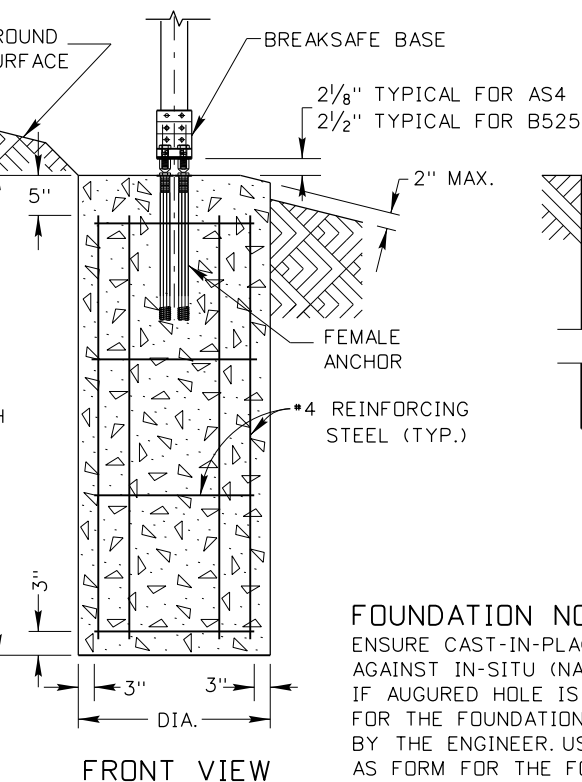
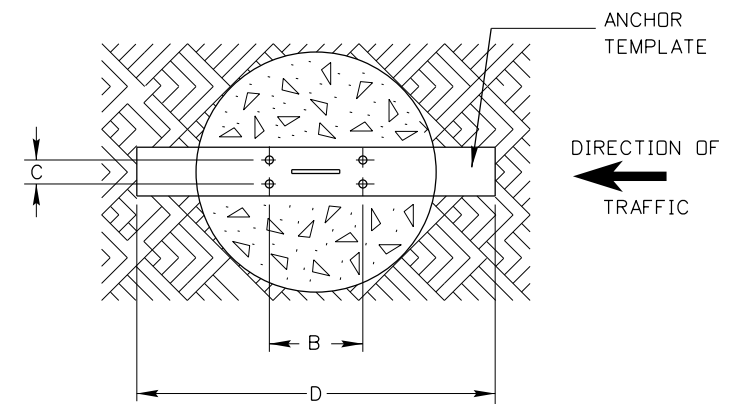


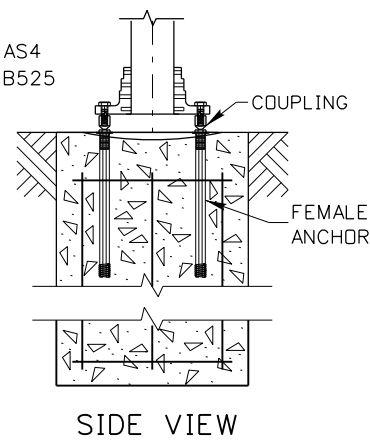
TYPICAL FOUNDATION
TOP VIEW

GENERAL NOTES:

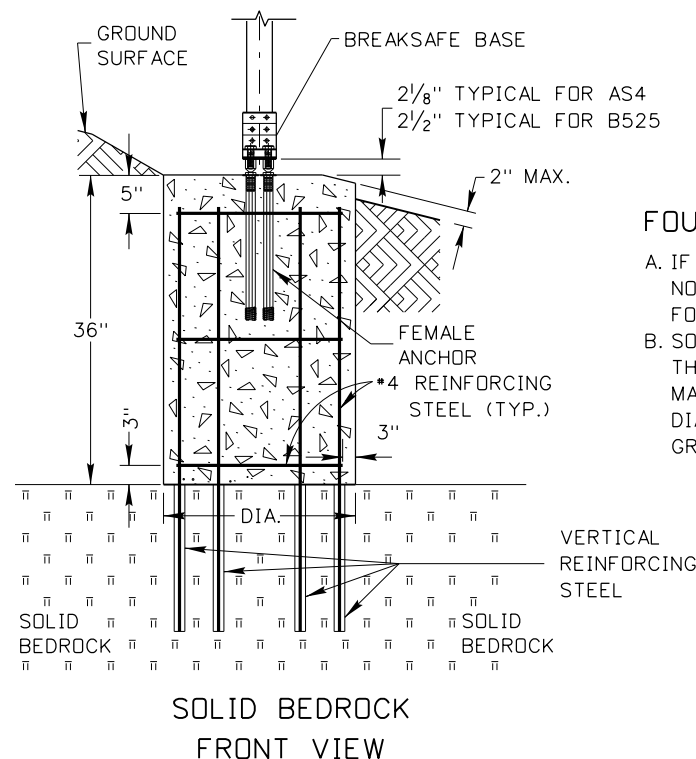
1. SEE SIGNING ERECTION SPECIFICATIONS FOR DIMENSIONS OF EACH SIGN INSTALLATION.
2. INSTALL BREAKAWAY SUPPORT SYSTEM PER MANUFACTURERS INSTRUCTIONS.
3. USE ANCHOR TEMPLATE TO HOLD ANCHORS SOLID AND LEVEL.
4. NO PART OF THE FOUNDATION OR NON-BREAKAWAY PART OF THE BASE SHOULD PROTRUDE MORE THAN 2" ABOVE THE GROUND SURFACE.
5. FOUNDATION REINFORCING STEEL CAGES MAY BE WELDED IF THE REINFORCING STEEL CONFORMS TO ASTM A706/A706M AND ALL WELDING CONFORMS TO ANSI/AWS D1.4 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
6. CURE FOUNDATIONS FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
7. 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.
8. DRAWING NOT TO SCALE.



FRONT VIEW



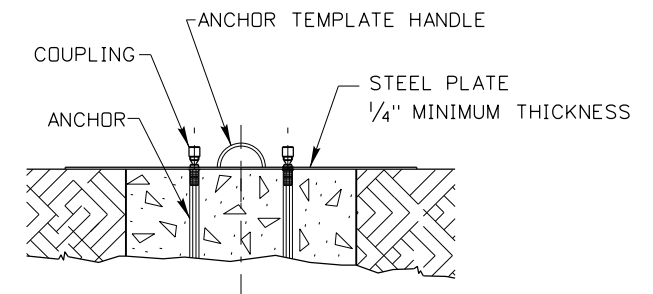
SIDE VIEW



SOLID BEDROCK
FRONT VIEW

FOUNDATION IN SOLID BEDROCK NOTES:

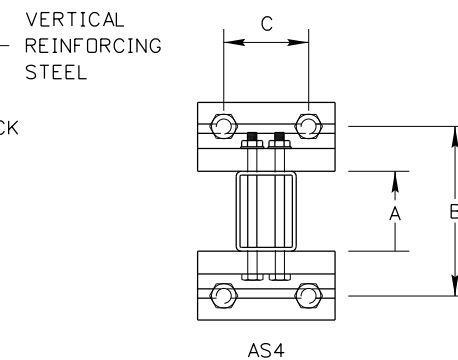
- A. IF DEPTH TO BEDROCK IS LESS THAN 36", NOTIFY THE ENGINEER. REDESIGN OF THE FOUNDATION MAY BE REQUIRED.
- B. SOCKET VERTICAL REINFORCING STEEL FOR THE DEPTH SHOWN IN POLE FOUNDATION MATERIAL QUANTITIES. DRILL 2 INCH MINIMUM DIAMETER HOLES. FILL DRILLED HOLES WITH GROUT, TYPE "B", CLASS 1.



TYPICAL ANCHOR TEMPLATE
FOR TYPE B SIGN POSTS

FOUNDATION NOTE:

ENSURE CAST-IN-PLACE FOUNDATION IS PLACED AGAINST IN-SITU (NATIVE) SOILS IN AUGERED HOLE. IF AUGERED 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



AS4

B525

| FOUNDATION MATERIAL QUANTITIES | | | | | |
|--------------------------------|--------------|----------------------------|---------|-------------------------|---------|
| FOUNDATION SIZE | CONCRETE | VERTICAL REINFORCING STEEL | | REINFORCING STEEL HOOPS | |
| | | QTY. | LN. FT. | QTY. | 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 |

| FOUNDATION IN SOLID BEDROCK MATERIAL QUANTITIES | | | | | |
|---|---------------|----------------------------|---------|-------------------------|---------|
| FOUNDATION SIZE | CONCRETE | VERTICAL REINFORCING STEEL | | REINFORCING STEEL HOOPS | |
| | | QTY. | LN. FT. | QTY. | LN. FT. |
| 24" X 36" | 0.38 CU. YDS. | 6 | 26 | 3 | 15.65 |
| 30" X 36" | 0.44 CU. YDS. | 6 | 38 | 3 | 20.35 |

| SIGN POST AND BASE ASSEMBLY INFORMATION | | | | | | | | |
|---|-------------------------|----------------------|--------------------------|--------------------------|-------------|-------------|-------------|------------------------------|
| 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" | 2" | 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" |

| REVISIONS | | | | | | | |
|-----------|------|----|-----|------|----|-----|------|
| NO. | DATE | BY | NO. | DATE | BY | NO. | DATE |
| | | | | | | | |

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-6_1216.dgn
DRAWING DATE: DECEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

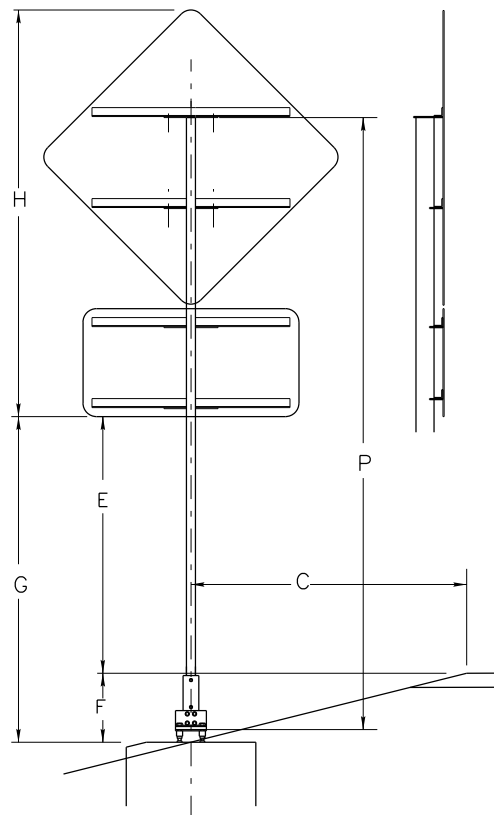
STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE B

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

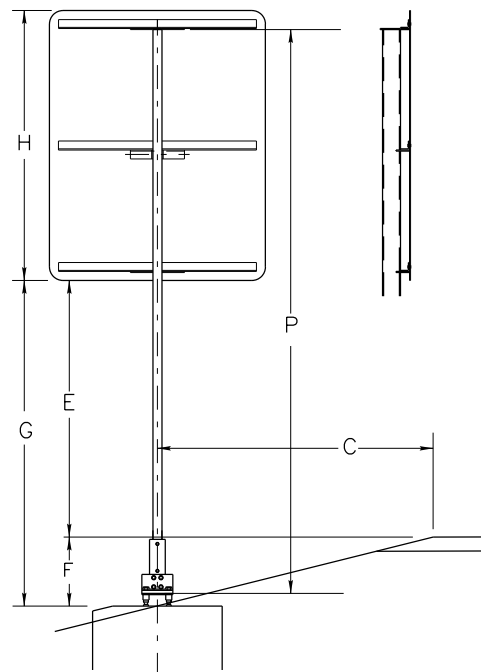
English

STANDARD DRAWING NO. **616-6**

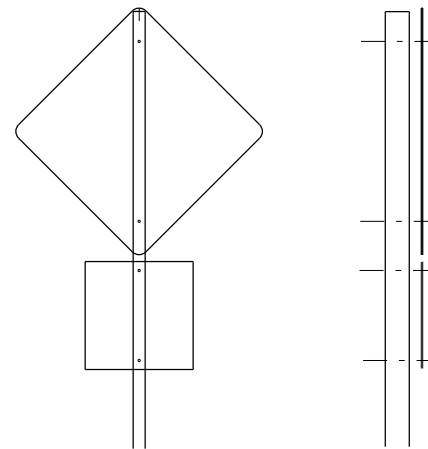
SHEET 1 OF 2



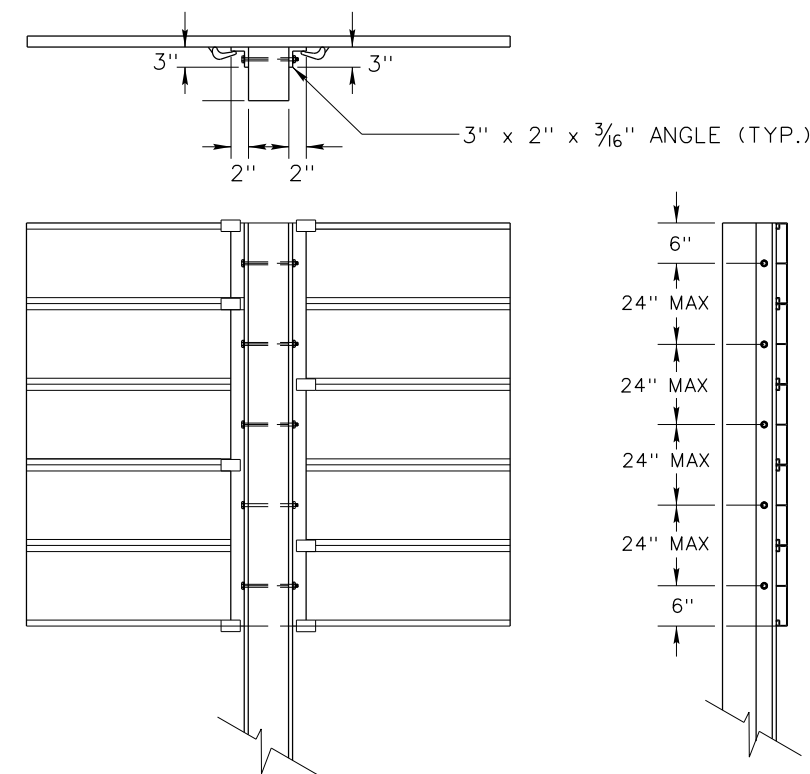
TYPICAL INSTALLATION OF MULTIPLE SIGNS WITH BRACE ANGLES



TYPICAL INSTALLATION OF SIGNS WITH BRACE ANGLES



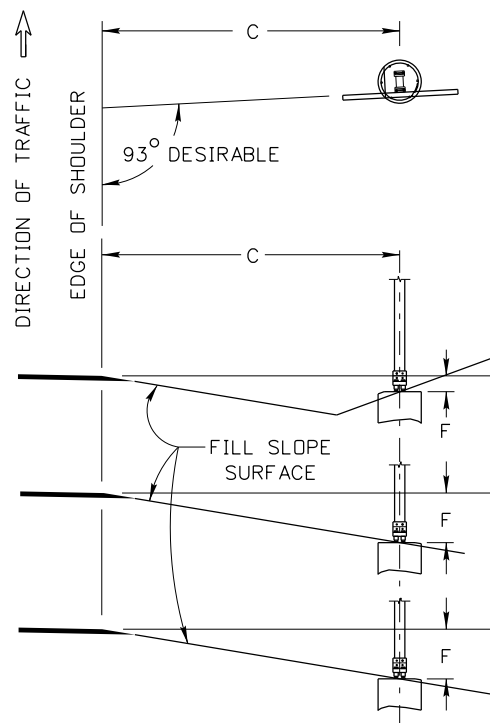
TYPICAL INSTALLATION OF SIGNS WITHOUT BRACE ANGLES



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 (CONTINUED)

- 9. REFER TO STANDARD DRAWINGS 616-15, 616-16, 616-17 FOR CLIP AND BRACE ANGLE DETAILS.
- 10. REFER TO STANDARD DRAWING 616-2 FOR INSTALLATION OF EXTRUDED ALUMINUM SIGN PANELS.
- 11. REFER TO STANDARD DRAWING 616-1 FOR HOLE SPACING.
- 12. DRAWING NOT TO SCALE.

| REVISIONS | | | | | | | | |
|-----------|------|----|-----|------|----|-----|------|----|
| NO. | DATE | BY | NO. | DATE | BY | NO. | DATE | BY |
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 CADD FILE NAME: 616-6_1216.dgn
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IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE B

English
 STANDARD DRAWING NO. **616-6**
 SHEET 2 OF 2

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