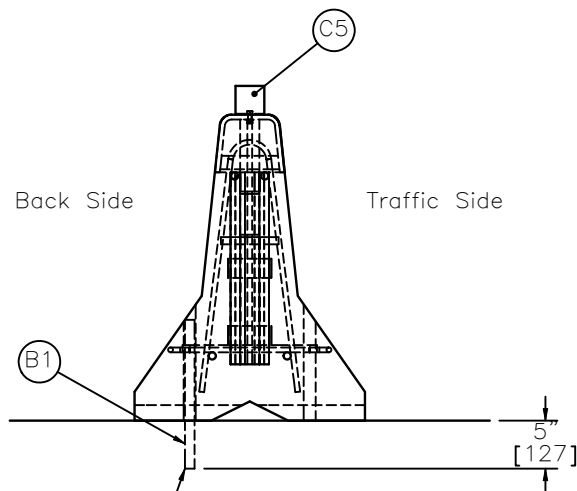
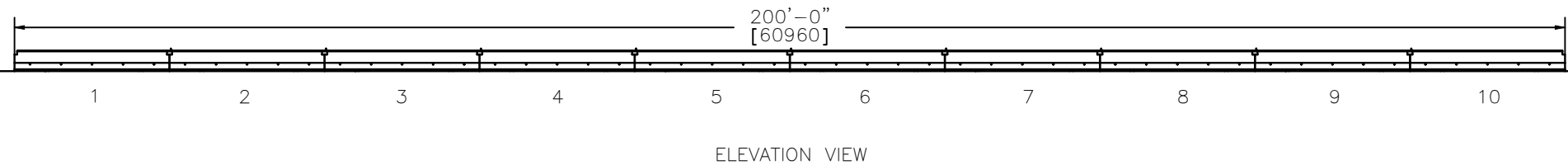
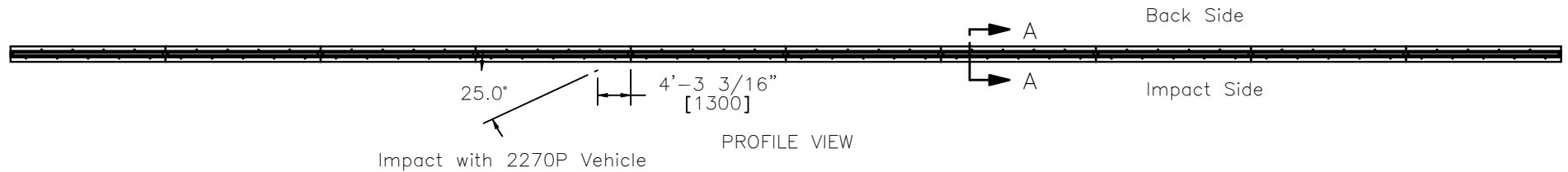


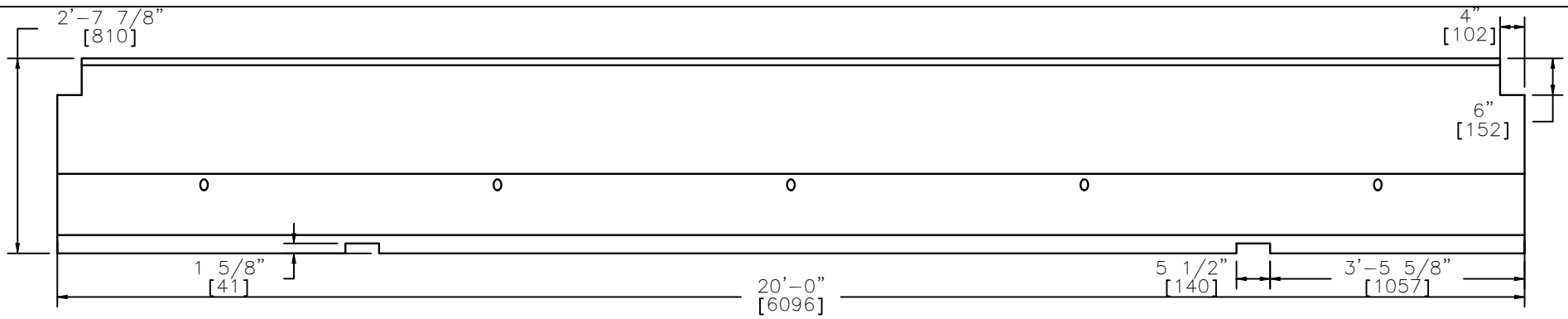


SECTION A-A
SCALE 1 : 20

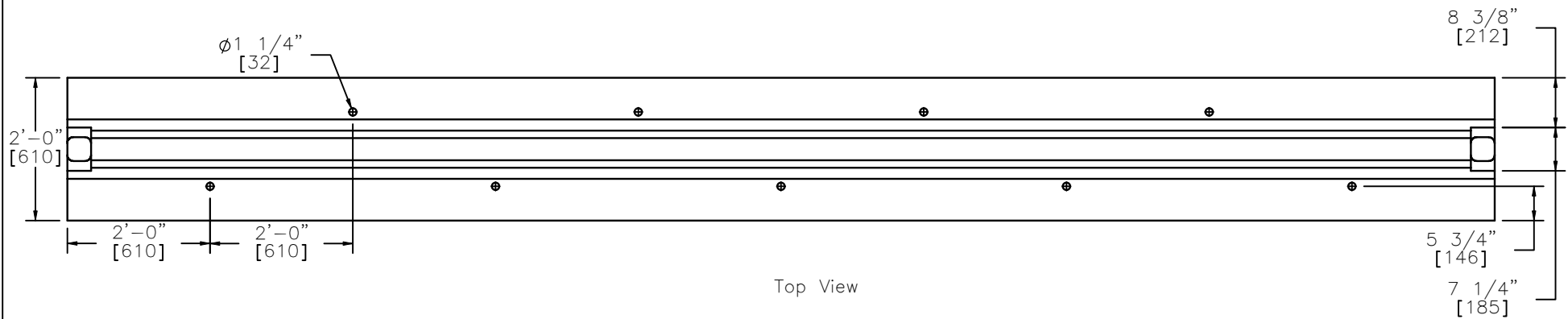
Sections 1, 3, 5, 7, and 9 are anchored into concrete pad with 4 - A36 $\phi 1"$ [25] x 15 1/2" [394] long unthreaded steel rods set in $\phi 1 1/8"$ [29] x 5" [127] deep drilled holes for each noted barrier.

- Notes: (1) Anchor pins may also be driven 18 in. [457] into asphalt surface.
(2) Sections 1, 3, 5, 7, and 9 are pinned on the back side.

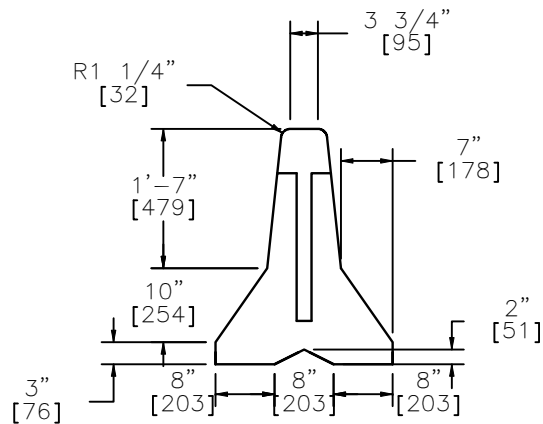
	NY Pinned Temporary Concrete Barrier		SHEET: 1 of 9
	System Layout		DATE: 8/17/2009
Midwest Roadside Safety Facility	DWG. NAME: NYTCBP_R6		DRAWN BY: GRA/EAJ/RJT
	SCALE: 1:245 UNITS: In.[mm]		REV. BY: KAL/RKF



Front View



Top View



Side View

Note: (1) Concrete has minimum 28-day compressive strength of 3.0 ksi [21 MPa].



Midwest Roadside
Safety Facility

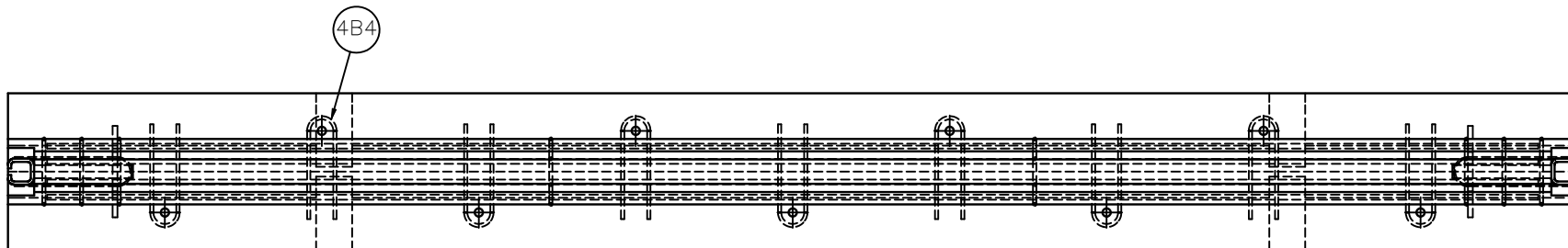
NY Pinned Temporary Concrete
Barrier

Concrete Section
Part M1

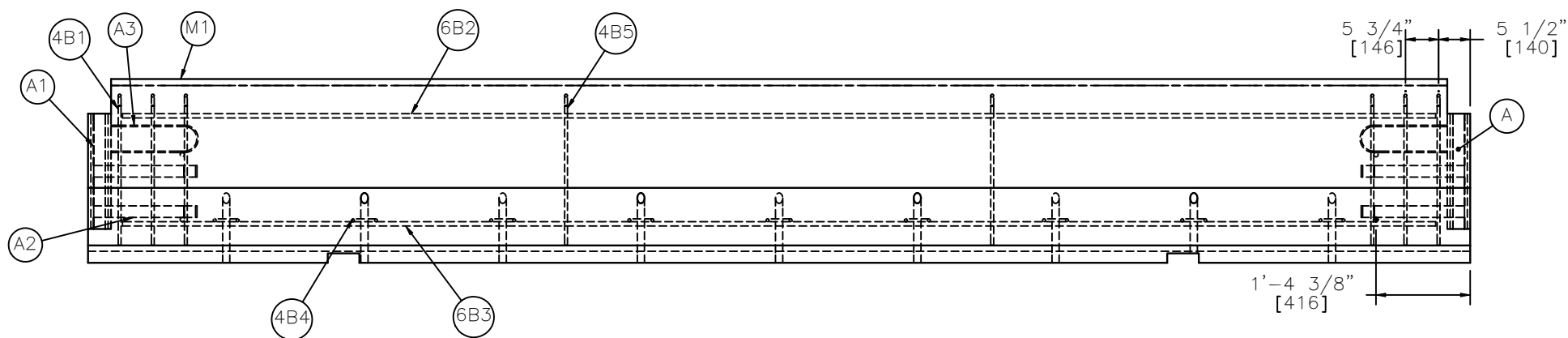
DWG. NAME.
NYTCBP_R6

SCALE: 1:26
UNITS: In.[mm]

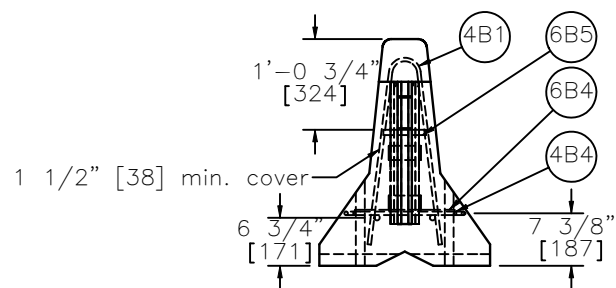
SHEET:
2 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF



Top View



Back View



End View



Midwest Roadside
Safety Facility

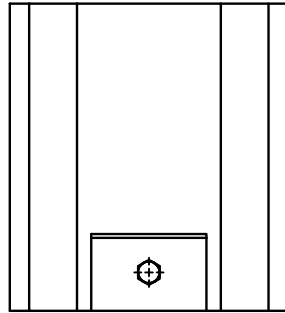
NY Pinned Temporary Concrete
Barrier

Reinforcement Details

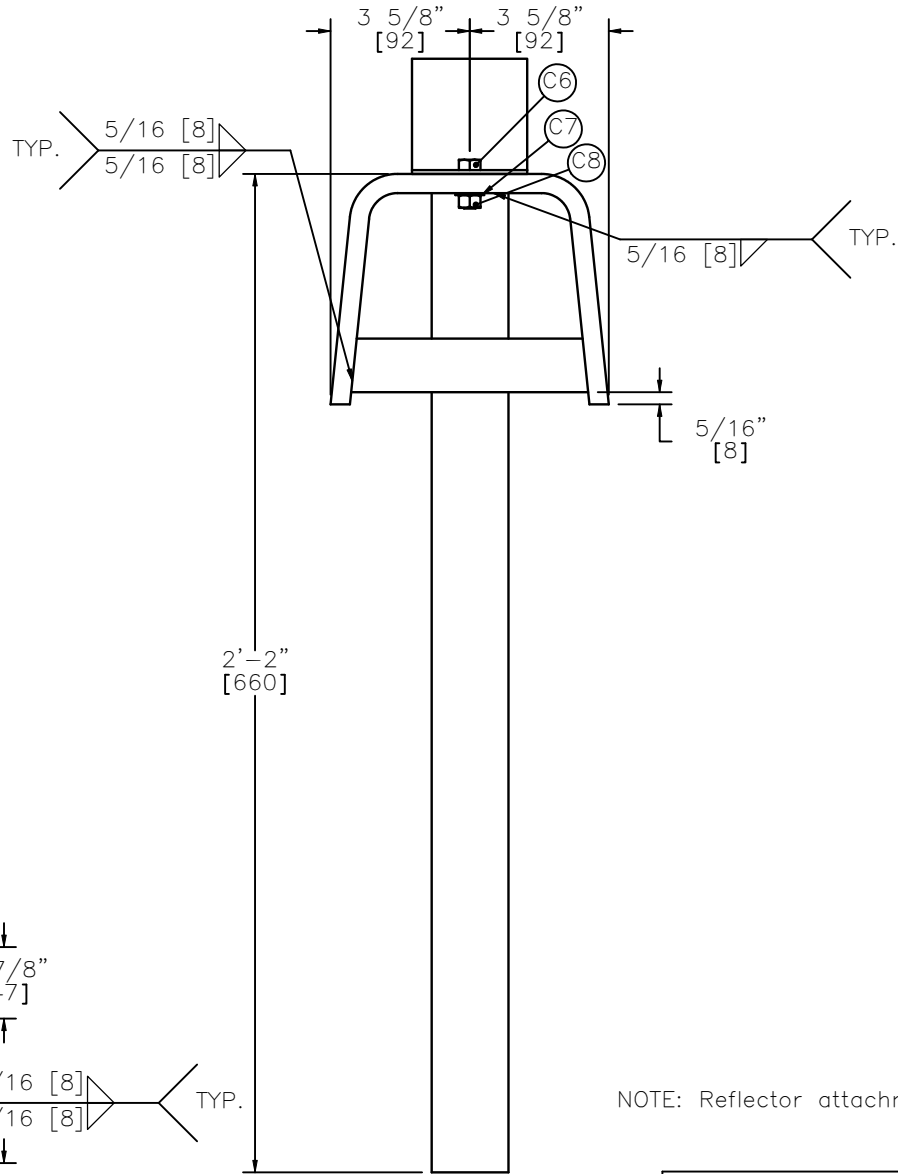
DWG. NAME.
NYTCBP_R6

SCALE: 1:27
UNITS: In./mm

SHEET:
3 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF

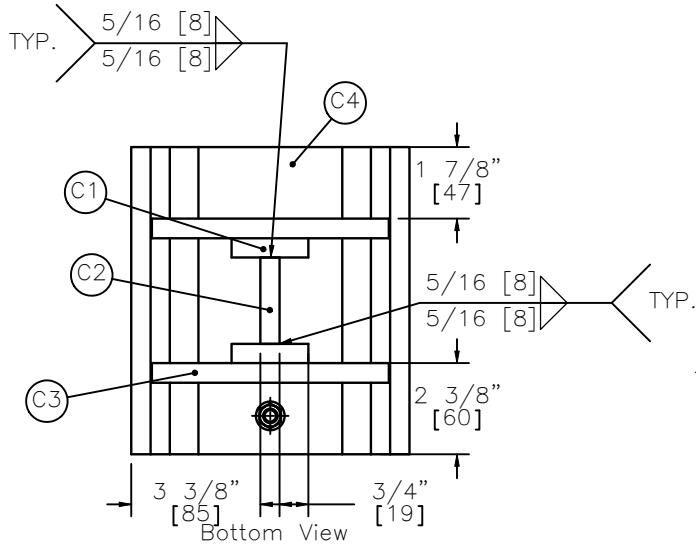


Top View

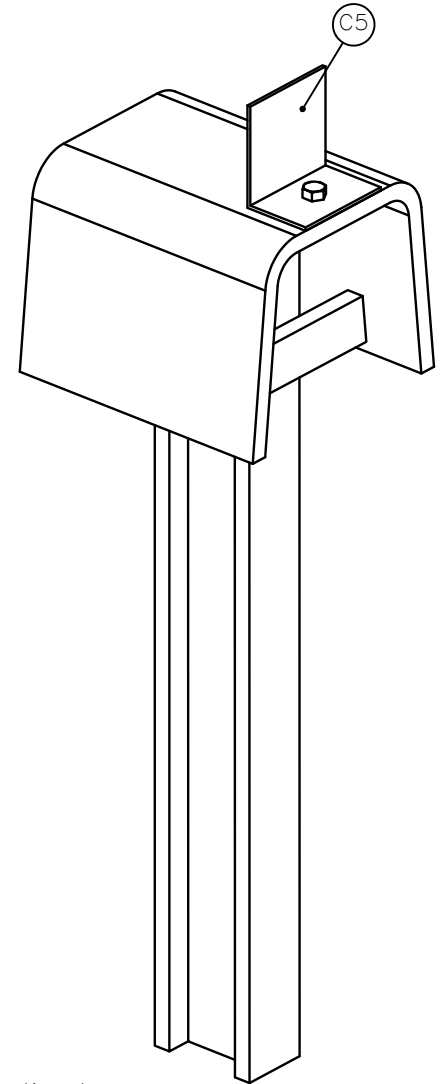


Front View

Part C
Connection Key



Bottom View



NOTE: Reflector attachment is optional



Midwest Roadside
Safety Facility

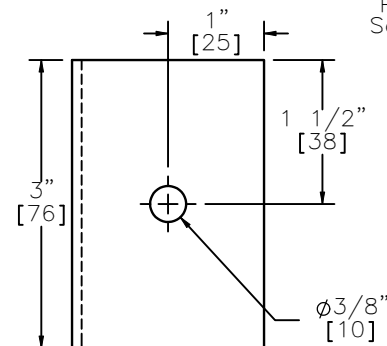
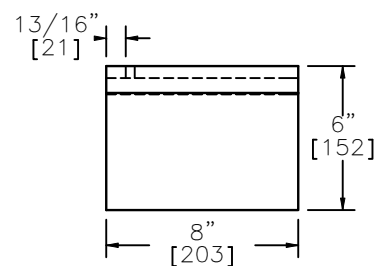
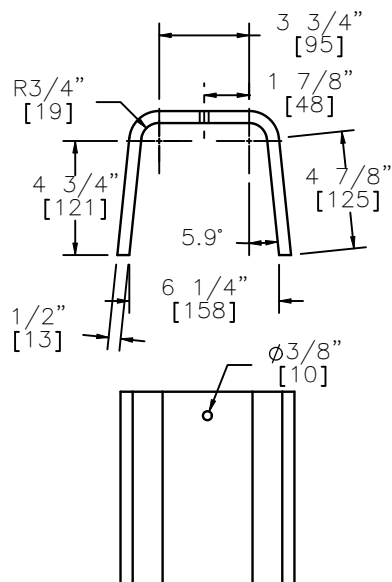
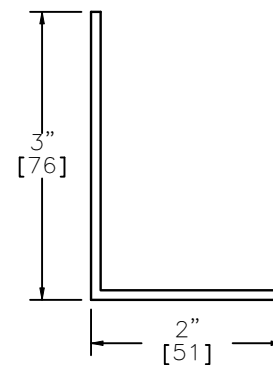
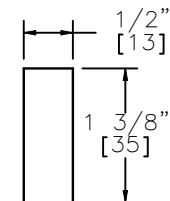
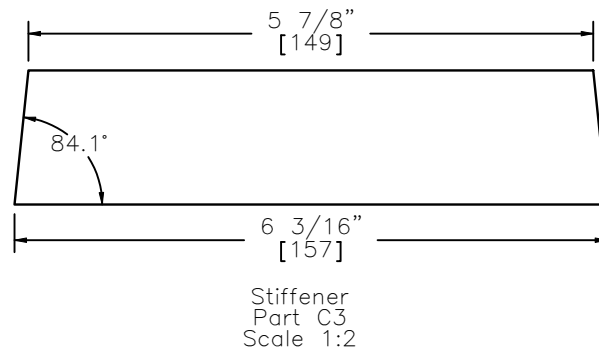
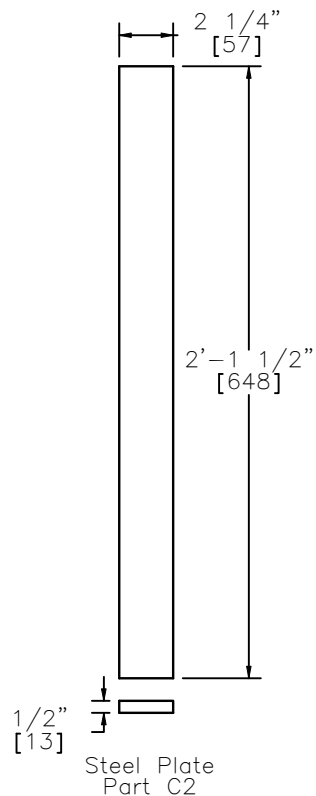
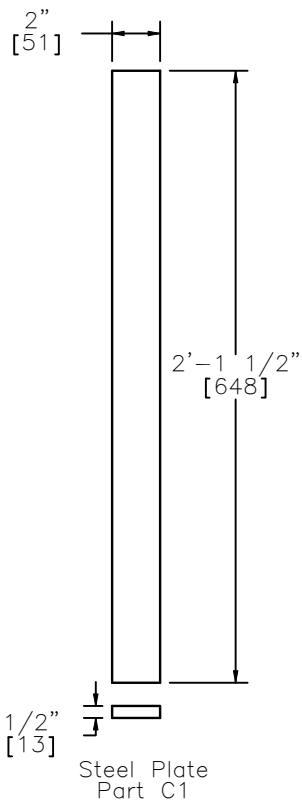
NY Pinned Temporary Concrete
Barrier

Connection Key Assembly
Part C

DWG. NAME.
NYTCBP_R6

SCALE: 1:5
UNITS: In./mm

SHEET:
4 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF



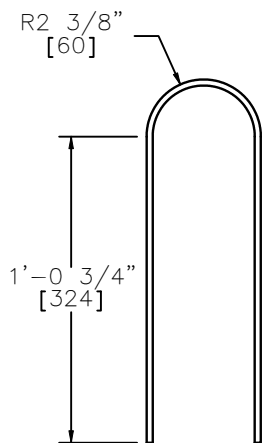
NY Pinned Temporary Concrete
Barrier

Connection Key Assembly
Components

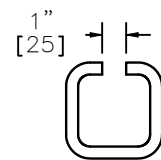
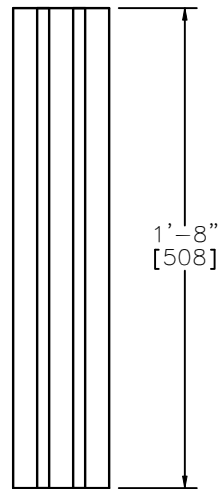
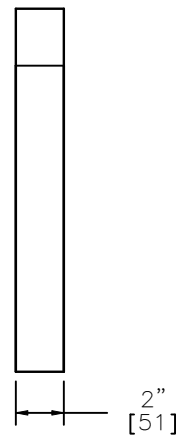
DWG. NAME:
NYTCBP_R6

SCALE: 1:8
UNITS: In./mm

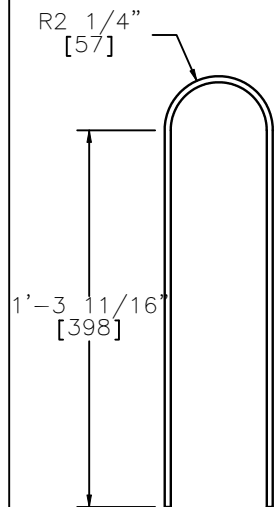
SHEET:
5 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF



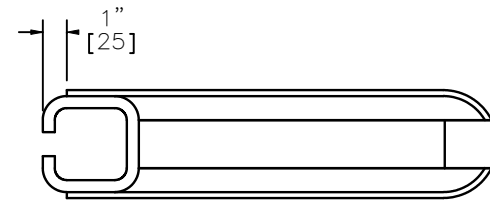
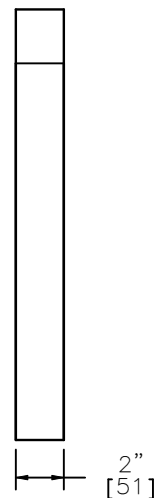
Curved Steel Plate 1
Part A2



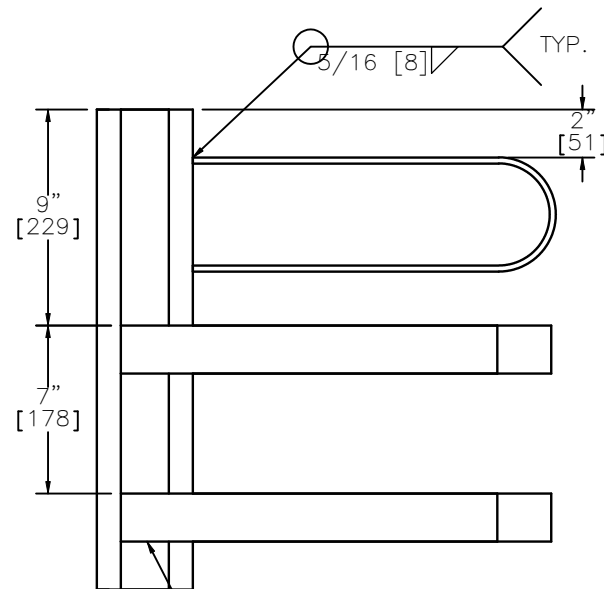
4" x 4" x 1/2"
[102x102x13] Tube
Part A1



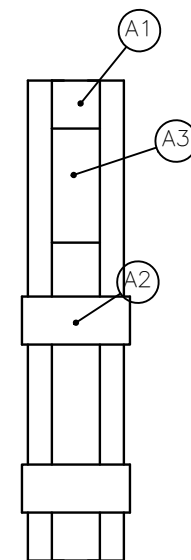
Curved Steel Plate 1
Part A3



Top View



Front View



Side View

Connector Key
Part A



Midwest Roadside
Safety Facility

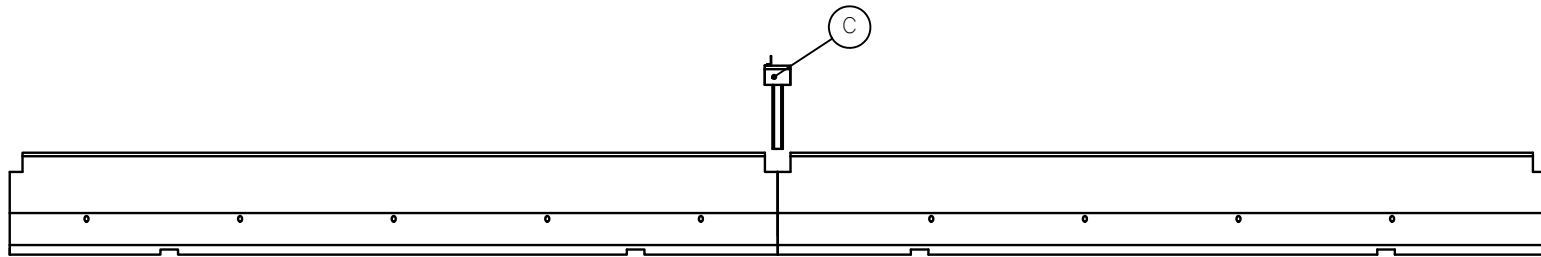
NY Pinned Temporary Concrete
Barrier

Connector Key
Part A

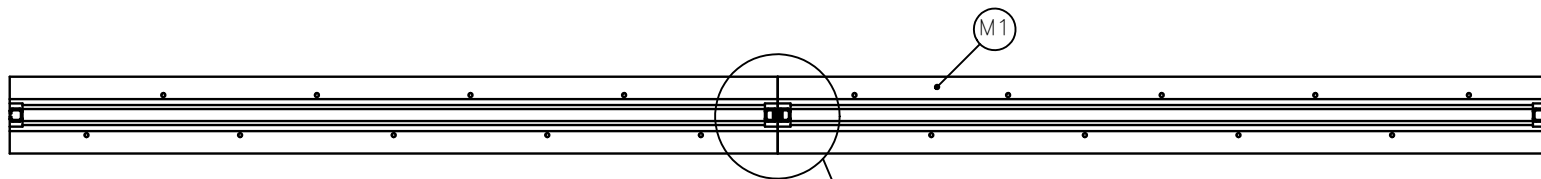
DWG. NAME.
NYTCBP_R6

SCALE: 1:8
UNITS: In.[mm]

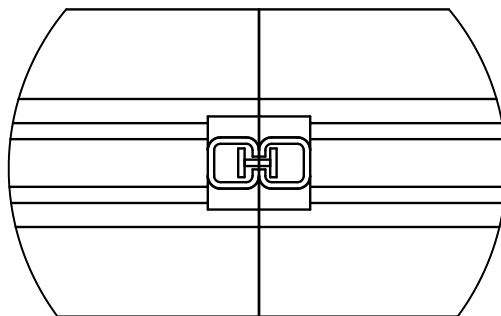
SHEET:
6 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF



Front View

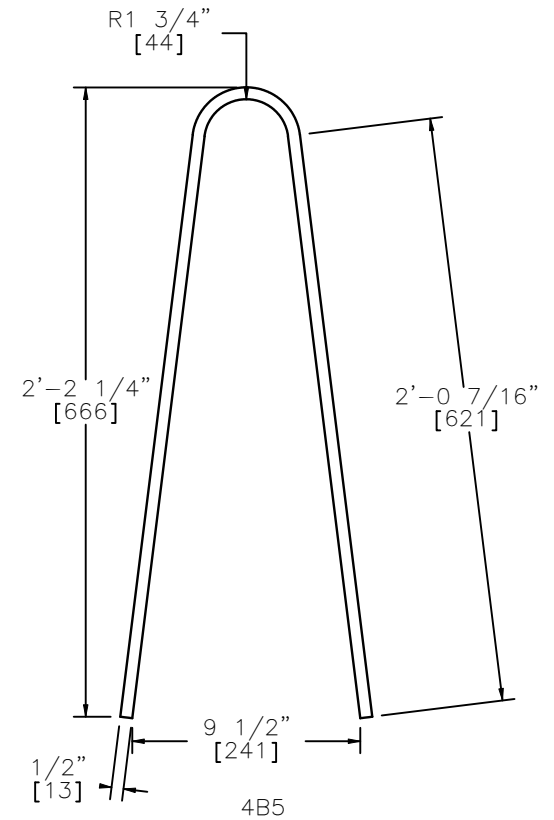
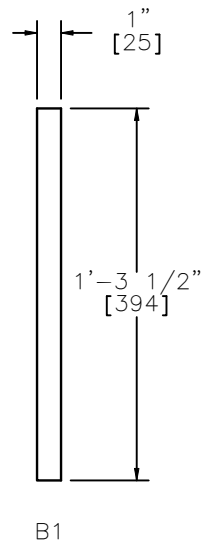
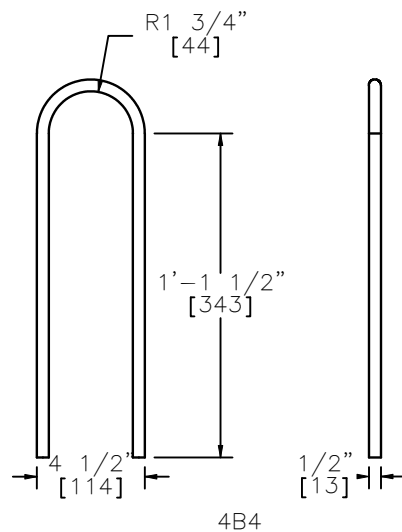
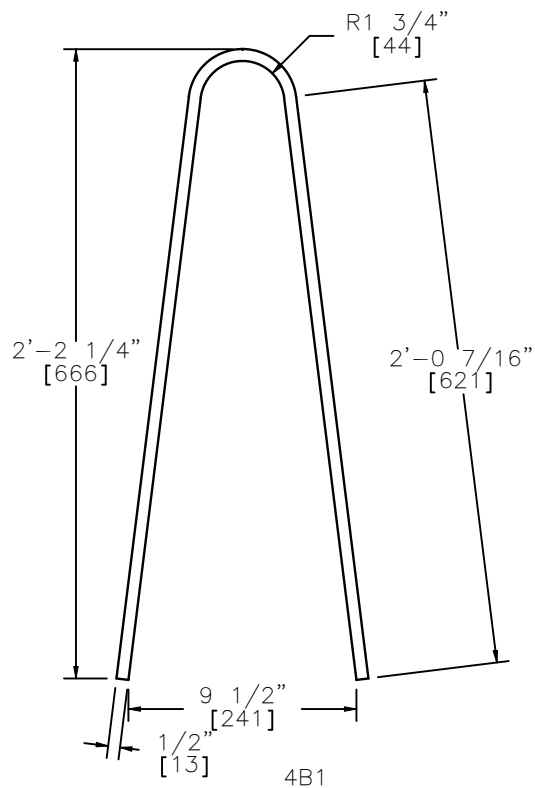


Top View



DETAIL B
SCALE 1 : 15

	NY Pinned Temporary Concrete Barrier		SHEET: 7 of 9
	Connection Key		DATE: 8/17/2009
Midwest Roadside Safety Facility	DWG. NAME: NYTCBP_R6		DRAWN BY: GRA/EAJ/RJT
	SCALE: 1:60 UNITS: In./mm		REV. BY: KAL/RKF



NY Pinned Temporary Barrier					
Item No.	Bend Dia.	Qty.	Length	Material Spec	Bar Size
B1	—	20	15-1/2" [394]	A36M	1"
4B1	3-1/2" [89]	60	55-3/8" [1406]	A615 Gr. 60	4
4B4	3-1/2" [89]	90	34-1/6" [868]	A615 Gr. 60	4
4B5	3-1/2" [89]	20	55-3/8" [1406]	A615 Gr. 60	4
6B2	—	20	19'-0" [5791]	A615 Gr. 60	6
6B3	—	20	19'-0" [5791]	A615 Gr. 60	6
6B4	—	20	14" [356]	A615 Gr. 60	6
6B5	—	20	6" [152]	A615 Gr. 60	6

Note: (1) Quantities in Bill of Bars represent a system with 10 barriers.



Midwest Roadside
Safety Facility

NY Pinned Temporary Concrete
Barrier

Bill of Bars

DWG. NAME.
NYTCBP_R6

SCALE: 1:8
UNITS: In./mm

SHEET:
8 of 9
DATE:
8/17/2009
DRAWN BY:
GRA/EAJ/
RJT
REV. BY:
KAL/RKF

New York Pinned Temporary Concrete Barrier					
Item No.	QTY.	Description	Material Spec		
4B1	60	Rebar 4B1	A615 60		
4B4	18	Rebar 4B4	A615 60		
4B5	20	Rebar 4B5	A615 60		
6B2	20	Rebar 6B2	A615 60		
6B3	20	Rebar 6B3	A615 60		
6B4	20	Rebar 6B4	A615 60		
6B5	20	Rebar 6B5	A615 60		
A1	20	Steel Tube – 4"x4"x1/2" thick x 20" long	A500		
A2	40	Steel Plate	A36		
A3	20	Steel Plate	A36		
B1	20	1" Dia. x 15.5" Unthreaded Rod	A36		
C1	18	Steel Plate	A36		
C2	9	Steel Plate	A36		
C3	18	Steel Plate–1/2"	A36		
C4	9	Steel Plate– 1/2"	A36		
C5	9	Steel Plate	A36		
C6	9	7/16 – 14 UNC x 1" Grade A325 Bolt	A325		
C7	9	7/16" Dia. Lock Washer	F436 Gr. 1		
C8	9	7/16" Dia. Hex Nut	A563		
M1	10	Concrete Section	Min fc = 3,000 psi		
			NY Pinned Temporary Concrete Barrier	SHEET: 9 of 9	
			Bill of Materials	DATE: 8/17/2009	
		Midwest Roadside Safety Facility	DWG. NAME: NYTCBP_R6	SCALE: None UNITS: In.[mm]	DRAWN BY: GRA/EAJ/ RJT
					REV. BY: KAL/RKF