
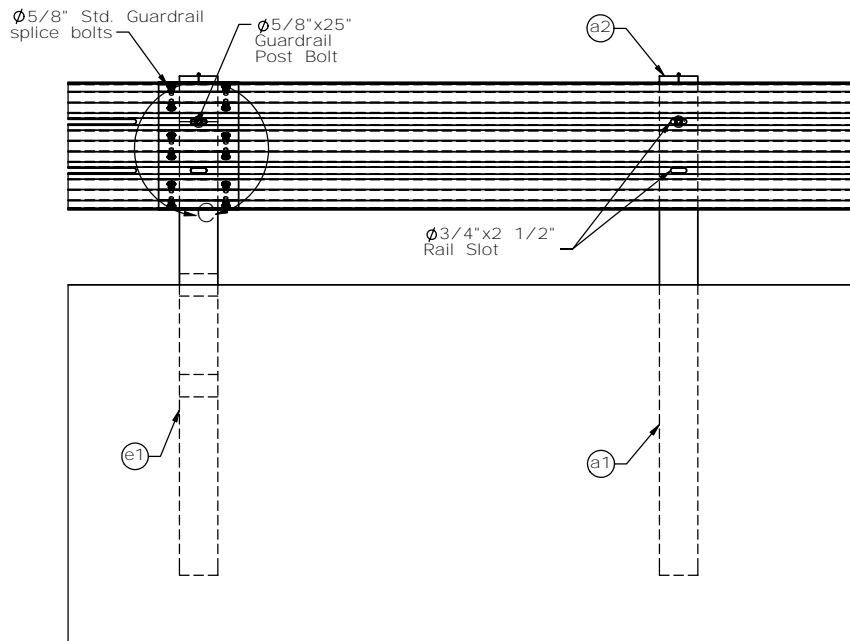
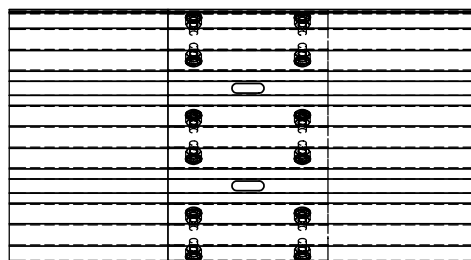


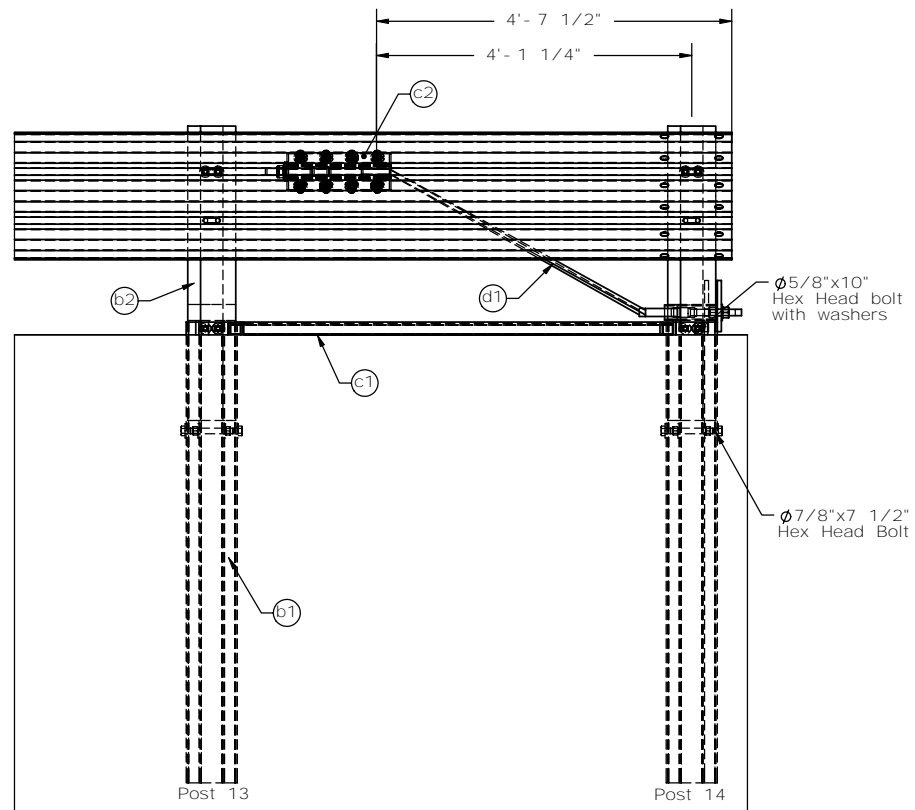
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|---|-------------------------------|--|-------------------|
|  | <b>MBN Bullnose</b>           |  | SHEET:<br>1 of 10 |
|   | System Layout                 |  | DATE:<br>6/8/2006 |
| <b>Midwest Roadside Safety Facility</b>   | DWG. NAME:<br>MBN_Bullnose_R1 |  | DRAWN BY:<br>GEP  |
|   | SCALE: None<br>UNITS: Inches  |  | REV. BY:<br>CME   |



SPLICE DETAIL



DETAIL C  
SCALE 1 : 15



END RAIL DETAIL



Midwest Roadside  
Safety Facility

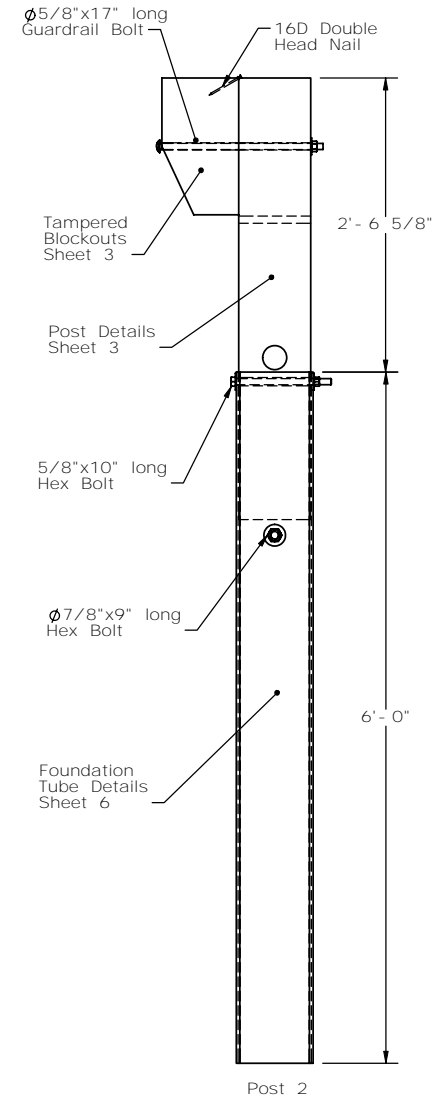
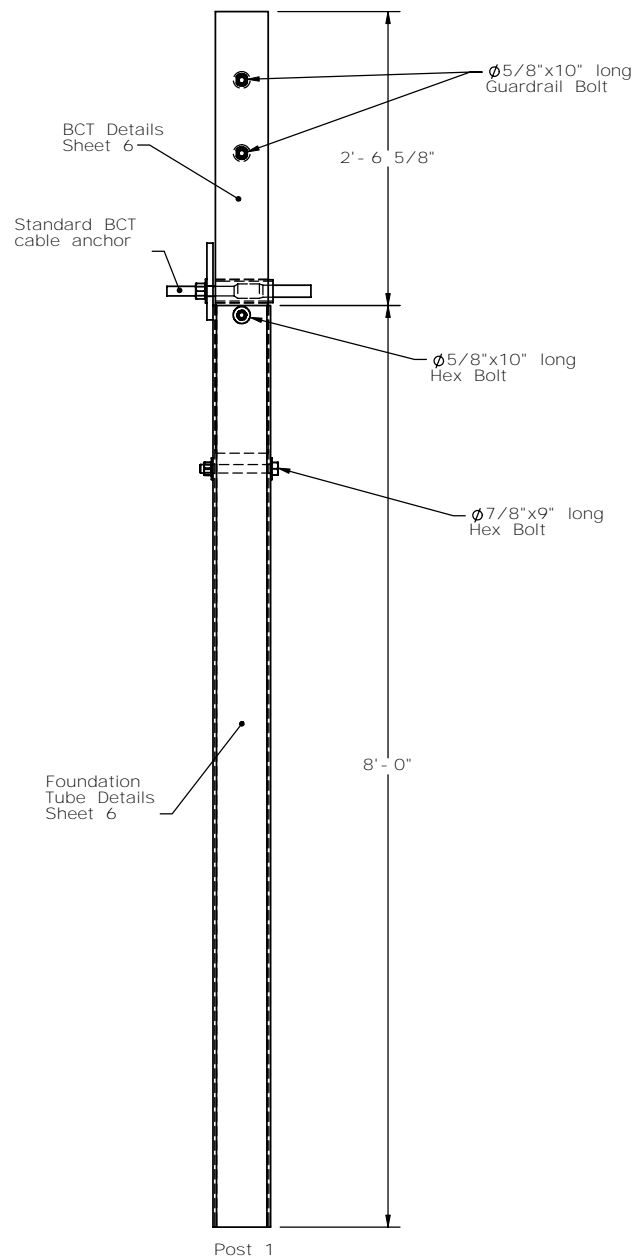
MBN Bullnose


End Rail Detail  
Splice Detail

DWG. NAME:  
MBN\_Bullnose\_R1

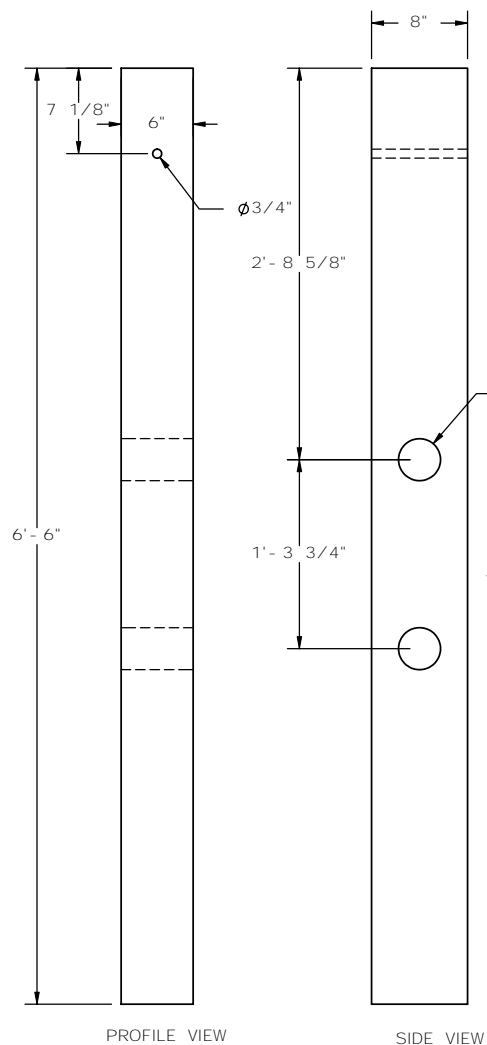
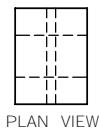
SCALE: None  
UNITS: Inches

SHEET:  
2 of 10  
DATE:  
6/8/2006  
DRAWN BY:  
GEP  
REV. BY:  
CME

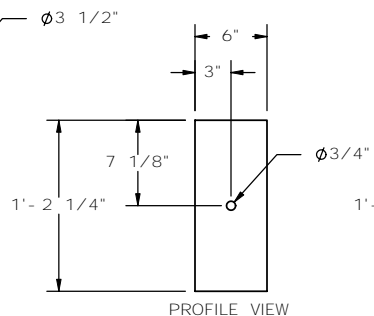
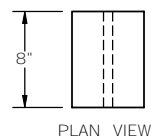


|   |                               |                              |                    |
|---|-------------------------------|------------------------------|--------------------|
|  | MBN Bullnose                  |                              | SHEET:<br>3 of 10  |
|   | Post 1 & 2 Detials            |                              | DATE:<br>6/20/2008 |
|   |                               |                              | DRAWN BY:<br>GEP   |
|   | DWG. NAME:<br>MBN_Bullnose_R1 | SCALE: None<br>UNITS: Inches | REV. BY:<br>CME    |

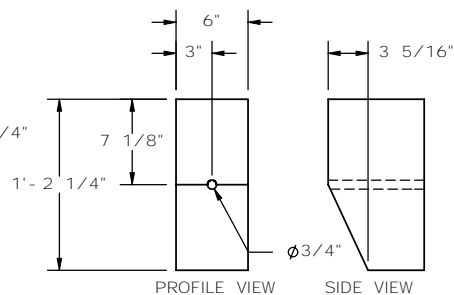
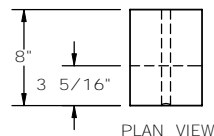
Midwest Roadside  
Safety Facility



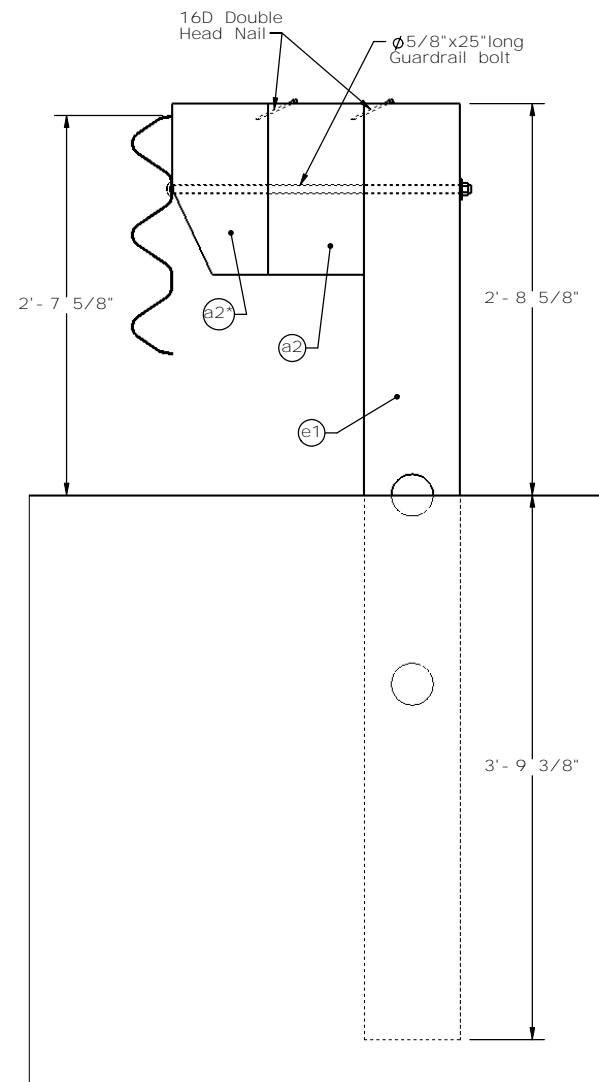
CRT Wood Post  
Part e1



Blockout  
Part a2



Tapered Blockout  
Part a2\*



SECTION B-B



Midwest Roadside  
Safety Facility

MBN Bullnose

CRT Wood Post 3- 8 Details

DWG. NAME:  
MBN\_Bullnose\_R1

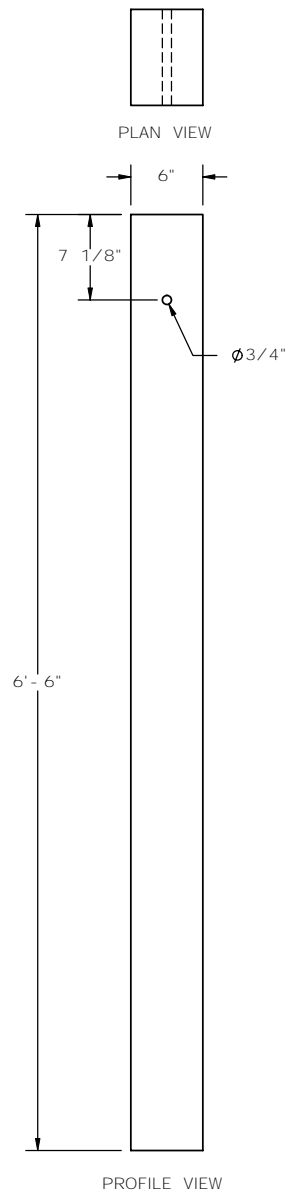
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UNITS: Inches

SHEET:  
4 of 10

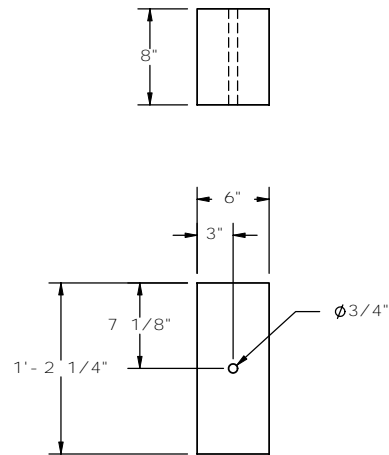
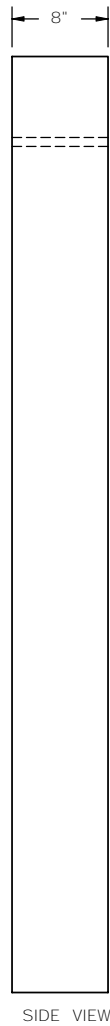
DATE:  
6/8/2006

DRAWN BY:  
GEP

REV. BY:  
CME

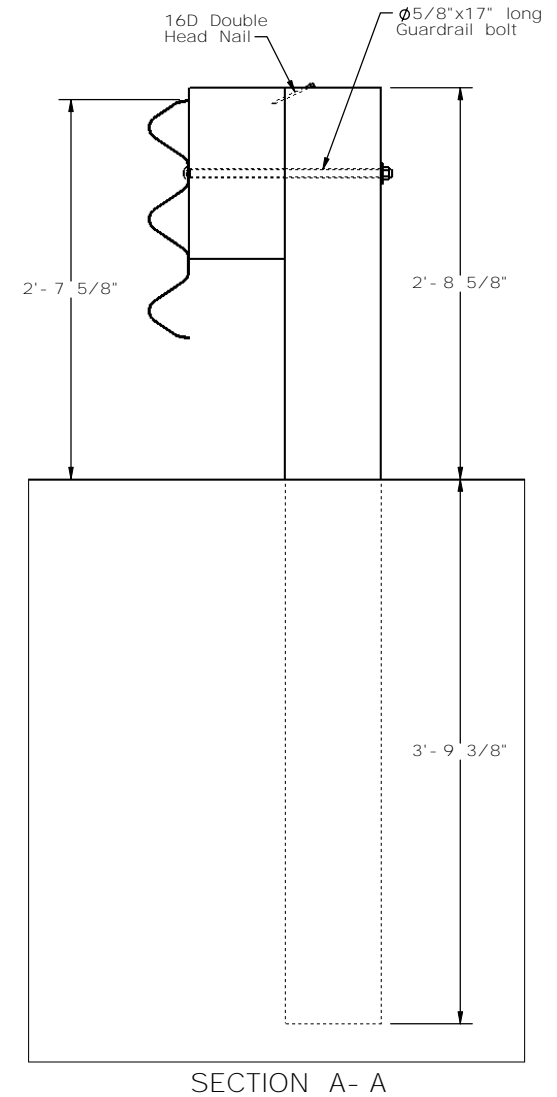


Wood Post  
Part a1



Blockout  
Part a2

NOTE: Standard Thrie Beam  
Blokouts are Acceptable



Midwest Roadside  
Safety Facility

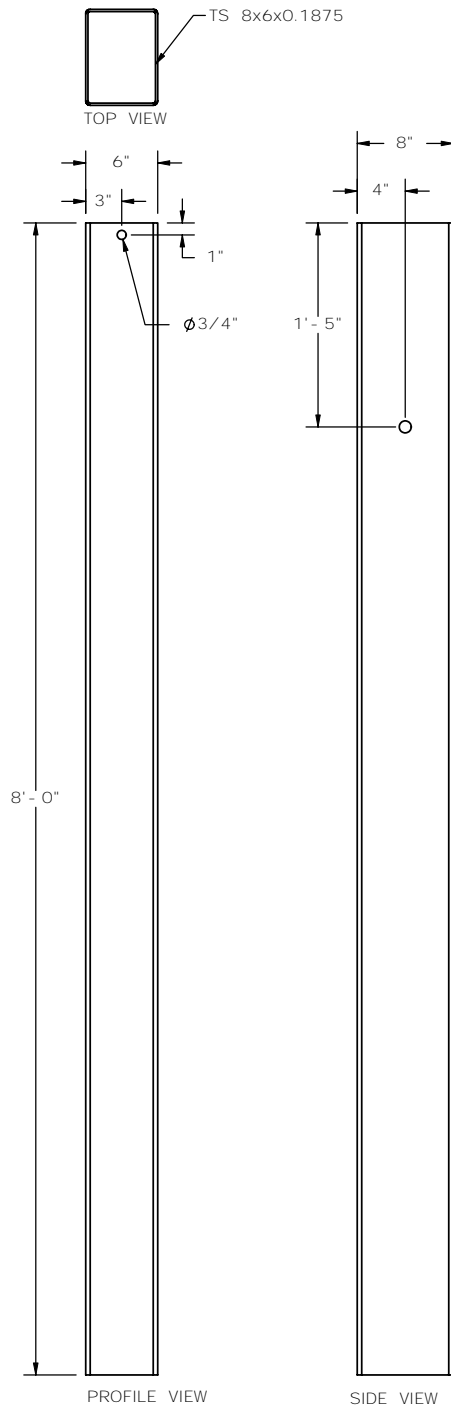
MBN Bullnose  
Wood Post 9- 12 Details

DWG. NAME:  
MBN\_Bullnose\_R1

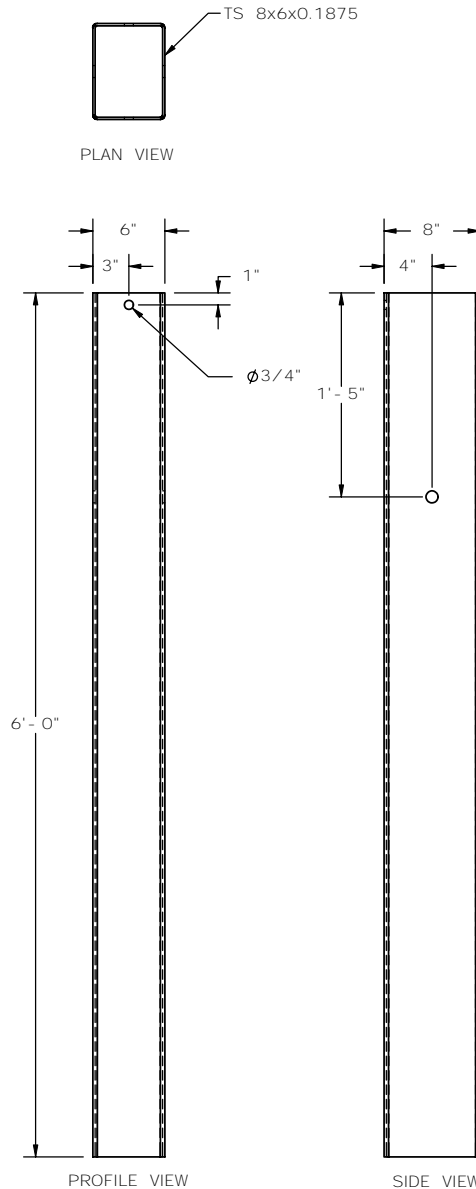
SCALE: None  
UNITS: Inches

SHEET:  
5 of 10  
DATE:  
6/8/2006  
DRAWN BY:  
GEP

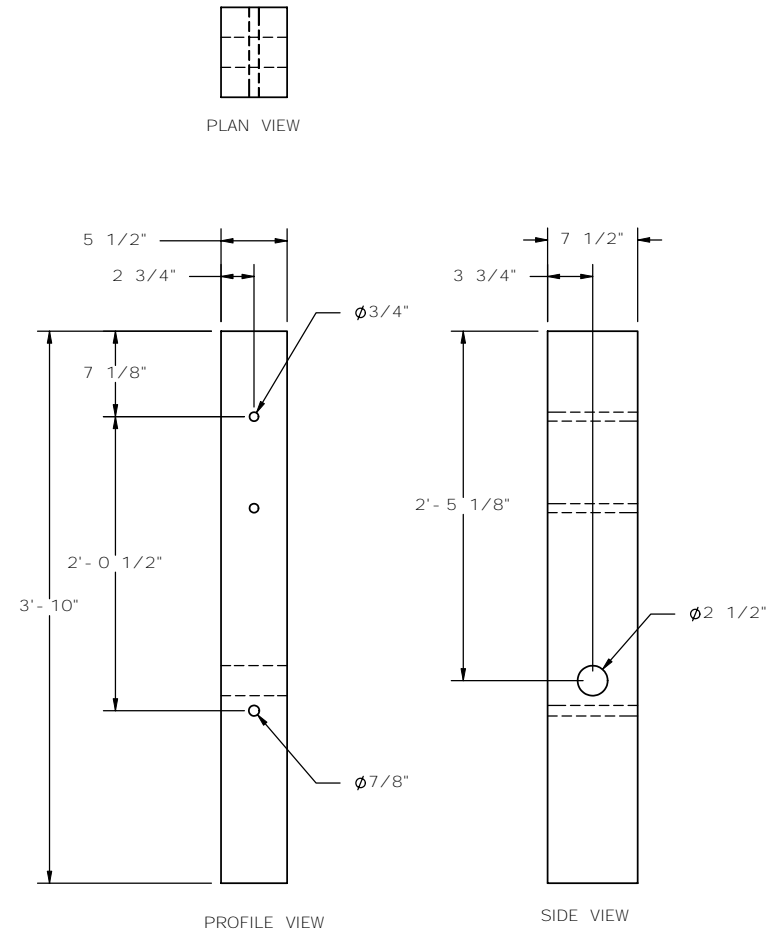
REV. BY:  
CME



8ft Foundation Tube  
Part b3



6ft Foundation Tube  
Part b1



BCT (Thrie) Timber Post  
Part b2



Midwest Roadside  
Safety Facility

MBN Bullnose

BCT Timber Posts &  
Foundation Tube Detail

DWG. NAME:  
MBN\_Bullnose\_R1

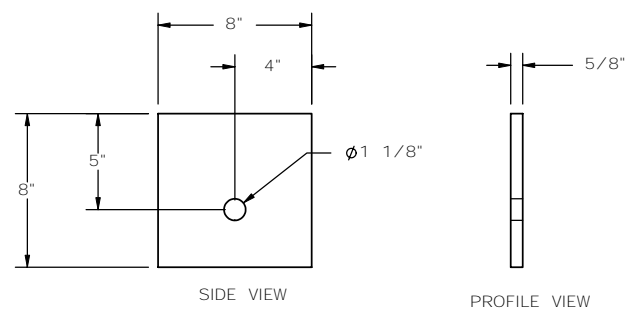
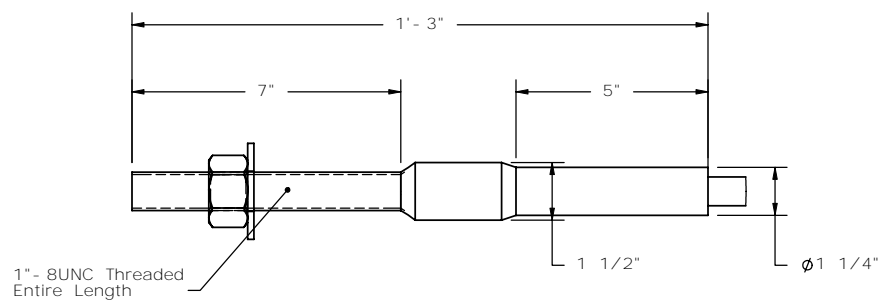
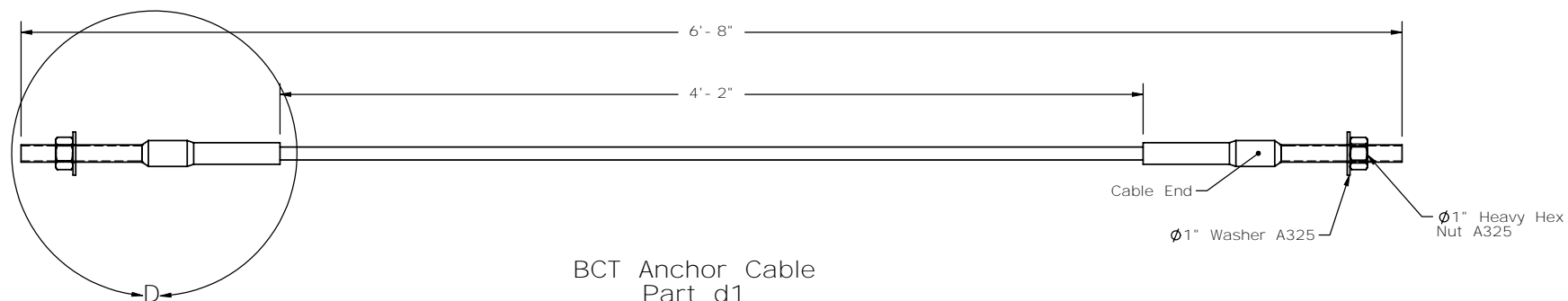
SCALE: None  
UNITS: Inches

SHEET:  
6 of 10

DATE:  
6/8/2006

DRAWN BY:  
GEP

REV. BY:  
CME



Midwest Roadside  
Safety Facility

MBN Bullnose

BCT Anchor Cable Detail

DWG. NAME:  
MBN\_Bullnose\_R1

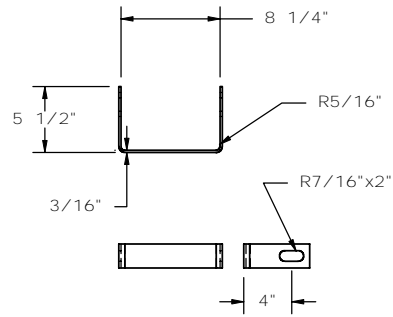
SCALE: None  
UNITS: Inches

SHEET:  
7 of 10

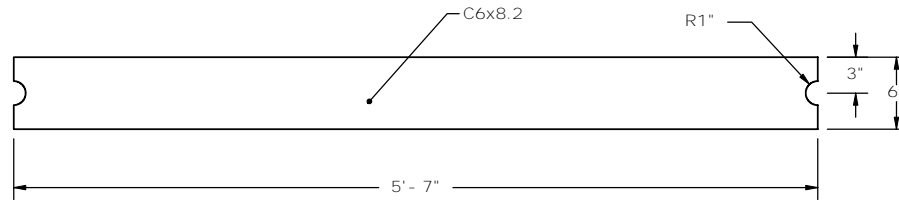
DATE:  
6/8/2006

DRAWN BY:  
GEP

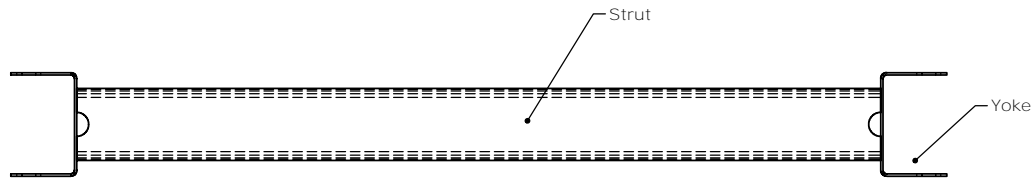
REV. BY:  
CME



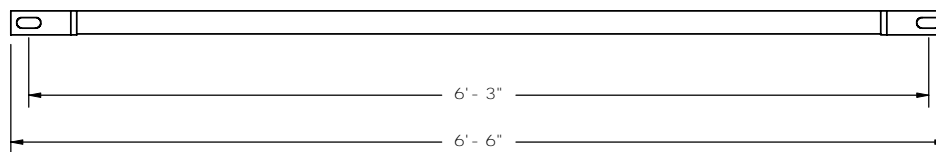
Yoke Detail



Strut Detail

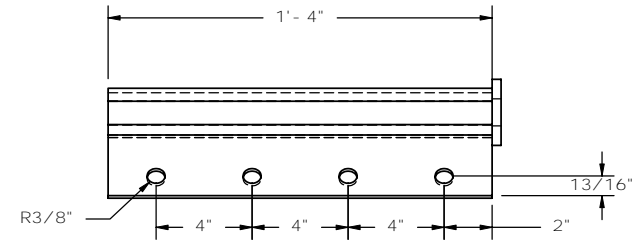


PLAN VIEW

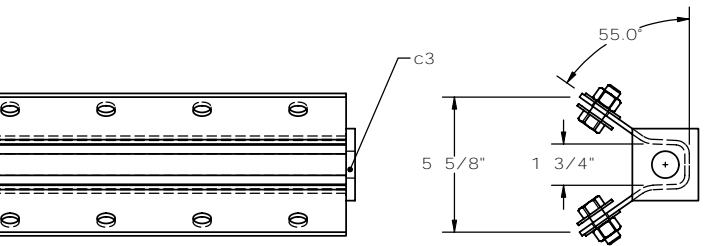


PROFILE VIEW

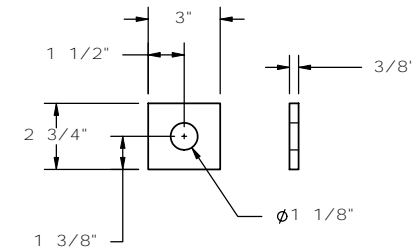
Ground Strut  
Part c1



Anchor Bracket  
Part c2



Anchor Bracket  
Bearing Plate  
Part c3



Midwest Roadside  
Safety Facility

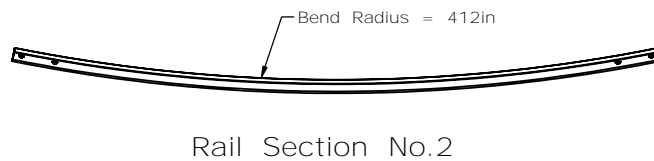
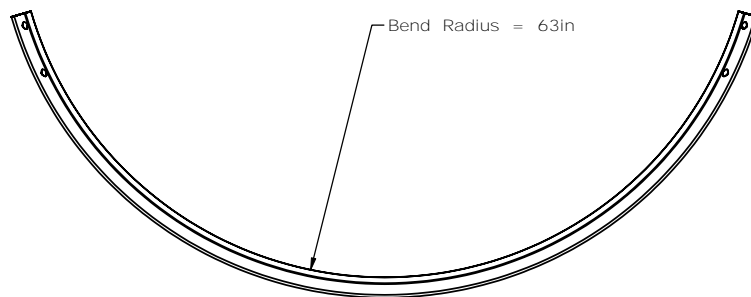
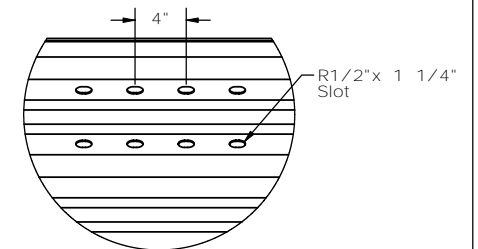
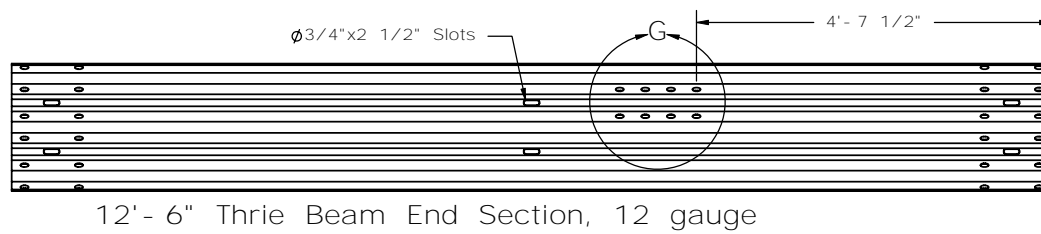
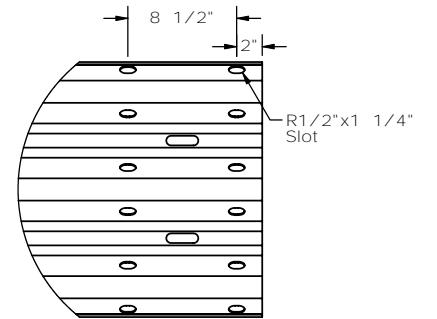
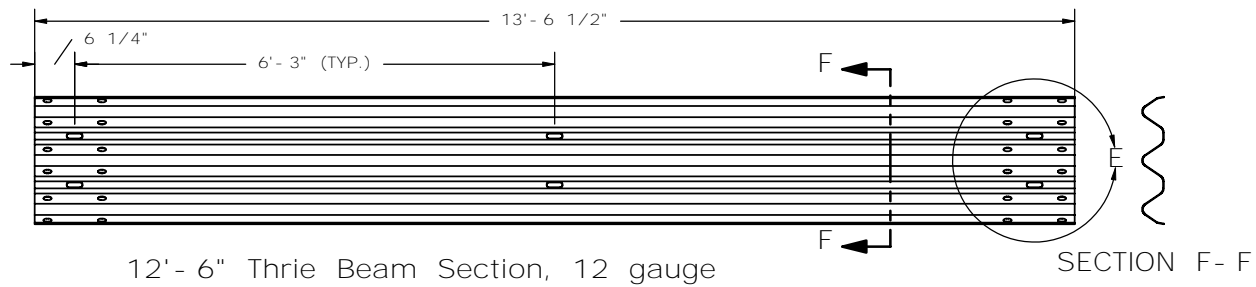
MBN Bullnose

Ground Strut & Anchor  
Bracket Details

DWG. NAME:  
MBN\_Bullnose\_R1

SCALE: None  
UNITS: Inches

SHEET:  
8 of 10  
DATE:  
6/8/2006  
DRAWN BY:  
GEP  
REV. BY:  
CME



Midwest Roadside  
Safety Facility

MBN Bullnose

Rail Section Details

Bend Radii

DWG. NAME:  
MBN\_Bullnose\_R1

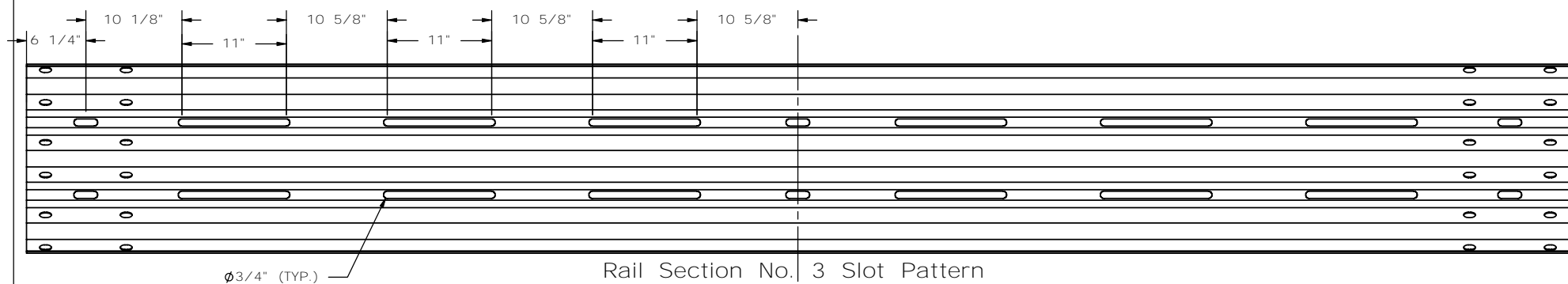
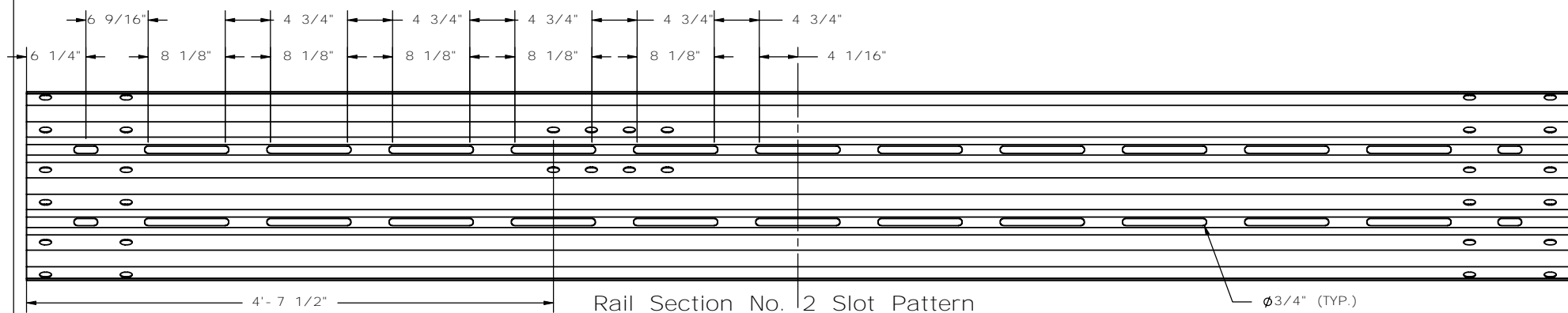
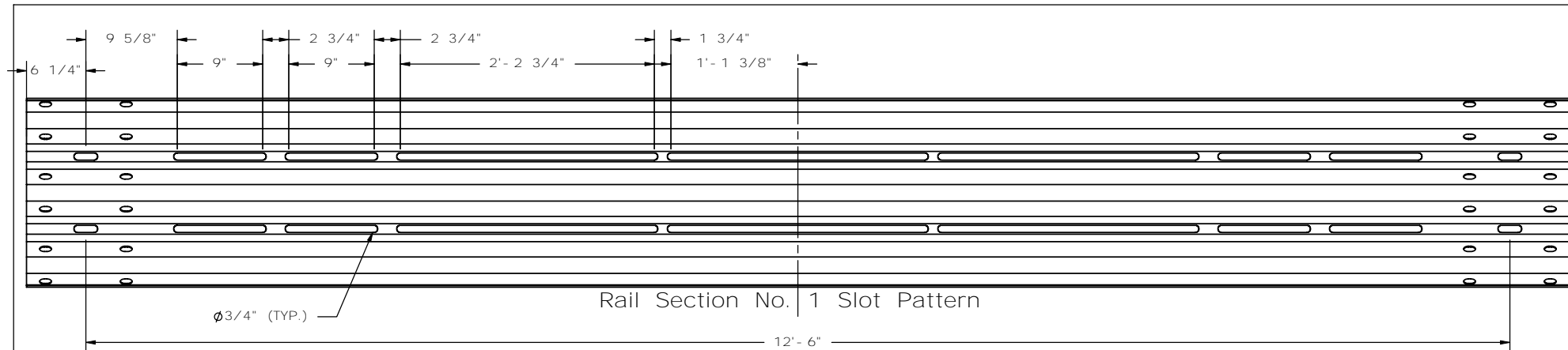
SCALE: None  
UNITS: Inches


SHEET:  
9 of 10

DATE:  
6/8/2006

DRAWN BY:  
GEP

REV. BY:  
CME



|   |                               |  |                    |
|---|-------------------------------|--|--------------------|
|  | MBN Bullnose                  |  | SHEET:<br>10 of 10 |
|   | Slot Patterns                 |  | DATE:<br>6/8/2006  |
| Midwest Roadside<br>Safety Facility   | DWG. NAME:<br>MBN_Bullnose_R1 |  | DRAWN BY:<br>GEP   |
|   | SCALE: None<br>UNITS: Inches  |  | REV. BY:<br>CME    |