GENERAL NOTES

SEE SIGNING ERECTION SPECIFICATIONS FOR DIMENSIONS "G", "H", "P", "Q", AND "R".

IF THE DEPTH OF THE POST IS OUTSIDE THE LIMITS SHOWN, THE TEMPLATE SHOULD BE ADJUSTED SO THE ANCHORS ARE (3 11/16" PLUS THE DEPTH OF THE POST) APART.

INSTALLATION NOTES

Wrench sizes required: 7/8", 1-1/16".

BRACKET ASSEMBLY

ASSEMBLE BRACKETS TO POST WITH BOLTS PROVIDED. SQUARE AND TIGHTEN. (ITEMS ① ② ③ AND ④.)
BOLTS ②, LOCKWASHERS ③, AND NUT ④ DO NOT HAVE SPECIFIC REQUIREMENTS AND SHOULD BE MADE AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES.

HINGE ASSEMBLY

BUTT UPPER AND LOWER POSTS TOGETHER ON FLAT SURFACE.
PLACE HINGE PLATES ⑩ ON OUTER FLANGES AND SECURE WITH 1/2-UNC 1-1/2" BOLTS ③, ④ AND ⑪ - SNUG BUT DO NOT TIGHTEN.
MAKE SURE UPPER AND LOWER POSTS ARE IN ALIGNMENT; THEN TIGHTEN ALL NUTS ④ TO PROOF LOAD - 1/2 OF A TURN BEYOND SNUG.

ANCHOR ASSEMBLY

ASSEMBLE COUPLING ANCHORS ⑨ TO INSTALLATION TEMPLATE, SEE STANDARD DRAWING I-8-A-2.
LOWER ENTIRE ANCHOR ASSEMBLY INTO FRESH CONCRETE AND VIBRATE INTO POSITION SO THAT THE TOPS OF THE INDIVIDUAL ANCHORS ⑨ ARE FLUSH WITH THE FINISHED TOP SURFACE OF THE FOOTINGS.
KEEP THE TEMPLATE LEVEL UNTIL CONCRETE HAS SET.

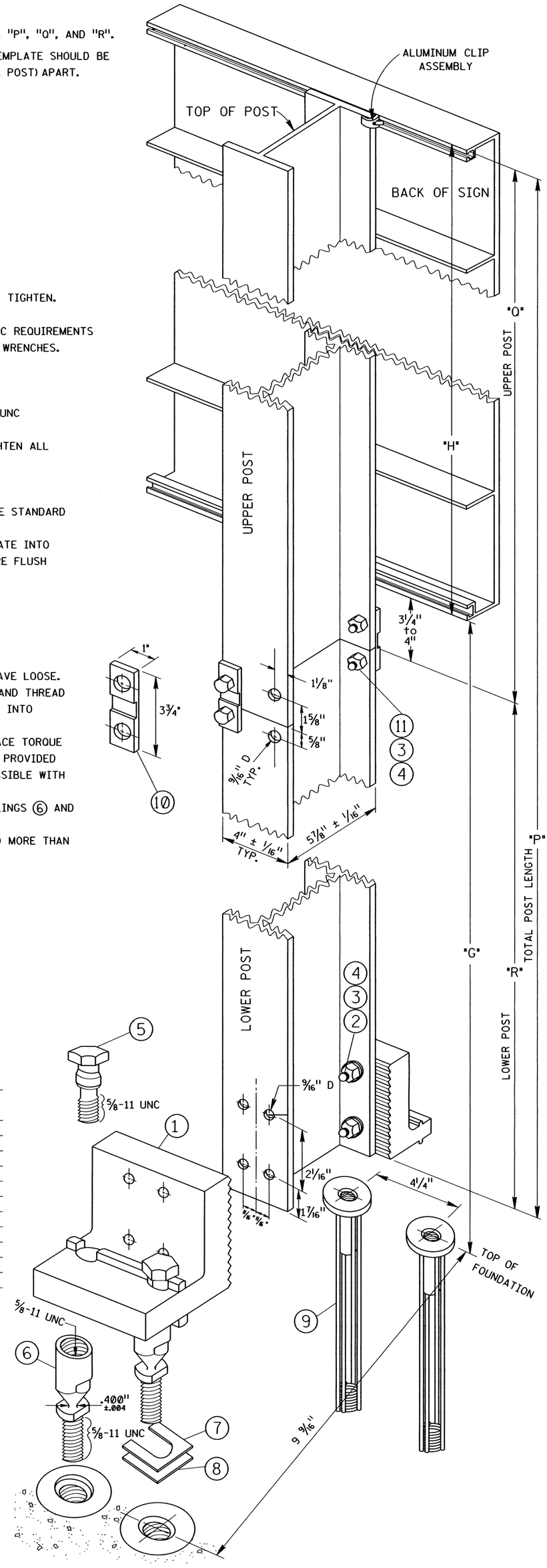
COUPLING ASSEMBLY

SUSPEND POST OVER FOOTING AND INSERT SPECIAL BOLTS ⑤ THROUGH BRACKETS ①.
BELOW BRACKET, THREAD COUPLINGS ⑥ INTO ANCHORS ⑨ BUT LEAVE LOOSE.
LOWER POST WITH SPECIAL BOLTS ⑤ ONTO LOOSE COUPLINGS ⑥ AND THREAD SPECIAL BOLTS ONTO COUPLINGS. THREAD COUPLINGS ALL THE WAY INTO ANCHORS ⑨.
TIGHTEN SPECIAL BOLTS ⑤ WITH 1-1/16" WRENCH. NOTE: DO NOT PLACE TORQUE ACROSS NECKED DOWN PORTION OF COUPLING - WRENCH FLATS ARE PROVIDED ON EITHER SIDE FOR PROPER TIGHTENING. MAKE AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES.
IF POST IS NOT PLUMB, INSERT SHIMS ⑦ AND ⑧ BETWEEN COUPLINGS ⑥ AND ANCHORS ⑨.
NO MORE THAN TWO SHIMS UNDERNEATH ANY ONE COUPLING AND NO MORE THAN THREE SHIMS UNDERNEATH ANY TWO COUPLINGS.

POST TYPE
A-1 — W6 X 9

BREAKSAFE BASE ASSEMBLY TYPE AI6 - LP

ITEM	PARTS DESCRIPTION	QTY. POST
① Bracket	6061 T6 Alum.	2
② Bolt	1/2"-13 UNC x 2-1/4", Hex.Hd.	8
③ Lockwasher	1/2" galvanized	16
④ Nut	Hex 1/2" -13 UNC	16
⑤ Special Bolt	5/8"-11 UNC	4
⑥ Coupling	Small 5/8"-11 UNC 2A & 2B,	4
⑦ Shim	Horseshoe, 18 Gauge Galv.Steel Sheet	2
⑧ Shim	Horseshoe, 14 Gauge Galv.Steel Sheet	2
⑨ Anchor	304 Stainless Steel Ferrule	4
⑩ Hinge Plate	Small .071" Section, Galv.	4
⑪ Bolt	1/2" -13 UNC x 1-1/2", Hex.Hd.	8



REVISIONS

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-07	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: i8a1207.std

DRAWING DATE: DECEMBER, 2007

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

CHIEF ENGINEER

STANDARD DRAWING

BREAKAWAY SIGN POST INSTALLATION TYPE A-1

REQUIRES STD. DWG. I-8-A-2

English

STANDARD DRAWING NO. I-8-A-1

SHEET 1 OF 1

PROFESSIONAL ENGINEER REGISTERED STATE OF IDAHO 5507 BARRY L. JENNINGS