INDEX

GENERAL NOTES:

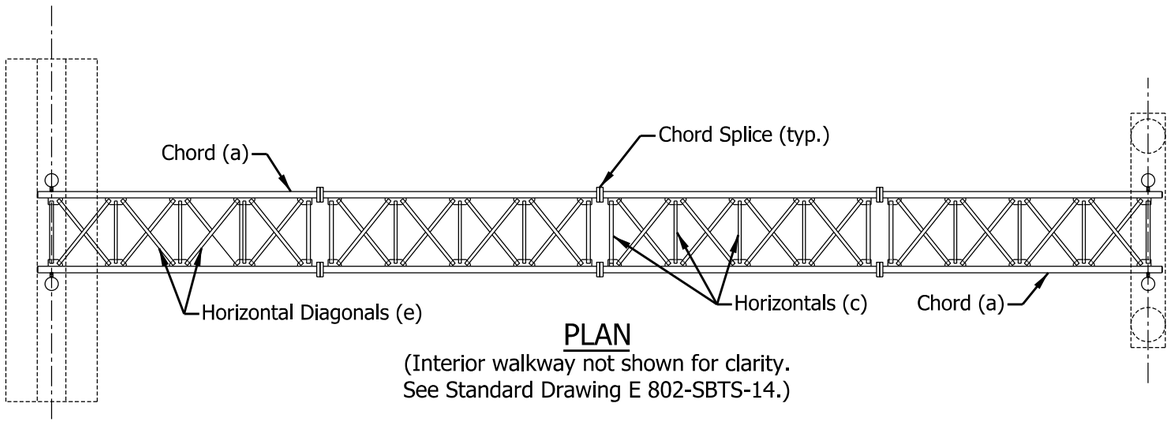
1. All truss members, walkways, bearing elements, and wire outlets are aluminum. End-support members are steel.
2. I.D. plate is required on each end-support column.
3. Minimum concrete strength f'c = 3500 psi.
4. Thread and cap both ends of steel conduits.

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE EXTENDED SPAN DRAWING INDEX AND GENERAL NOTES

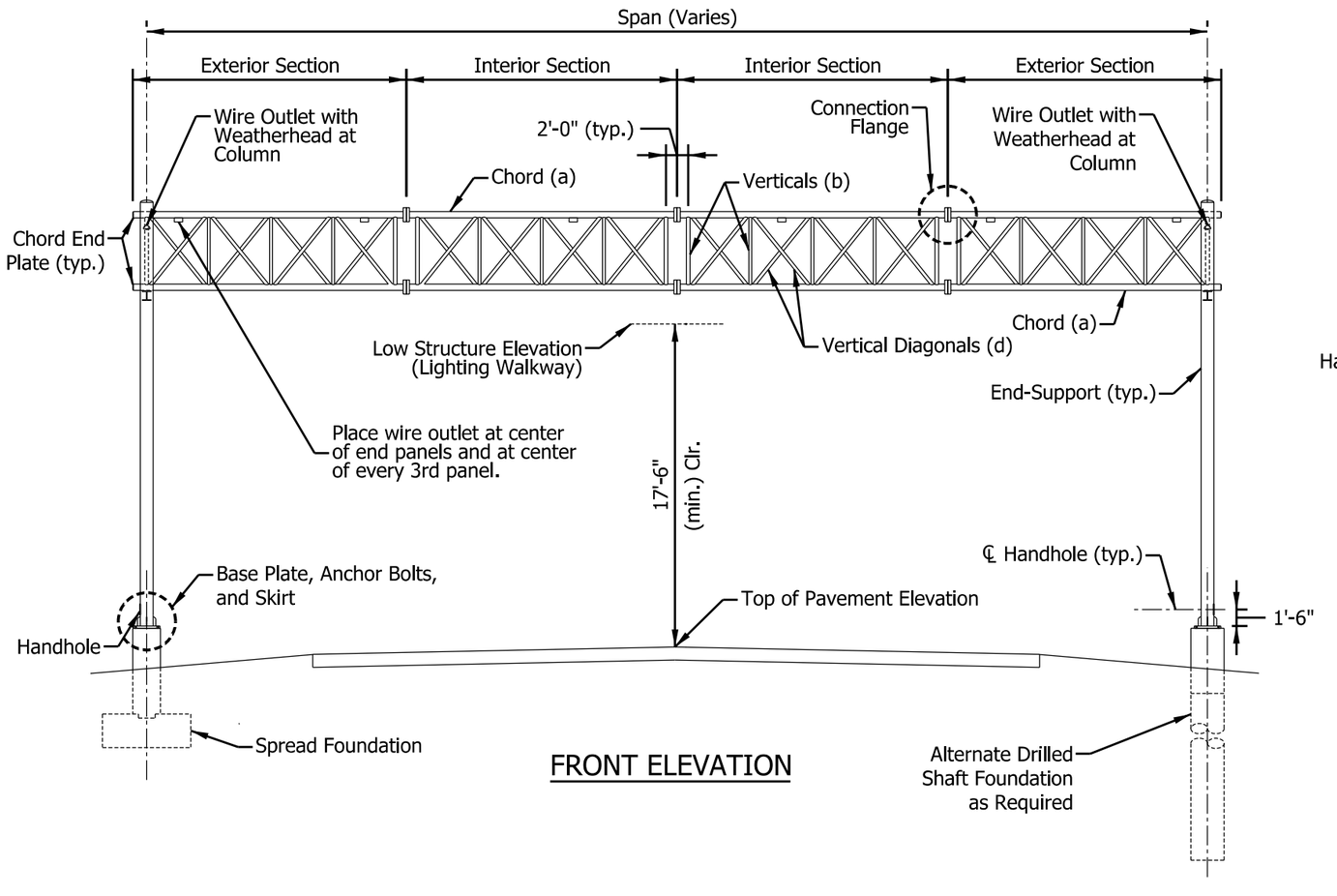
EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

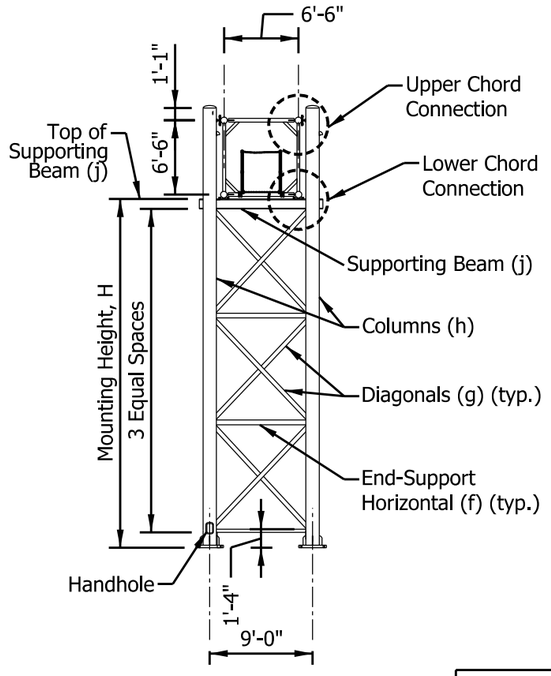


PLAN

(Interior walkway not shown for clarity.
See Standard Drawing E 802-SBTS-14.)



FRONT ELEVATION



END-SUPPORT
SIDE VIEW

NOTES:

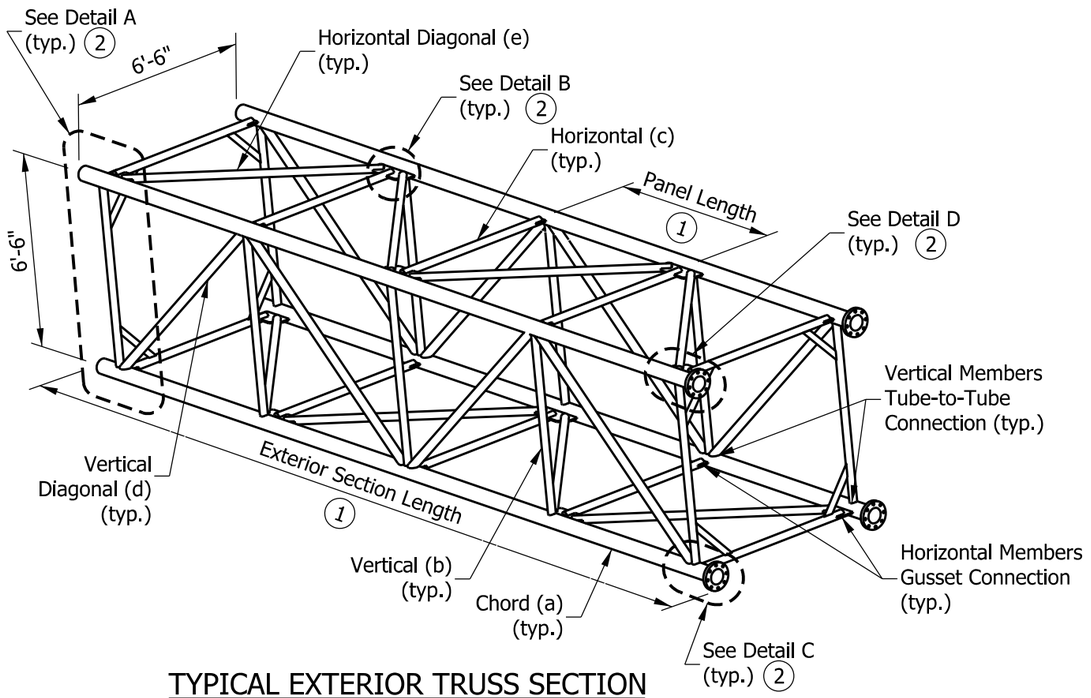
1. Maximum deviation of any chord from a straight line in any section shall be 1/8 in. for box truss to be a maximum of 3/8 in. out of a straight line over the entire length of the structure in the vertical plane.

INDIANA DEPARTMENT OF TRANSPORTATION

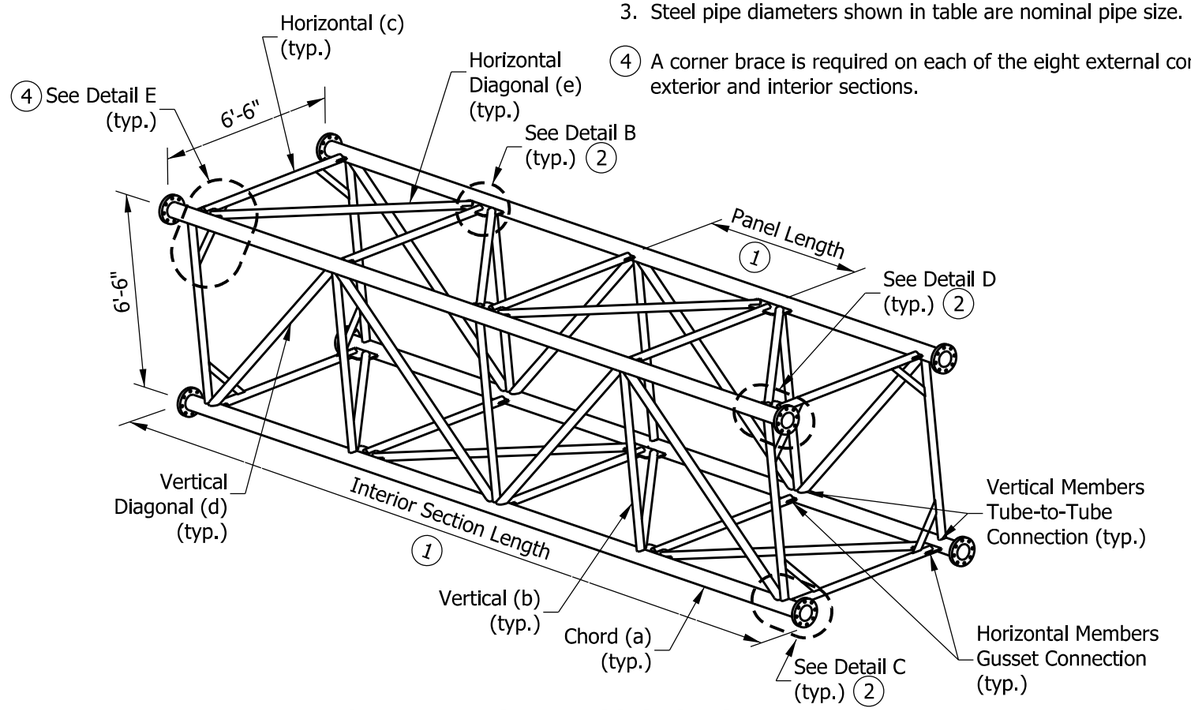
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN PLAN & ELEVATION

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d



TYPICAL EXTERIOR TRUSS SECTION



TYPICAL INTERIOR TRUSS SECTION

NOTES:

(1) Number of panels varies. See table on Standard Drawing E 802-SBTX-04 for recommended dimensions.

(2) See Standard Drawing E 802-SBTX-05 for welded connections and Details A through F.

3. Steel pipe diameters shown in table are nominal pipe size.

(4) A corner brace is required on each of the eight external corners of exterior and interior sections.

TRUSS TYPE	MAX. SIGN AREA	MAX. SPAN	MAX. MOUNTING HEIGHT	TRUSS MEMBERS, ALUMINUM										END-SUPPORT MEMBERS, STEEL						
				CHORD		VERTICAL		HORIZONTAL		VERTICAL DIAGONAL		HORIZONTAL DIAGONAL		HORIZONTAL		DIAGONAL		COLUMN		SUPPORTING BEAM
			H	a		b		c		d		e		f		g		h		j
				DIA.	THK	DIA.	THK	DIA.	THK	DIA.	THK	DIA.	THK	DIA.	THK	DIA.	THK	DIA.	THK	
	SQ. FT.	FT.	FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	
F	1200	130	28'-6"	7.00	0.500	3.00	0.375	4.00	0.375	3.00	0.500	4.00	0.500	5.00	0.375	8.00	0.593	18.00	0.562	W 10 x 68 or HSS 10" x 10" x 1/2"
G		142	28'-6"	7.50	0.500	4.00	0.375	4.00	0.375	4.00	0.500	4.00	0.500	5.00	0.375	8.00	0.593	18.00	0.562	
H		154	28'-6"	9.00	0.500	4.00	0.500	4.00	0.375	4.00	0.500	4.00	0.500	5.00	0.375	8.00	0.593	18.00	0.562	

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TRUSS SECTIONS
IN ISOMETRIC VIEWS,
TABLE WITH MEMBER SIZES

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

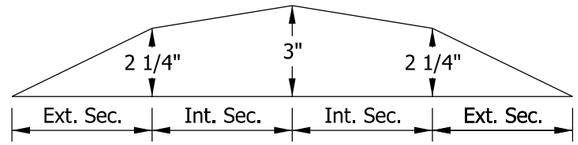
RECURRING PLAN DETAIL NO. 802-T-222d

DIMENSIONS FOR SIGN BOX TRUSSES (130' THRU 154')

SPAN	EXTERIOR SECTIONS					INTERIOR SECTIONS			
SPAN-TRUSS LENGTH, (FT)	NO. OF EXT. SECTIONS	NO. OF PANELS PER SECTION	VARIABLE END DIMEN.	PANEL LENGTH	SECTION LENGTH	NO. OF INT. SECTIONS	NO. OF PANELS PER SECTION	PANEL LENGTH	SECTION LENGTH
130	2	5	0" - 6 1/2"	6'-1 3/4"	33'-0 1/4"	2	5	6'-1 3/4"	32'-8 3/4"
131	2	5	0" - 6 1/4"	6'-2 3/8"	33'-3 1/8"	2	5	6'-2 3/8"	32'-11 7/8"
132	2	5	0" - 6"	6'-3"	33'-6"	2	5	6'-3"	33'-3"
133	2	5	0" - 7"	6'-3 1/2"	33'-9 1/2"	2	5	6'-3 1/2"	33'-5 1/2"
134	2	5	0" - 6 3/4"	6'-4 1/8"	34'-0 3/8"	2	5	6'-4 1/8"	33'-8 5/8"
135	2	5	0" - 6 1/2"	6'-4 3/4"	34'-3 1/4"	2	5	6'-4 3/4"	33'-11 3/4"
136	2	5	0" - 6 1/4"	6'-5 3/8"	34'-6 1/8"	2	5	6'-5 3/8"	34'-2 7/8"
137	2	5	0" - 6"	6'-6"	34'-9"	2	5	6'-6"	34'-6"
138	2	6	0" - 6 7/8"	5'-11 3/8"	38'-0 1/8"	2	5	5'-11 3/8"	31'-8 7/8"
139	2	6	0" - 7 3/8"	5'-11 7/8"	38'-3 5/8"	2	5	5'-11 7/8"	31'-11 3/8"
140	2	6	0" - 6 1/2"	6'-0 1/2"	38'-6 1/2"	2	5	6'-0 1/2"	32'-2 1/2"
141	2	6	0" - 7"	6'-1"	38'-10"	2	5	6'-1"	32'-5"
142	2	6	0" - 6 1/8"	6'-1 5/8"	39'-0 7/8"	2	5	6'-1 5/8"	32'-8 1/8"
143	2	6	0" - 6 5/8"	6'-2 1/8"	39'-4 3/8"	2	5	6'-2 1/8"	32'-10 5/8"
144	2	6	0" - 7 1/8"	6'-2 5/8"	39'-7 7/8"	2	5	6'-2 5/8"	33'-1 1/8"
145	2	6	0" - 6 1/4"	6'-3 1/4"	39'-10 3/4"	2	5	6'-3 1/4"	33'-4 1/4"
146	2	6	0" - 6 3/4"	6'-3 3/4"	40'-2 1/4"	2	5	6'-3 3/4"	33'-6 3/4"
147	2	6	0" - 5 7/8"	6'-4 3/8"	40'-5 1/8"	2	5	6'-4 3/8"	33'-9 7/8"
148	2	6	0" - 6 3/8"	6'-4 7/8"	40'-8 5/8"	2	5	6'-4 7/8"	34'-0 3/8"
149	2	6	0" - 6 7/8"	6'-5 3/8"	41'-0 1/8"	2	5	6'-5 3/8"	34'-2 7/8"
150	2	6	0" - 7 1/2"	5'-11 3/8"	38'-0 3/4"	2	6	5'-11 3/8"	37'-8 1/4"
151	2	6	0" - 7 1/2"	5'-11 7/8"	38'-3 3/4"	2	6	5'-11 7/8"	37'-11 1/4"
152	2	6	0" - 6"	6'-0 1/2"	38'-6"	2	6	6'-0 1/2"	38'-3"
153	2	6	0" - 6"	6'-1"	38'-9"	2	6	6'-1"	38'-6"
154	2	6	0" - 6"	6'-1 1/2"	39'-0"	2	6	6'-1 1/2"	38'-9"

NOTES:

1. All panels on a truss shall be the same length. The minimum panel length is 5 ft. 0 in. and the maximum is 6 ft. 6 in.
2. Use minimum number of sections for each box truss structure.
3. Camber diagrams for truss structures with 4 sections is shown. Cambers shown are for fabrication only and are measured with trusses fully supported at no-load conditions. Allowable camber tolerance for truss is 25% of specific camber value.



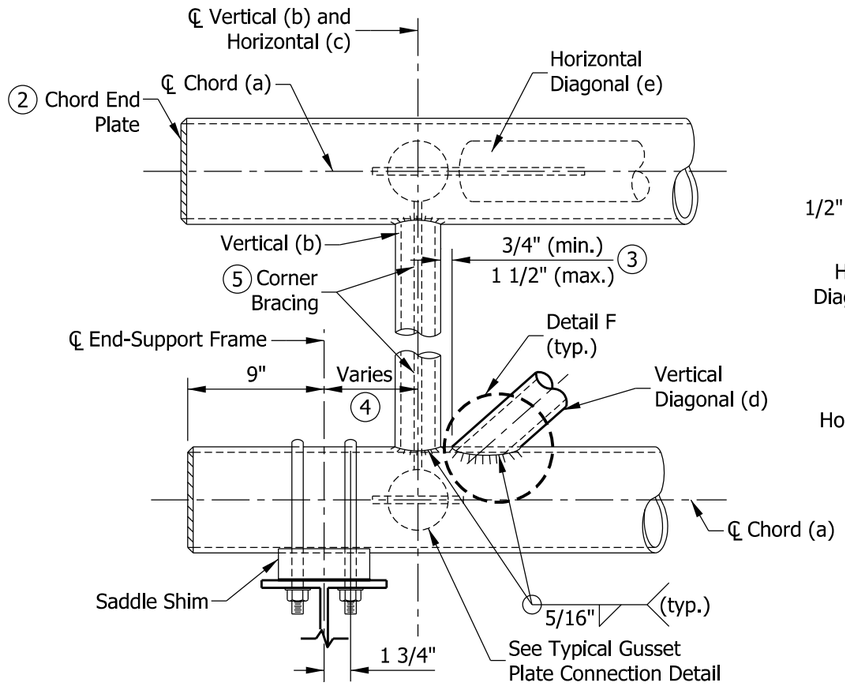
CAMBER DIAGRAM (4-Section Truss)

INDIANA DEPARTMENT OF TRANSPORTATION

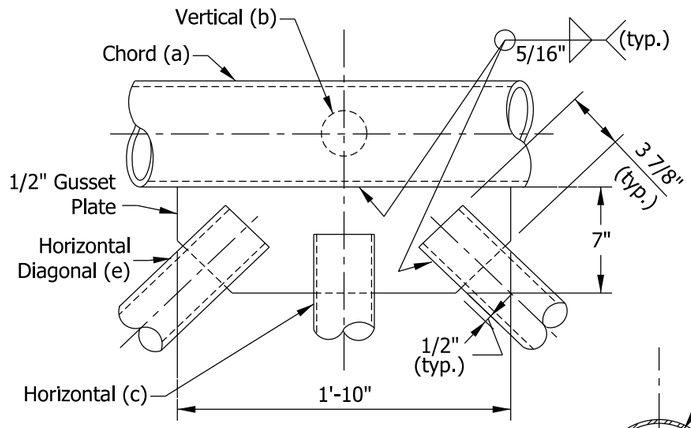
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TABLE OF DIMENSIONS,
SPANS 130' THRU 154' AND CAMBER

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

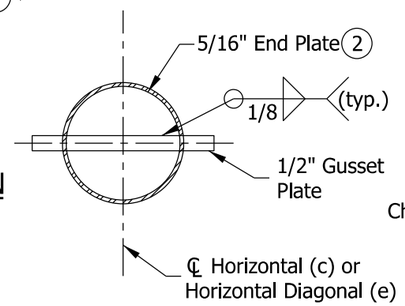
RECURRING PLAN DETAIL NO. 802-T-222d



DETAIL A
EXTERIOR SECTION AT END SUPPORT



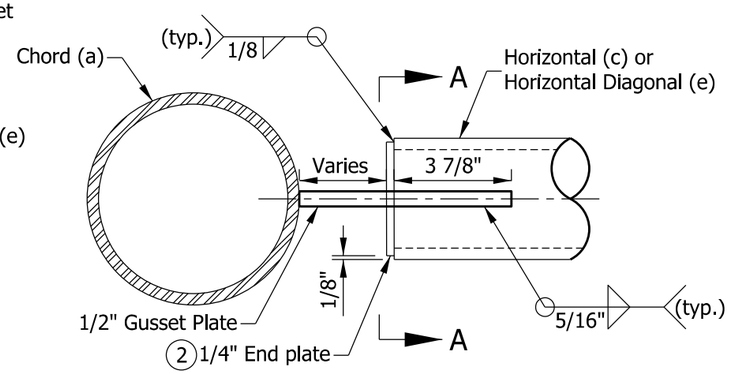
DETAIL B
TYPICAL PANEL CONNECTION
PLAN VIEW



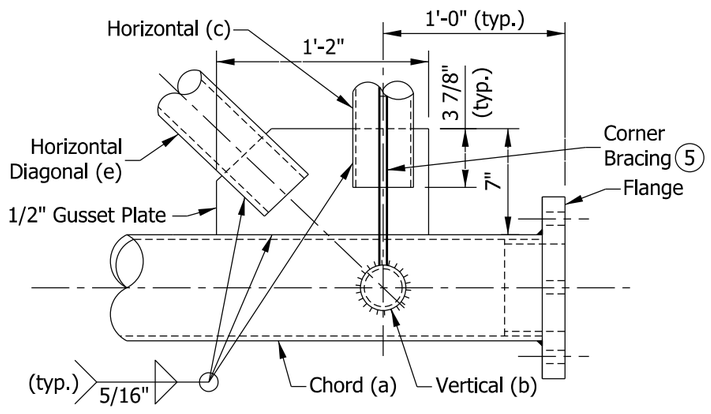
SECTION A-A

NOTES:

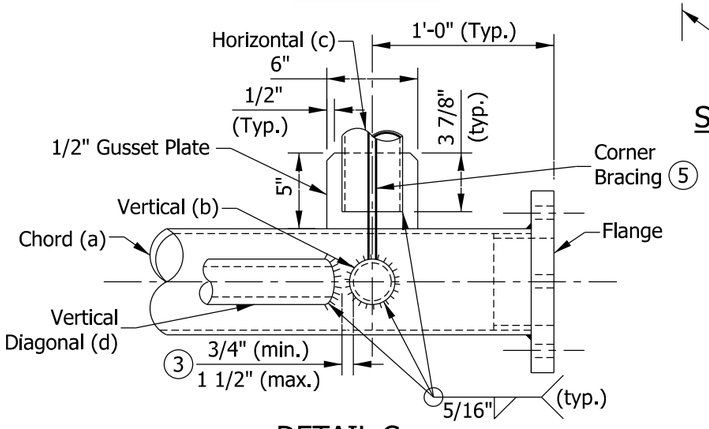
1. All bracing members shall be machined to provide a snug fit to the chord along the entire edge of bracing member before welding.
2. End plate at horizontal (c) and horizontal diagonal (e) may be welded as one piece and slotted or welded as two pieces after slotting the member.
3. Vertical and horizontal diagonals shall be fabricated for minimum offset from the panel point offset to provide a 3/4 in. minimum to 1 1/2 in. maximum clearance between any diagonal and any horizontal or vertical member.
4. See Standard Drawing E 802-SBTX-04 for variable end dimension
5. Each brace member to be 3 in. x 1ft. 9in. x 1/2 in. plate and placed at 45° to vertical.



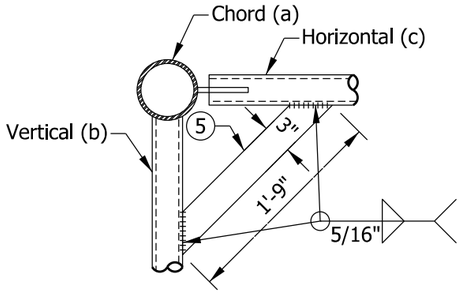
TYPICAL GUSSET PLATE CONNECTION DETAIL
ELEVATION VIEW



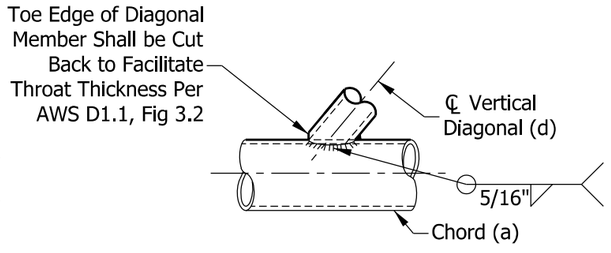
DETAIL D
CHORD AT FLANGE CONNECTION
PLAN VIEW



DETAIL C
CHORD AT FLANGE CONNECTION
PLAN VIEW



DETAIL E
TYPICAL CORNER BRACING



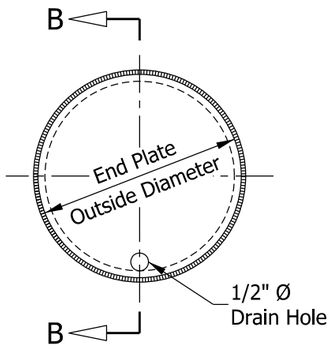
DETAIL F

INDIANA DEPARTMENT OF TRANSPORTATION

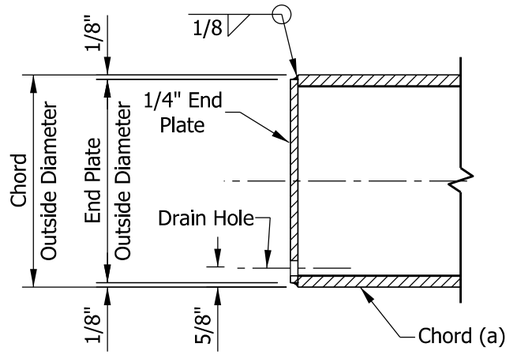
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN CHORD CONNECTIONS
AND WELD DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

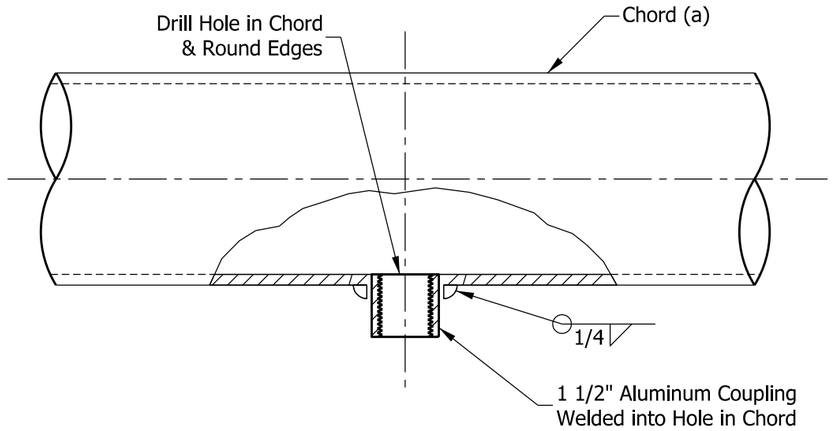


END VIEW

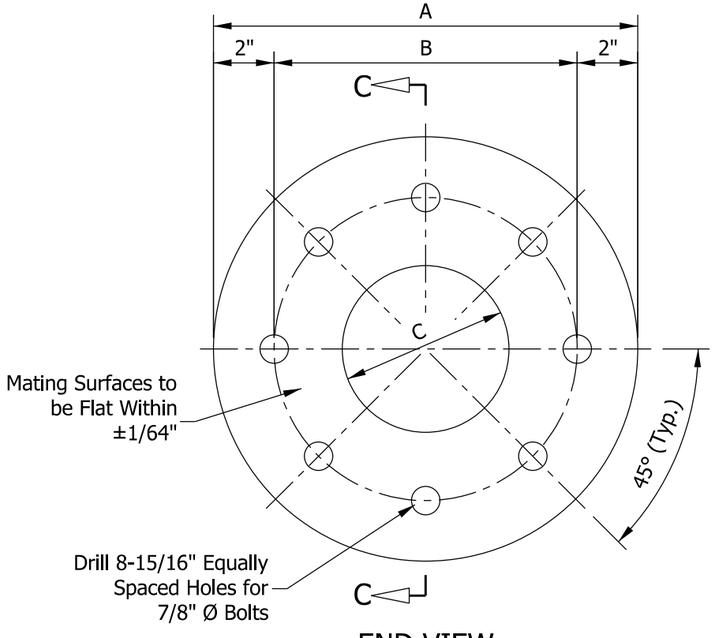


SECTION B-B

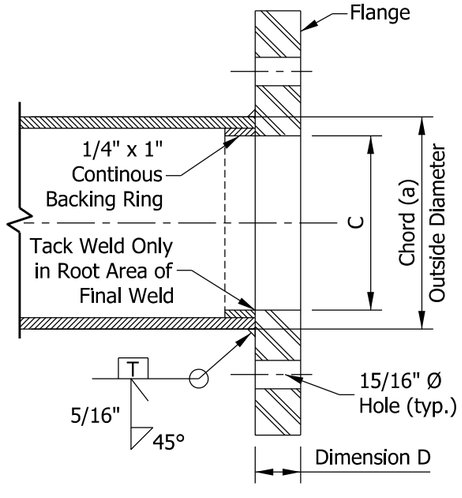
CHORD END PLATE DETAILS



WIRE OUTLET DETAIL



END VIEW



SECTION C-C

FLANGE DETAILS

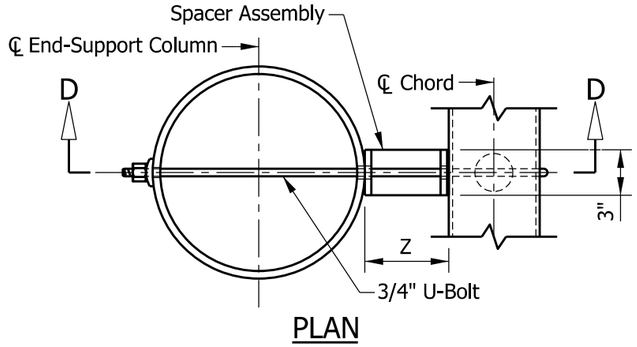
TABLE OF FLANGE DIMENSIONS						
TRUSS TYPE	TRUSS CHORD O.D. x THK.	BOLT SIZE	DIMENSION			
			A	B	C	D
F	7" x 1/2"	7/8"	14"	10"	5 1/2"	1 3/4"
G	7 1/2" x 1/2"	7/8"	14 1/2"	10 1/2"	6"	2"
H	9" x 1/2"	7/8"	16"	12"	7 1/2"	2"

INDIANA DEPARTMENT OF TRANSPORTATION

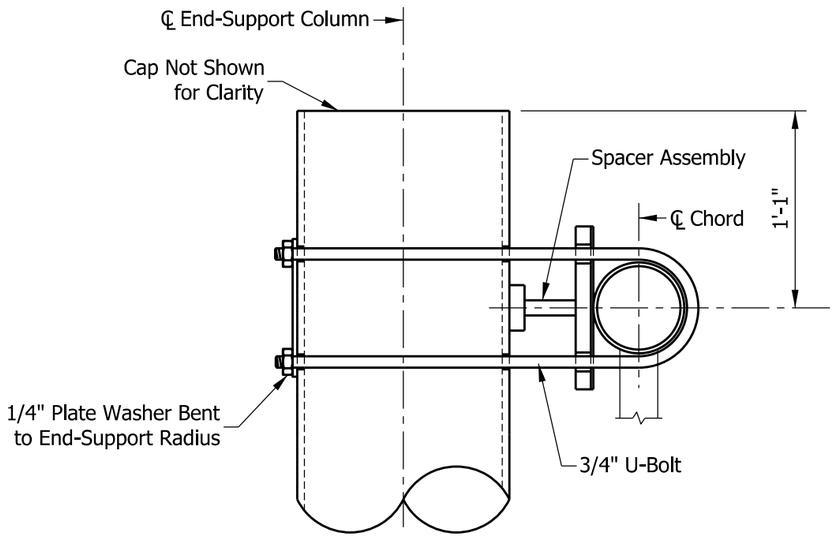
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN FLANGE,
CHORD END PLATE, AND WIRE OUTLET DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

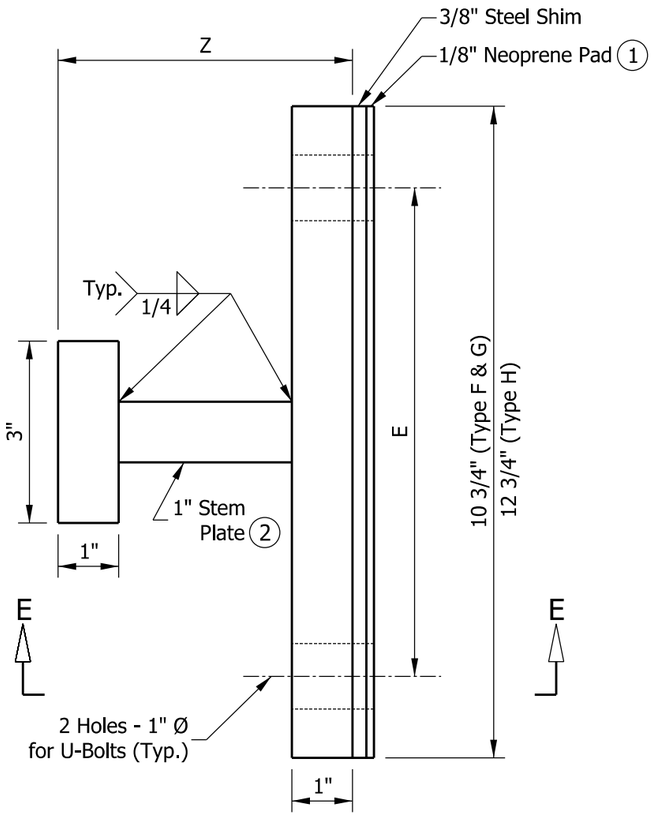
RECURRING PLAN DETAIL NO. 802-T-222d



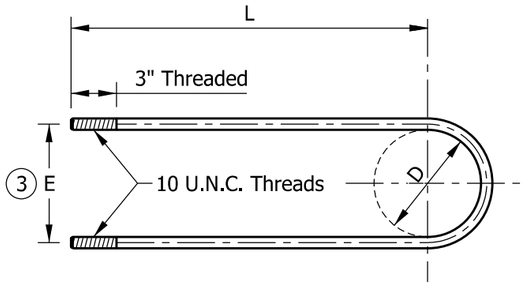
PLAN



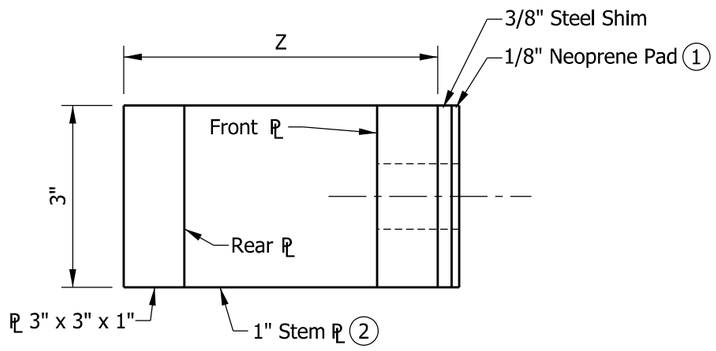
SECTION D-D
UPPER CHORD CONNECTION DETAILS



ELEVATION
END SUPPORT SPACER ASSEMBLY DETAIL



3/4" DIA. STAINLESS STEEL U-BOLT DETAIL



SECTION E-E

NOTES:

(1) Provide isolation from steel-dissimilar metal as required.

(2) For trusses, type F, the 1 in. stem plate is not required. Fillet weld front and rear plates together. Spacer assembly is not required for Truss Type G & H.

(3) Dimension E is equal to the diameter of chord (a) plus 1 in.

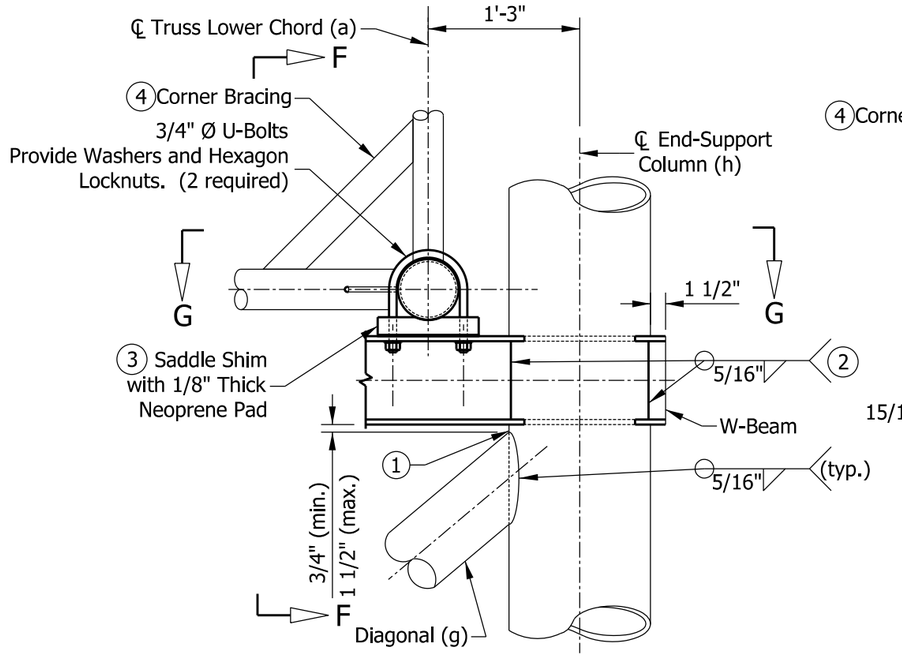
SPACER ASSEMBLY DIMENSIONS						
TRUSS TYPE	END-SUPPORT COLUMN SIZE O.D (h)	CHORD O. D. (a)	Ø OF U-BOLT BEND (D)	E	Z	L
F	18"	7"	7 1/16"	8"	2"	26"
G	18"	7 1/2"	7 9/16"	8 1/2"	1 3/4"	26"
H	18"	9"	9 1/16"	10"	1"	26"

INDIANA DEPARTMENT OF TRANSPORTATION

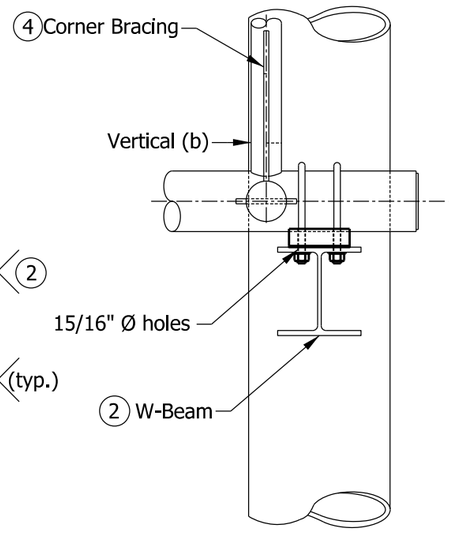
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT
UPPER CHORD CONNECTION DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

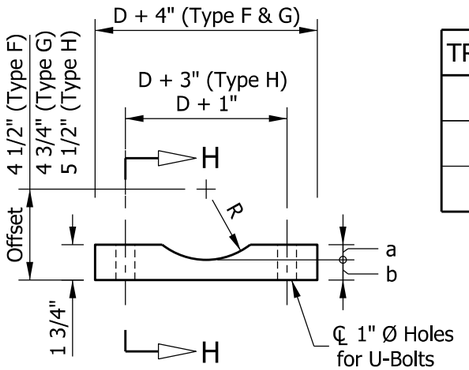
RECURRING PLAN DETAIL NO. 802-T-222d

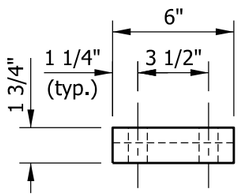


LOWER CHORD CONNECTION DETAIL

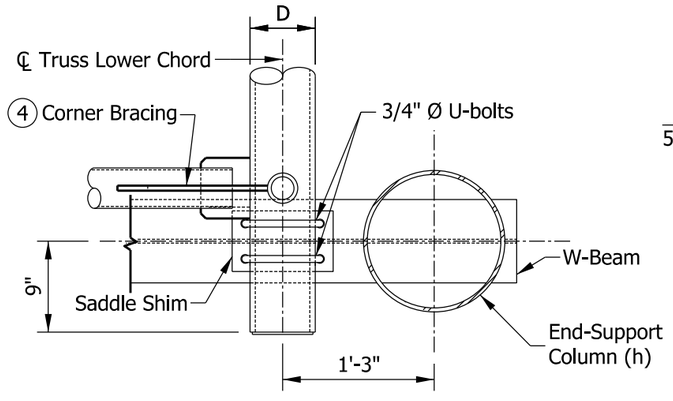


SECTION F-F

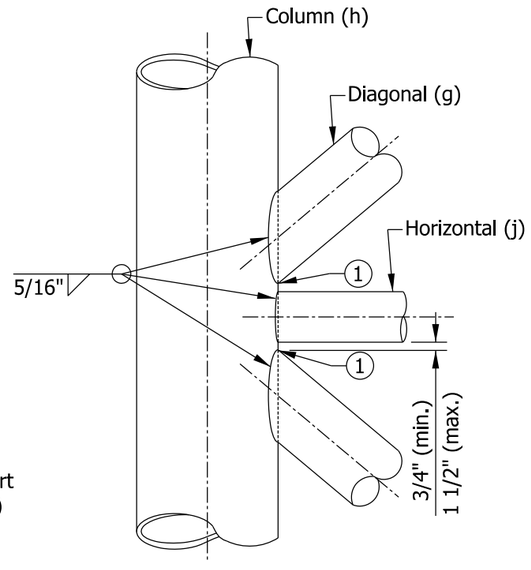




SECTION H-H
SADDLE SHIM DETAIL



SECTION G-G



ELEVATION (END-SUPPORT)
TYPICAL BRACING MEMBERS CONNECTION

NOTES:

1. Toe edge of diagonal member shall be cut back to facilitate throat thickness. See Standard Drawing E 802-SBTX-05, detail F.
2. Cut holes in end support columns for W-beams to pass through. Holes have 1/8 in. maximum clearance to W-beam. Hole in opposite sides of column to be checked for proper alignment prior to cutting.
3. Provide neoprene pads at all chord-to-W-beam bearing surfaces.
4. A corner brace is required on each of the eight external corners of exterior and interior sections. Each brace shall be 1 ft. 9 in. x 3 in. x 1/2 in. See Standard Drawing E 802-SBTX-05, detail E.

TRUSS TYPE	D	a	b
F	7"	25/32"	31/32"
G	7 1/2"	25/32"	31/32"
H	9"	25/32"	31/32"

R = D/2 + 1/32"

R + b = Offset

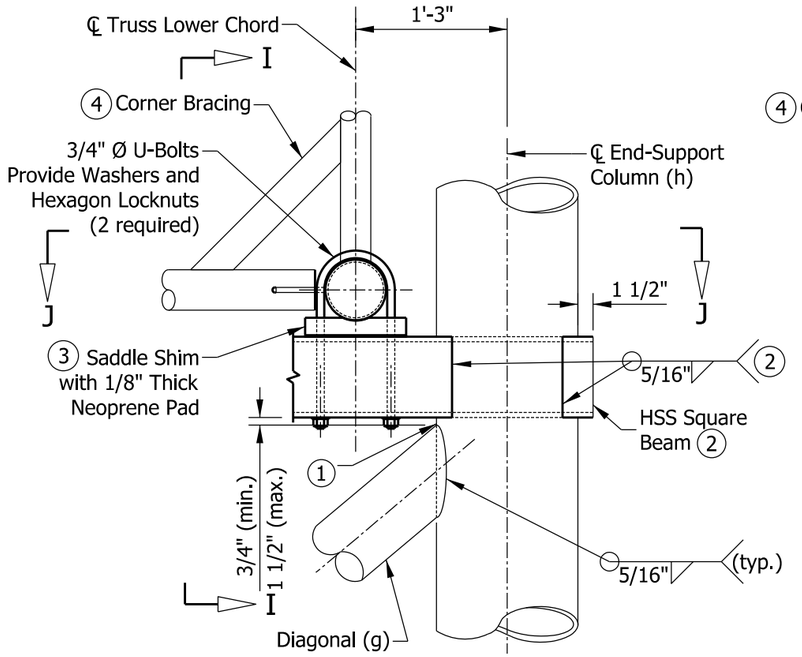
D = Outside Diameter of Chord(a).

INDIANA DEPARTMENT OF TRANSPORTATION

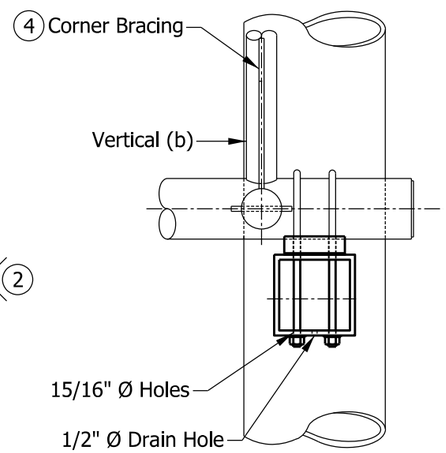
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT
LOWER CHORD CONNECTION
AND SADDLE SHIM DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d



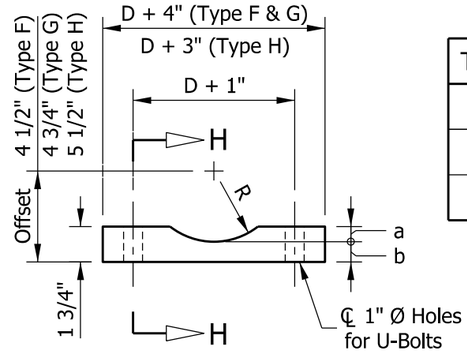
LOWER CHORD CONNECTION DETAIL



SECTION I-I

NOTES:

1. Toe edge of diagonal member shall be cut back to facilitate throat thickness. See Standard Drawing E 802-SBTX-05, Detail F.
2. Cut holes in end support columns for square beams to pass through. Holes to have 1/8 in. maximum clearance to square beam. Holes in opposite sides of column to be checked for proper alignment prior to cutting.
3. Provide neoprene pads at all chord-to-square-beam bearing surfaces.
4. A corner brace is required on each of the eight external corners of exterior and interior sections. See Standard Drawing E 802-SBTX-05, Detail E.

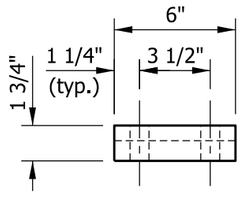


TRUSS TYPE	D	a	b
F	7"	25/32"	31/32"
G	7 1/2"	25/32"	31/32"
H	9"	25/32"	31/32"

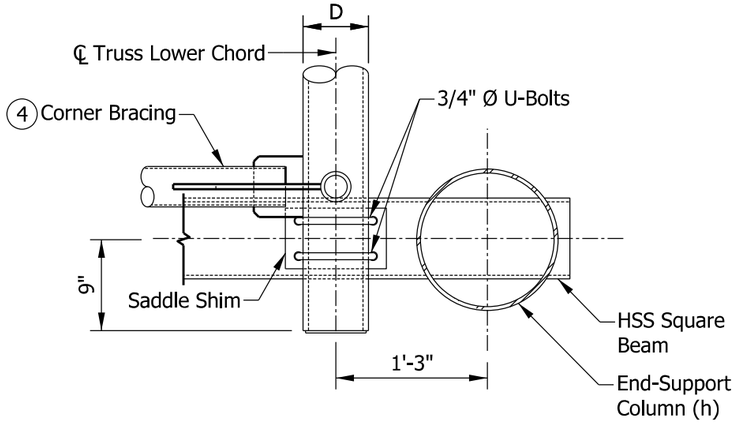
R = D/2 + 1/32"

R + b = Offset

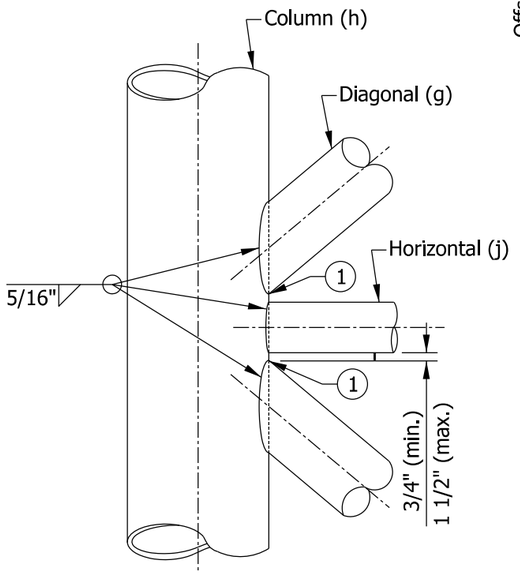
D = Outside Diameter of Chord(a).



SECTION H-H
SADDLE SHIM DETAIL



SECTION J-J



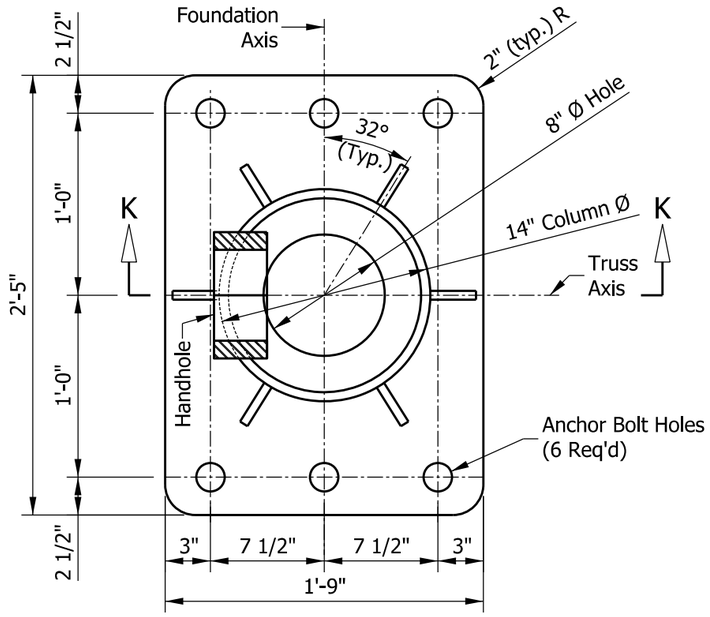
ELEVATION (END-SUPPORT)
TYPICAL BRACING MEMBERS CONNECTION

INDIANA DEPARTMENT OF TRANSPORTATION

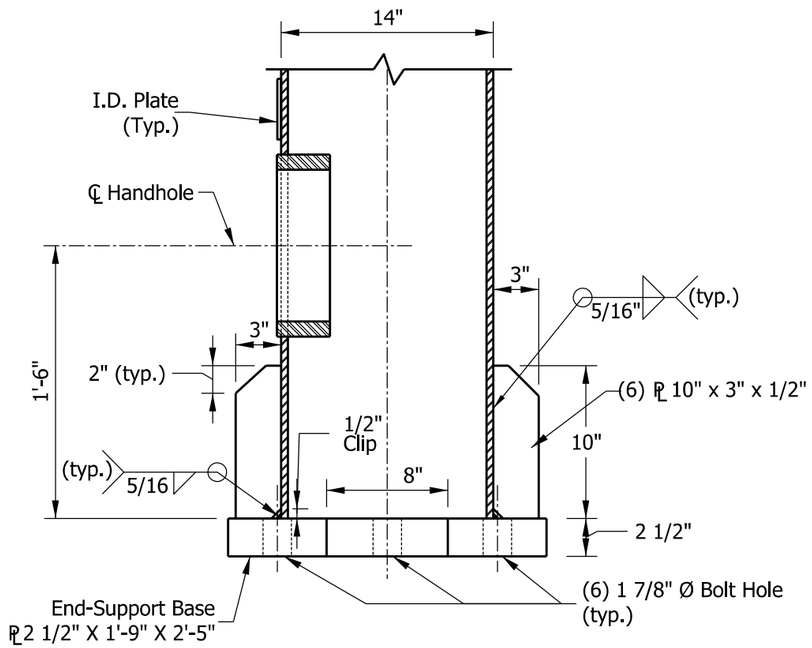
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT
LOWER CHORD CONNECTIONS,
ALTERNATE HSS BEAM,
AND SADDLE SHIM DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

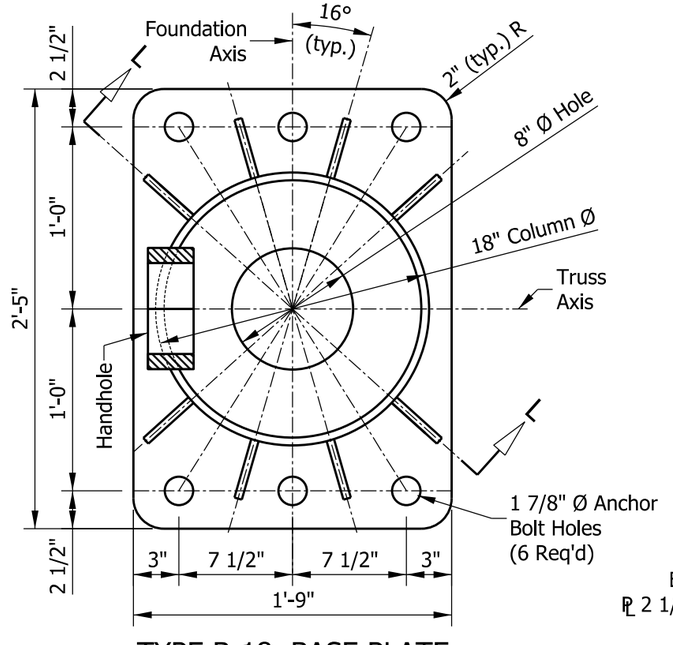
RECURRING PLAN DETAIL NO. 802-T-222d



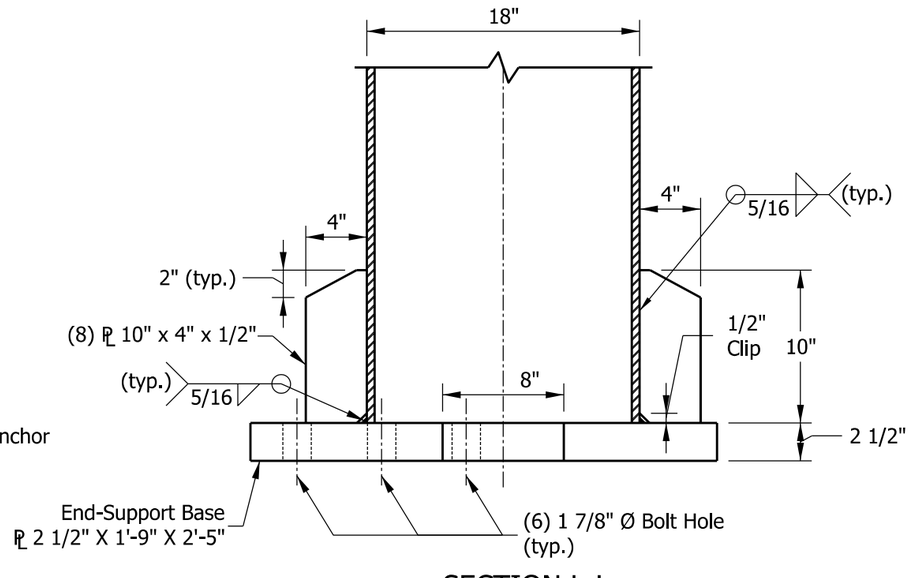
TYPE B-14 BASE PLATE



SECTION K-K



TYPE B-18 BASE PLATE



SECTION L-L

NOTES:

1. • Type B-14 base plate for end-support column diameter of 14 in.
   • Type B-18 base plate for end-support column diameter of 18 in.

INDIANA DEPARTMENT OF TRANSPORTATION

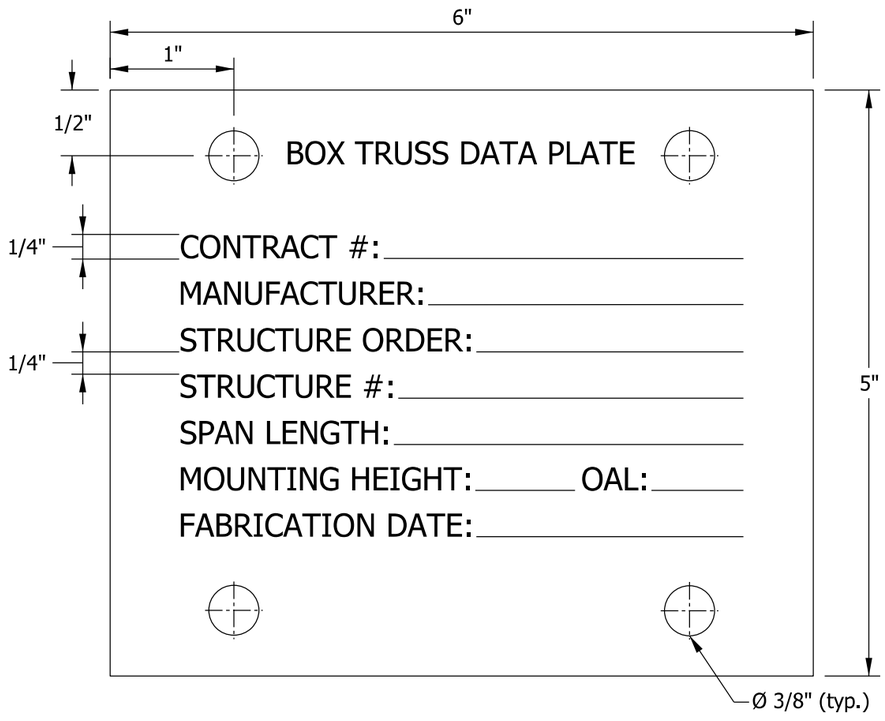
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT BASE PLATE

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

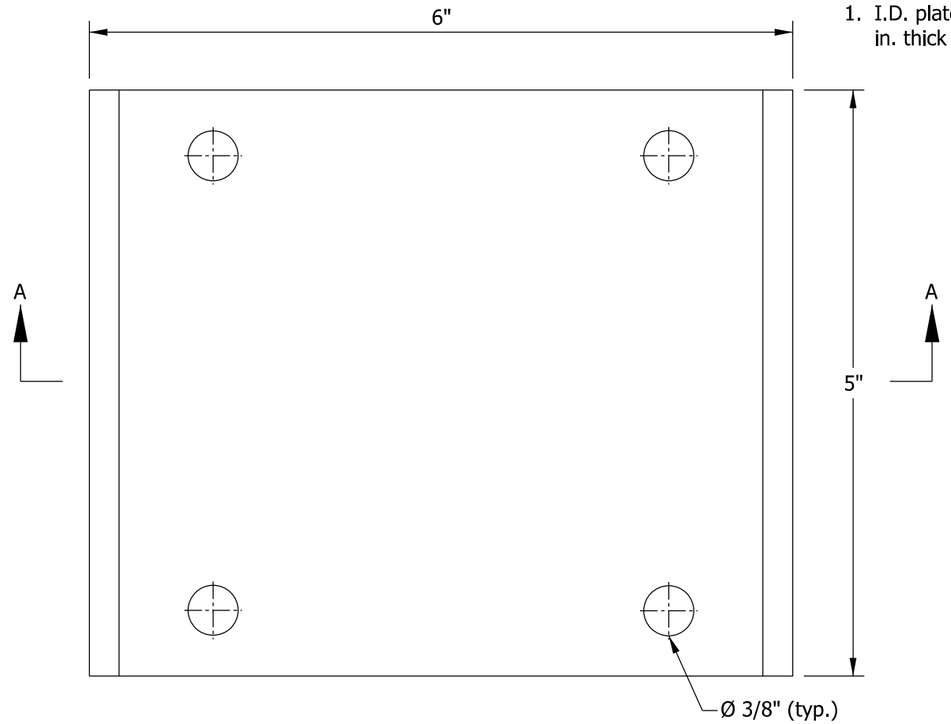
RECURRING PLAN DETAIL NO. 802-T-222d

NOTES:

1. I.D. plate is required on each end-support column. I.D. plate is a 1/8 in. thick stainless steel plate.



I.D PLATE



I.D PLATE CHANNEL

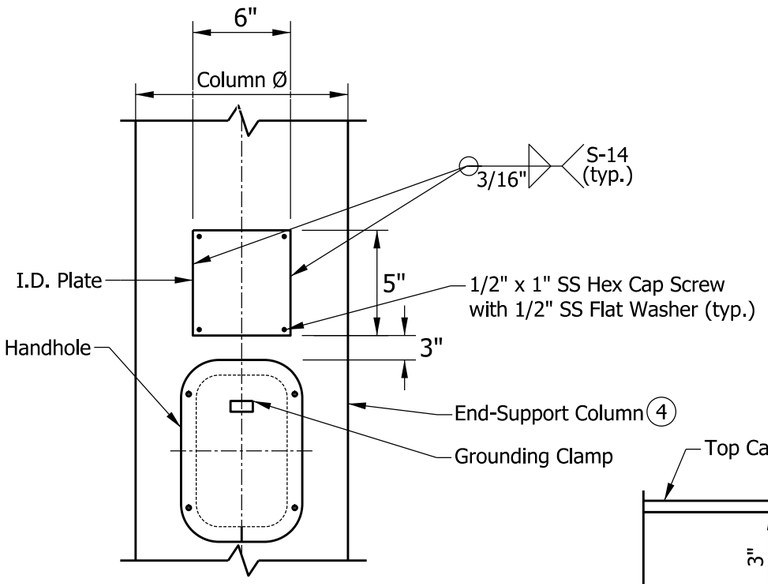
SECTION A-A

INDIANA DEPARTMENT OF TRANSPORTATION

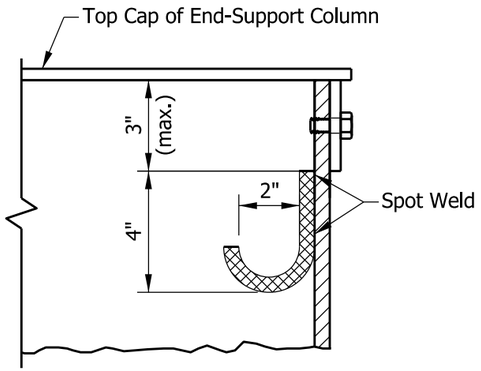
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN I.D. PLATE DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

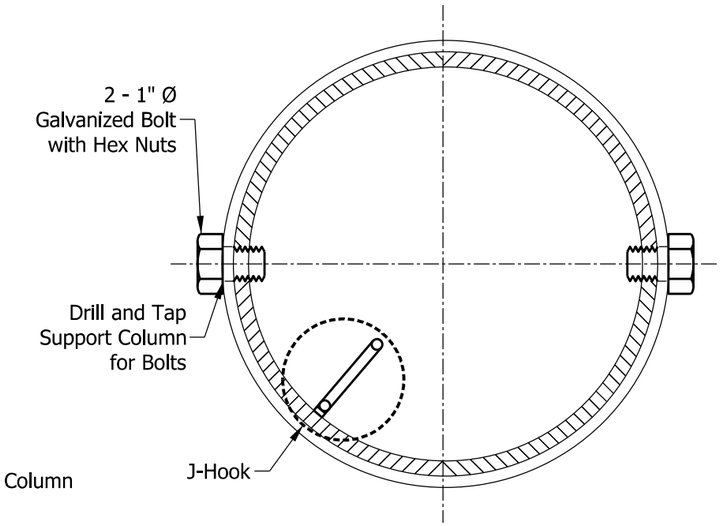
RECURRING PLAN DETAIL NO. 802-T-222d



ELEVATION
VIEW FROM HANDHOLE SIDE



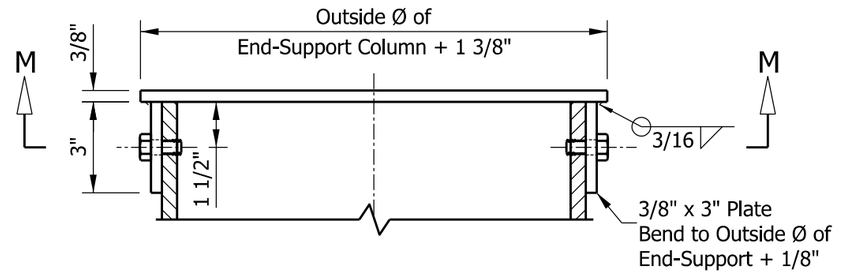
J-HOOK DETAIL



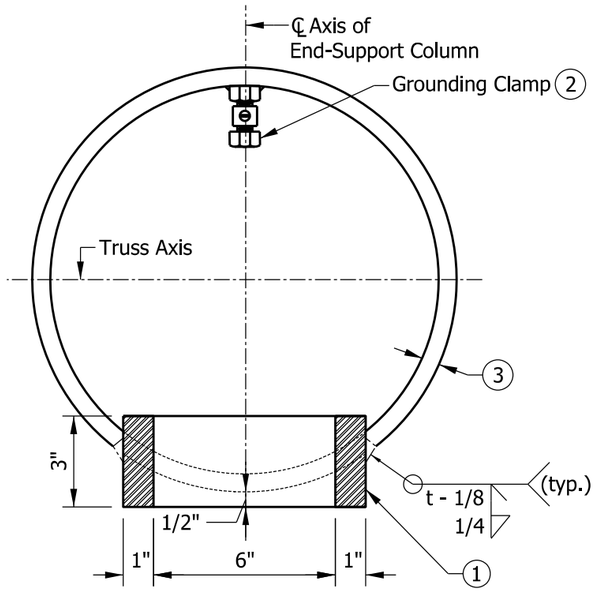
SECTION M-M

NOTES:

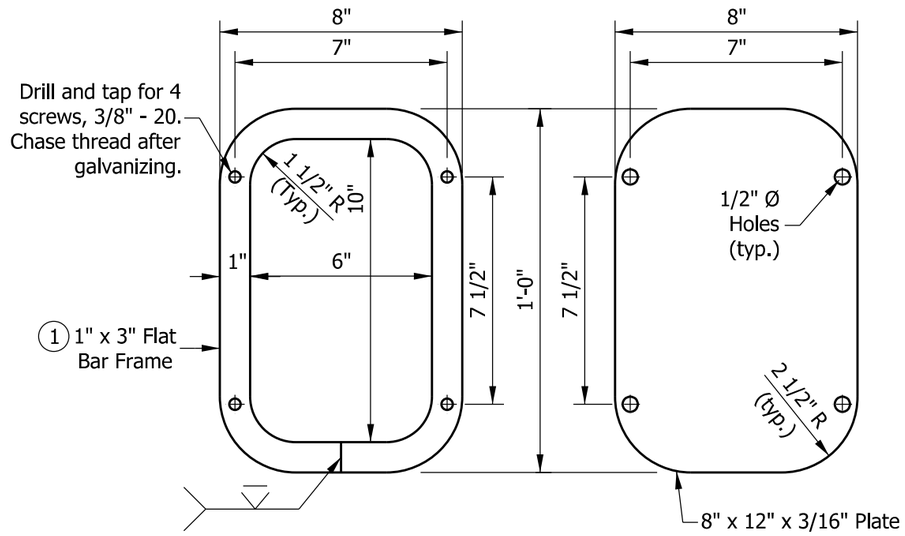
1. In lieu of fabricatied handhole frame as shown, frame may be cut from 3 in. plate (rolling direction vertical).
2. See Standard Drawing E 802-SNWR-03 for grounding post details. Grounding post to be placed on far side of support directly opposite center of handhole.
3. See Standard Drawing E 802-SBTX-03 for thickness of end-support columns (h).
4. Each end-support shall have one handhole at the column (h) base. Handhole shall be placed on the column nearest to the sign.



TOP CAP
ELEVATION VIEW



HANDHOLE
SECTION ACROSS COLUMN



HANDHOLE FRAME DETAIL

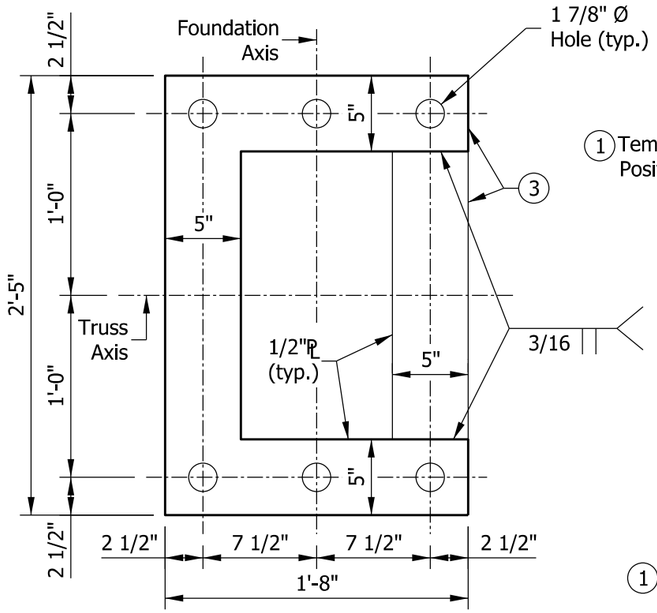
HANDHOLE COVER

INDIANA DEPARTMENT OF TRANSPORTATION

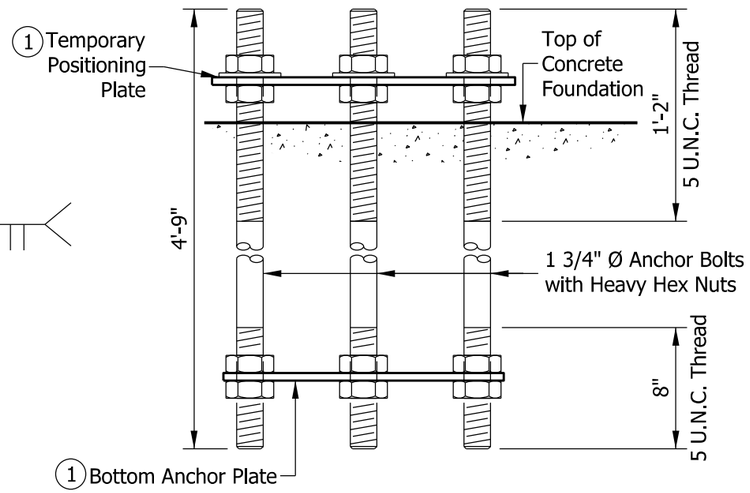
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT
TOP CAP, HANDHOLE, AND J-HOOK DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d



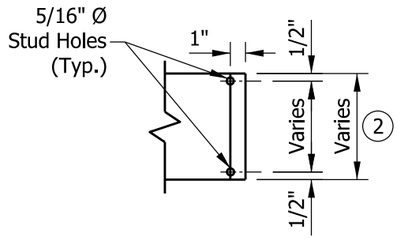
TEMPORARY POSITIONING PLATE



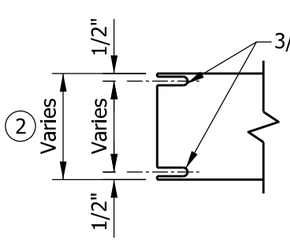
ANCHOR BOLT DETAILS
BEFORE CONCRETE PLACEMENT

NOTES:

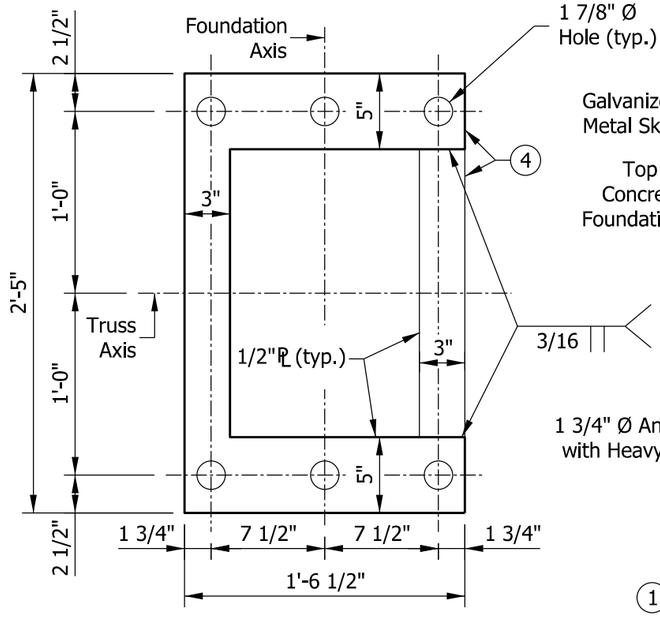
1. Use temporary positioning plate and bottom anchor plate for all foundations. Temporary positioning plate should be removed after placing concrete.
2. Minimum base plate gap is 2 1/2 in. and can be increased up to 5 1/2 in. Metal skirt width shall be at least 1 1/2 in. more than the actual gap.
3. May use four separate 5 in. plates welded together to maintain angles and shape as shown.
4. May use two separate 3 in. and two separate 5 in. plates welded together to maintain angles and shape as shown.



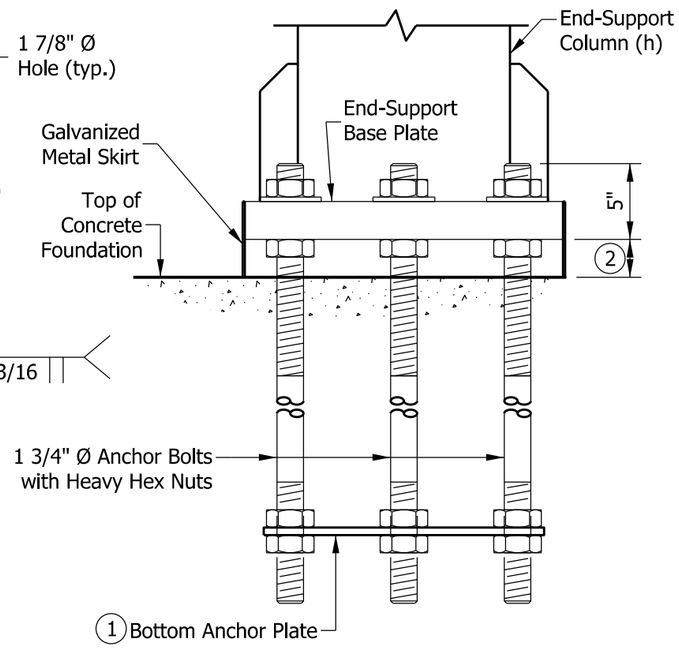
DETAIL G



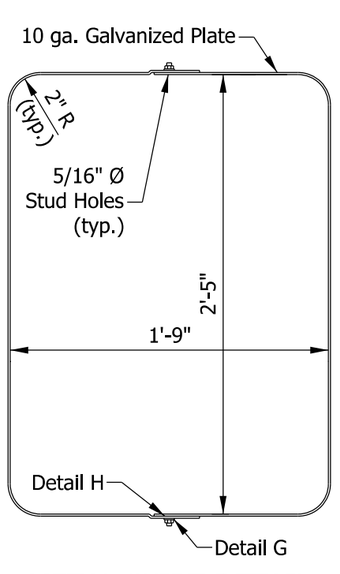
DETAIL H



BOTTOM ANCHOR PLATE



ANCHOR BOLT DETAILS
AFTER CONCRETE PLACEMENT



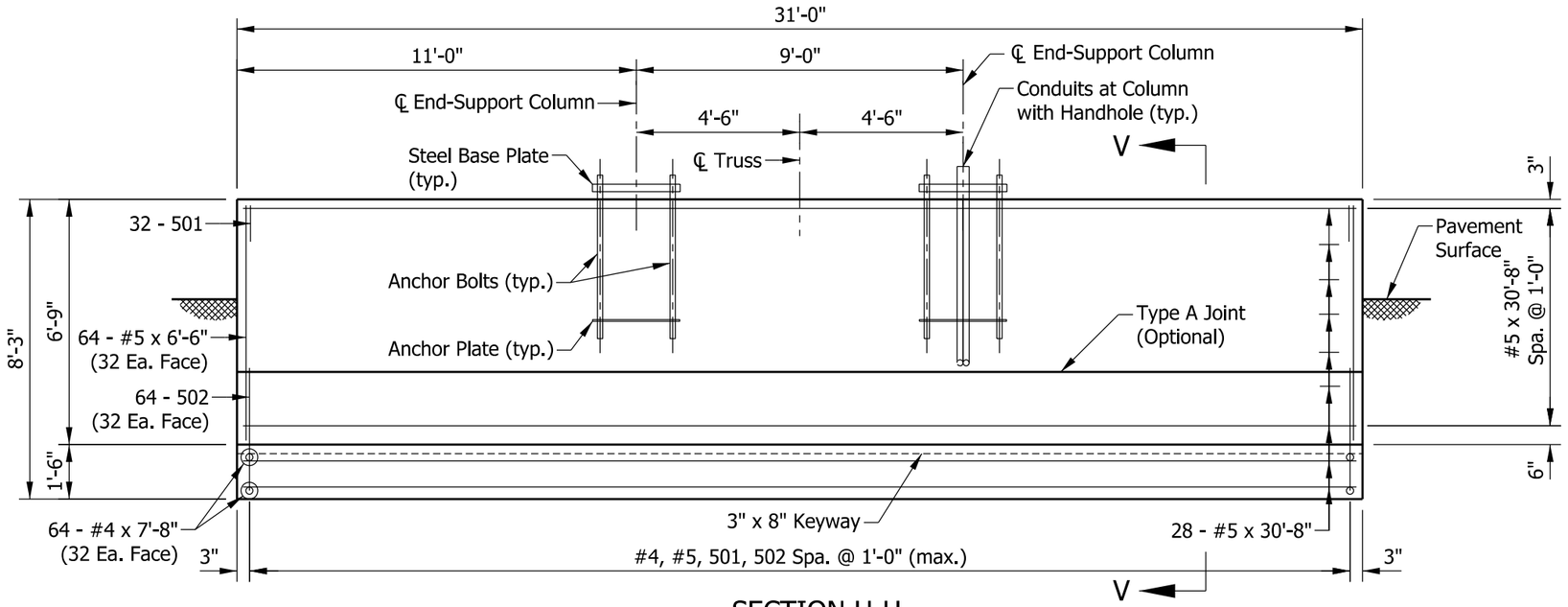
METAL SKIRT DETAIL

INDIANA DEPARTMENT OF TRANSPORTATION

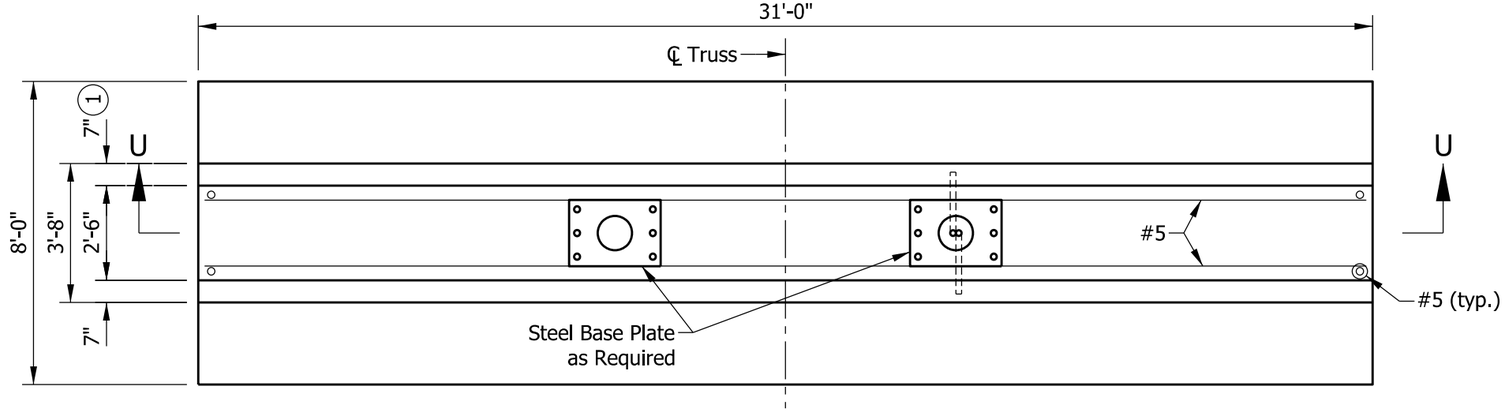
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN END-SUPPORT
ANCHOR BOLT AND METAL SKIRT DETAILS

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

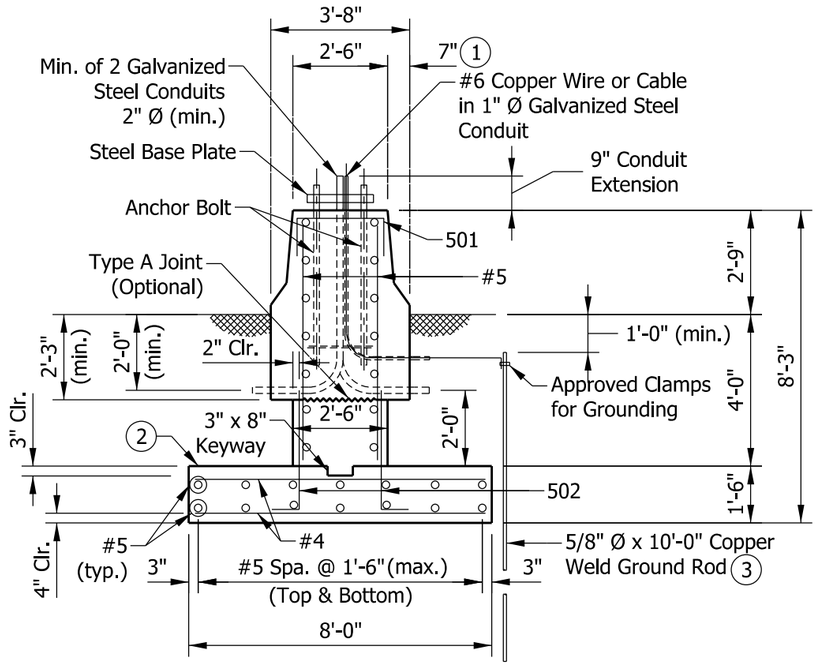
RECURRING PLAN DETAIL NO. 802-T-222d



SECTION U-U



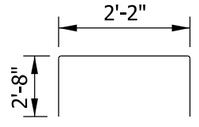
PLAN



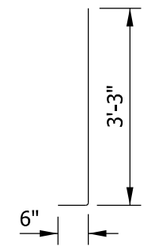
SECTION V-V

NOTES:

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. Top of the footing shall be a minimum of 4 ft. 0 in. below the pavement or ground surface.
3. Only one ground rod per structure is required.



501 x 7'-6"



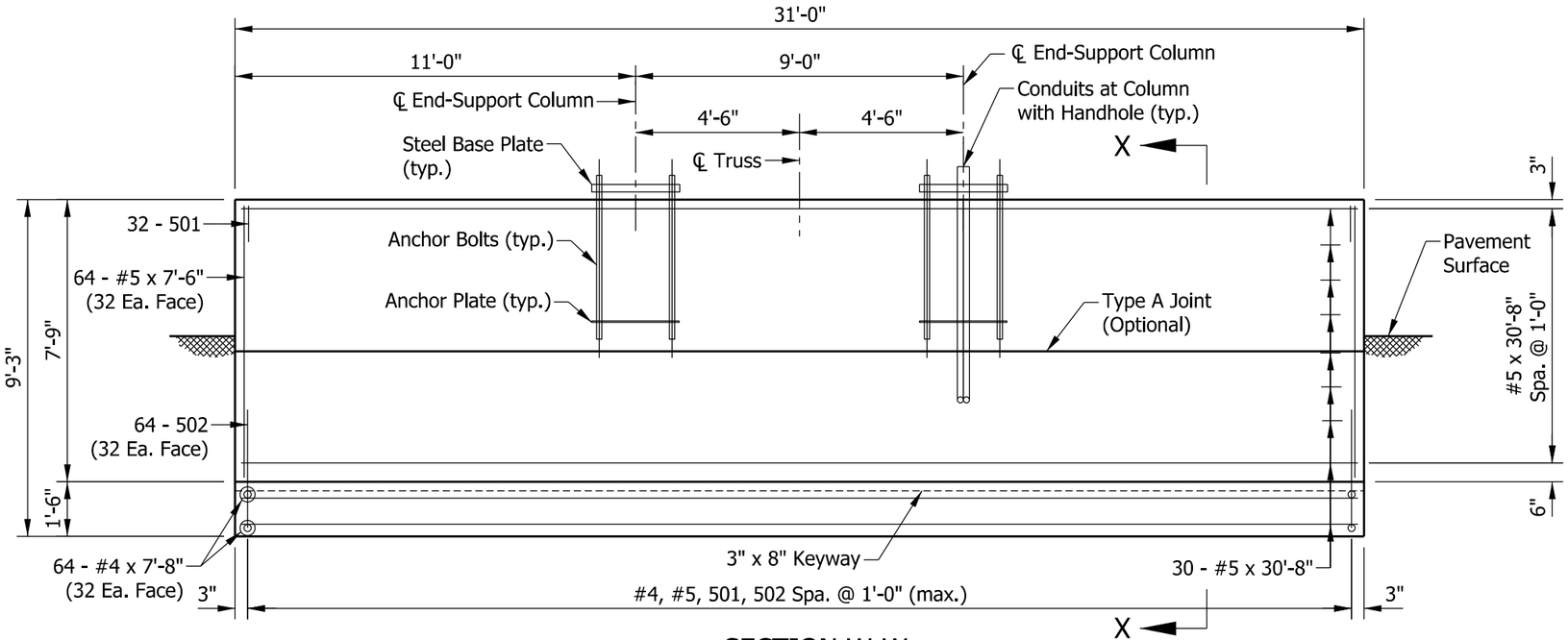
502 x 3'-9"

INDIANA DEPARTMENT OF TRANSPORTATION

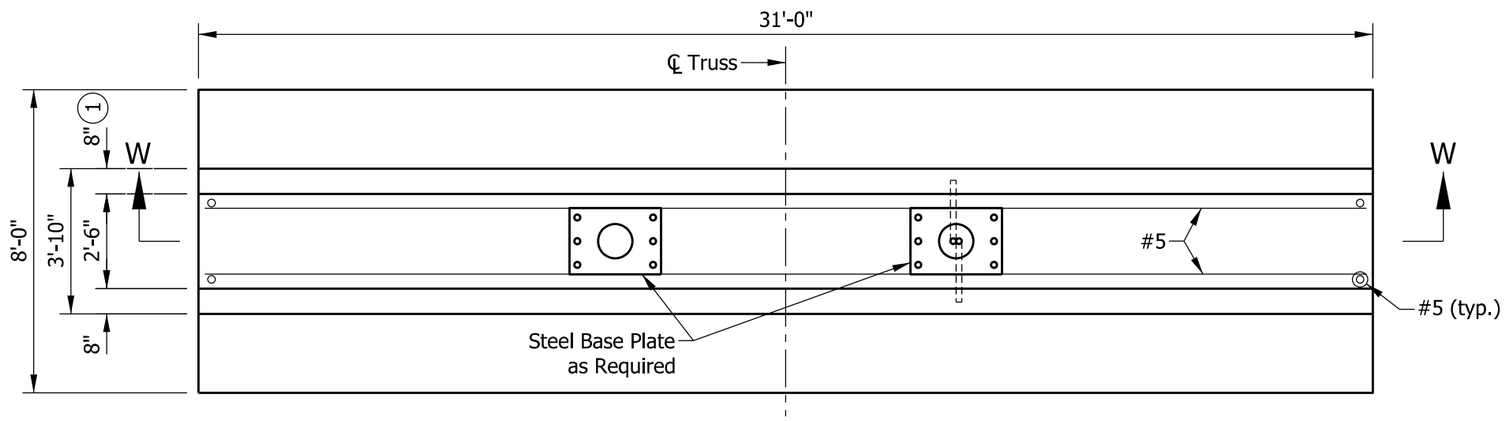
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
SPREAD FOUNDATION AT
33" CONCRETE BARRIER WALL

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

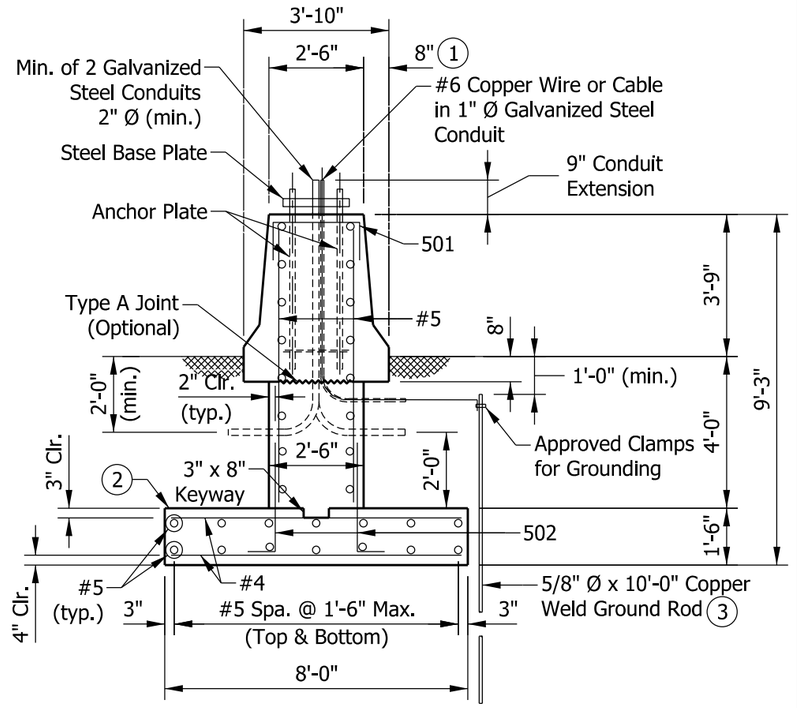
RECURRING PLAN DETAIL NO. 802-T-222d



SECTION W-W



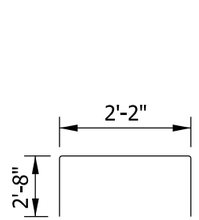
PLAN



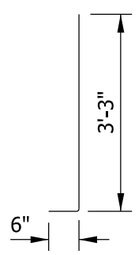
SECTION X-X

NOTES:

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. Top of the footing shall be a minimum of 4 ft. 0 in. below the pavement or ground surface.
3. Only one ground rod per structure is required.



501 x 7'-6"



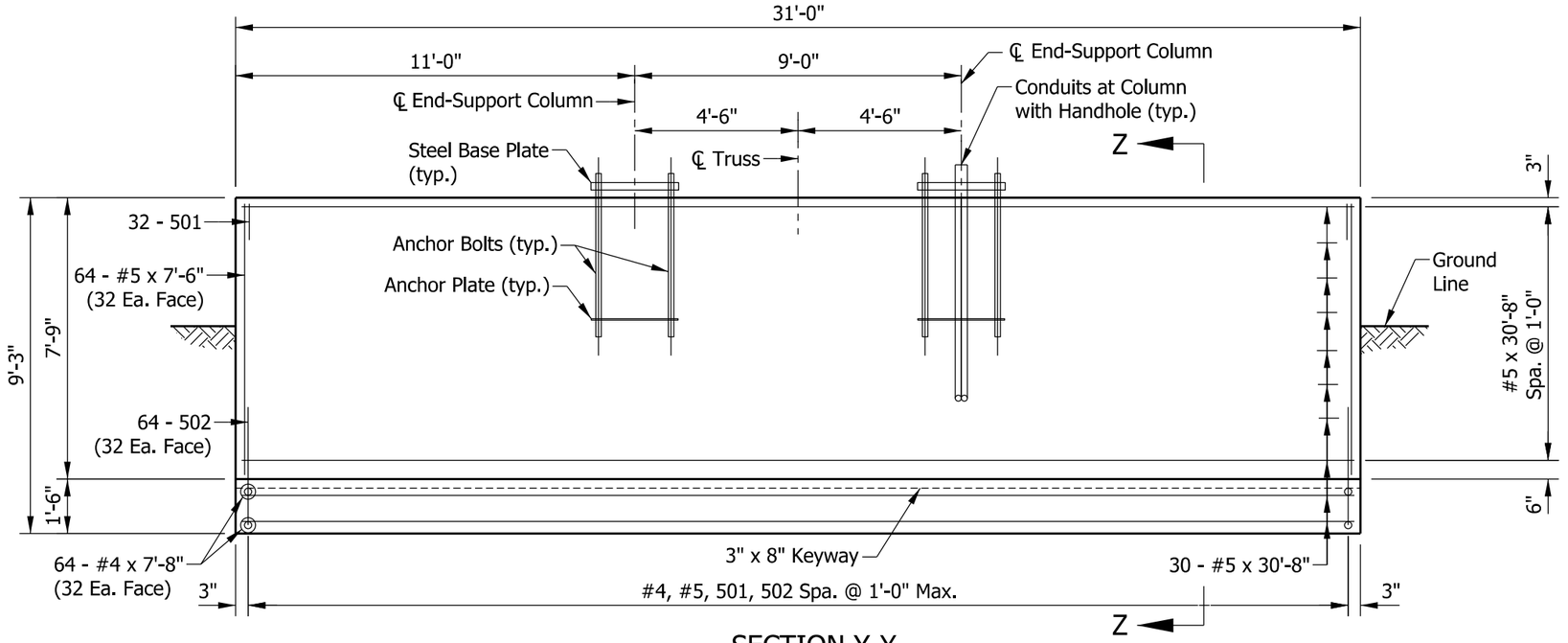
502 x 3'-9"

INDIANA DEPARTMENT OF TRANSPORTATION

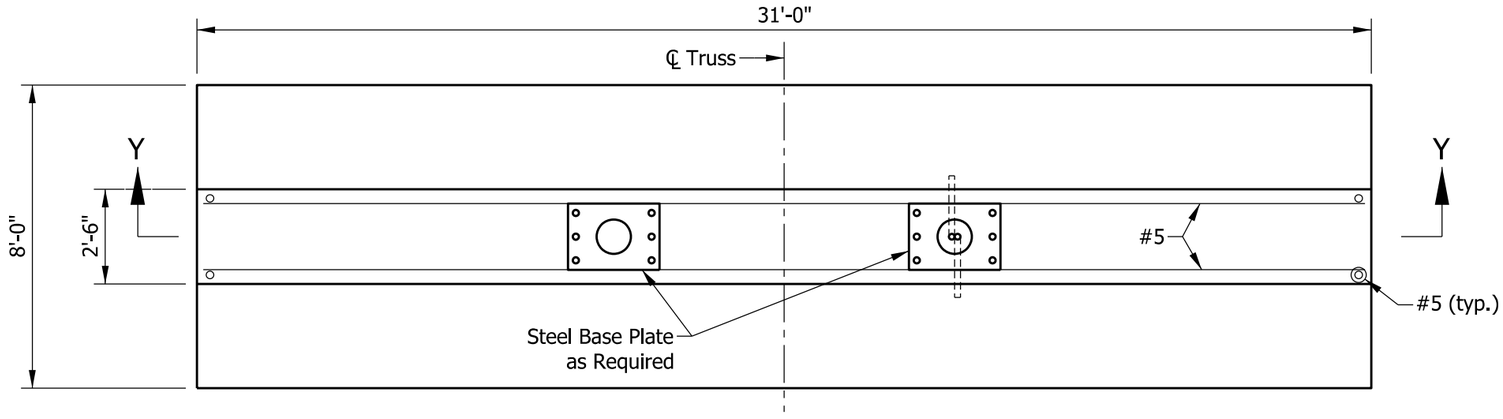
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
SPREAD FOUNDATION AT
45" CONCRETE BARRIER WALL

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

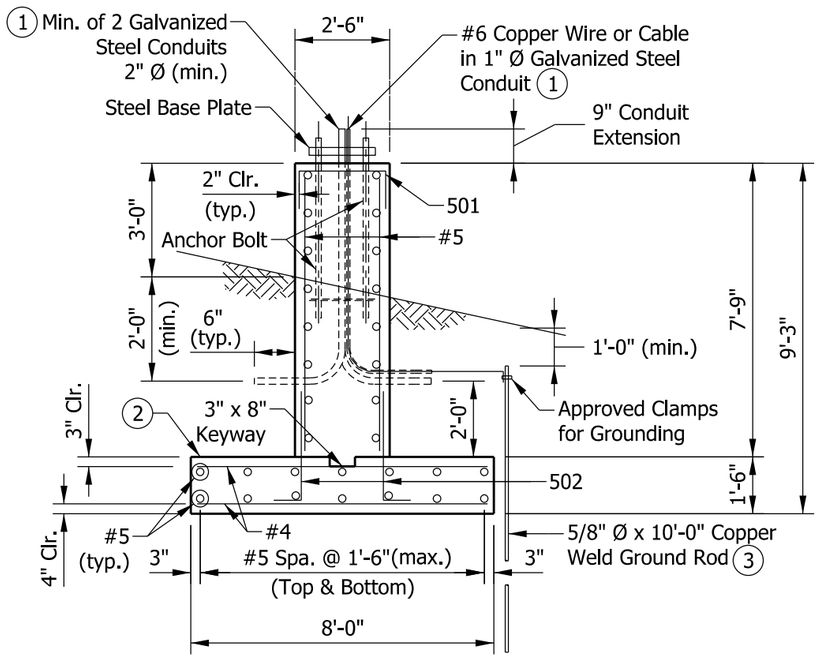
RECURRING PLAN DETAIL NO. 802-T-222d



SECTION Y-Y



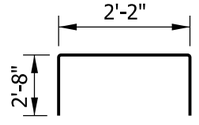
PLAN



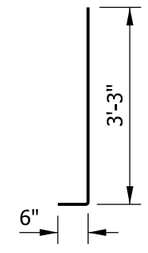
SECTION Z-Z

NOTES:

1. Top of the footing shall be a minimum of 4 ft. 0 in. below the pavement or ground surface.
2. Only one ground rod per structure is required.



501 x 7'-6"



502 x 3'-9"

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
SPREAD FOUNDATION FOR
MEDIAN OR SHOULDER, 36" HEIGHT

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

SPREAD FOUNDATION AT 33" CONCRETE BARRIER WALL			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
501	32	7'-6"	
502	64	3'-9"	
#5	64	6'-6"	
#5	28	30'-8"	
Total #5			1830 LBS
#4	64	7'-8"	
Total #4			328 LBS
Total Epoxy-Coated Reinforcing Bars			2158 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			37.0 CYS
MISCELLANEOUS			
Surface Seal			28.5 SYS

SPREAD FOUNDATION AT 45" CONCRETE BARRIER WALL			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
501	32	7'-6"	
502	64	3'-9"	
#5	64	7'-6"	
#5	30	30'-8"	
Total #5			1961 LBS
#4	64	7'-8"	
Total #4			328 LBS
Total Epoxy-Coated Reinforcing Bars			2289 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			38.9 CYS
MISCELLANEOUS			
Surface Seal			35.4 SYS

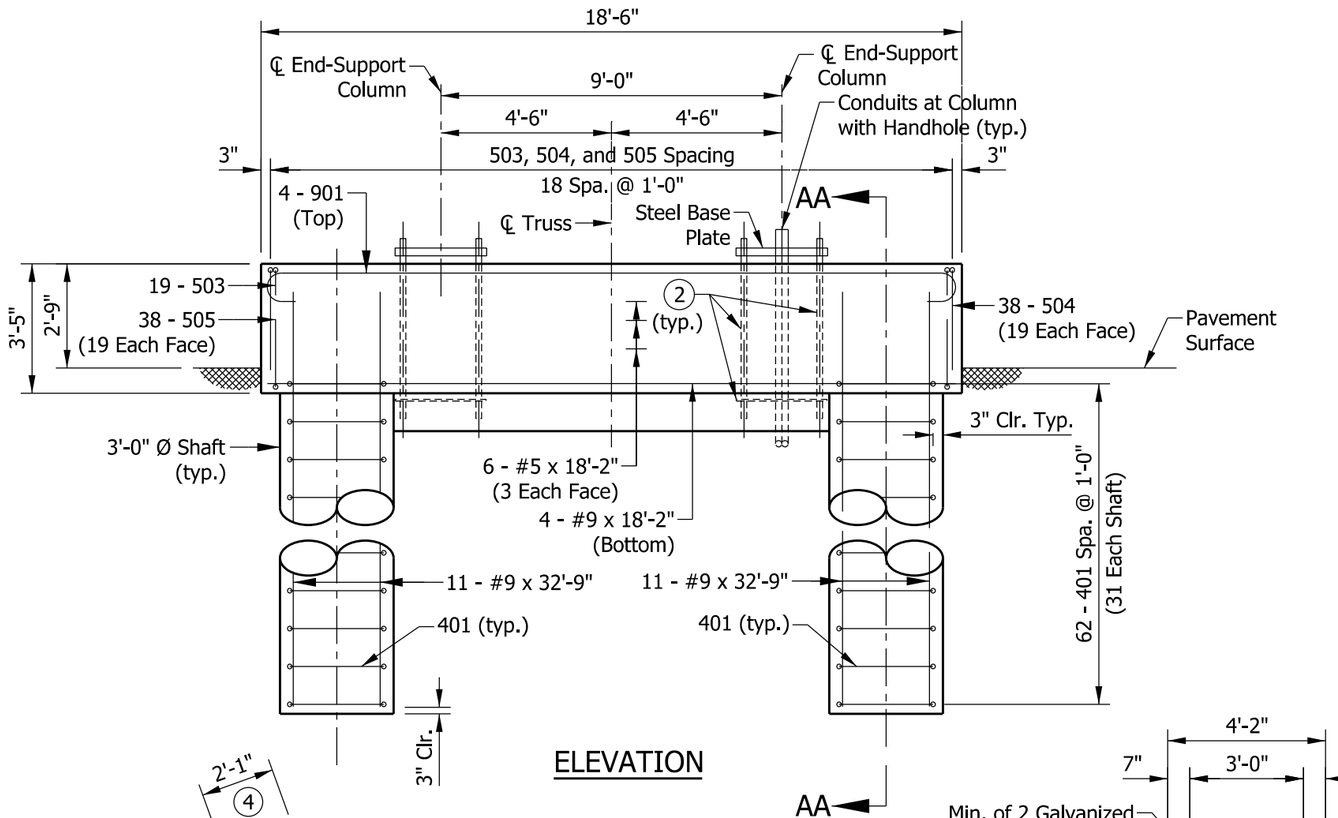
SPREAD FOUNDATION FOR MEDIAN OR SHOULDER, 36" HEIGHT			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
501	32	7'-6"	
502	64	3'-9"	
#5	64	7'-6"	
#5	30	30'-8"	
Total #5			1961 LBS
#4	64	7'-8"	
Total #4			328 LBS
Total Epoxy-Coated Reinforcing Bars			2289 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			36.1 CYS
MISCELLANEOUS			
Surface Seal			29.2 SYS

INDIANA DEPARTMENT OF TRANSPORTATION

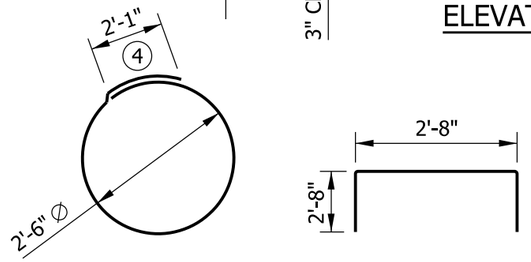
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
SPREAD FOUNDATIONS QUANATITIES

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

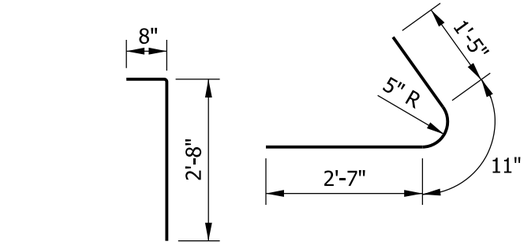


ELEVATION



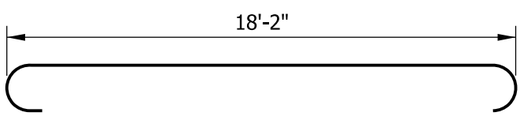
401 x 10'-0"

503 x 8'-0"

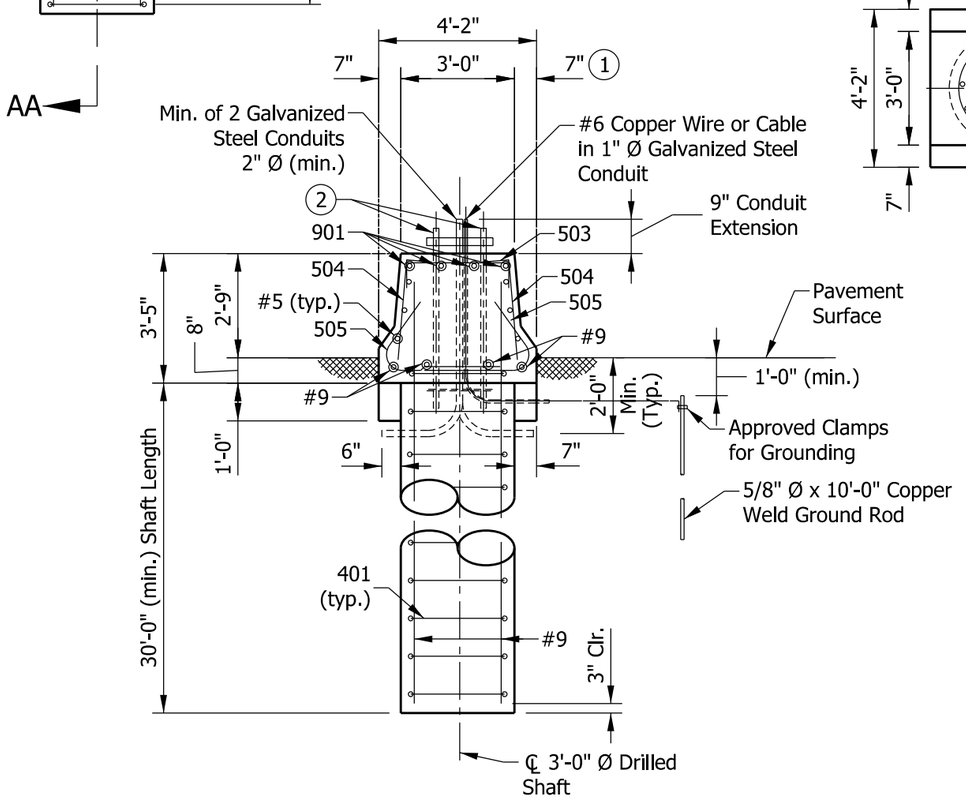


504 x 3'-4"

505 x 4'-11"



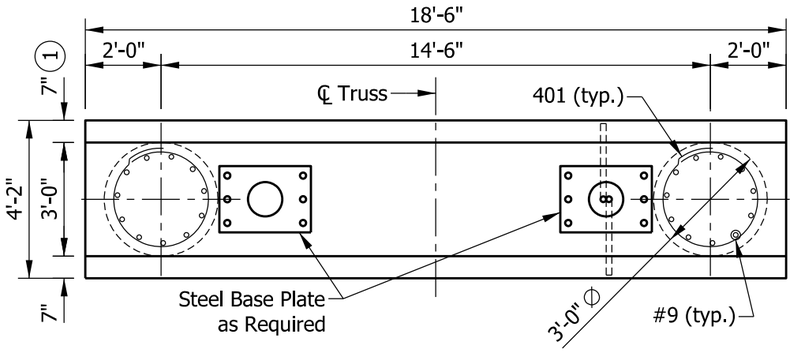
901 x 20'-8"



SECTION AA-AA

NOTES:

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. See Standard Drawing E 802-SBTX-13 for anchor bolt and anchor plate details.
3. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.
4. Lap splices must be staggered around shaft.



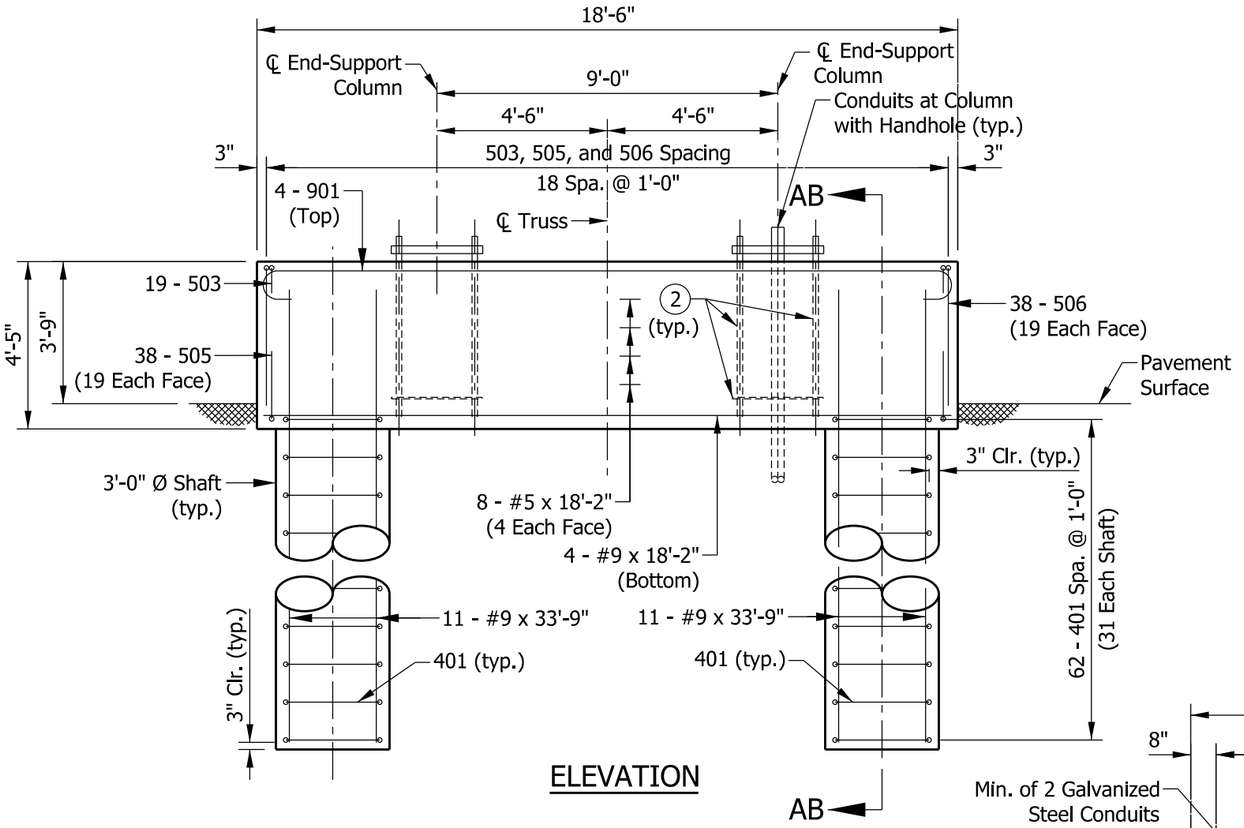
PLAN

INDIANA DEPARTMENT OF TRANSPORTATION

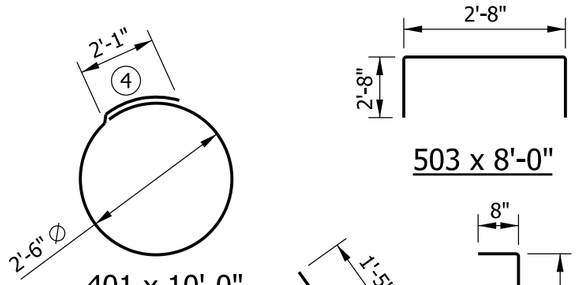
SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
ALTERNATE DRILLED SHAFT FOUNDATION
AT 33" CONCRETE BARRIER WALL

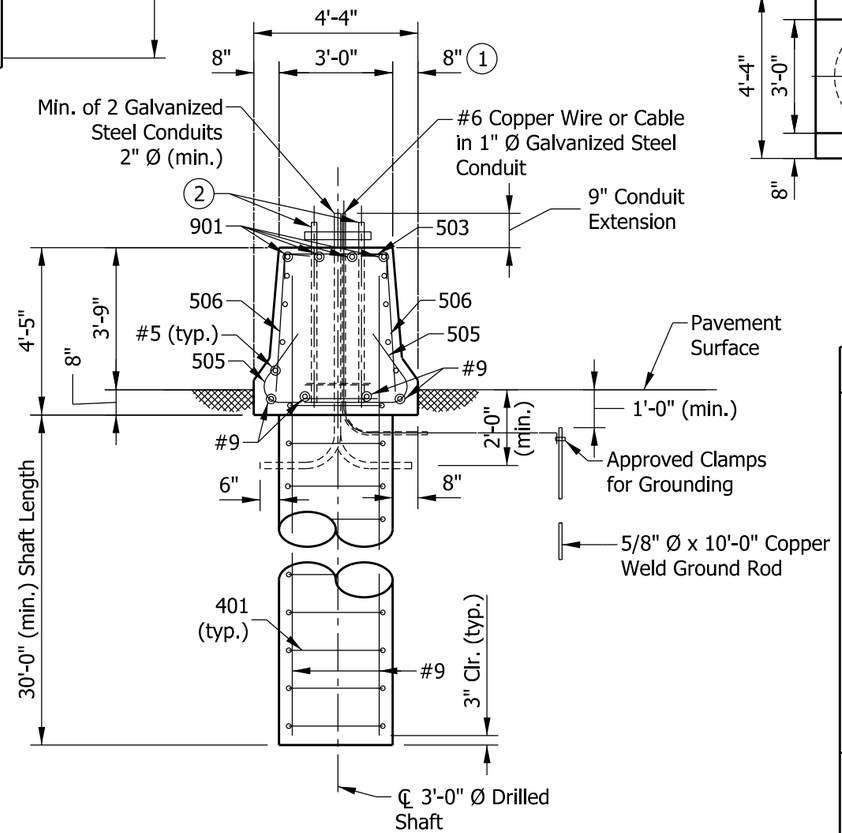
EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

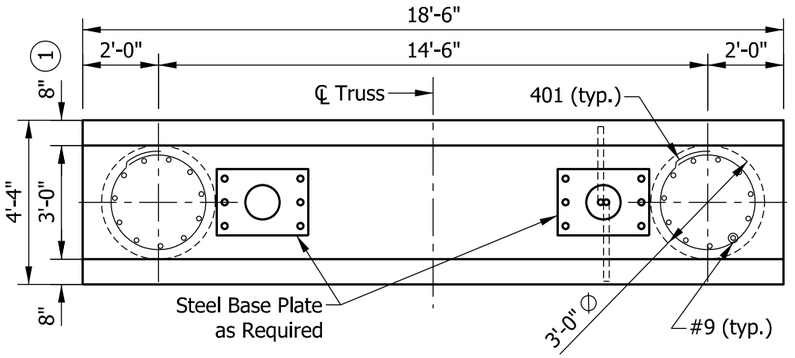


ELEVATION





SECTION AB-AB



PLAN

NOTES:

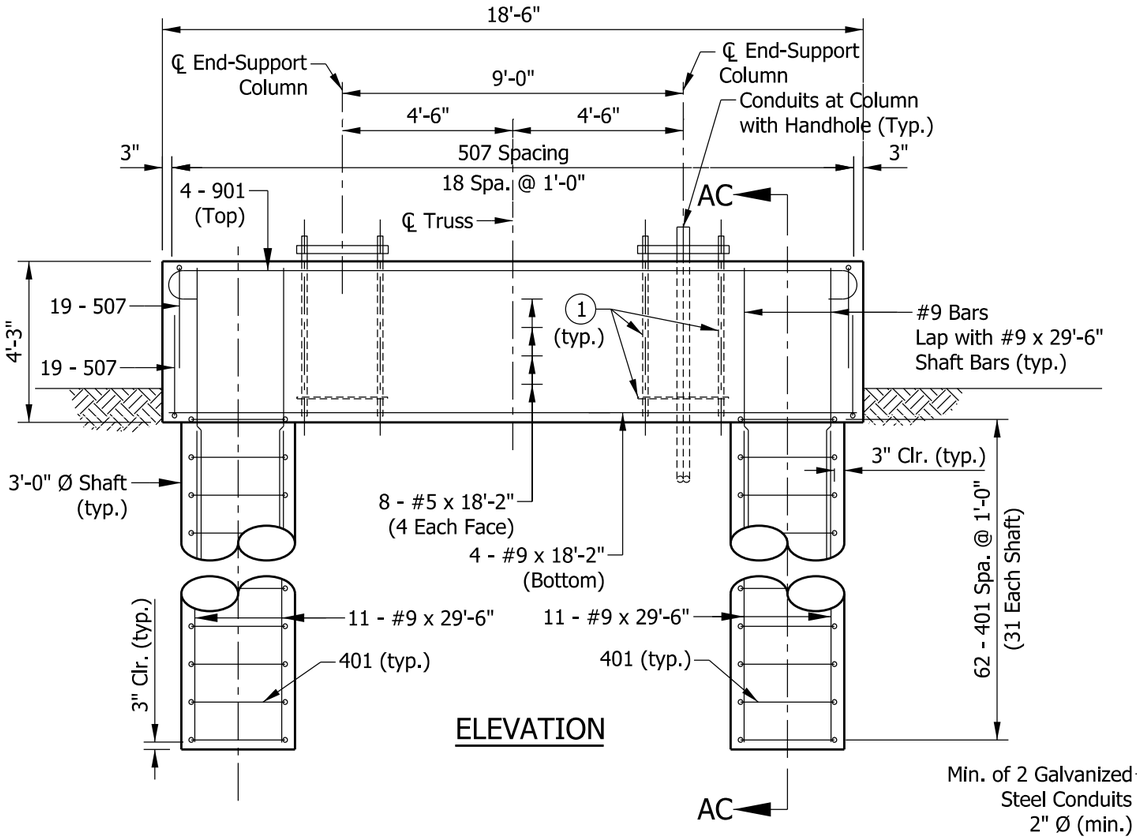
1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. See Standard Drawing E 802-SBTX-13 for anchor bolt and anchor plate details.
3. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.
4. Lap splices must be staggered around shaft.

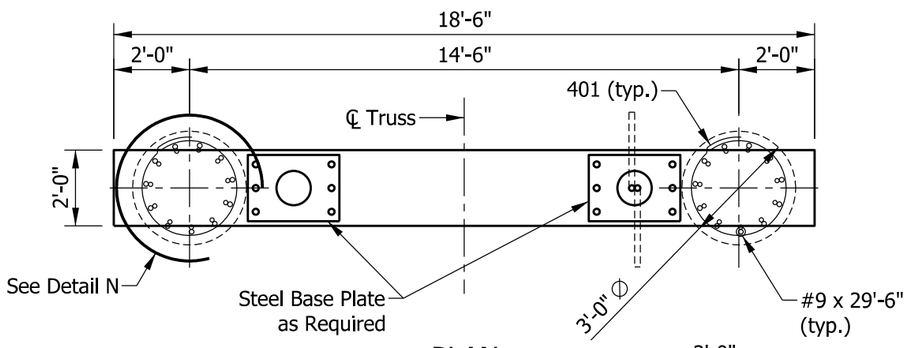
INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE EXTENDED SPAN TYPE F, G, H ALTERNATE DRILLED SHAFT FOUNDATION AT 45" CONCRETE BARRIER WALL

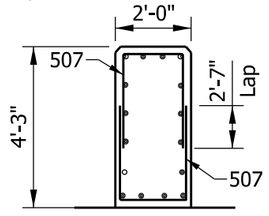
EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

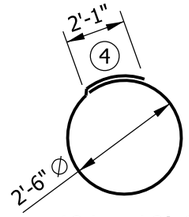




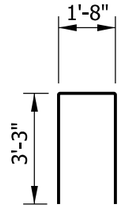
PLAN



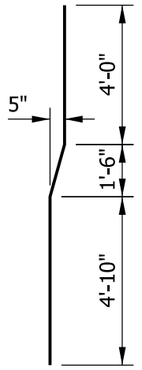
DETAIL O



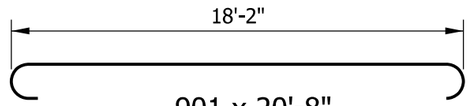
401 x 10'-0"



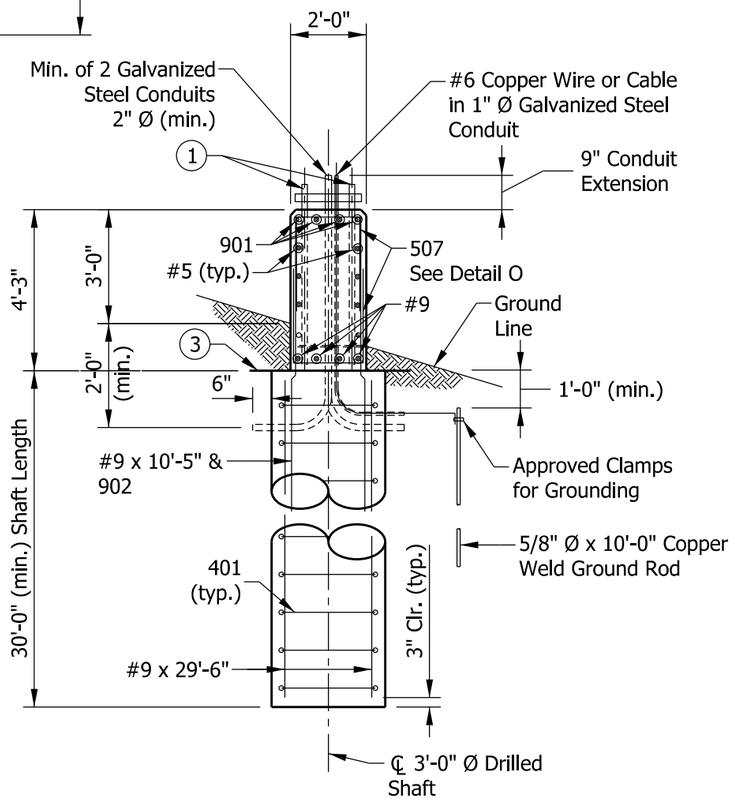
507 x 8'-2"



902 x 10'-5"



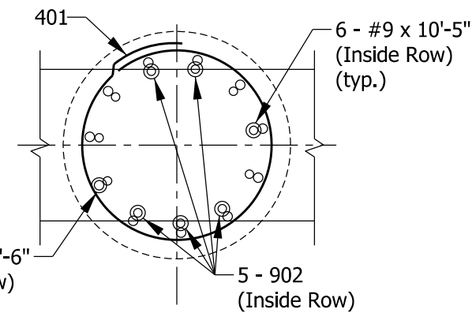
901 x 20'-8"



SECTION AC-AC

NOTES:

1. See Standard Drawing E 802-SBTX-13 for anchor bolt and anchor plate details.
2. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.
3. Top of foundation shall be level.
4. Lap splices must be staggered around shaft.



DETAIL N

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE
EXTENDED SPAN TYPE F, G, H
ALTERNATE DRILLED SHAFT FOUNDATION
FOR MEDIAN OR SHOULDER, 36" HEIGHT

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d

ALTERNATE DRILLED SHAFT FOUNDATION AT 33" CONCRETE BARRIER WALL			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
901	4	20'-8"	
#9	4	18'-2"	
#9	22	32'-9"	
Total #9			2978 LBS
503	19	8'-0"	
504	38	3'-4"	
505	38	4'-11"	
#5	6	18'-2"	
Total #5			599 LBS
401	62	10'-0"	
Total #4			415 LBS
Total Epoxy-Coated Reinforcing Bars			3992 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			25.2 CYS
MISCELLANEOUS			
Surface Seal			17.6 SYS

ALTERNATE DRILLED SHAFT FOUNDATION AT 45" CONCRETE BARRIER WALL			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
901	4	20'-8"	
#9	4	18'-2"	
#9	22	33'-9"	
Total #9			3053 LBS
503	19	8'-0"	
505	38	4'-11"	
506	38	4'-4"	
#5	8	18'-2"	
Total #5			677 LBS
401	62	10'-0"	
Total #4			415 LBS
Total Epoxy-Coated Reinforcing Bars			4145 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			26.0 CYS
MISCELLANEOUS			
Surface Seal			21.7 SYS

ALTERNATE DRILLED SHAFT FOUNDATION FOR MEDIAN OR SHOULDER, 36" HEIGHT			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
901	4	20'-8"	
902	10	10'-5"	
#9	4	18'-2"	
#9	12	10'-5"	
#9	22	29'-6"	
Total #9			3514 LBS
507	38	8'-2"	
#5	8	18'-2"	
Total #5			475 LBS
401	62	10'-0"	
Total #4			415 LBS
Total Epoxy-Coated Reinforcing Bars			4404 LBS
CONCRETE, CLASS A			
Total Concrete, Class A			21.5 CYS
MISCELLANEOUS			
Surface Seal			21.6 SYS

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN BOX TRUSS STRUCTURE EXTENDED SPAN TYPE F, G, H ALTERNATE DRILLED SHAFT FOUNDATIONS QUANTITIES

EFFECTIVE FOR LETTINGS ON OR AFTER 03-01-20

RECURRING PLAN DETAIL NO. 802-T-222d