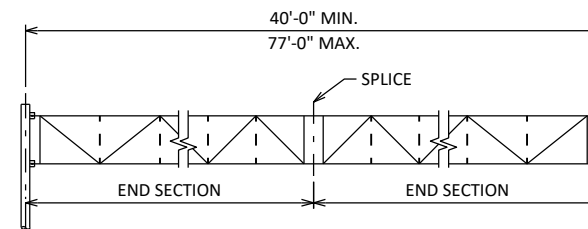


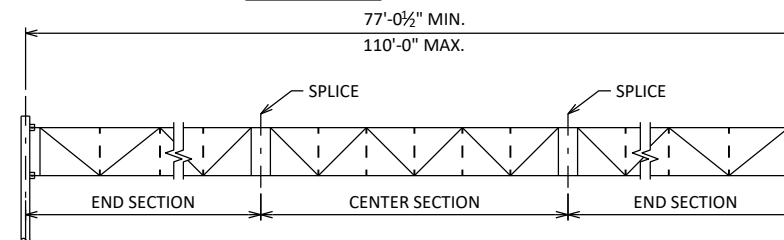
COLUMN "OD"	"X"
12 3/4"	10 1/8"
14"	9 1/2"
16"	8 1/2"

**END TRUSS SECTION**

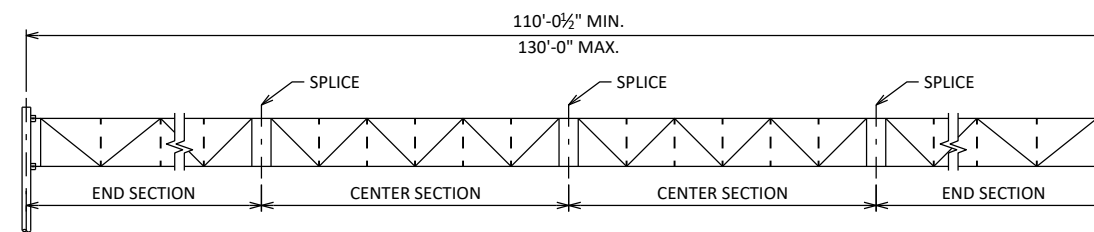
LOOKING AT F.F., TOP SIMILAR



**2 SECTION TRUSS**



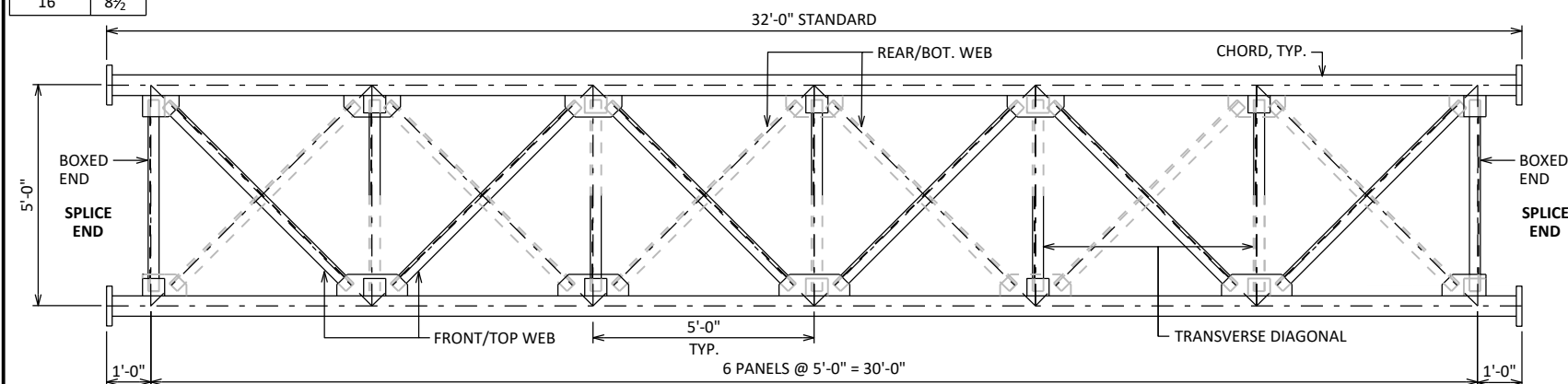
**3 SECTION TRUSS**



**4 SECTION TRUSS**

**TRUSS CONFIGURATIONS**

TRUSS SYMMETRICAL ABOUT C/L OF SPAN

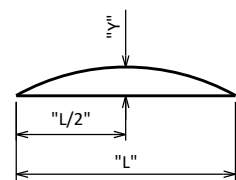


**CENTER TRUSS SECTION**

LOOKING AT F.F., TOP SIMILAR

**CAMBER VALUES**

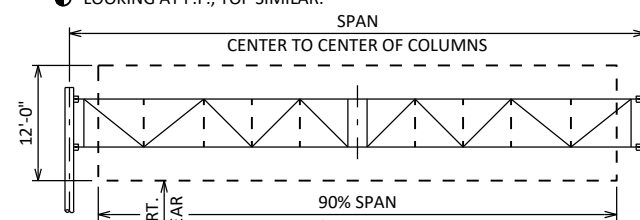
SPAN "L"	"y"	
	TYPE I	DMS
60'-0"	1"	1 1/4"
82'-0"	1 1/2"	1 7/8"
102'-0"	2 1/8"	2 5/8"
114'-0"	2 5/8"	3 1/4"
130'-0"	3 1/4"	4"



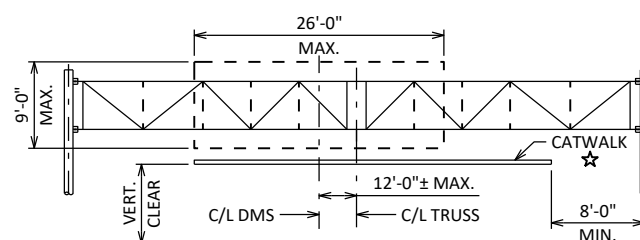
INTERPOLATE FOR VALUES NOT SHOWN. DMS VALUES INCLUDE DL OF CATWALK.

**CAMBER DIAGRAM**

CAMBER SHALL BE BUILT INTO THE TRUSS DURING FABRICATION. SHIM PLATES BETWEEN TRUSS SECTIONS TO CREATE CAMBER SHALL NOT BE ALLOWED.



**TYPE I SIGN LIMITS**

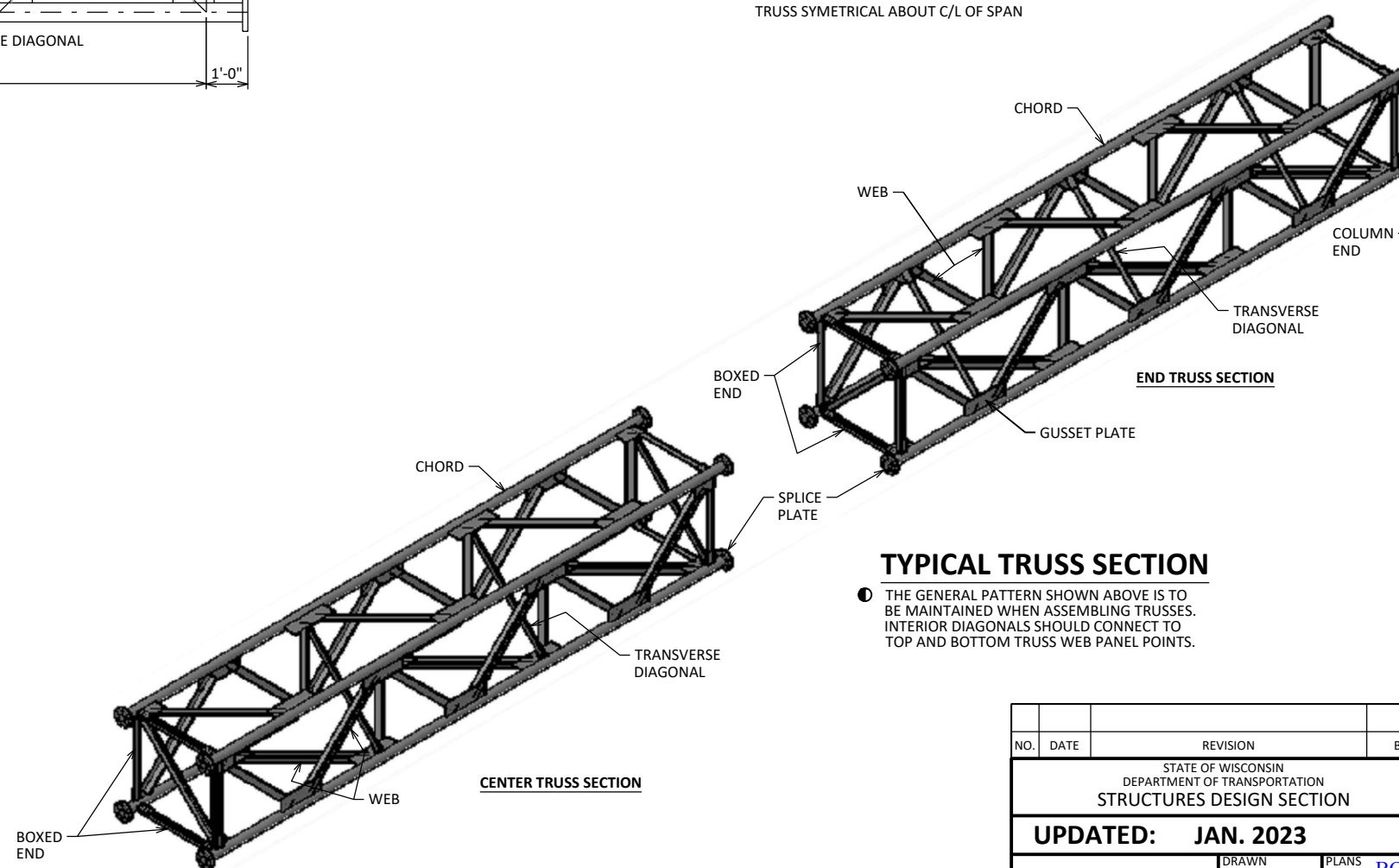


**DMS SIGN LIMITS**

4,500 LB MAX DMS WEIGHT, INCLUDES DMS VERTICAL SUPPORT MEMBERS

**FULL SPAN 4-CHORD TRUSS MEMBER TABLE**

STANDARD DESIGN TRUSS	TYPE I SIGN AREA (SQ. FT)	DMS AREA (SQ. FT.)	MAXIMUM SPAN	CHORD "OD" X THK	WEB W X D X THK	BOXED END W X D X THK	TRANSVERSE DIAGONAL W X D X THK	SPLICE PLATE "OD" X THK	CHORD SPLICE NO. 3/4" BOLTS
I	648	234	60'-0"	5.563" X 0.258"	L3 1/2 X 3 1/2 X 3/16	L3 X 3 X 1/4	L3 X 3 X 1/4	11 5/8" X 1 1/2"	8
II	885	234	82'-0"	5.563" X 0.375"	L3 1/2 X 3 1/2 X 3/8	L3 X 3 X 1/4	L3 X 3 X 1/4	11 5/8" X 1 1/2"	8
III	1102	234	102'-0"	5.563" X 0.500"	L4 X 4 X 3/8	L3 X 3 X 1/4	L3 X 3 X 1/4	11 5/8" X 1 1/2"	8
IV	1232	234	114'-0"	6.625" X 0.375"	L4 X 4 X 1/16	L3 X 3 X 1/4	L3 X 3 X 1/4	1'-0 5/8" X 1 1/2"	8
V	1404	234	130'-0"	6.625" X 0.500"	L4 X 4 X 1/2	L3 X 3 X 1/4	L3 X 3 X 1/4	1'-0 5/8" X 1 1/2"	8



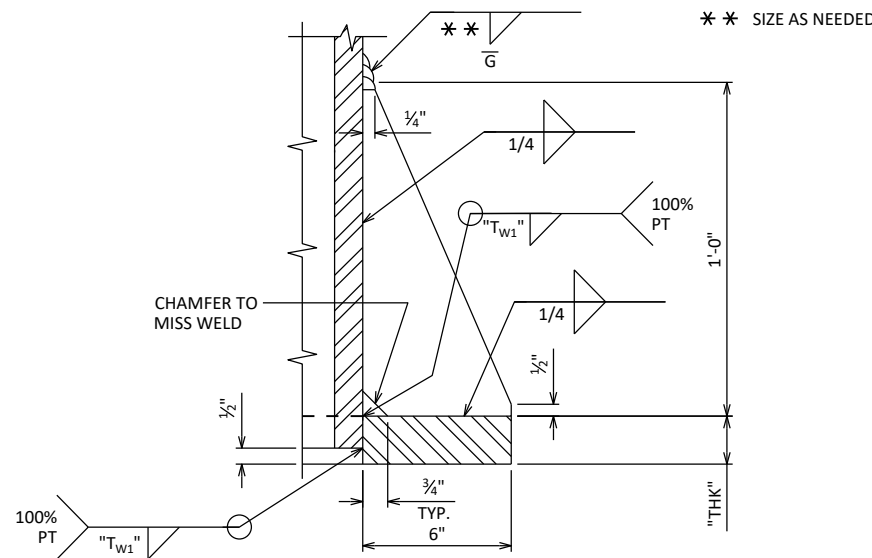
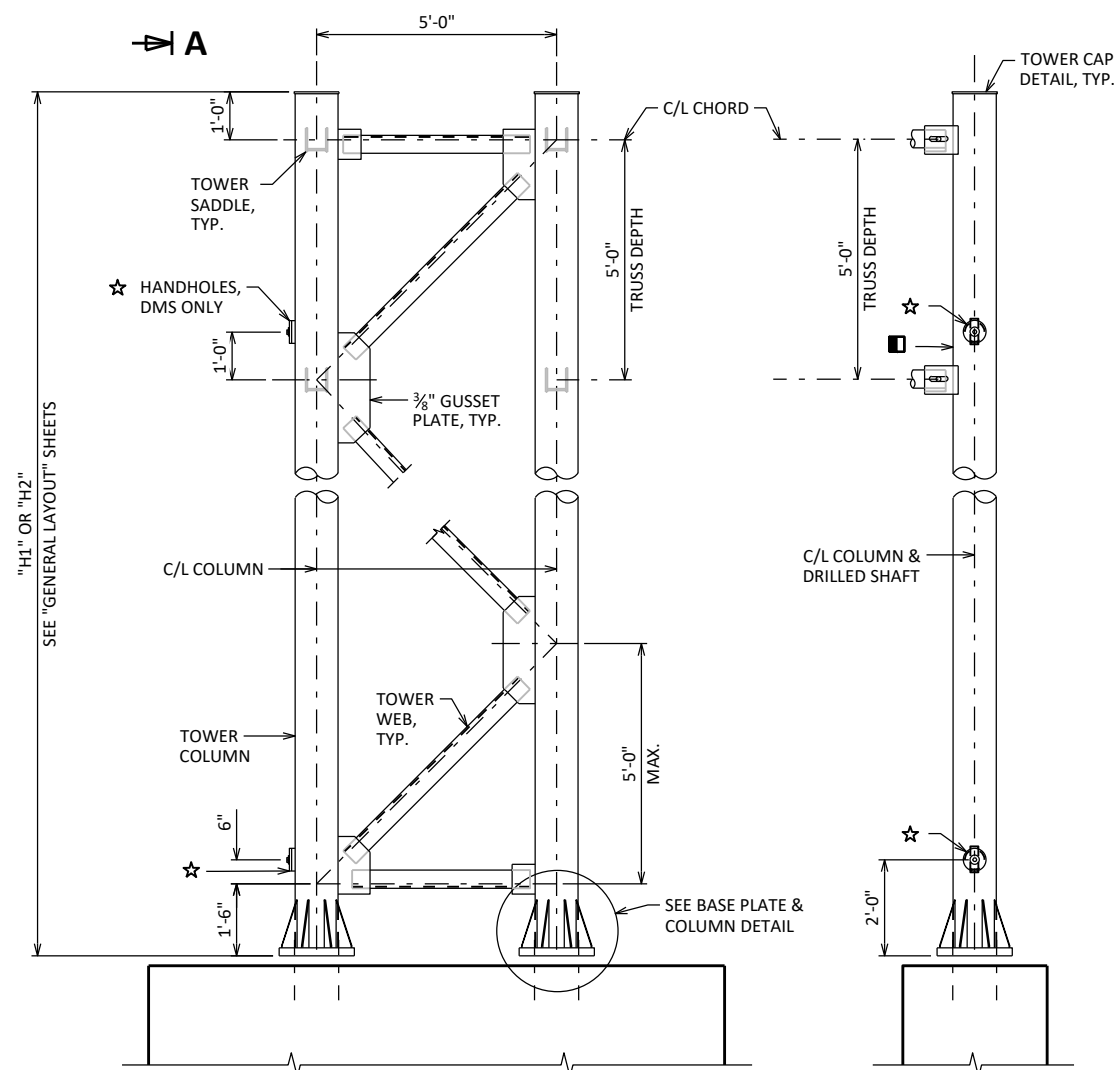
**TYPICAL TRUSS SECTION**

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES. INTERIOR DIAGONALS SHOULD CONNECT TO TOP AND BOTTOM TRUSS WEB PANEL POINTS.

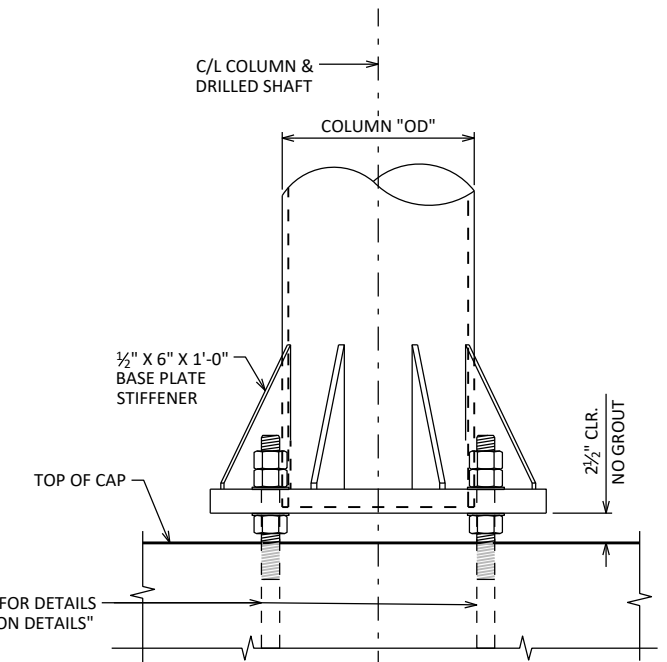
**LEGEND**

★ FOR OSS WITH DMS ONLY, SEE "CATWALK DETAILS" SHEET.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JAN. 2023</b>			
DRAWN BY		BOS	PLANS CK'D BOS
<b>4-CHORD TRUSS FULL SPAN DETAILS</b>			SHEET I



BASE PLATE STIFFENER DETAIL



BASE PLATE & COLUMN DETAIL

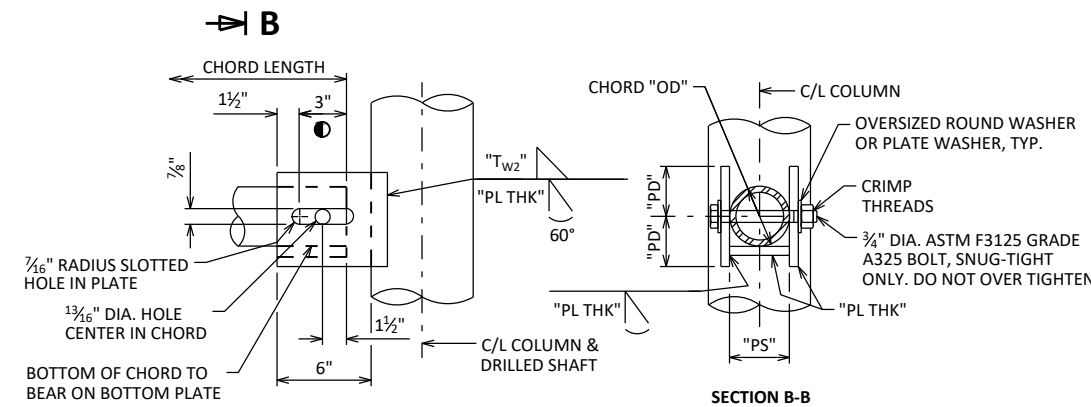
LOOKING AT F.F. OF STRUCTURE

END VIEW COLUMN TRUSS

LOOKING AT OUTSIDE FACE OF COLUMN

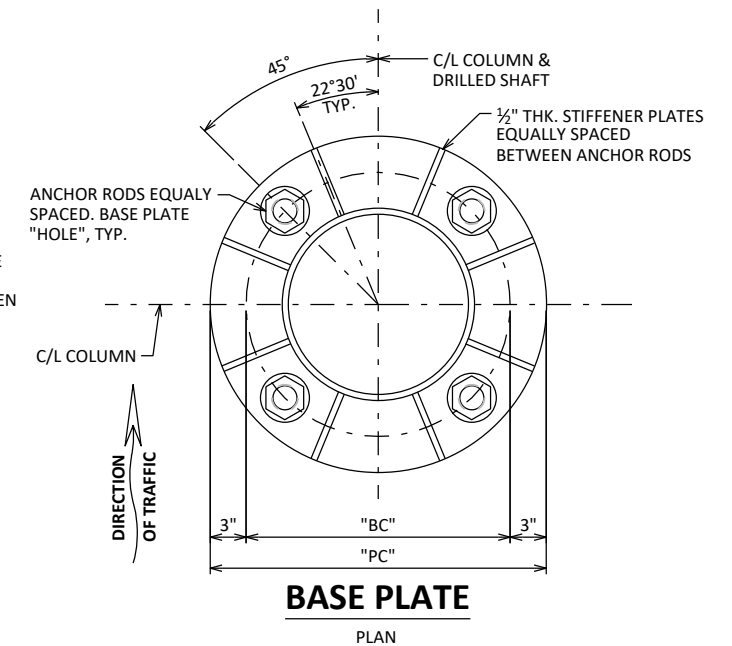
SECTION A-A

LOOKING AT F.F. OF STRUCTURE, OTHER COLUMN TRUSS SIMILAR



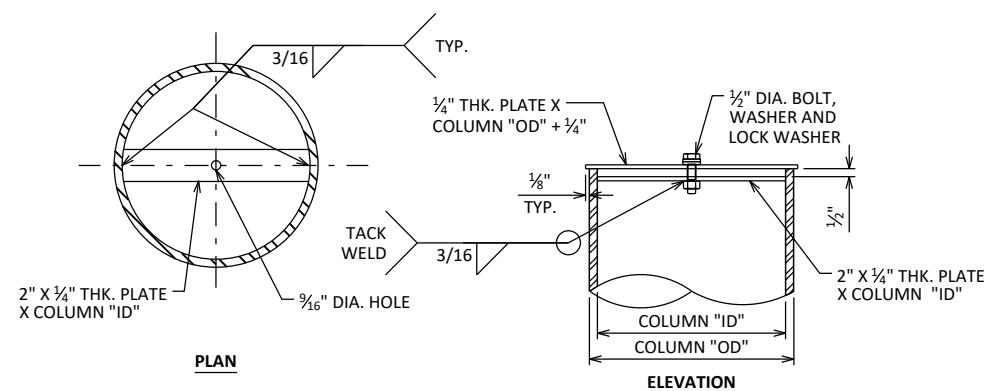
TOWER SADDLE CONNECTION DETAILS

BOLT AND HOLE DIMENSIONS SHOWN ARE MINIMUM



BASE PLATE

PLAN



TOWER CAP DETAIL

FULL SPAN 4-CHORD COLUMN MEMBER TABLE

STANDARD DESIGN TYPE	MAXIMUM COLUMN HEIGHT	COLUMN "OD" X THK	WEB W X D X THK	STIFFENER THK X W X D	BASE PLATE					TOWER SADDLE CONNECTION			
					"TW1"	"HOLE"	"THK"	"BC"	"PC"	"TW2"	"PL THK"	"PS"	"PD"
I	31'-0"	12 3/4" X 0.250"	L3 1/2 X 3 1/2 X 3/8	1/2" X 6" X 1'-0"	5/16"	1 13/16"	2"	1'-6 3/4"	2'-0 3/4"	1/4"	3/8"	5 3/4"	3 9/16"
II	31'-0"	12 3/4" X 0.375"	L4 X 4 X 3/8	1/2" X 6" X 1'-0"	5/16"	1 13/16"	2"	1'-6 3/4"	2'-0 3/4"	1/4"	3/8"	5 3/4"	3 9/16"
III	31'-0"	12 3/4" X 0.500"	L4 X 4 X 1/2	1/2" X 6" X 1'-0"	5/16"	2 1/16"	2"	1'-6 3/4"	2'-0 3/4"	1/4"	7/16"	5 3/4"	3 9/16"
IV	31'-0"	14" X 0.500"	L5 X 5 X 7/16	1/2" X 6" X 1'-0"	5/16"	2 1/16"	2"	1'-8"	2'-2"	1/4"	7/16"	6 13/16"	4 1/16"
V	31'-0"	16" X 0.500"	L5 X 5 X 1/2	1/2" X 6" X 1'-0"	5/16"	2 1/16"	2"	1'-10"	2'-4"	1/4"	1/2"	6 13/16"	4 1/16"

LEGEND

☆ FOR OSS WITH DMS ONLY, PROVIDE HANDHOLES AT COLUMN ADJACENT TO DMS. SEE "ELECTRICAL DETAILS" SHEET.

■ FOR OSS WITH DMS ONLY, DRILL AND TAP FOR 2 - 2" STD. PIPE THREADS. LOCATE CENTER OF BOTTOM HOLE 6" ABOVE TOP OF BOTTOM CHORD AND SPACE VERTICALLY AT 6" C/C. PLACE CONDUIT PLUG IN HOLES THAT ARE NOT USED FOR WIRING SIGN PANELS. SEE "ELECTRICAL DETAILS" SHEET.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: OCT. 2023</b>			
DRAWN BY		PLANS CK'D	
BOS		BOS	
<b>4-CHORD TRUSS FULL SPAN COLUMN DETAILS</b>			SHEET II

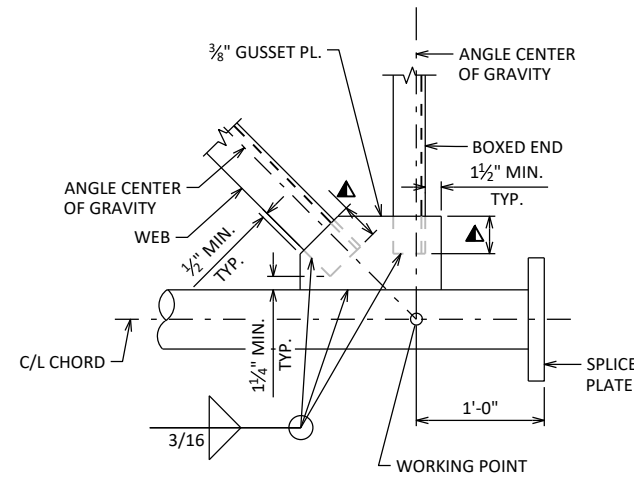
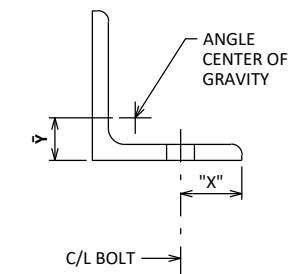
**MEMBER CONNECTION DATA**

STANDARD DESIGN TYPE	WELD LEG MIN. LENGTH		NO. OF BOLTS	
	▲	●	■	☆
I	3"	4"	3	3
II	3½"	6"	3	3
III	3½"	6"	5	3
IV	4"	6¾"	5	4
V	4½"	7¾"	5	4

FOR ALL ANGLE TO GUSSET CONNECTIONS, BOLT SPACING = 2½"

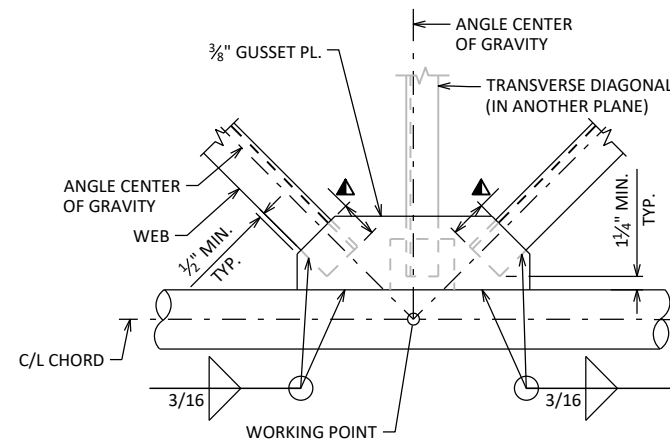
**ANGLE DATA**

ANGLE SIZE	ȳ	"X"
L3 X 3 X ¼	0.84"	1¼"
L3½ X 3½ X ⅝	0.98"	1½"
L3½ X 3½ X ¾	1.00"	1½"
L4 X 4 X ⅜	1.13"	1½"
L4 X 4 X ⅜	1.15"	1½"
L4 X 4 X ½	1.18"	1½"
L5 X 5 X ⅞	1.40"	2"
L5 X 5 X ½	1.42"	2"

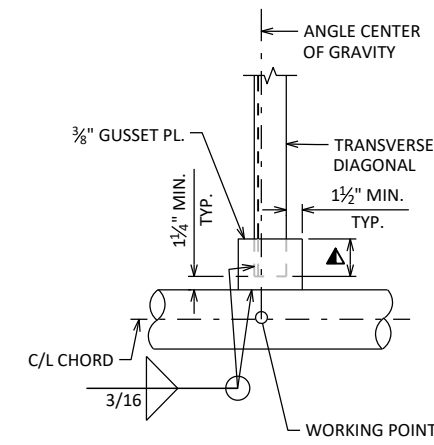


**WELDED BOXED END CONNECTION**

CONNECTION SHOWN AT CHORD SPLICE, CONNECTION AT COLUMN END SIMILAR

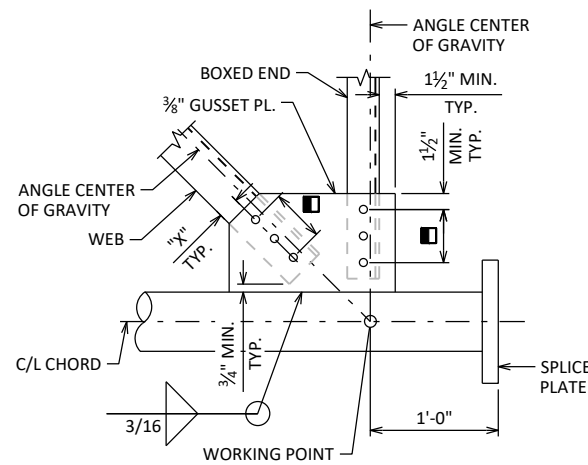


**WELDED PANEL CONNECTION**



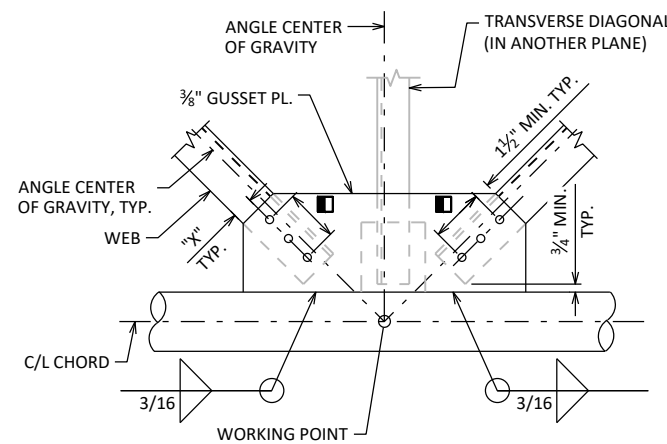
**WELDED TRANSVERSE DIAGONAL CONNECTION**

WEB MEMBERS NOT SHOWN FOR CLARITY

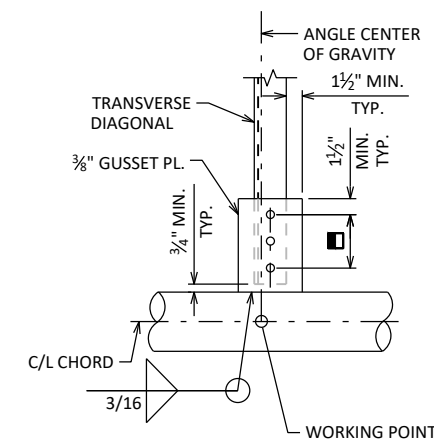


**BOLTED BOXED END CONNECTION**

CONNECTION SHOWN AT CHORD SPLICE, CONNECTION AT COLUMN END SIMILAR

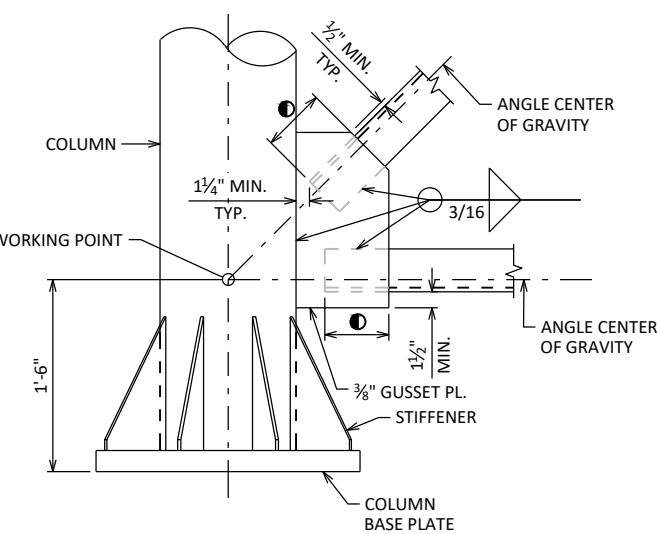


**BOLTED PANEL CONNECTION**



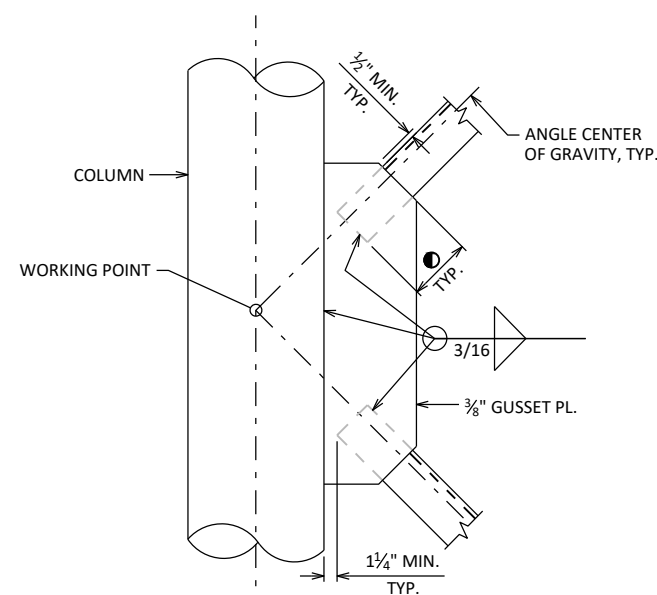
**BOLTED TRANSVERSE DIAGONAL CONNECTION**

WEB MEMBERS NOT SHOWN FOR CLARITY

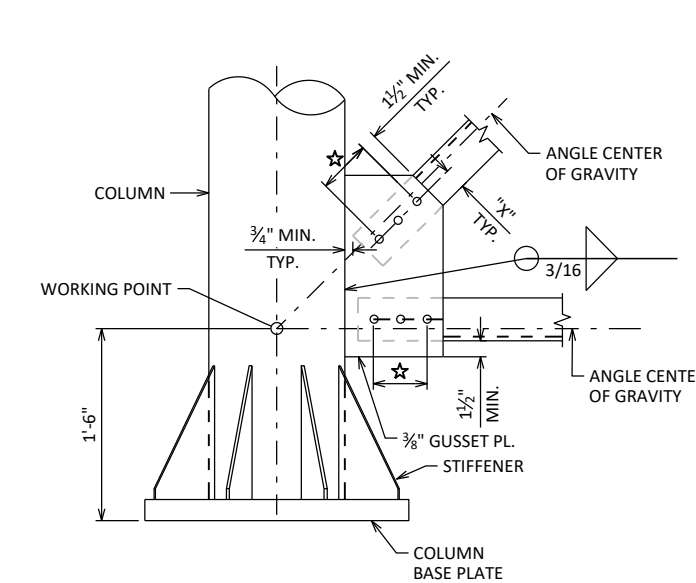


**WELDED COLUMN BOTTOM CONNECTION**

TOP CONNECTION SIMILAR

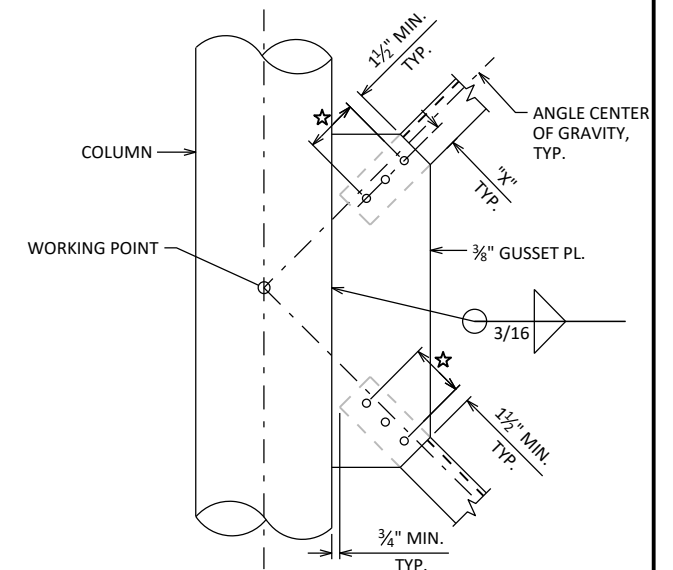


**WELDED COLUMN WEB CONNECTION**



**BOLTED COLUMN BOTTOM CONNECTION**

TOP CONNECTION SIMILAR

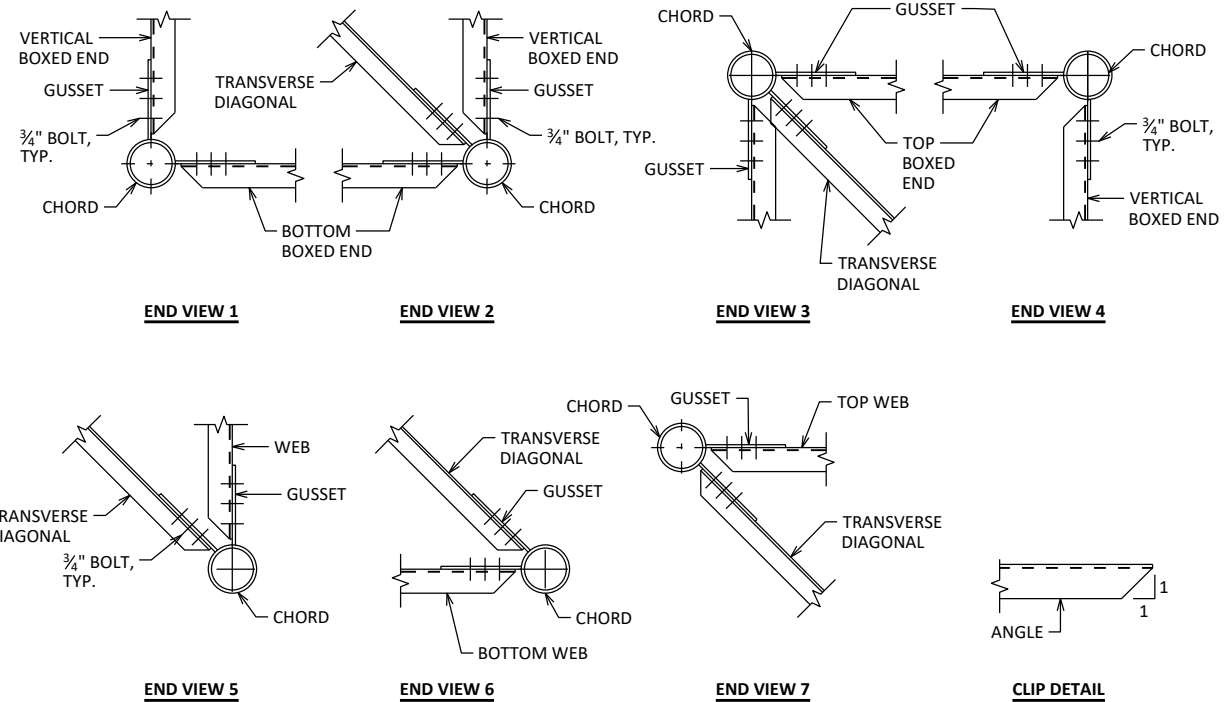


**BOLTED COLUMN WEB CONNECTION**

**NOTE:**

FABRICATOR HAS THE OPTION TO USE NON-MITERED RECTANGULAR GUSSET PLATES IN LIEU OF MITERED PLATES SHOWN IN THESE DETAILS.

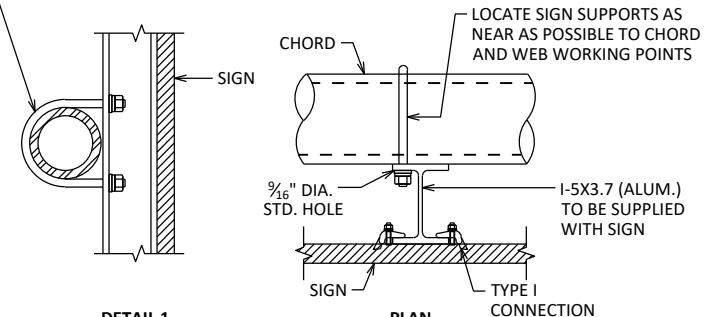
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JAN. 2023</b>			
DRAWN BY BOS		PLANS CK'D BOS	
<b>4-CHORD TRUSS FULL SPAN CONNECTIONS 1</b>		SHEET III	



**TRUSS CONNECTION DETAILS**

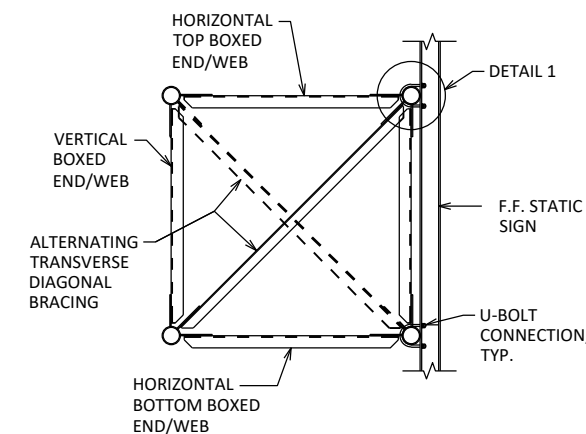
MEMBER ORIENTATION FOR BOLTED CONNECTIONS SHOWN, WELDED CONNECTIONS SIMILAR

1/2" DIA. STAINLESS STEEL U-BOLT WITH 2 LOCK WASHERS, 2 FLAT WASHERS AND 2 HEX NUTS PER BOLT. 2 BOLTS REQUIRED PER I-BEAM. LOCATE TOP AND BOTTOM U-BOLTS ON OPPOSITE SIDES OF FLANGE.



**TYPICAL SIGN CONNECTION**

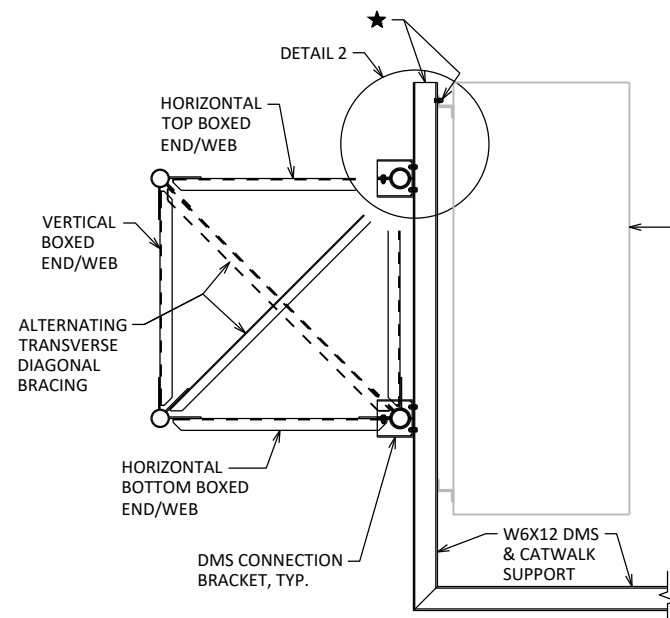
USE FOR TYPE I AND II SIGNS, TYPE I SIGN SHOWN. SEE SIGN PLATE MANUAL A4-7A AND A4-7B FOR DETAILS.



**SECTION THRU TRUSS - STATIC SIGN**

FOR SIGN CONNECTION

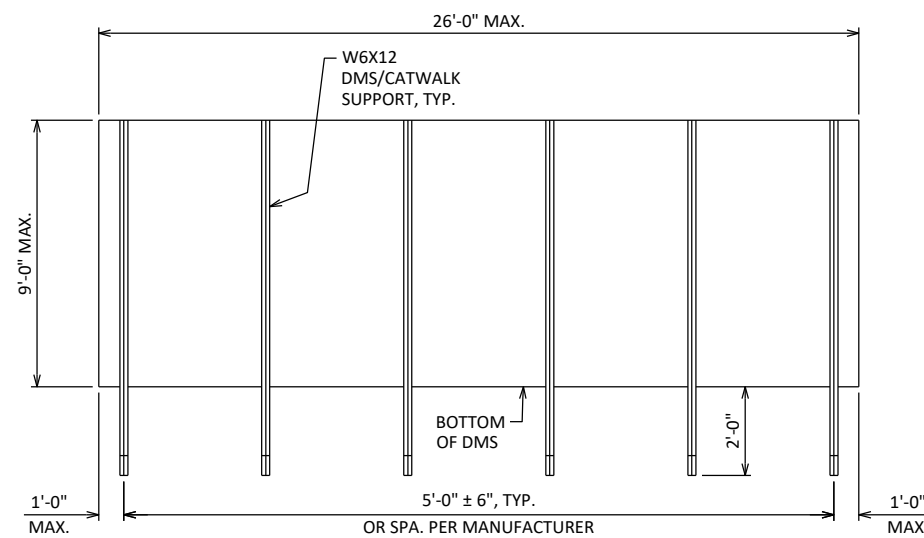
ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH THE SIGN PANEL. HARDWARE TO BE SUPPLIED BY THE CONTRACTOR.



**SECTION THRU TRUSS - DMS**

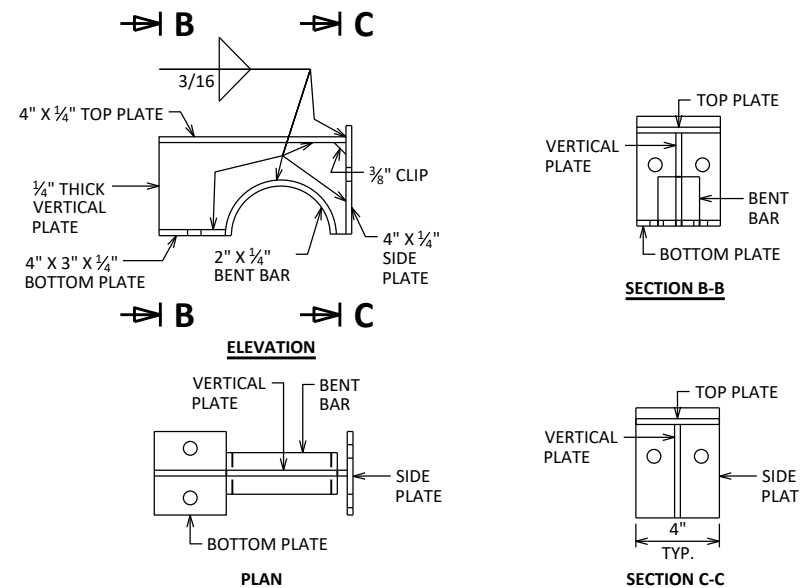
FOR DMS/CATWALK CONNECTIONS

★ W6X12 SUPPORTS AND HARDWARE ARE TO BE SUPPLIED BY THE CONTRACTOR. 1/2" STAINLESS BOLT, NUT, WASHER AND LOCK WASHER REQUIRED, 4 PER W6X12. FIELD DRILLED HOLES IN STEEL SUPPORTS MUST BE COLD GALVANIZED.



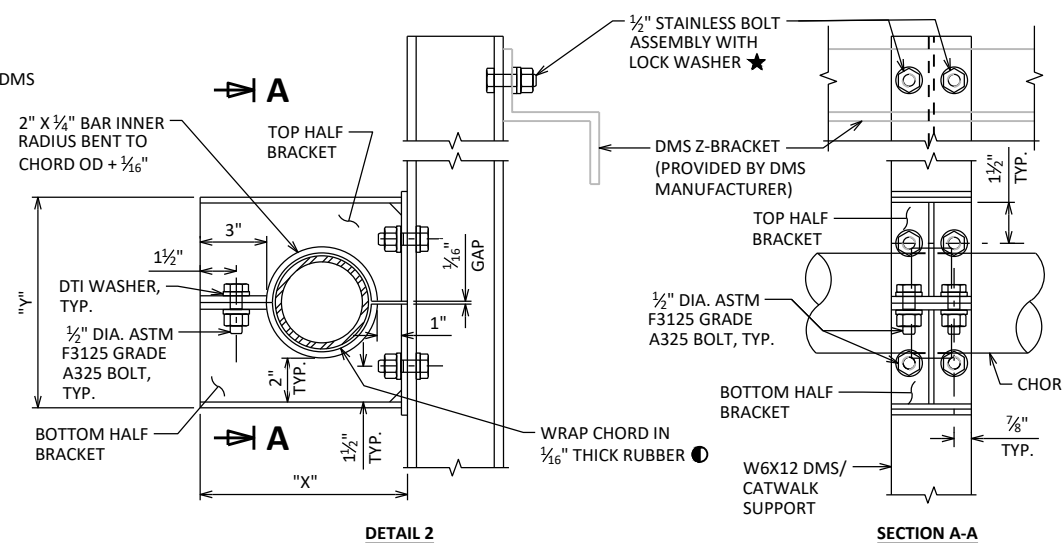
**DMS MOUNTING POST SPACING DETAIL**

POST SPACING MAY BE ADJUSTED AS REQUIRED IF SPACING CONFLICTS WITH GUSSET PLATES OF TRUSS WITHIN TOLERANCES NOTED.



**DMS WELDED PLATE CONNECTION DETAILS**

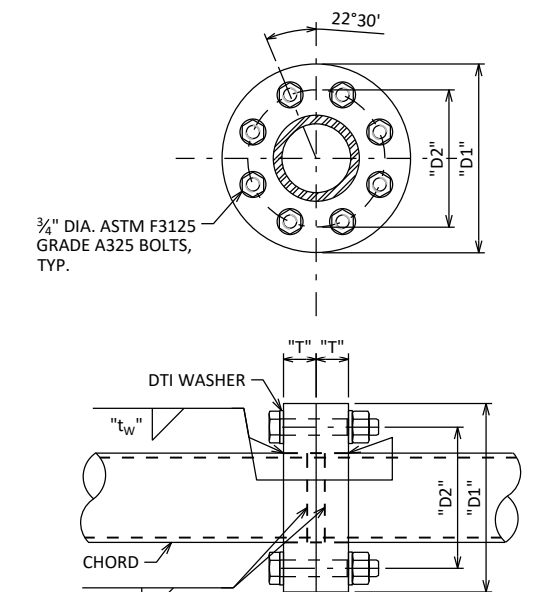
TOP HALF OF BRACKET SHOWN, BOTTOM HALF SIMILAR.



**TYPICAL DMS CONNECTION**

● NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD. SPEC. 506.2.6.1

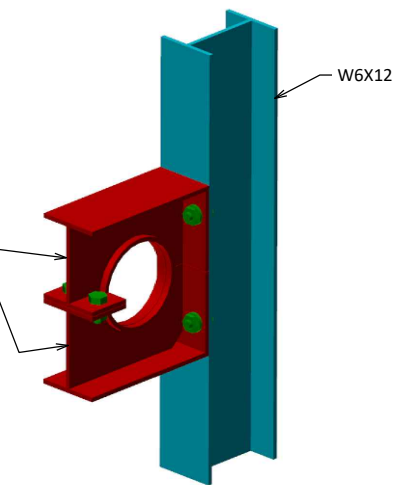
CHORD "OD"	"X"	"Y"
5.563"	10 3/8"	10 3/8"
6.625"	11 1/16"	11 1/16"



**CHORD SPLICE PLATE DETAIL**

**CHORD SPLICE CONNECTION DATA**

STANDARD DESIGN TYPE	"D1"	"D2"	"T"	"tw"	NO. OF BOLTS
I	11 1/8"	8 3/8"	1 1/2"	5/16"	8
II	11 1/8"	8 3/8"	1 1/2"	5/16"	8
III	11 1/8"	8 3/8"	1 1/2"	3/8"	8
IV	1'-0 5/8"	9 3/8"	1 1/2"	3/8"	8
V	1'-0 5/8"	9 3/8"	1 1/2"	3/8"	8

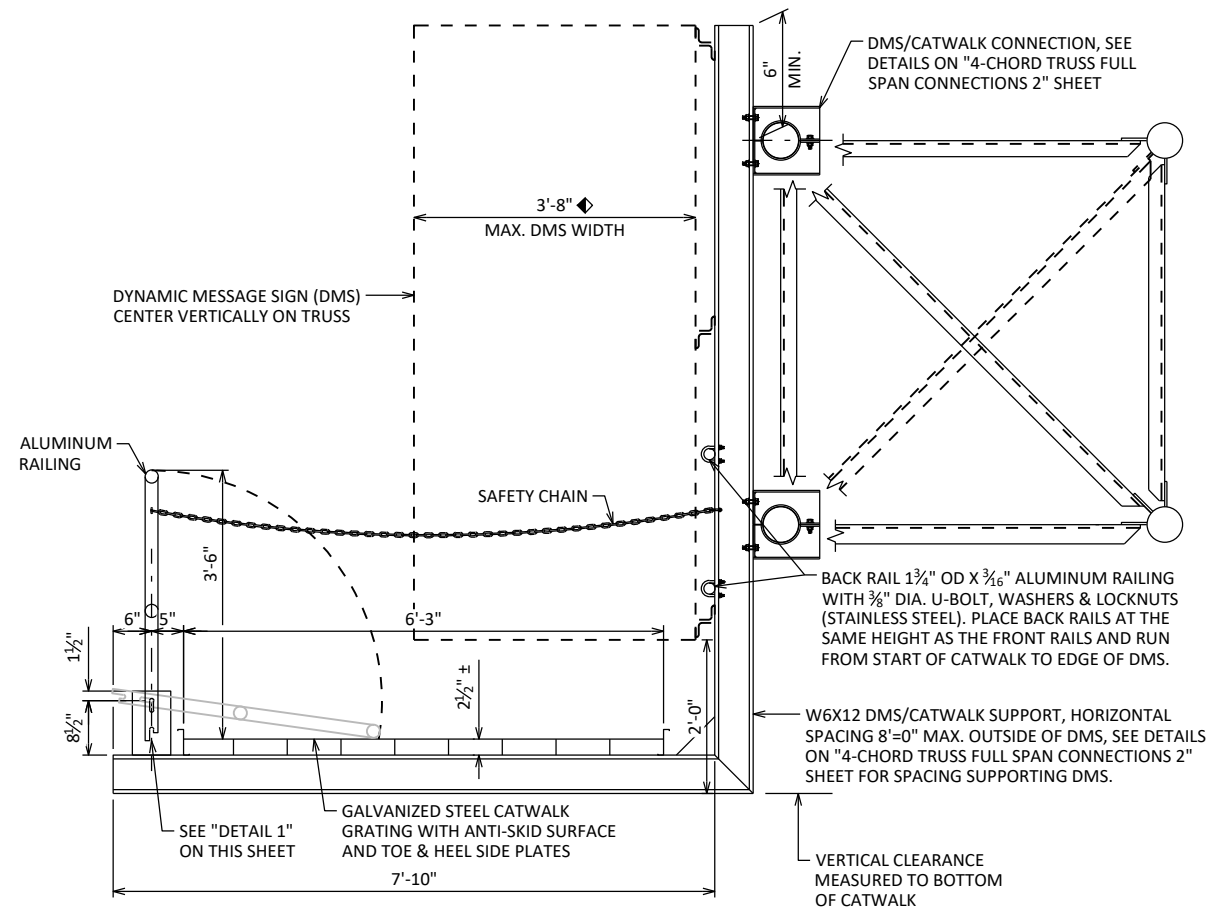


**3-D VIEW OF DMS CONNECTION**

CHORD NOT SHOW FOR CLARITY

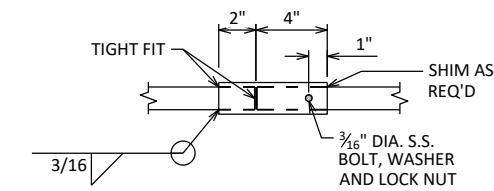
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: OCT. 2023</b>			
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<b>4-CHORD TRUSS FULL SPAN CONNECTIONS 2</b>			SHEET IV





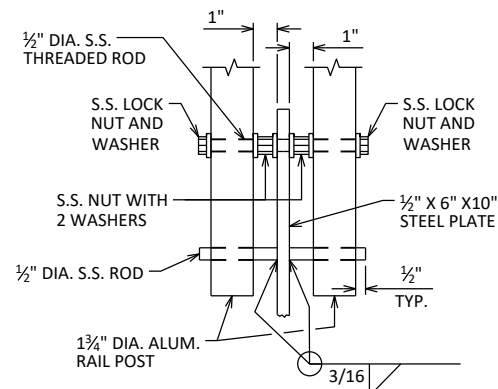
**SECTION THRU WALKWAY**

◆ DMS MAY BE RECTANGULAR OR TRAPEZOIDAL. IF DMS HAS A TRAPEZOIDAL SHAPE, THIS DIMENSION REPRESENTS THE AVERAGE WIDTH.



**BACKRAIL SPLICE**

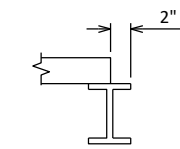
ONE SPLICE ALLOWED FOR LENGTHS OVER 30'-0"



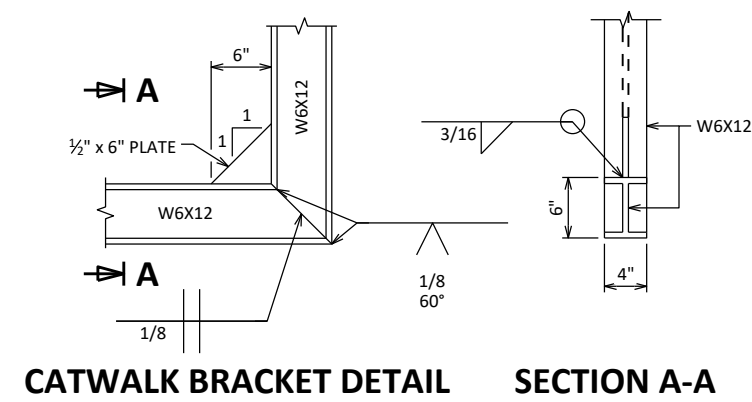
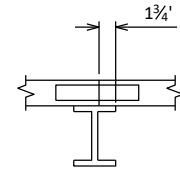
**TYPICAL FRONT RAILING DETAILS**

S.S. - STAINLESS STEEL

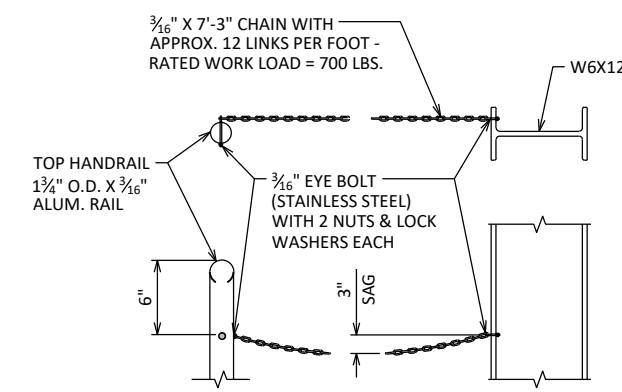
**CATWALK TERMINATION DETAIL**



**CATWALK SPLICE LOCATION DETAIL**

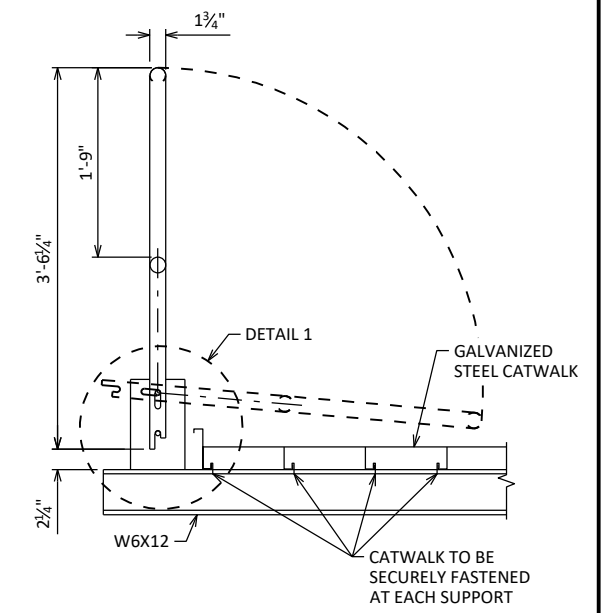


**CATWALK BRACKET DETAIL SECTION A-A**

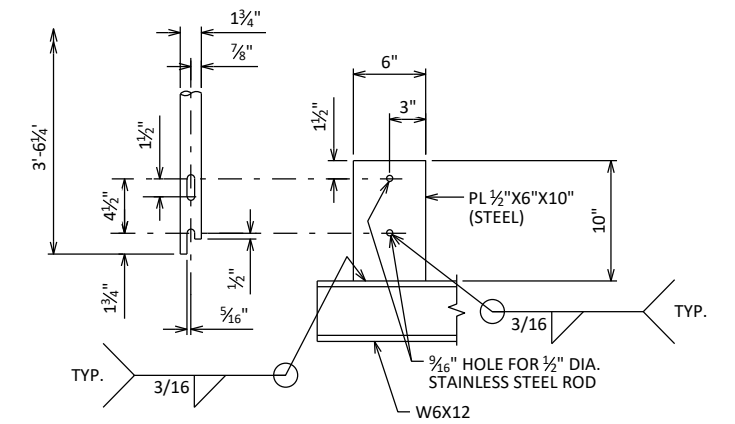


**SAFETY CHAIN DETAIL**

PROVIDE SAFETY CHAIN AT EACH END OF CATWALK



**RAIL POST DETAIL**

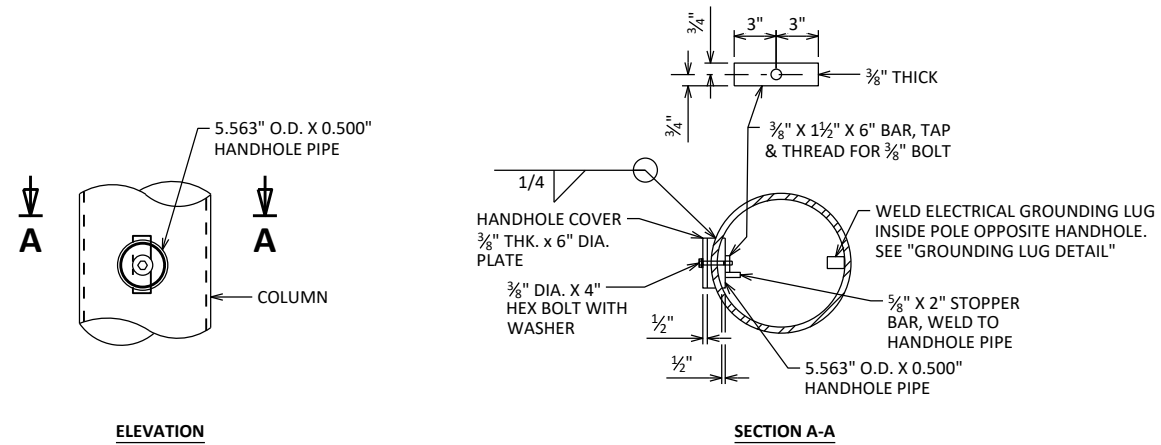


**DETAIL 1**

**CATWALK LOADING DIAGRAM**

NOTE: CATWALK GRATING SHALL MEET THE CURRENT AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" WITH 500 LB LIVE LOAD DISTRIBUTED OVER 2'-0" TRANSVERSELY - MAX. SPAN IS 8'-0". CATWALK SHALL ALSO MEET CURRENT OSHA STD'S FOR WALKING-WORKING SURFACES.

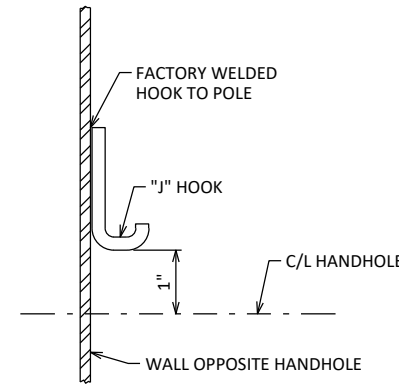
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JAN. 2023</b>			
DRAWN BY BOS		PLANS CK'D BOS	
<b>4-CHORD TRUSS FULL SPAN CATWALK DETAILS</b>		SHEET V	



**HANDHOLE DETAILS**

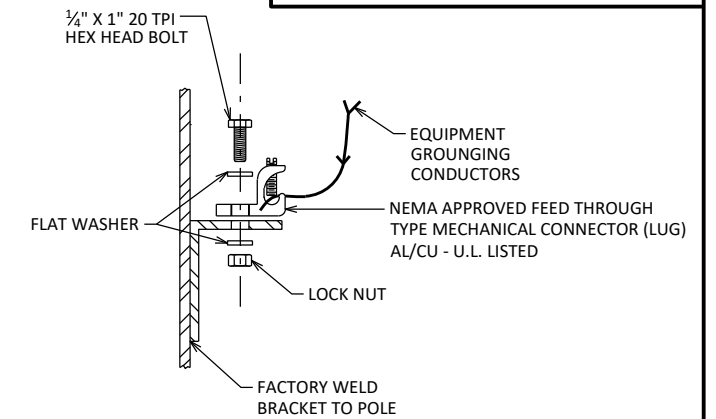
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS OTHERWISE NOTED, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



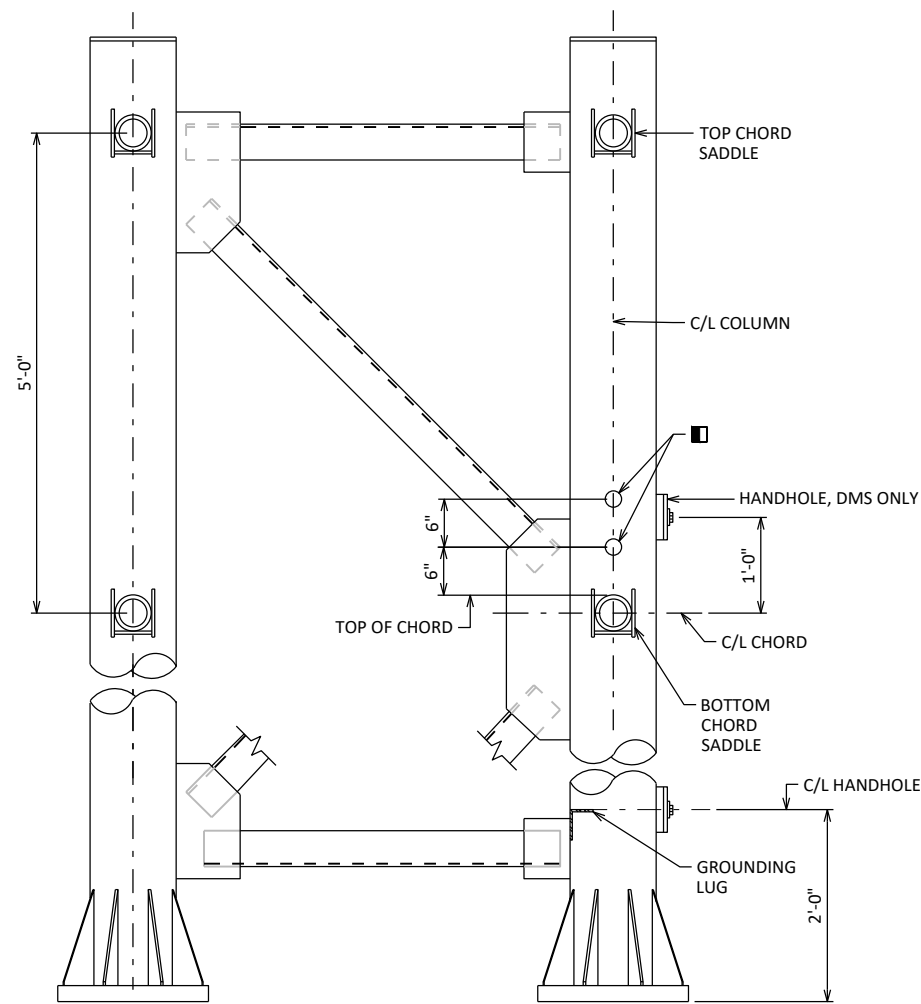
**TYPICAL "J" HOOK LOCATION**

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF THE COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



**GROUNDING LUG DETAIL**

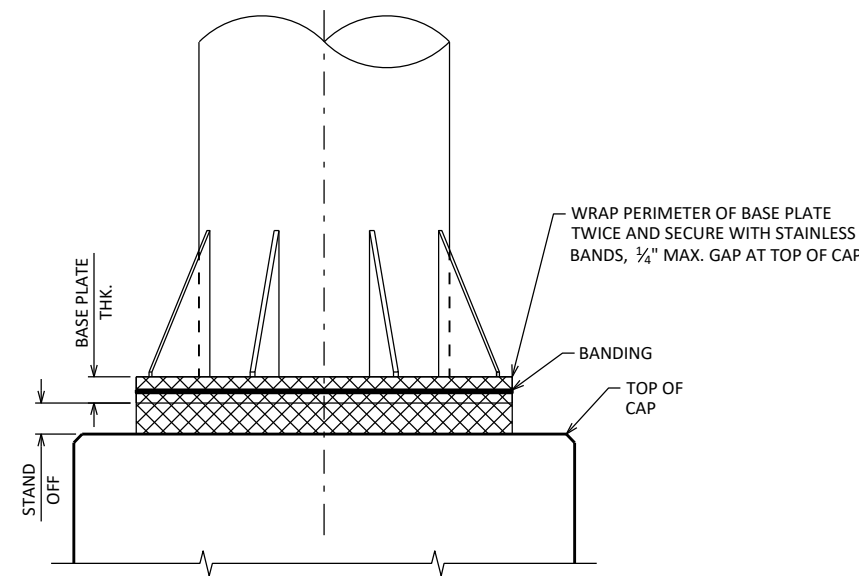
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



**CONDUIT HOLE LOCATIONS**

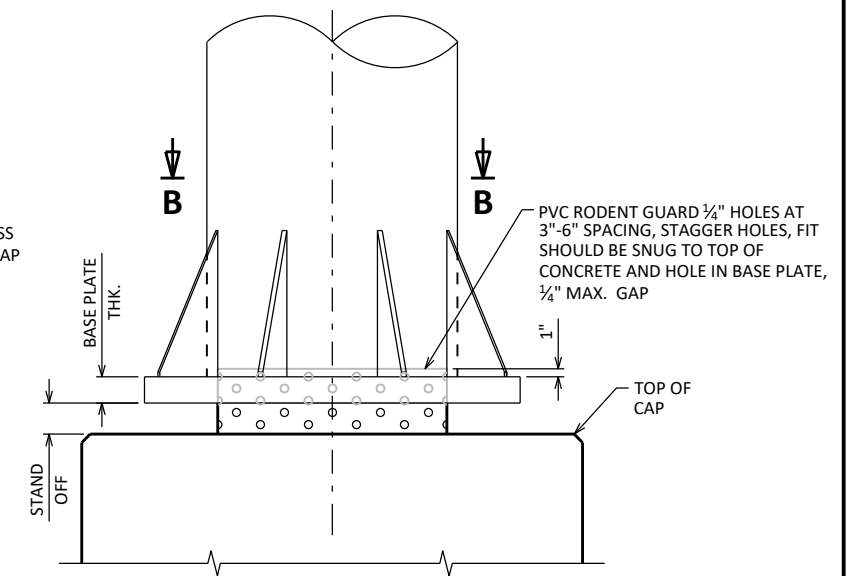
LOOKING AT INSIDE FACE OF COLUMN

2" HOLE WITH STANDARD PIPE THREADS, USE THREADED CONDUIT PLUG FOR UNUSED HOLES



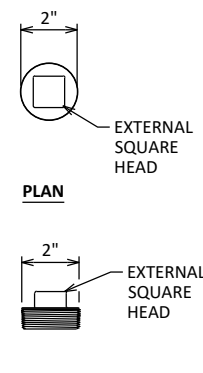
**RODENT SCREEN**

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT ANCHOR RODS NOT SHOWN

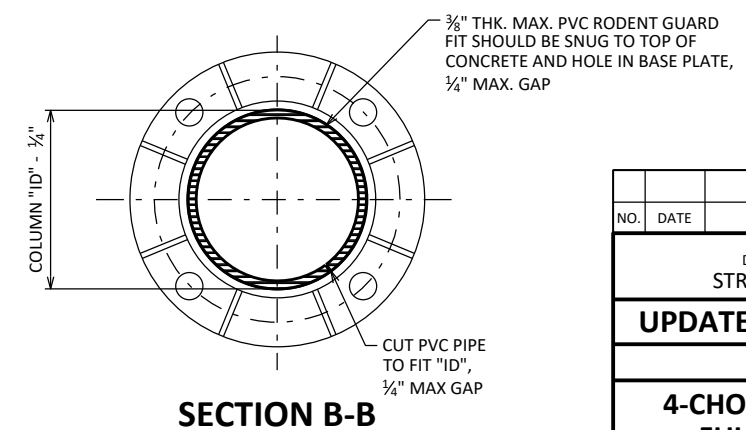


**RODENT SCREEN - ALTERNATE**

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT ANCHOR RODS NOT SHOWN

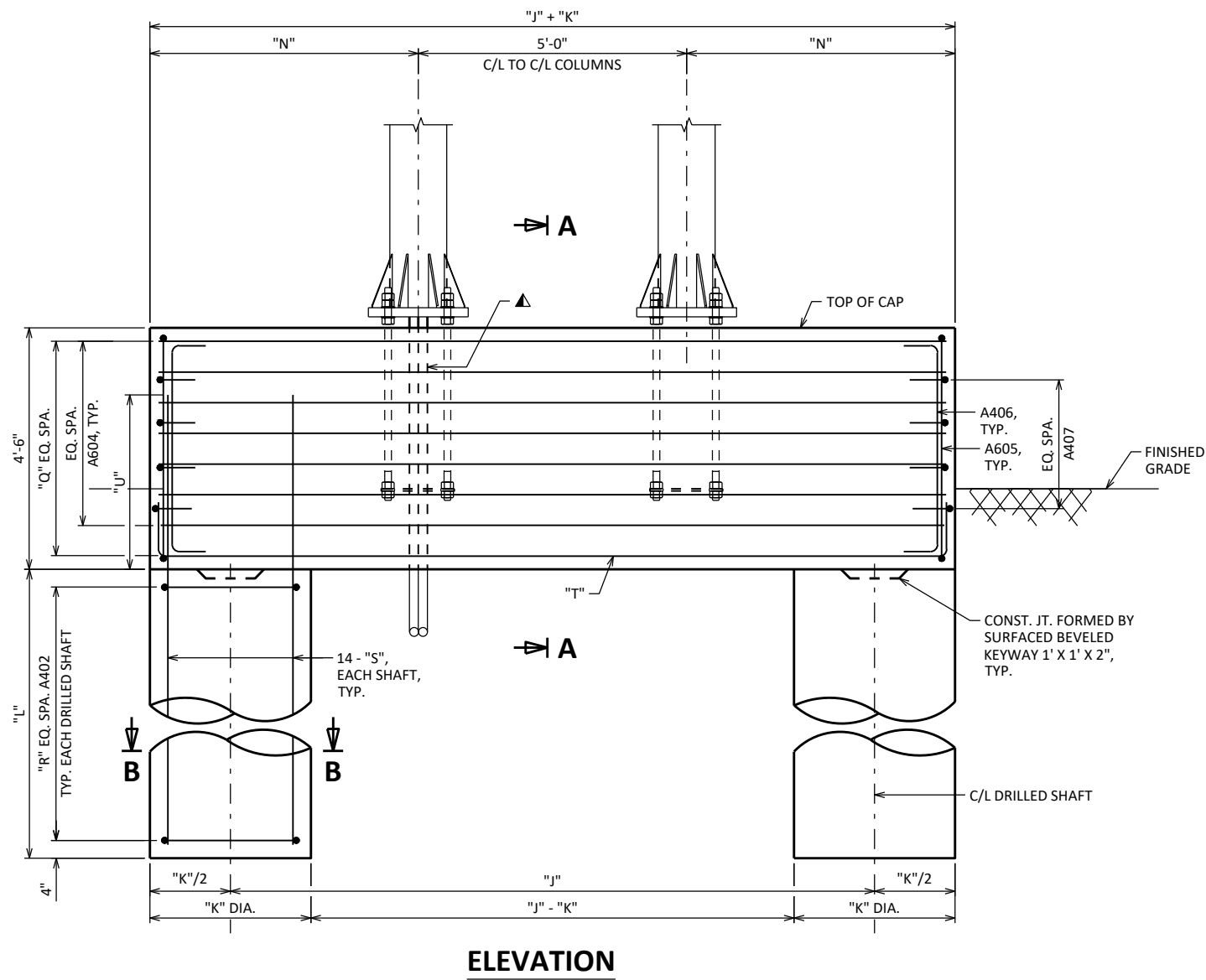


**CONDUIT PLUG DETAILS**

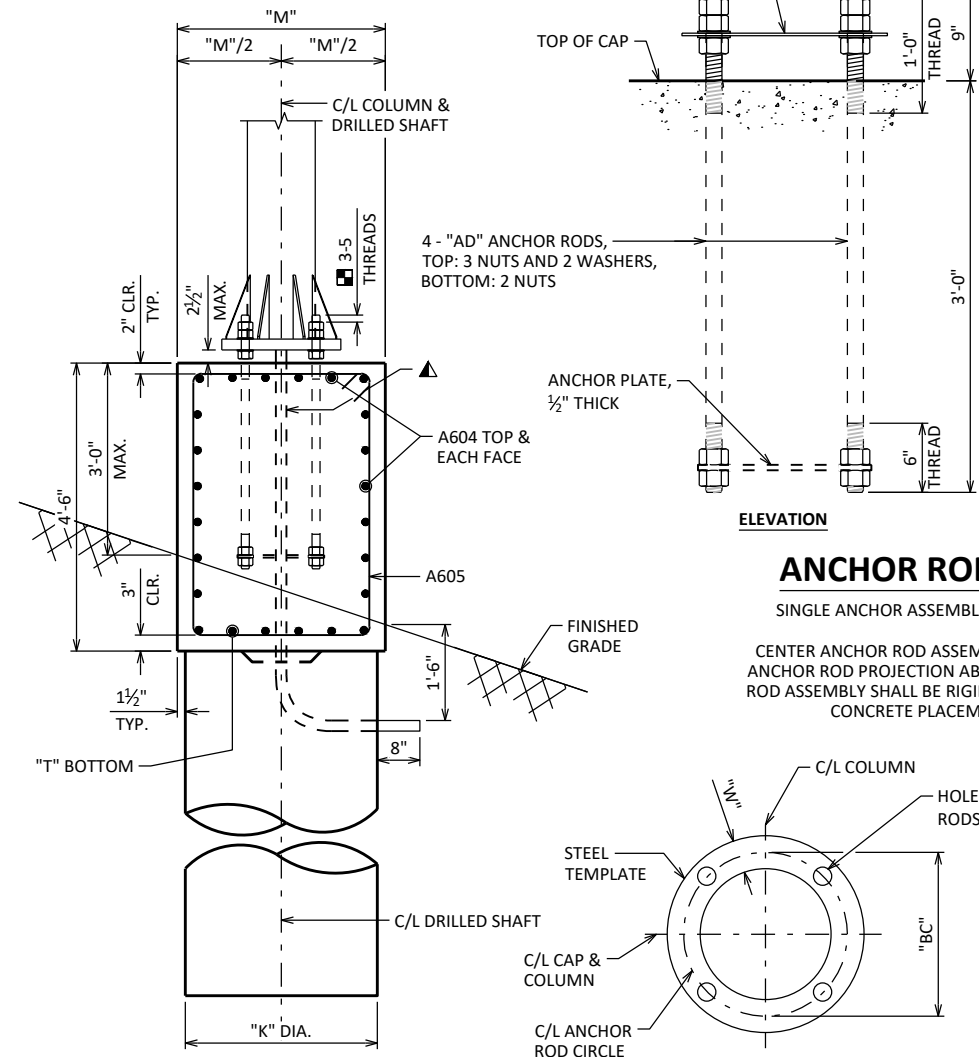


**SECTION B-B**

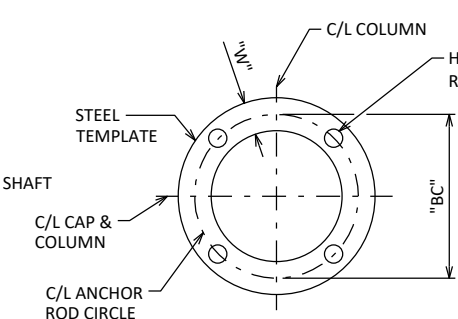
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JAN. 2023</b>			
DRAWN BY BOS		PLANS CK'D BOS	
<b>4-CHORD TRUSS FULL SPAN ELECTRICAL DETAILS</b>			SHEET VI



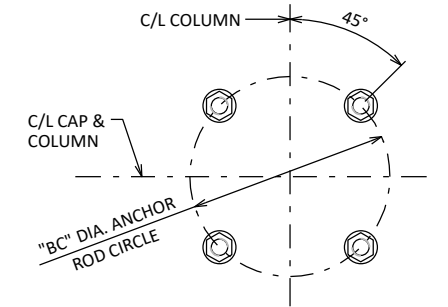
**ELEVATION**



**SECTION A-A**



**ANCHOR PLATE & TOP TEMPLATE**



**ALTERNATE ANCHOR PLATE & TOP TEMPLATE**

**ANCHOR ROD ASSEMBLY DETAILS**

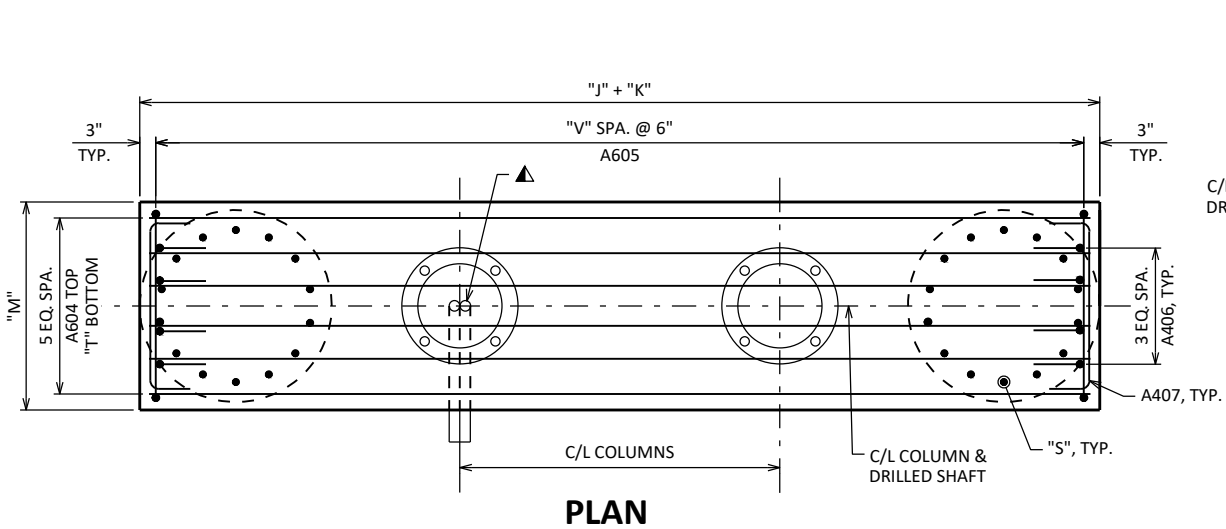
SINGLE ANCHOR ASSEMBLY SHOWN, 4 ANCHOR RODS PER ASSEMBLY  
 CENTER ANCHOR ROD ASSEMBLY AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHORS.

**FOUNDATION, REINFORCING & ANCHOR PLATE DATA**

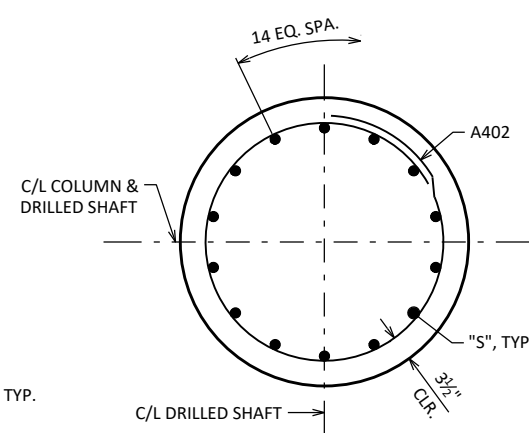
STANDARD DESIGN TYPE	FOUNDATION DIMENSIONS										ANCHOR PLATE DIMENSIONS				
	"J"	"K"	"L"	"M"	"N"	"Q"	"R"	"S"	"T"	"U"	"V"	"AD"	"BC"	"BD"	"W"
I	9'-0"	3'-0"	19'-0"	3'-3"	3'-6"	7	19	A801	A603	2'-2"	23	1 1/2"	1'-6 3/4"	1'-1 1/4"	3"
II	12'-0"	3'-0"	22'-0"	3'-3"	5'-0"	7	22	A801	A603	2'-2"	29	1 1/2"	1'-6 3/4"	1'-1 1/4"	3"
III	12'-0"	3'-6"	23'-0"	3'-9"	5'-3"	7	23	A901	A703	2'-9"	29	1 3/4"	1'-6 3/4"	1'-1 1/4"	3 1/2"
IV	15'-0"	3'-6"	23'-0"	3'-9"	6'-9"	7	23	A901	A703	2'-9"	36	1 3/4"	1'-8"	1'-2 1/8"	3 1/2"
V	15'-0"	4'-0"	23'-0"	4'-3"	7'-0"	8	23	A1001	A703	3'-5"	37	1 3/4"	1'-10"	1'-3 5/8"	3 1/2"

**LEGEND**

- ANCHOR ROD STICK OUT IN FINAL CONDITION. EXCESSIVE STICK OUT BEYOND DIMENSION SHOWN TO BE CUT OFF AFTER PLACING STRUCTURE. ANCHORS TO BE ULTRASONIC TESTED TO DETERMINE EMBEDDED LENGTH MEETS REQUIREMENTS PRIOR TO CUTTING. NOTE REMAINING LENGTH ON AS-BUILT.
- 2 - 2" DIA. NON-METALLIC CONDUITS. INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.



**PLAN**



**SECTION B-B**

TYPICAL FOR EACH DRILLED SHAFT FOOTING

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JUNE 2023</b>			
DRAWN BY		BOS	PLANS CK'D BOS
<b>4-CHORD TRUSS FULL SPAN FOUNDATIONS 1</b>		SHEET VII	

# BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

## STANDARD DESIGN TYPE I

BAR MARK	COAT	NO. * REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		56	24'-2"			DRILLED SHAFT - VERTICAL
A402		80	9'-3"	X		DRILLED SHAFT - HORIZONTAL
A603	X	12	13'-3"	X		CAP - LONGITUDINAL - BOTTOM
A604	X	36	11'-8"			CAP - LONGITUDINAL - TOP & SIDES
A605	X	48	14'-10"	X		CAP - STIRRUP
A406	X	16	4'-7"	X		CAP - VERTICAL - EACH END
A407	X	16	3'-5"	X		CAP - HORIZONTAL - EACH END

## STANDARD DESIGN TYPE II

BAR MARK	COAT	NO. * REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		56	24'-2"			DRILLED SHAFT - VERTICAL
A402		92	9'-3"	X		DRILLED SHAFT - HORIZONTAL
A603	X	12	16'-3"	X		CAP - LONGITUDINAL - BOTTOM
A604	X	36	14'-8"			CAP - LONGITUDINAL - TOP & SIDES
A605	X	60	14'-10"	X		CAP - STIRRUP
A406	X	16	4'-7"	X		CAP - VERTICAL - EACH END
A407	X	16	3'-5"	X		CAP - HORIZONTAL - EACH END

## STANDARD DESIGN TYPE III

BAR MARK	COAT	NO. * REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		56	25'-9"			DRILLED SHAFT - VERTICAL
A402		96	10'-6"	X		DRILLED SHAFT - HORIZONTAL
A703	X	12	17'-1"	X		CAP - LONGITUDINAL - BOTTOM
A604	X	36	15'-2"			CAP - LONGITUDINAL - TOP & SIDES
A605	X	62	15'-10"	X		CAP - STIRRUP
A406	X	16	4'-7"	X		CAP - VERTICAL - EACH END
A407	X	16	3'-11"	X		CAP - HORIZONTAL - EACH END

## STANDARD DESIGN TYPE IV

BAR MARK	COAT	NO. * REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		56	25'-9"			DRILLED SHAFT - VERTICAL
A402		96	10'-6"	X		DRILLED SHAFT - HORIZONTAL
A703	X	12	20'-1"	X		CAP - LONGITUDINAL - BOTTOM
A604	X	36	18'-2"			CAP - LONGITUDINAL - TOP & SIDES
A605	X	74	15'-10"	X		CAP - STIRRUP
A406	X	16	4'-7"	X		CAP - VERTICAL - EACH END
A407	X	16	3'-11"	X		CAP - HORIZONTAL - EACH END

## STANDARD DESIGN TYPE V

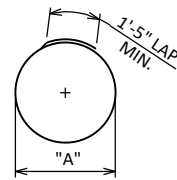
BAR MARK	COAT	NO. * REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		56	26'-5"			DRILLED SHAFT - VERTICAL
A402		96	12'-1"	X		DRILLED SHAFT - HORIZONTAL
A703	X	12	20'-7"	X		CAP - LONGITUDINAL - BOTTOM
A604	X	36	18'-8"			CAP - LONGITUDINAL - TOP & SIDES
A605	X	76	16'-10"	X		CAP - STIRRUP
A406	X	16	4'-7"	X		CAP - VERTICAL - EACH END
A407	X	16	4'-5"	X		CAP - HORIZONTAL - EACH END

\* VALUES SHOWN ARE FOR BOTH FOUNDATIONS, DIVIDE VALUES BY 2 IF A STANDARD FOUNDATION IS USED WITH A NON-STANDARD FOUNDATION.

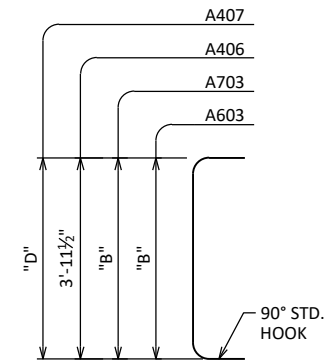
STATE PROJECT NUMBER

STANDARD

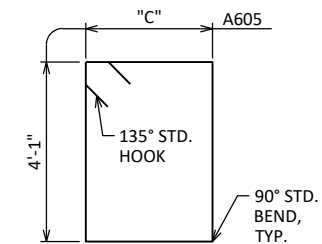
STANDARD DESIGN TYPE	"A"	"B"	"C"	"D"
I	2'-5"	11'-7"	2'-11"	2'-9½"
II	2'-5"	14'-7"	2'-11"	2'-9½"
III	2'-11"	15'-1"	3'-5"	3'-3½"
IV	2'-11"	18'-1"	3'-5"	3'-3½"
V	3'-5"	18'-7"	3'-11"	3'-9½"



A402



A603, A703, A406, A407



A605

## ESTIMATED QUANTITIES - FOUNDATION

STANDARD DESIGN TYPE	CONCRETE MASONRY	STEEL REINFORCEMENT HS	STEEL REINFORCEMENT HS COATED	ANCHOR ASSEMBLY 1½-INCH	ANCHOR ASSEMBLY 1¾-INCH	FOUNDATION DRILLING (DIA.) (LF)		
	(CY)	(LBS)	(LBS)	(EACH)	(EACH)	36"	42"	48"
I	33	4,110	2,020	4	---	76	---	---
II	40	4,180	2,510	4	---	88	---	---
III	53	5,280	2,800	---	4	---	92	---
IV	56	5,750	3,320	---	4	---	92	---
V	70	7,140	3,530	---	4	---	---	92

\* \* QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS. \* \*  
VALUES SHOWN ARE FOR BOTH FOUNDATIONS, DIVIDE VALUES BY 2 IF A STANDARD FOUNDATION IS USED WITH A NON-STANDARD FOUNDATION.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
<b>UPDATED: JAN. 2023</b>			
DRAWN BY BOS		PLANS CK'D BOS	
<b>4-CHORD TRUSS FULL SPAN FOUNDATIONS 2</b>		SHEET VIII	

SCALE = 1:0