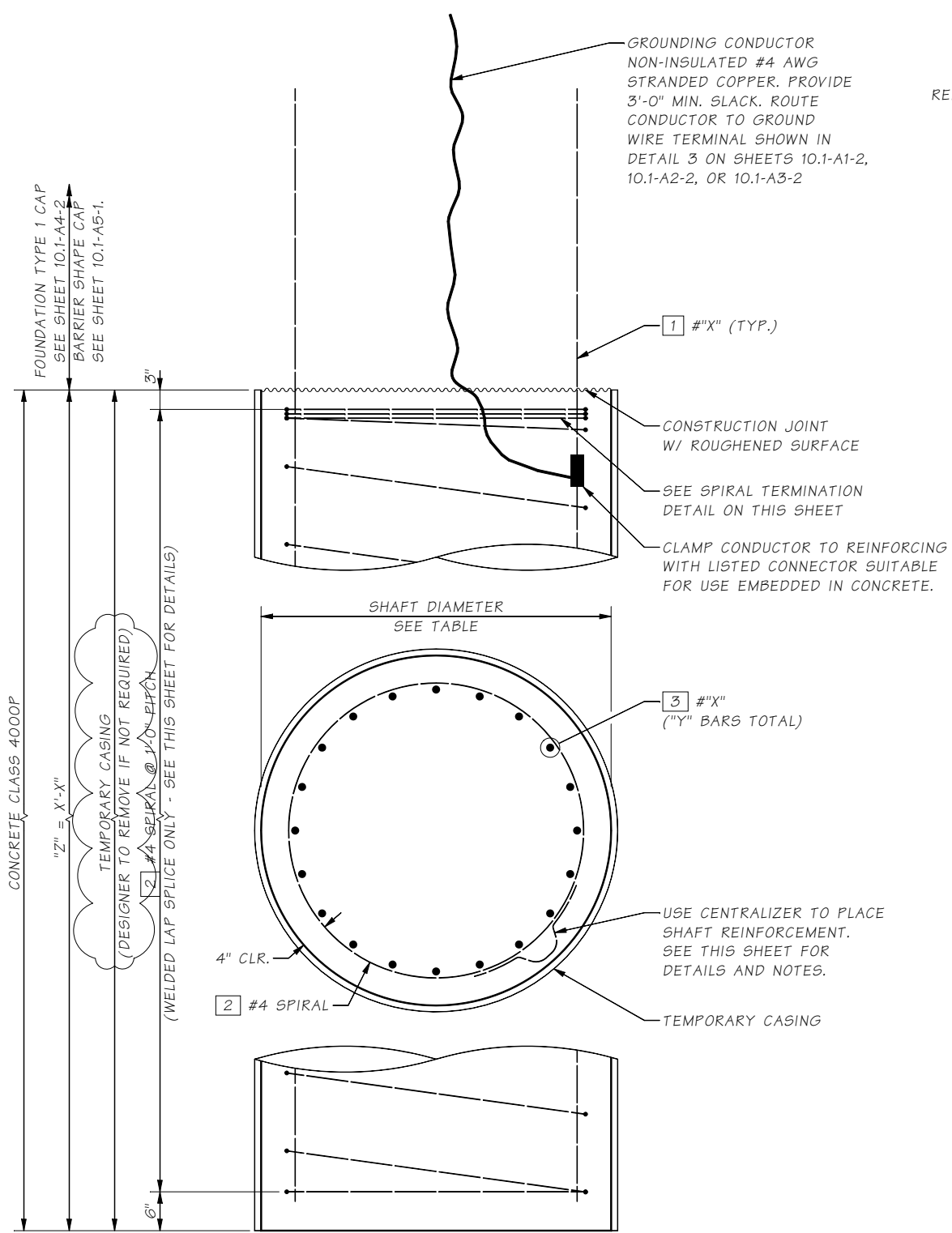
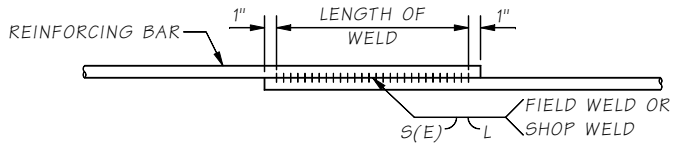


Last revised on : 4/25/16

SR JOB NO. 10.1-A4-1 SHEET



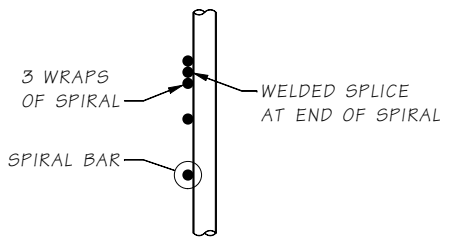
ELEVATION



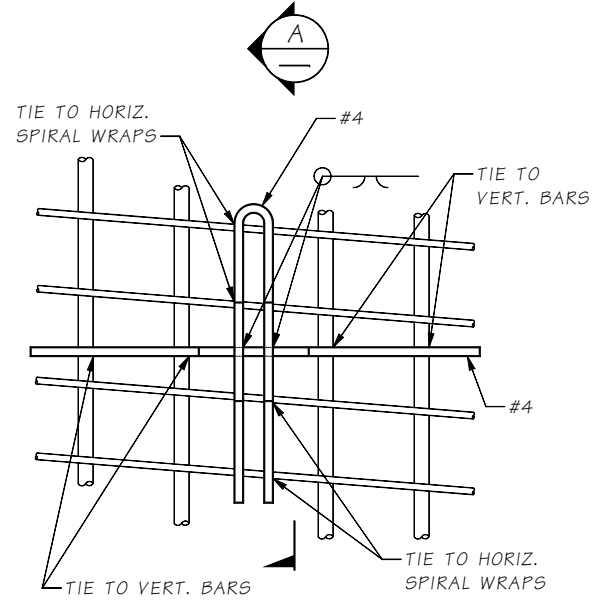
WELDED LAP SPlice DETAIL

WELDING SHALL MEET THE REQUIREMENTS OF
STD. SPEC. 6-02.3(24)E. FOR WELD DIMENSIONS,
SEE TABLE BELOW.

DEFORMED BAR	WELD DIMENSIONS (IN.)		
	S	E	LENGTH (L)
#4	1/4	1/8	4

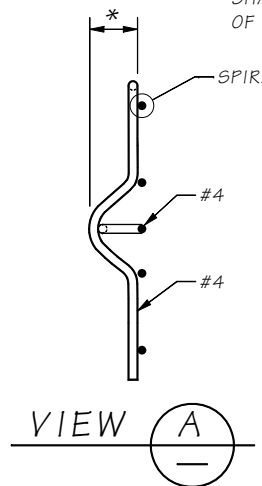


SPIRAL TERMINATION DETAIL



CENTRALIZER DETAIL

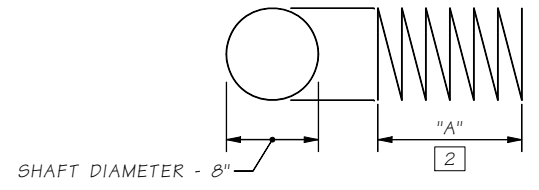
EPOXY COAT CENTRALIZER OR PAINT WITH INORGANIC ZINC AFTER FABRICATION



BENDING DIAGRAM

MARK	LOCATION	SIZE	NO. REQ'D.	LENGTH	
1	SHAFT VERTICAL	"X"	"Y"	"Z" + 3'-6"	STR.
2	SHAFT SPIRAL	4	1	"A"	

NOTE: CONCRETE COVER SHALL BE 1 1/2" UNLESS SHOWN OTHERWISE. "A" ~ DETERMINE FROM PLANS



SHAFT DEPTH "Z" IS BASED ON ALLOWABLE LATERAL BEARING PRESSURE OF 2500 PSF OR MORE.

note to designer
remove foundation table 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'-0"	22'-6"	11	17 BUNDLED PAIRS

SHAFT DEPTH "Z" IS BASED ON ALLOWABLE LATERAL BEARING PRESSURE OF 2500 PSF OR MORE.

CENTRALIZER DETAIL NOTES:

- CENTRALIZERS SHALL BE EPOXY COATED OR PAINTED WITH INORGANIC ZINC AFTER FABRICATION.
- EACH LEG SHALL BE TIED TO TWO VERTICAL BARS AND TWO SPIRAL WRAPS.
- SEE STD. SPEC. 6-19.3(5)B FOR SPACING REQUIREMENTS.
- * = CONCRETE COVER MINUS 1/2"

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	APPD		

BRIDGE AND STRUCTURES OFFICE



STANDARD MONOTUBE SIGN STRUCTURES
MONOTUBE SIGN STRUCTURES FOUNDATION TYPE 1 - SHAFT DETAILS

BRIDGE SHEET NO.
SHEET
OF
SHEETS