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DRAWING INDEX

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31" MAX-TENSION GUARDRAIL END TERMINAL - PARALLEL

- THE GUARDRAIL APPROACH TERMINAL SYSTEM REPRESENTED ON THESE APPROVED PRODUCT LIST (APL) DRAWINGS IS A PROPRIETARY DESIGN BY LINDSAY TRANSPORTATION SOLUTIONS (LTS) AND MARKETED UNDER THE TRADE NAME MAX-TENSION.
- THESE DRAWINGS ARE SUFFICIENT FOR PLAN DETAILS FOR THE MAX-TENSION PARALLEL END TERMINAL WHEN INSTALLED IN CONNECTION WITH SHOULDER GUARDRAIL, AND PRECLUDES THE REQUIREMENT FOR SHOP DRAWING SUBMITTALS UNLESS THE PLANS OTHERWISE CALL FOR SUCH SUBMITTALS. THE MAX-TENSION PARALLEL END TERMINAL SHALL BE ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S DETAILED DRAWINGS, PROCEDURES, AND SPECIFICATIONS.
- THE MAX-TENSION PARALLEL END TERMINAL IS AVAILABLE IN A STEEL POST CONFIGURATION ONLY. POST #1 IS A PROPRIETARY STEEL W6X8.5 OR W6X9 WIDE FLANGE POST. THE SOIL ANCHOR IN FRONT OF POST #1 IS A SPECIAL STEEL BENT CHANNEL DESIGN WITH AN INTEGRAL SOIL PLATE (SEE MANUFACTURER DETAILS).
- THE MAX-TENSION PARALLEL END TERMINAL IS INTENDED FOR USE AS AN APPROACH TERMINAL FOR SHOULDER GUARDRAIL. THE BEGINNING OF LENGTH OF NEED IS LOCATED AT POST #3. THE EFFECTIVE LENGTH OF THE MAX-TENSION PARALLEL END TERMINAL IS 55'- 1/2". THE ALIGNMENT OF THE MAX-TENSION PARALLEL END TERMINAL CAN BE OFFSET UP TO 2'-0".
- THE MAX-TENSION PARALLEL END TERMINAL CANNOT BE USED IN MEDIANS WHERE HORIZONTAL CLEARANCE REQUIRES THE USE OF DOUBLE-FACED GUARDRAIL
- FOR DETAILS OF SHOULDER GRADING AROUND END TREATMENTS, MISCELLANEOUS ASPHALT PAVEMENT AND PAY LIMITS, SEE FDOT STANDARD PLANS, INDEX 536-001.
- MAINTAIN A RELATIVELY CLEAR AND TRAVERSABLE RUN-OUT AREA BEHIND AND BEYOND ALL GATING END TERMINALS.
- REGARDING THE ORIENTATION OF PANEL LAP SPLICES, INSTALL THE MAX-TENSION SYSTEM AS SHOWN IN THE DRAWINGS, REGARDLESS OF THE DIRECTION OF TRAFFIC IN THE ADJACENT LANES (I.E. PANEL LAPPING MAY NOT BE IN THE DIRECTION OF TRAFFIC UNDER SOME CONDITIONS).
- FOR THE MAX-TENSION SYSTEM TO FUNCTION PROPERLY, I.E. TELESCOPE TO ABSORB ENERGY, THE GUARDRAIL PANELS WITHIN THE END TERMINAL MUST BE PROPERLY LAPPED STARTING FROM THE TERMINAL HEAD; FIRST PANEL IS LAPPED ON TOP OF START OF SECOND PANEL, SECOND PANEL IS LAPPED OVER TOP OF THIRD PANEL, THIRD PANEL IS LAPPED OVER TOP OF FOURTH PANEL, FOURTH PANEL IS LAPPED OVER EXISTING GUARDRAIL PANEL.

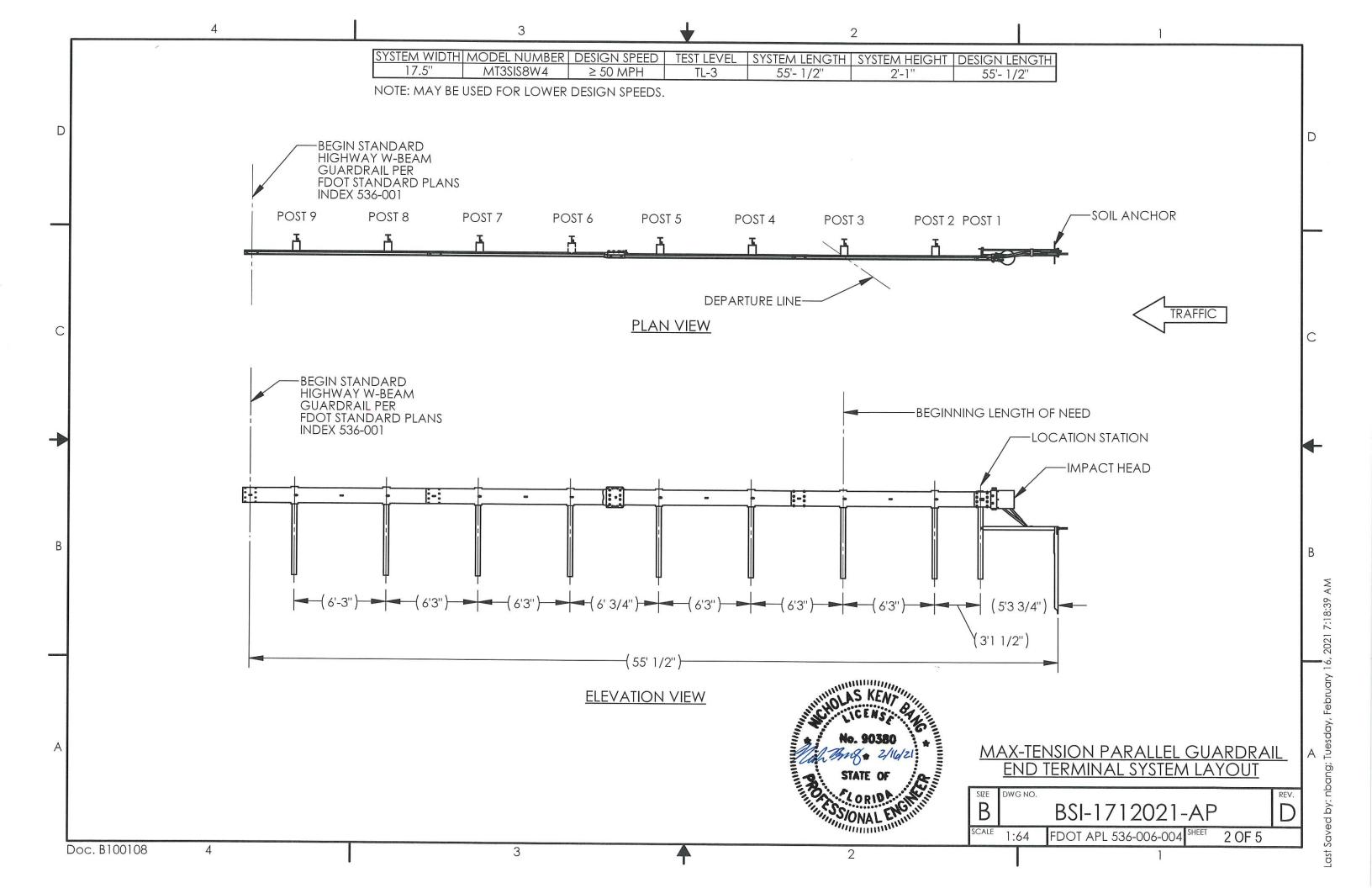


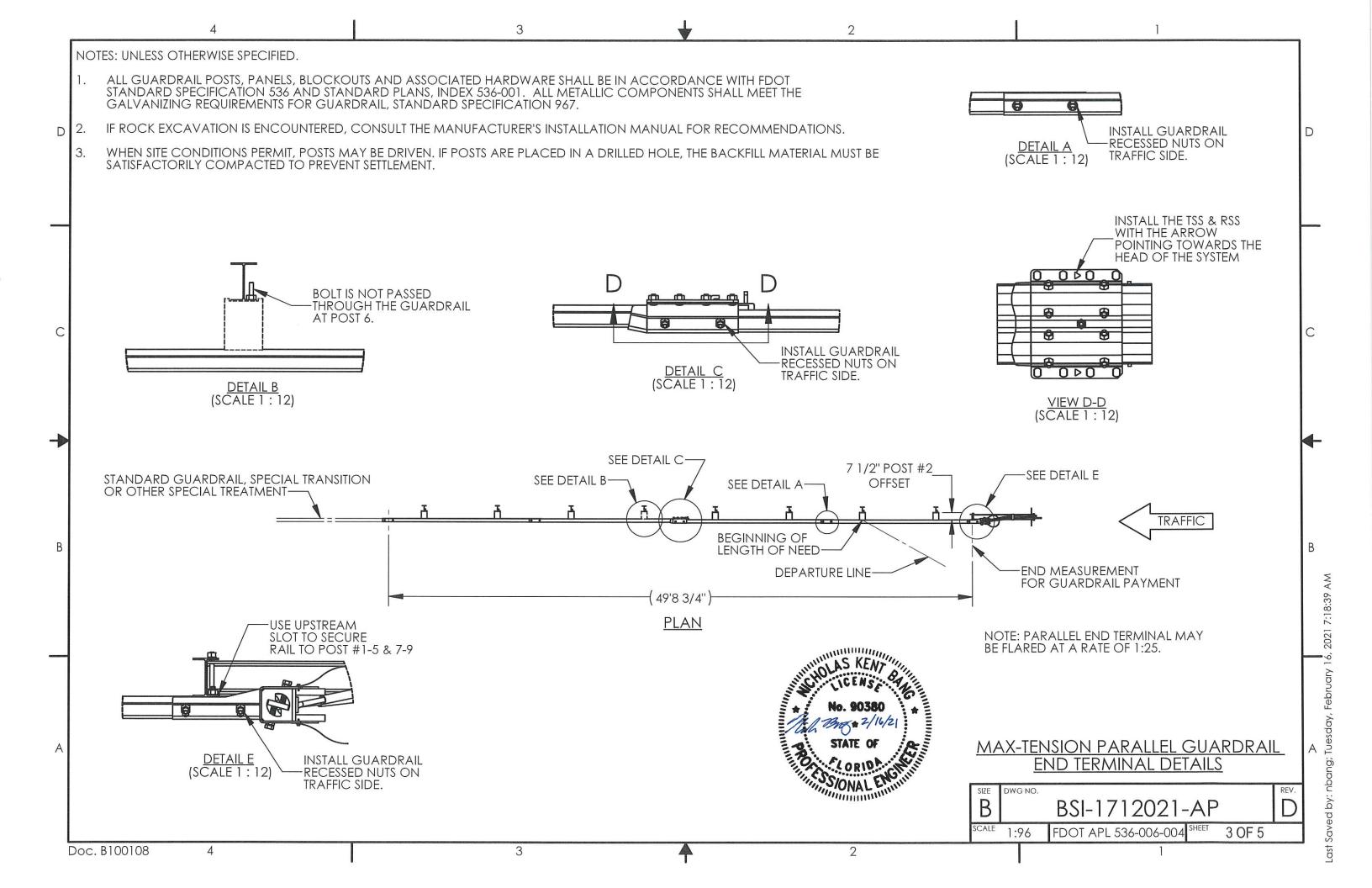
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THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BARRIER SYSTEMS INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITEN		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:						3333 Va	RRIER SYSTEMS INC. ca Valley Parkway S acaville, CA 95688	te 800
		FRACTIONS DECIMAL ANGLES ±1/16 .XX = ±.03 ±1/2°					TRANSPORTATION SOLUTIONS TRANSPORTATION SOLUTIONS Www.barriersystem			
PROHIBIT		.XXX = ±.010 INTERPRET DIMENSIONS AND	D	60224	02/16/21	TITLE	MAX-TENSION PARALLEL TL-3			
APPROVALS		TOLERANCES PER ASME Y14.5-1994	С	AP01327	02/06/19	2'-1" MOUNTING HEIGHT				
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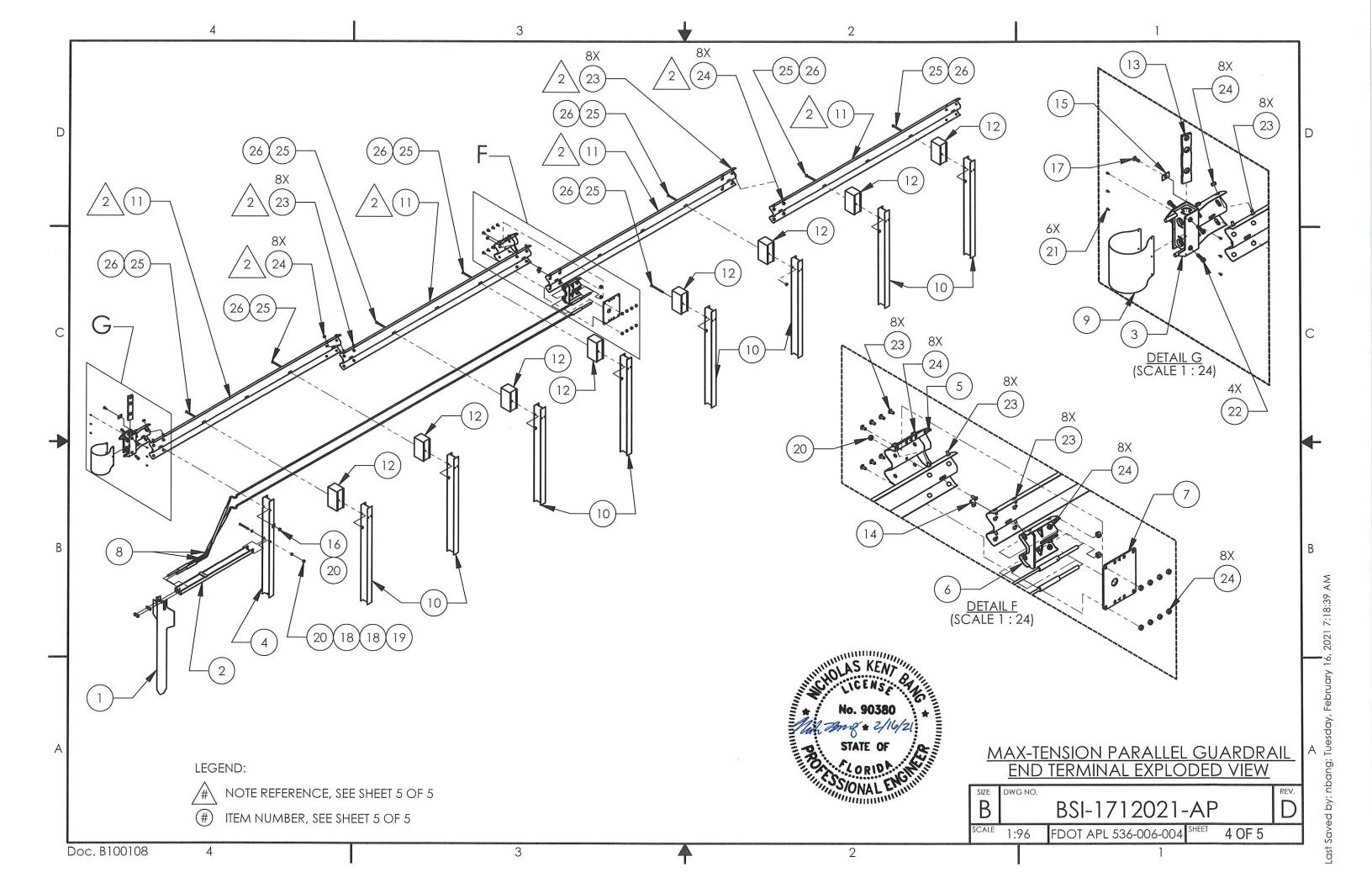
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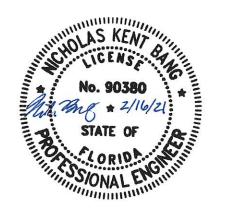
ITEM	PART NO	DESCRIPTION	QTY	SPEC					
1	BSI-1610060-00	Soil Anchor, Galvanized	1	MAX					
2	BSI-1610061-00	Groundstrut, Galvanized	1	MAX					
	BSI-1610062-00	Impact Head, Chase Threads	1	MAX					
4	BSI-1610063-00	Post,I-Beam,W6x9,6FT,Galvanize	1	MAX					
5	BSI-1610064-00	TSS Panel, Galvanized	1	MAX					
6	BSI-1610065-00	ISS Panel, Galvanized	1	MAX					
7	BSI-1610067-00	RSS Plate, Galvanized	1	MAX					
8	BSI-1610069-00	Cable Assembly, MXTN	2	MAX					
9	BSI-1701063-00	bracket, delineation, max-tension	1	MAX					
10	BSI-1012078-00	6' GUARDRAIL LINE POST	8	FDOT					
11	BSI-4004386	W-Beam Guardrail RWM04a	4	FDOT					
12	4002337	W-Beam Timber Blockout PDB01b	8	FDOT					
13	B061058	BSI, Cable Friction Plate,	1	MAX					
	BSI-1	1702051-KT: MAX-Tension System HW Kit							
14	BSI-1610066-00	Tooth, Geomet	1	MAX					
15	4002051	Guardrail Wshr Rect AASHTO	1	FDOT					
16	BSI-1102027-00	WASHER, SQUARE, X-LITE, GALV]	MAX					
17	BSI-2001888	Bolt CH 5/8-11x2 Fully Threaded, Gr5, Geomet	1	FDOT					
18	2001636	Wshr 5/8 F436 Struct MGal	2	FDOT					
19	BSI-2001886	Bolt HH 5/8-11x7,2in Threads, Gr5, Geomet	1	FDOT					
20	4001116	Guardrail Nut Recessed 5/8-11, Gr2 Mgal.	3	FDOT					
21 22	BSI-2001887	Screw SD,HH 1/4-14x3/4,410 SS	6	FDOT					
22	BSI-2001885	Bolt HH 3/4-10x3, Fully Threaded, Gr5, Geomet	4	FDOT					
	BSI-1702052-k	T: MAX-Tension Guardrail Splice HW Kit, Imperial							
23	4001115	Guardrail Bolt 5/8-11x 1 1/4, Gr2, Mgal	48	FDOT					
24	4001116	Guardrail Nut Recessed 5/8-11, Gr2 Mgal	48	FDOT					
05	BSI-1702053-KT: MAX-Tension Post HW Kit, 8in, Imperial								
25	2001840	Guardrail bolt 5/8-11x10,Mgal	8	FDOT					
26	4001116	Guardrail Nut Recessed 5/8-11, Ğr2 Mgal	8	FDOT					
			22						
27	MANMAX	MAX-Tension Installation Manual	1	MAX					

NOTES: UNLESS OTHERWISE SPECIFIED.

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1. IN LIEU OF TIMBER OFFSET BLOCKS, COMPOSITE OFFSET BLOCKS MEETING THE REQUIREMENTS OF SPECIFICATION SECTION 536 MAY BE USED.

THE BILL OF MATERIALS TABLE SHOWN IS FOR A SYSTEM THAT USES FOUR 12'-6" GUARDRAIL PANELS. TWO 25' GUARDRAIL PANELS CAN BE USED IN PLACE OF THE FOUR 12'-6" PANELS. THE QUANTITY OF ITEMS 23 AND 24 IS REDUCED BY 16 IF THE 25' GUARDRAIL PANEL CONFIGURATION IS USED.



MAX-TENSION PARALLEL GUARDRAIL END TERMINAL BILL OF MATERIALS

SIZE	DWG NO.		REV.
В		BSI-1712021-AP	D
SCALE	1:96	FDOT APL 536-006-004 SHEET 5 OF 5	

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