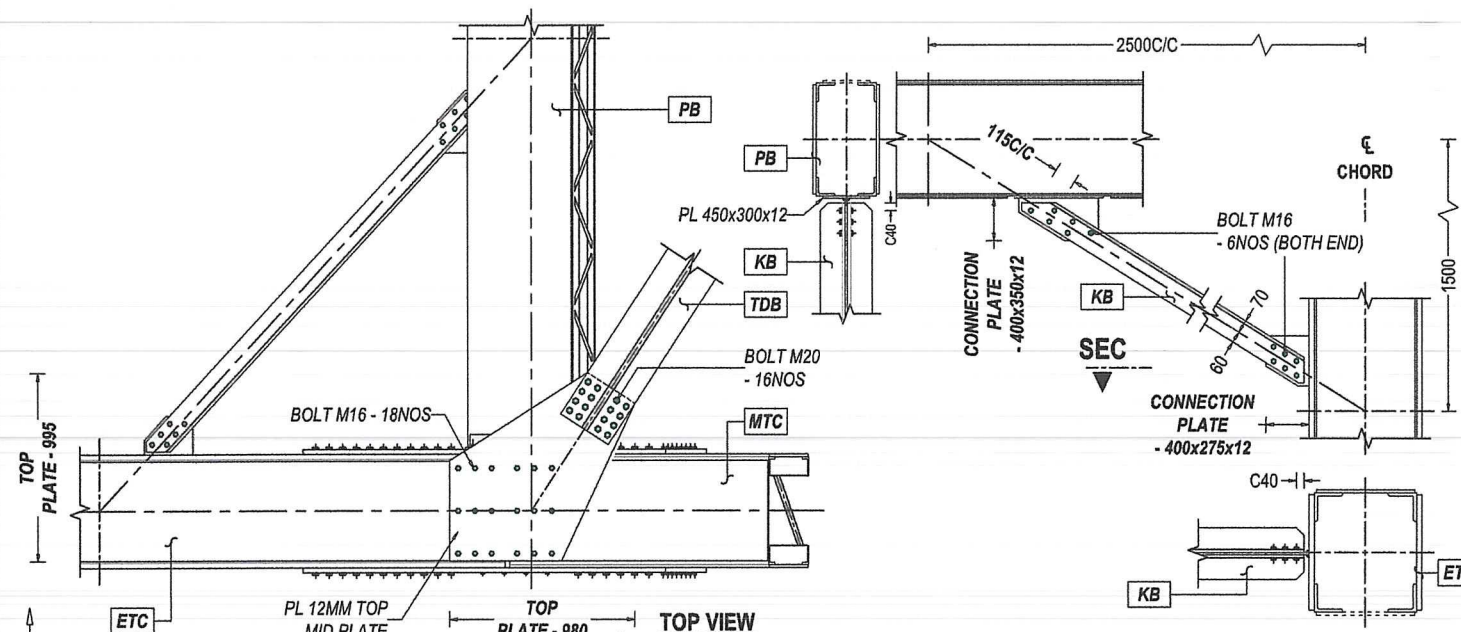
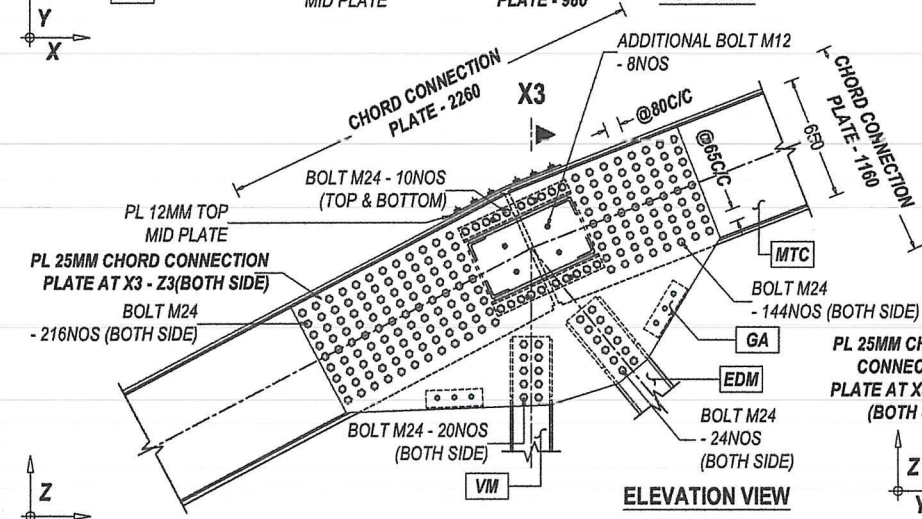
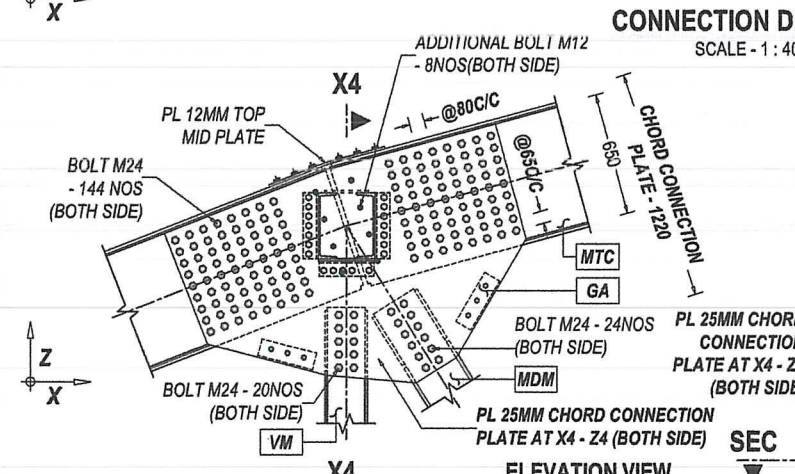




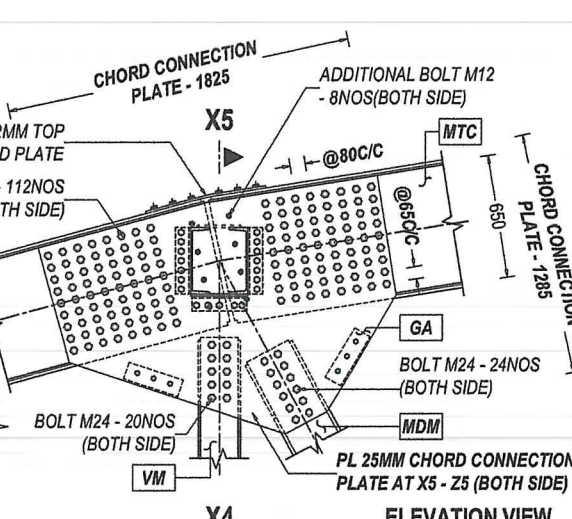
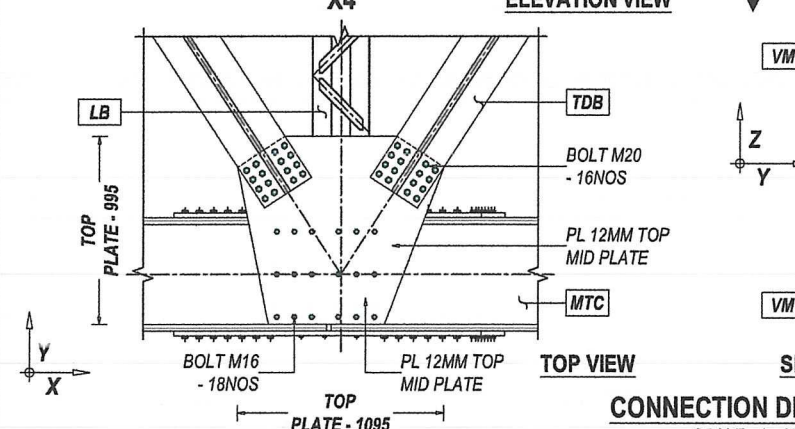
CONNECTION DETAILS AT KNEE BRACING
SCALE - 1 : 40 @ A3 FORMAT



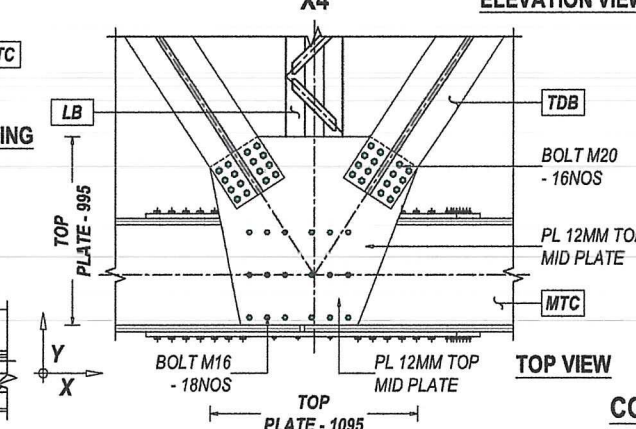
CONNECTION DETAILS AT X3 - Z3
SCALE - 1 : 40 @ A3 FORMAT



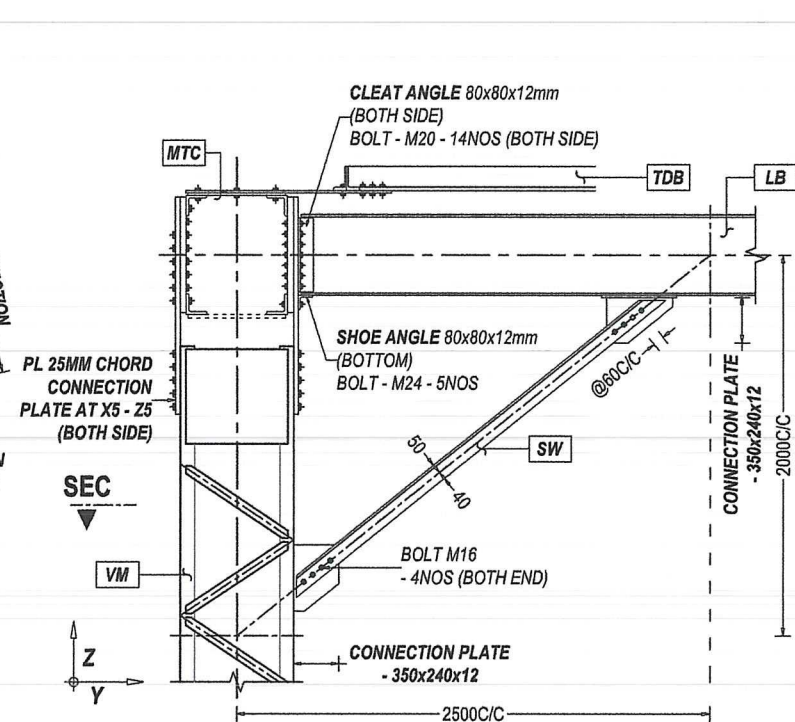
CONNECTION DETAILS AT X4 - Z4
SCALE - 1 : 40 @ A3 FORMAT



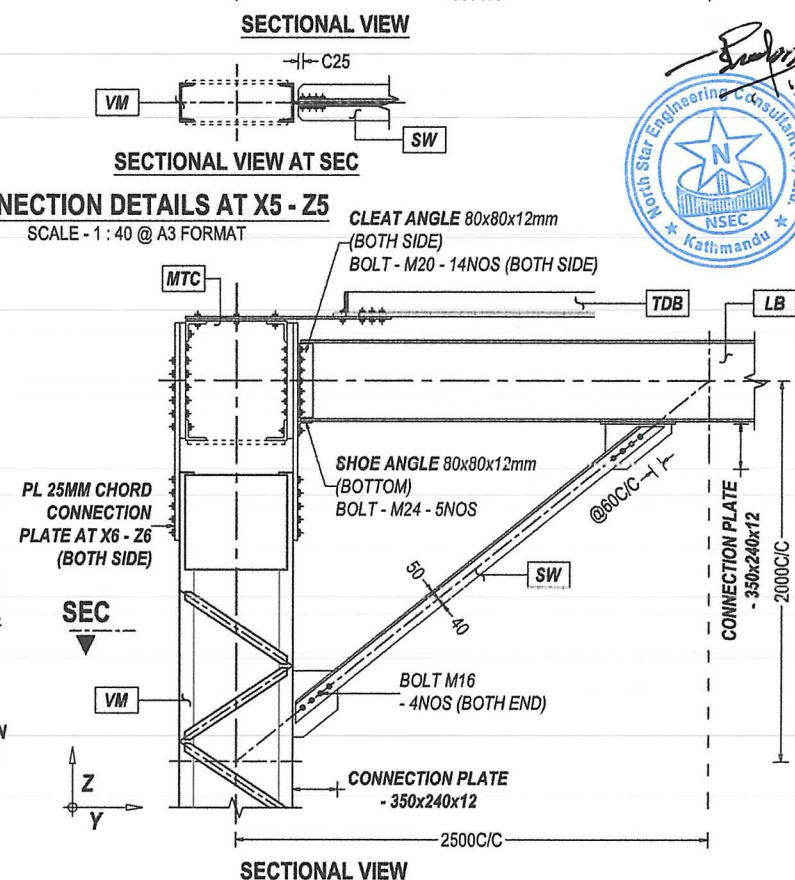
CONNECTION DETAILS AT X5 - Z5
SCALE - 1 : 40 @ A3 FORMAT



CONNECTION DETAILS AT X6 - Z6
SCALE - 1 : 40 @ A3 FORMAT



SECTIONAL VIEW AT SEC



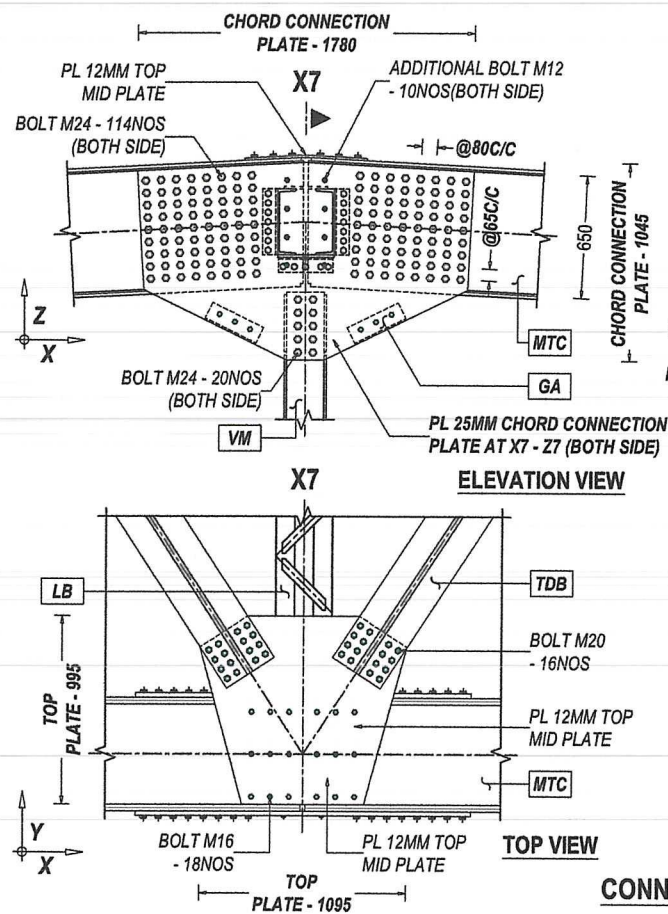
SECTIONAL VIEW

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.: 7/12 of Bowstring Steel Truss Bridge - 75.0 m - SS Span	
Drg. TITLE : MEMBER JOINT DETAILS (4 Sheets): Sheet 3/4	
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varma (Engineer, DoR)
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)
Date : Jul, 2022.	
Revisions :	

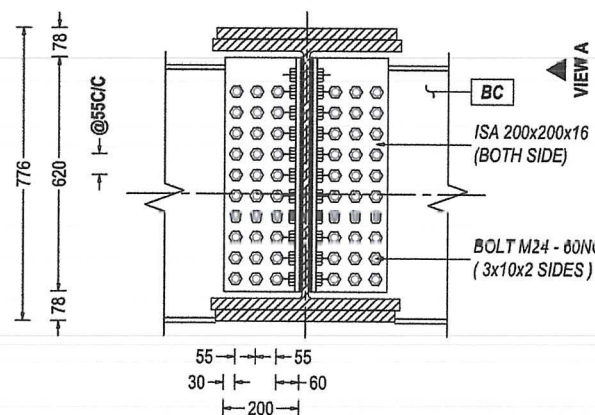


ई. उमेश बिन्दु श्रेष्ठ
सहायक अभियन्ता

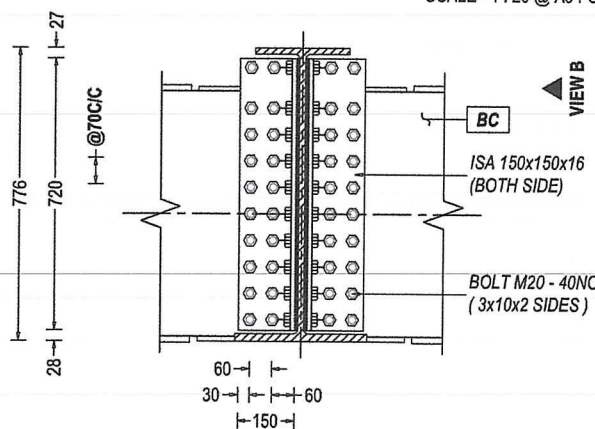
अर्जुन ज्ञा
महानिर्देशक



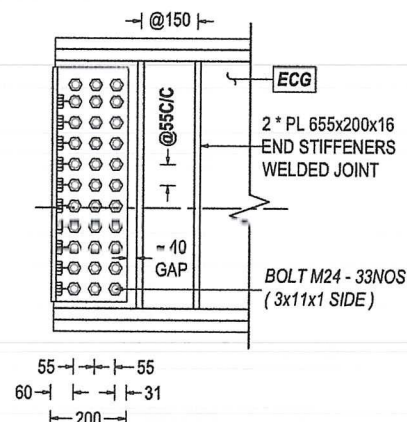
CONNECTION DETAILS AT X7 - Z7
SCALE: 1:40 @ A3 FORMAT



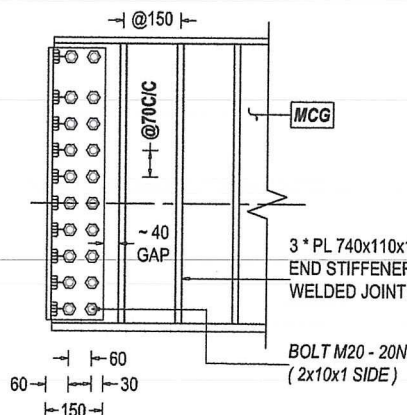
CONNECTION DETAIL
ONLY AT BOTTOM CHORD & END CROSS GIRDER
SCALE: 1:20 @ A3 FORMAT



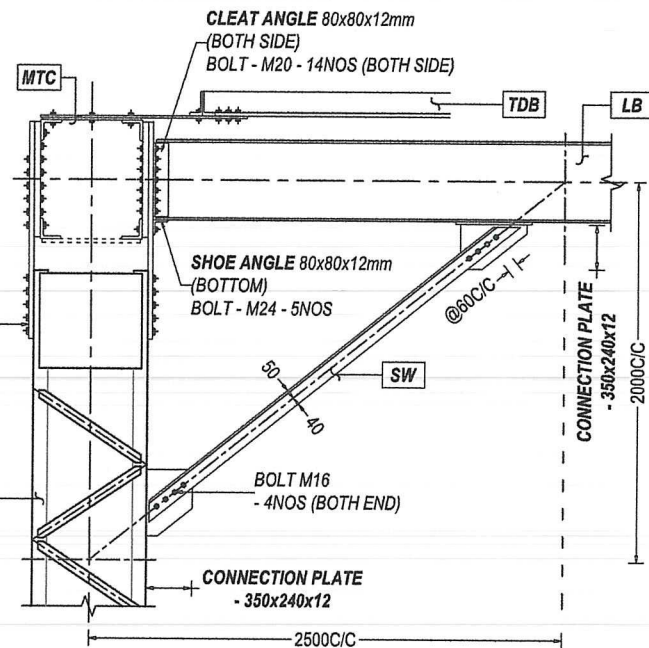
CONNECTION DETAIL
ONLY AT BOTTOM CHORD & MID CROSS GIRDER
SCALE: 1:20 @ A3 FORMAT



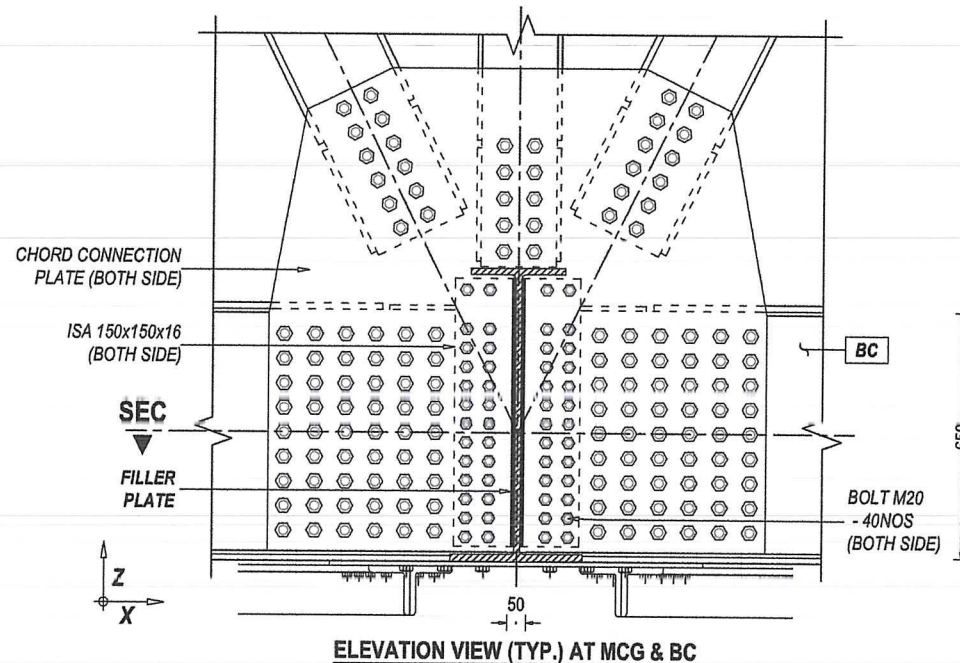
ELEVATION VIEW "A"



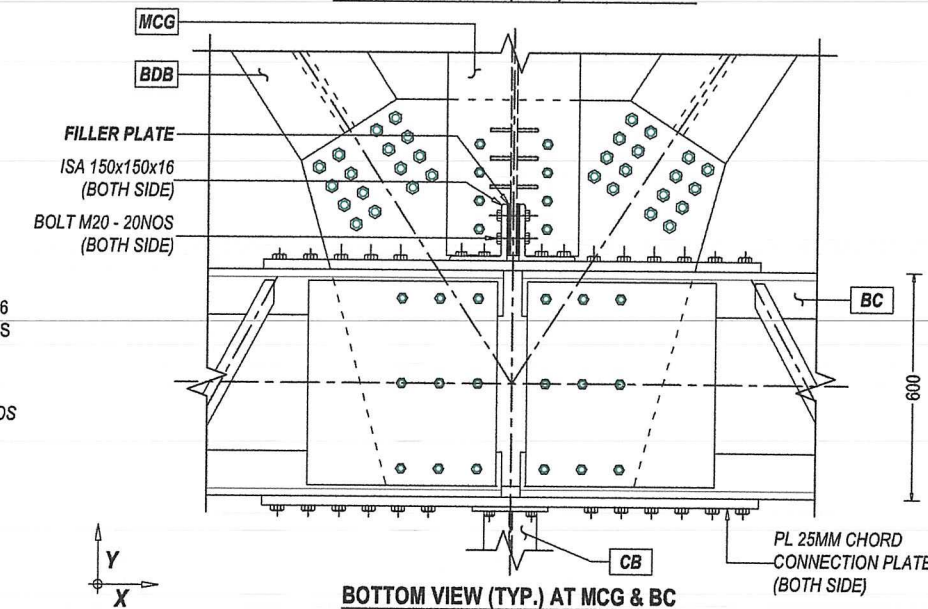
ELEVATION VIEW "B"



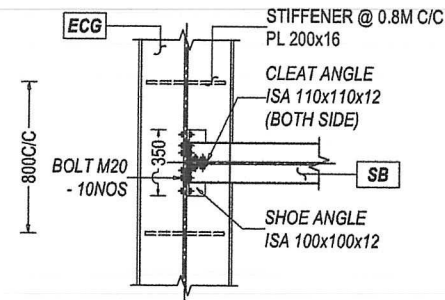
CONNECTION DETAILS AT END CROSS GIRDER & STRINGER
SCALE: 1:40 @ A3 FORMAT



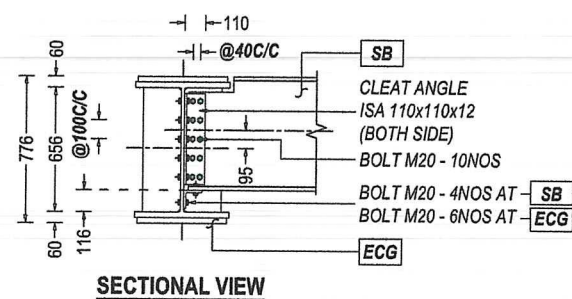
ELEVATION VIEW (TYP.) AT MCG & BC



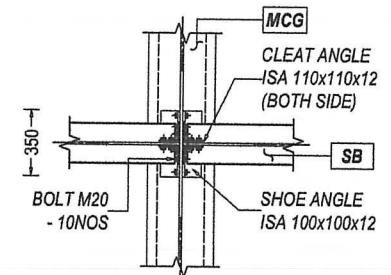
BOTTOM VIEW (TYP.) AT MCG & BC



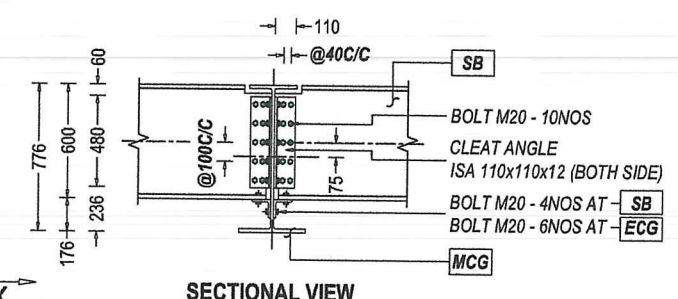
SECTIONAL PLAN VIEW



SECTIONAL VIEW

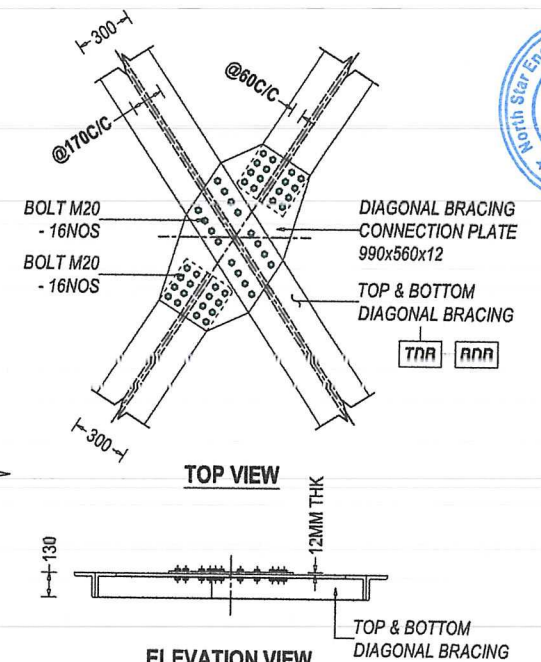


SECTIONAL PLAN VIEW



SECTIONAL VIEW

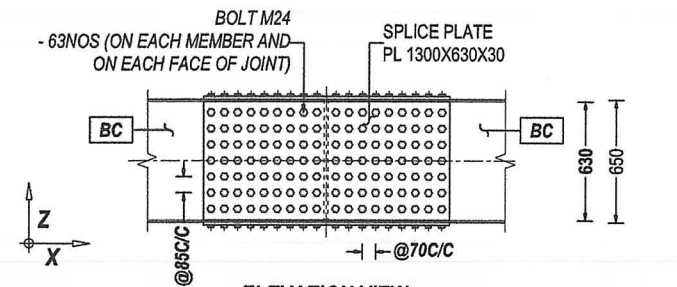
CONNECTION DETAILS AT MID CROSS GIRDER & STRINGER
SCALE: 1:40 @ A3 FORMAT



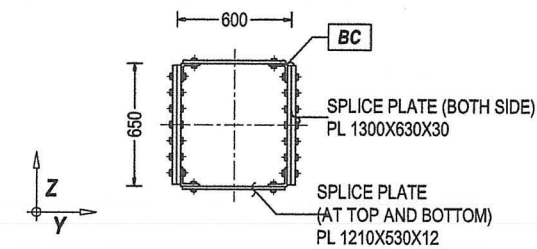
CONNECTION DETAILS AT DIAGONAL BRACING (TOP & BOTTOM)
SCALE: 1:40 @ A3 FORMAT

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 - 75.0 m - SS Span		
Drg. TITLE : MEMBER JOINT DETAILS (4 Sheets): Sheet 4/4		
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varna (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Date : Jul, 2022.
		Revisions :

ई. उमेश बिन्दु श्रेष्ठ
महानिर्देशक



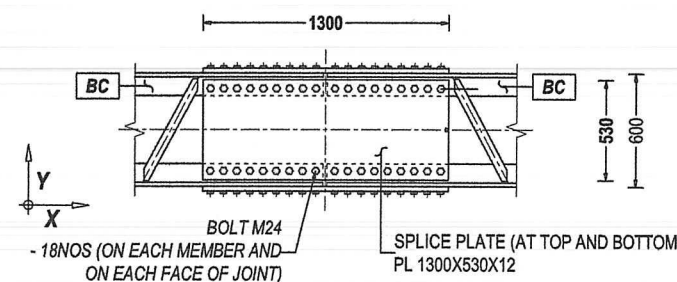
ELEVATION VIEW



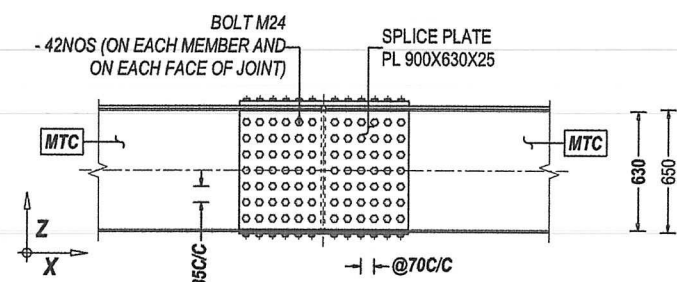
SECTIONAL VIEW

SPLICE CONNECTION DETAILS FOR BOTTOM CHORD (BC)

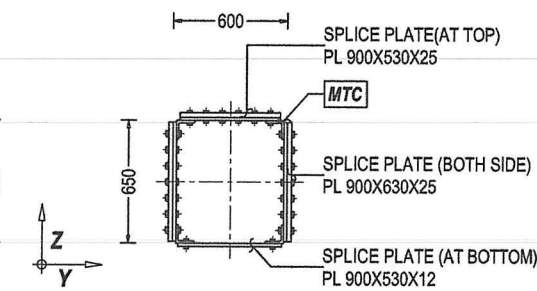
SCALE - 1 : 40 @ A3 FORMAT



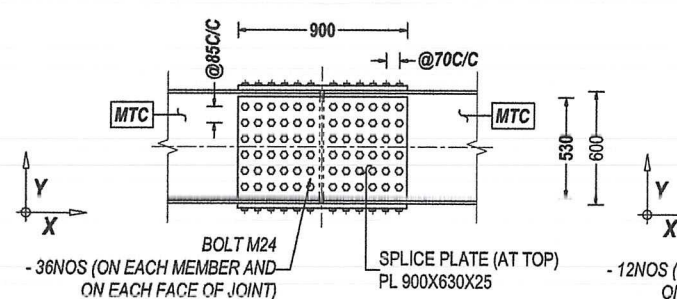
TOP AND BOTTOM PLAN VIEW



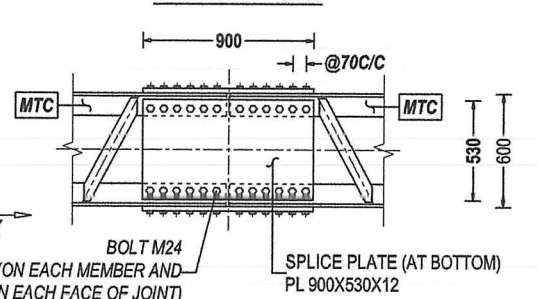
ELEVATION VIEW



SECTIONAL VIEW



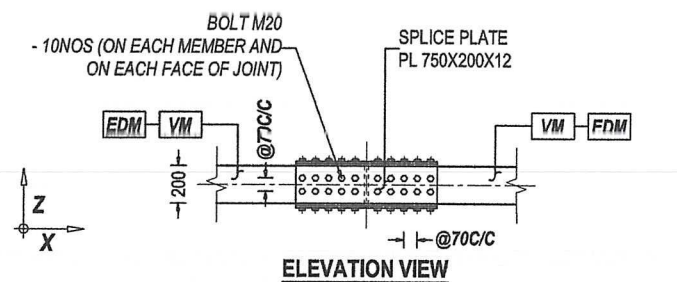
TOP PLAN VIEW



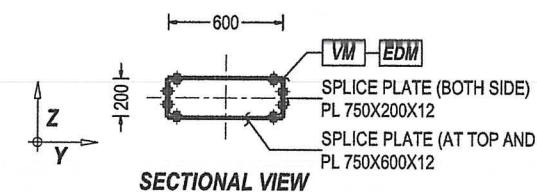
BOTTOM PLAN VIEW

SPLICE CONNECTION DETAILS FOR MID TOP CHORD (MTC)

SCALE - 1 : 40 @ A3 FORMAT



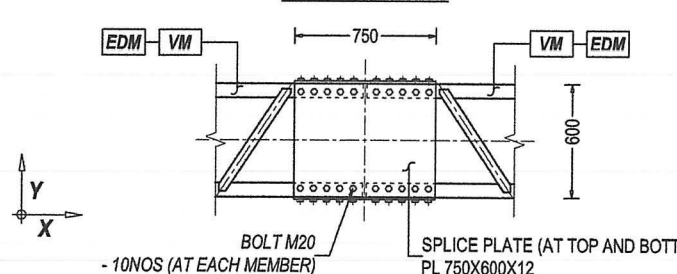
ELEVATION VIEW



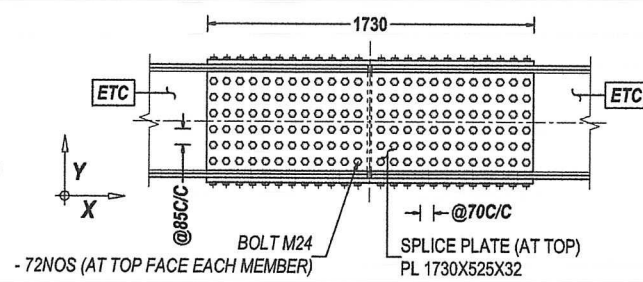
SECTIONAL VIEW

SPLICE CONNECTION DETAILS FOR VERTICAL MEMBER (VM) AND END DIAGONAL MEMBER (EDM)

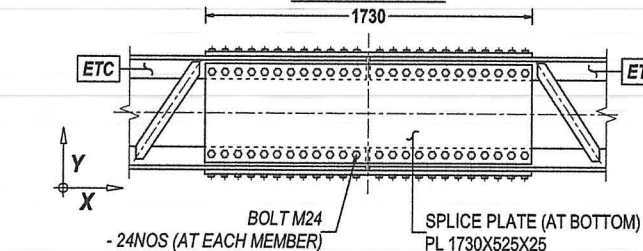
SCALE - 1 : 40 @ A3 FORMAT



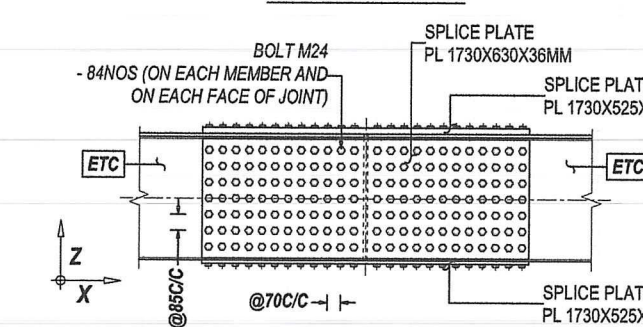
TOP AND BOTTOM PLAN VIEW



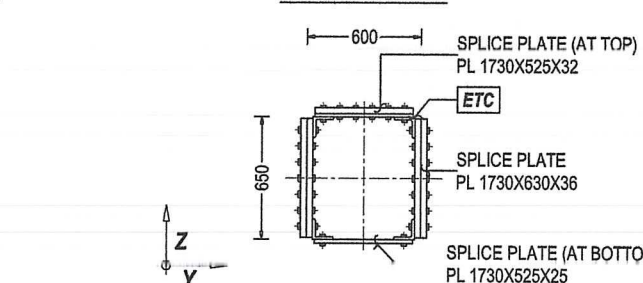
TOP PLAN VIEW



BOTTOM PLAN VIEW



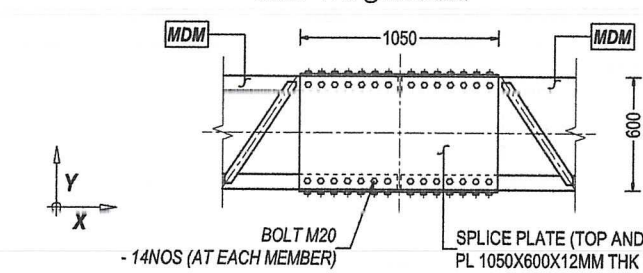
ELEVATION VIEW



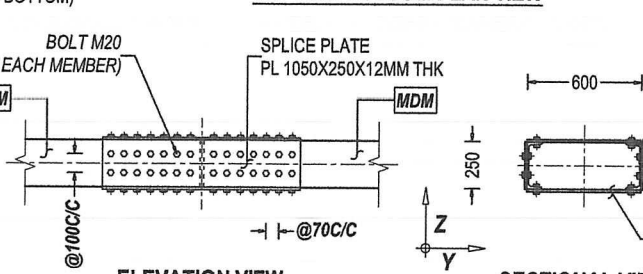
SECTIONAL VIEW

SPLICE CONNECTION DETAILS FOR END TOP CHORD (ETC)

SCALE - 1 : 40 @ A3 FORMAT



TOP AND BOTTOM PLAN VIEW



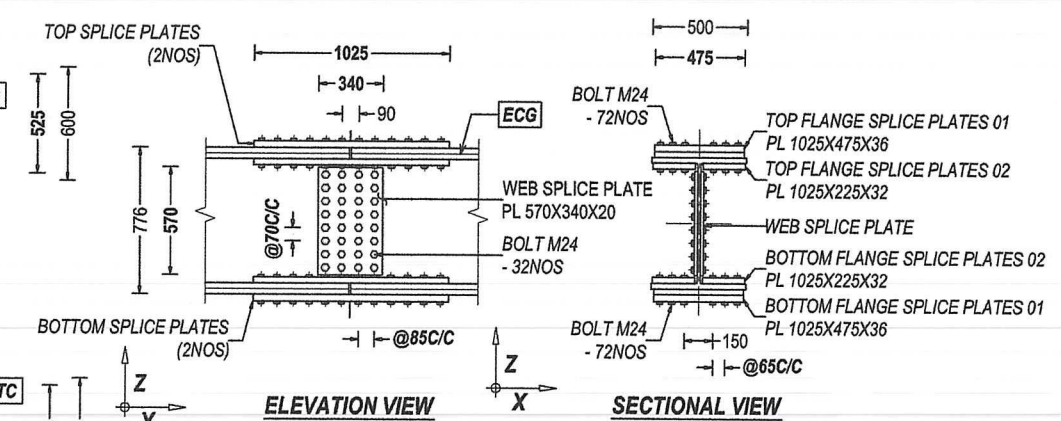
ELEVATION VIEW



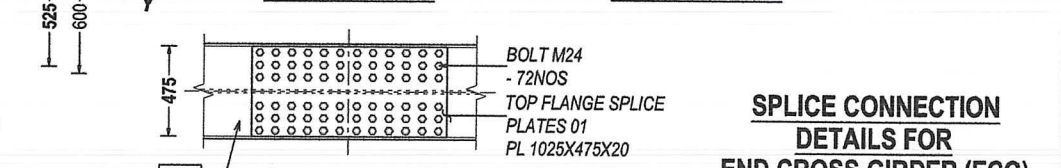
SECTIONAL VIEW

SPLICE CONNECTION DETAILS FOR MID DIAGONAL MEMBER (MDM)

SCALE - 1 : 40 @ A3 FORMAT



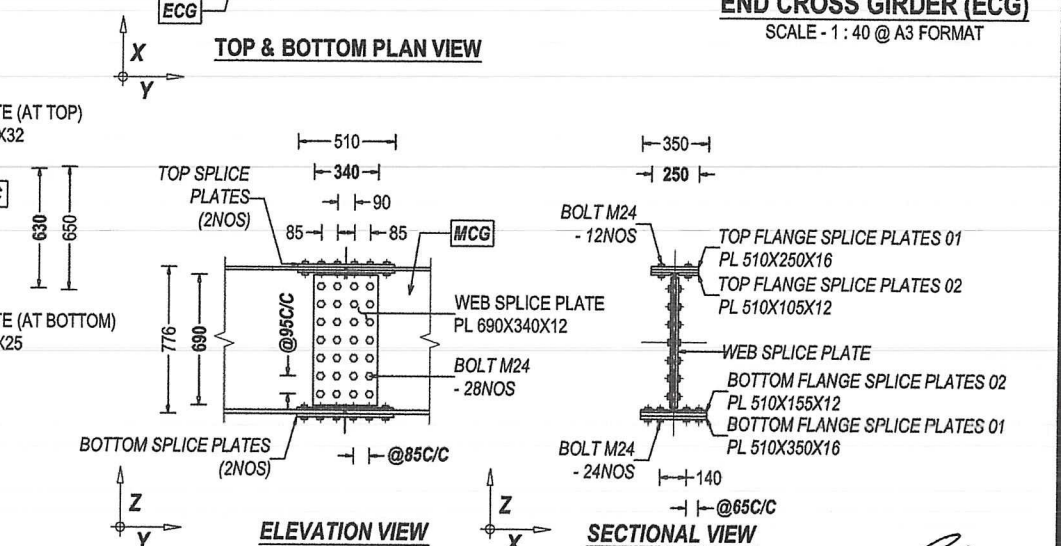
ELEVATION VIEW



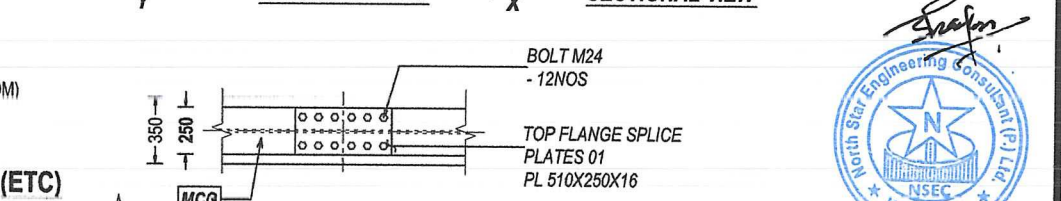
SECTIONAL VIEW

SPLICE CONNECTION DETAILS FOR END CROSS GIRDER (ECG)

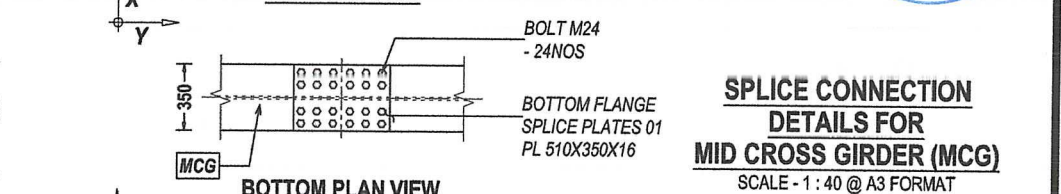
SCALE - 1 : 40 @ A3 FORMAT



ELEVATION VIEW



TOP PLAN VIEW



BOTTOM PLAN VIEW

SPLICE CONNECTION DETAILS FOR MID CROSS GIRDER (MCG)

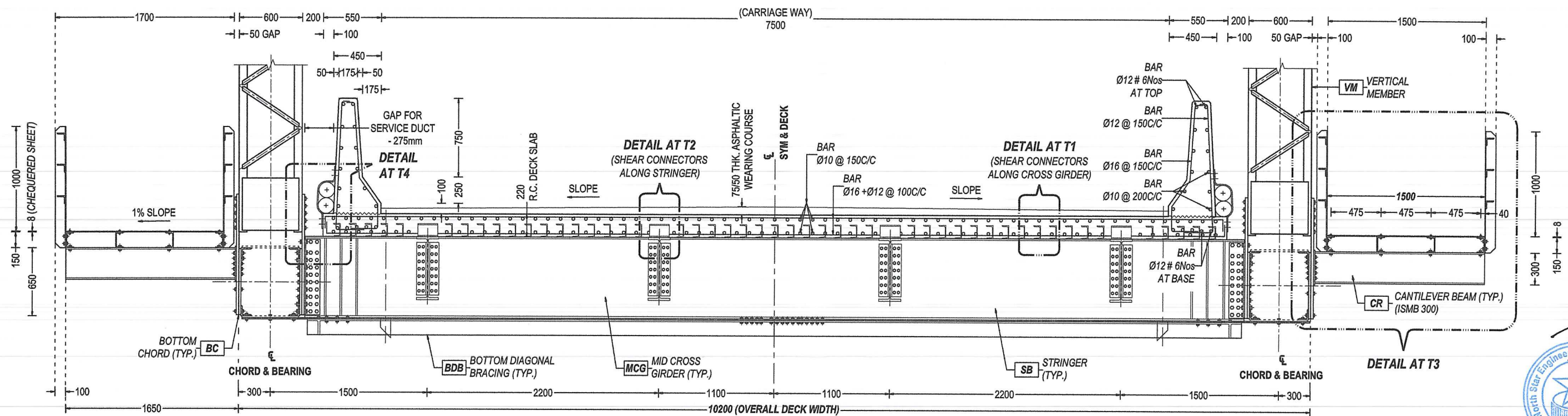
SCALE - 1 : 40 @ A3 FORMAT

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 Brd - 75.0 m - SS Span			
Drg. TITLE : SPlicing JOint DETAILS			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varna (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jul, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revisions :	

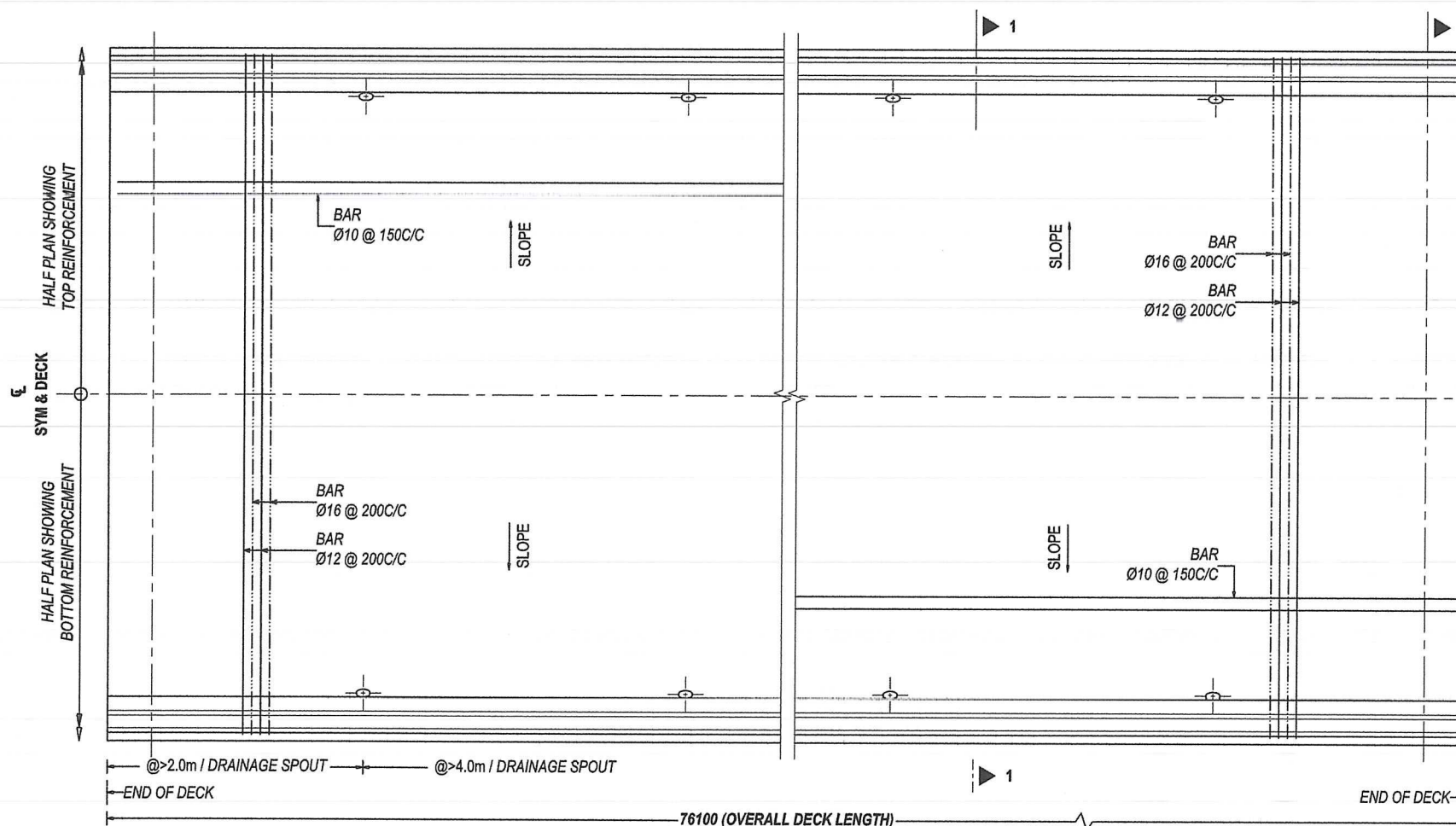


ड. उमेश बिन्दु श्रेष्ठ
महानिर्देशक

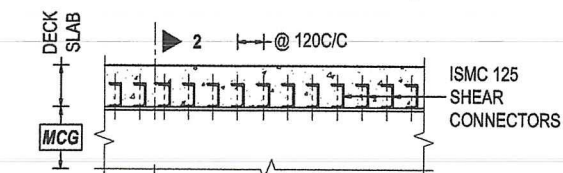
ड. अर्जुन जंग थापा
महानिर्देशक



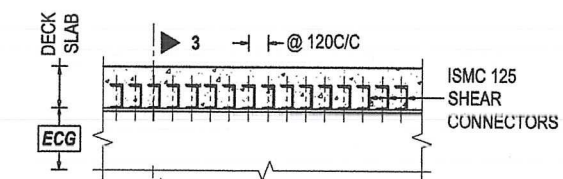
SECTION AT 1-1
SCALE - 1 : 40 @ A3 FORMAT



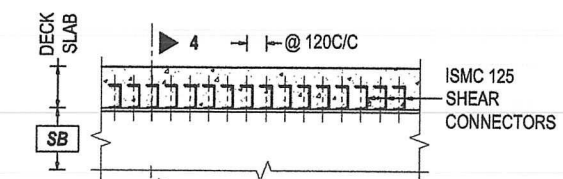
REINFORCEMENT DETAIL OF DECK SLAB
(TRUSSES ARE NOT SHOWN)
SCALE - 1 : 40 @ A3 FORMAT



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

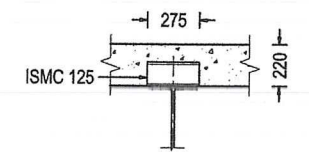


DETAIL AT T1 - SHEAR CONNECTORS ALONG MID CROSS GIRDER
SCALE - 1 : 40 @ A3 FORMAT

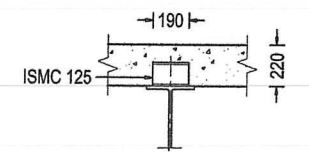


DETAIL AT T2 - SHEAR CONNECTORS ALONG STRINGER
SCALE - 1 : 40 @ A3 FORMAT

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 :

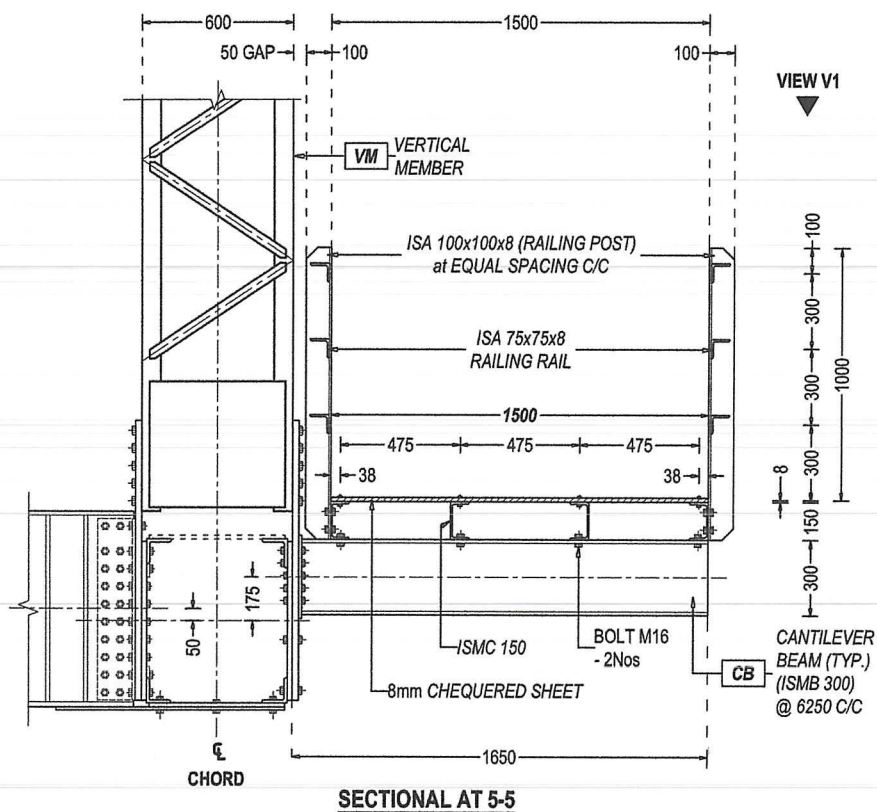
- All dimensions are in millimeters, unless stated otherwise.
- Grade of concrete is M35.
- Grade of steel is Fe500.
- Clear cover to outermost reinforcement is 40mm.
- Weld size for shear connector is 8mm fillet weld throughout whole length.

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 - 75.0 m - SS Span			
Drg. TITLE : REINFORCEMENT DETAILS OF DECK SLAB.			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varna (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jul, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revisions : गणेश थापा	

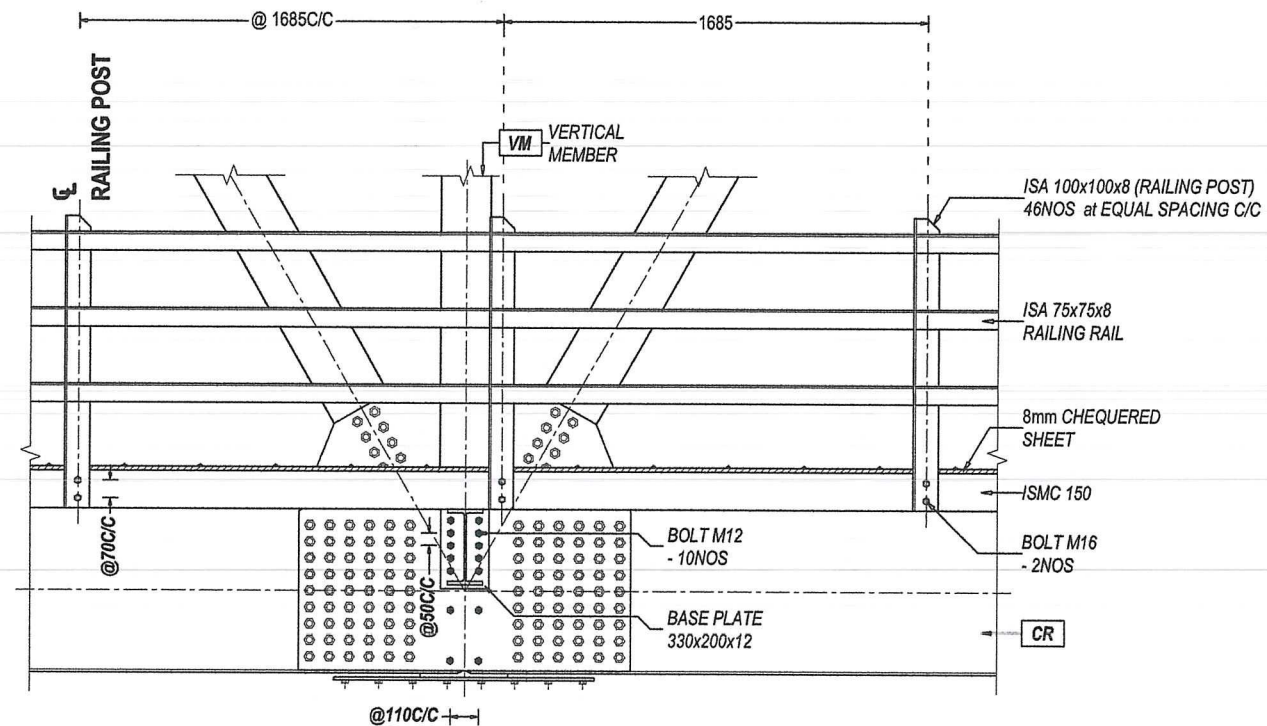


इ. उमेश बिन्दु श्रेष्ठ
उप-महानिर्देशक

इ. अर्जुन कंठ थापा
महानिर्देशक



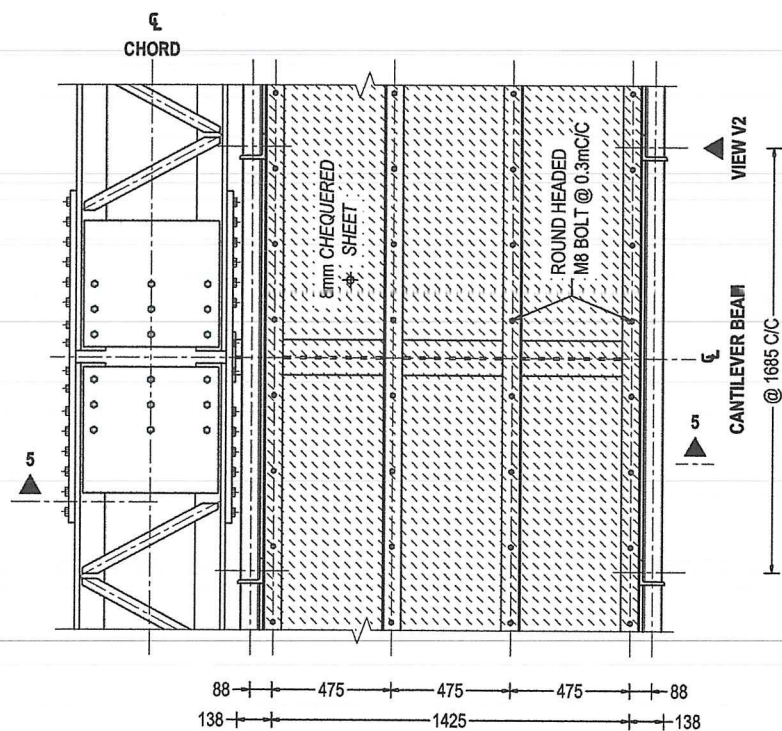
SECTIONAL AT 5-5



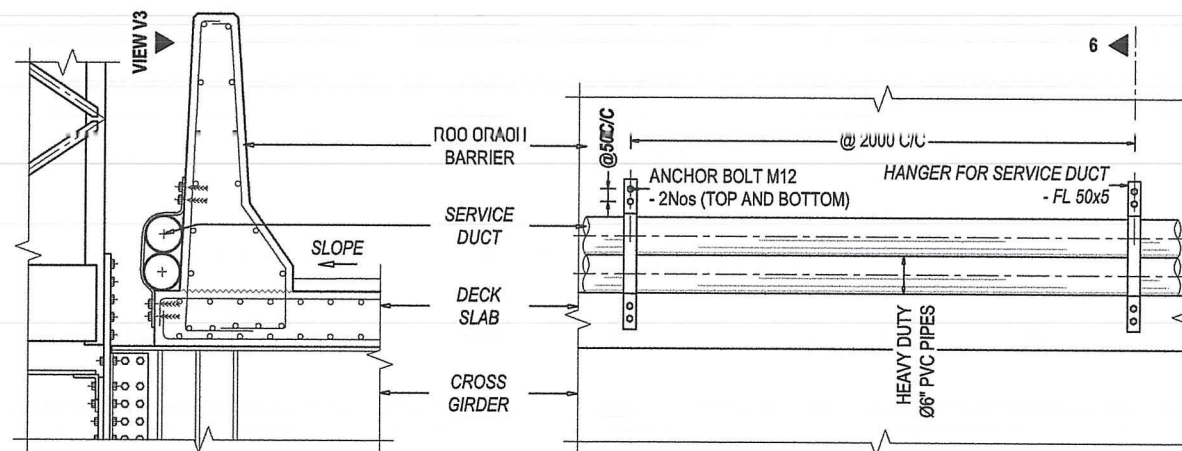
ELEVATION VIEW / VIEW AT V2

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

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)

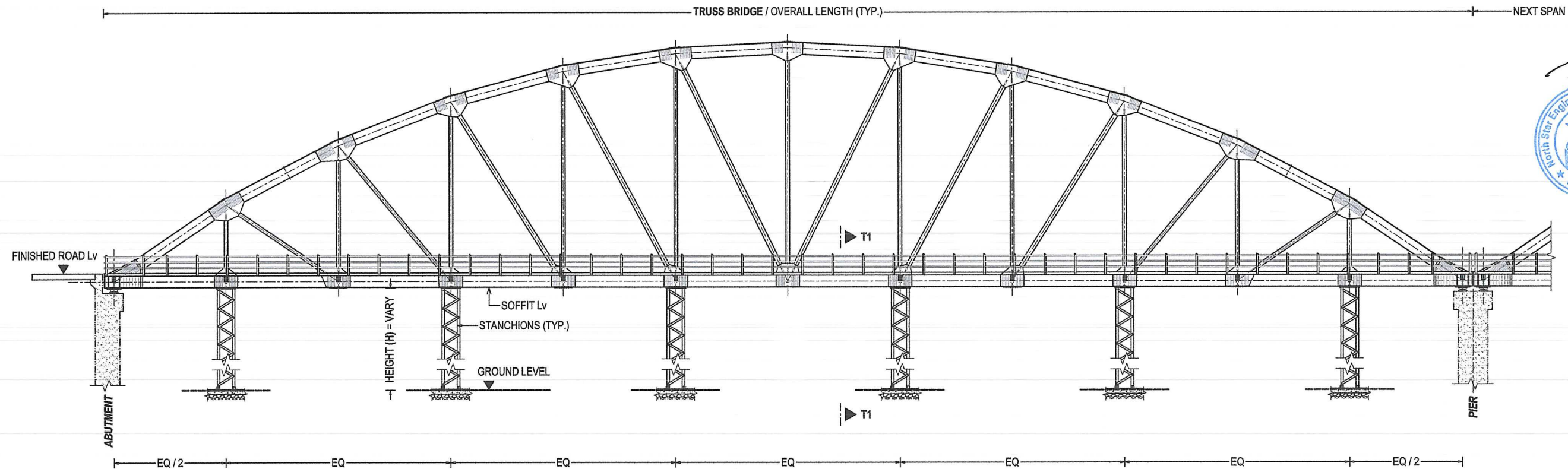
"V" = Vertical Load
 "H" = Longitudinal Horizontal Force
 "H_L" = Transverse Horizontal Force
 "θ_T" = Rotation About Bridge Transverse Axis
 "EQ" = Earthquake

DATA FOR BEARING				
LOAD CONDITION	ITEMS	POT FIXED BEARING	POT-PTFE free Bearings	
NO LL Condition	V	No EQ and WIND	2395 kN	2395 kN
		With EQ.	3256 kN	3256 kN
		WIND	2495 kN	2495 kN
	H _L	No EQ and WIND	0	0
		With EQ.	2425 kN	165 kN
		WIND	185 kN	125 kN
	H _T	No EQ and WIND	0	0
		With EQ.	1295 kN	1295 kN
		WIND	445 kN	445 kN
	θ	No EQ and WIND	0.00495 rad.	0
		With EQ.	0.00605 rad.	0.00605 rad.
		WIND	0.00555 rad.	0.00555 rad.
WITH LL Condition	V	No EQ and WIND	3485 kN	3485 kN
		With EQ.	3555 kN	3555 kN
		WIND	3585 kN	3585 kN
	H _L	No EQ and WIND	250 kN	175 kN
		With EQ.	2560 kN	180 kN
		WIND	370 kN	180 kN
	H _T	No EQ and WIND	0	0
		With EQ.	1630 kN	1630 kN
		WIND	445 kN	445 kN
	θ	No EQ and WIND	0.00820 rad.	0.00820 rad.
		With EQ.	0.00936 rad.	0.00936 rad.
		WIND	0.0088 rad.	0.0088 rad.

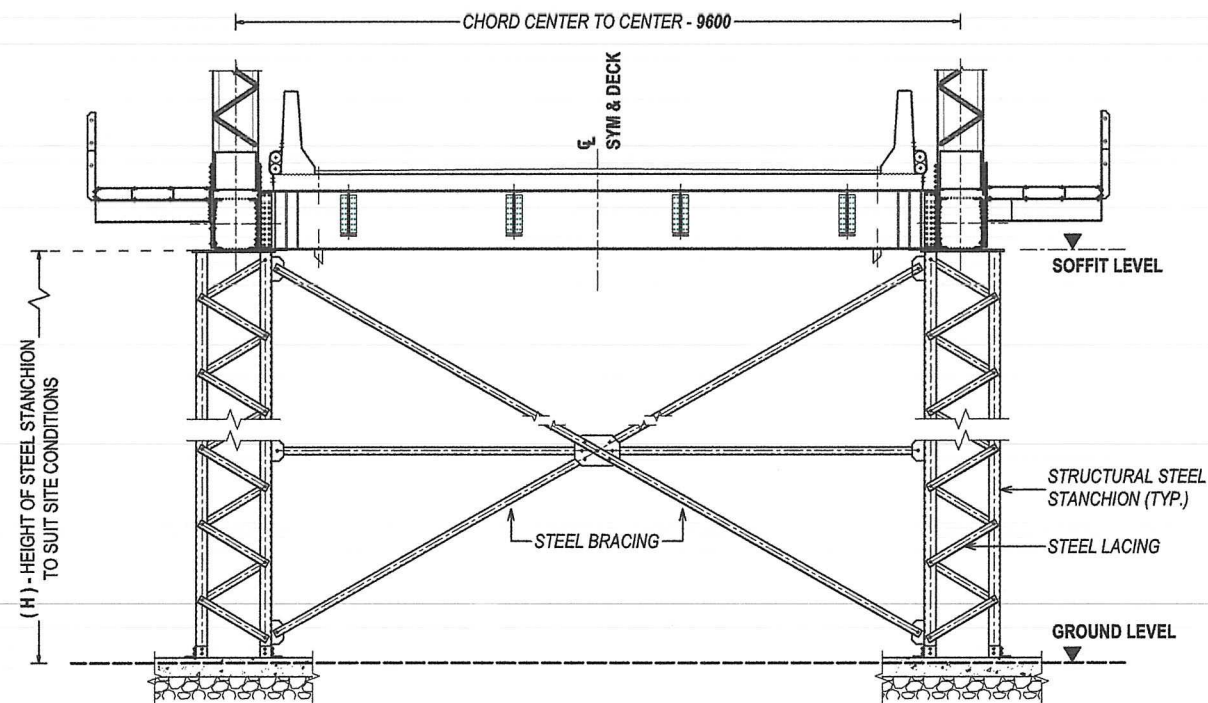
GOVERNMENT OF NEPAL MINISTRY OF PHYSICAL INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF ROADS BRIDGE BRANCH			
STANDARD SUPERSTRUCTURE DRAWING FOR ROAD BRIDGES			
Road Carriageway Width: 7.5m with 2 Footpaths each 1.5m wide		Overall Bridge Width: 10.20 m	
LIVE LOAD: IRC 1 Lane of 70R or 1 or 2 Lanes of Class A, whichever governs and Footpath Loading			
Drg. No.: 11/12 of Bowstring Steel Truss Bridge - 75.0 m - SS Span			
Drg. TITLE : CANTILEVER FOOTPATH & SERVICE DUCT DETAILS.			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varna (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jul, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revisions :	

ई. उमेश बिन्दु श्रेष्ठ

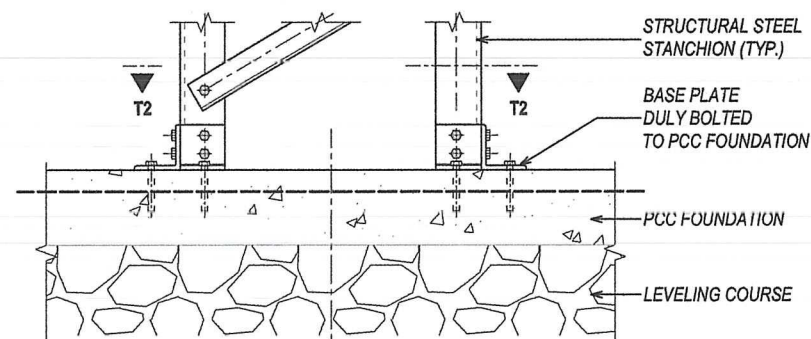
अर्जुन जंग थापा
महानिरीक्षक



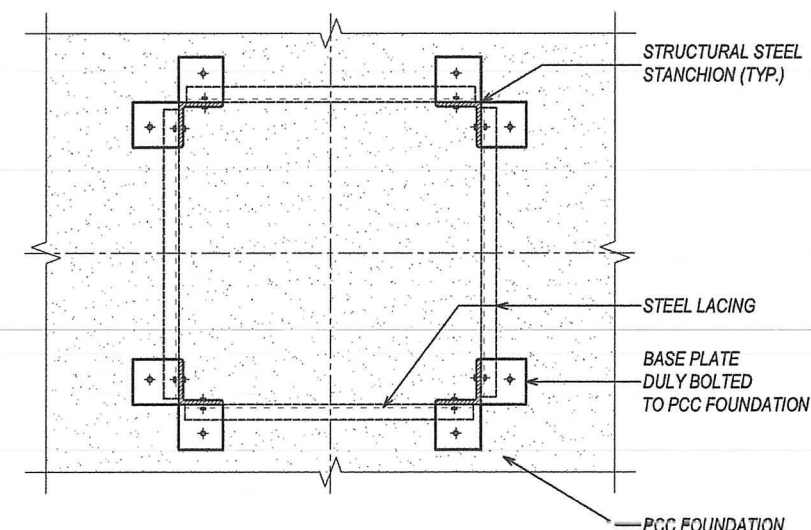
LOCATIONS OF TEMPORARY STEEL STANCHIONS FOR CONSTRUCTION (STAGING IN SITE METHOD)
SCALE - 1 : 250 @ A3 FORMAT



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

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.

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 - 75.0 m - SS Span			
Drg. TITLE : ERECTION METHOD BY STAGING IN SITE DETAILS			
Designed by : Biva Shrestha Malla (Structural Engineer)	Forwarded by : Amit Kumar Varna (Engineer, DoR)	Recommended by : Jibendra Mishra (SDE, DoR)	Date : Jul, 2022.
Accepted by : Umesh Bindu Shrestha (DDG, DoR)	Approved by : Arjun Jung Thapa (DG, DoR)	Revisions :	

इ. उमेश बिन्दु श्रेष्ठ
उप-महानिर्देशक

इ. अर्जुन जंग थापा
महानिर्देशक