# INFORMATION HANDOUT

**For Contract No. 05-1C2404**
**At 05-SLO-1-17.7/59.0**

**Identified by**
**Project ID 0512000106**

05-1C2404
05-SLO-1-17.7/59.0
Project ID 0512000106

## MATERIALS INFORMATION

Water Source Information

Natina Estimate

Manufacturer Drawings for Alternative Flared Terminal System

CITY OF SAN LUIS OBISPO
879 Morro Street • San Luis Obispo, CA 93401

May 21, 2015

Kian Hemmati, Project Engineer
CalTrans D5 Maintenance Design
50 Higuera
San Luis Obispo, CA 93401

Re: City of San Luis Obispo
Construction Water Permit for Use of Recycled Water

Dear Mr. Hemmati:

The City of San Luis Obispo agrees to make non-potable water available to your prospective rumble strip project (on Route 1 from Highland Drive to approximately Hearst Castle Road) Contractor, dependent upon the Contractor obtaining and maintaining a permit through the City's Construction Water Permit program. At this time the permit fee is $1,260 annually (July 1 through June 30). The permit application and associated requirements can be found at the following internet site:

http://www.slocity.org/government/department-directory/utilities-department/documents-and-files

If you have any questions please contact me via email at jmetz@slocity.org or by phone at 805-781-7239. Thank you.

Sincerely,

Jennifer Metz, Utilities Project Manager
City of San Luis Obispo

The City of San Luis Obispo is committed to include the disabled in all of its services, programs and activities.
Telecommunications Device for the Deaf (805) 781-7410

License #983993

Expires:05/31/16

# NATINA

Page No. 1 of 1

P.O. Box 4563
Palm Desert, CA 92261
(877) 762-8462

## ESTIMATE

| PROPOSAL SUBMITTED TO | | TODAY'S DATE | LOCATION |
|---|---|---|---|
| **Caltrans - SLO**<br>**Attn: Laurie Cummings** | | 4/1/15 | Cayucos, CA |
| PHONE NUMBER | FAX NUMBER | CONTRACT NUMBER | |
| **(805) 549-3401** | | 05-1C240 | |
| ADDRESS, CITY, STATE, ZIP | | CLIENT | |
| **50 Higuera Street**<br>**San Luis Obispo, CA 93401-5415** | | Caltrans | |

We propose hereby to furnish Natina staining material and labor necessary for the completion of:

| Material | Apply Natina Steel stain to: | Unit Price | Total |
|---|---|---|---|
| | (128) 6' Steel Posts for MSG | $35.49/EA | $4,542.72 |
| | Shipping from our Mecca, CA facility back to the jobsite | $1,650.00 | $1,650.00 |
| | | **TOTAL:** | **$6,192.72** |

**PLEASE NOTE:** This quote expires one year from 3/6/15 and includes all labor, material, taxes, and delivery of stained items to the jobsite. **Items to receive color treatment must be shipped to our facility located at 95875 Avenue 70, Mecca, CA 92254.** Staining of all galvanized hardware for the above is included. Taxes, if applicable, are included.

**Proposal Includes:** Staining of above items. Material needed for any touch-ups required to fix any scratches caused during transportation and/or installation. Touch-ups are done by applying Natina Steel to the scratched areas with a sponge and are fairly simple. Shipping from our facility to the jobsite.

**Proposal Excludes:** We only do the staining and do not supply the items to be stained. Touch-ups needed to repair any of the color/finish harmed during transportation or installation. Shipping to our facility in Mecca, CA.

We propose hereby to furnish material and labor – complete in accordance with above specifications for the sum of:
Six thousand one hundred ninety-two and 72/100 dollars ( $6,192.72 )

Payment as follows: Due when application is completed

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. If either party commences legal action to enforce its rights pursuant to this agreement, the prevailing party in said legal action shall be entitled to recover its reasonable attorney's fees and costs of litigation relating to said legal action, as determined by a court of competent jurisdiction.

**Authorized Signature** Brian Hardin

Note: this proposal may be withdrawn by us if not accepted within 365 days.

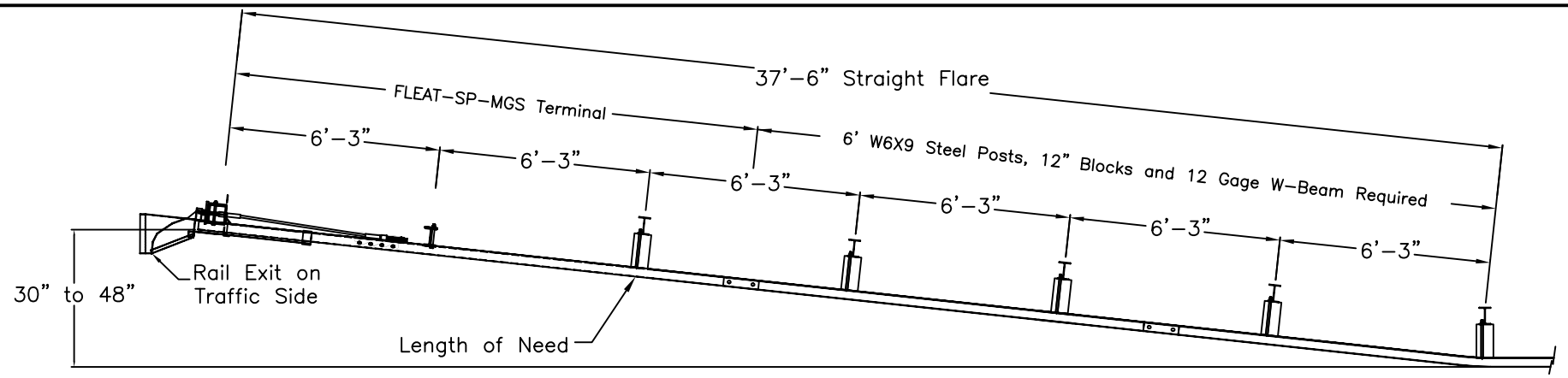
**ACCEPTANCE OF PROPOSAL** The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

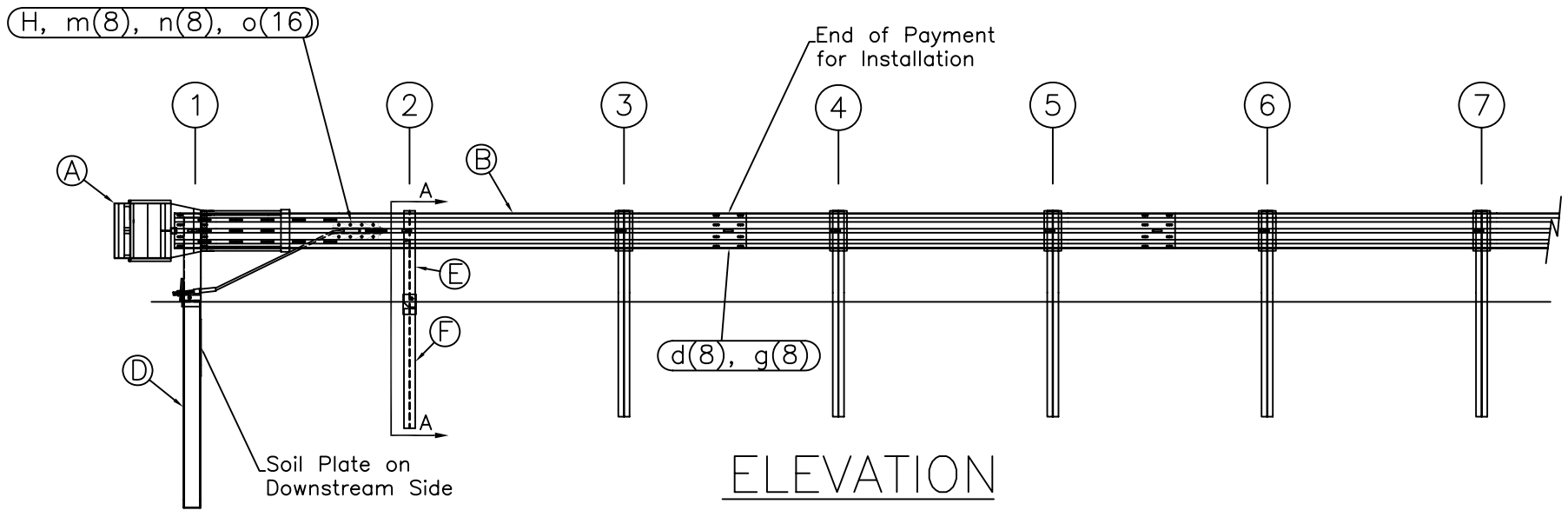
Date of Acceptance _____

WWW.THECONTRACTORSGROUP.COM & Diane Dennis Enterprises © 2004 PROP-003.doc Rev 10-04

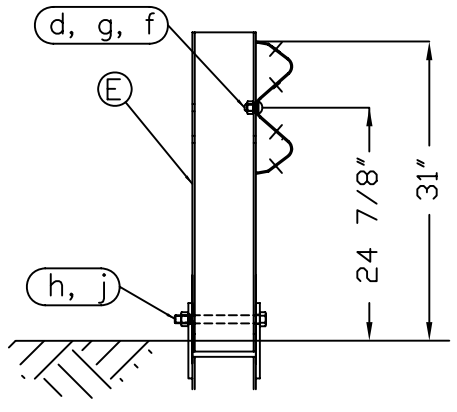



PLAN

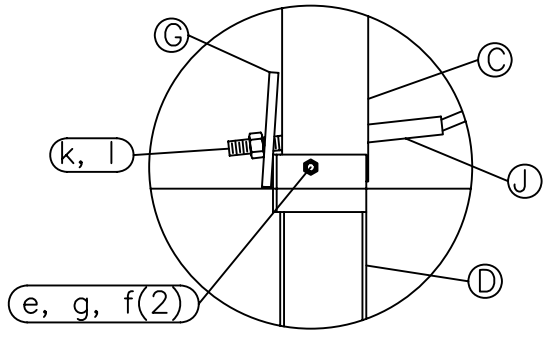
TRAFFIC



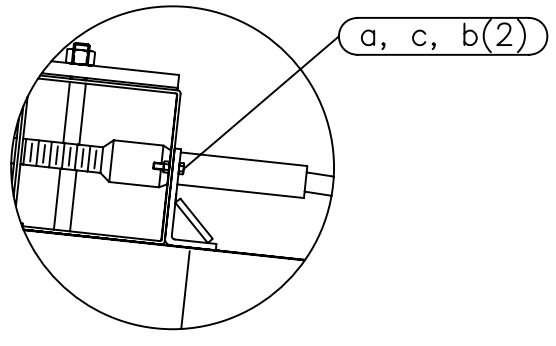

ELEVATION




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 (6X6X$\frac{1}{8}$" 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

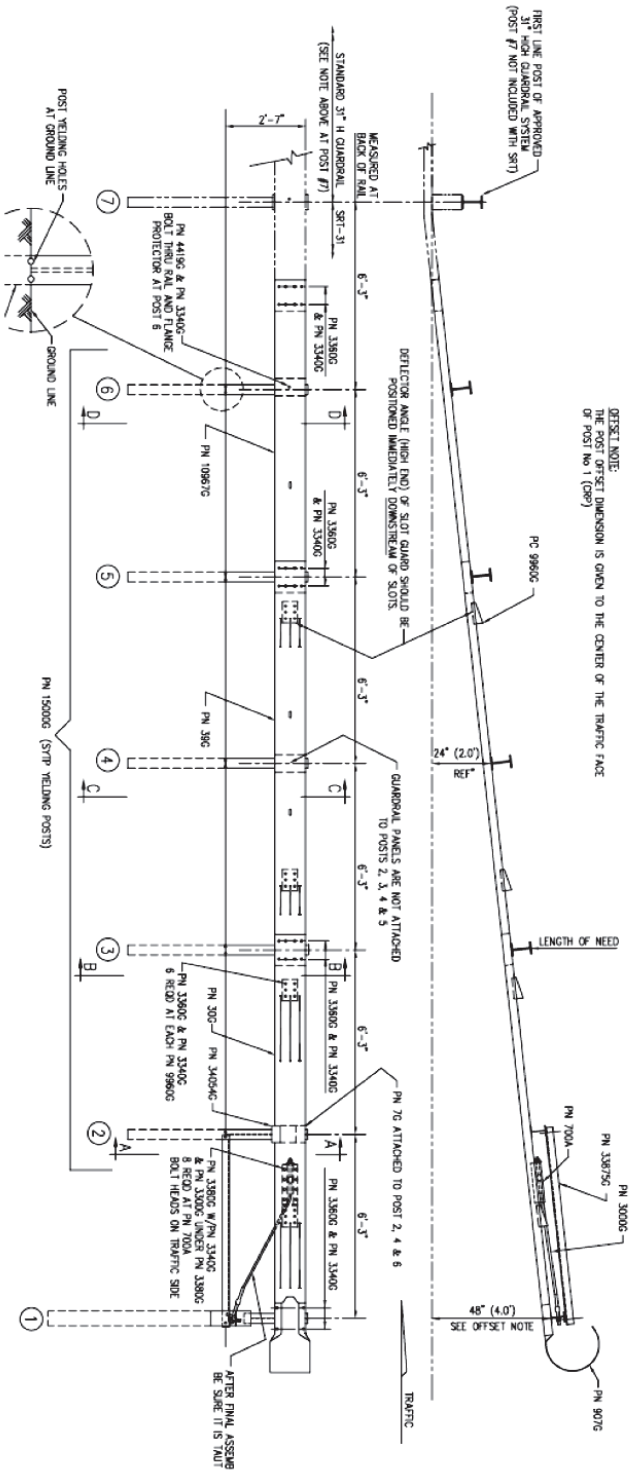
# FLEAT-SP-MGS Terminal Midwest Guardrail System 31" Top of Rail

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

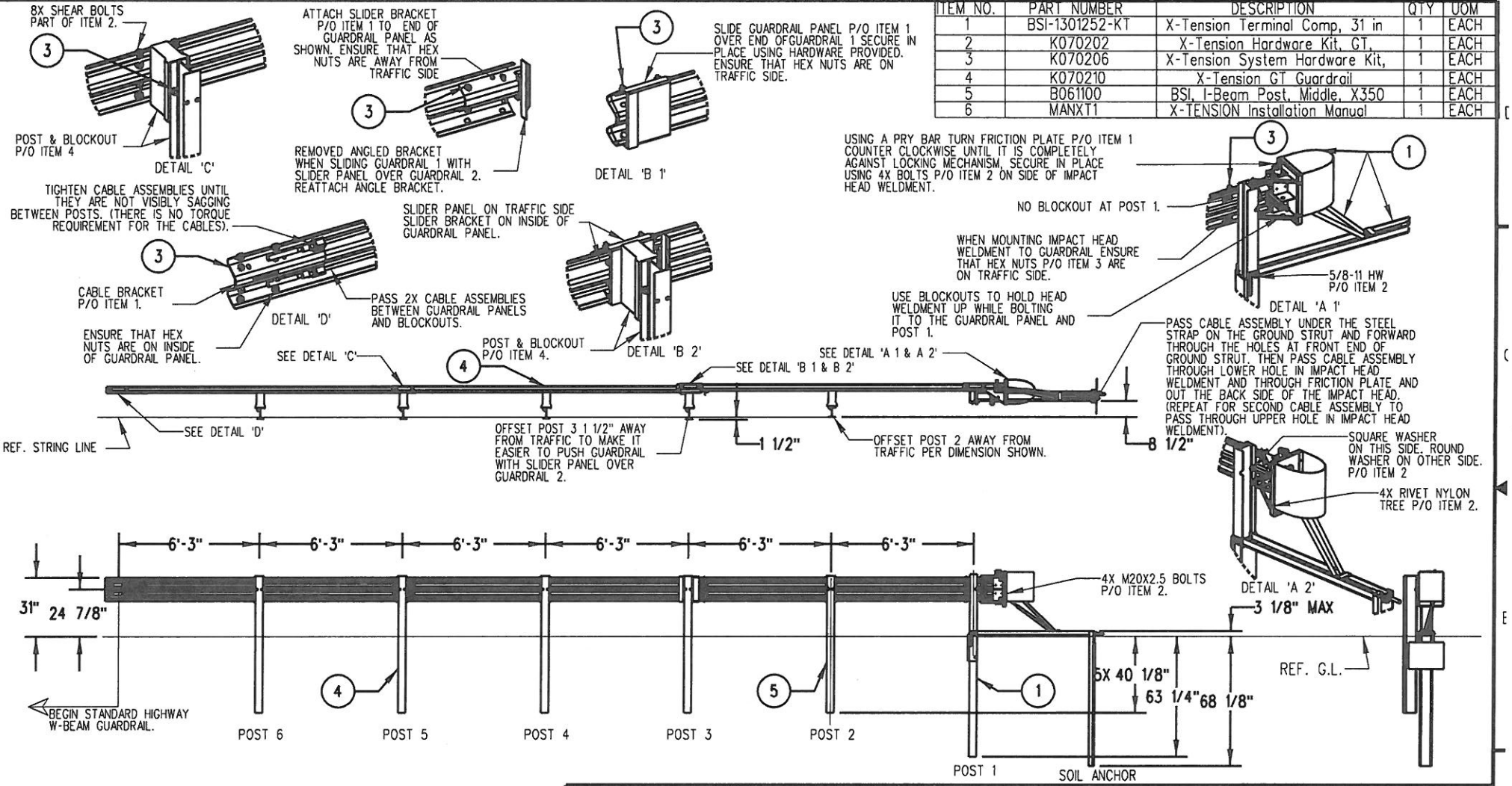
| Drawing Name: | Scale: | Rev: |
|---|---|---|
| FLT-SP-S-MGS | None | 0 |

## SRT™-31 SYSTEM

**FOR SPECIFIC INSTALLATION, MAINTENANCE, OR REPAIR DETAILS, REFER TO THE STATE/SPECIFYING AGENCY'S STANDARD DRAWING(S) AND/OR TRINITY STANDARD LAYOUT DRAWINGS**



| 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 | 05/02/13 |
| 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