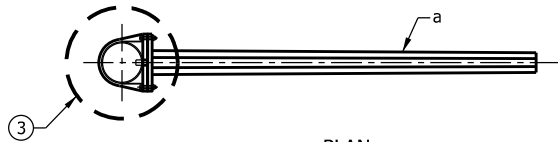


INDEX

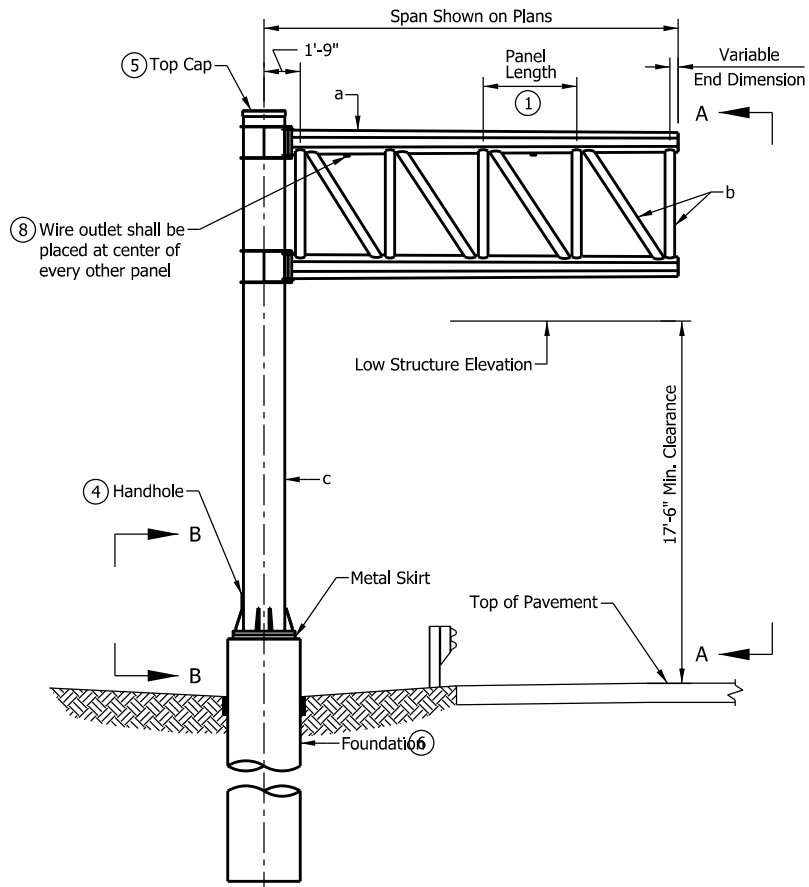
SHEET NO.	SUBJECT
1	Index
2	Double Arm Plan and Elevation
3	Double Arm Panel Dimensions and Member Sizes
4	Double Arm Connections, Weld Details, Chord End Plate Details, and Camber
5	Double Arm Connection to Column Details
6	Double Arm Column Top Cap and Cable J-Hook
7	Quadri-Chord Plan and Elevation
8	Quadri-Chord Panel Dimensions and Member Sizes
9	Quadri-Chord Connections, Weld Details, Chord End Plate Details, and Camber
10	Quadri-Chord Lower Arm Connection to Column and Wire Outlet Detail
11	Quadri-Chord Upper Arm Connection to Column
12	Double Arm and Quadri-Chord Base Plate, Anchor Bolt, and Metal Skirt Details
13	Double Arm and Quadri-Chord Column Handhole and I.D. Tag Details
14	Structure Type A or B Foundation at 33" Concrete Barrier
15	Structure Type C, D, E, or F Foundation at 33" Concrete Barrier
16	Structure Type G, H, or I Foundation at 33" Concrete Barrier
17	Structure Type A or B Foundation at 45" Concrete Barrier
18	Structure Type C, D, E, or F Foundation at 45" Concrete Barrier
19	Structure Type G, H, or I Foundation at 45" Concrete Barrier
20	Structure Type A or B Foundation, 36" Height
21	Structure Type C, D, E, or F Foundation, 36" Height
22	Structure Type G, H, or I Foundation, 36" Height

INDIANA DEPARTMENT OF TRANSPORTATION

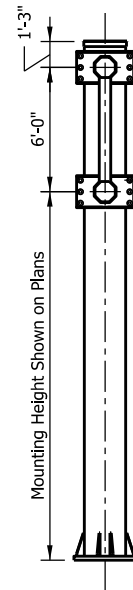
SIGN CANTILEVER STRUCTURE
DRAWING INDEX



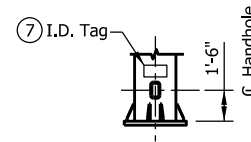
PLAN



FRONT ELEVATION



ELEVATION
A-A



ELEVATION
B-B

NOTES:

- ① See Sheet 3 for panel dimensions and member sizes.
2. Maximum deviation of a chord from a straight line shall be 1/8".
- ③ See Sheet 5 for connection to column details.
- ④ See Sheet 13 for handhole detail.
- ⑤ See Sheet 06 for top cap and cable J-hook detail.
- ⑥ See Sheets 14, 17, and 20 for foundation details.
- ⑦ See Sheet 13 for I.D. tag detail.
- ⑧ See Sheet 10 for wire outlet detail.

LEGEND:

- a - Chord
b - Vertical and Vertical Diagonal
c - Column

INDIANA DEPARTMENT OF TRANSPORTATION

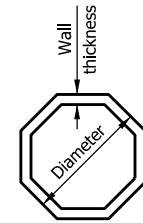
SIGN CANTILEVER STRUCTURE
DOUBLE ARM
PLAN AND ELEVATION

DOUBLE ARM PANEL DIMENSIONS

SPAN	NO. OF PANELS	PANEL LENGTH	VARIABLE END DIMENSION
10'	2	4'-0"	0'-3"
11'	3	3'-0"	0'-3"
12'	3	3'-3"	0'-6"
13'	3	3'-6"	0'-9"
14'	3	4'-0"	0'-3"
15'	3	4'-3"	0'-6"
16'	4	3'-6"	0'-3"
17'	4	3'-9"	0'-3"
18'	4	4'-0"	0'-3"
19'	4	4'-3"	0'-3"
20'	4	4'-6"	0'-3"

NOTES:

1. All panels on the double arm shall be the same length. The minimum panel length is 3'-0" and the maximum is 4'-6".
2. See Sheet 4 for connections, weld details, and required camber.
3. For base plate and anchor bolt details see Sheet 12.
4. See Sheets 14, 17, and 20 for foundation details.
5. All member diameters shown are outside diameters.
- ⑥ Double arm chord shape shall be octagonal tubular with 0.14 in./ft. taper, maximum diameter shown in table.

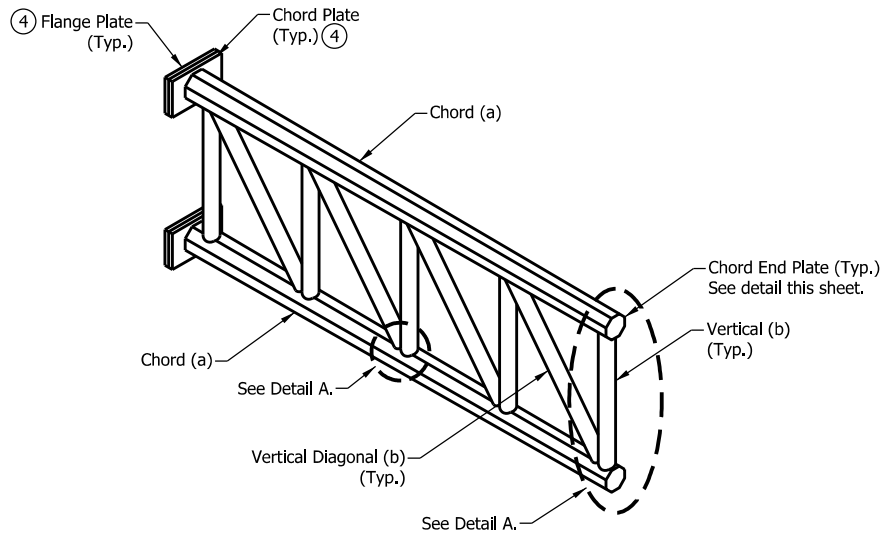
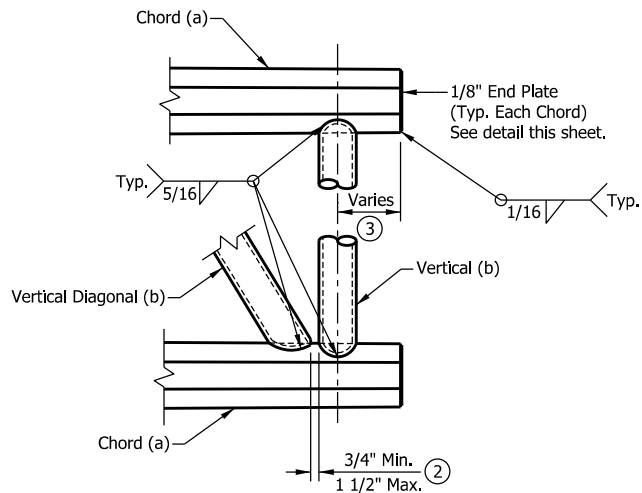
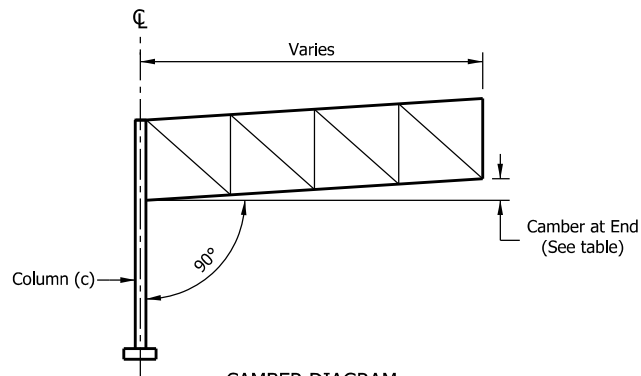
OCTAGON TUBULAR SHAPE

DOUBLE ARM MEMBER SIZES

STR. TYPE	MAX SPAN (FT.)	MAX SIGN AREA (FT.)	MAX MOUNTING HEIGHT (FT.)	⑥ CHORD a		VERTICAL/VERTICAL DIAGONAL b		COLUMN c	
				DIAMETER (IN.)	WALL THICK. (IN.)	DIAMETER (IN.)	WALL THICK. (IN.)	DIAMETER (IN.)	WALL THICK. (IN.)
A	10	180	24	7 5/8	0.500	4 1/2	0.337	18	0.750
B	15	280	24	10 3/4	0.593	5 9/16	0.500	20	0.812
C	20	380	24	14	0.593	6 5/8	0.719	24	0.968

INDIANA DEPARTMENT OF TRANSPORTATION

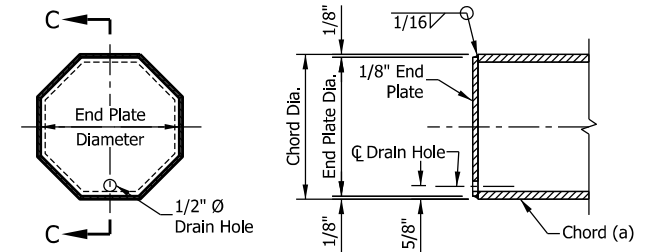
SIGN CANTILEVER STRUCTURE
DOUBLE ARM
PANEL DIMENSIONS AND MEMBER SIZES

**DOUBLE ARM****DETAIL A****CAMBER DIAGRAM**

DOUBLE ARM		
STR. TYPE	LENGTH	CAMBER AT END (IN.)
A	10'-0"	0.375
B	15'-0"	0.750
C	20'-0"	1.000

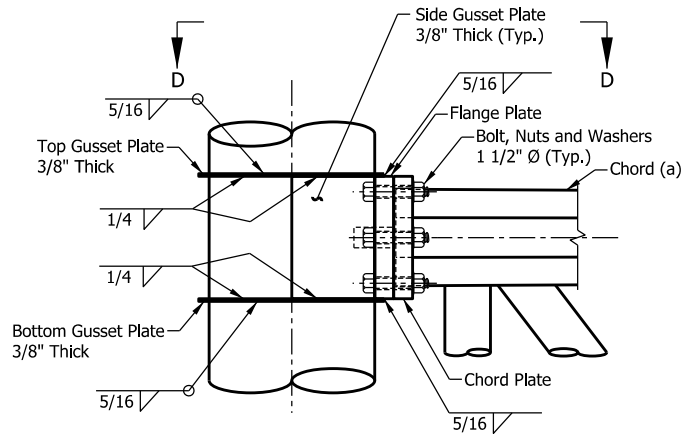
NOTES:

1. See Sheet 3 for panel dimensions and member sizes.
2. Vertical diagonals shall be placed for minimum offset from the panel point such that the offset shall provide a 3/4" minimum to 1 1/2" maximum clearance between each diagonal and vertical member, and to provide clearance for U-bolt connections to signs.
3. For variable end dimension, see table of panel dimensions on Sheet 3.
4. See Sheet 5 for flange plate and chord plate details.

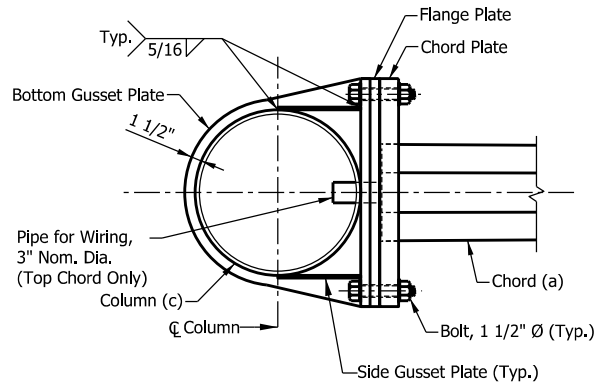
**END VIEW****SECTION C-C****CHORD END PLATE DETAILS**

INDIANA DEPARTMENT OF TRANSPORTATION

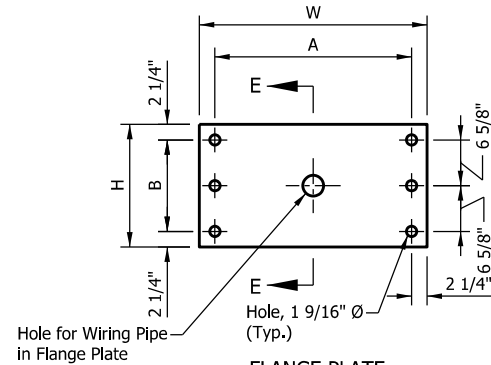
SIGN CANTILEVER STRUCTURE
DOUBLE ARM CONNECTIONS, WELD DETAILS,
CHORD END PLATE DETAILS, AND CAMBER



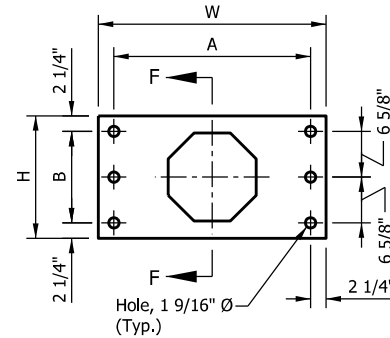
**DOUBLE ARM TRUSS CONNECTION
ELEVATION**



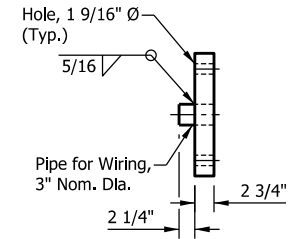
SECTION D-D



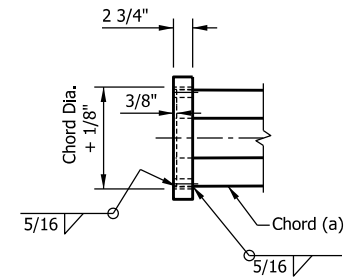
FLANGE PLATE



CHORD PLATE



SECTION E-E

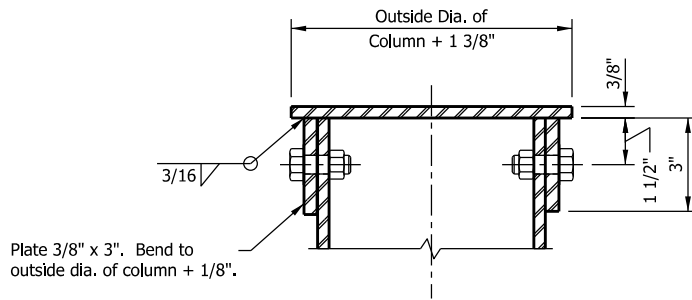


SECTION F-F

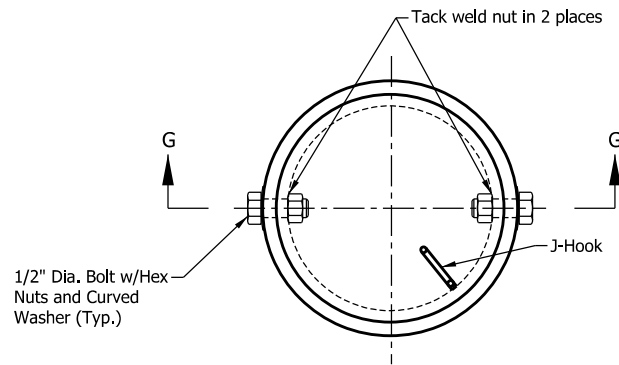
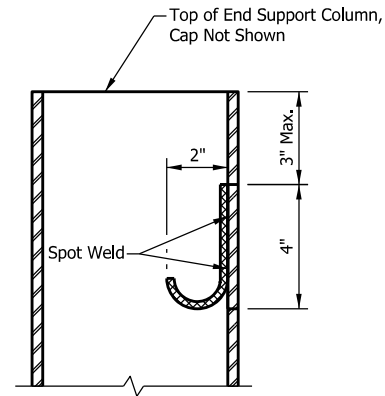
PLATE DIMENSIONS					
COLUMN DIAMETER	CHORD DIAMETER	W	H	A	B
18"	7 5/8"	2'-3"	1'-2"	1'-10 1/2"	9 1/2"
20"	10 3/4"	2'-5"	1'-5"	2'-0 1/2"	1'-0 1/2"
24"	14"	2'-9"	1'-6"	2'-4 1/2"	1'-1 1/2"

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE
DOUBLE ARM
CONNECTION TO COLUMN DETAILS



SECTION G-G

PLAN
TOP CAP - STEEL COLUMN

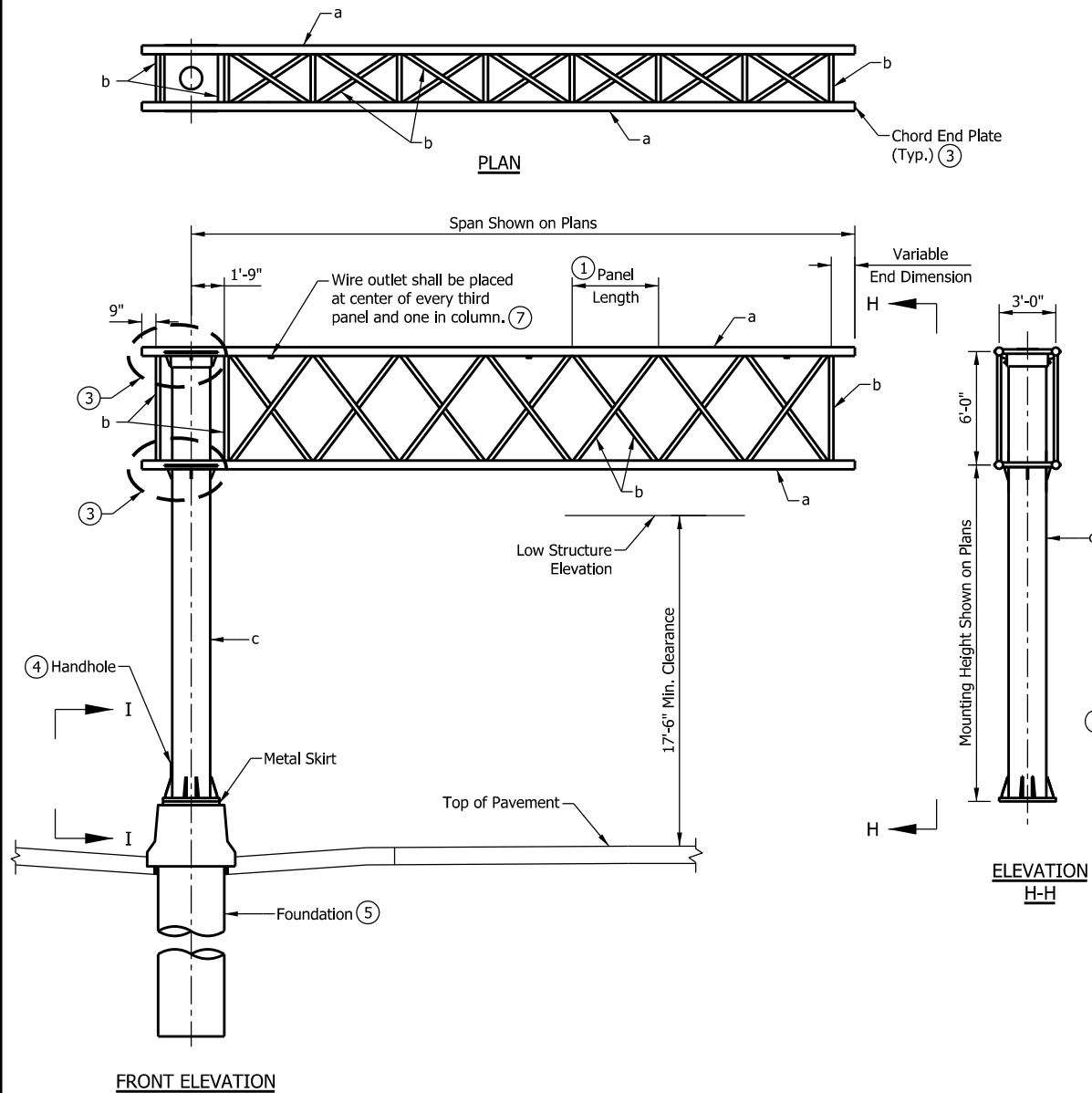
CABLE J-HOOK

NOTES:

1. J-hook shall consist of 3/8" dia. bars constructed as shown, and spot-welded to inside of the columns.
2. Cap bolts used to attach top cap of columns shall be located to miss J-hook.

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE
DOUBLE ARM COLUMN TOP CAP
AND CABLE J-HOOK

**NOTES:**

- (1) See Sheet 8 for panel dimensions and member sizes.
2. Maximum deviation of a chord from a straight line shall be 1/8".
- (3) See Sheets 9 through 11 for quadri-chord arm connection, weld details, chord end plate details, and camber.
- (4) See Sheet 13 for handhole detail.
- (5) See Sheets 15, 16, 18, 19, 21, and 22 for foundation details.
- (6) See Sheet 13 for I.D. tag detail.
- (7) See Sheet 10 for wire outlet detail.

LEGEND:

- a - Chord
- b - Interior members:
Verticals and vertical diagonals in front and back faces, and
horizontals and horizontal diagonals in top and bottom faces of arm.
- c - Column

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE
QUADRI-CHORD
PLAN AND ELEVATION

PANEL DIMENSIONS			
SPAN	NO. OF PANELS	PANEL LENGTH	VARIABLE END DIMENSION
21'	5	3'-9"	0'-6"
22'	5	3'-9"	1'-6"
23'	5	4'-0"	1'-3"
24'	5	4'-3"	1'-0"
25'	5	4'-6"	0'-9"
26'	6	3'-9"	1'-9"
27'	6	4'-0"	1'-3"
28'	6	4'-3"	0'-9"
29'	6	4'-3"	1'-9"
30'	6	4'-6"	1'-3"
31'	7	4'-0"	1'-3"
32'	7	4'-3"	0'-6"
33'	7	4'-3"	1'-6"
34'	7	4'-6"	0'-9"
35'	7	4'-6"	1'-9"

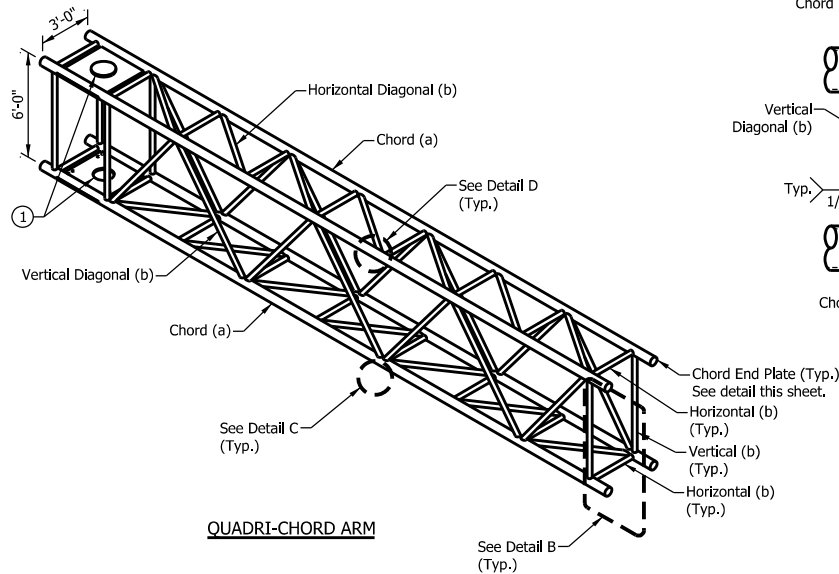
NOTES:

1. All panels in a structure shall be the same length. The minimum panel length is 3'-9" and the maximum is 4'-6".
2. See Sheet 9 for connections, weld details, and required camber.
3. For base plate, anchor bolt, and metal skirt details see Sheet 12.
4. All member diameters shown are outside diameters.
- ⑤ Quadri-chord arm chord shape shall be circular with constant diameter.

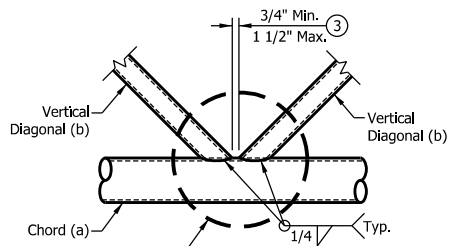
QUADRI-CHORD MEMBER SIZES									
STR. TYPE	MAX SPAN (FT.)	MAX SIGN AREA (FT.)	MAX MOUNTING HEIGHT (FT.)	⑤ CHORD a		VERT./HORIZ./DIAG. b		COLUMN c	
				DIAMETER (IN.)	WALL THICK. (IN.)	DIAMETER (IN.)	WALL THICK. (IN.)	DIAMETER (IN.)	WALL THICK. (IN.)
D	25	300	24	5 9/16	0.258	2 7/8	0.203	24	0.562
E	30	300	24	5 9/16	0.258	2 7/8	0.203	24	0.562
F	35	300	24	5 9/16	0.375	2 7/8	0.276	24	0.688
G	25	400	24	5 9/16	0.375	2 7/8	0.276	24	0.968
H	30	400	24	5 9/16	0.375	2 7/8	0.276	24	0.968
I	35	400	24	5 9/16	0.375	2 7/8	0.276	24	0.968

INDIANA DEPARTMENT OF TRANSPORTATION

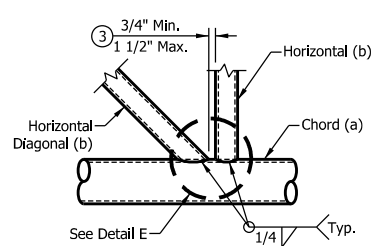
SIGN CANTILEVER STRUCTURE
QUADRI-CHORD
PANEL DIMENSIONS AND MEMBER SIZES



QUADRI-CHORD ARM

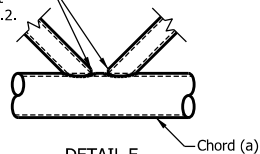


DETAIL C
TYPICAL PANEL CONNECTION

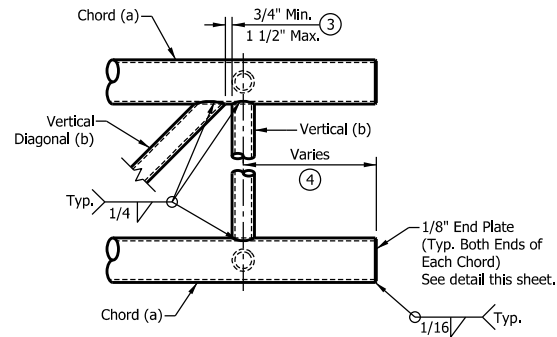


DETAIL D
TYPICAL PANEL CONNECTION

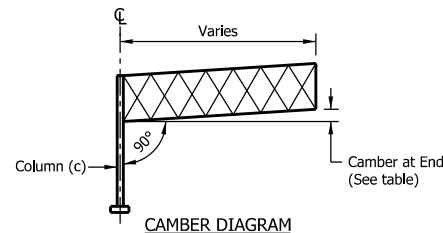
Top edge of diagonal member shall be cut back to facilitate throat thickness per AWS D.1, Fig. 3.2.



DETAIL E



DETAIL B

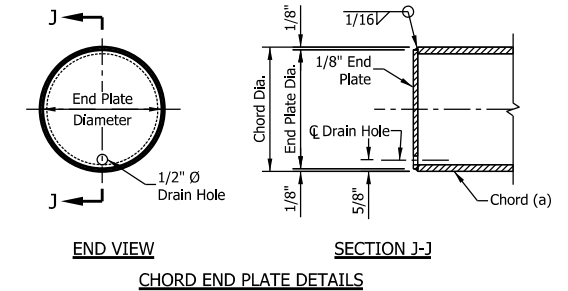


CAMBER DIAGRAM

QUADRI-CHORD ARM		
STR. TYPE	LENGTH	CAMBER AT END (IN.)
D	25'-0"	1.750
E	30'-0"	2.625
F	35'-0"	3.500
G	25'-0"	1.250
H	30'-0"	2.000
I	35'-0"	3.000

NOTES:

- See Sheets 10 and 11 for quadri-chord arm connection to column details.
- See Sheet 8 for panel dimensions and member sizes.
- Vertical diagonals shall be placed for minimum offset from the panel point such that the offset shall provide a 3/4" minimum to 1 1/2" maximum clearance between each diagonal and vertical member, and to provide clearance for U-bolt connections to signs.
- For variable end dimension, see table on Sheet 8.



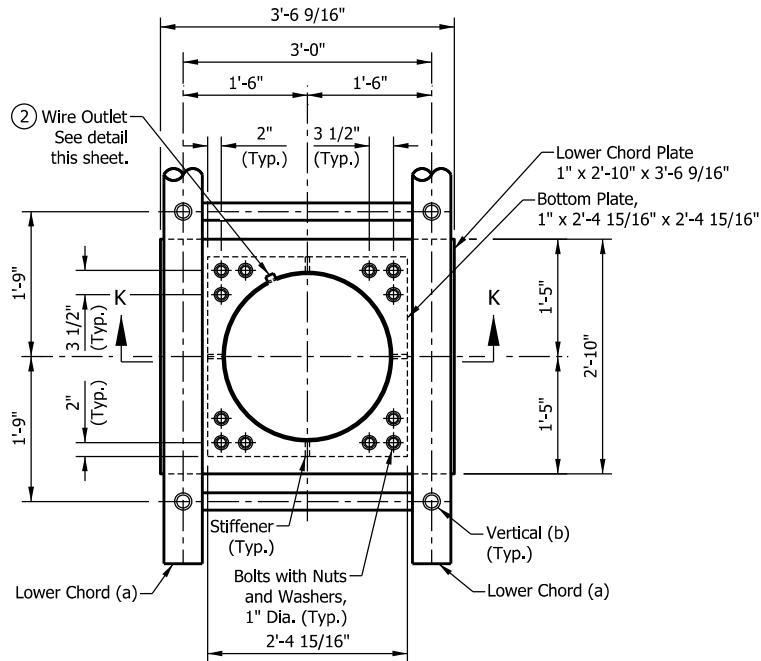
END VIEW

SECTION J-J

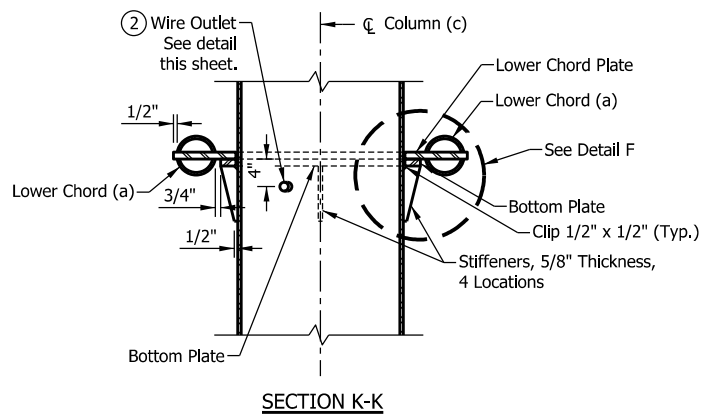
CHORD END PLATE DETAILS

INDIANA DEPARTMENT OF TRANSPORTATION

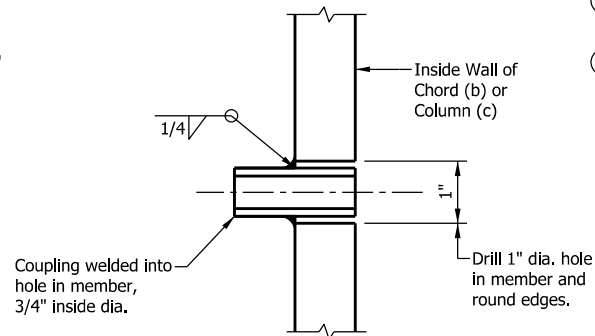
SIGN CANTILEVER STRUCTURE
QUADRI-CHORD CONNECTIONS, WELD DETAILS,
CHORD END PLATE DETAILS, AND CAMBER



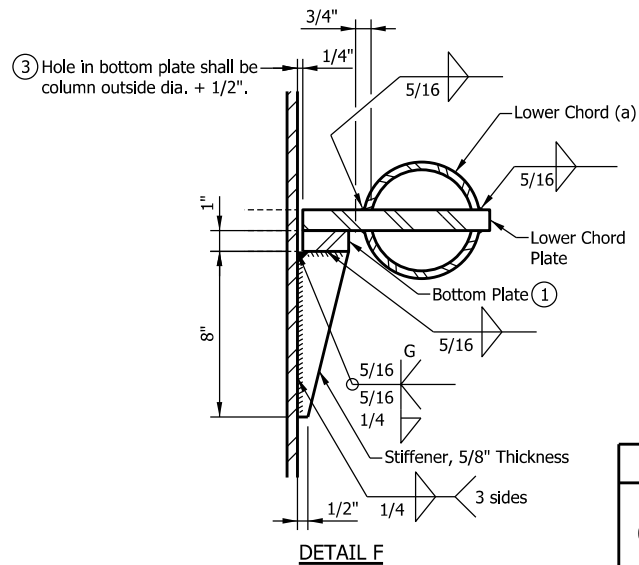
PLAN VIEW THROUGH COLUMN ABOVE LOWER CHORDS



SECTION K-K



TYPICAL WIRE OUTLET



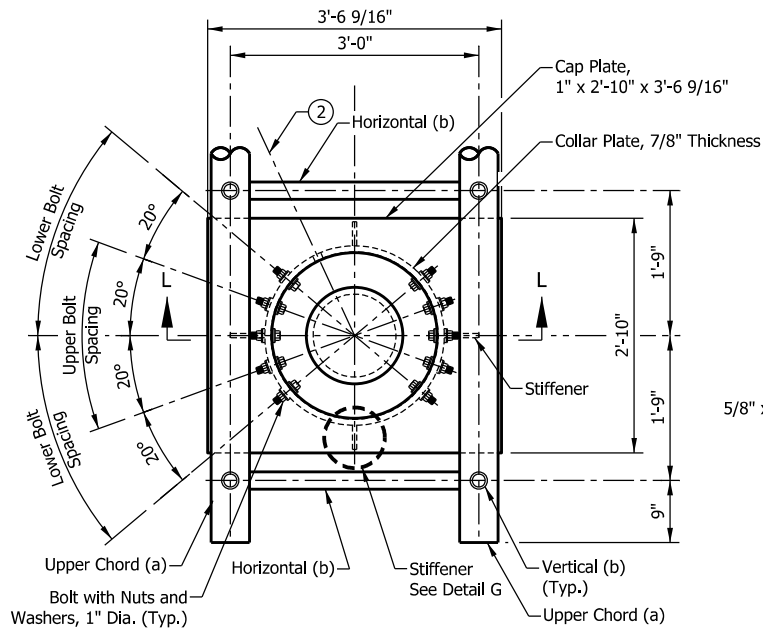
DETAIL F

NOTES:

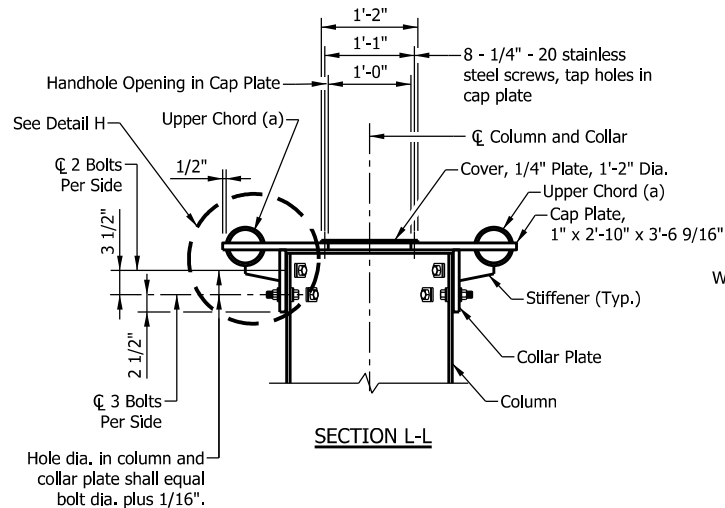
- ① Grind top of bottom plate if required to fully seat lower chord plate. Repair damaged galvanizing before assembly.
- ② Orient pipe toward sign. Hole diameter in column shall equal outside pipe diameter + 1/8".
- ③ After tightening lower connection bolts, fill gap with non-hardening silicone caulk suitable for exterior exposure.

INDIANA DEPARTMENT OF TRANSPORTATION

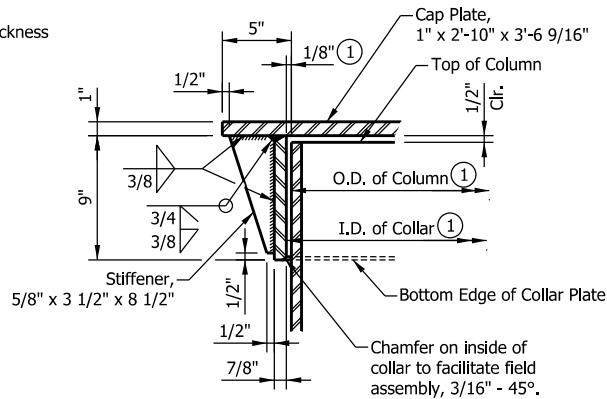
SIGN CANTILEVER STRUCTURE
QUADRI-CHORD ARM CONNECTION (LOWER)
TO COLUMN AND WIRE OUTLET DETAIL



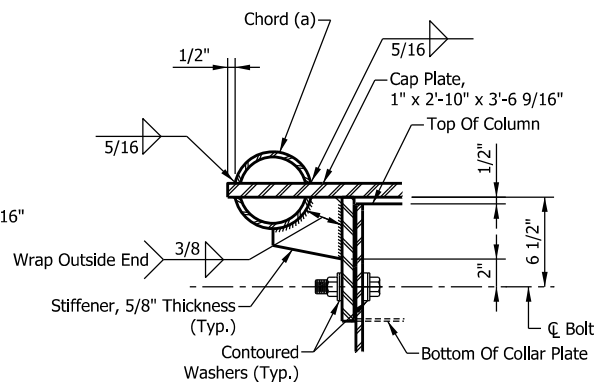
**PLAN VIEW - TOP OF COLUMN
ABOVE UPPER CHORDS**



SECTION L-L



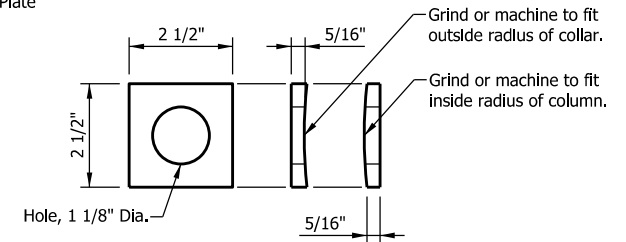
DETAIL G



DETAIL H

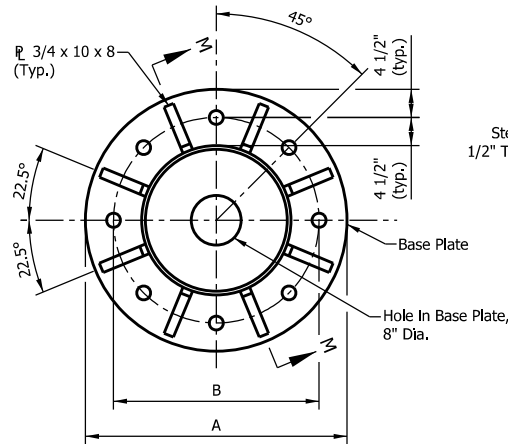
NOTES:

- ① After galvanizing, collar inside diameter shall equal outside diameter of galvanized column plus $1/8" \pm 1/16"$. Maximum gap between column and collar shall be $1/8"$ before tightening bolts.
- ② Optional full penetration weld in collar may be made at two locations, 180° apart. X-ray or ultrasonic test (UT) 100%.
3. See Sheet 8 for dimensions and member sizes.

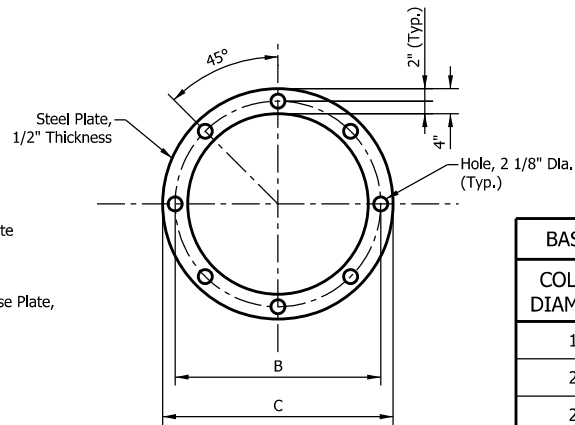


CONTOURED WASHER

INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE
QUADRI-CHORD
ARM CONNECTION (UPPER) TO COLUMN



PLAN

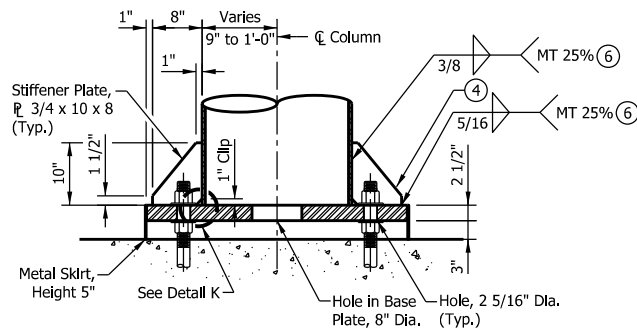


ANCHOR AND POSITIONING PLATE

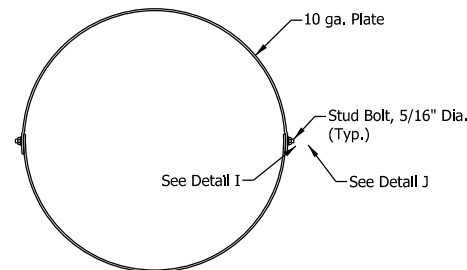
BASE PLATE DIMENSIONS			
COLUMN DIAMETER	A	B	C
18"	3'-0"	2'-3"	2'-7"
20"	3'-2"	2'-5"	2'-9"
24"	3'-6"	2'-9"	3'-1"

NOTES:

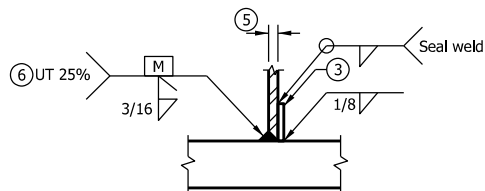
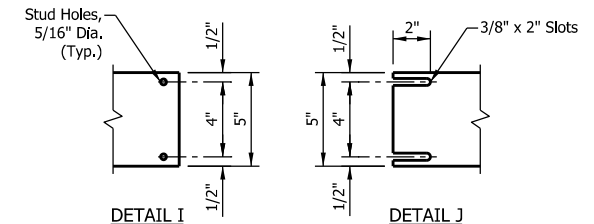
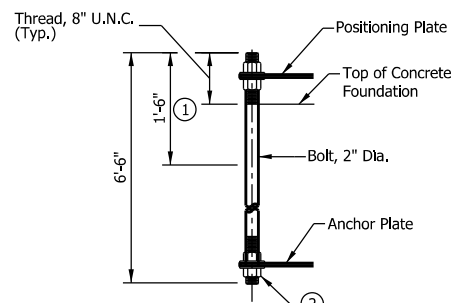
- ① Minimum length which shall be galvanized. Entire bolt may be galvanized at contractor's option.
- ② Provide uncoated nut at bottom of anchor plate. Deform thread or use chemical thread lock to secure.
- ③ Use continuous backer ring, 5/16" x 2" minimum. Tack weld only in root area of final weld.
- ④ Anchor bolt nuts shall be tightened against the base plate by turning the nut a minimum of 1/6 turn from snug tight condition.
- ⑤ See Sheets 3 and 8 for column wall thickness.
- ⑥ UT - Ultrasonic Testing, 25% of entire column to base plate weld.
MT - Magnetic Particle Testing, 25% or 1 side of 4 stiffeners.



SECTION M-M



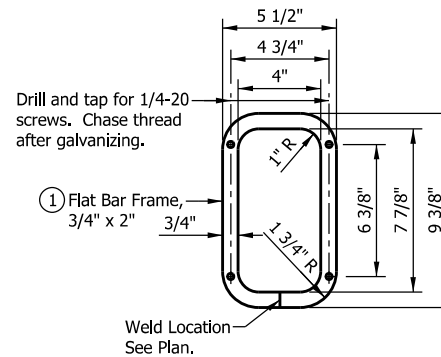
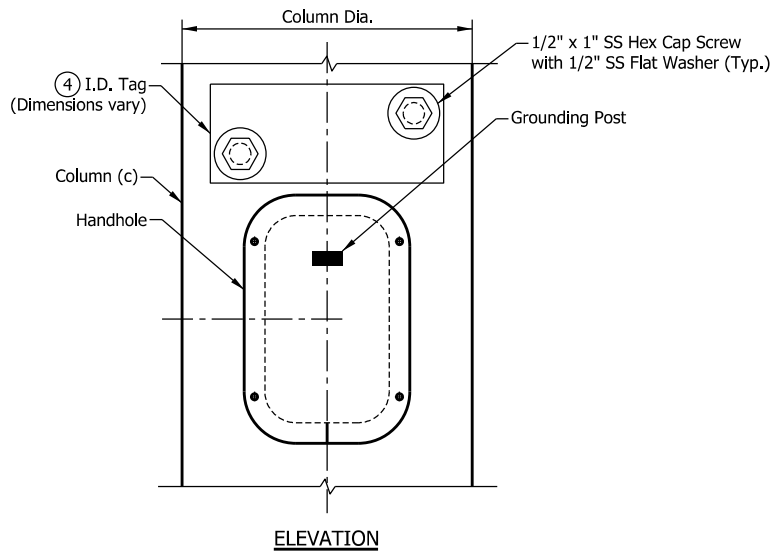
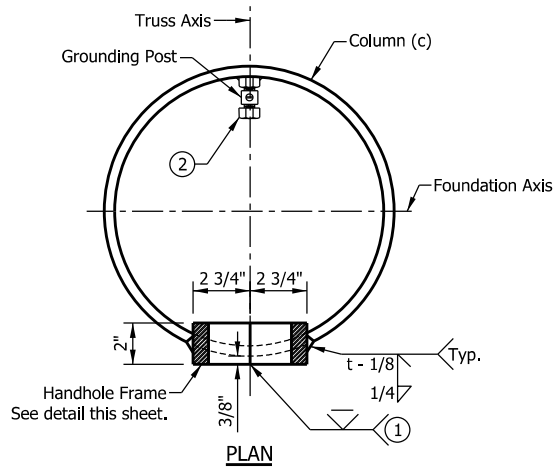
SKIRT DETAIL

DETAIL K
BASE PLATE WELD

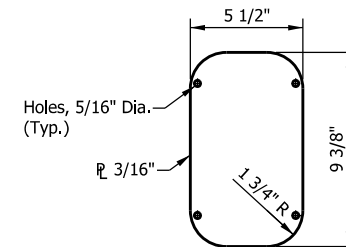
ANCHOR BOLT DETAIL

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE
DOUBLE ARM AND QUADRI-CHORD BASE PLATE,
ANCHOR BOLT, AND METAL SKIRT DETAILS



HANDHOLE FRAME



HANDHOLE COVER

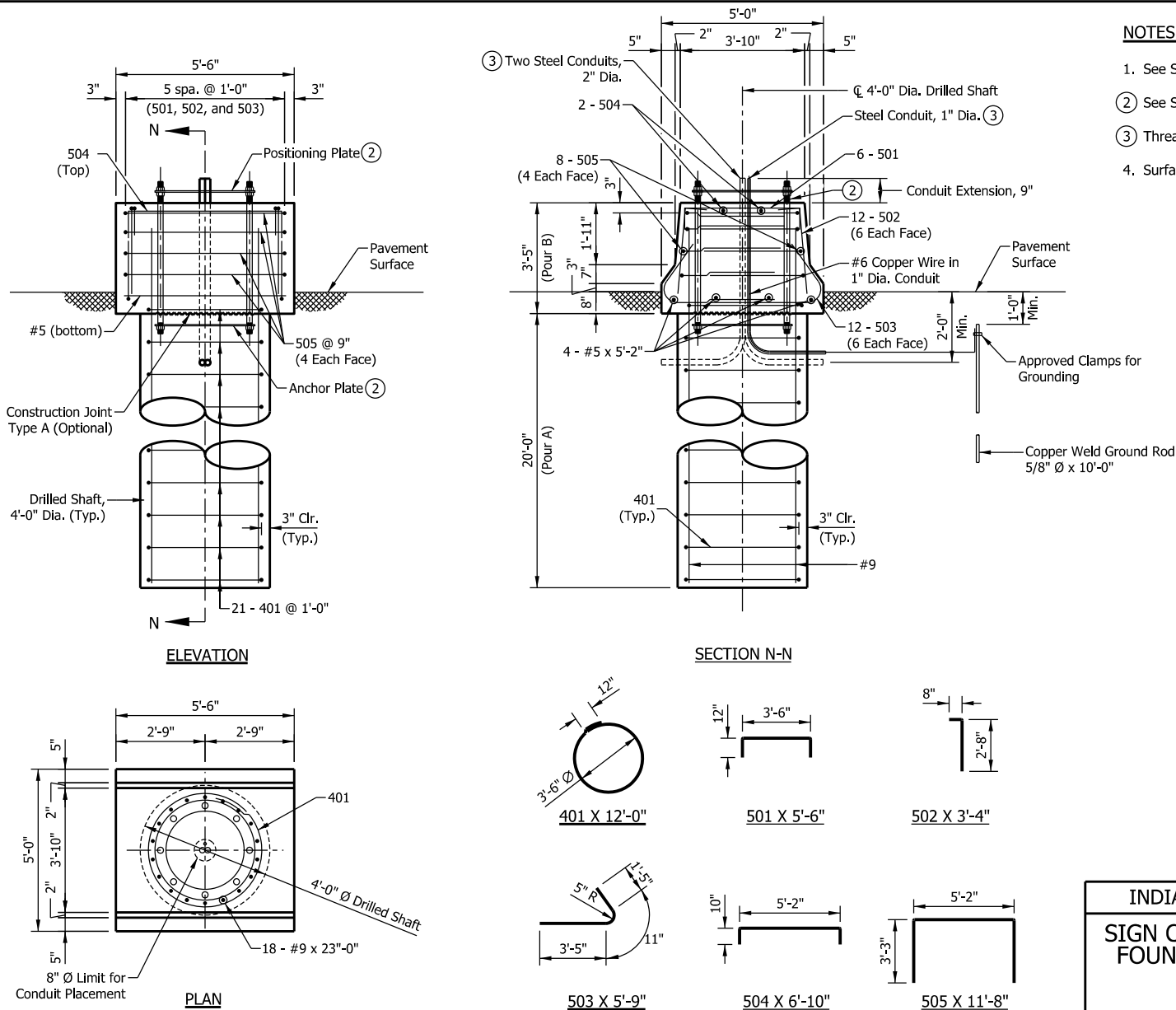
NOTES:

- ① In lieu of fabricated handhole frame as shown, frame may be cut from 2" plate with rolling direction vertical.
- ② See Standard Drawing E 802-SNWR-03 for grounding post details. Grounding post shall be placed on far side of support directly opposite center of handhole.
3. See Sheets 2 and 7 for handhole locations.
- ④ I.D. tag is a 1/8" stainless steel plate with the following information stamped in 1/2" black letters:

Manufacturer _____, Drawing/Order # _____
 Contract # _____, Structure Type _____
 Fabrication Date _____, Arm Length _____
 Pole Mounting Height _____

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE
 DOUBLE ARM AND QUADRI-CHORD
 COLUMN HANDHOLE AND I.D. TAG DETAILS

**NOTES:**

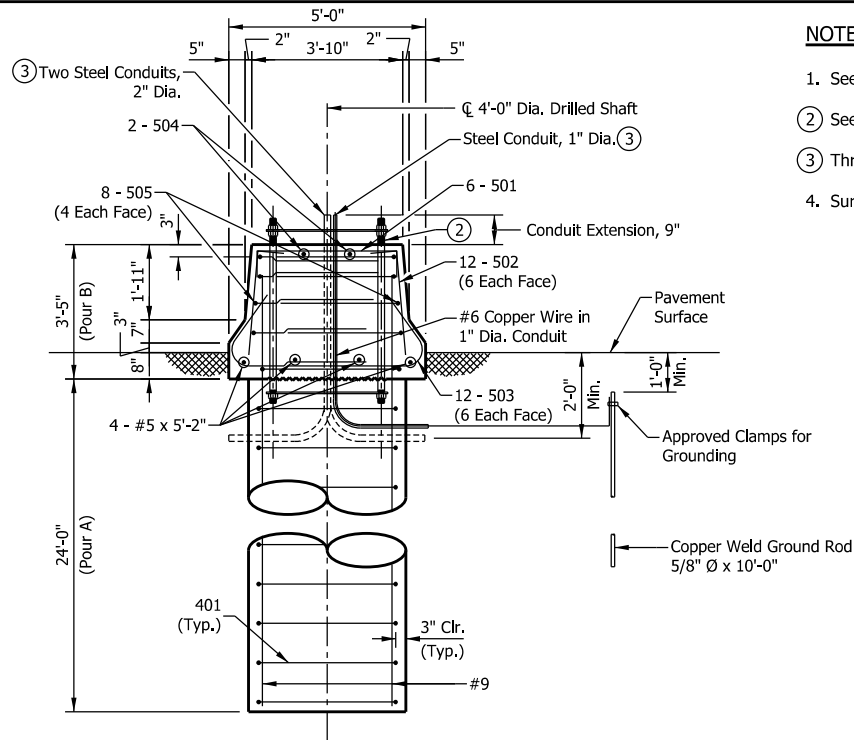
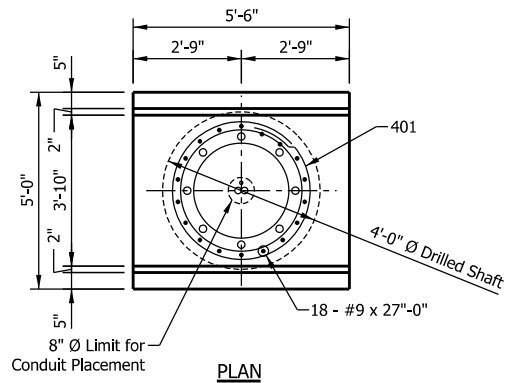
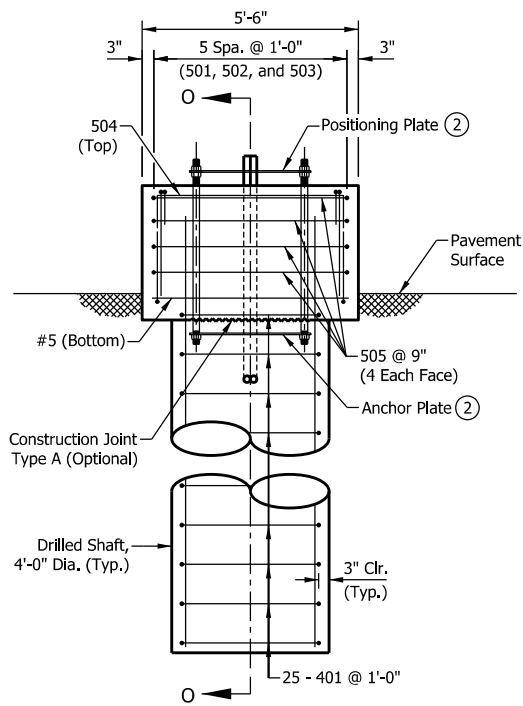
1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
- ② See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ③ Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	23'-0"	
Total #9			1408 LBS
501	6	5'-6"	
502	12	3'-4"	
503	12	5'-9"	
504	2	6'-10"	
505	8	11'-8"	
#5	4	5'-2"	
Total #5			281 LBS
401	21	12'-0"	
Total #4			168 LBS
Total Epoxy-Coated Reinforcing Bars			1857 LBS
CONCRETE, CLASS A			
Pour A			9.3 CYS
Pour B			3.0 CYS
Total Concrete, Class A			12.3 CYS
MISCELLANEOUS			
Surface Seal			5.9 SYS

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE TYPE A OR B

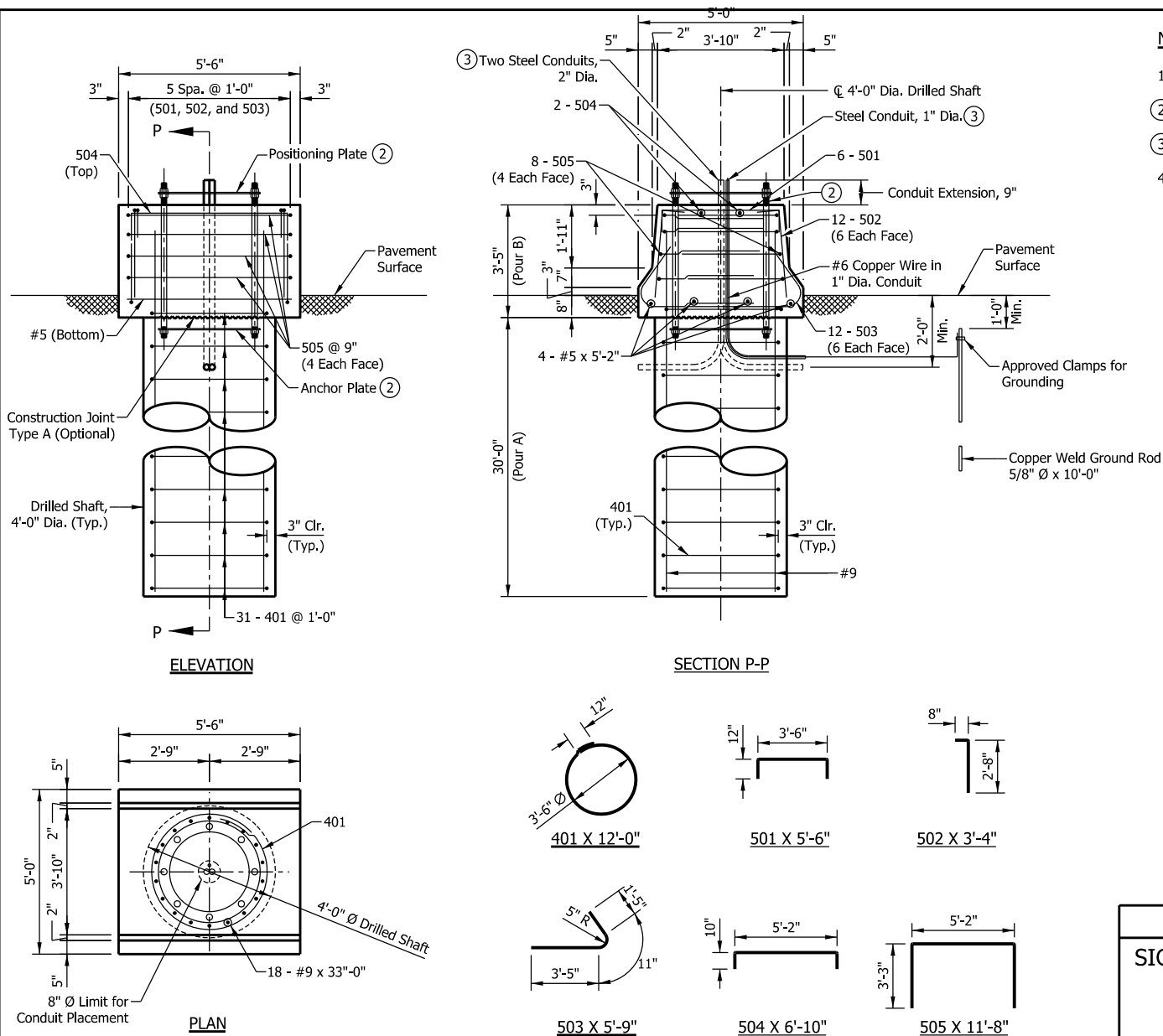
FOUNDATION AT 33" CONCRETE BARRIER

**NOTES:**

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
- ② See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ③ Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	27'-0"	
Total #9			1652 LBS
501	6	5'-6"	
502	12	3'-4"	
503	12	5'-9"	
504	2	6'-10"	
505	8	11'-8"	
#5	4	5'-2"	
Total #5			281 LBS
401	25	12'-0"	
Total #4			200 LBS
Total Epoxy-Coated Reinforcing Bars			2133 LBS
CONCRETE, CLASS A			
Pour A			11.2 CYS
Pour B			3.0 CYS
Total Concrete, Class A			14.2 CYS
MISCELLANEOUS			
Surface Seal			5.9 SYS

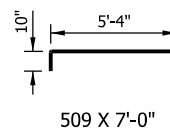
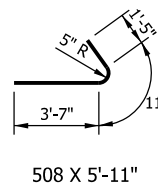
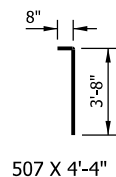
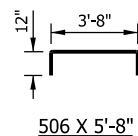
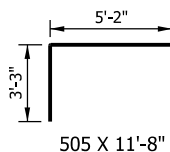
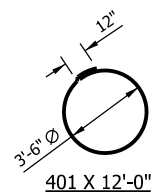
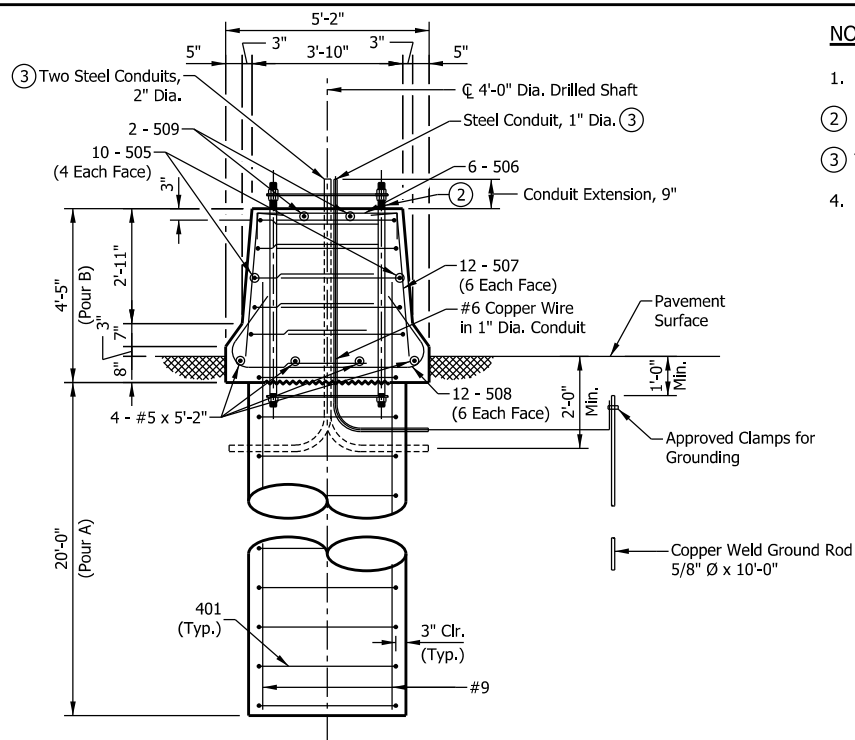
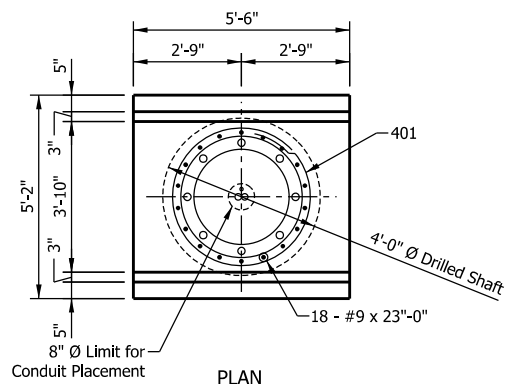
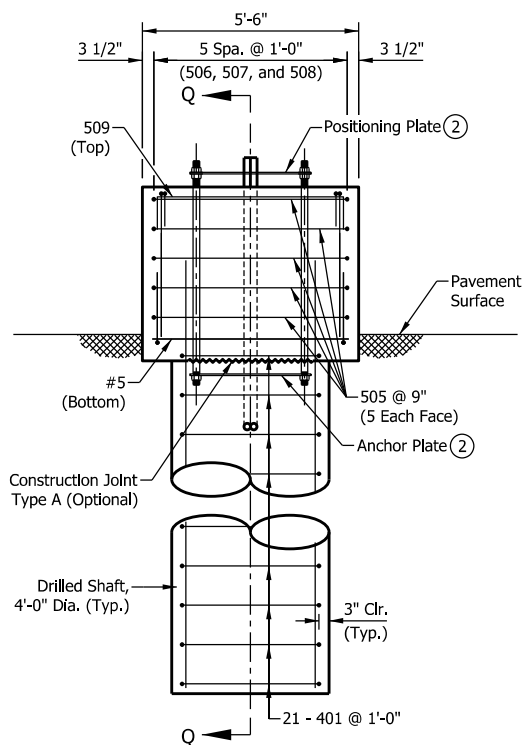
INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE TYPE C, D, E, OR F
FOUNDATION AT 33" CONCRETE BARRIER

**NOTES:**

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
- ② See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ③ Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	33'-0"	
Total #9			2020 LBS
501	6	5'-6"	
502	12	3'-4"	
503	12	5'-9"	
504	2	6'-10"	
505	8	11'-8"	
#5	4	5'-2"	
Total #5			281 LBS
401	31	12'-0"	
Total #4			248 LBS
Total Epoxy-Coated Reinforcing Bars			2549 LBS
CONCRETE, CLASS A			
Pour A			14.0 CYS
Pour B			3.0 CYS
Total Concrete, Class A			17.0 CYS
MISCELLANEOUS			
Surface Seal			5.9 SYS

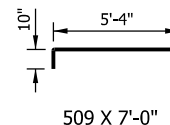
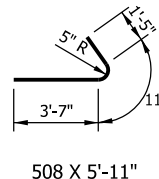
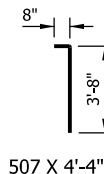
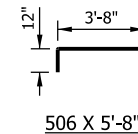
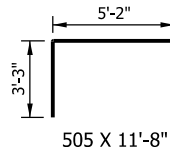
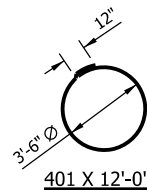
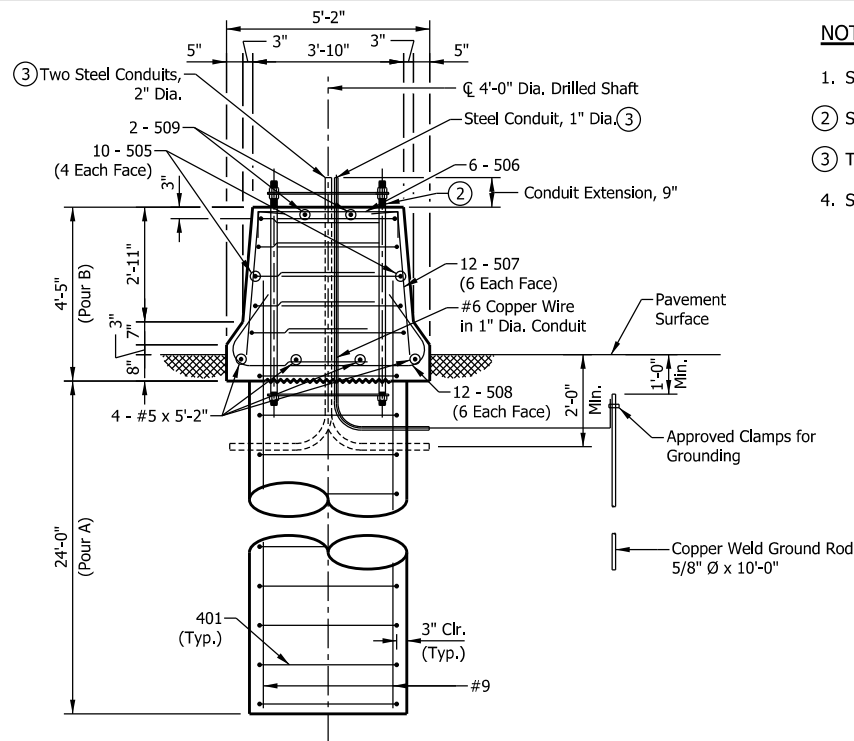
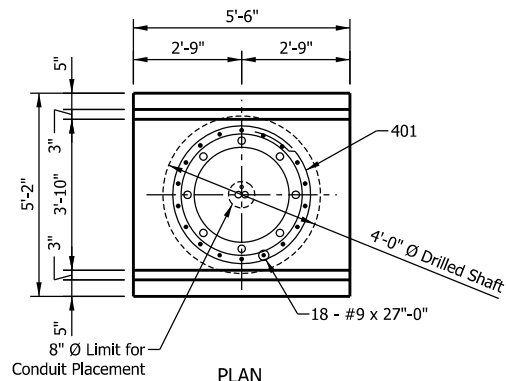
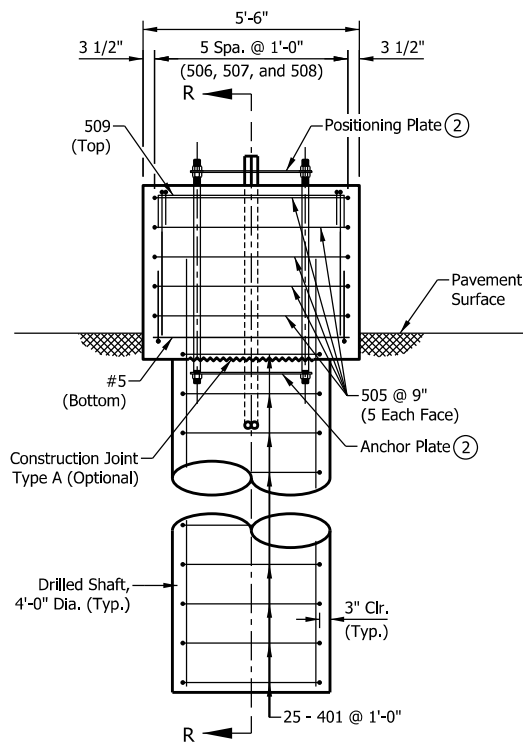
INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE TYPE G, H, OR I
FOUNDATION AT 33" CONCRETE BARRIER

**NOTES:**

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. See Sheet 12 for anchor and positioning plate and anchor bolt details.
3. Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	23'-0"	
Total #9			1408 LBS
505	10	11'-8"	
506	6	5'-8"	
507	12	4'-4"	
508	12	5'-11"	
509	2	7'-0"	
#5	4	5'-2"	
Total #5			322 LBS
401	21	12'-0"	
Total #4			168 LBS
Total Epoxy-Coated Reinforcing Bars			1898 LBS
CONCRETE, CLASS A			
Pour A			9.3 CYS
Pour B			4.0 CYS
Total Concrete, Class A			13.3 CYS
MISCELLANEOUS			
Surface Seal			7.1 SYS

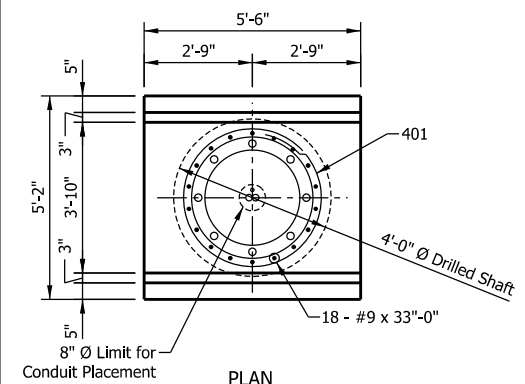
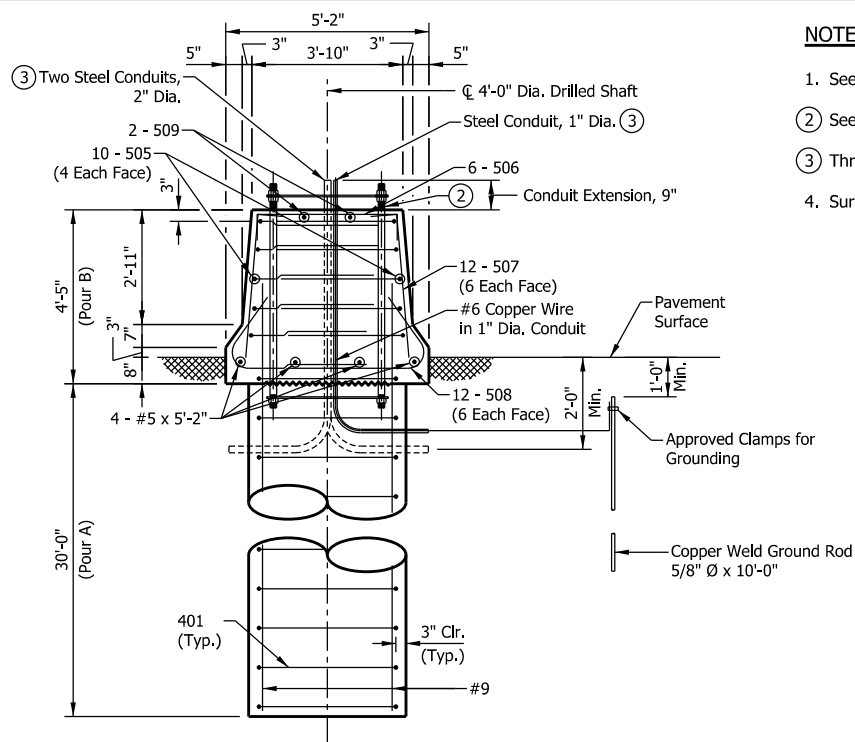
INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE TYPE A OR B
FOUNDATION AT 45" CONCRETE BARRIER

**NOTES:**

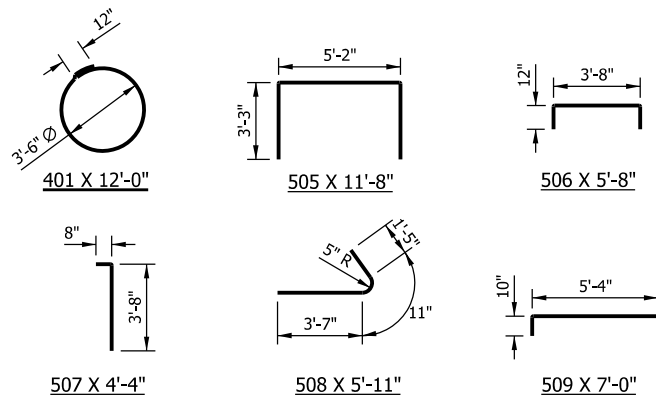
1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
2. See Sheet 12 for anchor and positioning plate and anchor bolt details.
3. Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	27'-0"	
Total #9			1652 LBS
505	10	11'-8"	
506	6	5'-8"	
507	12	4'-4"	
508	12	5'-11"	
509	2	7'-0"	
#5	4	5'-2"	
Total #5			322 LBS
401	25	12'-0"	
Total #4			200 LBS
Total Epoxy-Coated Reinforcing Bars			1848 LBS
CONCRETE, CLASS A			
Pour A			11.2 CYS
Pour B			4.0 CYS
Total Concrete, Class A			15.2 CYS
MISCELLANEOUS			
Surface Seal			7.1 SYS

INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE TYPE C, D, E, OR F
FOUNDATION AT 45" CONCRETE BARRIER

ELEVATION

SECTION S-S

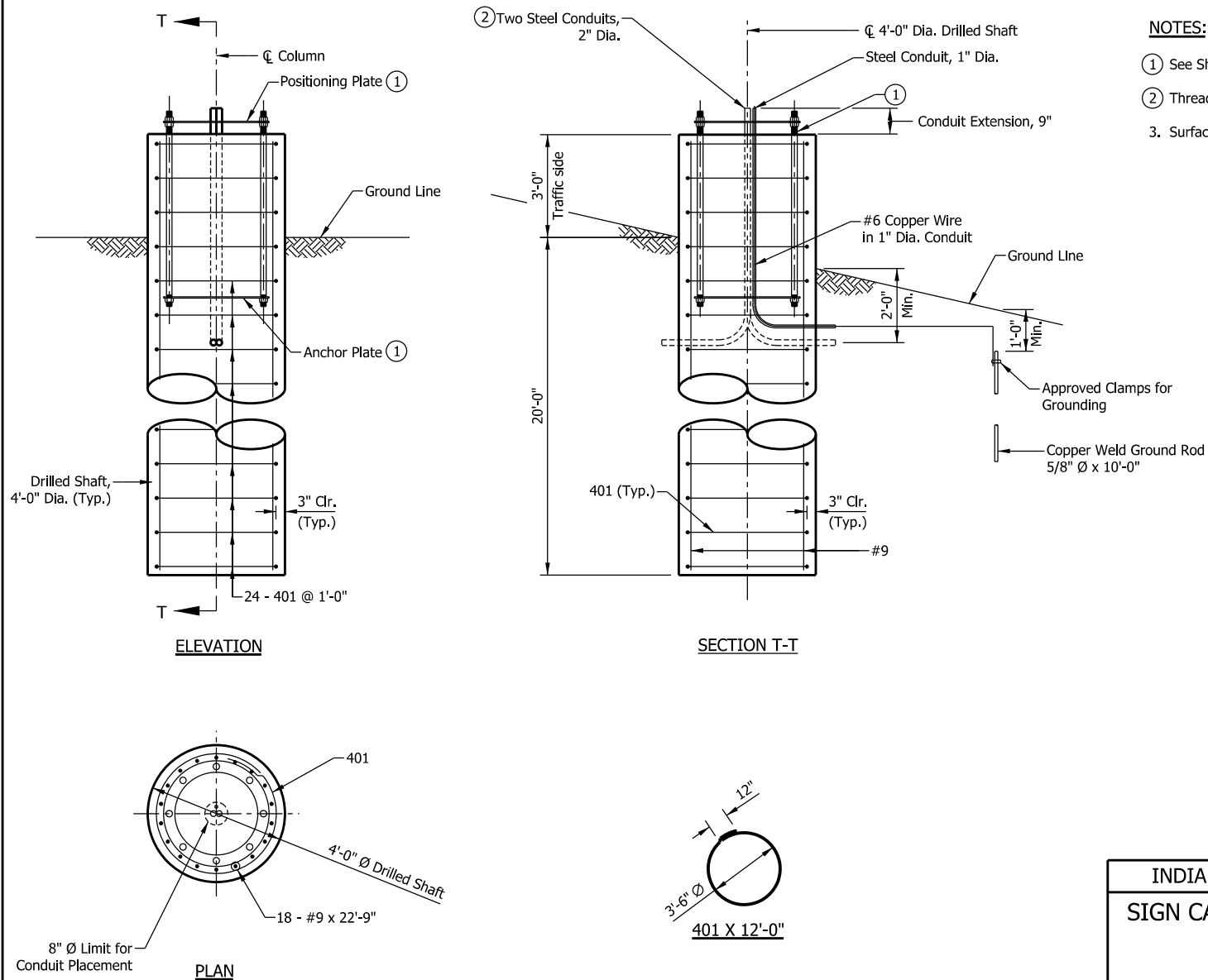


NOTES:

1. See Standard Drawing E 602-CCMB-03 for barrier wall width transition.
- ② See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ③ Thread and cap both ends of steel conduit.
4. Surface seal top and sides of barrier railing to the pavement surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	33'-0"	
Total #9			2020 LBS
505	10	11'-8"	
506	6	5'-8"	
507	12	4'-4"	
508	12	5'-11"	
509	2	7'-0"	
#5	4	5'-2"	
Total #5			322 LBS
401	31	12'-0"	
Total #4			248 LBS
Total Epoxy-Coated Reinforcing Bars			2698 LBS
CONCRETE, CLASS A			
Pour A			13.9 CYS
Pour B			4.0 CYS
Total Concrete, Class A			17.9 CYS
MISCELLANEOUS			
Surface Seal			7.1 CYS

INDIANA DEPARTMENT OF TRANSPORTATION
SIGN CANTILEVER STRUCTURE TYPE G, H, OR I FOUNDATION AT 45" CONCRETE BARRIER

**NOTES:**

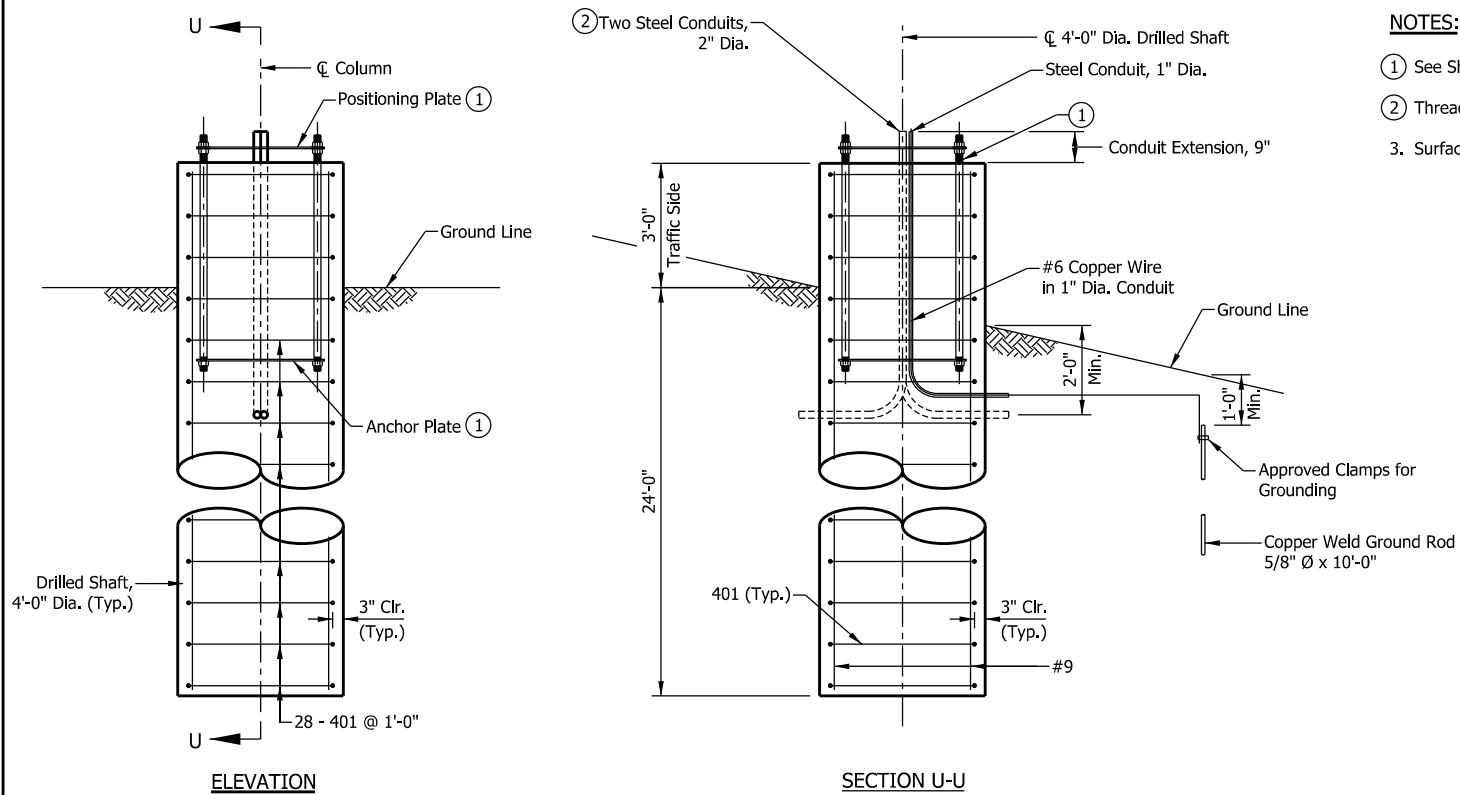
- ① See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ② Thread and cap both ends of steel conduit.
3. Surface seal top and sides of foundation to the ground surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	22'-9"	
Total #9			1392 LBS
401	24	12'-0"	
Total #4			192 LBS
Total Epoxy-Coated Reinforcing Bars			1584 LBS
MISCELLANEOUS			
Concrete, Class A			10.7 CYS
Surface Seal			4.3 SYS

INDIANA DEPARTMENT OF TRANSPORTATION

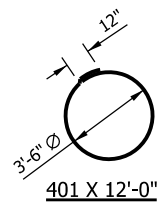
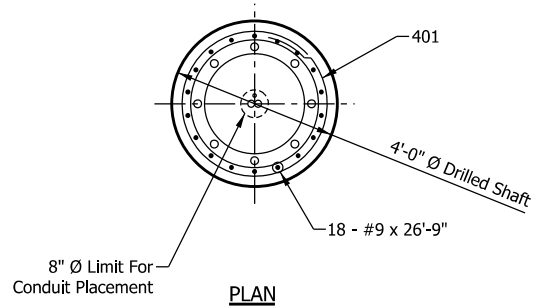
SIGN CANTILEVER STRUCTURE TYPE A OR B

FOUNDATION, 36" HEIGHT

**NOTES:**

- ① See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ② Thread and cap both ends of steel conduit.
3. Surface seal top and sides of foundation to the ground surface.

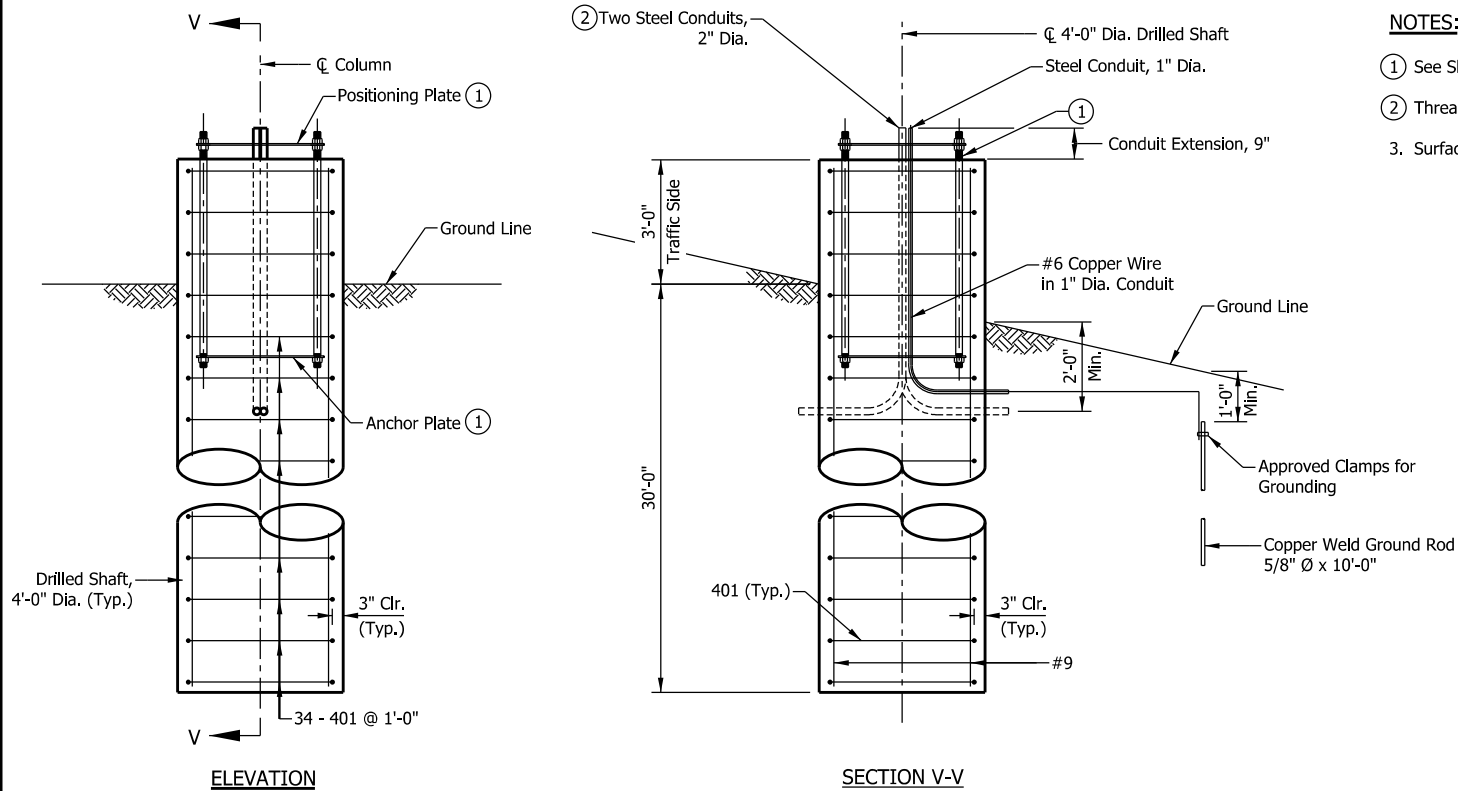
BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	26'-9"	
Total #9			1637 LBS
401	28	12'-0"	
Total #4			224 LBS
Total Epoxy-Coated Reinforcing Bars			1861 LBS
MISCELLANEOUS			
Concrete, Class A			12.6 CYS
Surface Seal			4.3 SYS



INDIANA DEPARTMENT OF TRANSPORTATION

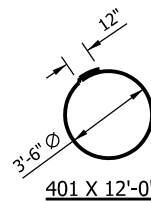
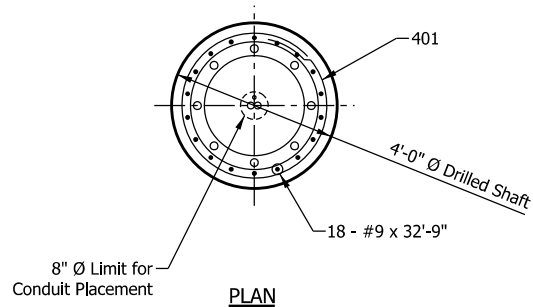
SIGN CANTILEVER STRUCTURE TYPE C, D, E, OR F

FOUNDATION, 36" HEIGHT

**NOTES:**

- ① See Sheet 12 for anchor and positioning plate and anchor bolt details.
- ② Thread and cap both ends of steel conduit.
3. Surface seal top and sides of foundation to the ground surface.

BILL OF MATERIALS			
EPOXY-COATED REINFORCING BARS			
MARK OR SIZE	NO. OF BARS	LENGTH	WEIGHT
#9	18	32'-9"	
Total #9			2004 LBS
401	34	12'-0"	
Total #4			273 LBS
Total Epoxy-Coated Reinforcing Bars			2277 LBS
MISCELLANEOUS			
Concrete, Class A			15.4 CYS
Surface Seal			4.3 SYS



INDIANA DEPARTMENT OF TRANSPORTATION

SIGN CANTILEVER STRUCTURE TYPE G, H, OR I

FOUNDATION, 36" HEIGHT