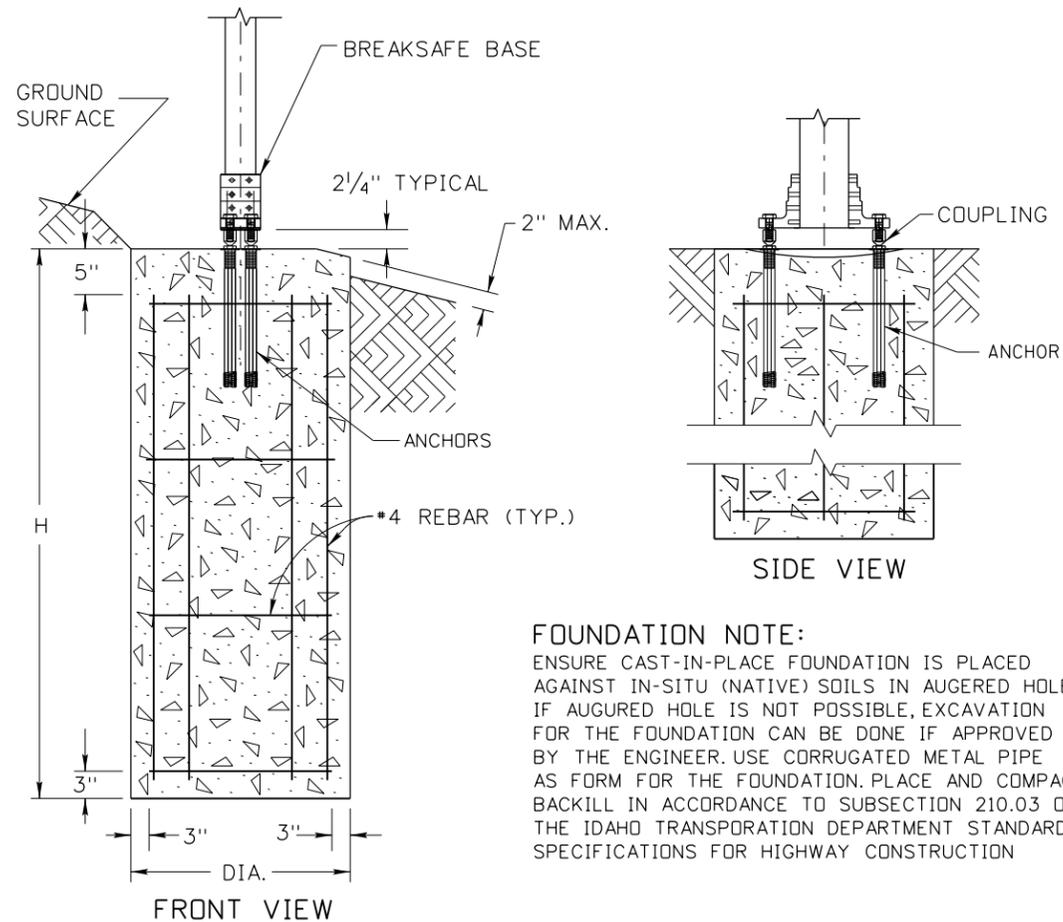


TYPICAL FOUNDATION
TOP VIEW



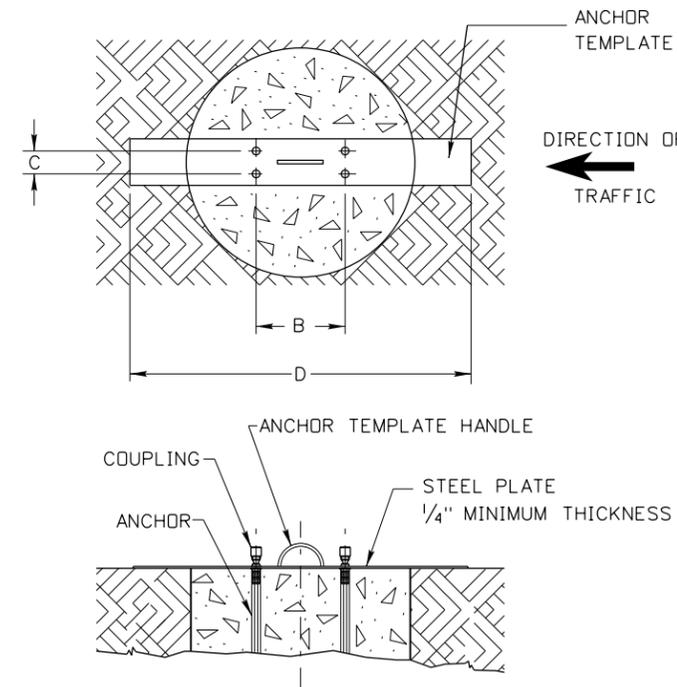
POST TYPE	TUBULAR STEEL POST SIZE	WEIGHT LBS. PER FOOT	BREAKSAFE ASSEMBLY MODEL	FOUNDATION SIZE DIA. X H	A DIMENSION	B DIMENSION	C DIMENSION	D ANCHOR TEMPLATE DIMENSIONS
B-2	4" X 3" X 3/16"	8.15	AS4	24" X 60"	4"	7 1/16"	4 1/4"	6" x 36" x 1/4"
B-3	5" X 5" X 3/16"	11.96	B525	30" X 60"	5"	13"	3"	6" x 40" x 1/4"
B-4	6" X 6" X 3/16"	14.51	B525	30" X 60"	6"	14"	3"	6" x 40" x 1/4"

SIGN POST AND BASE ASSEMBLY INFORMATION



FOUNDATION NOTE:
ENSURE CAST-IN-PLACE FOUNDATION IS PLACED AGAINST IN-SITU (NATIVE) SOILS IN AUGERED HOLE. IF AUGURED HOLE IS NOT POSSIBLE, EXCAVATION FOR THE FOUNDATION CAN BE DONE IF APPROVED BY THE ENGINEER. USE CORRUGATED METAL PIPE AS FORM FOR THE FOUNDATION. PLACE AND COMPACT BACKFILL IN ACCORDANCE TO SUBSECTION 210.03 OF THE IDAHO TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

FOUNDATION MATERIAL QUANTITIES					
FOUNDATION SIZE	CONCRETE	VERTICAL RODS		HOOPS	
		NO.	LN. FT.	NO.	LN. FT.
24" X 60"	0.6 CU. YDS.	6	26	4	20.85
30" X 60"	0.9 CU. YDS.	6	26	4	27.13



TYPICAL ANCHOR TEMPLATE FOR TYPE A SIGN POSTS

NOTES

- SEE SIGNING ERECTION SPECIFICATIONS FOR DIMENSIONS OF EACH SIGN INSTALLATION.
- INSTALL BREAKAWAY SUPPORT SYSTEM PER MANUFACTURERS INSTRUCTIONS.
- USE ANCHOR TEMPLATE TO HOLD THE ANCHORS SOLID AND LEVEL.
- NO PART OF THE FOUNDATION OR NON-BREAKAWAY PART OF THE BASE SHOULD PROTRUDE MORE THAN 2" ABOVE THE GROUND SURFACE.
- FOUNDATION REBAR CAGES MAY BE WELDED IF THE REBAR CONFORMS TO ASTM A706/A706M AND ALL WELDING CONFORMS TO ANSI/AWS D1.4 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
- CURE FOUNDATIONS FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
- THE COST OF BOLTS, NUTS, WASHERS, AND ALUMINUM CLIP ASSEMBLIES NEEDED TO MOUNT THE SIGN(S) IS INCIDENTAL TO BREAKAWAY SIGN POST INSTALLATION TYPE B
- DRAWING NOT TO SCALE.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY: RYAN D. LANCASTER DATE ORIGINAL SIGNED: MAY 28, 2015

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: i8d_0515.dgn
DRAWING DATE: MAY, 2015

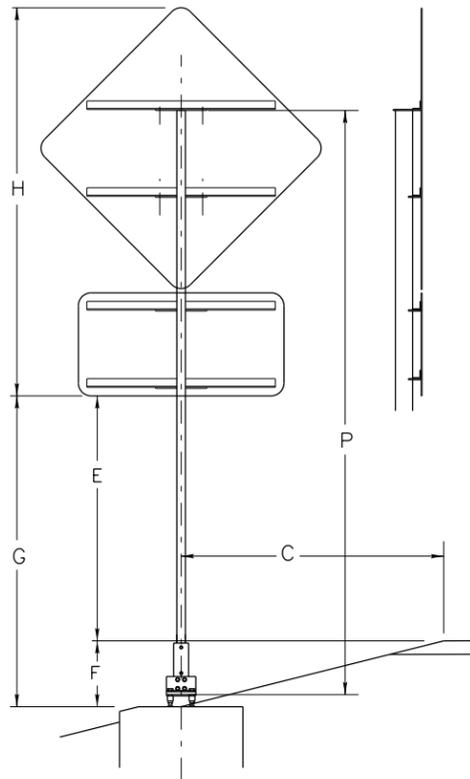
IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

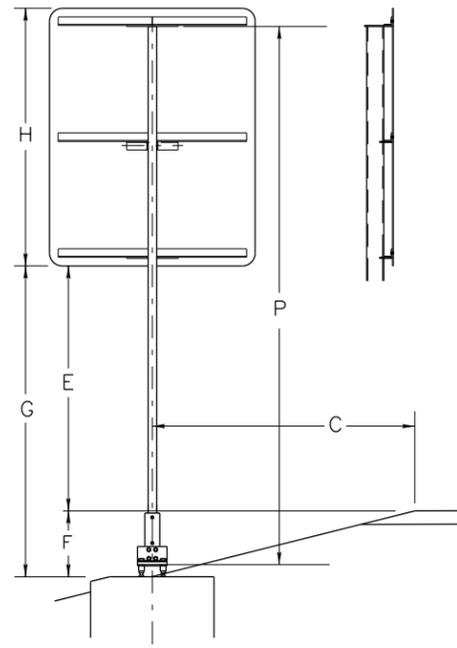
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE B
REQUIRES SHEET 2 OF 2

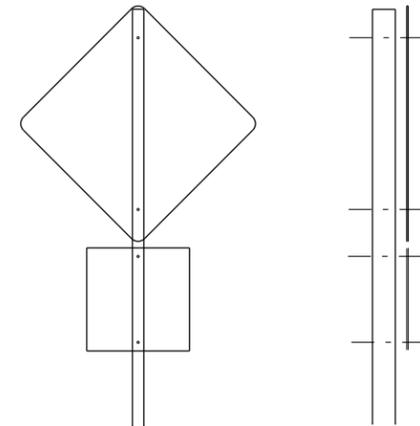
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STANDARD DRAWING NO.
I-8-D
SHEET 1 OF 2



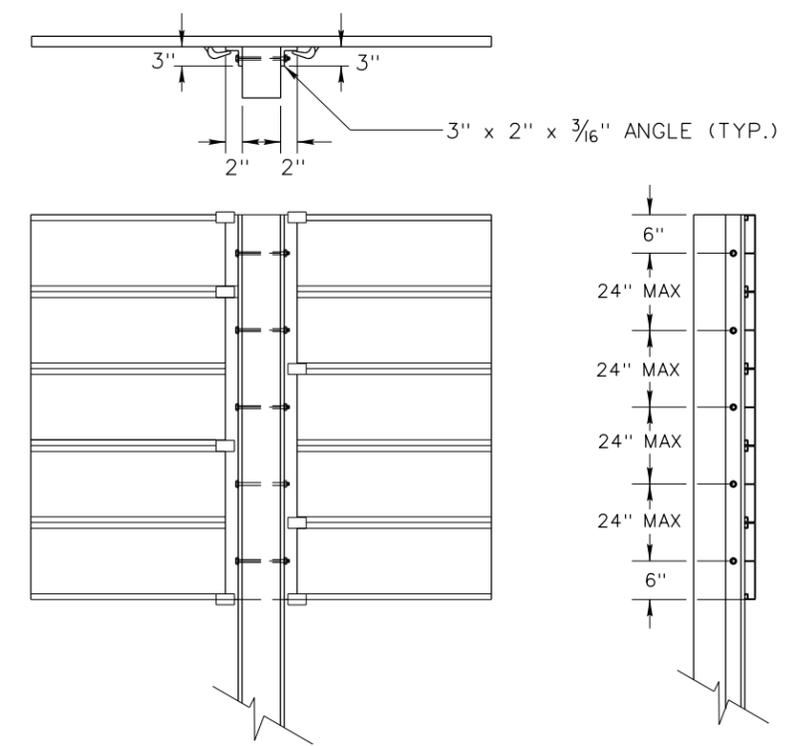
TYPICAL INSTALLATION OF MULTIPLE SIGNS REQUIRING BRACE ANGLES



TYPICAL INSTALLATION OF SIGNS REQUIRING BRACE ANGLES



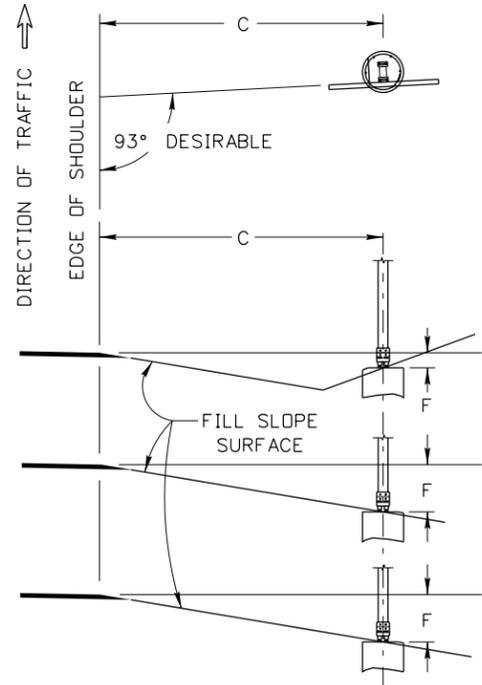
TYPICAL INSTALLATION OF SIGNS NOT REQUIRING BRACE ANGLES



TYPICAL INSTALLATION EXTRUDED ALUMINUM SIGNS

LEGEND

- C DISTANCE FROM EDGE OF SHOULDER TO CENTER LINE OF FIRST POST.
- E THE HEIGHT ABOVE THE EDGE OF FINISHED SHOULDER TO THE BOTTOM OF LOWER SIGN.
- F VERTICAL DISTANCE FROM TOP OF FOUNDATION TO THE ELEVATION OF THE EDGE OF THE SHOULDER.
- G THE DISTANCE FROM THE TOP OF THE FOUNDATION TO THE BOTTOM OF THE LOWER SIGN.
- H THE OVERALL HEIGHT OF SIGNS.
- P TOTAL POST LENGTH.



TYPICAL SIGN ORIENTATION

NOTES

1. REFER TO STANDARD DRAWINGS I-9-A-1, I-9-A-2, I-9-B. AND I-9-C FOR DETAILS OF CLIPS AND BRACE ANGLES.
2. REFER TO STANDARD DRAWING I-10-A FOR INSTALLATION OF EXTRUDED ALUMINUM SIGN PANELS.
3. ENSURE SIGNS 36 INCHES OR GREATER IN WIDTH HAVE BRACE ANGLES.
4. REFER TO STANDARD DRAWING I-12-F FOR HOLE SPACING.
5. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

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 CADD FILE NAME: i8d_0515.dgn
 DRAWING DATE: MAY, 2015

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE B
 REQUIRES SHEET 1 OF 2

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

STANDARD DRAWING NO.
I-8-D

SHEET 2 OF 2

ORIGINAL SIGNED BY:
 RYAN D. LANCASTER
 DATE ORIGINAL SIGNED:
 MAY 28, 2015