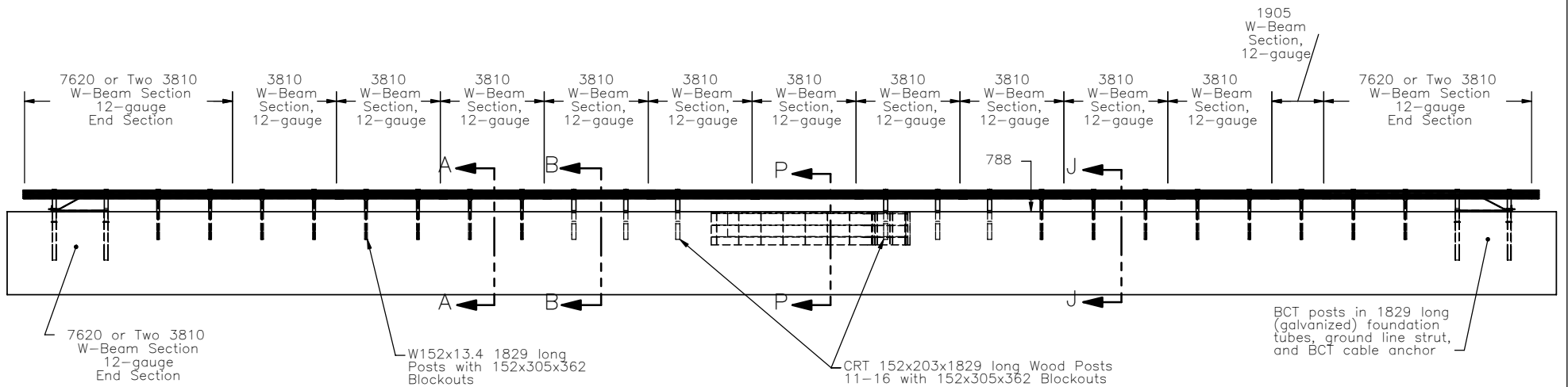
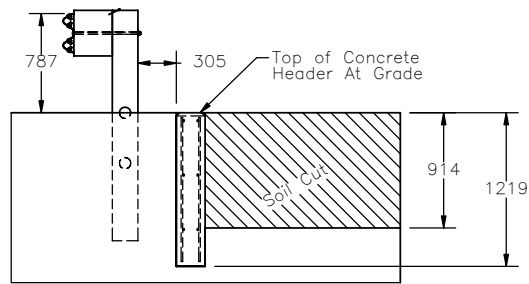


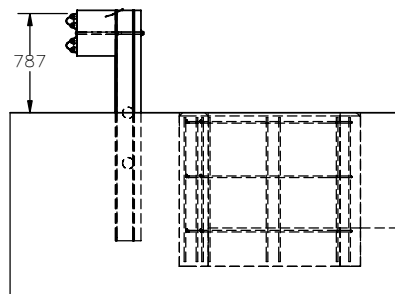
PLAN VIEW



PROFILE VIEW



SECTION P-P



SECTION J-J



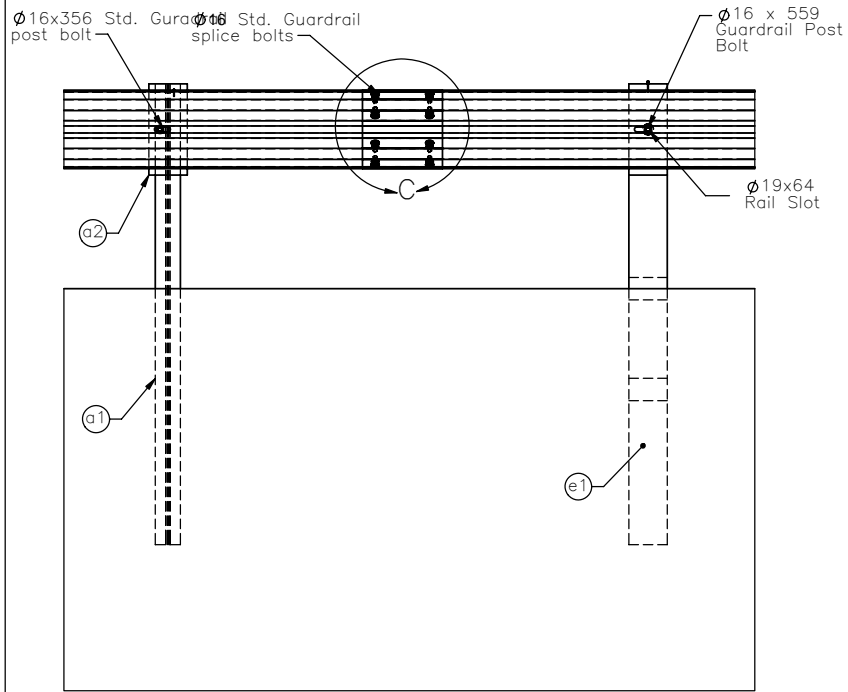
Midwest Roadside
Safety Facility

MGS Long Span
System Layout

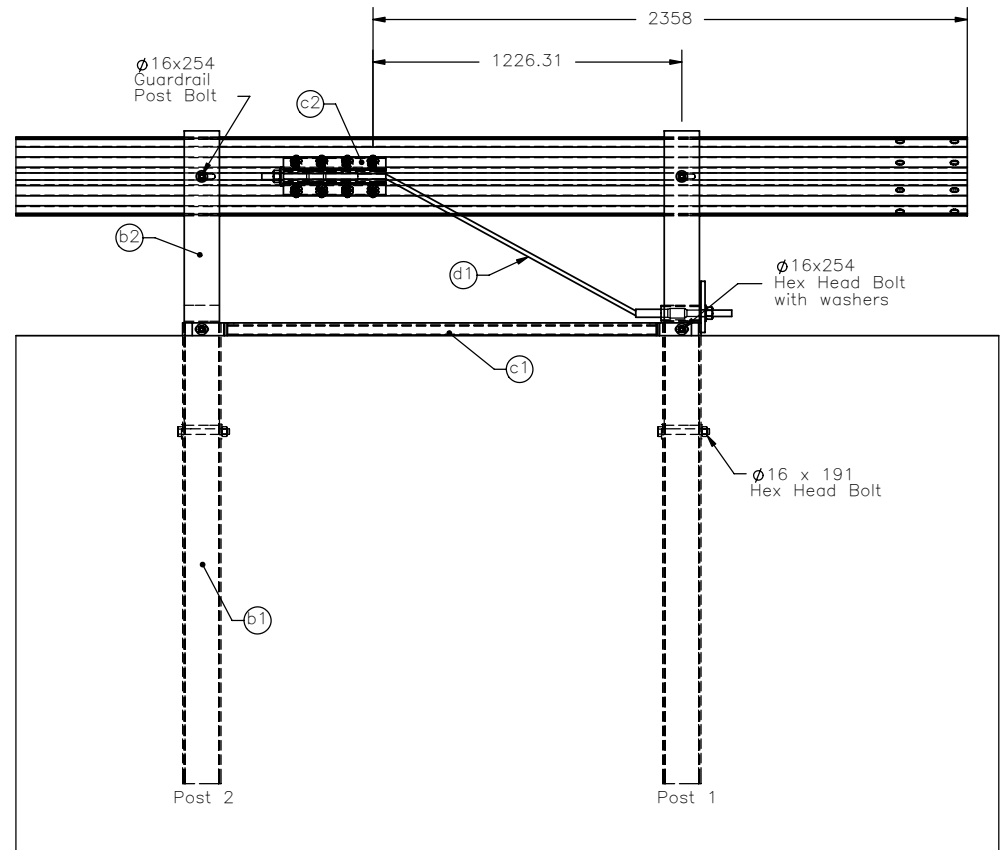
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MGS_Longspan_R6_metric

SCALE: None
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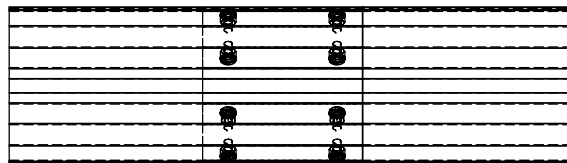
SHEET:
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DATE:
02/21/2006
DRAWN BY:
GEP
REV. BY:
KAP/RKF



SPLICE DETAIL



END RAIL DETAIL



DETAIL C
SCALE 1 : 15



Midwest Roadside
Safety Facility

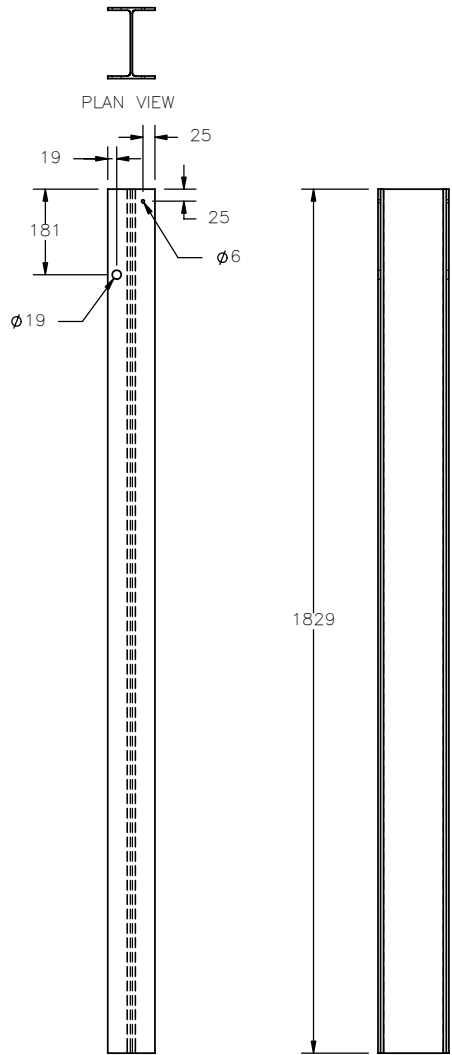
MGS Long Span

End Rail Detail
Splice Detail

DWG. NAME.
MGS_Longspan_R6_metric

SCALE: None
UNITS: mm.

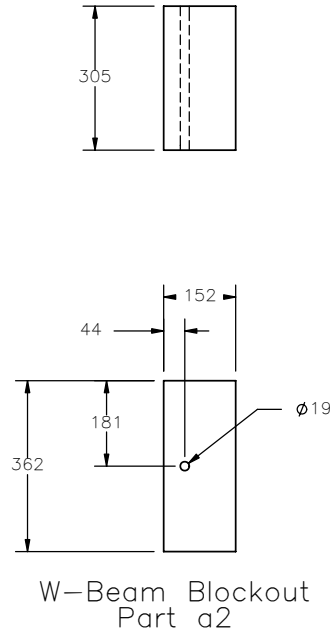
SHEET:
2 of 10
DATE:
02/21/2006
DRAWN BY:
GEP
REV. BY:
KAP/RKF



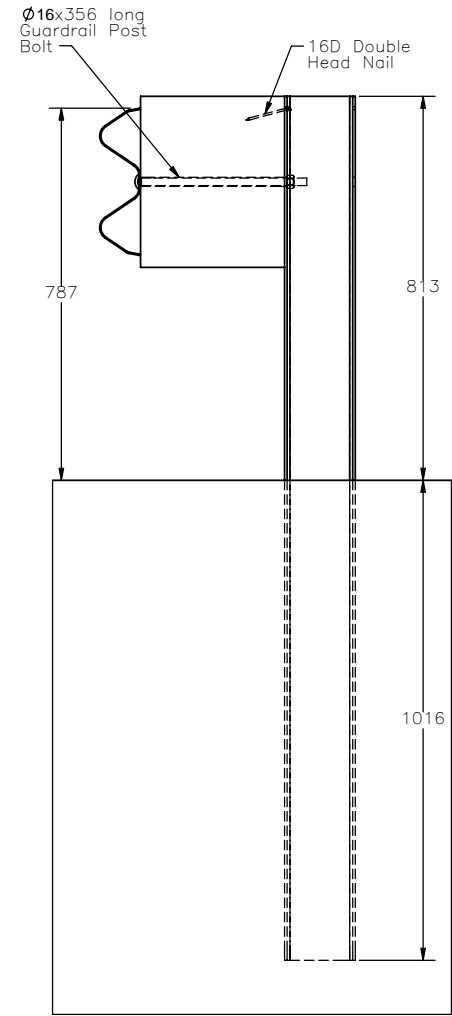
PROFILE VIEW

SIDE VIEW

W152x13.4-Beam Post
Part a1



W-Beam Blockout
Part a2



SECTION A-A



Midwest Roadside
Safety Facility

MGS Long Span

Post 3-10 &
17-24 Detail
W152x13.4 Posts

SHEET:
3 of 10

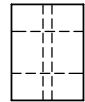
DATE:
02/21/2006

DRAWN BY:
GEP

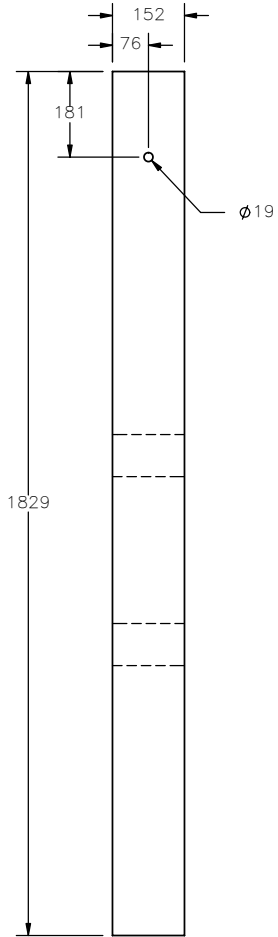
REV. BY:
KAP/RKF

DWG. NAME:
MGS_Longspan_R6_metric

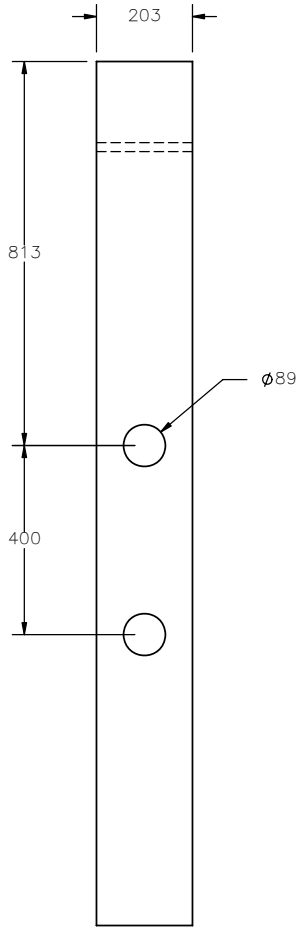
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PLAN VIEW

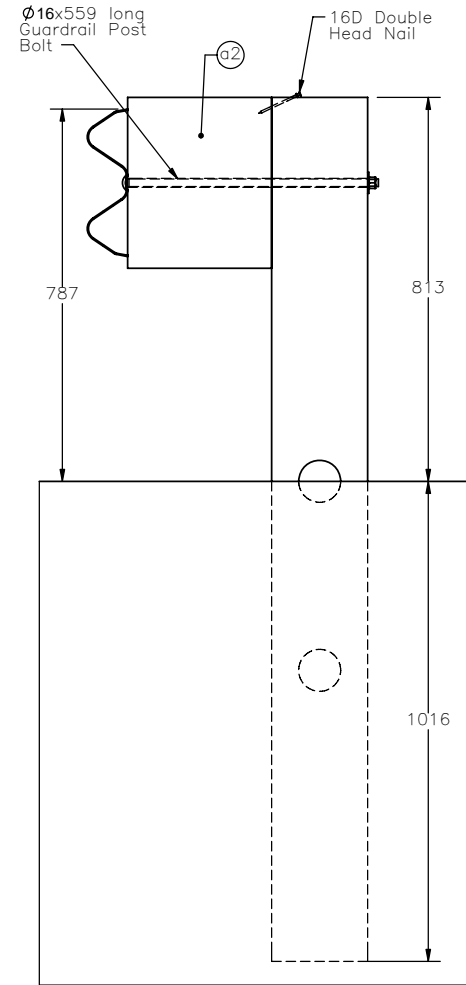


PROFILE VIEW



SIDE VIEW

CRT Wood Post
Part e1



SECTION B-B



Midwest Roadside
Safety Facility

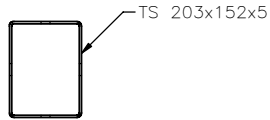
MGS Long Span

Post 11-16 Detail
CRT Wood Posts

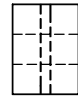
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SCALE: None
UNITS: mm.

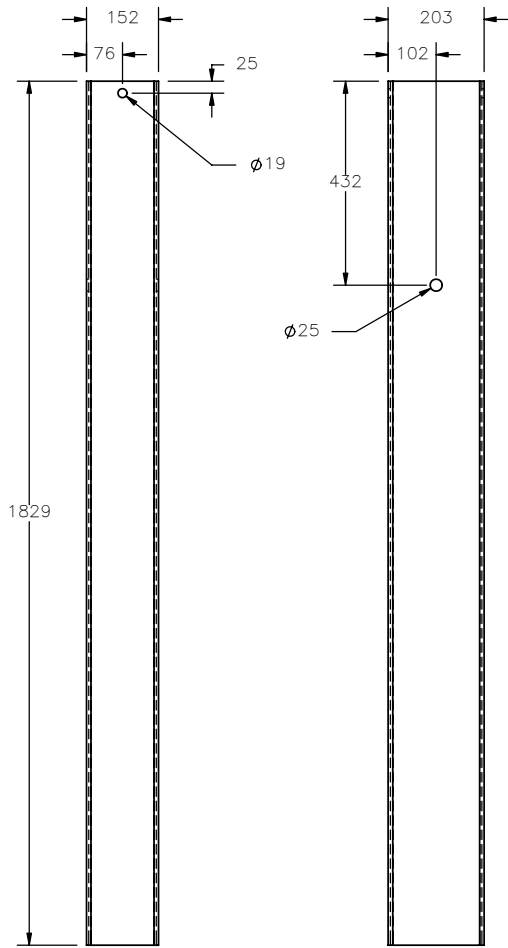
SHEET:
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DATE:
02/21/2006
DRAWN BY:
GEP
REV. BY:
KAP/RKF



PLAN VIEW



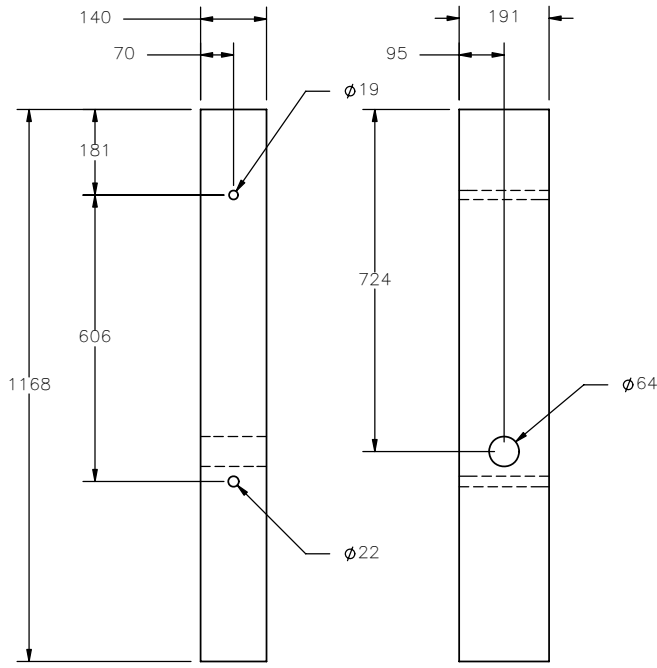
PLAN VIEW



PROFILE VIEW

SIDE VIEW

Foundation Tube
Part b1



PROFILE VIEW

SIDE VIEW

BCT (MGS) Timber Post
Part b2



Midwest Roadside
Safety Facility

MGS Long Span

BCT Timber Posts &
Foundation Tube Detail

SHEET:
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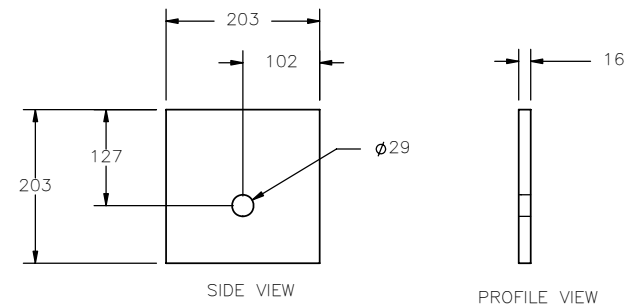
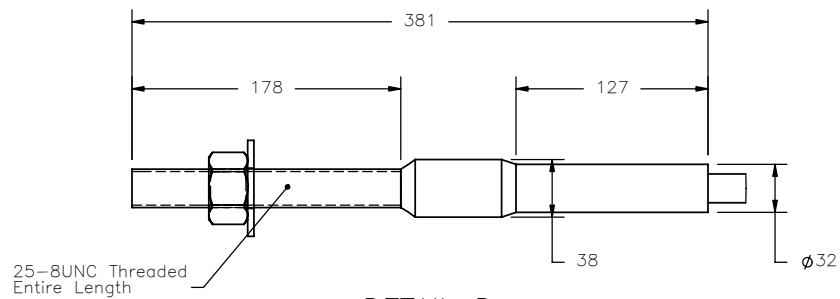
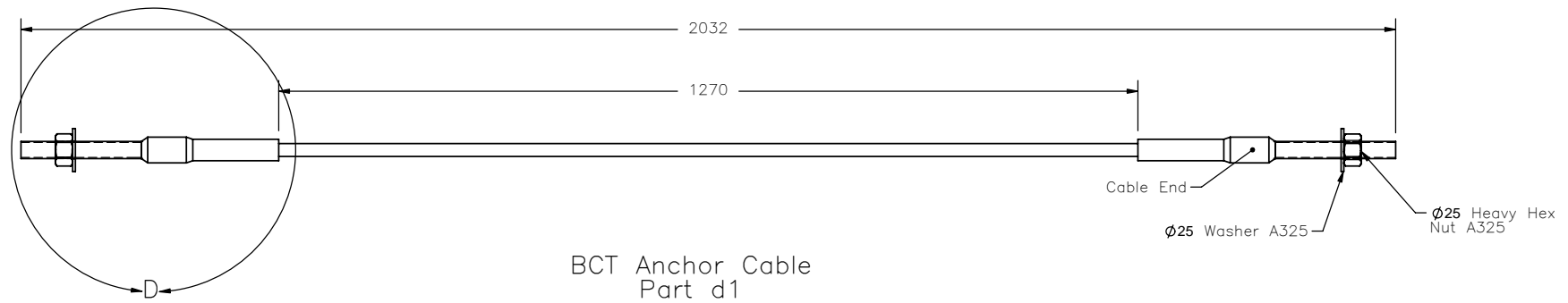
DATE:
02/21/2006

DRAWN BY:
GEP

DWG. NAME:
MGS_Longspan_R6_metric

SCALE: None
UNITS: mm.

REV. BY:
KAP/RKF



Midwest Roadside
Safety Facility

MGS Long Span

BCT Anchor Cable Detail

SHEET:
6 of 10

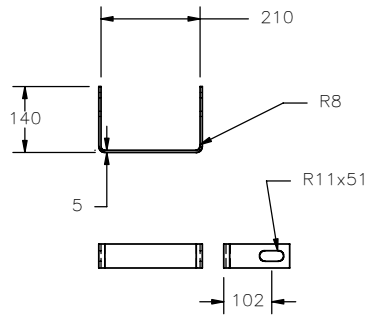
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02/21/2006

DRAWN BY:
GEP

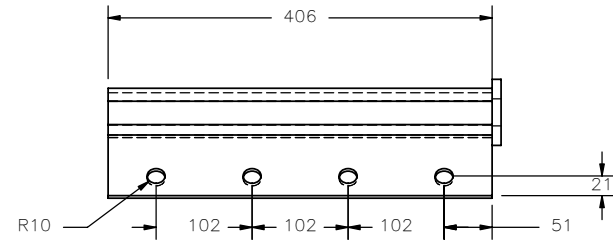
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SCALE: None
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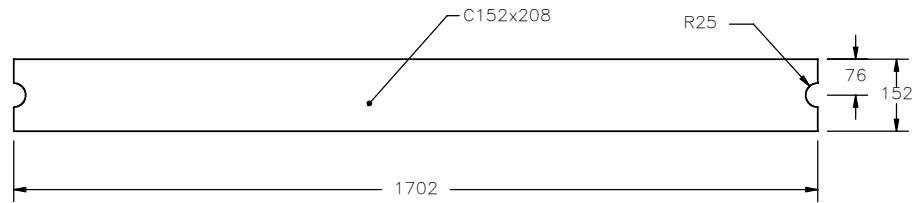
REV. BY:
KAP/RKF



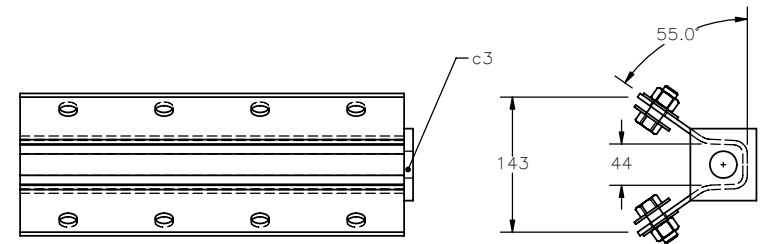
Yoke Detail



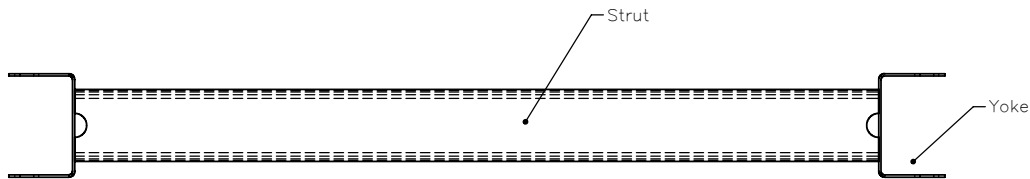
Anchor Bracket
Part c2



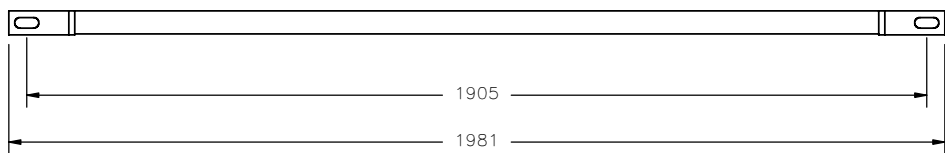
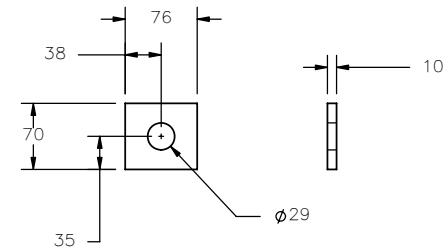
Strut Detail



Anchor Bracket
Bearing Plate
Part c3



PLAN VIEW



PROFILE VIEW

Ground Strut
Part c1



Midwest Roadside
Safety Facility

MGS Long Span

Ground Strut & Anchor
Bracket Details

SHEET:
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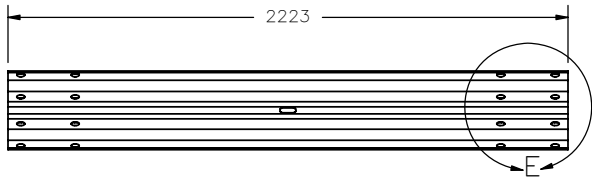
DATE:
02/21/2006

DRAWN BY:
GEP

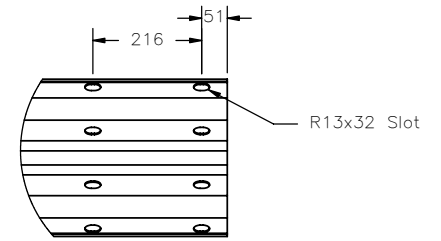
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SCALE: None
UNITS: mm.

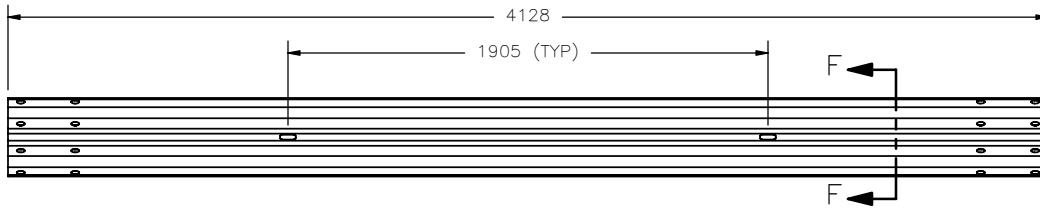
REV. BY:
KAP/RKF



1905 W-Beam Section, 12 gauge



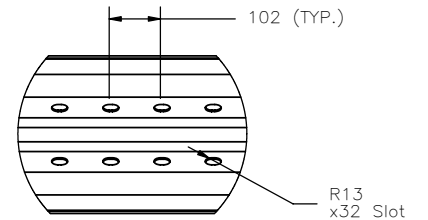
DETAIL E
SCALE 1 : 15



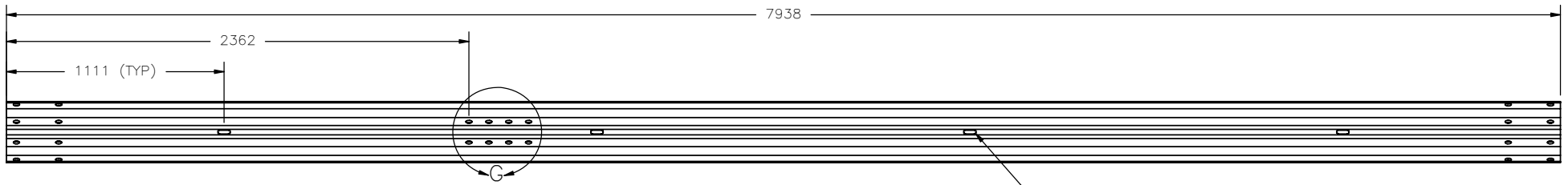
3810 W-Beam Section, 12 gauge



SECTION F-F



DETAIL G
SCALE 1 : 15



7620 W-Beam Section, 12 gauge, End Section



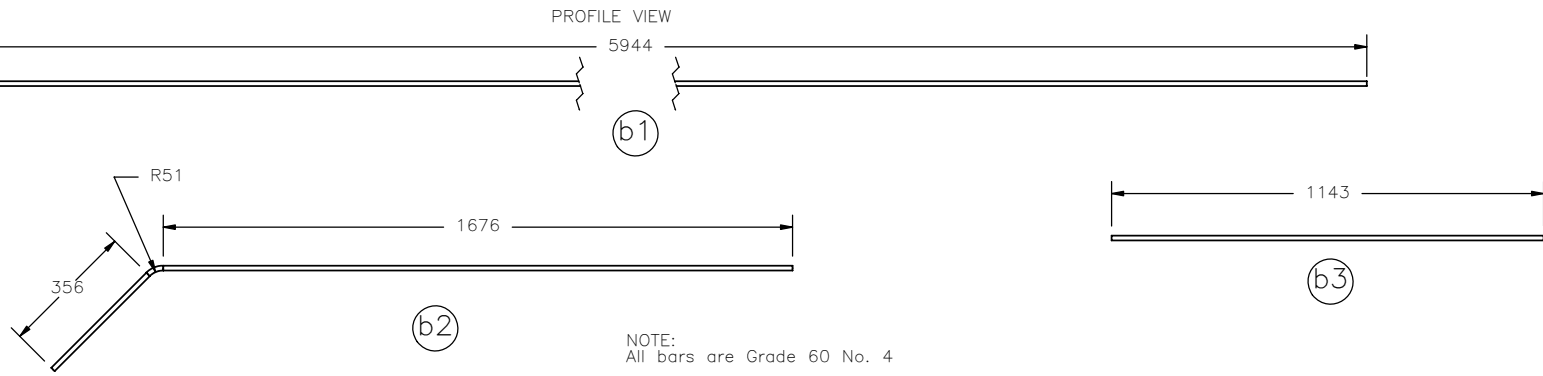
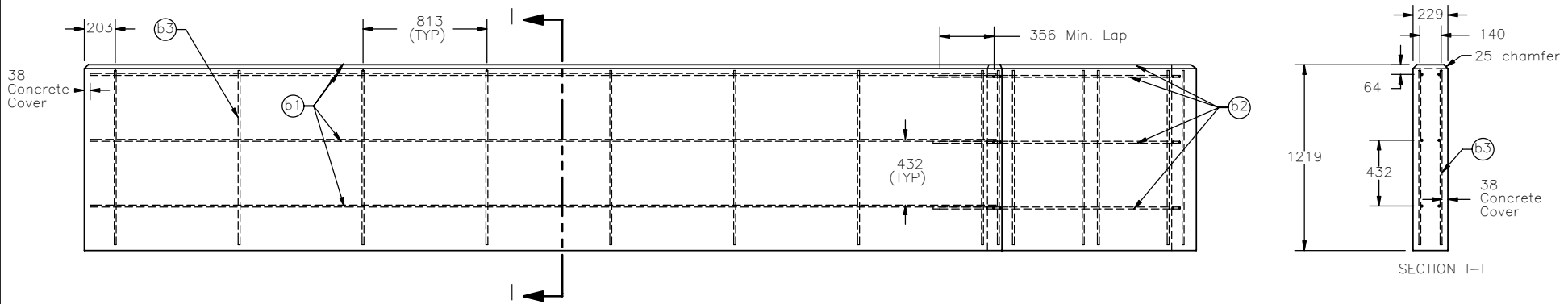
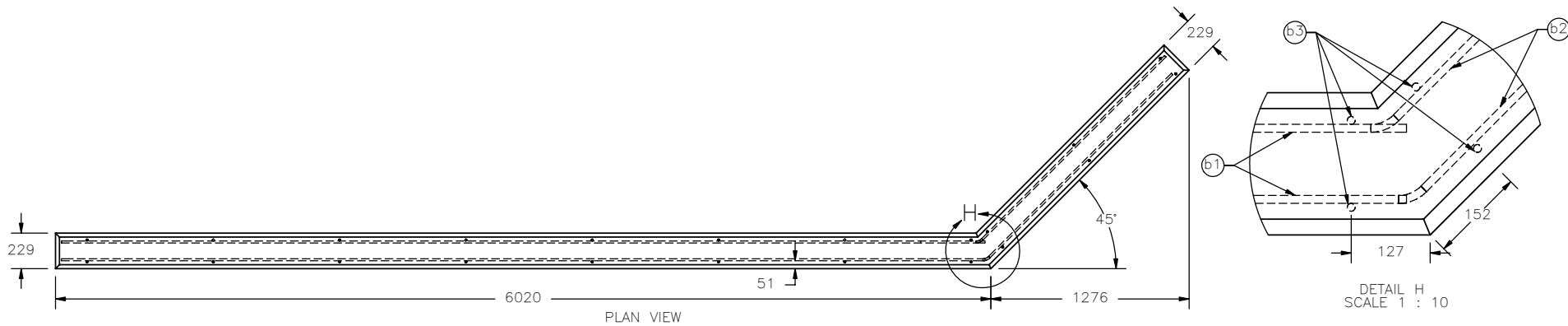
Midwest Roadside
Safety Facility

MGS Long Span
Rail Section Details

DWG. NAME.
MGS_Longspan_R6_metric

SCALE: None
UNITS: mm.

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DATE:
02/21/2006
DRAWN BY:
GEP
REV. BY:
KAP/RKF



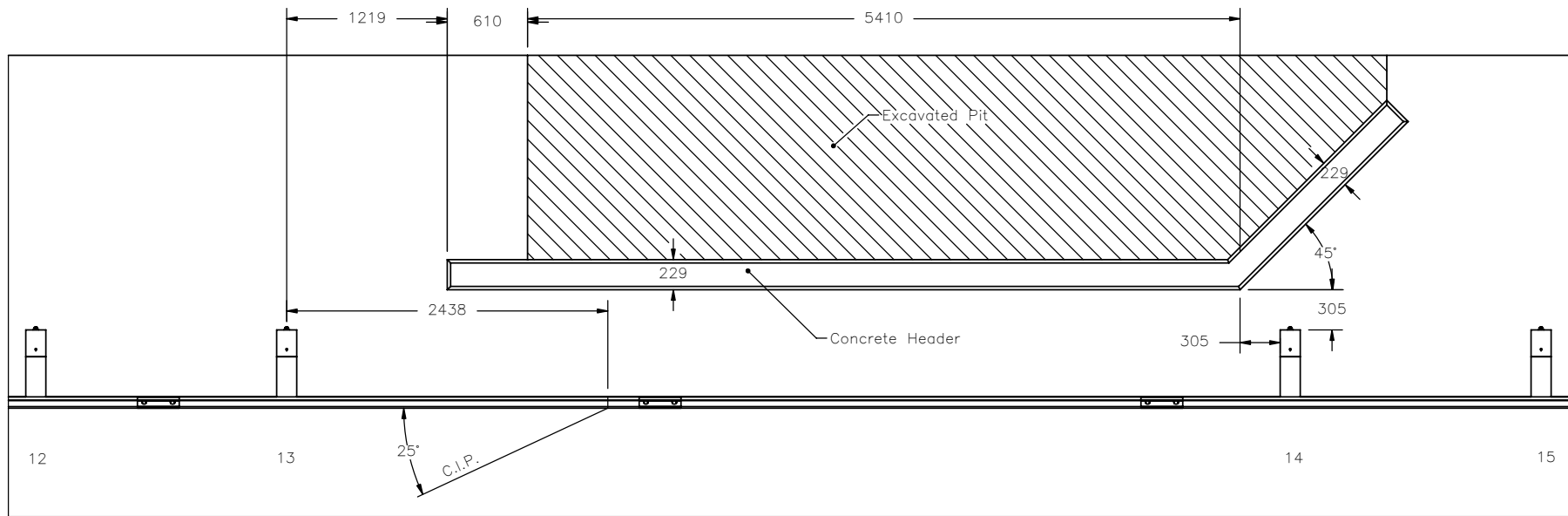
NOTE:
All bars are Grade 60 No. 4

Bill of Bars			
Item No.	QTY.	Description	Material Specification
-	1	Concrete Header	$f'c=27579$ MPa
b1	6	#4 Bar - Longitudinal - 5944 long	Grade 60 Steel
b2	6	#4 Bar - Bent Longitudinal - 2032 long	Grade 60 Steel
b3	22	#4 Bar - Transverse - 1143 long	Grade 60 Steel



Midwest Roadside
Safety Facility

MGS Long Span		SHEET: 9 of 10
Concrete Header Details		DATE: 02/21/2006
		DRAWN BY: GEP
DWG. NAME: MGS_Longspan_R6_metric	SCALE: None UNITS: mm.	REV. BY: KAP/RKF



PLAN VIEW



Midwest Roadside
Safety Facility

MGS Long Span
Soil Cut Details

DWG. NAME.
MGS_Longspan_R6_metric

SCALE: None
UNITS: mm.

SHEET:
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DATE:
02/21/2006
DRAWN BY:
GEP
REV. BY:
KAP/RKF