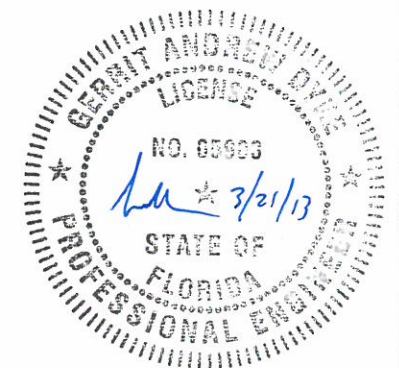


CONTENTS

| DESCRIPTION                          | DRAWING NUMBER          |
|--------------------------------------|-------------------------|
| FX End Terminal (Plan and Elevation) | FL-TMGUS-002-A (Rev. 0) |
| FX End Terminal (Details)            | FL-TMGUS-002-B (Rev. 0) |

FX End Terminal NOTES

1. The guardrail end anchorage system represented on this drawing is a proprietary design by Formet , Inc. and marketed under the trade name FX End Terminal.
2. This drawing is sufficient for plan details for the FX 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 FX End Terminal shall be assembled in accordance with the manufacturer's detailed drawings, procedures and specifications.
3. The FX End Terminal System is available in steel post configuration. Post #1, #3 through #6 are crimped steel W6x8.5 or W6x9 flanged posts. Post#2 is a special steel flanged post with integral soil plate (See vendor Details).  
Since the FX End Terminal is only available in a steel post configuration, it should NOT be used adjacent to sidewalks.
4. The FX End Terminal is intended for use as an approach end guardrail anchorage for shoulder guardrail. The length of need point is located at Post#3. The effective length of the FX End Terminal is 37.50'.  
The alignment of the FX End Terminal is a straight flare with an upstream offset from 0' to 4' (standard offset of 4' should be used wherever possible).
5. The FX End Terminal can not be used in medians where horizontal clearance requires the use of a backrail.
6. For galvanizing requirements of metallic components see Standard Specification Section 967.
7. For details of shoulder widening, miscellaneous asphalt pavement and pay limits see Index 400.
8. If the plans call for the FX End Terminal at a specific location, substitution with other end anchorage assemblies will not be permitted unless approved by the Engineer. If the plans call for end anchorage assembly 'Flared' at a specific location, the Contractor has the option to construct any FDOT approved flared assembly. Where a parallel end anchorage assembly is called for in the plans, any approved substitution with a flared end anchor will not be eligible for VECP consideration.
9. The FX End Terminal shall be paid for under the contract unit price for Guardrail, End Anchorage Assembly (Flared), per EA and shall be full compensation for furnishing and installing all components in accordance with the plans; manufacturer's detail drawings, procedures and specifications; and this drawing.
10. Maintain a relatively clear and traversable run-out area behind and beyond all gating end terminals.



TECHNICAL SHEET

CONSTRUCTION PRODUCTS

**FX FLARED TERMINAL**  
**FDOT QPL S536-0218**

|                |          |
|----------------|----------|
| DREW :         | REV :    |
| L.H.S.O.       | A.M.V.   |
| APPROVED :     | DATE :   |
| A.C.H.         | 03/20/13 |
| DRAW N°        |          |
| FL-TMGUS-COVER |          |



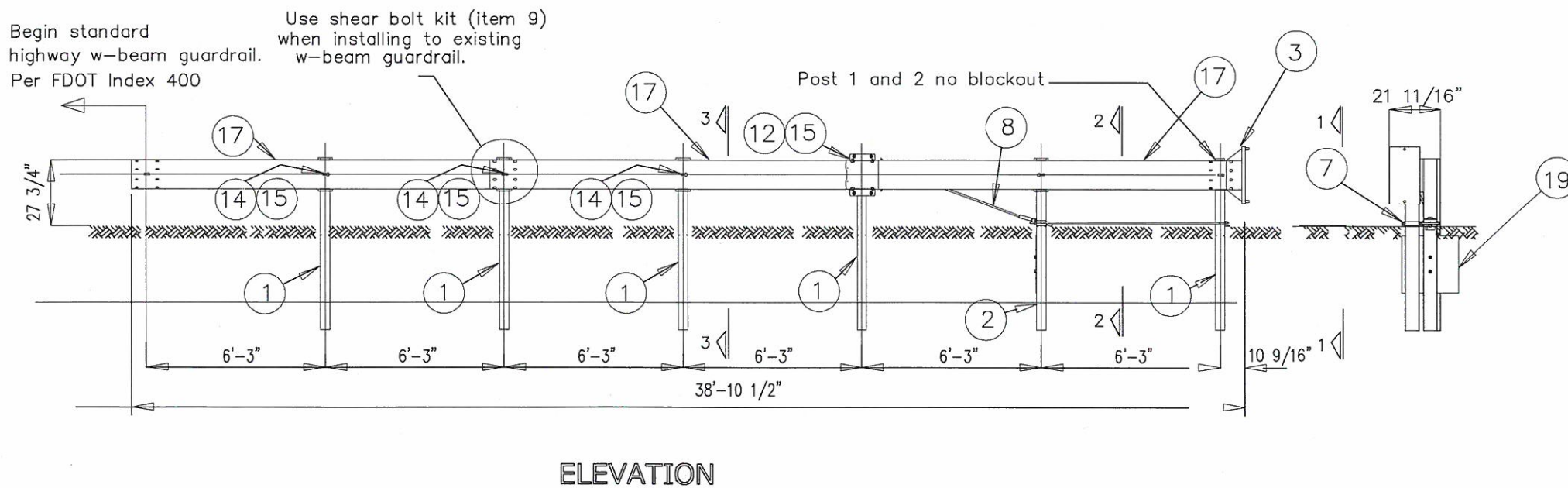
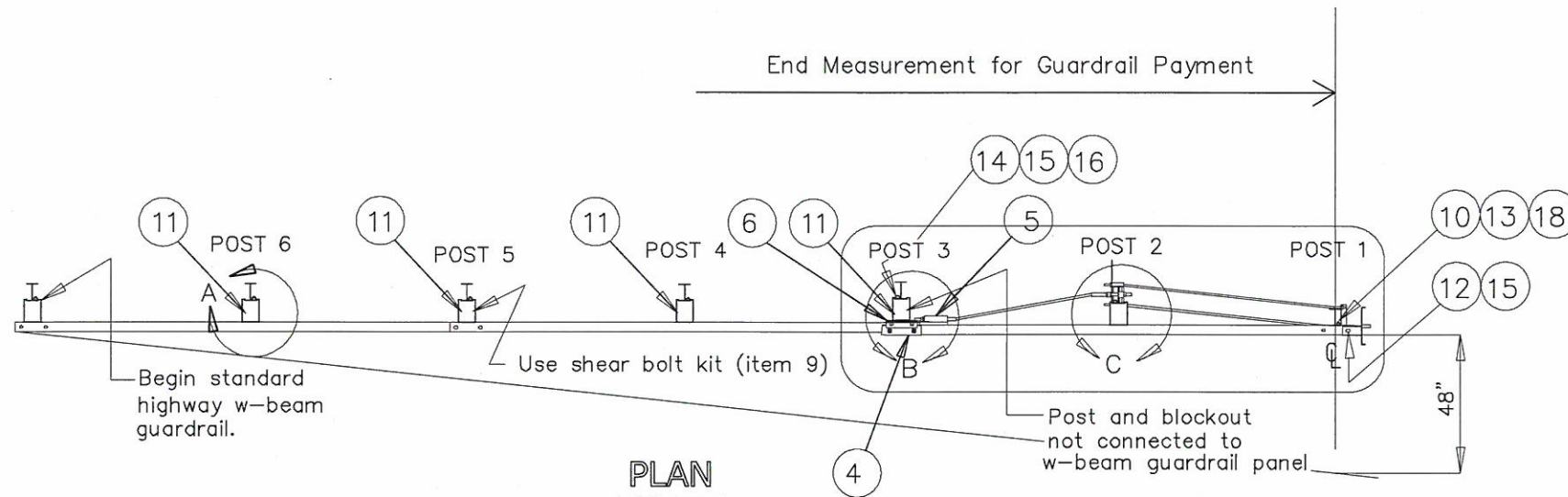
**FORMET**

| REV. N° | DATE | DESCRIPTION | MODIFIED | REV. | APPROVED |
|---------|------|-------------|----------|------|----------|
| △       |      |             |          |      |          |
| △       |      |             |          |      |          |
| △       |      |             |          |      |          |

| Model Number | System Width | System Length | Design Length | Design Speed | Test Level Designation | Remarks                             |
|--------------|--------------|---------------|---------------|--------------|------------------------|-------------------------------------|
| T0612712FX   | 21"-11/16"   | 38'-10.5"     | 37'-6"        | ≤ 45 MPH     | TL-2                   | See Low Speed Facilities Note Below |
| T0612712FX   | 21"-11/16"   | 38'-10.5"     | 37'-6"        | ≥ 50 MPH     | TL-3                   |                                     |

Note:

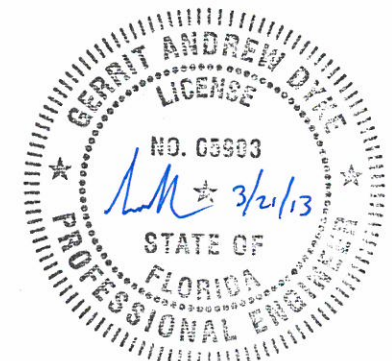
For Low Speed Facilities With a Design Speed ≤ 45 MPH- May use a TL-3 System in Lieu of a TL-2 System.  
 For High Speed Facilities With a Design Speed ≥ 50 MPH- Use a TL-3 System.



| Find No. | Part No.         | QTY | Description                        | Spec |
|----------|------------------|-----|------------------------------------|------|
| 1        | T062GP86TFC      | 5   | Crimped Post                       | FX   |
| 2        | C06BSI1012086    | 1   | Post # 2                           | FX   |
| 3        | T06SBSI1012103   | 1   | Impact Head                        | FX   |
| 4        | T06SBSI1012093   | 1   | Slider Panel, Front                | FX   |
| 5        | T06SBSI1012090   | 1   | Slider Bracket                     | FX   |
| 6        | T06SBSI1012096   | 1   | Slider Panel, Back                 | FX   |
| 7        | T06SBSI1102001KT | 1   | Ground Strut Kit                   | FX   |
| 8        | C06BSI1012104    | 1   | Cable Anchor Assembly              | FX   |
| 9        | C06BK080122      | 1   | Special Shear Bolt Kit Yellow Head | FX   |
| 10       | C06BSI1102027    | 1   | Washer, Square                     | FX   |
| 11       | C06WB6814WG      | 5   | Wood Block 6"x8"x14" w/guides      | FDOT |
| 12       | C06BS6212        | 16  | Guardrail Bolt 5/8"-11x1 1/4"      | FDOT |
| 13       | C06BS6215        | 1   | Bolt CH 5/8"-11X1 1/2" Gr2 Mgal    | FDOT |
| 14       | C06BP6210        | 5   | Bolt CH 5/8"-11x10" Gr2 Mgal       | FDOT |
| 15       | C06BN62DR        | 21  | Guardrail Nut Recessed 5/8"-11     | FDOT |
| 16       | C06B2001636      | 1   | Wshr 5/8" F436 Flat Rd Struct      | FDOT |
| 17       | T062GE120382     | 3   | W-Beam Guardrail RWM02a            | FDOT |
| 18       | C06BN62          | 1   | Nut HN 5/8"-11 Gr2 Mgal            | FDOT |
| 19       | T06PBS11012082   | 1   | Soil Plate Kit                     | FX   |

Notes:

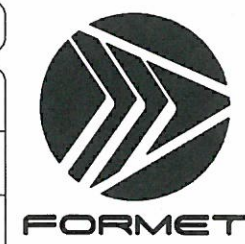
1.-All Guardrail Posts, Panels, Blockouts, and associated hardware shall be in accordance with FDOT Standard Specification 536 & Design Standard Index 400.



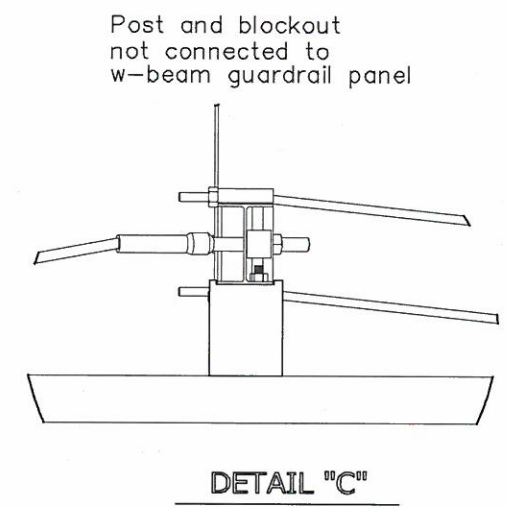
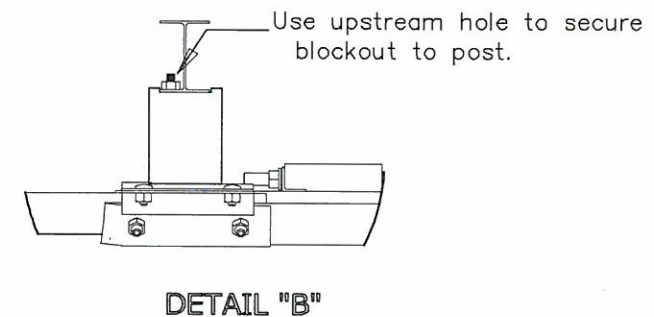
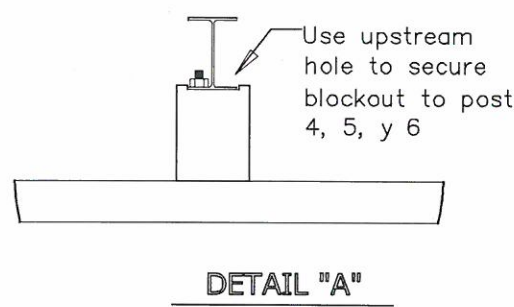
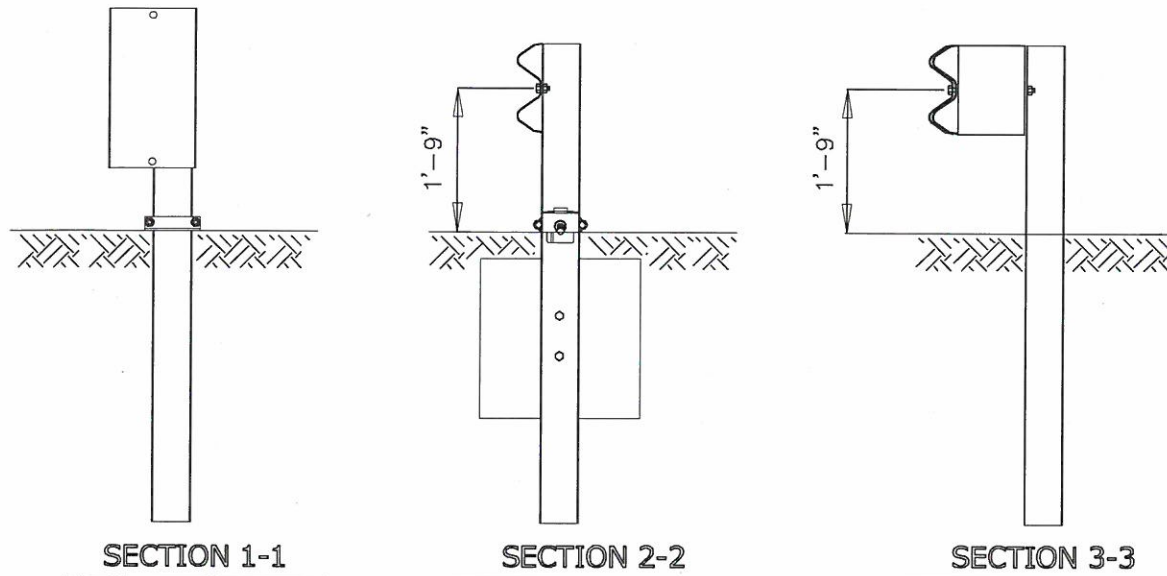
TECHNICAL SHEET CONSTRUCTION PRODUCTS

FX FLARED TERMINAL  
 FDOT QPL S536-0218

|                       |                 |
|-----------------------|-----------------|
| DREW : L.H.S.O.       | REV : A.M.V.    |
| APPROVED : A.C.H.     | DATE : 03/20/13 |
| DRAW N° FL-TMGUS-002A |                 |

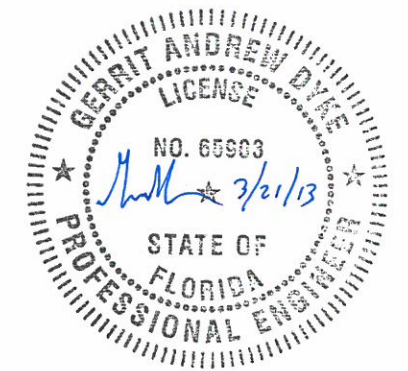
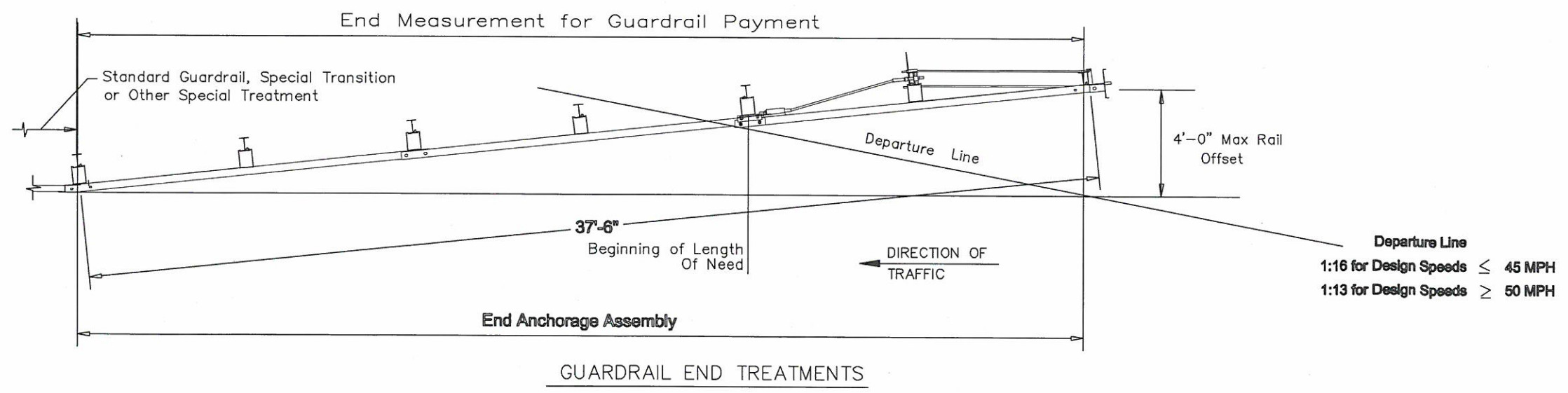


| REV. N° | DATE | DESCRIPTION | MODIFIED | REV. | APPROVED | SHEET  |
|---------|------|-------------|----------|------|----------|--------|
|         |      |             |          |      |          | 1 of 2 |



**GENERAL NOTES**

1. For additional information contact FORMET Inc. 5801 Riverside Laredo Tx. 78041 Ph; (956)753-2400 or Fax (956)753-2402
2. All bolts, nuts, cable assemblies, cable anchor, ground strut, slider pieces impact head and all steel components shall meet the galvanizing requirements for guardrail, Section 967 of the FDOT Standard Specifications
3. If rock excavation is encountered, consult the manufacturer's installation booklet for recommendations.
4. When site conditions permit, posts may be driven. If posts are placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
5. The special shear bolts used to connect the "W beam" panels at Post # 7 are different than regular splice bolts, for easy identification they are supplied with yellow heads.



**TECHNICAL SHEET CONSTRUCTION PRODUCTS**

**FX FLARED TERMINAL  
FDOT QPL S536-0218**

|                                 |                           |
|---------------------------------|---------------------------|
| DREW :<br><b>L.H.S.O.</b>       | REV :                     |
| APPROVED :<br><b>A.C.H.</b>     | DATE :<br><b>03/20/13</b> |
| DRAW N°<br><b>FL-TMGUS-002B</b> |                           |



| REV. N° | DATE | DESCRIPTION | MODIFIED | REV. | APPROVED |
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**SHEET  
2 of 2**