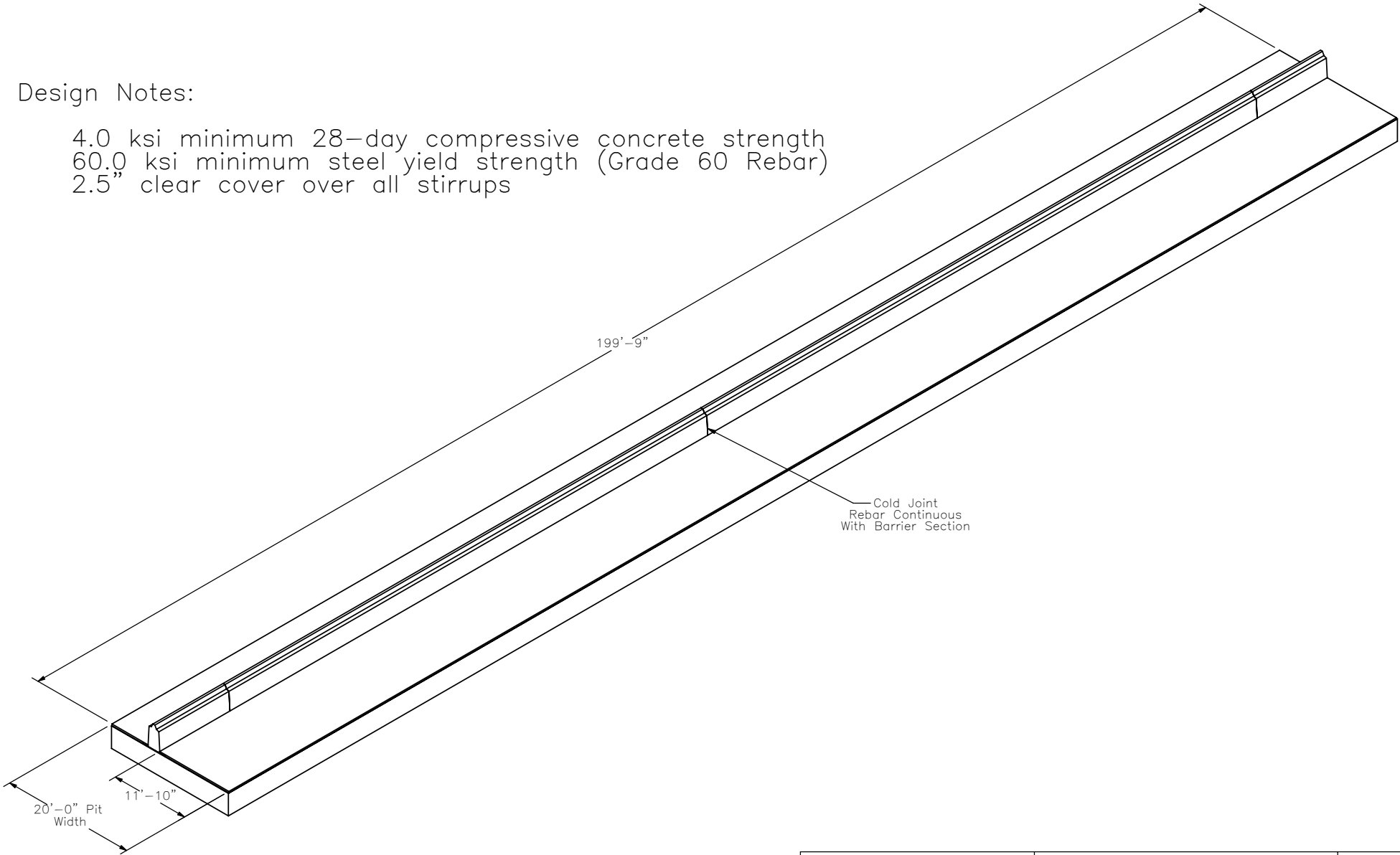


Design Notes:

- 4.0 ksi minimum 28-day compressive concrete strength
- 60.0 ksi minimum steel yield strength (Grade 60 Rebar)
- 2.5" clear cover over all stirrups



- NOTE:
- (1) Asphalt wearing surface is flush with concrete mat
 - (2) 1" gap located between downstream end of barrier and concrete mat
 - (3) 2" gap located between upstream end of barrier and concrete mat
 - (4) Cold joint located 93'-9" from end of barrier
 - (5) Impact location is 30' downstream of the upstream end of the barrier



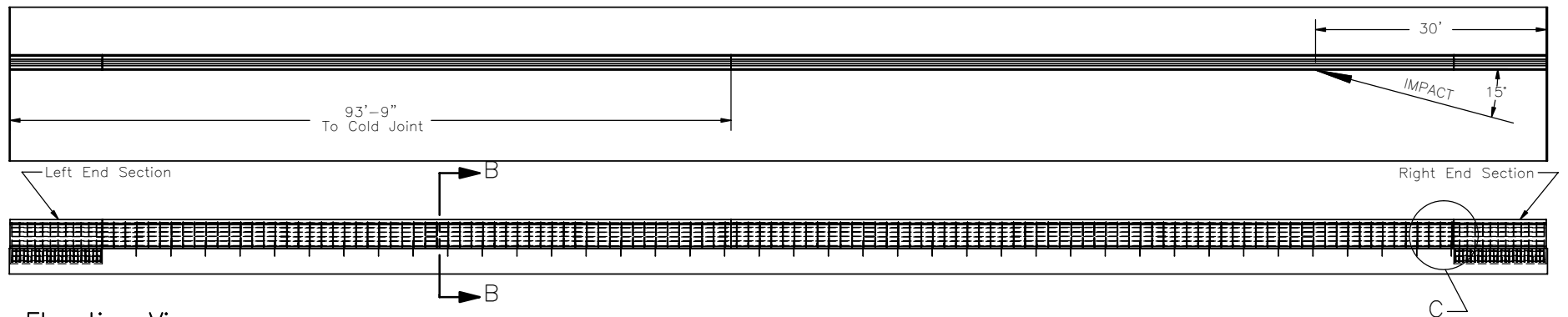
Midwest Roadside
Safety Facility

TL-5 Concrete Median Barrier
System Layout

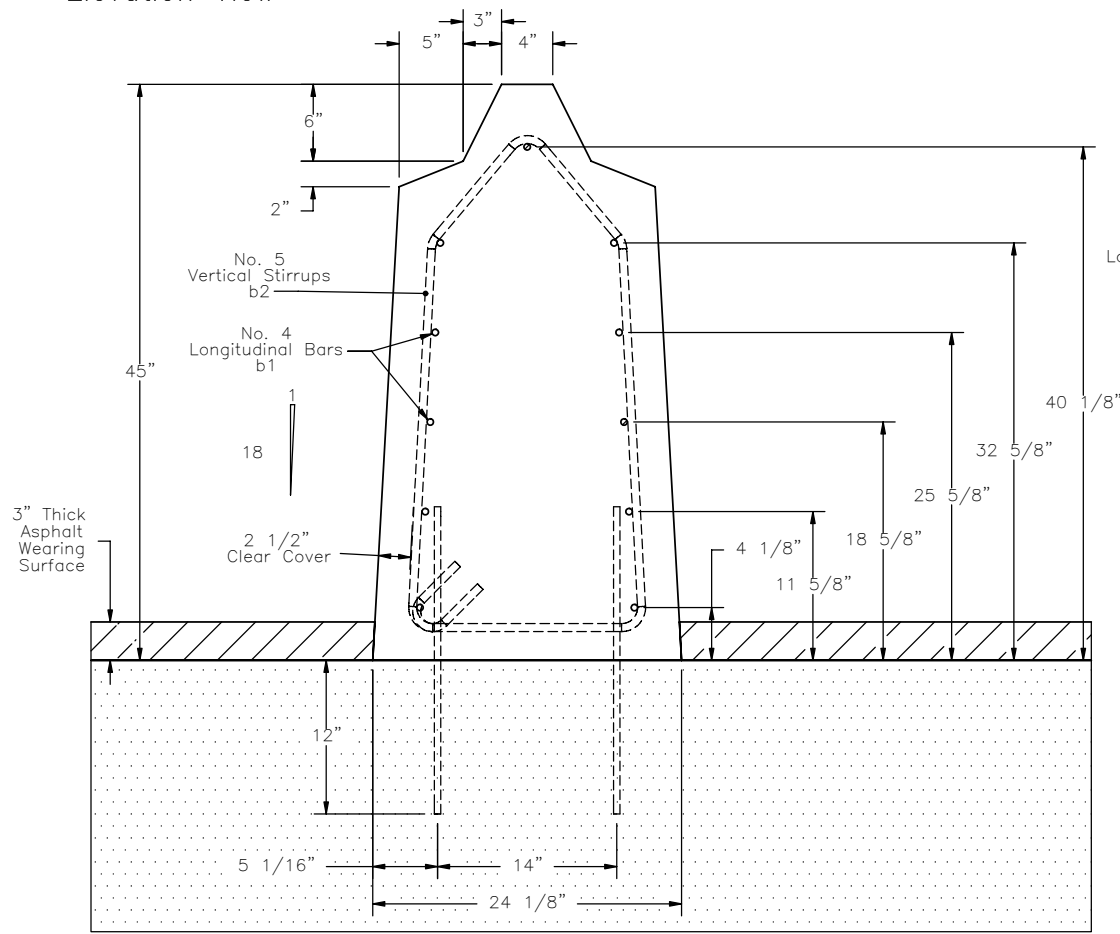
DWG. NAME:
TL-5_Median_Barrier_R9

SCALE: None
UNITS: Inches

SHEET:
1 of 5
DATE:
4/12/2007
DRAWN BY:
CSS
REV. BY:
KAP, RKF

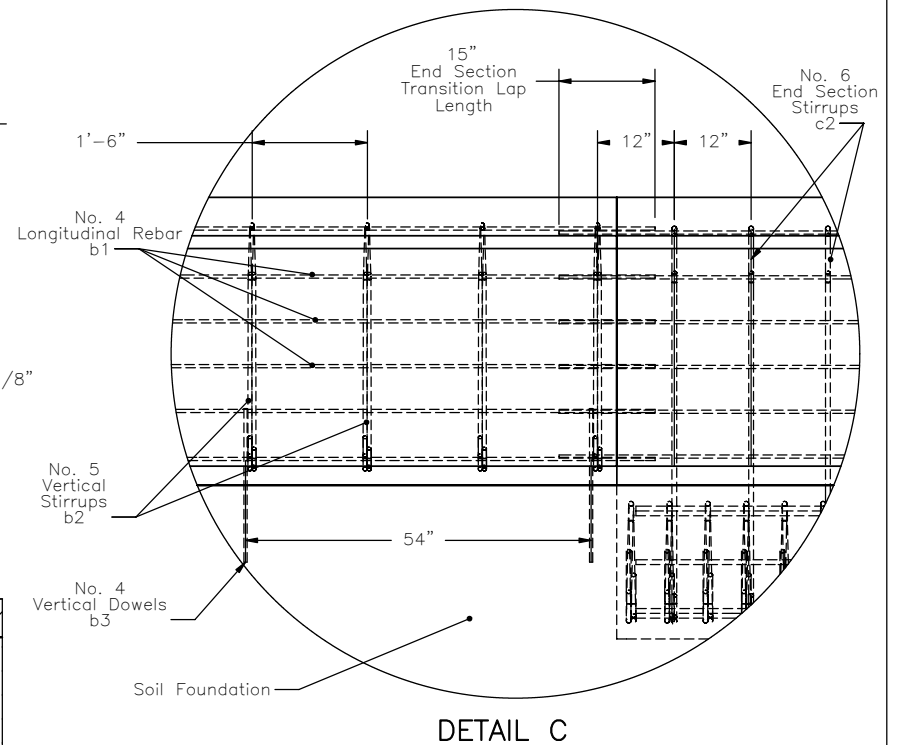


Elevation View



SECTION B-B
SCALE 1:15

NOTE: Minimum lap length of longitudinal rebar in barrier is 12 inches. Minimum lap length between the end section and the remainder of the barrier is 15 inches.



DETAIL C



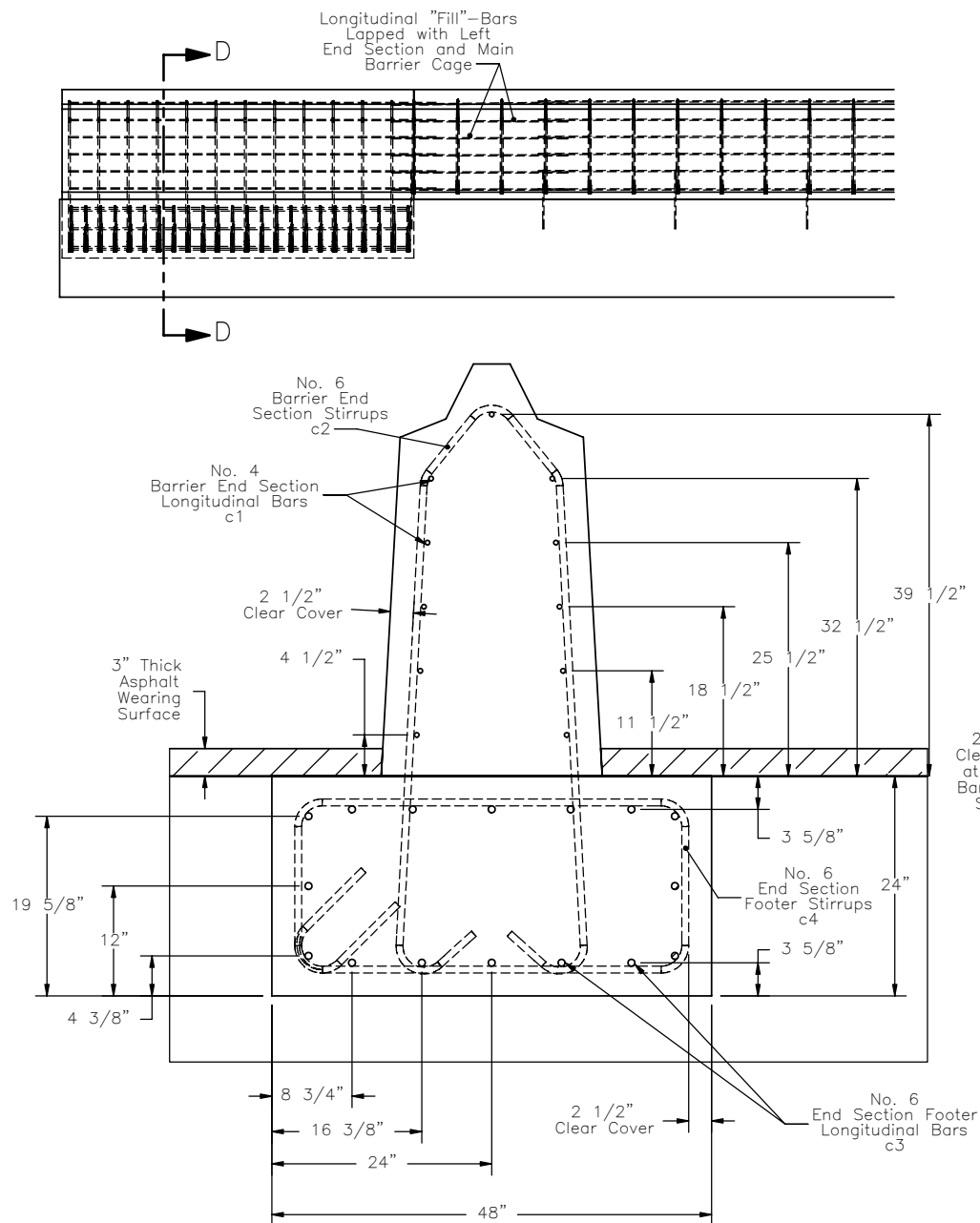
Midwest Roadside
Safety Facility

TL-5 Concrete Median Barrier
Interior Section
Details

DWG. NAME.
TL-5_Median_Barrier_R9

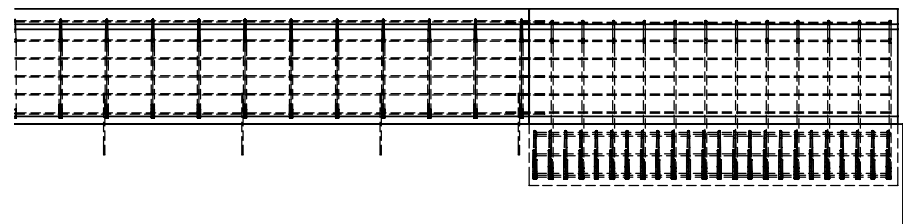
SCALE: None
UNITS: Inches

SHEET:
2 of 5
DATE:
4/12/2007
DRAWN BY:
CSS
REV. BY:
KAP, RKF



NOTE: A 2' wide x 2' deep envelope of 350 soil fill surrounds both footers on all sides
A 12' long x 4' wide x 6" deep aggregate 350 soil fill pad is located directly beneath the footer

SECTION D-D
End Section
Scale 1:20



PLAN VIEW
Left End Section
Scale 1:40



Midwest Roadside
Safety Facility

TL-5 Concrete Median Barrier

End Section
Details

DWG. NAME.

TL-5_Median_Barrier_R9

SCALE: None

UNITS: Inches

SHEET:

3 of 5

DATE:

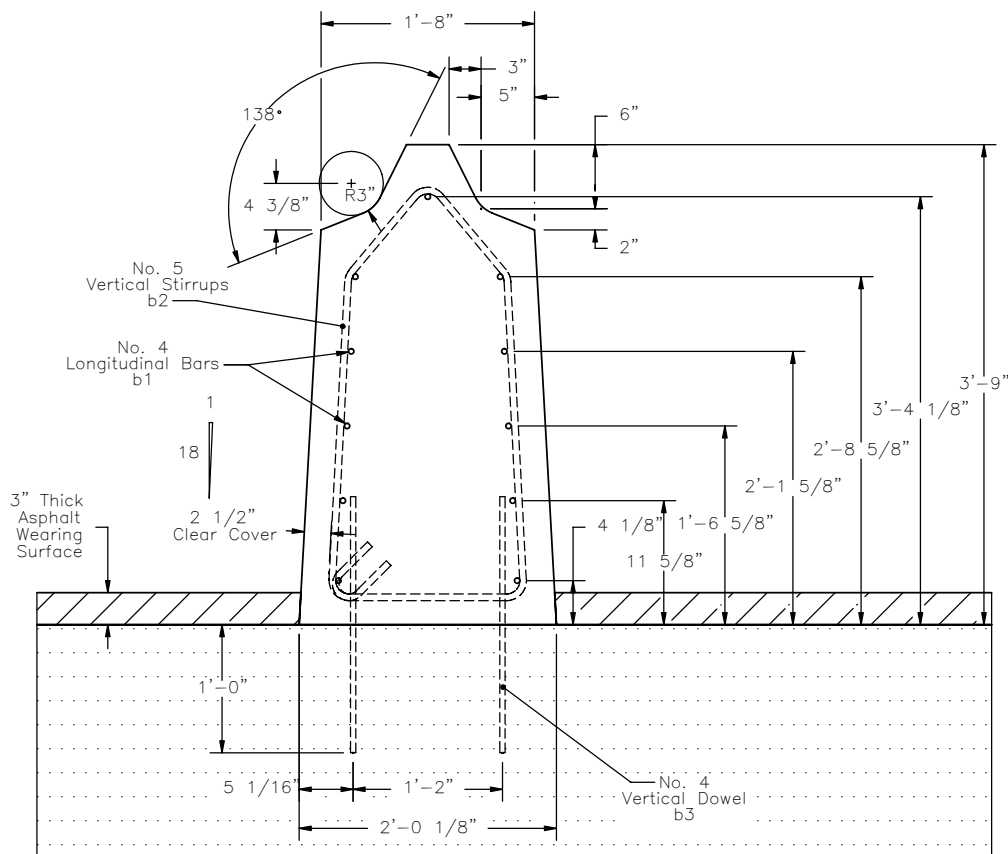
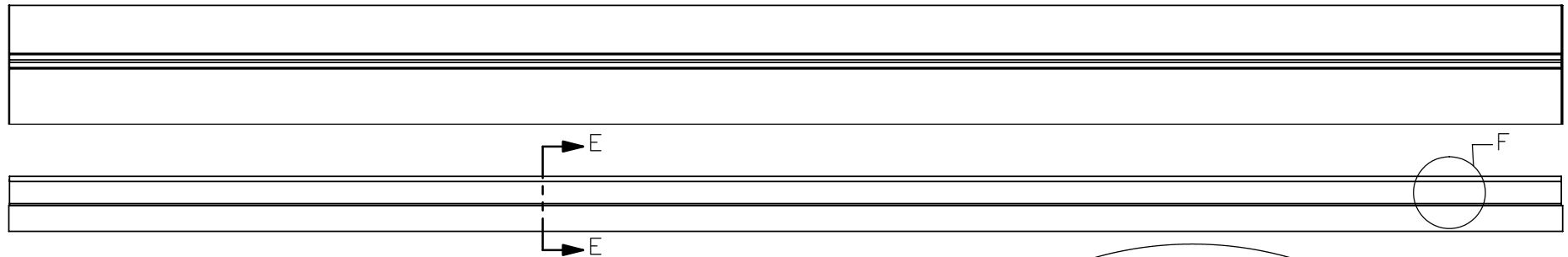
4/12/2007

DRAWN BY:

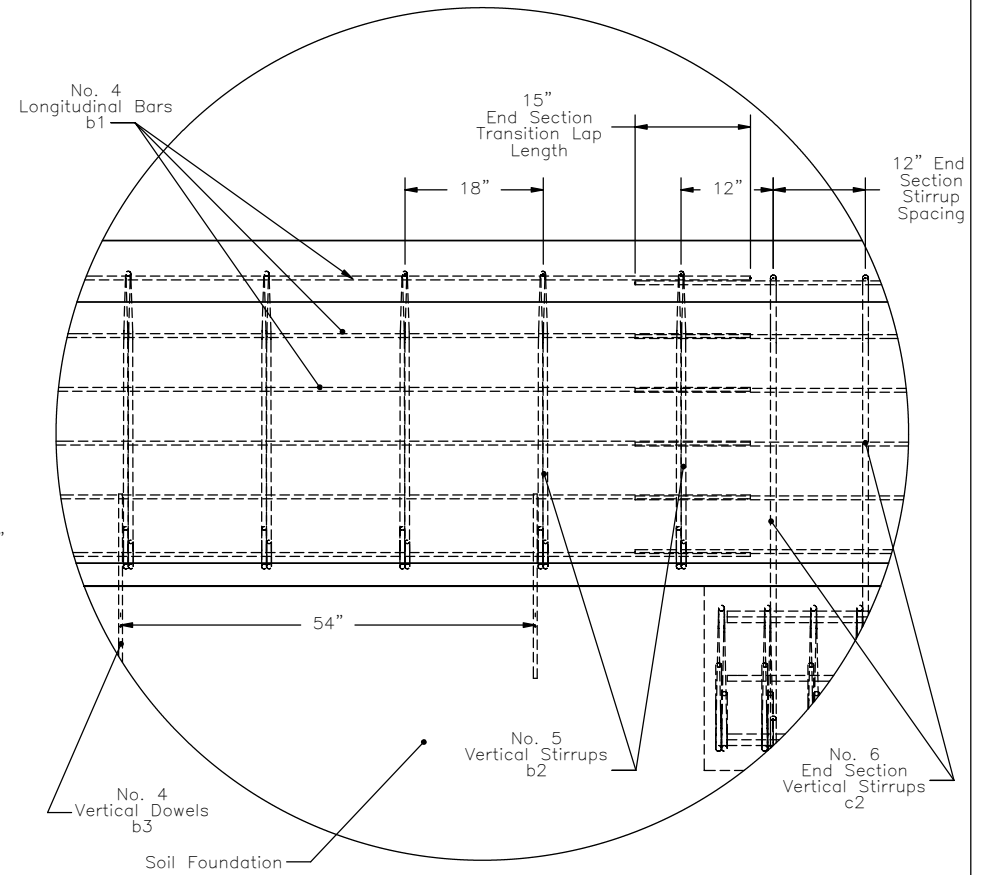
CSS

REV. BY:

KAP, RKF



SECTION E-E
SCALE 1 : 18



DETAIL F
SCALE 1 : 25



Midwest Roadside
Safety Facility

TL-5 Concrete Median Barrier

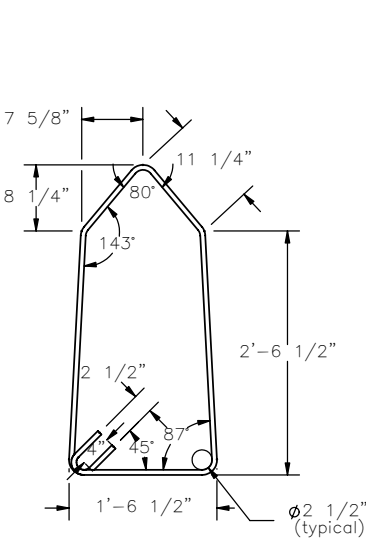
Slip Form Details

DWG. NAME.
TL-5_Median_Barrier_R9

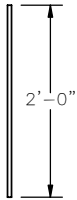
SCALE: None
UNITS: Inches

SHEET:
4 of 5
DATE:
4/12/2007
DRAWN BY:
CSS
REV. BY:
KAP, RKF

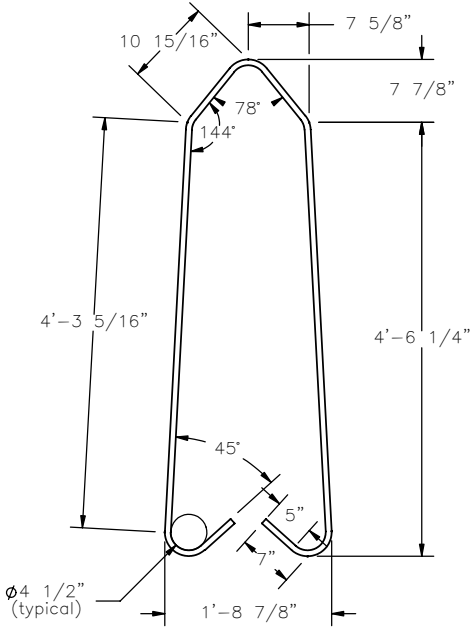
TL-5 Single-Slope Median Barrier – Bar Details						
Item No.	QTY.	Pin Diameter	Length	Material Spec	Bar Size	Description
b1	99	—	240	Grade 60 Steel	No. 4	Longitudinal Bar, 11 per Section
b2	118	2.5"	111 1/2"	Grade 60 Steel	No. 5	Vertical Stirrup
b3	80	—	24"	Grade 60 Steel	No. 4	Vertical Dowel
b4	11	—	Not less than 72"	Grade 60 Steel	No. 4	Longitudinal "Fill" Bar, spliced with Left End Section and with remaining length of barrier section to close cage
c1	22	—	150"	Grade 60 Steel	No. 4	End Section Longitudinal Bar, 11 per End Section
c2	24	4.5"	147"	Grade 60 Steel	No. 6	End Section Stirrup
c3	32	—	138"	Grade 60 Steel	No. 6	End Section Footer Longitudinal Bar, 16 per End Section
c4	48	4.5"	141"	Grade 60 Steel	No. 6	End Section Footer Stirrup



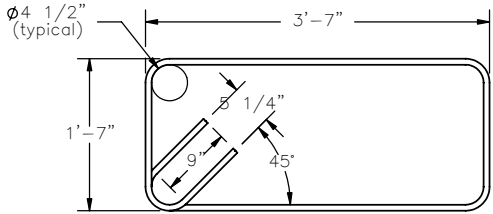
Vertical Stirrup
Part b2



Vertical Dowel
Part b3



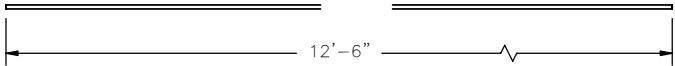
End Section Stirrup
Part c2



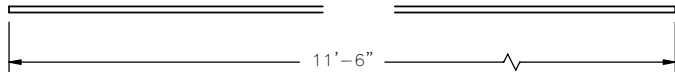
End Section Footer Stirrup
Part c4



Longitudinal Bar
Part b1



End Section Longitudinal Bar
Part c1



End Section Footer Longitudinal Bar
Part c3



Longitudinal "Fill" Bar
Part b4



Midwest Roadside
Safety Facility

TL-5 Concrete Median Barrier
Bill of Bars

DWG. NAME.
TL-5_Median_Barrier_R9

SCALE: 1:24
UNITS: Inches

SHEET:
5 of 5

DATE:
4/12/2007

DRAWN BY:
CSS

REV. BY:
KAP, RKF