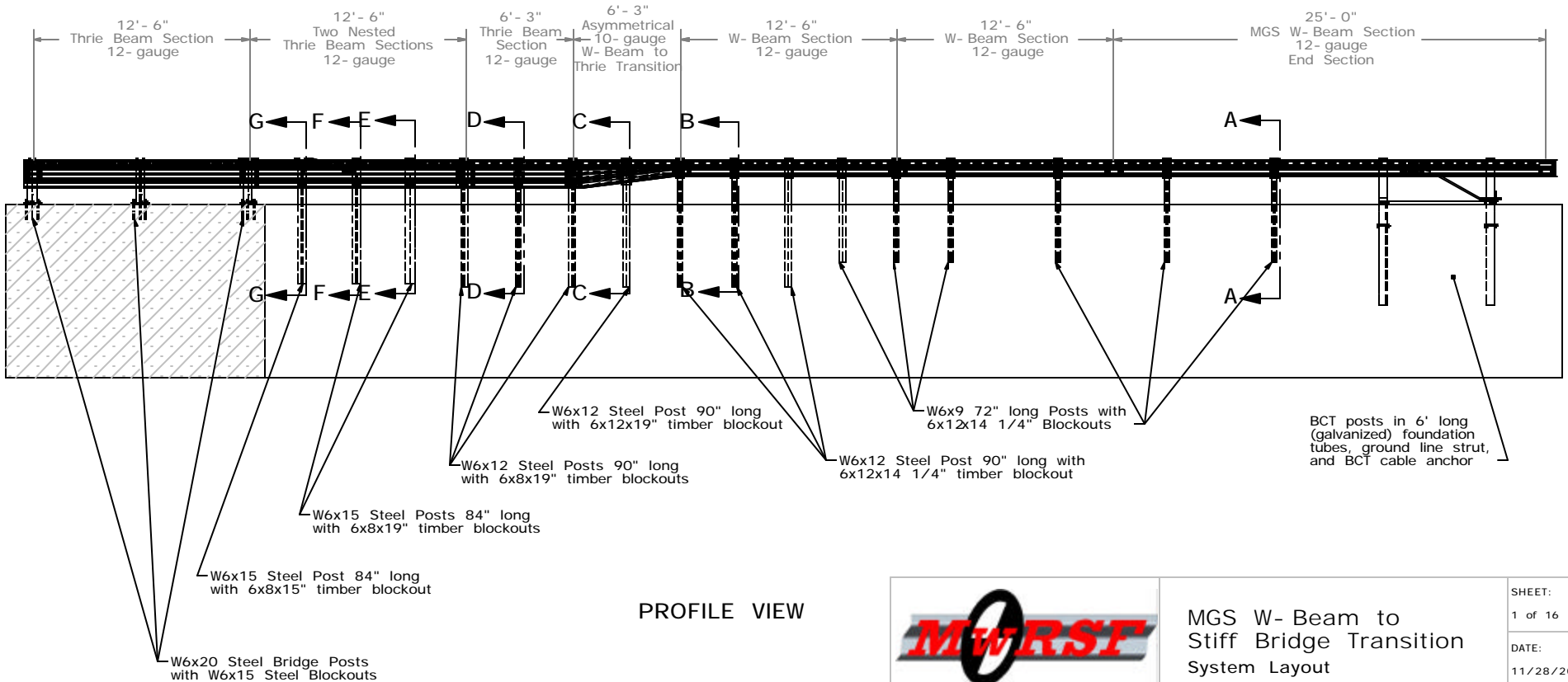


PLAN VIEW



PROFILE VIEW



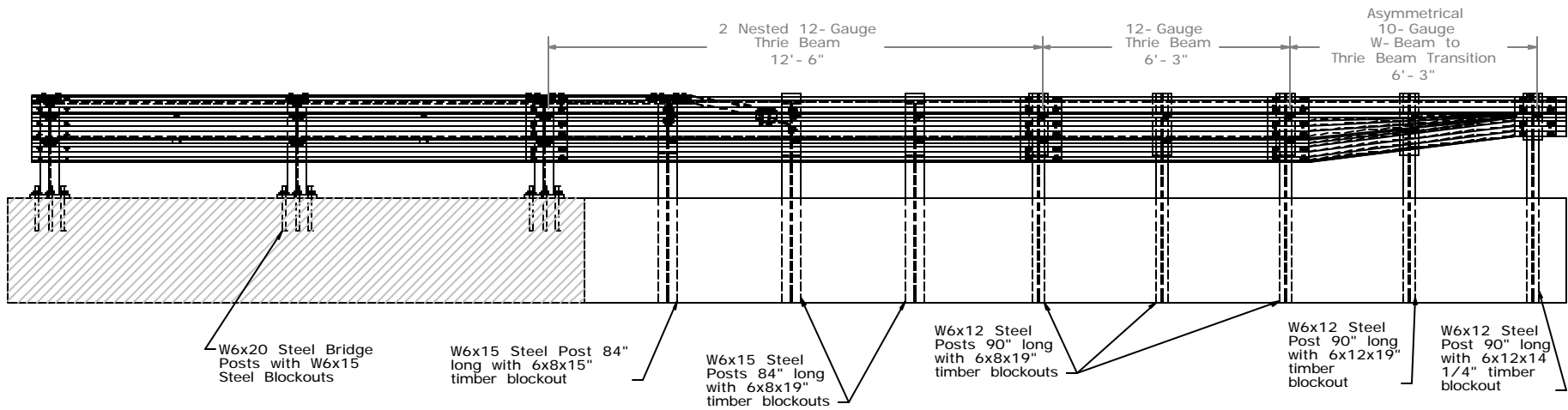
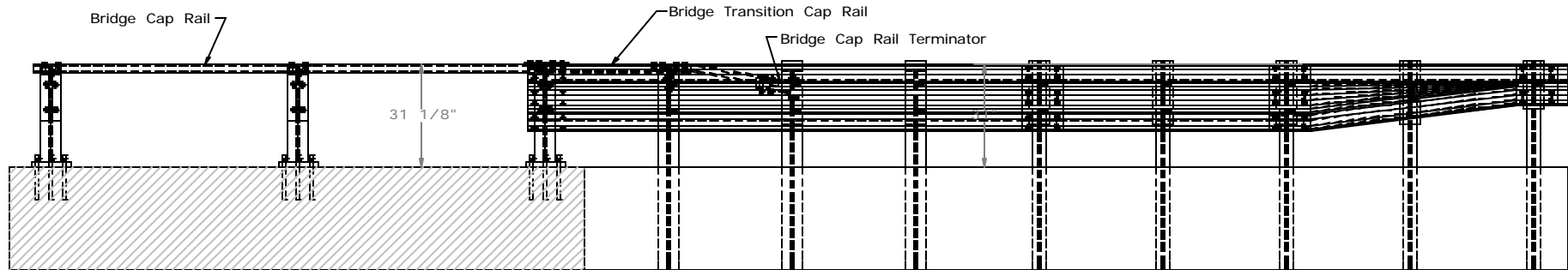
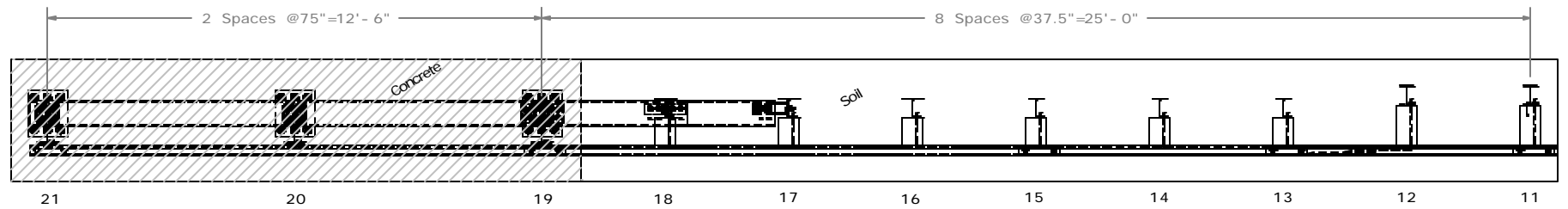
Midwest Roadside  
Safety Facility

MGS W- Beam to  
Stiff Bridge Transition  
System Layout

DWG. NAME:  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

SHEET:  
1 of 16  
DATE:  
11/28/2005  
DRAWN BY:  
GEP  
REV. BY:  
KAP



Midwest Roadside  
Safety Facility

MGS MWT

End Rail Detail  
Splice Detail

DWG. NAME.  
MWT\_FD\_RO

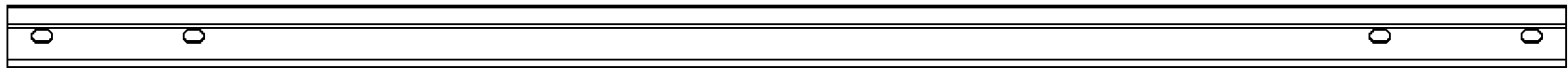
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SHEET:  
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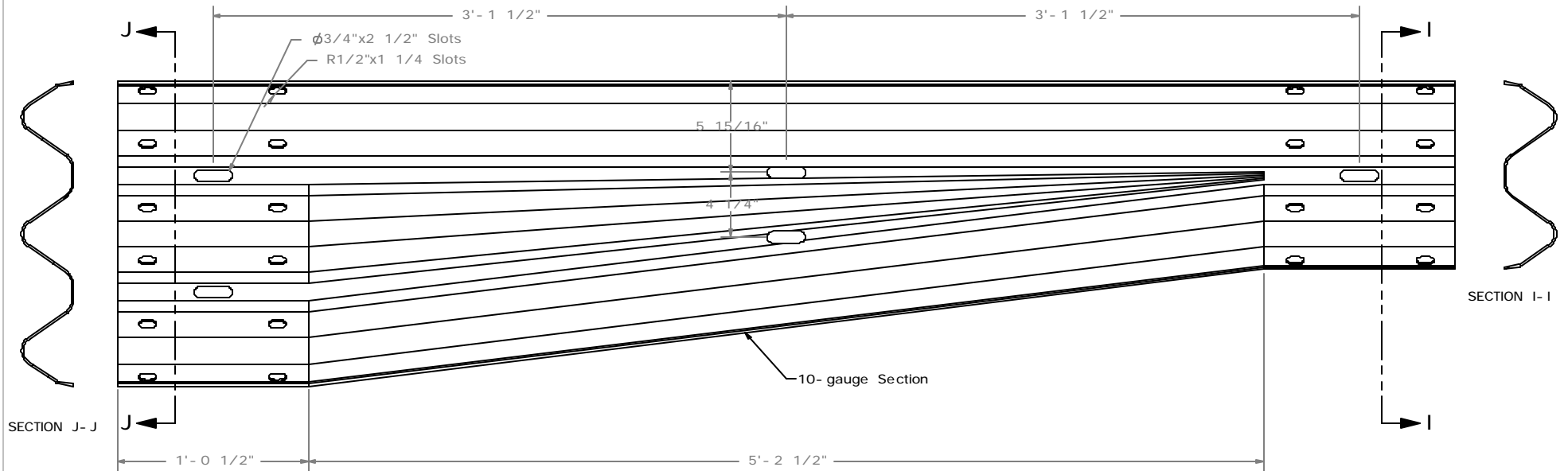
DATE:  
11/28/2005

DRAWN BY:  
GEP

REV. BY:  
KAP



PLAN VIEW



PROFILE VIEW



Midwest Roadside  
Safety Facility

MGS MWT

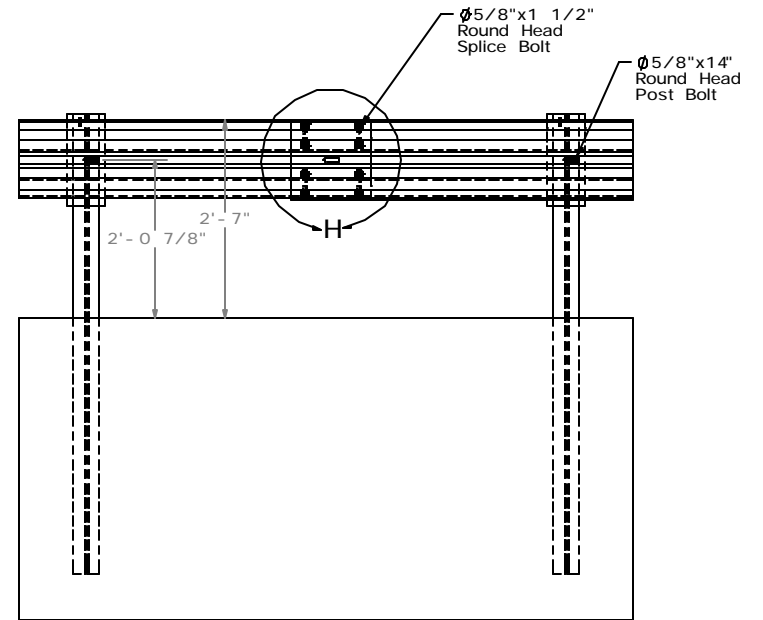
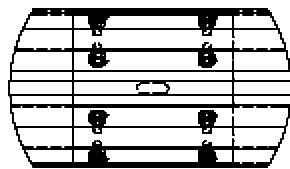
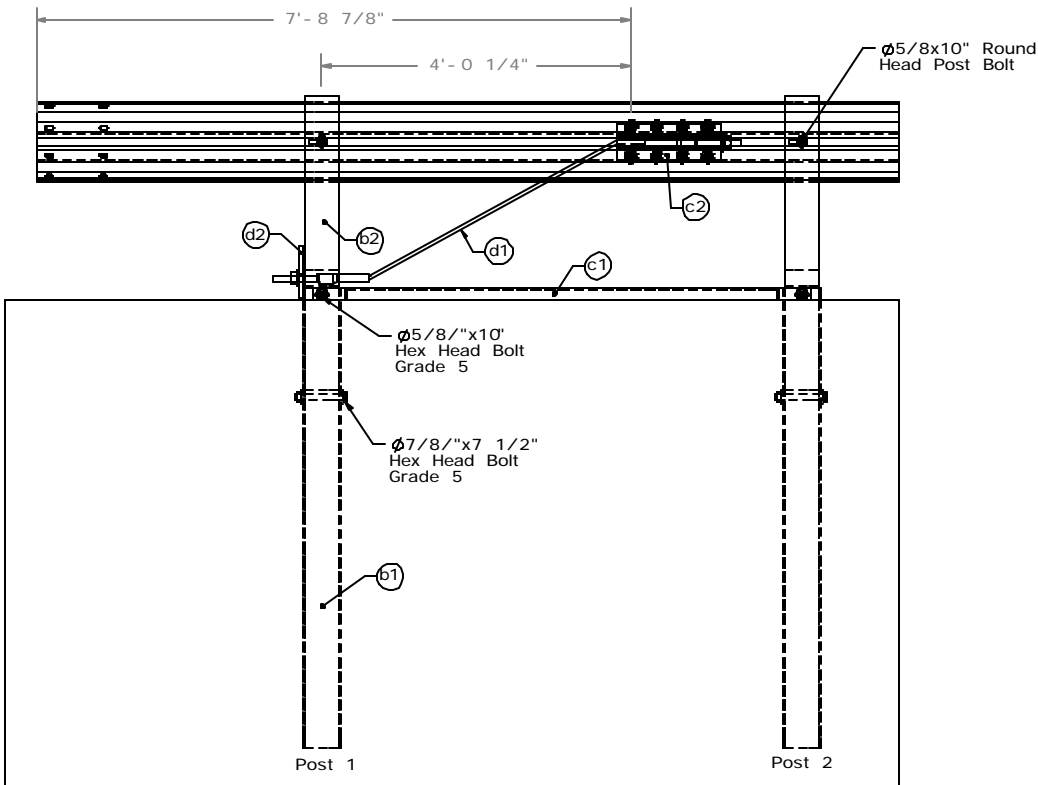
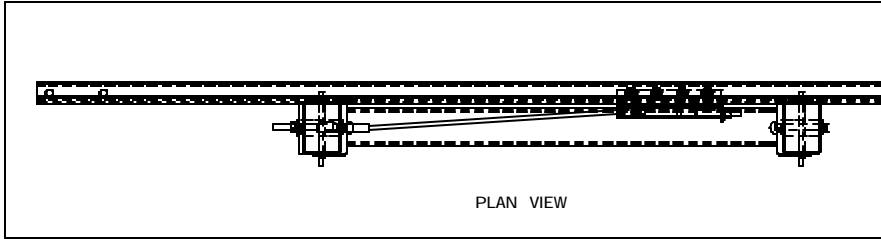
Asymmetrical W- Beam  
to Thrie Beam Transition  
Rail Section Detail

DWG. NAME:  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

SHEET:  
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DRAWN BY:  
GEP

REV. BY:  
KAP



Midwest Roadside  
Safety Facility

MGS MWT

Splice Detail  
End Rail Detail

DWG. NAME.  
MWT\_FD\_RO

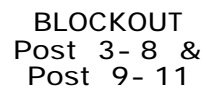
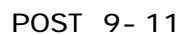
SCALE: None  
UNITS: Inches

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11/28/2005

DRAWN BY:  
GEP

REV. BY:  
KAP



MGS MWT

Posts 3- 8 [Detail](#)  
 Posts 9- 11 [Detail](#)

DWG. NAME.	MWT_FD_RO
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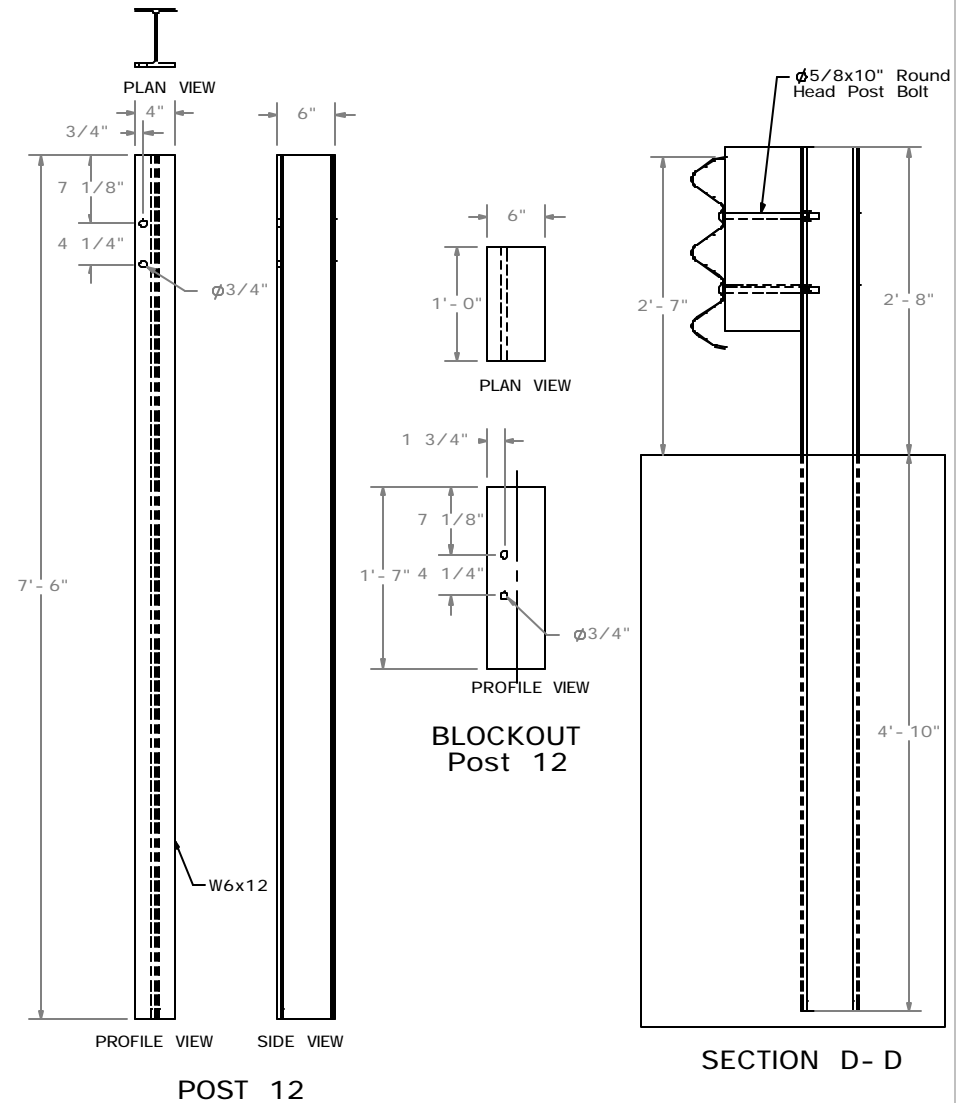
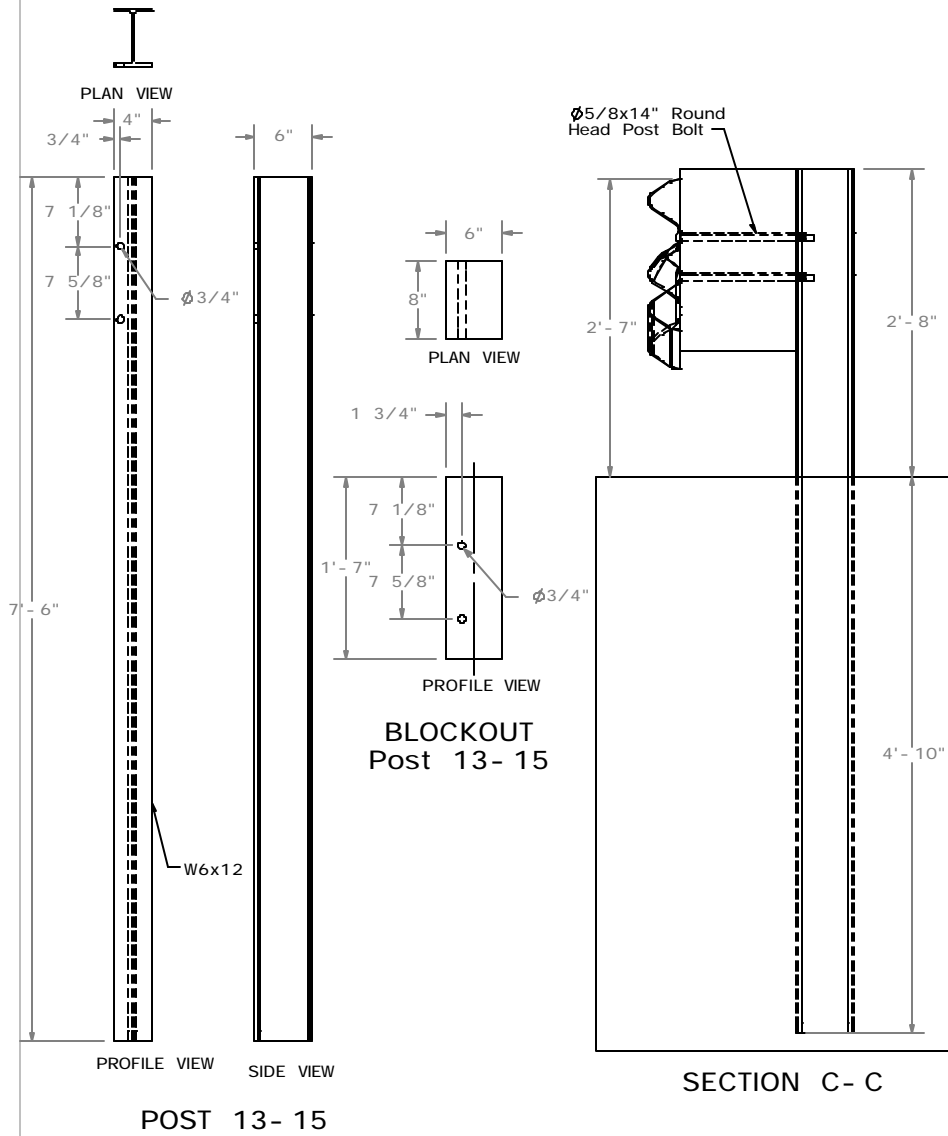
SCALE: None  
UNITS: Inches

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DRAWN BY:  
GEP

REV. BY:	
KAP	



Midwest Roadside  
Safety Facility

MGS MWT

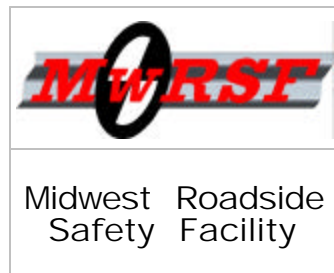
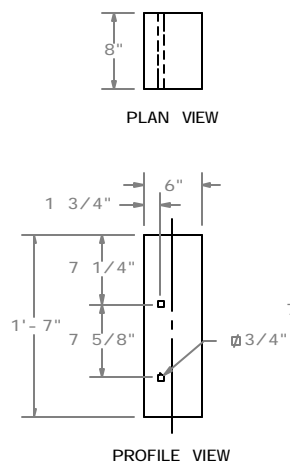
Post 12 Detail  
Posts 13-15 Detail

DWG. NAME.  
MWT\_FD\_RO

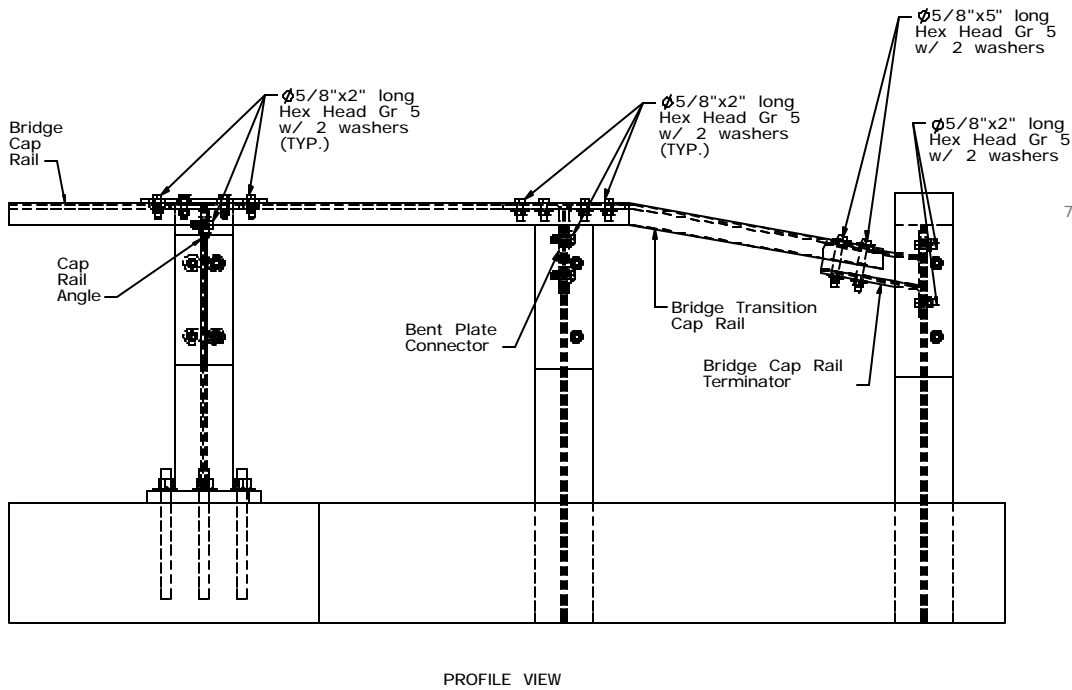
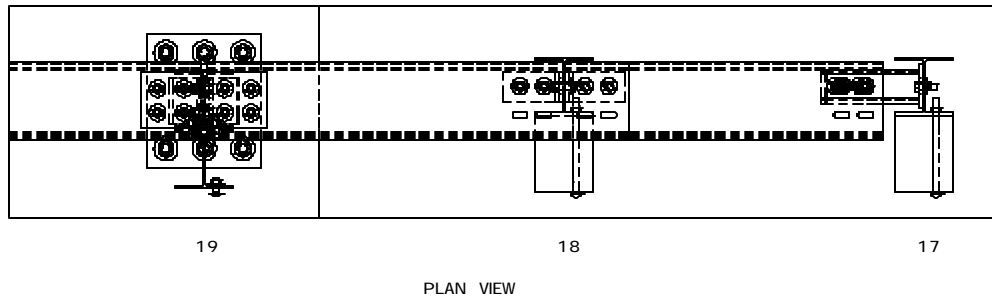
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UNITS: Inches

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DRAWN BY:  
GEP

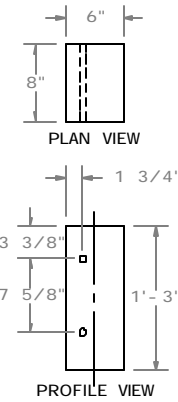
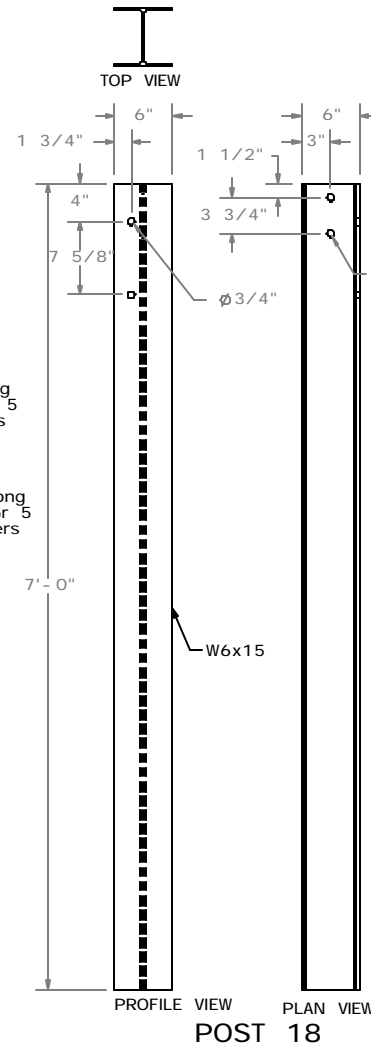
REV. BY:  
KAP



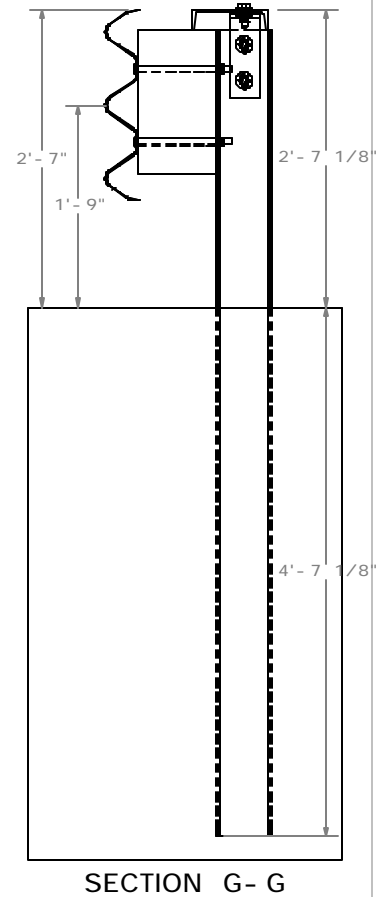
REV. BY:	
KAP	



CAP RAIL DETAILS



BLOCKOUT  
Post 18



Midwest Roadside  
Safety Facility

MGS MWT

Cap Rail Hardware Details  
Post 18 Detail

DWG. NAME:  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

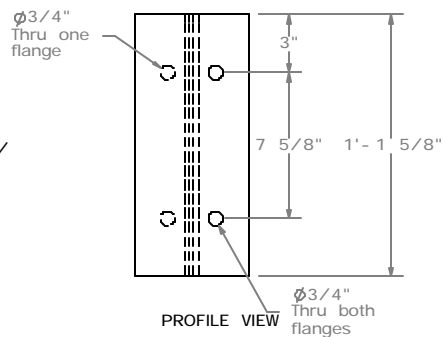
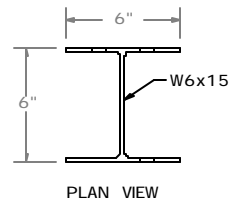
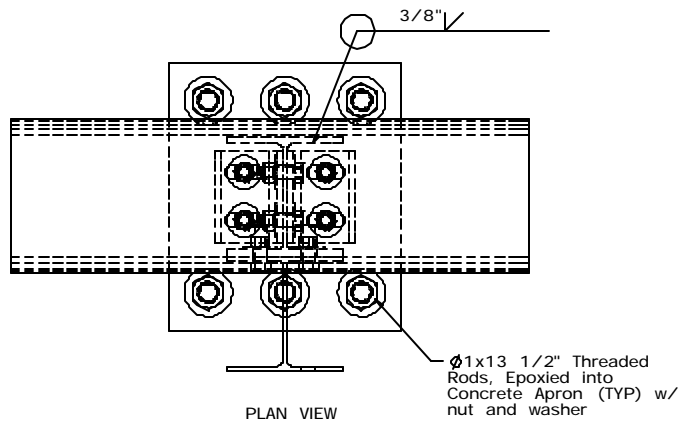
SHEET:  
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DATE:  
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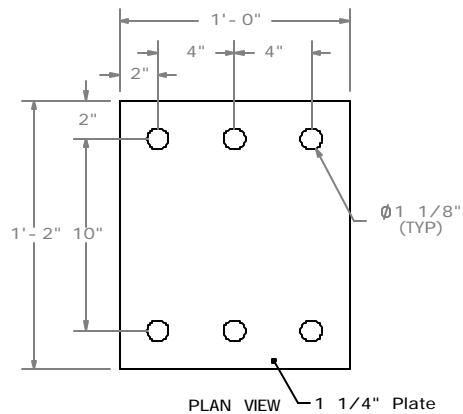
DRAWN BY:  
GEP

REV. BY:  
KAP

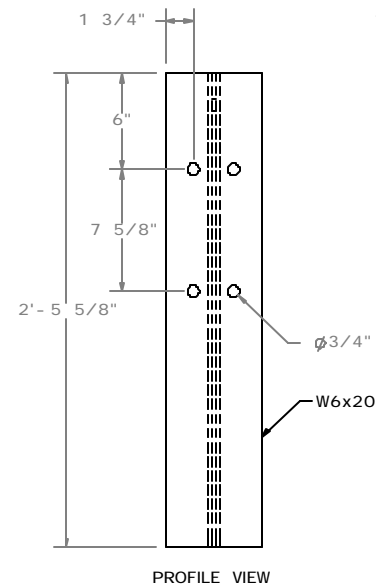
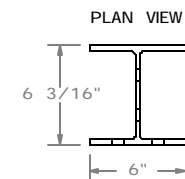




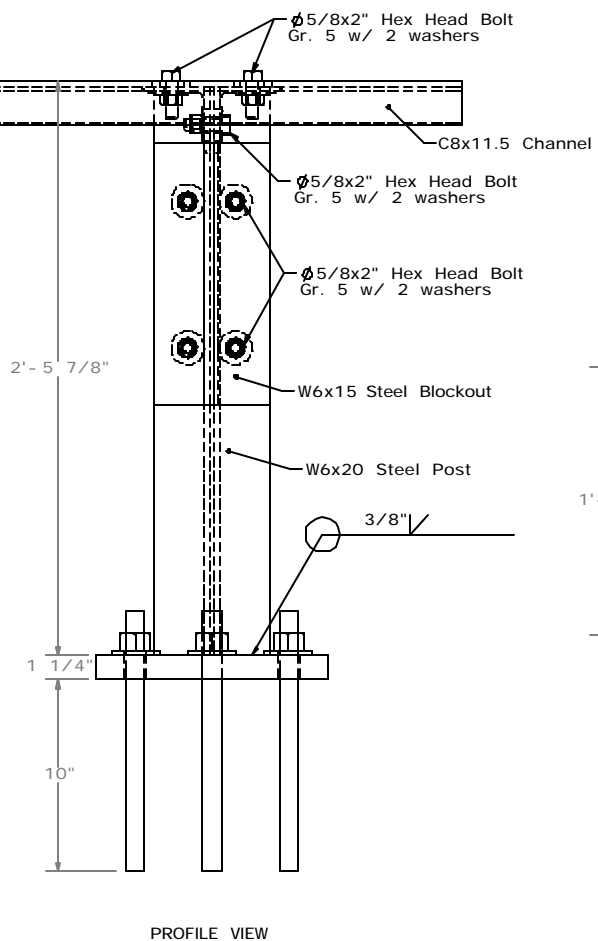
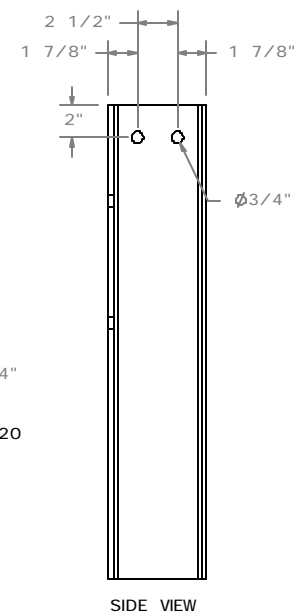
Steel Blockout



Connector Plate



Steel Post



Midwest Roadside  
Safety Facility

MGS MWT

Bridge Rail Details

DWG. NAME.

MWT\_FD\_RO

SCALE: None

UNITS: Inches

SHEET:

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DATE:

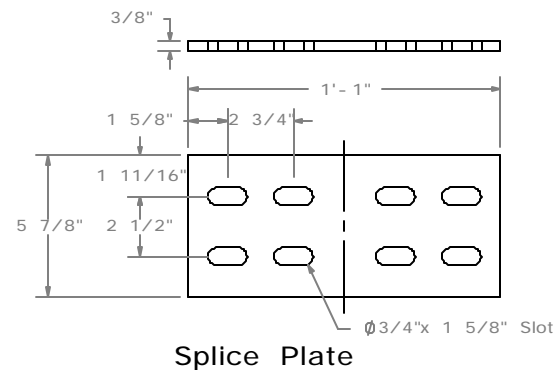
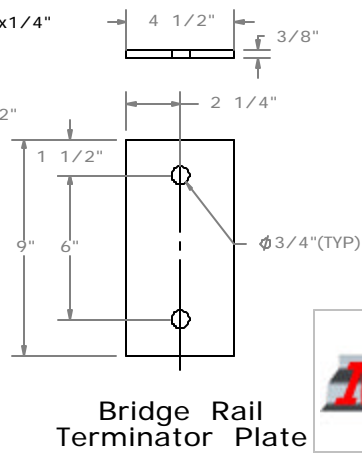
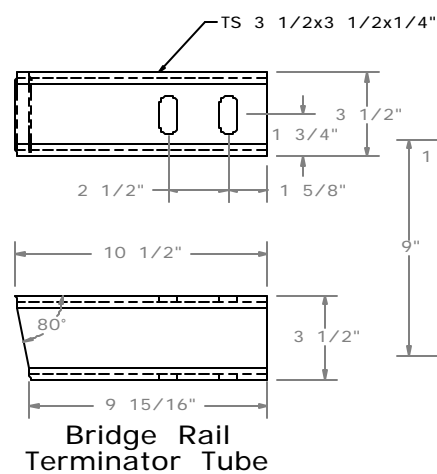
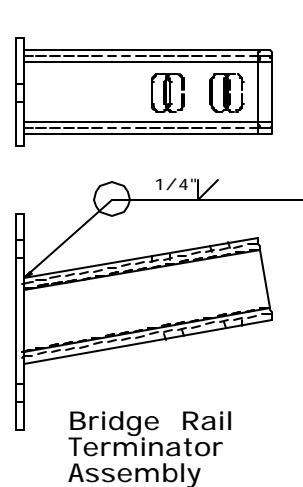
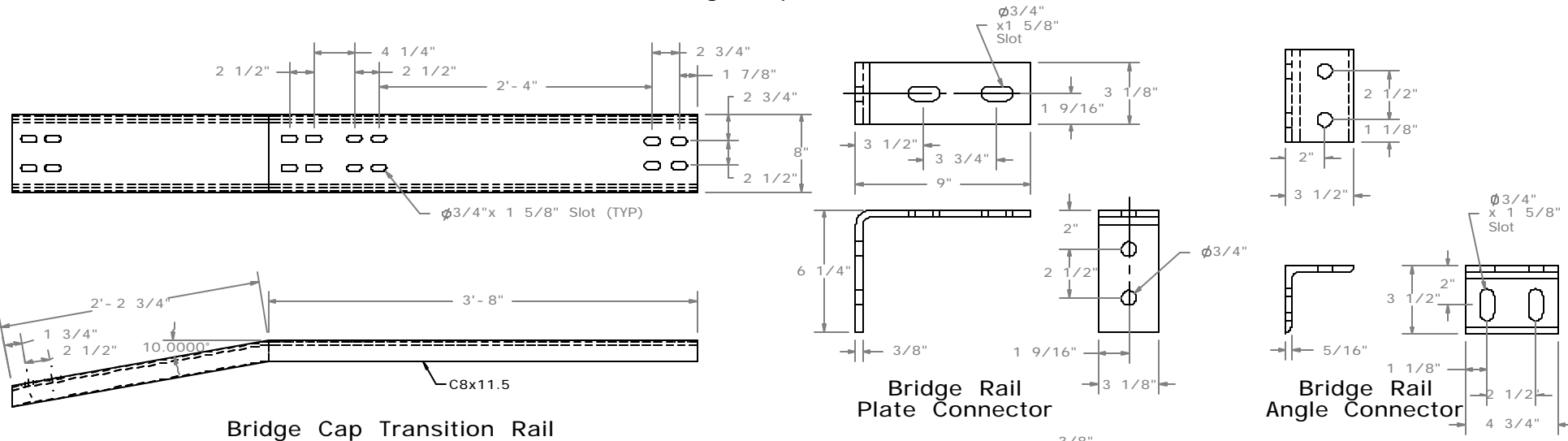
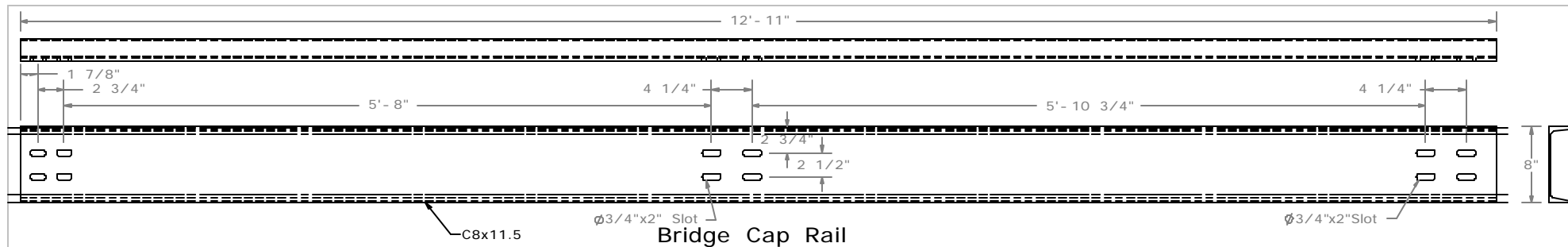
11/28/2005

DRAWN BY:

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REV. BY:

KAP



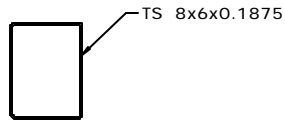
Midwest Roadside  
Safety Facility

MGS MWT  
Bridge Rail Details

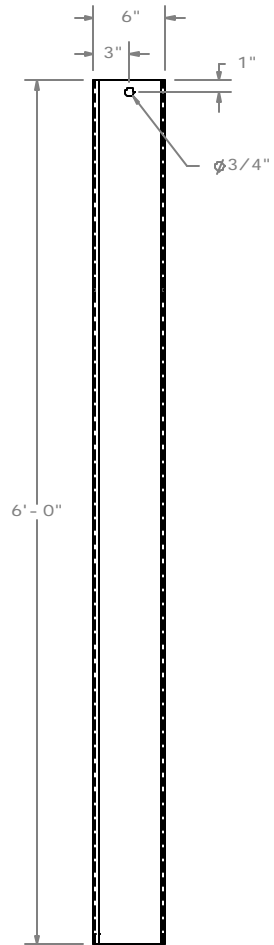
DWG. NAME.  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

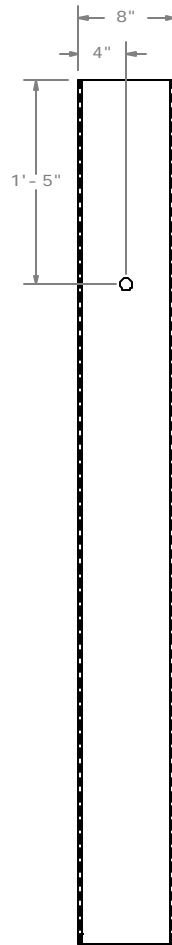
SHEET:  
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DATE:  
11/28/2005  
DRAWN BY:  
GEP  
REV. BY:  
KAP



PLAN VIEW



PROFILE VIEW

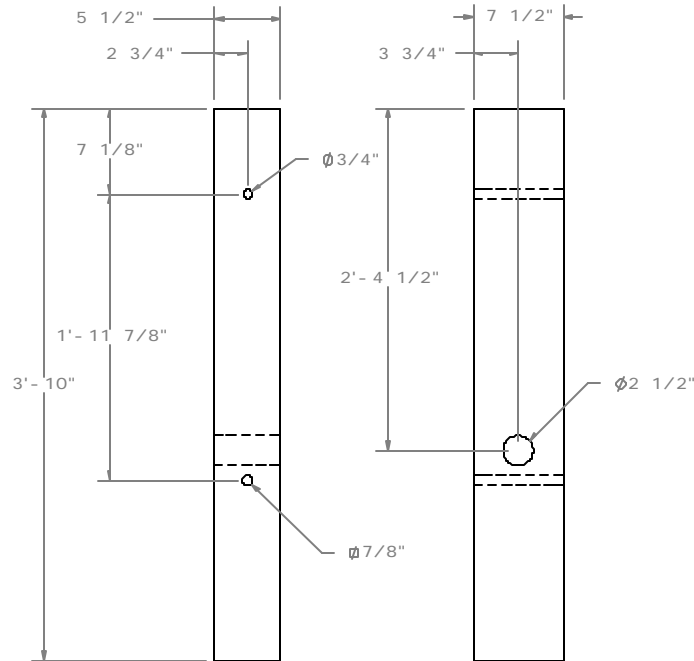


SIDE VIEW

Foundation Tube  
Part b1



PLAN VIEW



PROFILE VIEW

SIDE VIEW

BCT (MGS) Timber Post  
Part b2



Midwest Roadside  
Safety Facility

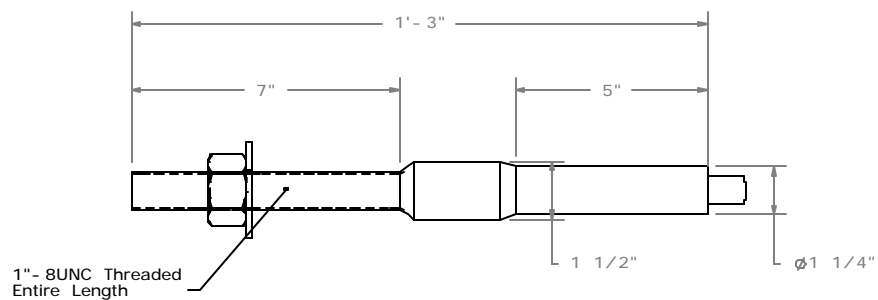
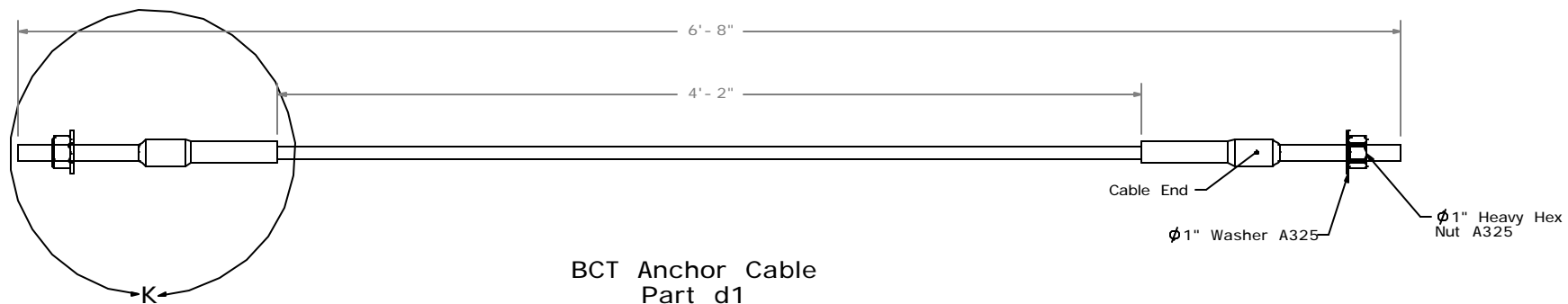
MGS MWT  
BCT Timber Posts &  
Foundation Tube Detail

DWG. NAME:  
MWT\_FD\_RO

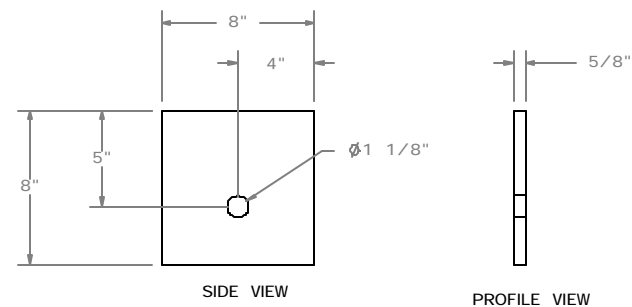
SCALE: None  
UNITS: Inches

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GEP

REV. BY:  
KAP



**DETAIL K  
SCALE 1 : 5**



**Anchor Cable  
Bearing Plate  
Part d2**



**Midwest Roadside  
Safety Facility**

**MGS MWT**

**BCT Anchor Cable Detail**

DWG. NAME.  
MWT\_FD\_RO

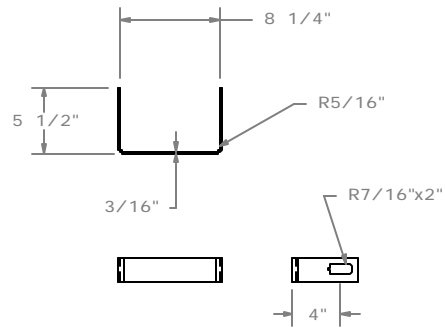
SCALE: None  
UNITS: Inches

SHEET:  
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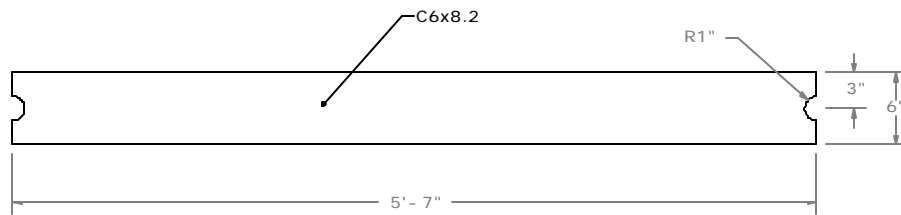
DATE:  
11/28/2005

DRAWN BY:  
GEP

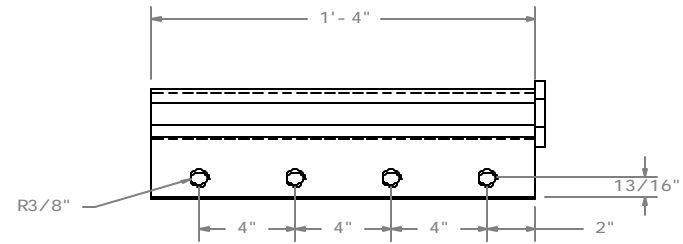
REV. BY:  
KAP



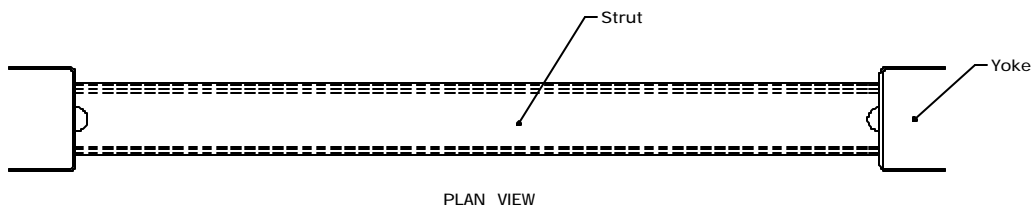
Yoke Detail



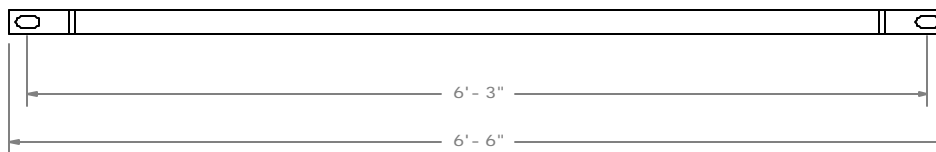
Strut Detail



Anchor Bracket  
Part c2

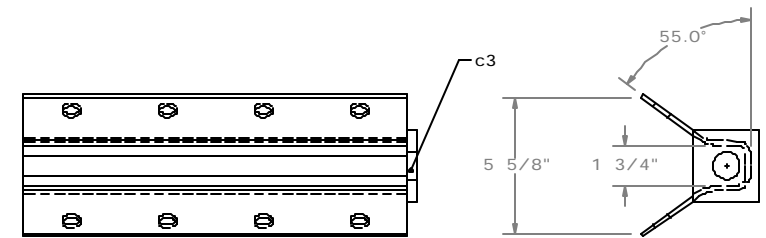


PLAN VIEW

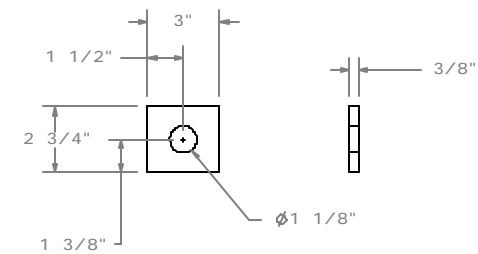


PROFILE VIEW

Ground Strut  
Part c1



Anchor Bracket  
Bearing Plate  
Part c3



Midwest Roadside  
Safety Facility

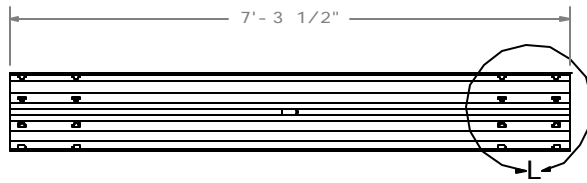
MGS MWT

Ground Strut & Anchor  
Bracket Details

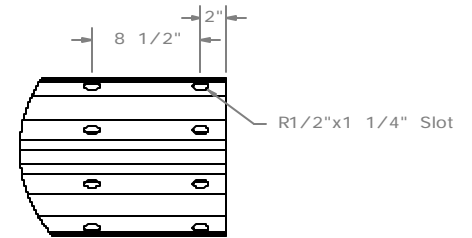
DWG. NAME.  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

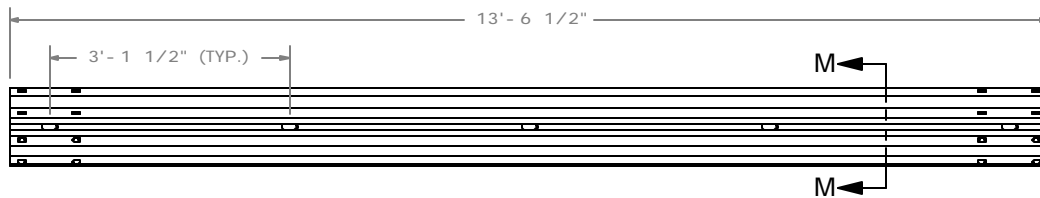
SHEET:  
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DATE:  
11/28/2005  
DRAWN BY:  
GEP  
REV. BY:  
KAP



6'-3" W- Beam Section, 12 gauge

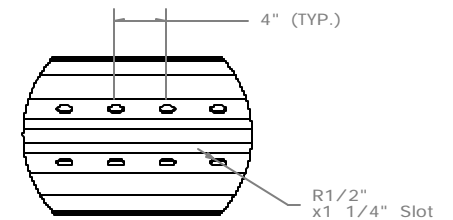


DETAIL L  
SCALE 1 : 15

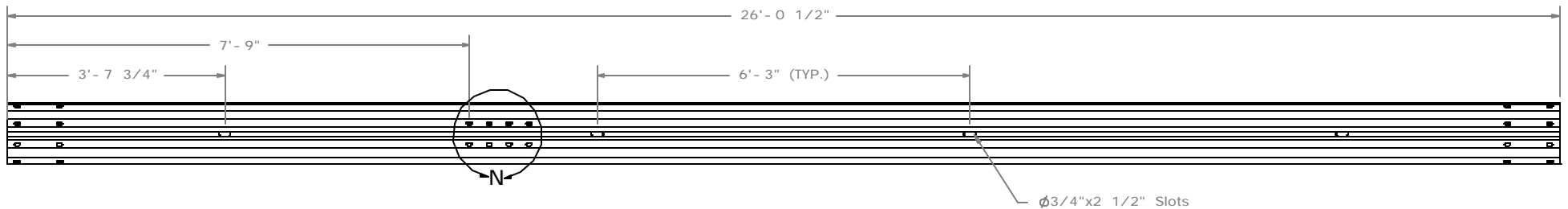


12'-6" W- Beam Section, 12 gauge,  
1/2 Post Spacing

SECTION M- M



DETAIL N  
SCALE 1 : 15



25' W- Beam Section, 12 gauge, End Section



Midwest Roadside  
Safety Facility

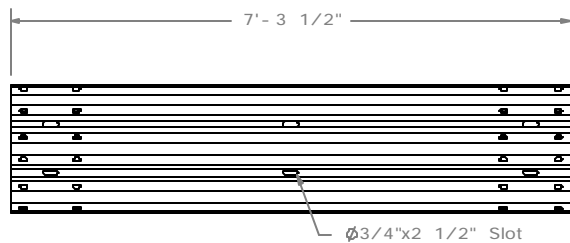
MGS MWT

Rail Section Details

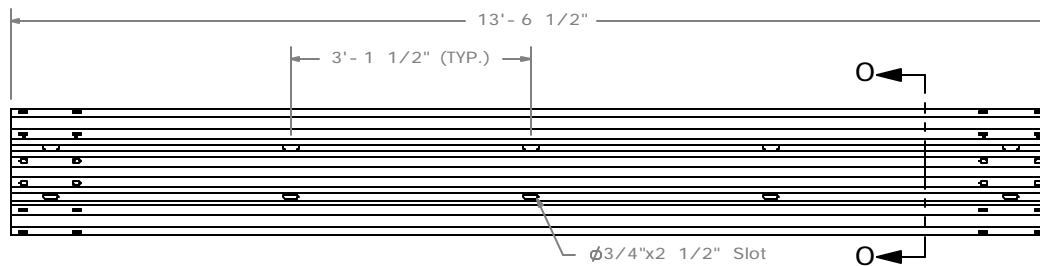
DWG. NAME.  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

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11/28/2005  
DRAWN BY:  
GEP  
REV. BY:  
KAP



6'-3" Thrie Beam Section, 12 gauge,  
1/2 Post Spacing



SECTION O-O

12'-6" Thrie Beam Section, 12 gauge,  
1/2 Post Spacing



Midwest Roadside  
Safety Facility

MGS MWT

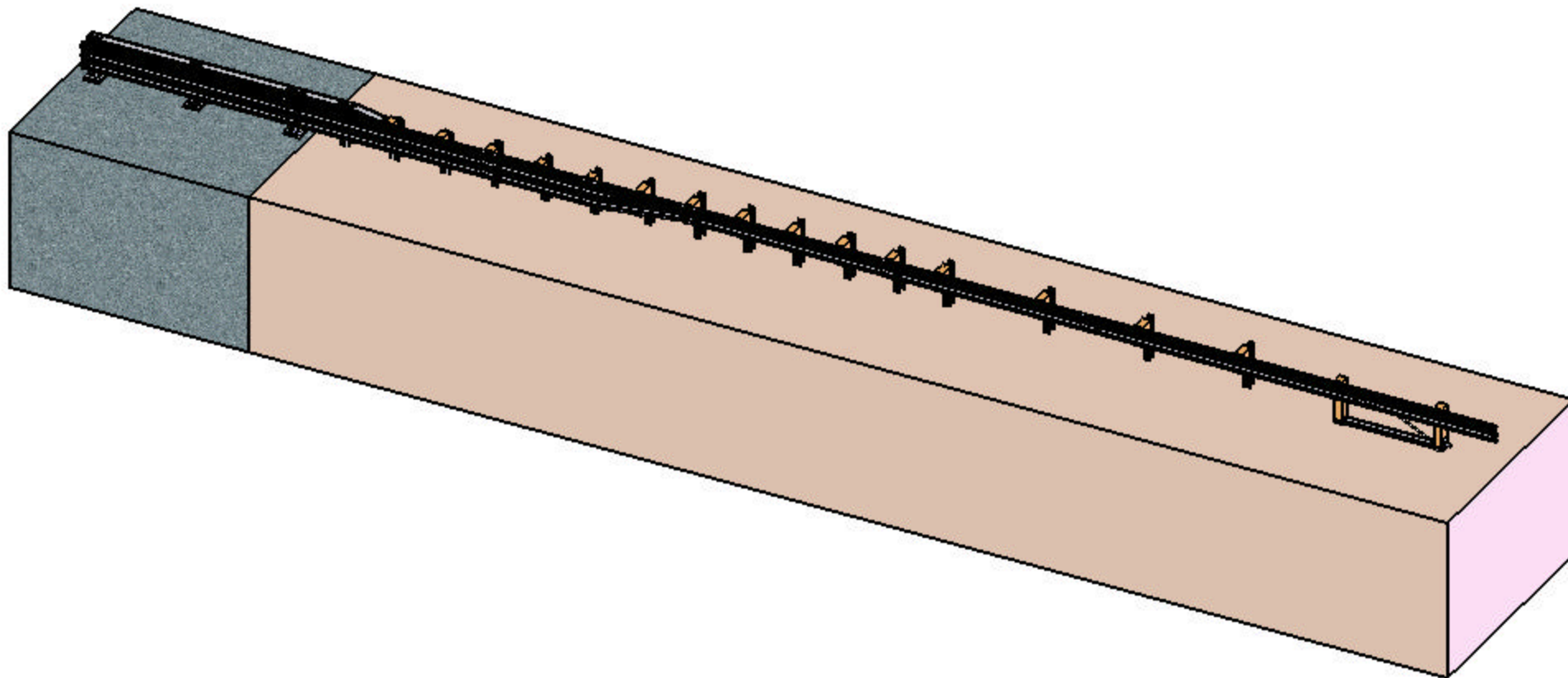
Rail Section Details

DWG. NAME:  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

SHEET:  
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DRAWN BY:  
GEP

REV. BY:  
KAP



Midwest Roadside  
Safety Facility

MGS MWT

Isometric System View

SHEET:  
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DATE:  
11/28/2005

DRAWN BY:  
GEP

DWG. NAME:  
MWT\_FD\_RO

SCALE: None  
UNITS: Inches

REV. BY:  
KAP