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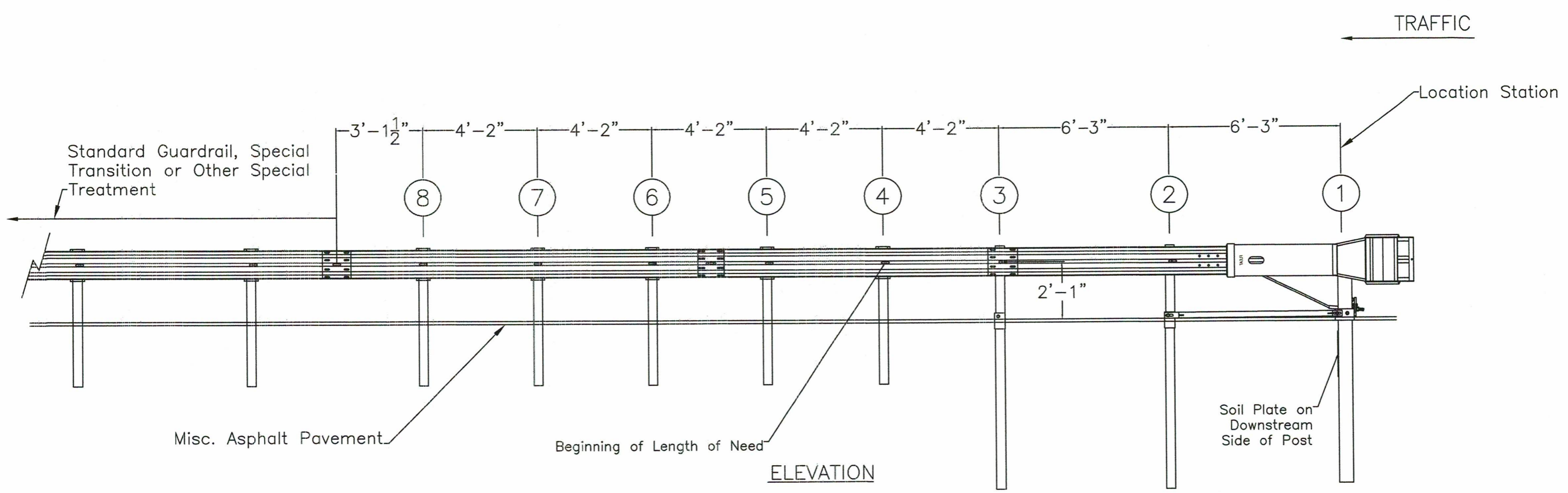
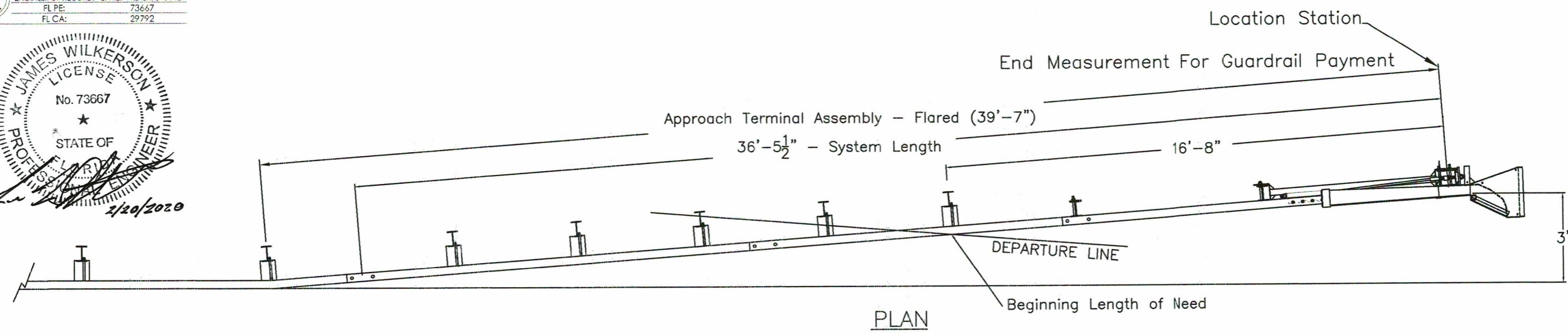
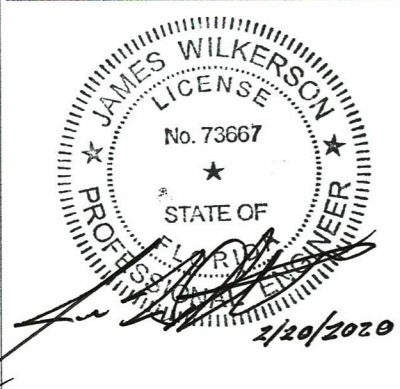
1. The guardrail approach terminal represented on these drawings is a proprietary design by Road Systems, Inc. and marketed under the name MFLEAT. Any infringement on the rights of the design shall be the sole responsibility of the user.
2. These drawings are sufficient for plan details of the MFLEAT when installed in connection with shoulder guardrail and precludes the requirement for shop drawing submittals unless the plans call for such submittals. The MFLEAT shall be assembled in accordance with the manufacturer's detailed drawings, procedures, and specifications.
3. The MFLEAT is available in a steel post configuration.

The steel post components are:

- Post #1 lower is W6" x 15# with welded soil plate
- Post #1 upper is 6" x 6" x 1/8" tube and is bolted to post #1 lower with 5/8" bolt
- Post #1 and #2 are connected with a ground line strut
- Post #2 & #3 lowers are W6" x 9#
- Post #2 & #3 uppers are W6" x 9# and are bolted to post #2 lowers with 3/4" bolts
- Posts #4 and beyond are W6" x 9# x 6'-0" guardrail posts

4. The MFLEAT is intended for use as an approach terminal for shoulder guardrail applications. The beginning length of need point is located at Post 4 (see Sheet 2).
5. The MFLEAT shall be installed as a flared approach terminal.
6. The MFLEAT can only be used with single-faced guardrail.
7. For details of shoulder grading around the MFLEAT approach terminal, see the installation manual.
8. Site Conditions: The steel post system is not permitted adjacent to sidewalks.

REVISIONS			RSI Road Systems, Inc.	
DATE	BY	DESCRIPTION	MASH FLared Energy Absorbing Terminal (MFLEAT) (2'-1" Mounting Height/TL-3/Flared)	
			DATE: 12/04/19	FILE NAME: MFLEAT
			SHEET: 1 OF 3	Florida APL No. 536-006-006



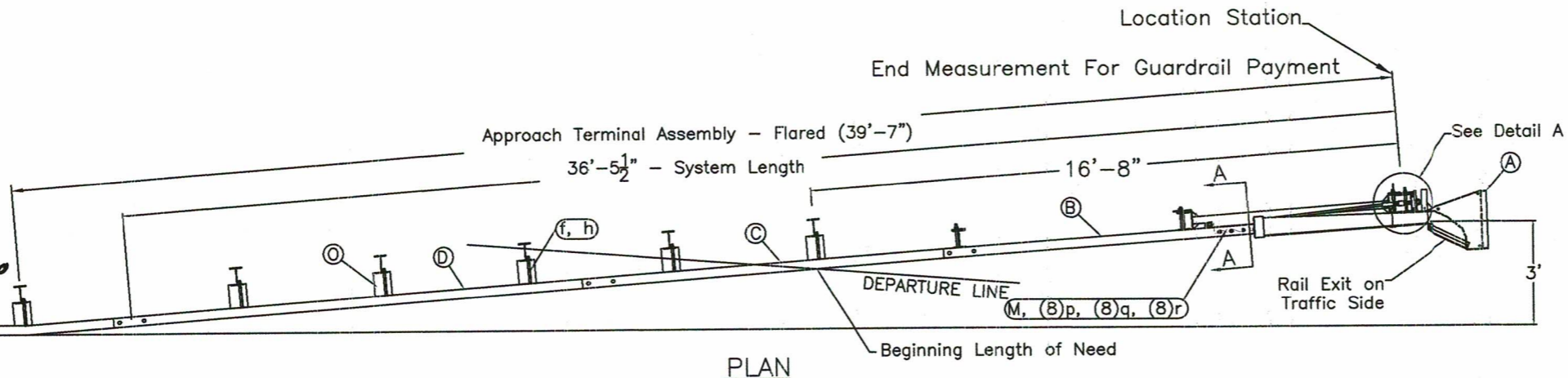
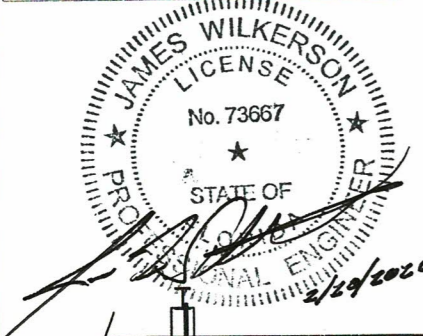
Specification 536 -- Approach Terminal (FLARED)

MODEL	SYSTEM WIDTH	SYSTEM HEIGHT	SYSTEM LENGTH	DESIGN LENGTH	DESIGN SPEED	TEST LEVEL DESIGNATION
MFLEAT	20"	31"	36'-5 1/2"	39'-7"	≥50 MPH	TL-3

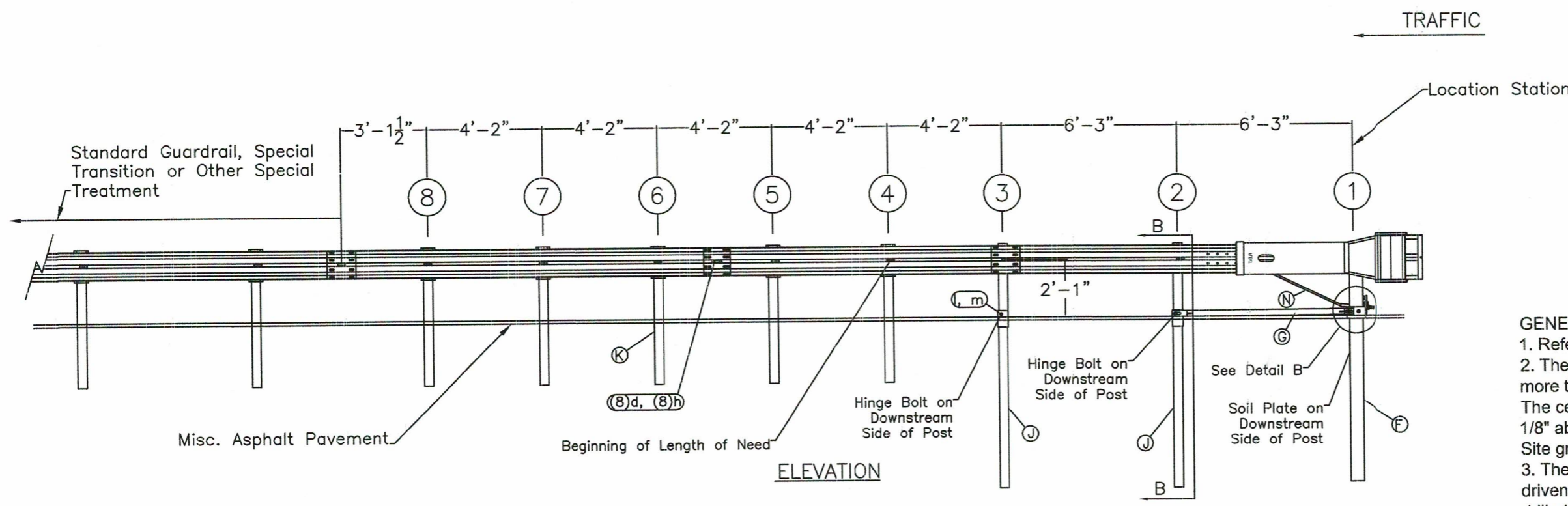
NOTE: THE MFLEAT TL-3 MAY BE USED FOR LOWER DESIGN SPEEDS.

REVISIONS	
DATE	DESCRIPTION

RSI Road Systems, Inc.
 MASH FLared Energy Absorbing Terminal (MFLEAT)
 Steel Post System Layout
 DATE: 12/04/19 FILE NAME: MFLEAT
 SHEET: 2 OF 3 Florida APL No. 536-006-006



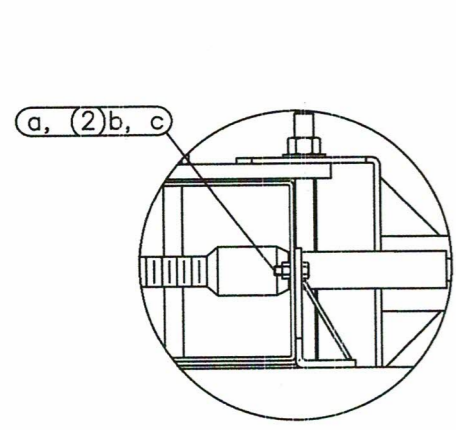
PLAN



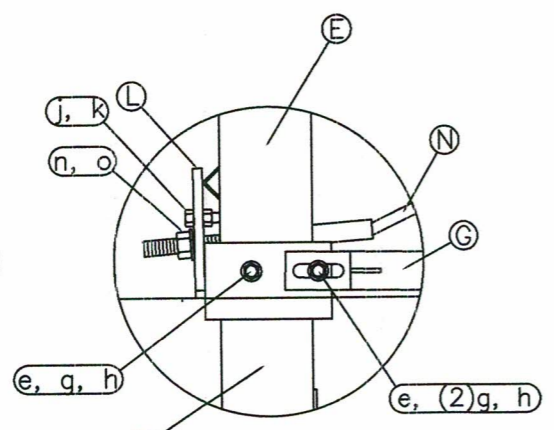
ELEVATION

ITEM	QTY	BILL OF MATERIALS	ITEM NO.
A	1	FLEAT IMPACT HEAD	MF3000
B	1	FLEAT ANCHOR RAIL 12'-6"	SF1303
C	1	FLEAT SECOND RAIL 10'-5"	F1324
D	1	FLEAT THIRD RAIL 13'-6 1/2"	F1334
E	1	FIRST POST TOP (6X6X1/2" Tube)	MP1A
F	1	FIRST POST BOTTOM (6' W6X15)	MP1B
G	1	GROUND STRUT	MS785
H	2	HINGE POST UPPER	MHP2A
J	2	HINGED POST LOWER	HP2B
K	5	STEEL LINE POST 6'	P621
L	1	MASH BEARING PLATE	ME750
M	1	CABLE ANCHOR BOX	S760
N	1	BCT CABLE ANCHOR ASSEMBLY	E770
O	5	ROUTED WOOD BLOCK OR EQUIV.	P616
HARDWARE (ALL DIMENSIONS IN INCHES)			
a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
b	4	5/16 WASHER	W0516
c	2	5/16 HEX NUT	N0516
d	18	5/8 x 1 1/4 SPLICE BOLT	B580122
e	2	5/8 x 9 HEX BOLT GRD 5	B580904A
f	5	5/8 x 10 H.G.R. BOLT	B581002
g	3	5/8 WASHER	W050
h	25	5/8 H.G.R. NUT	N050
j	1	5/8 x 5" BOLT FULL THREAD GRD A449	B580504A
k	1	5/8 HEX NUT	N055
l	2	3/4 x 8 1/2 HEX BOLT GRD A449	B340854A
m	2	3/4 HEX NUT	N030
n	2	1 ANCHOR CABLE HEX NUT	N100
o	2	1 ANCHOR CABLE WASHER	W100
p	8	1/2 RSI SHOULDER BOLT W/WASHER	SB12A
q	8	1/2 STRUCTURAL NUT	N012A
r	8	1/2 STRUCTURAL WASHER	W012A

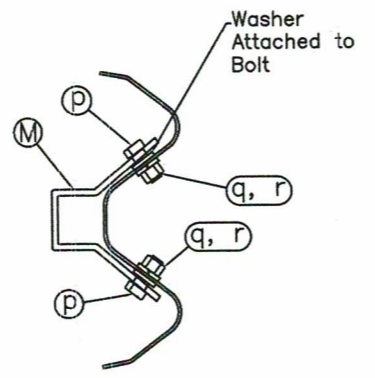
GENERAL NOTES:
 1. Refer to MFLEAT Assembly Manual.
 2. The lower sections of the Posts 1, 2 & 3 shall not protrude more than 4 in above the ground (measured along a 5' cord). The centerline of the hinge bolt at Posts 2 & 3 is nominally 1 1/8" above the ground surface or misc. asphalt pavement. Site grading may be necessary to meet this requirement.
 3. The lower sections of the hinged posts 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. 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.



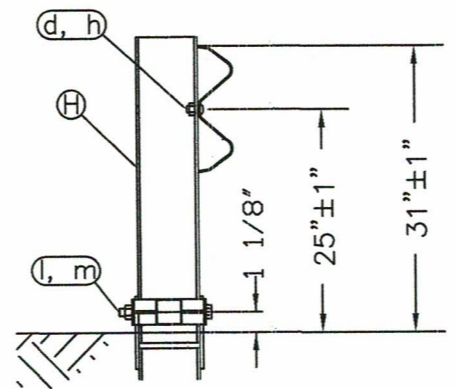
Detail A
Impact Head Connection



Detail B
Post #1 Connection



SECTION A-A
Anchor Bracket



SECTION B-B
Post #2

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NOTE: THE MFLEAT TL-3 MAY BE USED FOR LOWER DESIGN SPEEDS.

REVISIONS		
DATE	BY	DESCRIPTION

RSI Road Systems, Inc.

MASH FLared Energy Absorbing Terminal (MFLEAT)
Steel Post System Part Details

DATE: 12/04/19	FILE NAME: MFLEAT
SHEET: 3 OF 3	Florida APL No. 536-006-006