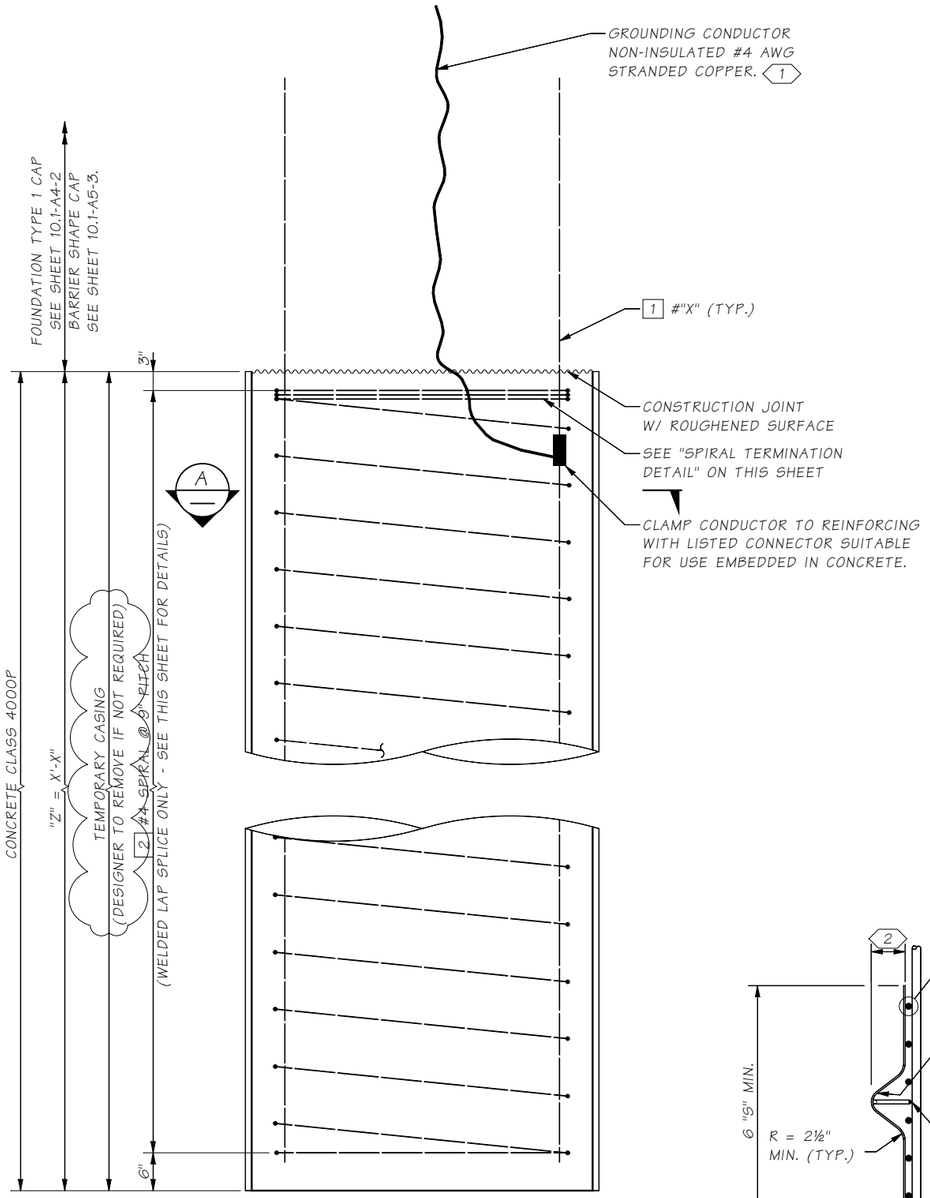
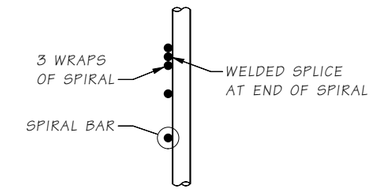
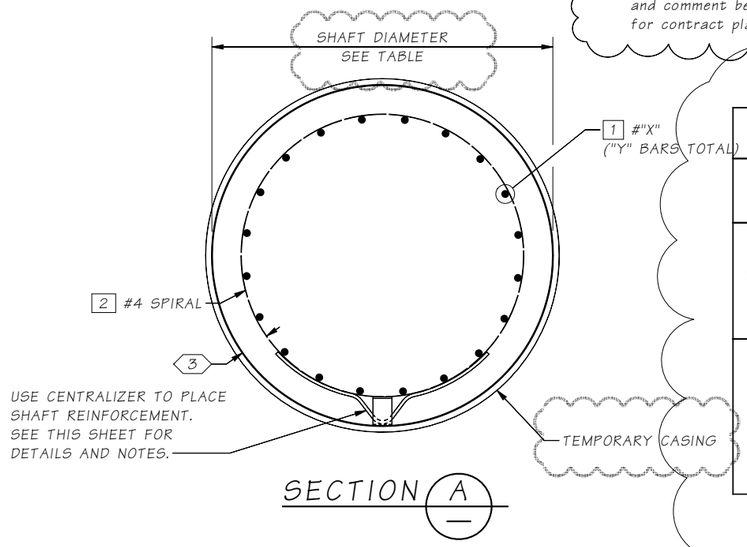


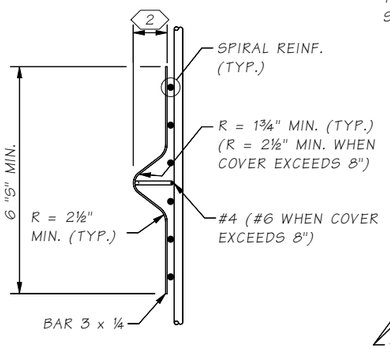
ELEVATION



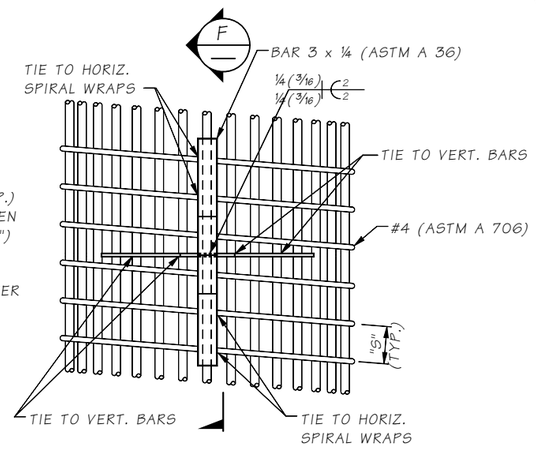
SPIRAL TERMINATION DETAIL



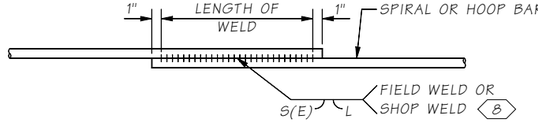
SECTION A



VIEW F



CENTRALIZER DETAIL 4 5 6 7



WELDED LAP SPLICE DETAIL

DEFORMED BAR	WELD DIMENSIONS (IN.)		
	S	E	LENGTH (L)
#4	¼	⅛	4

note to designer
remove foundation table and comment below for contract plans.

TYPE 1 FOUNDATION TABLE

	SPAN LENGTH ("S")	SHAFT DIAMETER	DEPTH ("Z")	FOUNDATION REINFORCEMENT	
				SIZE ("X")	NUMBER ("Y")
CANTILEVER SIGN	LESS THAN 20'-0"	4'-6"	11'-6"	9	12
	20'-0" TO 30'-0"	4'-6"	14'-0"	9	16
	30'-0" TO 35'-0"	4'-6"	18'-0"	9	20
SIGN BRIDGE	LESS THAN 60'-0"	4'-6"	14'-6"	9	18
	60'-0" TO 90'-0"	4'-6"	18'-0"	9	20
	90'-0" TO 120'-0"	5'-0"	20'-9"	11	15 BUNDLED PAIRS
	120'-0" TO 180'-0"	5'-6"	20'-9"	11	17 BUNDLED PAIRS

SHAFT DEPTH "Z" IS BASED ON ALLOWABLE LATERAL BEARING PRESSURE OF 2500 PSF OR MORE. DESIGNER TO VERIFY ABOVE ANGLE OF INTERNAL FRICTION & SOIL WEIGHT CORRESPONDS TO ALLOWABLE LATERAL BEARING PRESSURE OF 2500 PSF.

NOTES:

1. PROVIDE 3'-0" MIN. SLACK. ROUTE CONDUCTOR TO GROUND WIRE TERMINAL SHOWN IN DETAIL 1 ON SHEETS 10.1-A1-2, 10.1-A2-2, OR 10.1-A3-2
2. MINIMUM CONCRETE COVER MINUS ½".
3. SEE STD. SPEC. 6-19.3(5)c. FOR MINIMUM CONCRETE COVER.
4. SEE STD. SPEC. 6-19.3(5)b FOR SPACING REQUIREMENTS.
5. CENTRALIZERS SHALL BE EPOXY COATED OR PAINTED WITH PAINT CONFORMING TO STANDARD SPECIFICATION 9-08.1(2)c OR 9-08.1(2)f AFTER FABRICATION.
6. EACH LEG SHALL BE TIED TO TWO (2) VERTICAL BAR AND TWO (2) SPIRAL WRAPS OR TWO (2) HOOPS.
7. CAGECASTER® REBAR CAGE SPACERS BY FOUNDATION TECHNOLOGIES MAY BE USED IN LIEU OF DETAIL SHOWN. SPACING REQUIREMENTS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. EACH LEG SHALL BE TIED TO A MINIMUM OF TWO (2) SIPRAL WRAPS OR HOOPS.
8. WELDING SHALL MEET THE REQUIREMENTS OF STD. SPEC. 6-02.3(24)E FOR WELD DIMENSIONS, SEE SHAFT / HOOP OPTIONS TABLE THIS SHEET

Bridge Design Engr.	M:\STANDARDS\Sign Bridges\MT_SIGN_BRIDGE_FND_TYPE_1.MAN				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor					10	WASH.			
Designed By					JOB NUMBER				
Checked By									
Detailed By									
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist	DATE	REVISION	BY	APP'D					

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

STANDARD MONOTUBE SIGN STRUCTURES

MONOTUBE SIGN STRUCTURES FOUNDATION TYPE 1 - SHAFT DETAILS

BRIDGE SHEET NO.

SHEET OF SHEETS

Last revised on : 09/04/2020

SR JOB NO. 10.1-A4-1 SHEET

Fri Sep 04 09:38:40 2020