

Plan View
Flare Rate 5:1


|  | Flare Rate Study ( (FRS) <br> Midwest Guardrail System  | Shect: <br> 1 of 7 |
| :--- | :--- | :--- | :--- |



|  | Flare Rate Study (FRS) Midwest Guardrail System |  | $\left.\right\|_{\substack{\text { Sheteti }}}$ |
| :---: | :---: | :---: | :---: |
| $47^{1 / 20}$ |  |  |  |
| Midwest Roadside Safety Facility | Rail Detail |  | $\begin{aligned} & \text { By: } \\ & \text { GEP/CSS } \end{aligned}$ |
|  | Drawing Name: FRS-4 R6.dwg | $\begin{aligned} & \substack{\text { sale } \\ 1=30 \\ 1} \end{aligned}$ | ${ }_{\text {KAP }}^{\text {Rev: }}$ |


| ITEM | QTY | DESCRIPTION | MATERIAL |
| :--- | :---: | :---: | :---: |
| a1 | 24 | Steel Posts | W152×13.4 |
| a2 | 24 | Blockout $152 \times 305 \times 362$ | SYP Grade 1 or better |



$$
\begin{gathered}
\text { W-BEAM SPACER } \\
\text { (Part a2) }
\end{gathered}
$$




FRONT VIEW

W-BEAM SUPPORT DETAILS


|  | Flare Rate Study (FRS) Midwest Guardrail System |  | $\left\lvert\, \begin{aligned} & \text { Sheet } \\ & 3 \text { of } 7 \end{aligned}\right.$ |
| :---: | :---: | :---: | :---: |
| 1 |  |  | Date <br> 6/14/2007 |
| Midwest Roadside Safety Facility | Post Detail |  | $\begin{array}{\|l} \hline \text { By: } \\ \text { GEP/CSS } \end{array}$ |
|  | Drawing Name: FRS-4 R6.dwg | $\begin{aligned} & \text { Scale: } \\ & 1=16 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { Rev: } \\ \text { KAP } \end{array}$ |


| TEM | QTY | DESCRIPTION | MATERIAL |
| :---: | :---: | :--- | :--- |
| b1 | 2 | Foundation Tubes | PTE05 |
| b2 | 2 | BCT Timber Post | PDF01 |

FOUNDATION TUBE
(Part b1)


BCT TIMBER POST
(Part b2)
TOP VIEW


|  | Flare Rate Study (FRS) Midwest Guardrail System |  | $\begin{array}{\|l\|l} \text { Sheeti } \\ 4 \text { of } 7 \end{array}$ |
| :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Date: } \\ & 6 / 14 / 2007 \end{aligned}$ |
| Midwest Roadside Safety Facility | BCT Post \& Tube Detail |  | $\begin{aligned} & \text { By: } \\ & \text { GEP/CSS } \end{aligned}$ |
|  | $\begin{array}{\|l} \hline \text { Drawing Name: } \\ \text { FRS-4 R6.dwg } \\ \hline \end{array}$ | $\begin{array}{\|l} \hline \text { Scale: } \\ 1=16 \end{array}$ | $\begin{array}{\|l} \text { Rev: } \\ \text { KAP } \end{array}$ |


| c1 | 2 | Cable Strut | PFPO1 |
| :---: | :---: | :--- | :--- |
| $c 2$ | 2 | Anchor |  |

Yoke Details


Anchor Bracket (Part c2)

Strut Details


Cable Strut
(Part c1)

|  | Flare Rate Study (FRS) Midwest Guardrail System <br> Cable Strut \& Anchor Bracket |  | $\left\lvert\, \begin{aligned} & \text { Shect: } \\ & 5 \text { of } 7 \end{aligned}\right.$ |
| :---: | :---: | :---: | :---: |
|  |  |  | $\left\lvert\, \begin{aligned} & \mid 14 / 2007 \\ & 6 \end{aligned}\right.$ |
| Midwest Roadside Safety Facility |  |  | $\begin{aligned} & \mathrm{By} \\ & \mathrm{GEP} / \mathrm{CSS} \end{aligned}$ |
|  | Drawing Name: <br> FRS-4 R6.dwg | Scale: | Rev: KAP |



|  | Flare Rate Study (FRS) Midwest Guardrail System <br> BCT Anchor Cable Detail |  | $\left\lvert\, \begin{aligned} & \text { Shect: } \\ & 6 \text { of } 7 \end{aligned}\right.$ |
| :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Date: } \\ & \text { 6/14/2007 } \end{aligned}$ |
| Midwest Roadside Safety Facility |  |  | $\begin{aligned} & \text { By: } \\ & \text { GEP/CSS } \end{aligned}$ |
|  | $\begin{aligned} & \hline \text { Drawing Name: } \\ & \text { FRS-4 R6.dwg } \end{aligned}$ | $\begin{array}{\|} \text { Scale: } \\ 1=10 \end{array}$ | $\begin{aligned} & \text { Rev: } \\ & \text { KAP } \end{aligned}$ |



|  | Flare Rate Study (FRS) Midwest Guardrail System <br> 6'-3" Rail Section Bend Detail |  | $\begin{aligned} & \text { Sheet: } \\ & 7 \text { of } 7 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Date: } \\ & 6 / 14 / 2007 \end{aligned}$ |
| Midwest Roadside Safety Facility |  |  | $\begin{aligned} & \text { By: } \\ & \text { GEP/CSS } \end{aligned}$ |
|  | Drawing Name: <br> FRS-4 R6.dwg | $\begin{aligned} & \text { Scale: } \\ & 1=10 \end{aligned}$ | $\begin{aligned} & \text { Rev: } \\ & \text { KAP } \end{aligned}$ |

