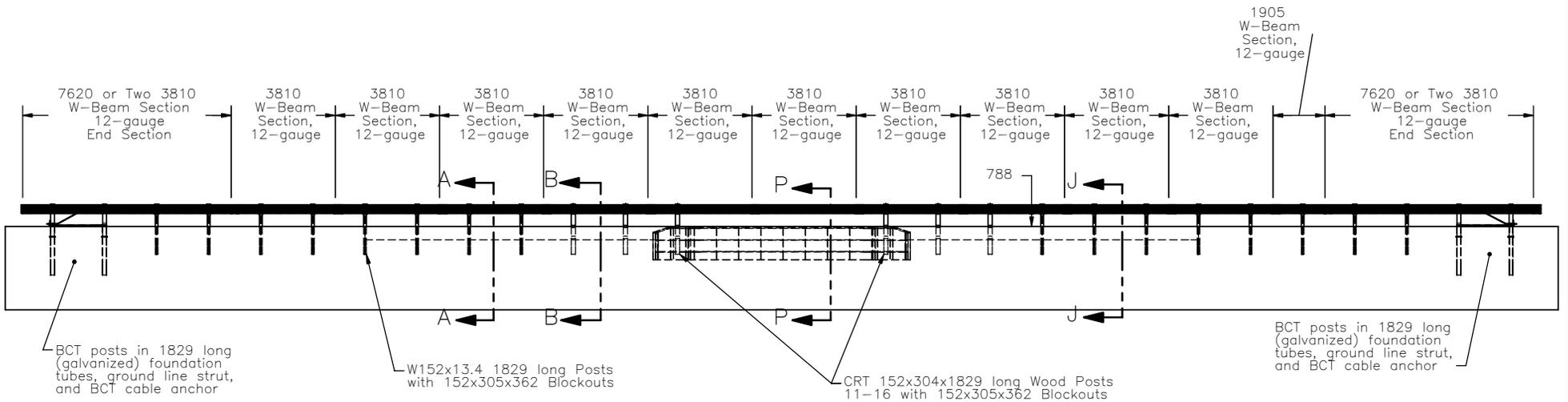
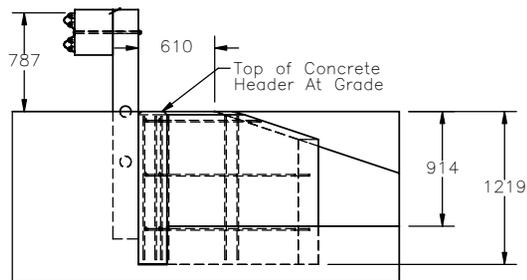


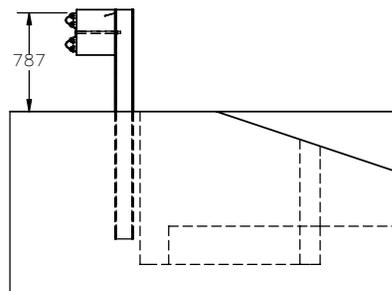
PLAN VIEW



PROFILE VIEW



SECTION P-P



SECTION J-J



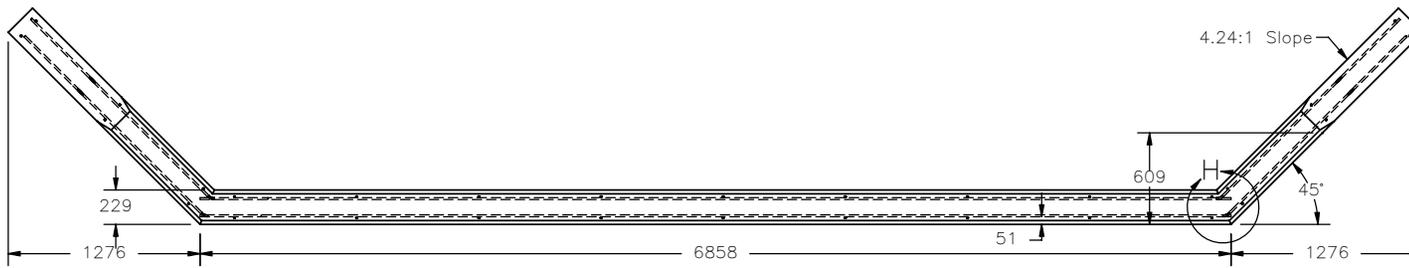
Midwest Roadside
Safety Facility

MGS Long Span LSC-2
System Layout

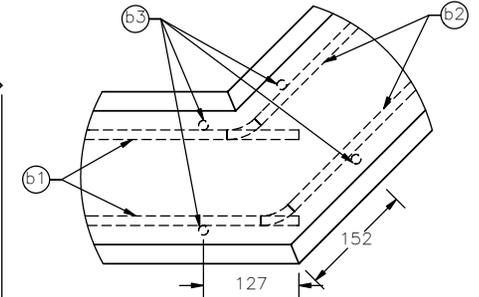
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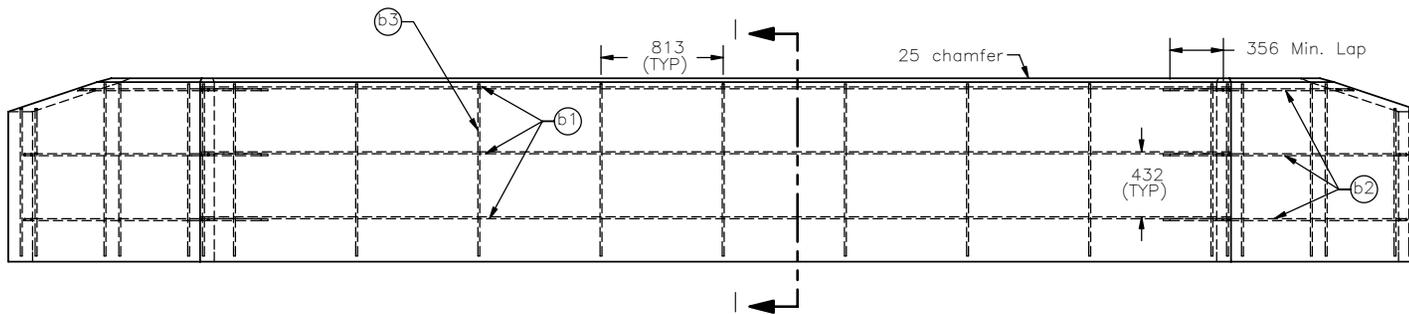
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1 of 10
DATE:
05/23/2006
DRAWN BY:
GEP
REV. BY:
KAP/CME



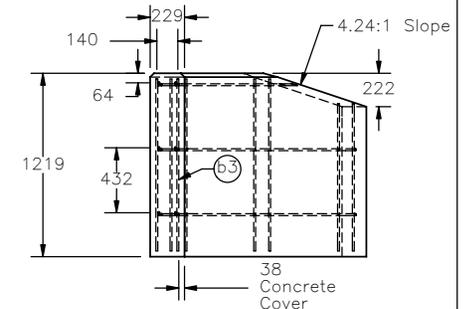
PLAN VIEW



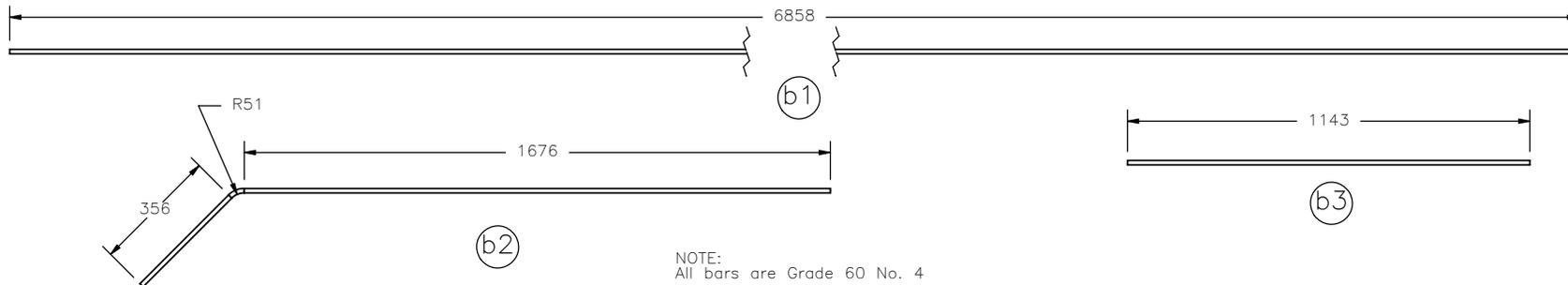
DETAIL H
SCALE 1 : 10



PROFILE VIEW



SECTION I-I



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 - 6858 long	Grade 60 Steel
b2	12	#4 Bar - Bent Longitudinal - 2032 long	Grade 60 Steel
b3	30	#4 Bar - Transverse - 1143 long	Grade 60 Steel



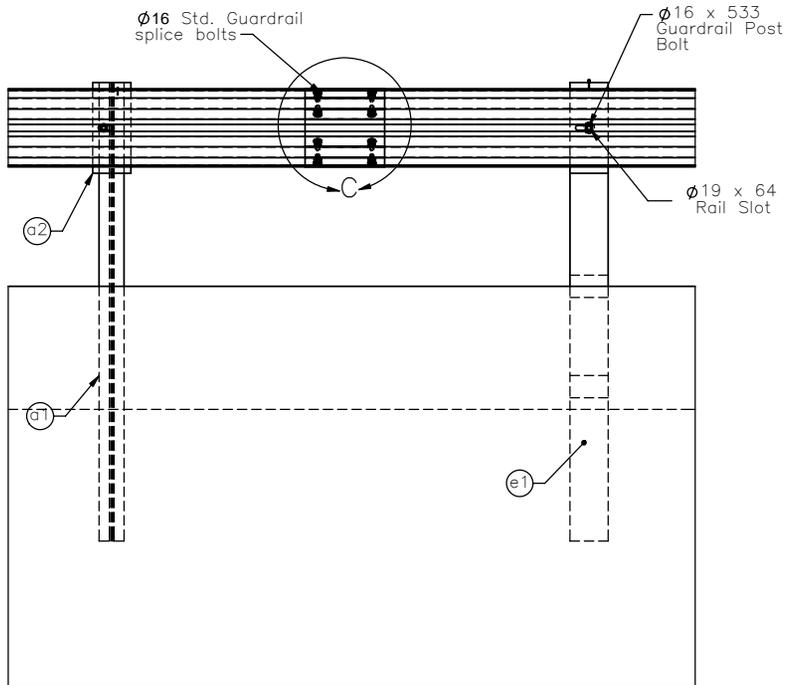
Midwest Roadside
Safety Facility

MGS Long Span LSC-2
Concrete Header Details

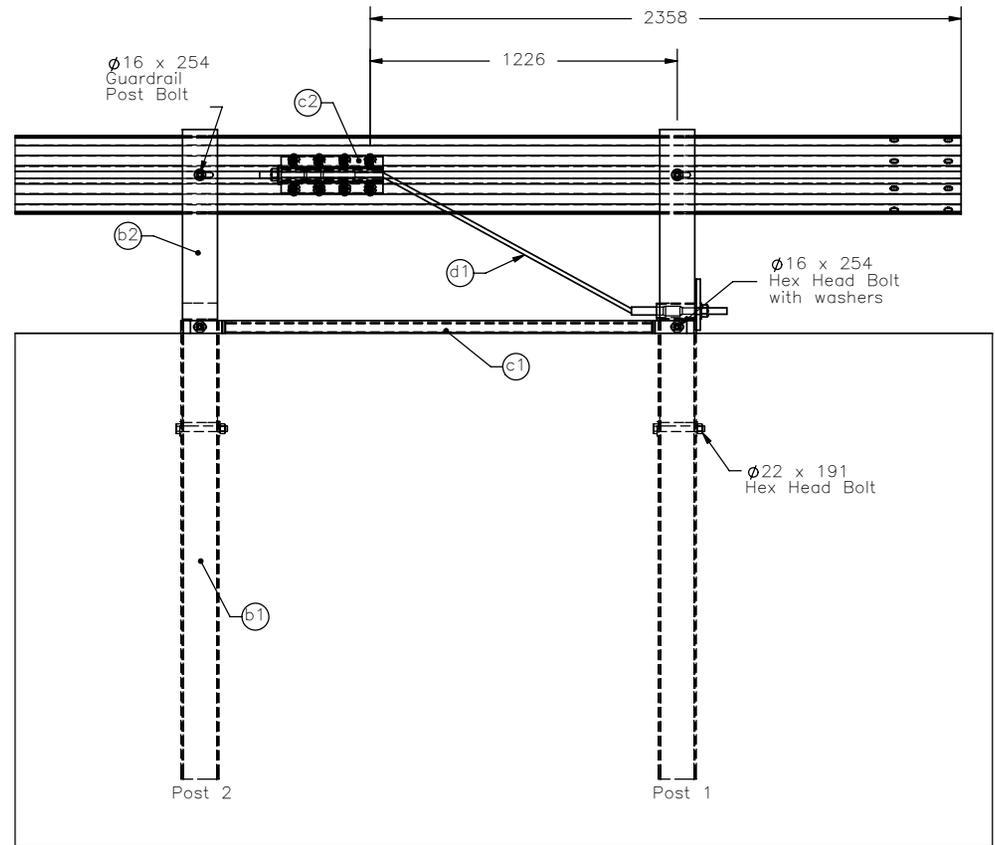
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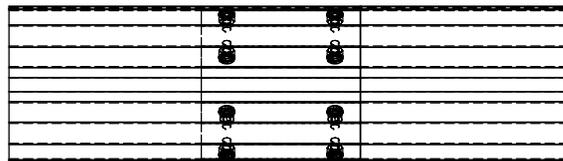
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DATE:
05/23/2006
DRAWN BY:
GEP
REV. BY:
KAP/CME



SPlice DETAIL



END RAIL DETAIL



DETAIL C
SCALE 1 : 15



Midwest Roadside
Safety Facility

MGS Long Span LSC-2

End Rail Detail
Splice Detail

SHEET:
4 of 10

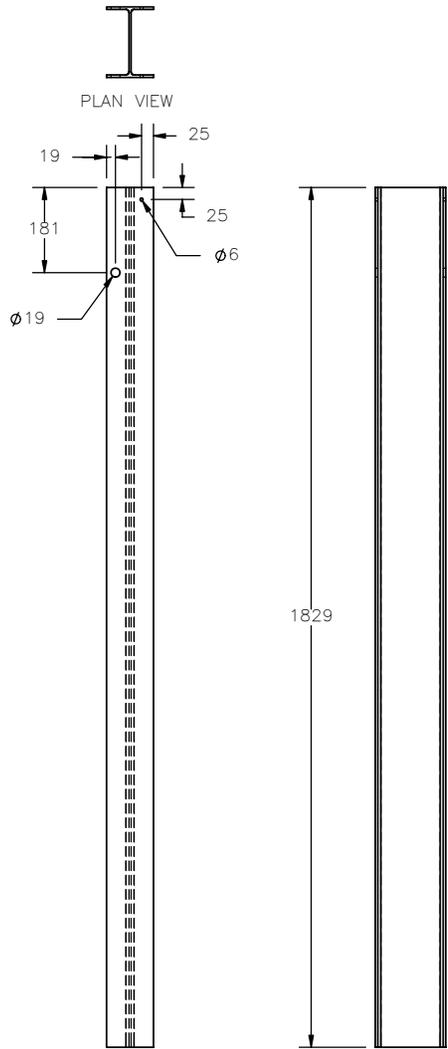
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05/23/2006

DRAWN BY:
GEP

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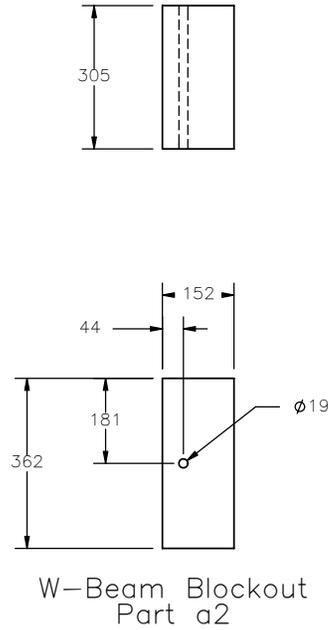
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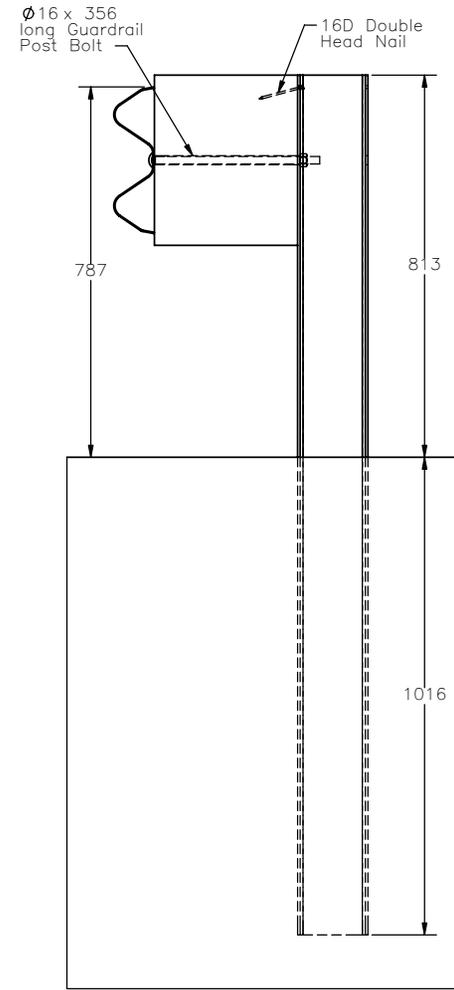
PROFILE VIEW

SIDE VIEW

W152x13.4-Beam Post
Part a1



W-Beam Blockout
Part a2



SECTION A-A



Midwest Roadside
Safety Facility

MGS Long Span LSC-2

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

SHEET:
5 of 10

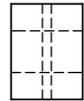
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05/23/2006

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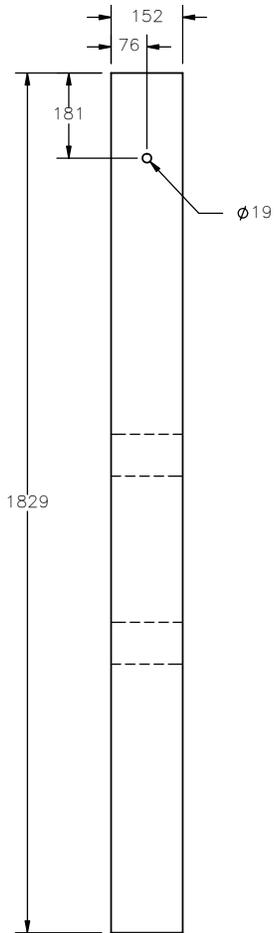
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KAP/CME

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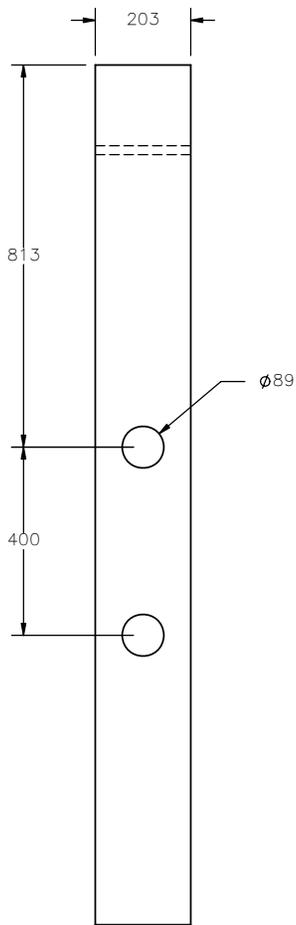
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PLAN VIEW

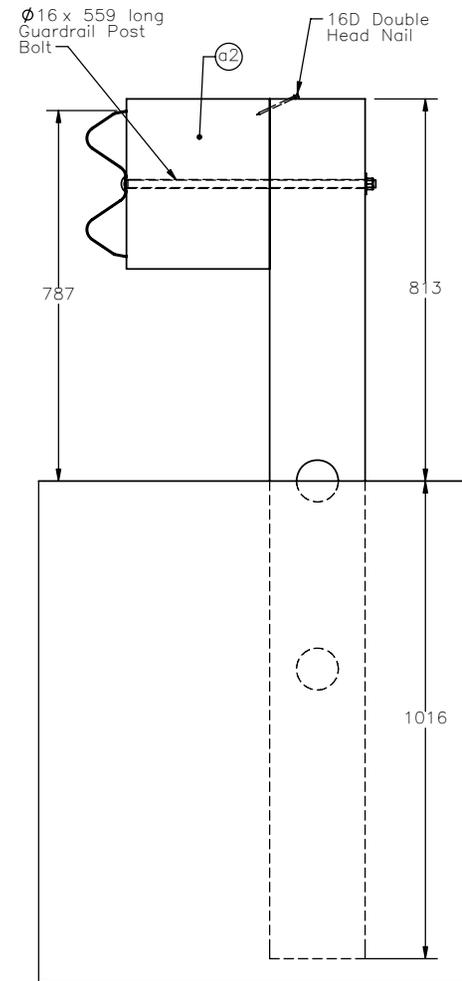


PROFILE VIEW



SIDE VIEW

CRT Wood Post
Part e1



SECTION B-B



Midwest Roadside
Safety Facility

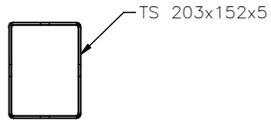
MGS Long Span LSC-2

Post 11-16 Detail
CRT Wood Posts

DWG. NAME.
MGS_Longspan_LSC-2_R2_Metric

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UNITS: mm.

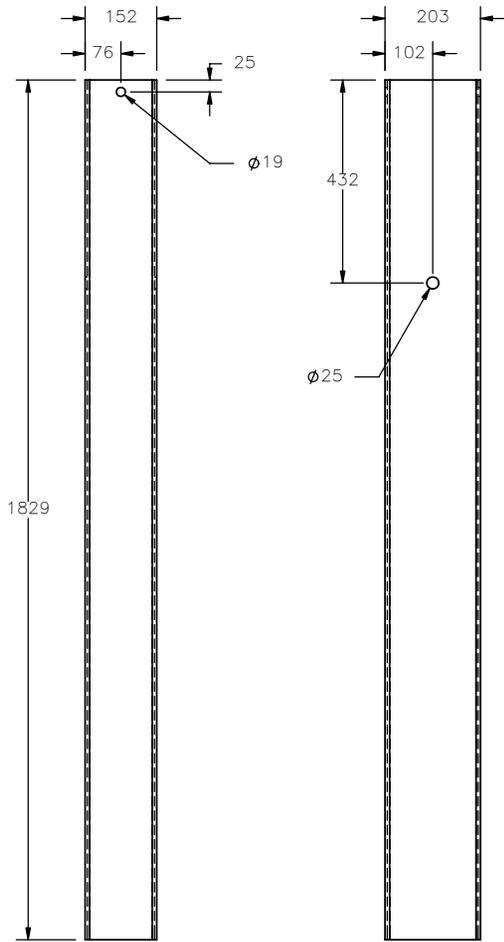
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05/23/2006
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REV. BY:
KAP/CME



PLAN VIEW



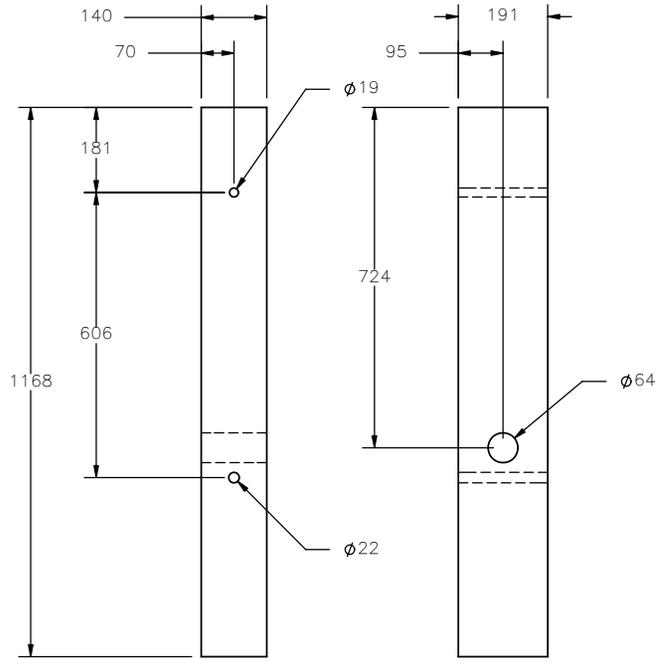
PLAN VIEW



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 LSC-2

BCT Timber Posts &
Foundation Tube Detail

SHEET:
7 of 10

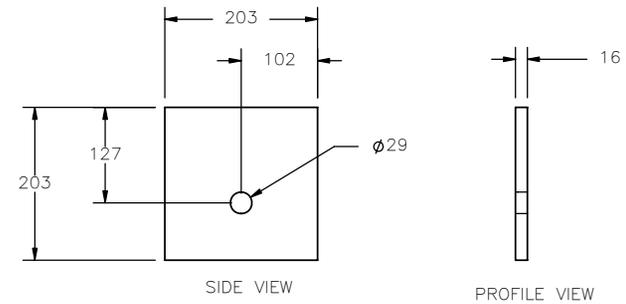
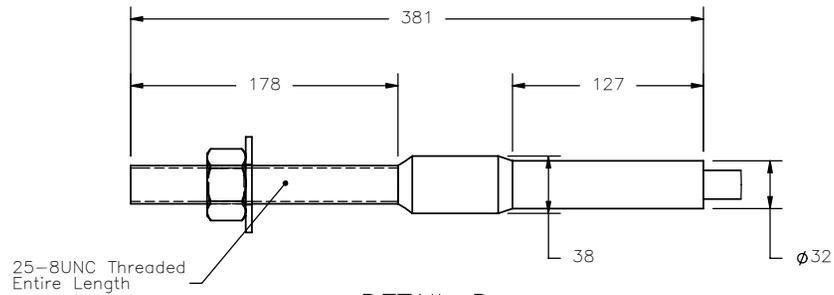
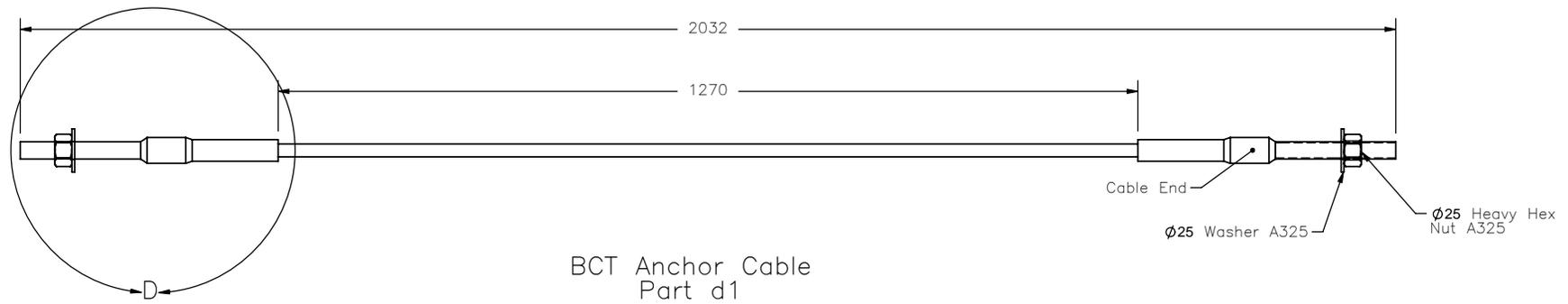
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DRAWN BY:
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DWG. NAME:
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SCALE: None
UNITS: mm.

REV. BY:
KAP/CME



Midwest Roadside
Safety Facility

MGS Long Span LSC-2

BCT Anchor Cable Detail

DWG. NAME.
MGS_Longspan_LSC-2_R2_Metric

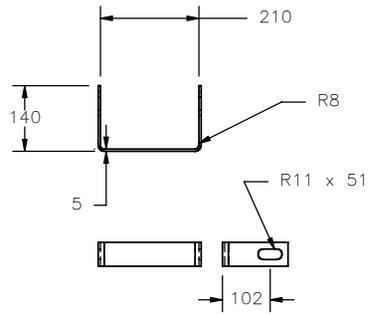
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SHEET:
8 of 10

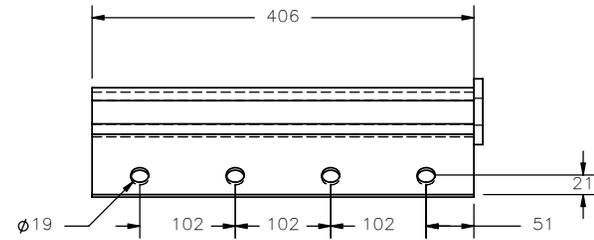
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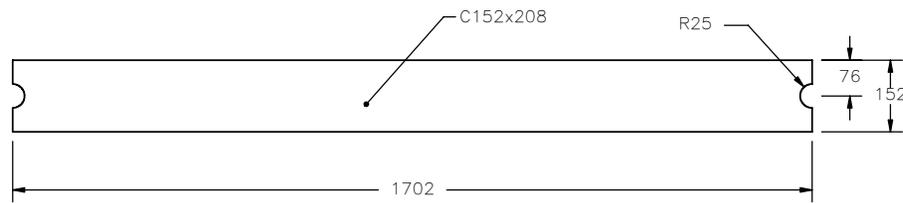
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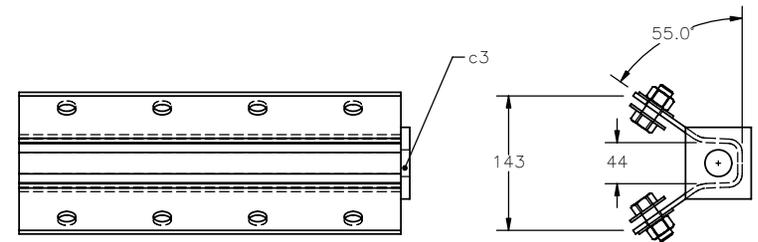
Yoke Detail



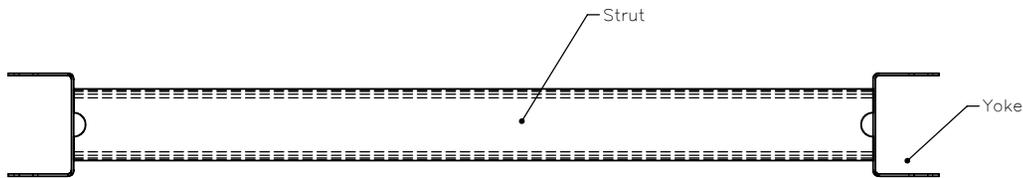
Anchor Bracket
Part c2



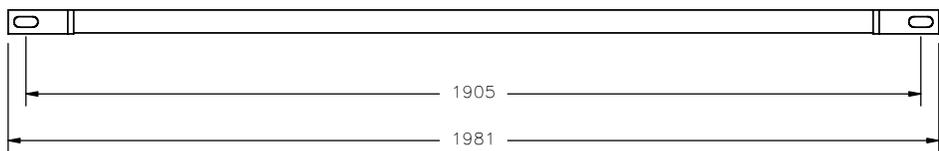
Strut Detail



Anchor Bracket
Bearing Plate
Part c3



PLAN VIEW



PROFILE VIEW

Ground Strut
Part c1



Midwest Roadside
Safety Facility

MGS Long Span LSC-2

Ground Strut & Anchor
Bracket Details

SHEET:
9 of 10

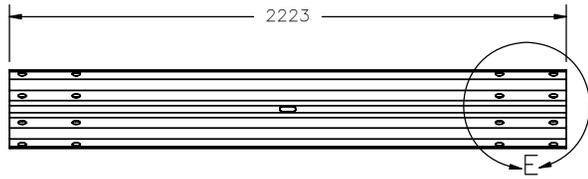
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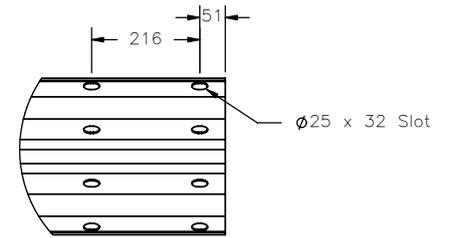
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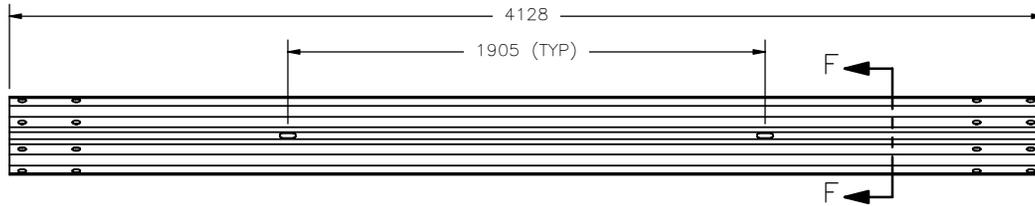
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1905 W-Beam Section, 12 gauge

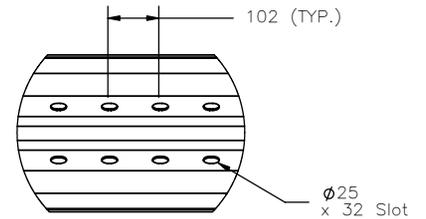


DETAIL E
SCALE 1 : 15

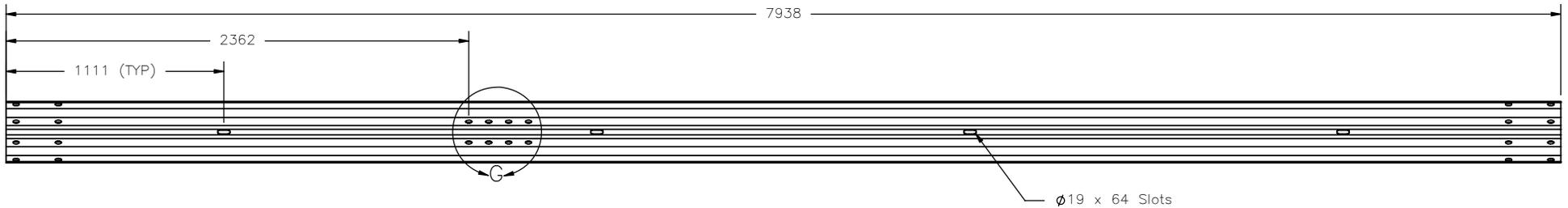


3810 W-Beam Section, 12 gauge

SECTION F-F



DETAIL G
SCALE 1 : 15



7620 W-Beam Section, 12 gauge, End Section



Midwest Roadside
Safety Facility

MGS Long Span LSC-2
Rail Section Details

DWG. NAME:
MGS_Longspan_LSC-2_R2_Metric

SCALE: None
UNITS: mm.

SHEET:
10 of 10
DATE:
05/23/2006
DRAWN BY:
GEP
REV. BY:
KAP/CME