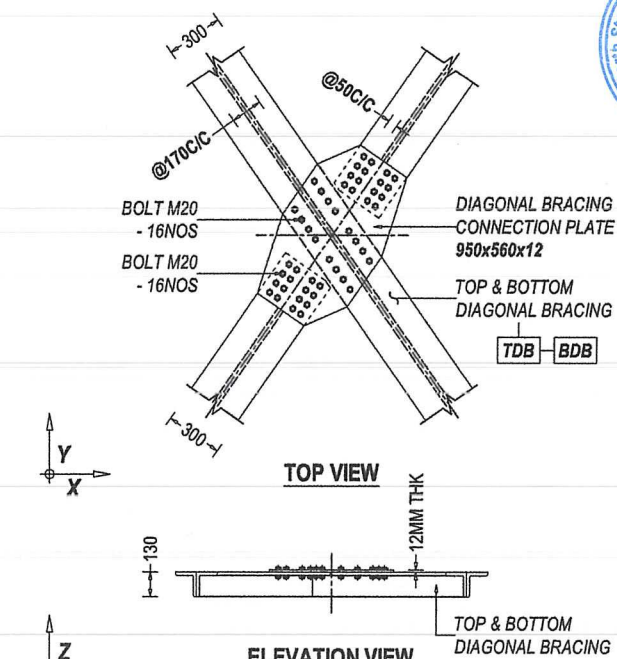
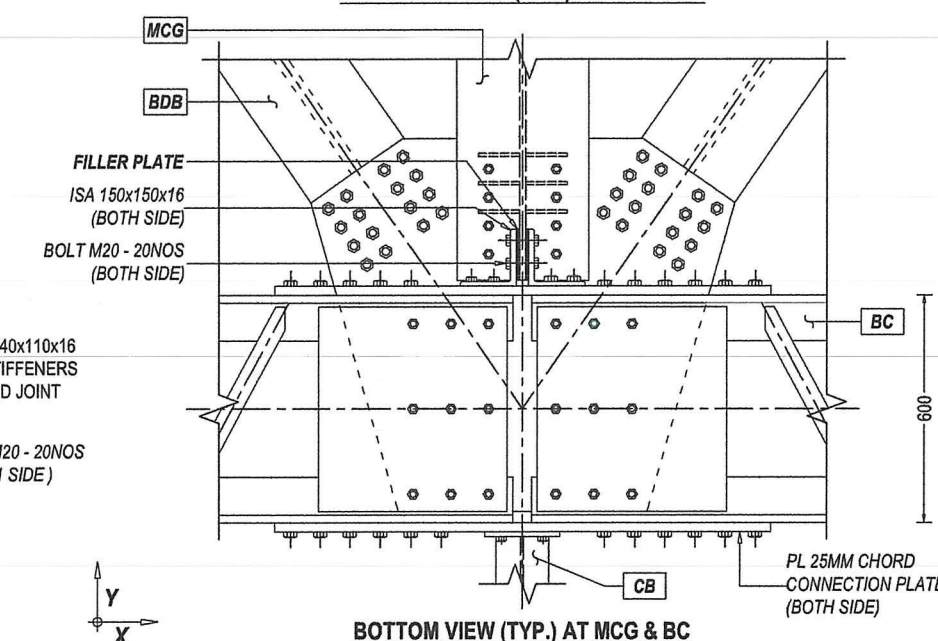
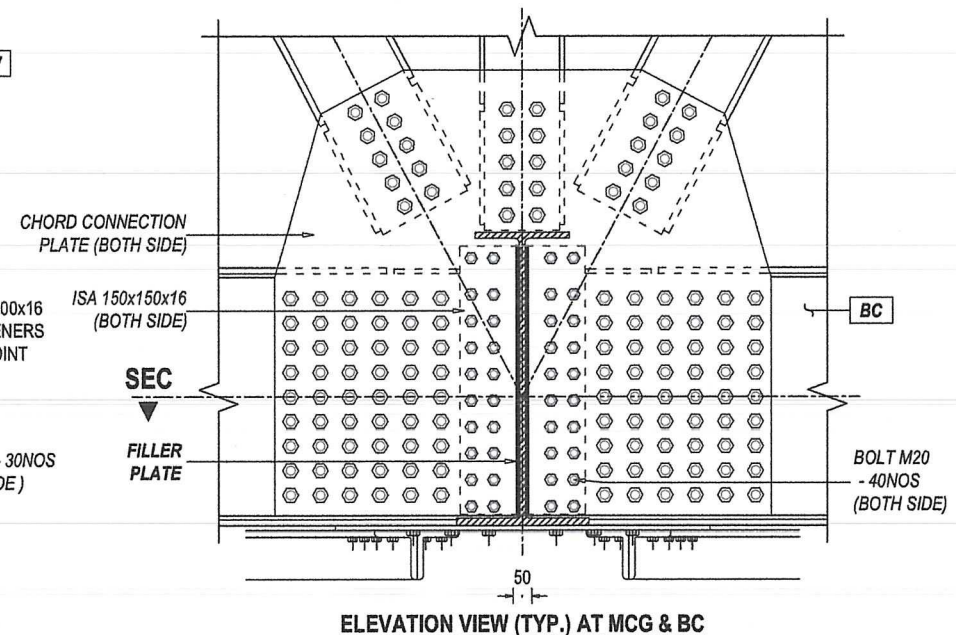
**CONNECTION DETAILS AT
MID CROSS GIRDER & STRINGER**
SCALE - 1 : 40 @ A3 FORMAT



**CONNECTION DETAIL
ONLY AT BOTTOM CHORD & END CROSS GIRDER**
SCALE - 1 : 20 @ A3 FORMAT



**CONNECTION DETAIL
ONLY AT BOTTOM CHORD & MID CROSS GIRDER**
SCALE - 1 : 20 @ A3 FORMAT



**CONNECTION DETAILS AT
DIAGONAL BRACING (TOP & BOTTOM)**
SCALE - 1 : 40 @ A3 FORMAT

GOVERNMENT OF NEPAL
MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT
DEPARTMENT OF ROADS
BRIDGE BRANCH

STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES

Road Carriageway Width: 7.5m
with 2 Footpaths each 1.5m wide

Overall Bridge Width: 10.20 m

LIVE LOAD: IRC 1 Lane of 70R or 1 or
2 Lanes of Class A, whichever governs and Footpath Loading

Drg. No.: 8/12 of Bowstring Steel Truss Bridge - 80.0 m - SS Span

Drg. TITLE : MEMBER JOINT DETAILS (4 Sheets): Sheet 4/4

Designed by :
Biva Shrestha Malla
(Structural Engineer)

Forwarded by :
Pradip Mani Niraula
(Engineer, DoR)

Recommended by :
Jibendra Mishra
(SDE, DoR)

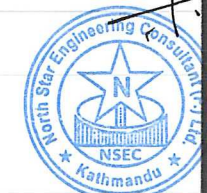
Date :
Jun, 2022.

Accepted by :
Umesh Bindu Shrestha
(DDG, DoR)

Approved by :
Arjun Jung Thapa
(DG, DoR)

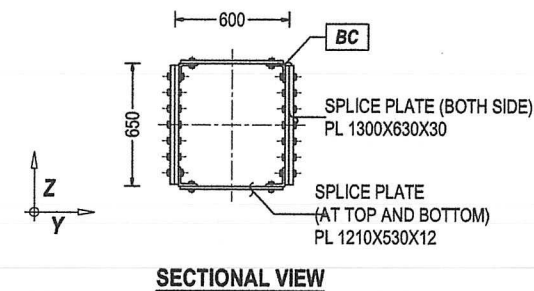
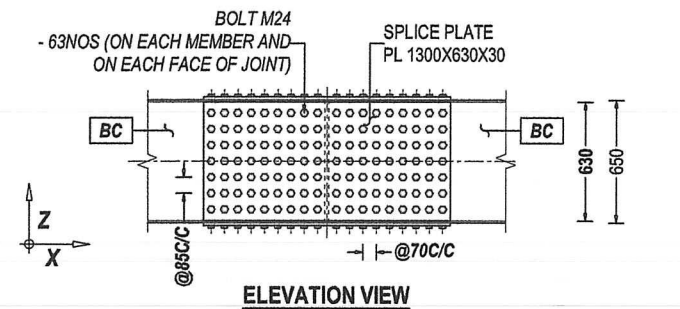
Revisions :

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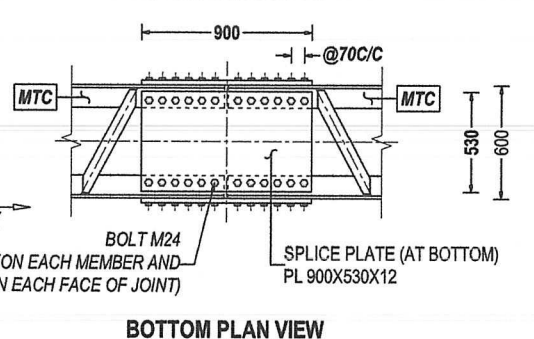
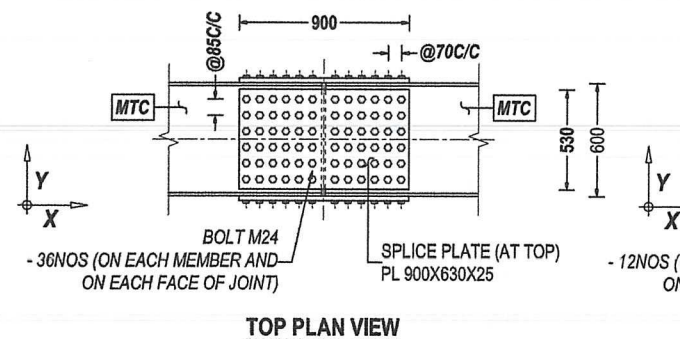
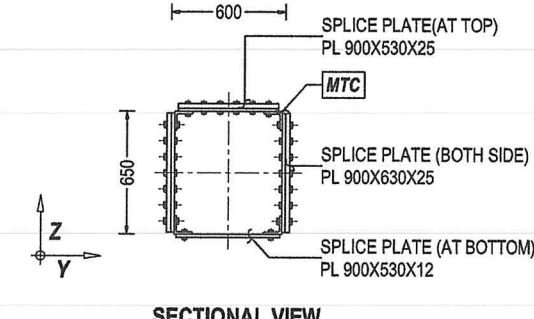
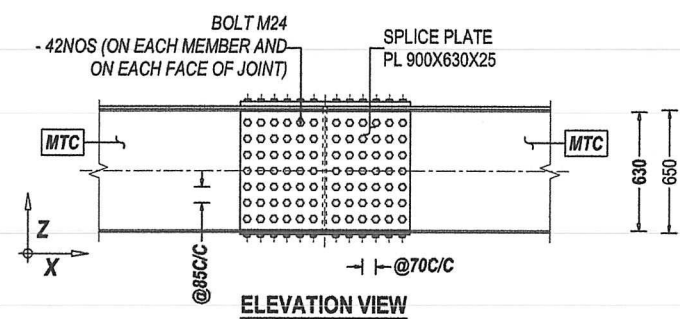
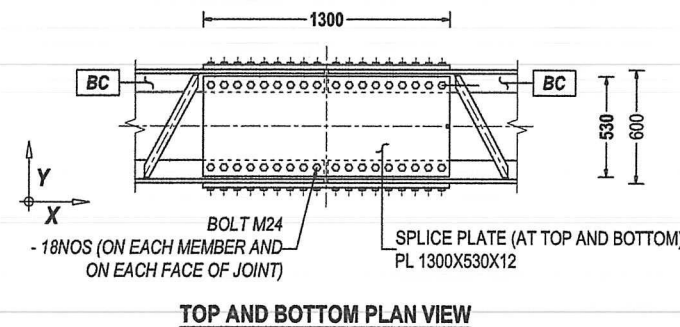


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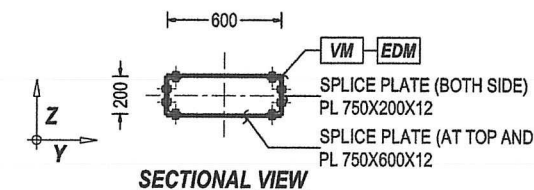
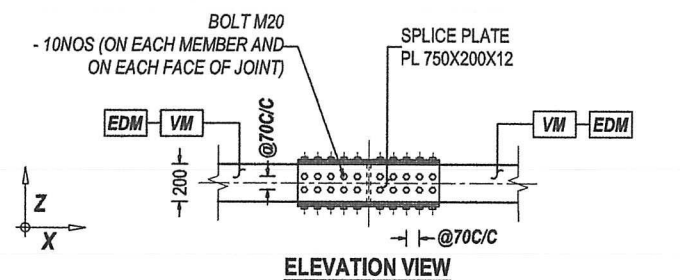
ई. अर्जुन जंग थापा
महानिर्देशक



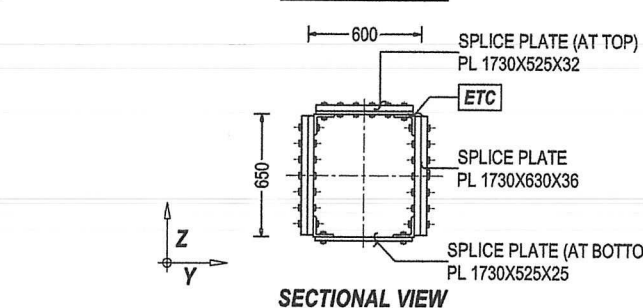
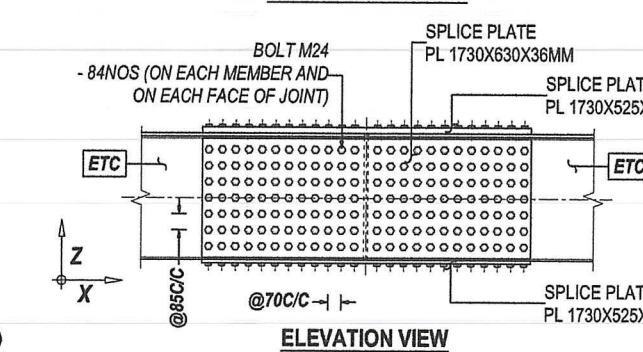
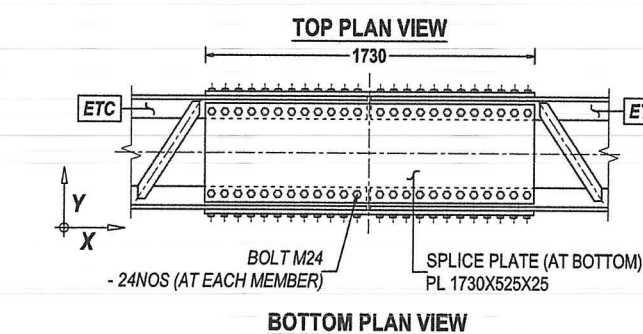
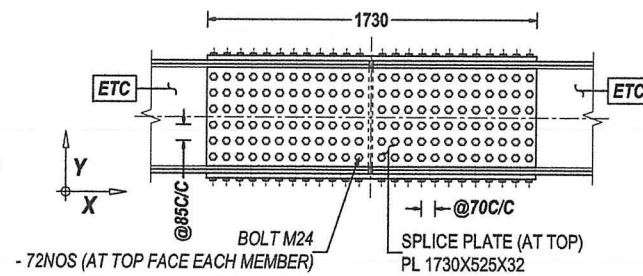
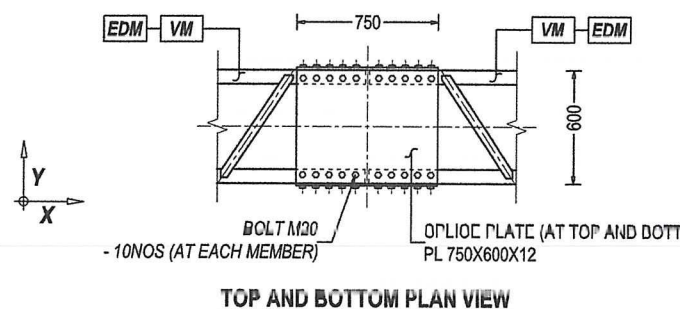
**SPLICE CONNECTION DETAILS FOR
BOTTOM CHORD (BC)**
SCALE - 1 : 40 @ A3 FORMAT



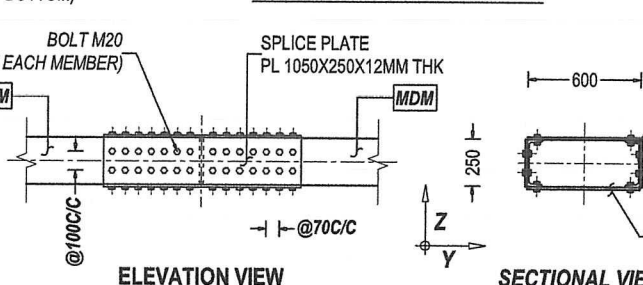
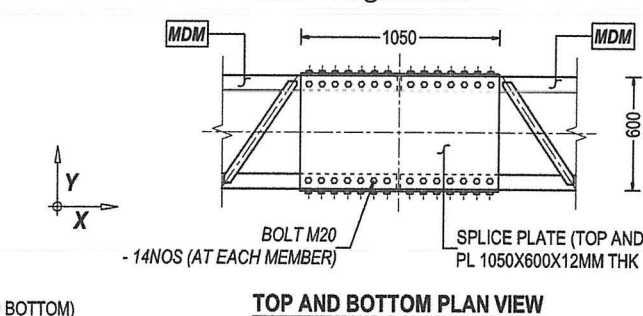
**SPLICE CONNECTION DETAILS FOR
MID TOP CHORD (MTC)**
SCALE - 1 : 40 @ A3 FORMAT



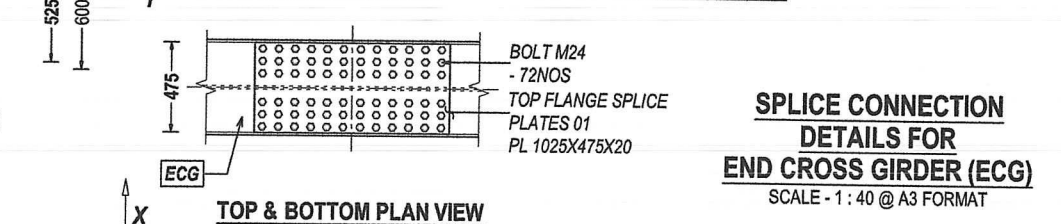
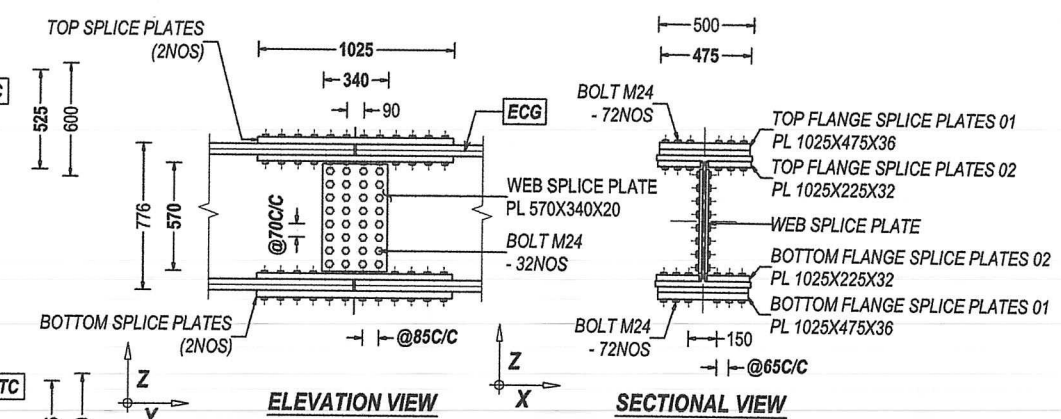
**SPLICE CONNECTION
DETAILS FOR
VERTICAL MEMBER (VM)
AND END DIAGONAL
MEMBER (EDM)**
SCALE - 1 : 40 @ A3 FORMAT



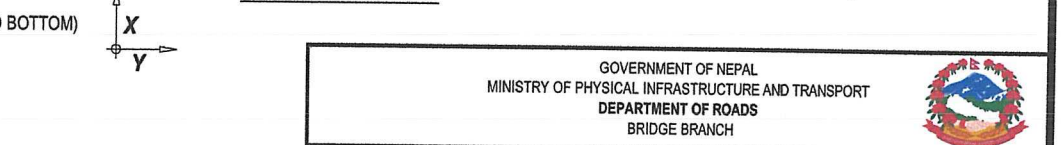
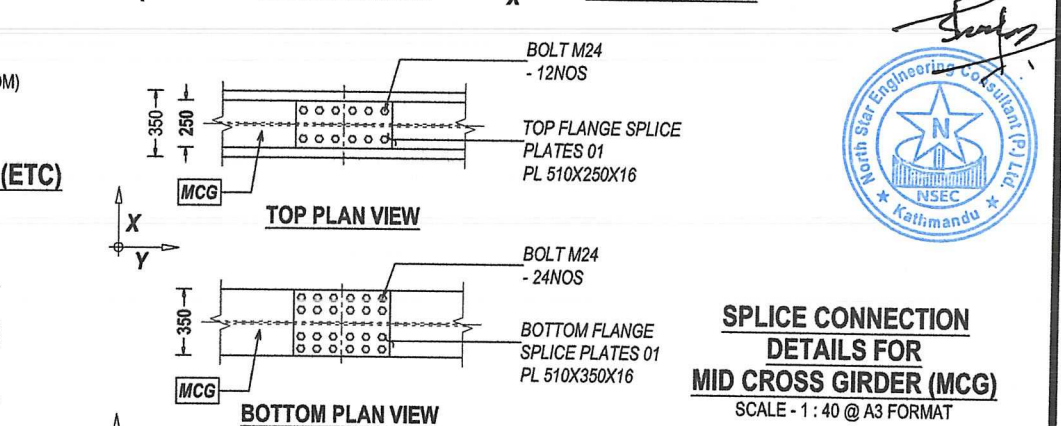
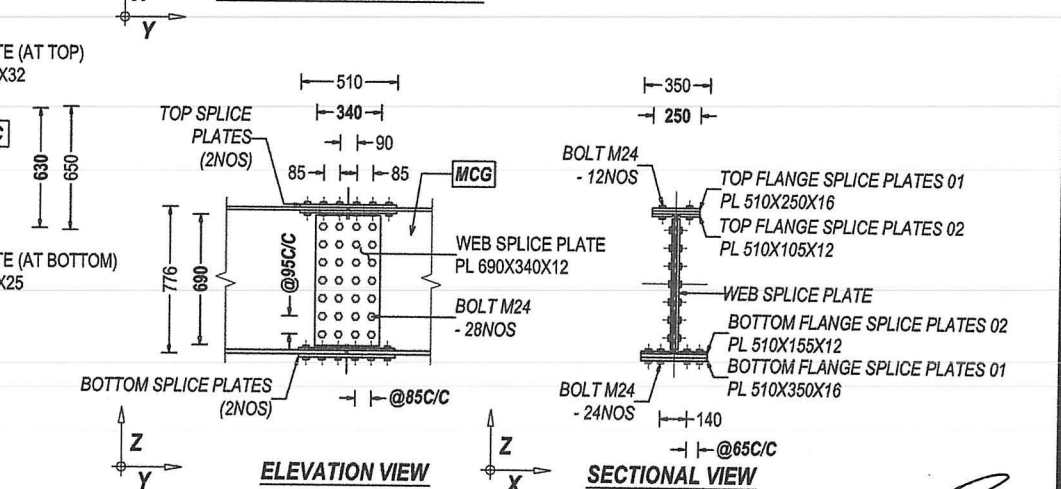
SPLICE CONNECTION DETAILS FOR END TOP CHORD (ETC)
SCALE - 1 : 40 @ A3 FORMAT



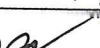
**SPLICE CONNECTION DETAILS FOR
MID DIAGONAL MEMBER (MDM)**
SCALE - 1 : 40 @ A3 FORMAT



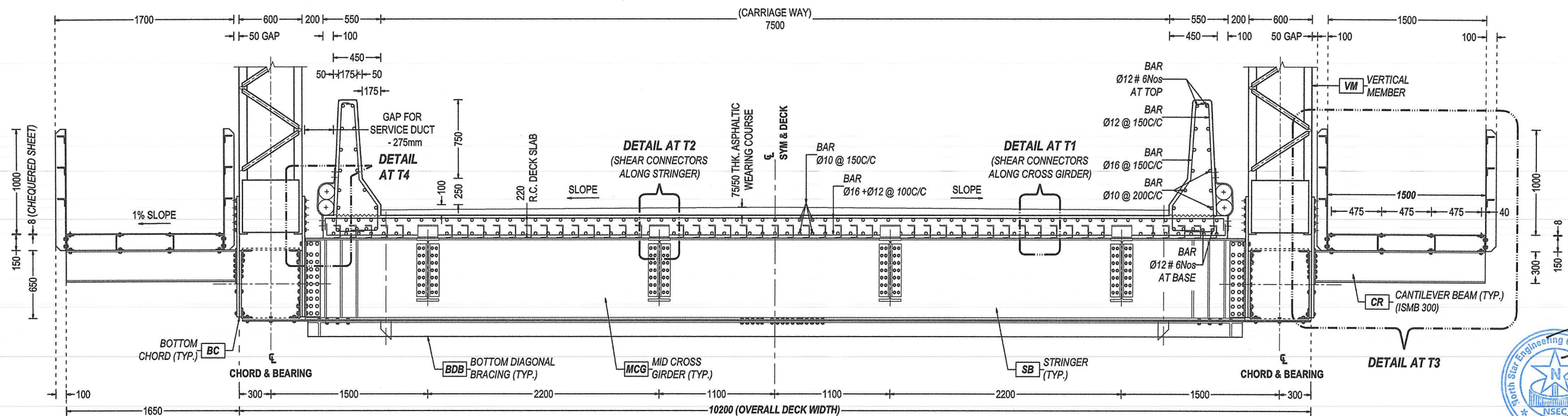
**SPLICE CONNECTION
DETAILS FOR
END CROSS GIRDER (ECG)**
SCALE - 1 : 40 @ A3 FORMAT



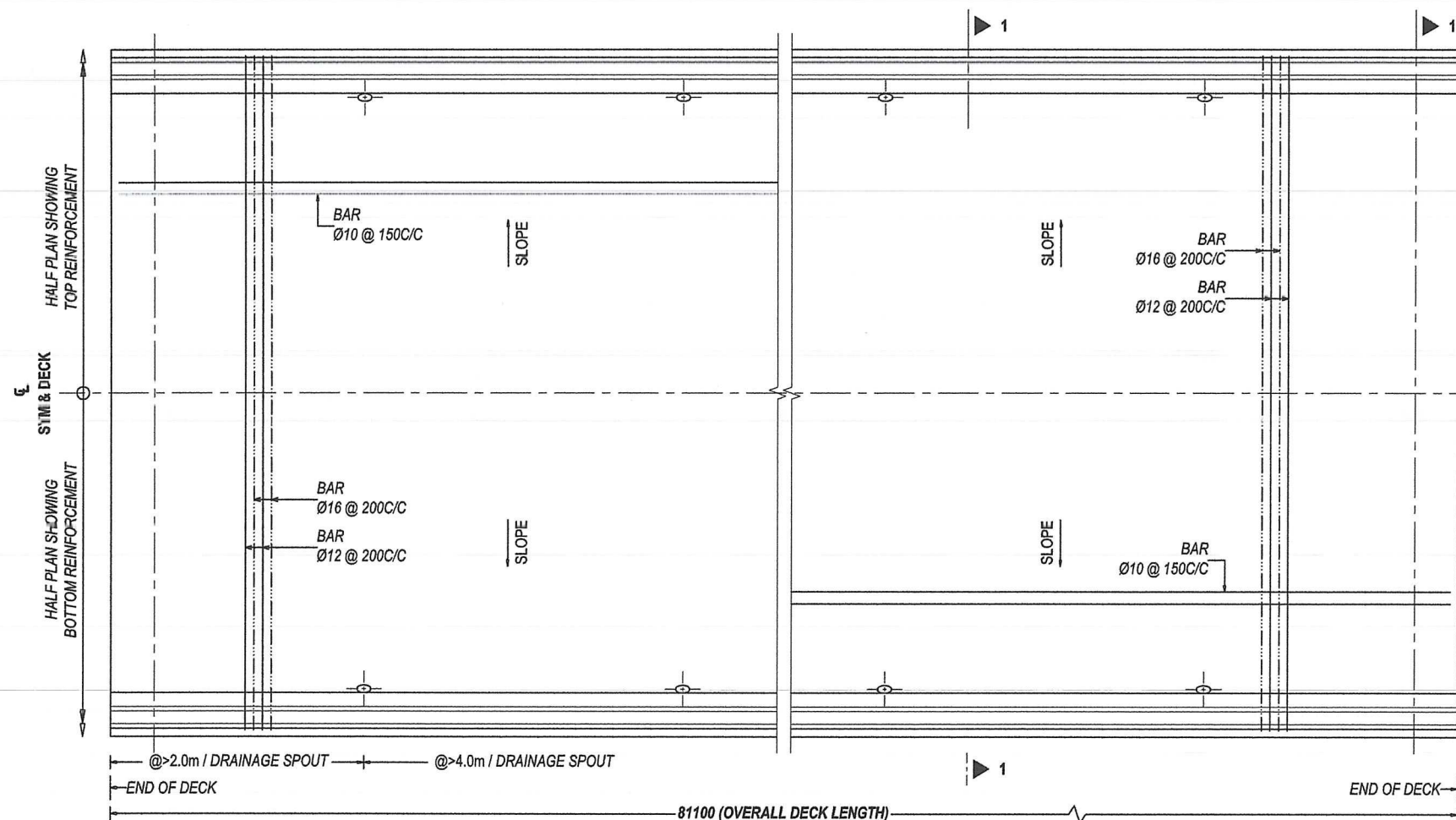
**SPLICE CONNECTION
DETAILS FOR
MID CROSS GIRDER (MCG)**
SCALE - 1 : 40 @ A3 FORMAT

GOVERNMENT OF NEPAL MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF ROADS BRIDGE BRANCH			
STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES			
Road Carriageway Width: 7.5m with 2 Footpaths each 1.5m wide		Overall Bridge Width: 10.20 m	
LIVE LOAD: IRC 1 Lane of 70R or 1 or 2 Lanes of Class A, whichever governs and Footpath Loading			
Drg. No.: 9/12 of Bowstring Steel Truss Bridge - 80.0 m - SS Span			
Drg. TITLE : SPlicing JOint DETAILS			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Pradip Mani Niraula (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jun, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Signature :  00	

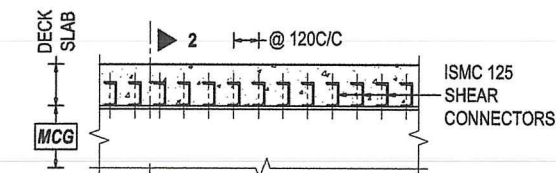




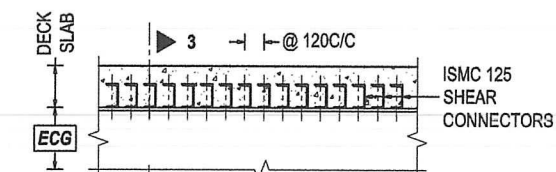
SECTION AT 1-1
SCALE - 1 : 40 @ A3 FORMAT



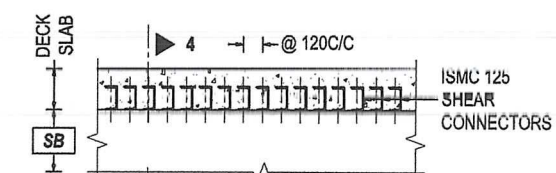
REINFORCEMENT DETAIL OF DECK SLAB
(TRUSSES ARE NOT SHOWN)
SCALE - 1 : 40 @ A3 FORMAT



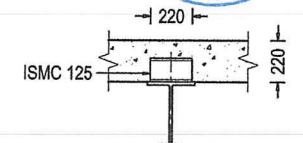
DETAIL AT T1 - SHEAR CONNECTORS ALONG MID CROSS GIRDER
SCALE - 1 : 40 @ A3 FORMAT



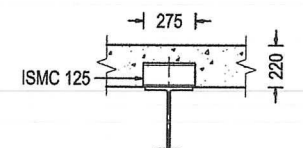
DETAIL AT T1 - SHEAR CONNECTORS ALONG END CROSS GIRDER
SCALE - 1 : 40 @ A3 FORMAT



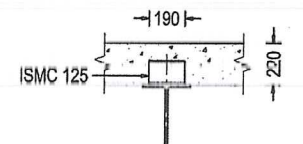
DETAIL AT T2 - SHEAR CONNECTORS ALONG STRINGER
SCALE - 1 : 40 @ A3 FORMAT



SECTION AT 2-2
SCALE - 1 : 40 @ A3 FORMAT



SECTION AT 3-3
SCALE - 1 : 40 @ A3 FORMAT



SECTION AT 4-4
SCALE - 1 : 40 @ A3 FORMAT

NOTES :

- All dimensions are in millimeters, unless stated otherwise.
- Grade of concrete is M35.
- Grade of steel is Fe500.
- Clear cover to outermost reinforcement is 40mm.
- Weld size for shear connector is 8mm fillet weld throughout whole length.

GOVERNMENT OF NEPAL MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF ROADS BRIDGE BRANCH			
STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES			
Road Carriageway Width: 7.5m with 2 Footpaths each 1.5m wide		Overall Bridge Width: 10.20 m	
LIVE LOAD: IRC 1 Lane of 70R or 1 or 2 Lanes of Class A, whichever governs and Footpath Loading			
Drg. No.: 10/12 of Bowstring Steel Truss Bridge - 80.0 m - SS Span			
Drg. TITLE : REINFORCEMENT DETAILS OF DECK SLAB.			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Pradip Mani Niraula (Engineer, DoR)	Recommended by : Jibendra Mishra (SDF, DoR)	Date : Jun, 2022
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revisions : 	



इ. उमेश बिन्दु श्रेष्ठ
नय-महानिर्देशक

अर्जुन जंग थापा
महानिर्देशक

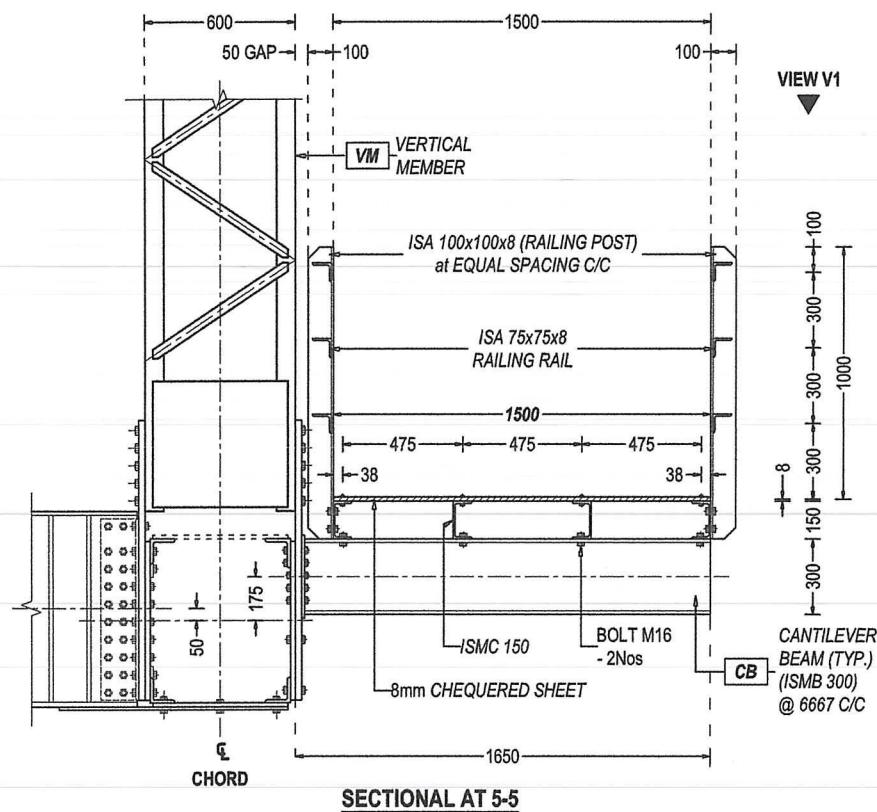
GENERAL NOTES :

1. All dimensions are in millimeters, unless stated otherwise.
2. No dimensions shall be scaled from drawing, only written dimensions shall be followed.
3. All the welded connection are fillet weld with 8mm weld all around.

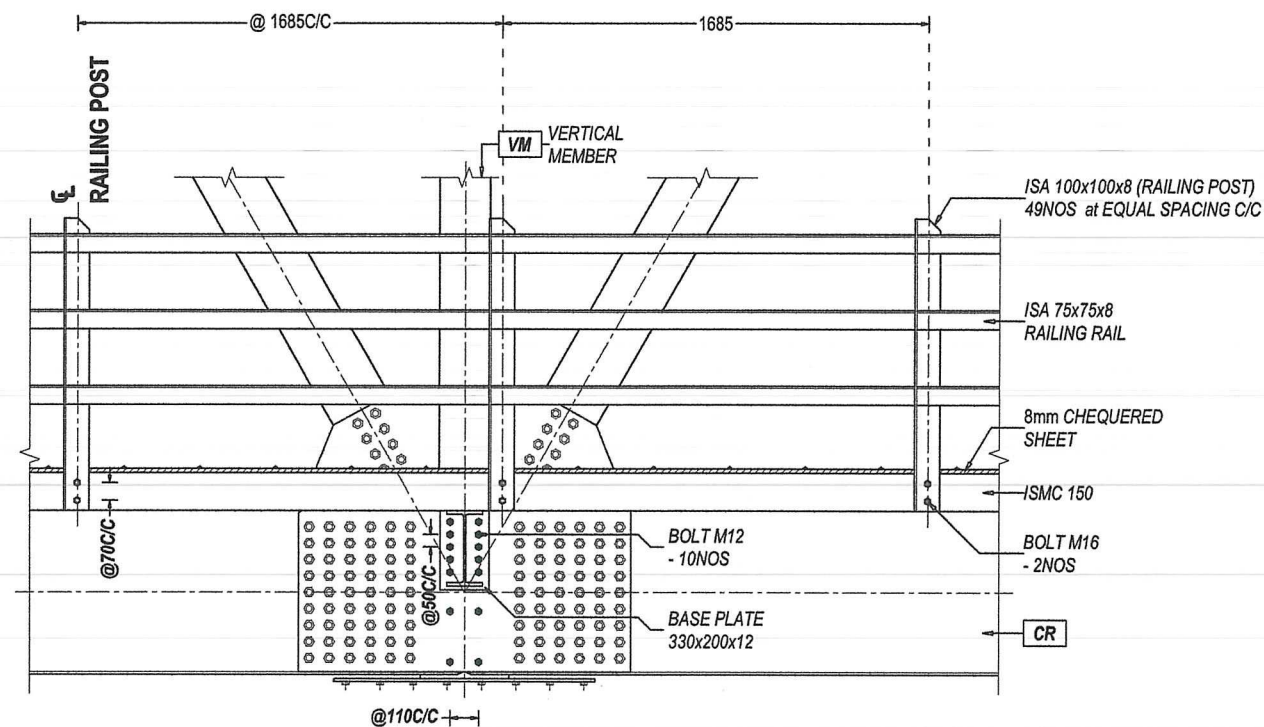
NOTES :

1. At POT-PTFE free bearings assumed value for $\mu = 0.05$ (Ref. IRC-6-2017, Cl 211.5.1.1)

"V" = Vertical Load
"H" = Longitudinal Horizontal Force
"H_L" = Transverse Horizontal Force
"θ_T" = Rotation About Bridge Transverse Axis
"EQ" = Earthquake



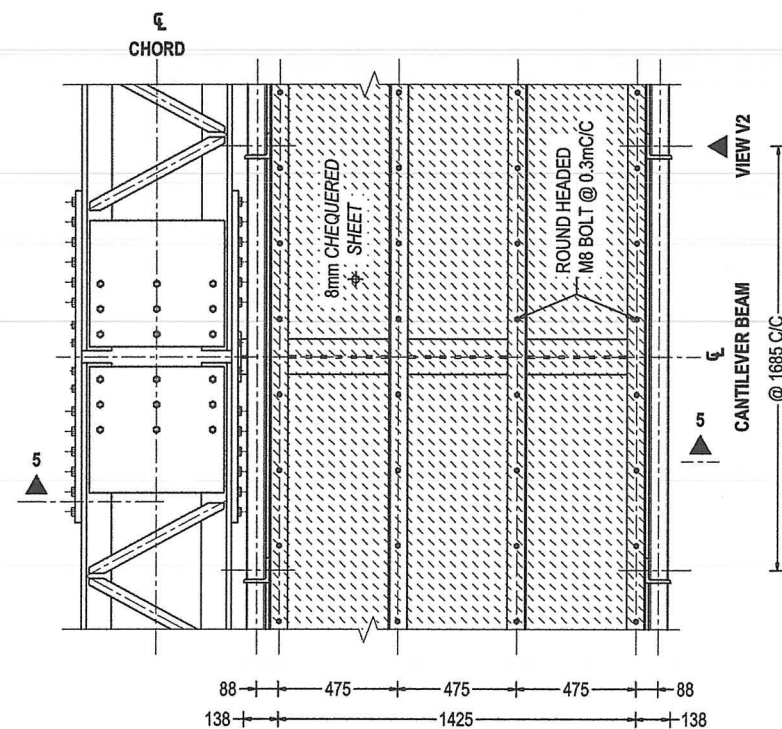
SECTIONAL AT 5-5



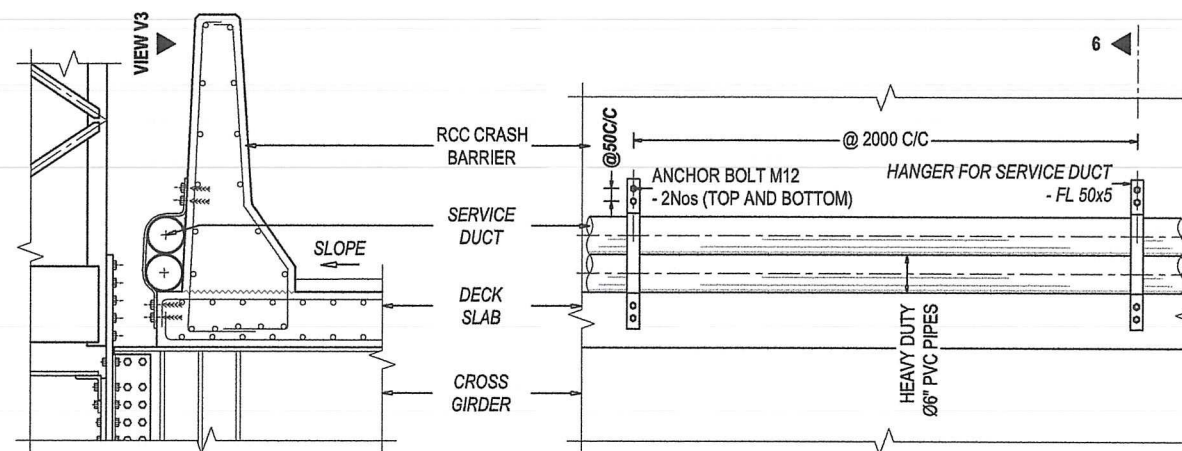
ELEVATION VIEW / VIEW AT V2

CANTILEVER RAILING DETAIL / DETAIL AT "T3"

SCALE - 1 : 30 @ A3 FORMAT



PLAN VIEW / VIEW AT V1



SECTIONAL AT 6-6

ELEVATION VIEW / VIEW V3

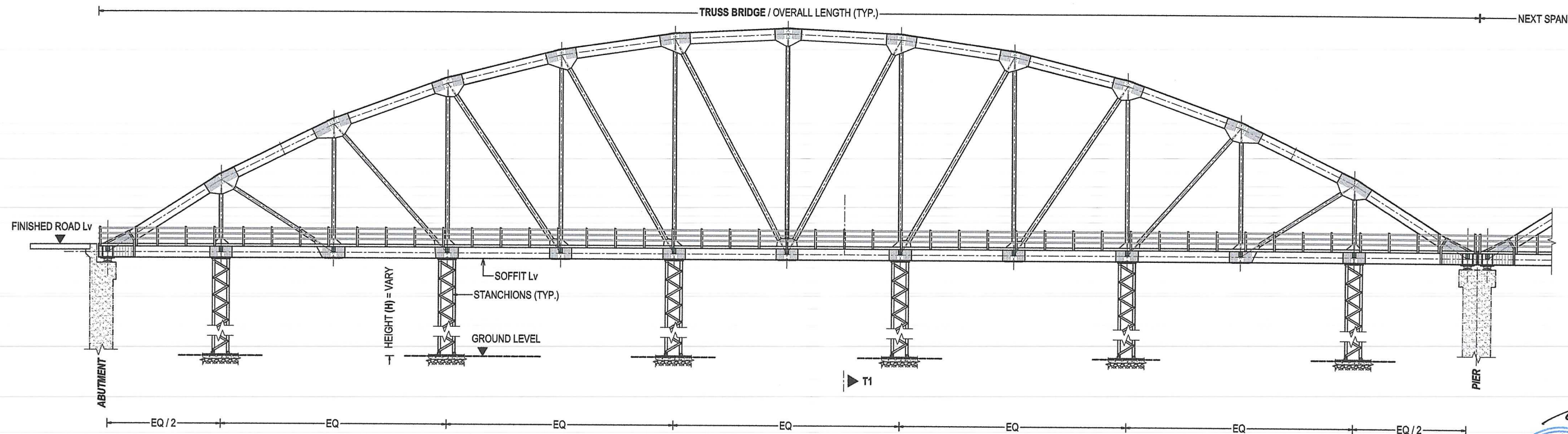
SERVICE DUCT HANGER DETAIL / DETAIL AT "T4"

SCALE - 1 : 30 @ A3 FORMAT

DATA FOR BEARING				
LOAD CONDITION	ITEMS	POT FIXED BEARING	POT-PTFE free Bearings	
NO LL Condition	V	No EQ and WIND	2535 kN	2535 kN
		With EQ.	3450 kN	3450 kN
		WIND	2635 kN	2635 kN
	HL	No EQ and WIND	0	0
		With EQ.	2565 kN	175 kN
		WIND	195 kN	135 kN
	HT	No EQ and WIND	0	0
		With EQ.	1370 kN	1370 kN
		WIND	480 kN	480 kN
	θ	No EQ and WIND	0.00494 rad.	0
		With EQ.	0.00619 rad.	0.00619 rad.
		WIND	0.00566 rad.	0.00566 rad.
WITH LL Condition	V	No EQ and WIND	3675 kN	3675 kN
		With EQ.	3760 kN	3760 kN
		WIND	3775 kN	3775 kN
	HL	No EQ and WIND	260 kN	185 kN
		With EQ.	2700 kN	190 kN
		WIND	385 kN	190 kN
	HT	No EQ and WIND	0	0
		With EQ.	1720 kN	1720 kN
		WIND	480 kN	480 kN
	θ	No EQ and WIND	0.00843 rad.	0.00843 rad.
		With EQ.	0.00978 rad.	0.00978 rad.
		WIND	0.00915 rad.	0.00915 rad.

GOVERNMENT OF NEPAL MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF ROADS BRIDGE BRANCH			
STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES			
Road Carriageway Width: 7.5m with 2 Footpaths each 1.5m wide		Overall Bridge Width: 10.20 m	
LIVE LOAD: IRC 1 Lane of 70R or 1 or 2 Lanes of Class A, whichever governs and Footpath Loading			
Dr. No.: 11/12 of Bowstring Steel Truss Bridge - 80.0 m - SS Span			
Dr. TITLE : CANTILEVER FOOTPATH & SERVICE DUCT DETAILS.			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Pradip Mani Niraula (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jun, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revision : अर्जुन जंग थापा महानिदेशक	

ई. उमेश बिन्दु श्रेष्ठ
उप-महानिदेशक



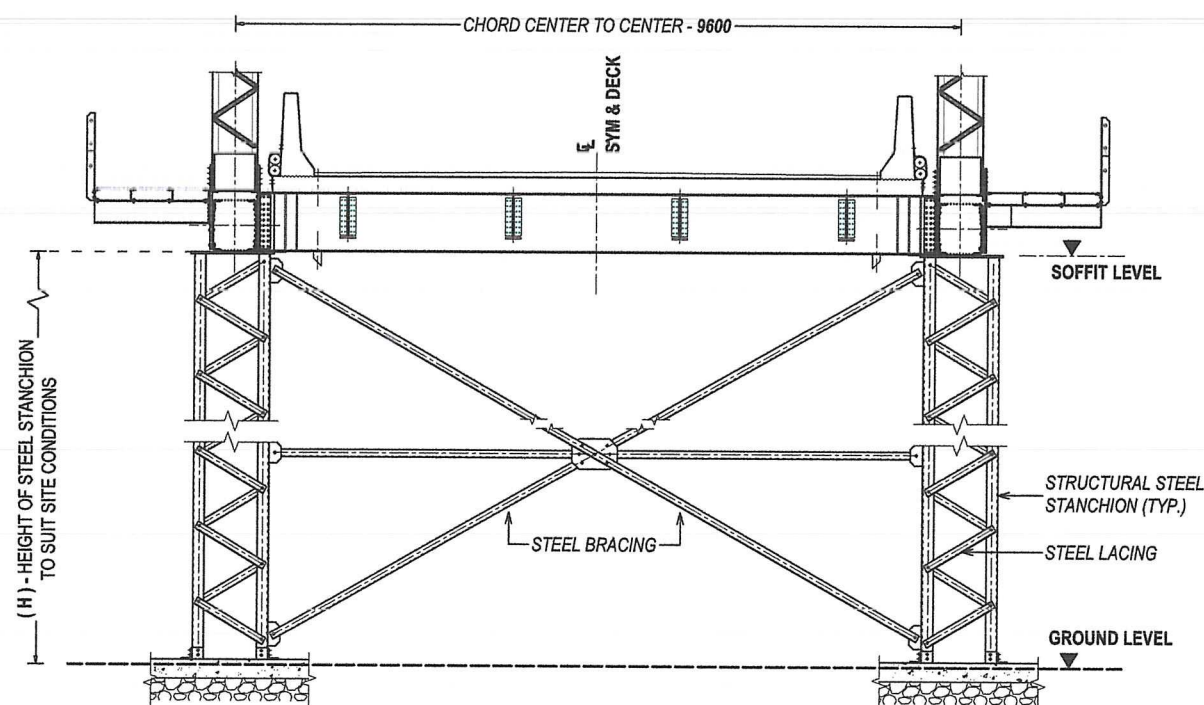
LOCATIONS OF TEMPORARY STEEL STANCHIONS FOR CONSTRUCTION (STAGING IN SITE METHOD)

SCALE - 1 : 250 @ A3 FORMAT



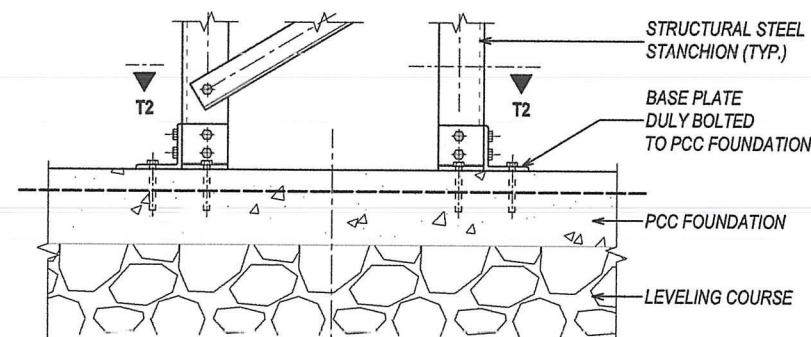
NOTE :

1. All Steel Stanchion Supports (typ.) for construction and erection process shall be given under each Truss under nodes, As generally indicated in drawing with span at most 2 BAYS. Each Stanchion shall be capable of taking equivalent static vertical load of at least 90 Tonnes. However position shown here are symbolic only which suits for most cases, and this position can be modified as per site condition. All such temporary supports shall be thoroughly cross braced in transverse direction, for overall stability, as indicated and requirement of longitudinal cross bracing shall be identified by Structural Engineer while Designing Temporary Staging works.
2. Contractor to suitable design these supporting Stanchions, their bases, foundations and bracings for possible dead loads, construction loads as well as anticipated Wind and Earthquake Loads, Which shall be approve by Project Manager.



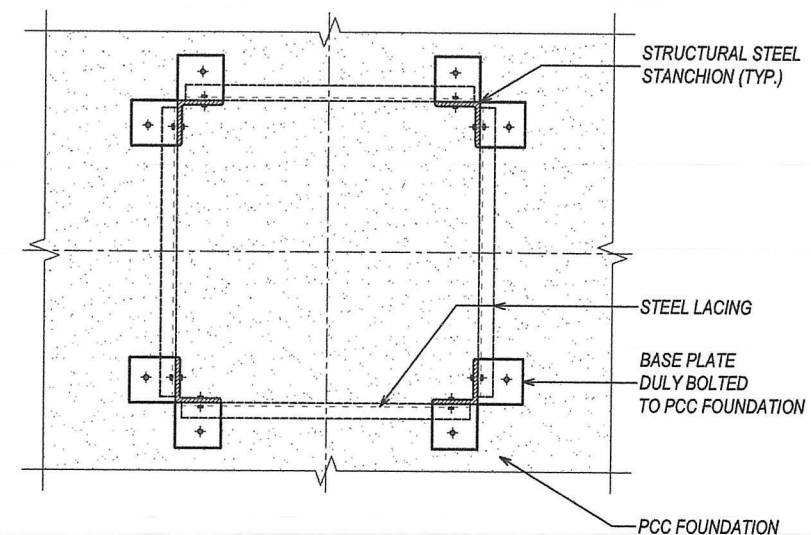
SECTIONAL VIEW OF STEEL STANCHIONS AT T1 - T1

SCALE - 1 : 40 @ A3 FORMAT



DETAIL AT "F"

SCALE - 1 : 10 @ A3 FORMAT



SECTIONAL VIEW AT T2 - T2

SCALE - 1 : 10 @ A3 FORMAT

GOVERNMENT OF NEPAL MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF ROADS BRIDGE BRANCH			
STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES			
Road Carriageway Width: 7.5m with 2 Footpaths each 1.5m wide		Overall Bridge Width: 10.20 m	
LIVE LOAD: IRC 1 Lane of 70R or 1 or 2 Lanes of Class A, whichever governs and Footpath Loading			
Drg. No.: 12/12 of Bowstring Steel Truss Bridge - 80.0 m - SS Span			
Drg. TITLE : ERECTION METHOD BY STAGING IN SITE DETAILS			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Pradip Mani Niraula (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jun, 2022.
Accepted by : Umesh Bindu Shrestha (DDC, DoR)	Approved by : Arjun Jung Thapa (DDC, DoR)	Revisions	

इ. उमेश बिन्दु श्रेष्ठ
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इ. अर्जुन जंग थापा
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