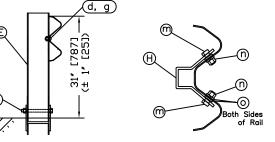


 $\overline{a, c, b(2)}$



Post #1 Connection Detail Impact Head Connection Detail

(e, g, f

SECTION A-A
Post #2

SECTION B-B Anchor Bracket

	ITEM	QTY	BILL OF MATERIALS	ITEM NO.
	Α	1	IMPACT HEAD	MS3000
	В	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	SF1303
	С	1	FIRST POST TOP (6X6X Tube)	MTPHP1A
	D	1	FIRST POST BOTTOM (6' W6X15)	MTPHP1B
	Ε	1	SECOND POST ASSEMBLY TOP	UHP2A
	F	1	SECOND POST ASSEMBLY BOTTOM	HP2B
	G	1	BEARING PLATE	E750
	Н	1	CABLE ANCHOR BOX	S760
	J	1	BCT CABLE ANCHOR ASSEMBLY	E770
	K	1	STRUT	MS785
	HARDWARE (ALL DIMENSIONS IN INCHES)			
ı	a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
	b	4	5/16 WASHER	W0516
	С	2	5/16 HEX NUT	N0516
	d	9	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
	е	2	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
	f	3	5/8 WASHER	W050
	g	11	5/8 Dia. H.G.R NUT	N050
	h	1	3/4 Dia. x 8 1/2 HEX BOLT GRD A449	B340854A
	j	1	3/4 Dia. HEX NUT	N030
	k	2	1 ANCHOR CABLE HEX NUT	N100
	ı	2	1 ANCHOR CABLE WASHER	W100
	m	8	1/2 RSI SHOULDER BOLT W/WASHER	SB12A
	n	8	1/2 STRUCTURAL NUT	N012A
	0	8	1/2 STRUCTURAL WASHER	W012A
	Р	1	BEARING PLATE RETAINER TIE	CT-100ST

GENERAL NOTES:

- 1. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
- 2. The lower sections of the Posts 1&2 shall not protrude more than 4 in [100] above the ground (measured along a 5' [1.5m] cord). Site grading may be necessary to meet this requirement.
- 3. The lower section of the hinged post should not be driven with the upper post attached. If the post is placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
- 4. When competent rock is encountered, a 12" [300] Ø post hole, 20 in. [500] deep cored into the rock surface may be used if approved by the engineer for Posts 1 and/or 2. Granular material will be placed in the bottom of the hole, approximately 2.5" [60] deep to provide drainage. The first and/or second post can be field cut to length, placed in the hole and backfilled with suitable backfill. The soil plate may be trimmed if required.
- 5. The breakaway cable assembly must be taut. A locking device (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening nuts.

