INFORMATION HANDOUT

For Contract No. 06-0R1504
At 06-Ker-58-R88.5/R99.8

Identified by
Project ID 0614000041

MATERIALS INFORMATION

Water Availability Memo
Alternative Flared Terminal System

Tehachapi-Cummings County Water District
Our Water • Our Future

Directors:
David Hadley
Jonathan Hall
James Pack
Jean Prel
David E. Worden

Officers:
David E. Worden, *President*
Jean Prel, *Vice President*
John A. Martin, *General Manager*
Lori Bunn, *Secretary*

March 20, 2015

Minerva Rodriguez
District 6 Project Management
CalTrans

Sent via email: minerva.rodriguez@dot.ca.gov

RE: CONSTRUCTION WATER – 06-0R150_ Tehachapi CAPM project

Dear Ms. Rodriguez,

Pursuant to your request, TCCWD anticipates being able to supply construction water for your Paving Preservation project on SR 58 near Tehachapi, subject to the following conditions:

1. You did not provide the exact project location, however we have several connection points that may be available.
2. Please be advised that the nearest available connection point may be some distance from your project.
3. An "Application for Water Service" will need to be completed.
4. A deposit of $200.00 is required (credited against water use) along with an additional application fee of $35.00 – total = $235.00.
5. Water used will be billed at the rate in effect at the time of application (currently $1,385.00/acre foot).
6. Ability to provide service may be impacted by any emergency drought measures that may be in place at time of application. Currently, we have no drought restrictions on providing water service.

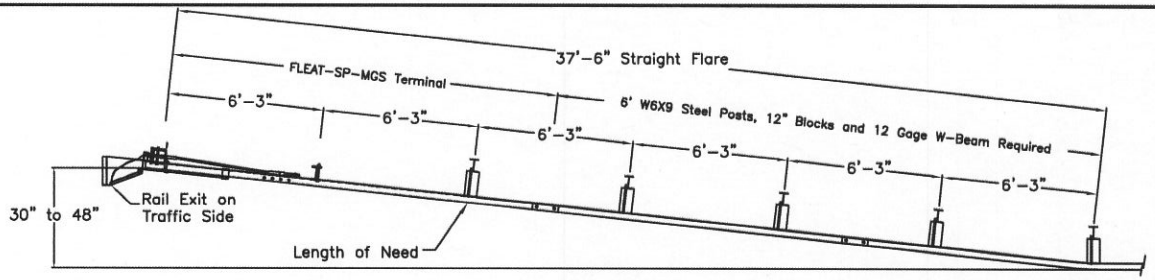
Should you desire any additional information, please do not hesitate to contact me.

Regards,

TEHACHAPI-CUMMING COUNTY WATER DISTRICT

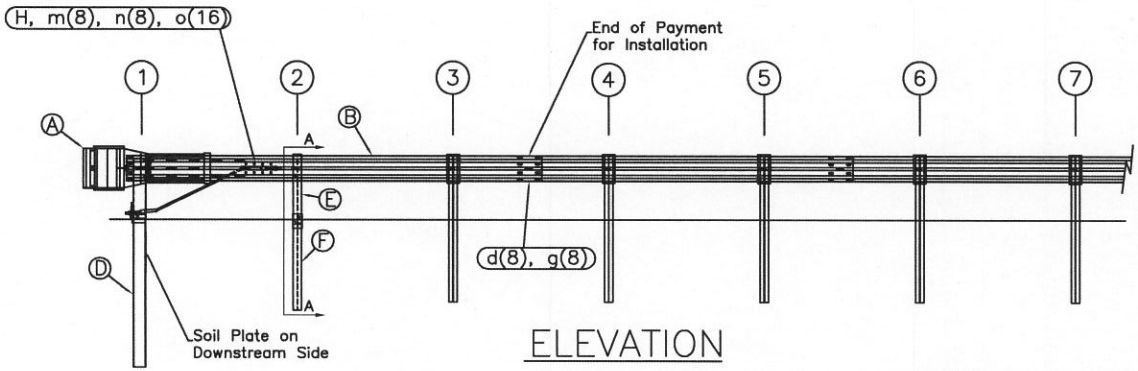
Tom Neisler
Operations Manager

22901 Banducci Road • PO Box 326 • Tehachapi, California 93561
Office 661-822-5504 • 661-325-3733 • Fax 661-822-5122
TCCWD@tccwd.com • www.TCCWD.com

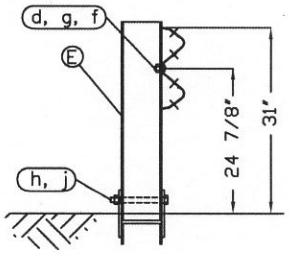


PLAN

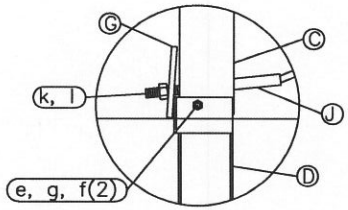
TRAFFIC



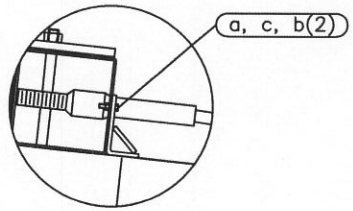
ELEVATION



SECTION A–A
Post #2



Post #1 Connection Detail



Impact Head Connection Detail

ITEM	QTY	BILL OF MATERIALS	ITEM NO.
A	1	IMPACT HEAD	F3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	MGS-SF1303
C	1	FIRST POST TOP (6X6x8" Tube)	TPHP1A
D	1	FIRST POST BOTTOM (6' W6X15)	TPHP1B
E	1	SECOND POST ASSEMBLY TOP	UHP2A
F	1	SECOND POST ASSEMBLY BOTTOM	HP3B
G	1	BEARING PLATE	E750
H	1	CABLE ANCHOR BOX	S760
J	1	BCT CABLE ANCHOR ASSEMBLY	E770
		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	9	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
e	1	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
f	3	5/8 WASHER	W050
g	10	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
l	2	1 ANCHOR CABLE WASHER	W100
m	8	CABLE ANCHOR BOX SHOULDER BOLT	SB58A
n	8	1/2 A325 STRUCTURAL NUT	N055A
o	16	1 1/16 OD x 9/16 ID A325 STR. WASHER	W050A

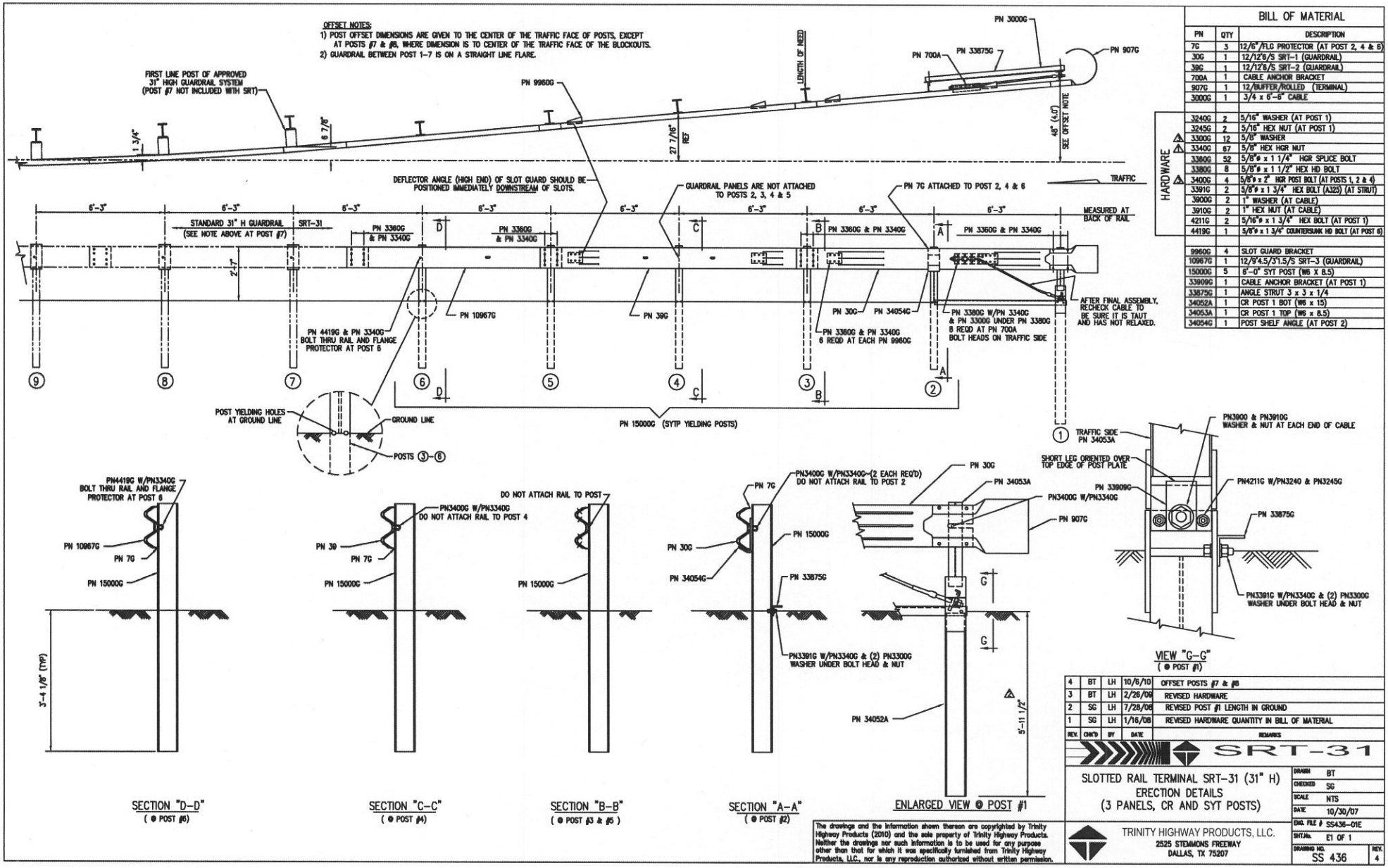
GENERAL NOTES:
1. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
2. The lower sections of the Posts 1&2 shall not protrude more than 4 in above the ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
3. The lower sections 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. When competent rock is encountered, a 12" Ø post hole, 20 in. deep cored into the rock surface may be used if approved by the engineer for post 1. Granular material will be placed in the bottom of the hole, approximately 2.5" deep to provide drainage. The first 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.

RSI
Road Systems, Inc.
Big Spring, TX
Phone: 432-263-2435
or Phone: 330-346-0721

FLEAT-SP-MGS Terminal
Midwest Guardrail System
31" Top of Rail

Sheet: 1
Date: 02/24/10
By: JRR

Drawing Name: FLT-SP-S-MGS
Scale: None
Rev: 0



BILL OF MATERIAL

	PN	QTY	DESCRIPTION
	7G	3	12/6"/FLG PROTECTOR (AT POST 2, 4 & 6)
	30G	1	12/12'6/S SRT-1 (GUARDRAIL)
	39G	1	12/12'6/S SRT-2 (GUARDRAIL)
	700A	1	CABLE ANCHOR BRACKET
	907G	1	12/BUFFER/ROLLED (TERMINAL)
	3000G	1	3/4 x 6'-6" CABLE
HARDWARE	3240G	2	5/16" WASHER (AT POST 1)
	3245G	2	5/16" HEX NUT (AT POST 1)
⚠	3300G	12	5/8" WASHER
⚠	3340G	67	5/8" HEX HGR NUT
	3380G	52	5/8"ø x 1 1/4" HGR SPLICE BOLT
	3380G	8	5/8"ø x 1 1/2" HEX HD BOLT
⚠	3400G	4	5/8"ø x 2" HGR POST BOLT (AT POSTS 1, 2 & 4)
	3391G	2	5/8"ø x 1 3/4" HEX BOLT (A325) (AT STRUT)
	3900G	2	1" WASHER (AT CABLE)
	3910G	2	1" HEX NUT (AT CABLE)
	4211G	2	5/16"ø x 1 3/4" HEX BOLT (AT POST 1)
	4419G	1	5/8"ø x 1 3/4" COUNTERSUNK HD BOLT (AT POST 6)
	9960G	4	SLOT GUARD BRACKET
	10967G	1	12/9'4.5/3'1.5/S SRT-3 (GUARDRAIL)
	15000G	5	6'-0" SYT POST (W6 X 8.5)
	33909G	1	CABLE ANCHOR BRACKET (AT POST 1)
	33875G	1	ANGLE STRUT 3 x 3 x 1/4
	34052A	1	CR POST 1 BOT (W6 x 15)
	34053A	1	CR POST 1 TOP (W6 x 8.5)
	34054G	1	POST SHELF ANGLE (AT POST 2)

REV.	CHK'D	BY	DATE	REMARKS
4	BT	LH	10/6/10	OFFSET POSTS #7 & #8
3	BT	LH	2/26/09	REVISED HARDWARE
2	SG	LH	7/28/08	REVISED POST #1 LENGTH IN GROUND
1	SG	LH	1/16/08	REVISED HARDWARE QUANTITY IN BILL OF MATERIAL

SRT-31

SLOTTED RAIL TERMINAL SRT-31 (31" H) ERECTION DETAILS (3 PANELS, CR AND SYT POSTS)

DRAWN	BT
CHECKED	SG
SCALE	NTS
DATE	10/30/07
ENG. FILE #	SS436-01E
SHT.No.	E1 OF 1
DRAWING NO.	SS 436
REV.	4

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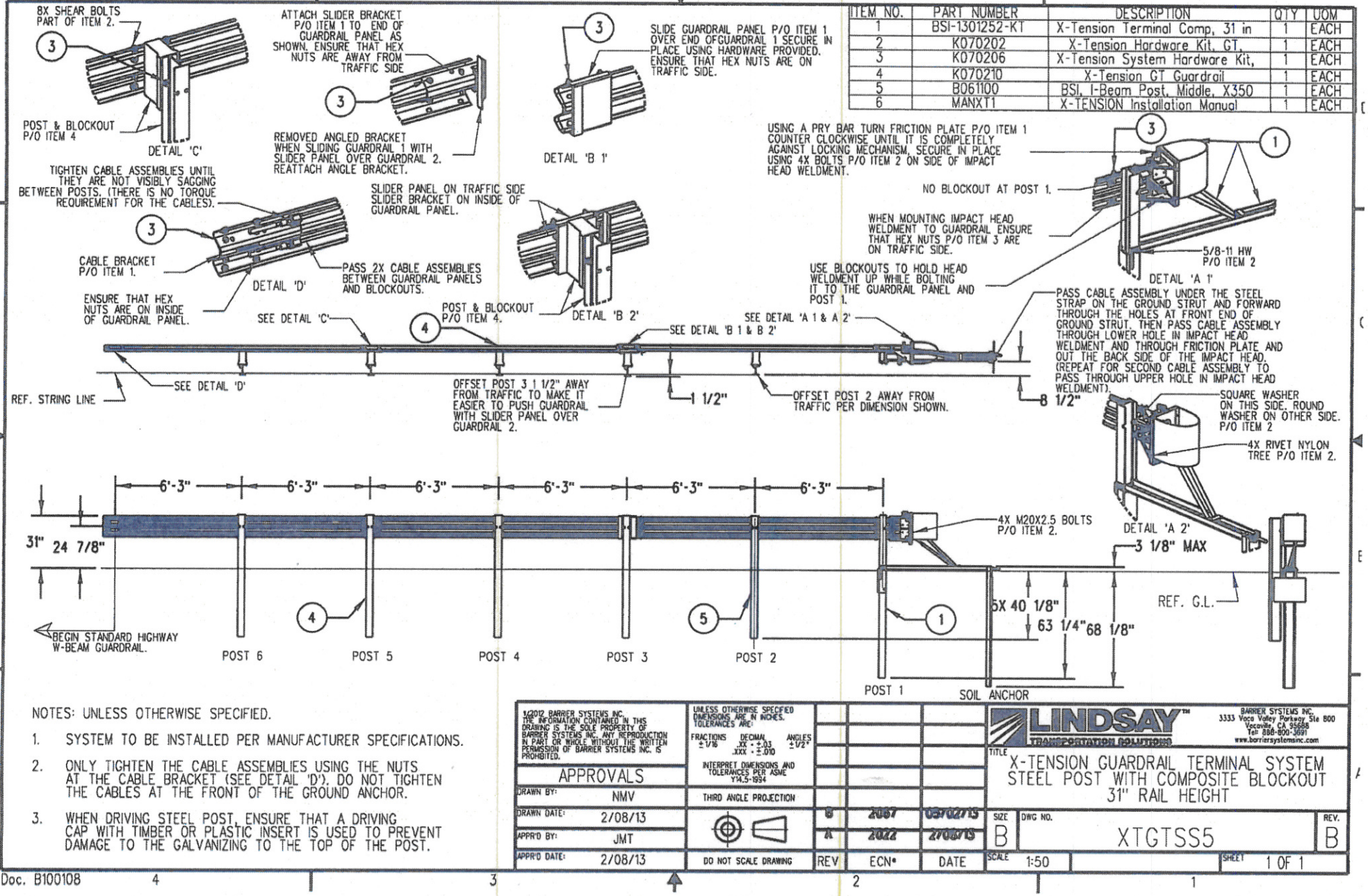
TRINITY HIGHWAY PRODUCTS, LLC.
2525 STEMMONS FREEWAY
DALLAS, TX 75207



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	UOM
1	BSI-1301252-KT	X-Tension Terminal Comp, 31 in	1	EACH
2	K070202	X-Tension Hardware Kit, GT,	1	EACH
3	K070206	X-Tension System Hardware Kit,	1	EACH
4	K070210	X-Tension GT Guardrail	1	EACH
5	B061100	BSI, I-Beam Post, Middle, X350	1	EACH
6	MANXT1	X-TENSION Installation Manual	1	EACH

NOTES: UNLESS OTHERWISE SPECIFIED.

1. SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
2. ONLY TIGHTEN THE CABLE ASSEMBLIES USING THE NUTS AT THE CABLE BRACKET (SEE DETAIL 'D'). DO NOT TIGHTEN THE CABLES AT THE FRONT OF THE GROUND ANCHOR.
3. WHEN DRIVING STEEL POST, ENSURE THAT A DRIVING CAP WITH TIMBER OR PLASTIC INSERT IS USED TO PREVENT DAMAGE TO THE GALVANIZING TO THE TOP OF THE POST.

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APPROVALS

DRAWN BY:	NMV
DRAWN DATE:	2/08/13
APPR'D BY:	JMT
APPR'D DATE:	2/08/13

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16 DECIMAL .XX ±.03 .XXX ±.010 ANGLES ±1/2° INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

REV	ECN#	DATE
B	2067	03/02/15
A	2022	2/08/13

LINDSAY TRANSPORTATION SOLUTIONS
BARRIER SYSTEMS INC.
3333 Vaca Valley Parkway Ste 800
Vacaville, CA 95688
Tel: 888-800-3691
www.barriersystemsinc.com

TITLE: X-TENSION GUARDRAIL TERMINAL SYSTEM STEEL POST WITH COMPOSITE BLOCKOUT 31" RAIL HEIGHT

SIZE	DWG NO.	REV.
B	XTGTSS5	B

SCALE 1:50 SHEET 1 OF 1

Doc. B100108