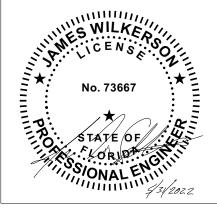
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- 1. The guardrail approach terminal represented on these drawings is a proprietary design by Road Systems, Inc. and marketed under the name MSKT. Any infringement on the rights of the design shall be the sole responsibility of the user.
- 2. These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

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 lower is W6" x 9#

Post #2 upper is W6" x 9# and is bolted to post #2 lower with 3/4" bolt

Posts #3 and beyond are W6" x 9# x 6'-0" guardrail posts

The wood 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

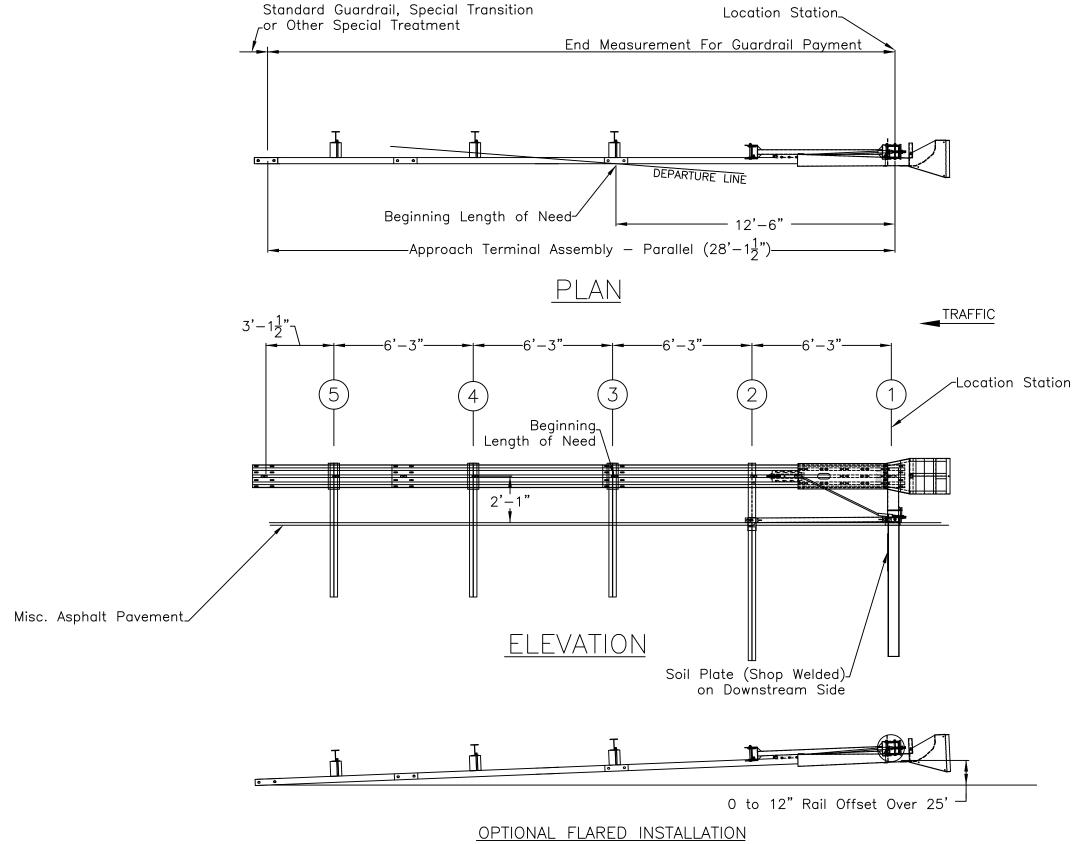
Post #2 lower is W6" x 9#

Post #2 upper is W6" x 9# and is bolted to post #2 lower with 3/4" bolt

Posts #3 and #4 are 6'-0" long CRT wood posts

- 4. The MSKT is intended for use as an approach terminal for shoulder guardrail applications. The beginning length of need point is located at Post 3 (see Sheets 2 and 4).
- 5. The MSKT shall be installed as a parallel approach terminal.
- 6. The MSKT can only be used with single-faced guardrail.
- 7. For details of shoulder grading around the MSKT approach terminal, see the Installation Manual.
- 8. Site Conditions: The steel post system is not permitted adjacent to sidewalks. A site evaluation should be considered if there is less than 25' beyond the back side of the terminal and any adjacent driving lane.

				RSI	Road Systems, Inc.		
			REVISIONS		ential Kinking Terminal (MSKT TL2)		
	DATE	BY	DESCRIPTION	(2'-1" Mounting Height/TL-2/Parallel)			
				DATE: 10/20/2021	FILE NAME: MSKT TL2		
•				SHEET: 1 OF 5	Florida APL No.		



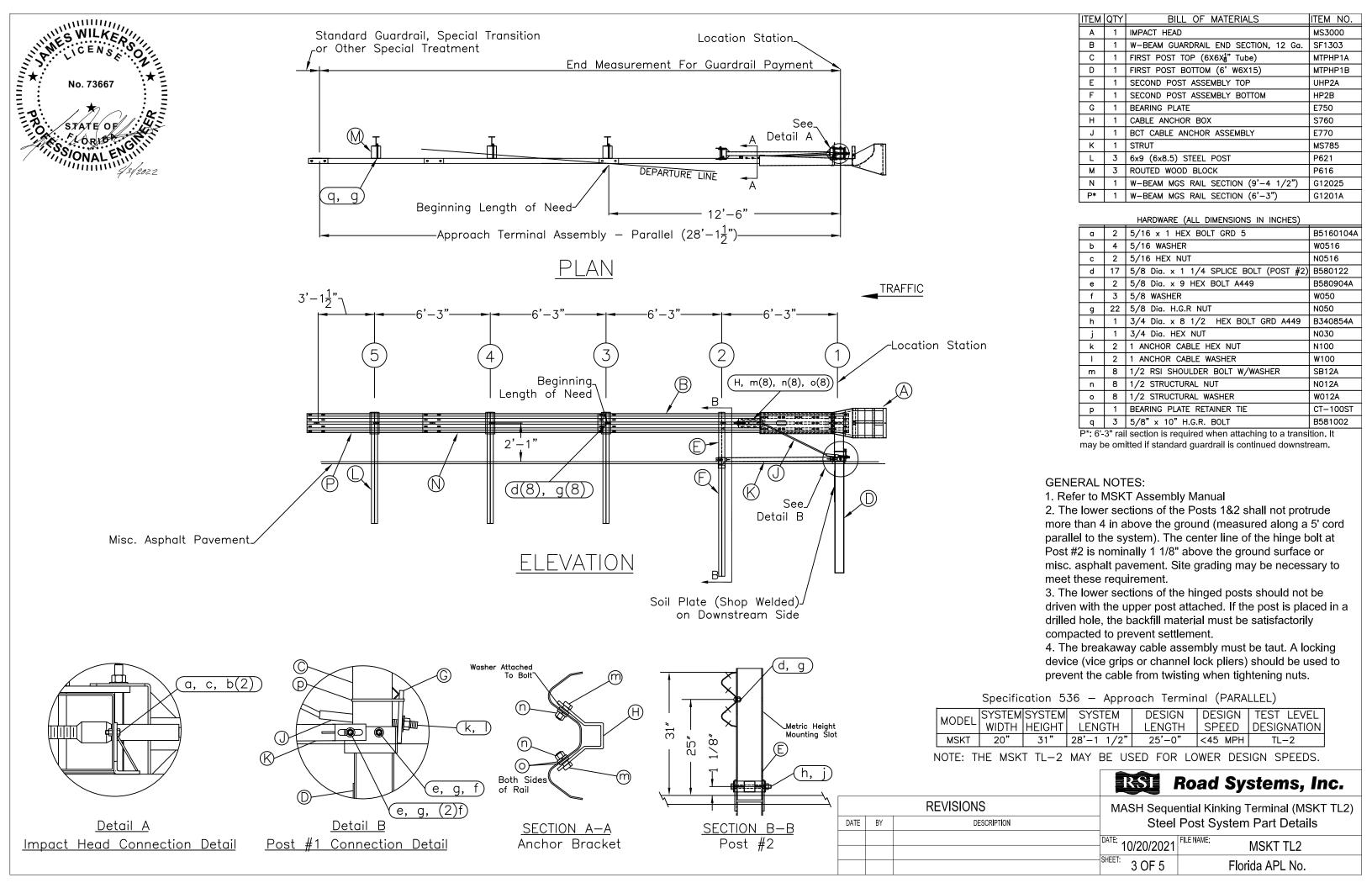
1:25 Maximum Flare Rate

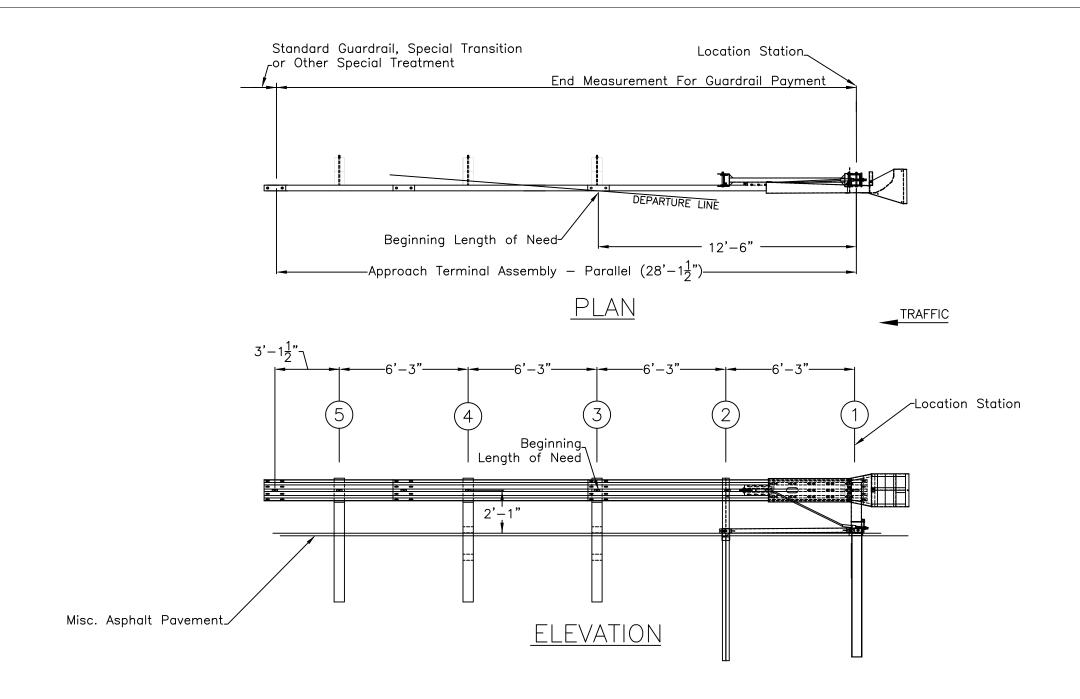
Specification 536 - Approach Terminal (PARALLEL)

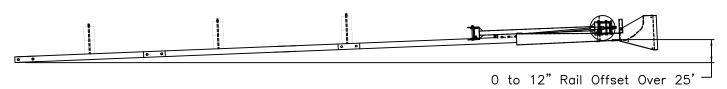
	•		• •		•	
MODEL	SYSTEM	SYSTEM	SYSTEM LENGTH	DESIGN	DESIGN	TEST LEVEL
	WIDTH	HEIGHT	LENGTH	LENGTH	SPEED	DESIGNATION
MSKT	20"	31"	28'-1 1/2"	25'-0"	<45 MPH	TL-2
	-				-	

NOTE: THE MSKT TL-2 MAY BE USED FOR LOWER DESIGN	GN SPEEDS

					Road Systems, Inc.
		REVISIONS	MA	ASH Seque	ential Kinking Terminal (MSKT TL2)
DATE	BY	DESCRIPTION	Steel Post System Layout		
			DATE:	10/20/2021	FILE NAME: MSKT TL2
			SHEET:	2 OF 5	Florida APL No.







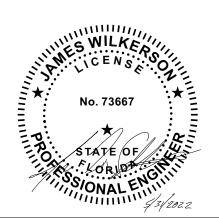
OPTIONAL FLARED INSTALLATION 1:25 Maximum Flare Rate

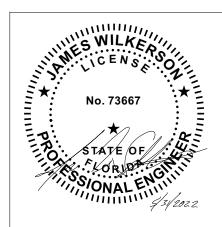
Specification 536 — Approach Terminal (PARALLEL)

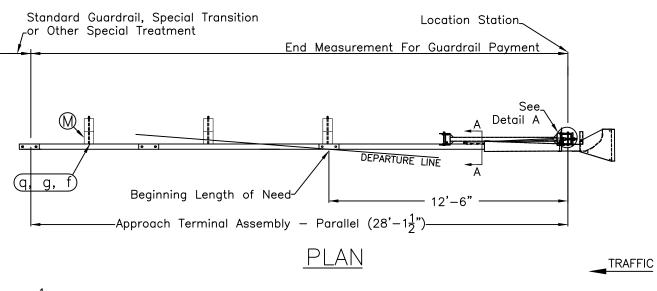
	•		• •		•	•
MODEL	SYSTEM	SYSTEM	SYSTEM	DESIGN	DESIGN	TEST LEVEL
MODEL	WIDTH	HEIGHT	LENGTH	LENGTH	SPEED	DESIGNATION
MSKT	20"	31"	28'-1 1/2"	25'-0"	<45 MPH	TL-2

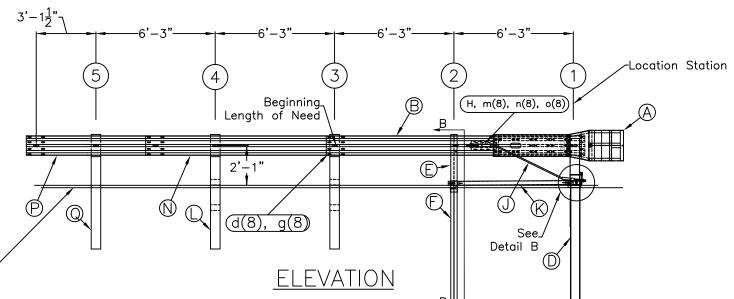
NOTE: THE MSKT TL-2 MAY BE USED FOR LOWER DESIGN SPEEDS.

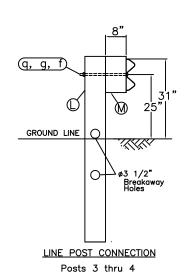
				noau systems, mc.
		REVISIONS	MASH Seque	ential Kinking Terminal (MSKT TL2)
DATE	BY	DESCRIPTION	Wo	ood Post System Layout
			DATE: 10/20/2021	FILE NAME: MSKT TL2
			SHEET: 4 OF 5	Florida APL No.



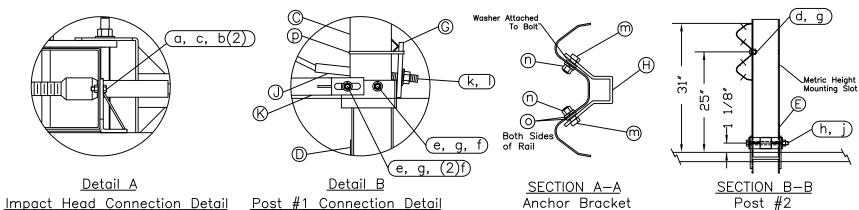








Misc. Asphalt Pavement



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 (6X6X8" Tube)	MTPHP1A
D	1	FIRST POST BOTTOM (6' W6X15)	MTPHP1B
Е	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
L	2	UNIVERSAL CRT POST	P671
М	3	TIMBER BLOCK	P675
N	1	W-BEAM MGS RAIL SECTION (9'-4 1/2")	G12025
P*	1	W-BEAM MGS RAIL SECTION (6'-3")	G1201A
Q	1	WOOD GUARDRAIL POST 6'	P674

HARDWARE	(ALL	DIMENSIONS	IN	INCHES)
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а	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
b	4	5/16 WASHER	W0516
С	2	5/16 HEX NUT	N0516
d	17	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
е	2	5/8 Dia. x 9 HEX BOLT A449	B580904A
f	6	5/8 WASHER	W050
g	22	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
I	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
q	3	5/8" x 18" H.G.R. BOLT	B581802

P*: 6'-3" rail section is required when attaching to a transition. It may be omitted if standard guardrail is continued downstream.

GENERAL NOTES:

- 1. Refer to MSKT Assembly Manual
- 2. The lower sections of the Posts 1&2 shall not protrude more than 4 in above the ground (measured along a 5' cord parallel to the system). The center line of the hinge bolt at Post #2 is nominally 1 1/8" above the ground surface or misc. asphalt pavement. Site grading may be necessary to meet these 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.

Specification 536 - Approach Terminal (PARALLEL)

			• •			
MODEL	SYSTEM	SYSTEM	SYSTEM	DESIGN	DESIGN	TEST LEVEL
MODEL	WIDTH	HEIGHT	LENGTH	LENGTH	SPEED	DESIGNATION
MSKT	20"	31"	28'-1 1/2"	25'-0"	<45 MPH	TL-2

NOTE: THE MSKT TL-2 MAY BE USED FOR LOWER DESIGN SPEEDS.

RSI Road Systems, Inc.

		REVISIONS	MASH Seque	ential Kinking Terminal (MSKT TL2)
DATE	BY	DESCRIPTION	Wood	Post System Part Details
			DATE: 10/20/2021	FILE NAME: MSKT TL2
			SHEET: 5 OF 5	Florida APL No.