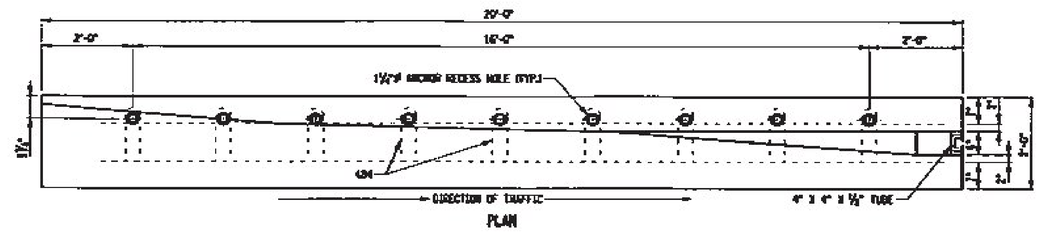
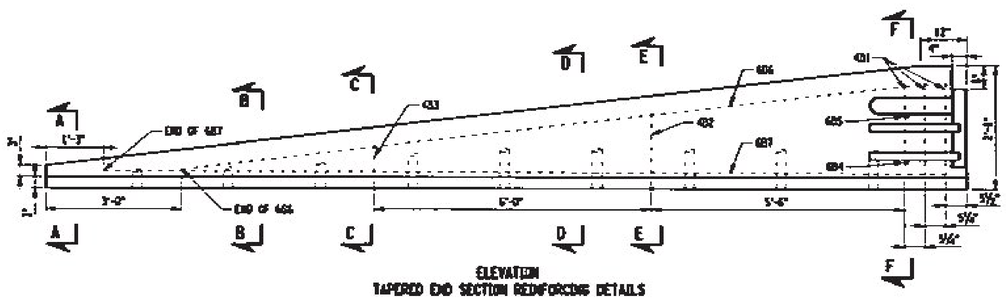
NOTES:

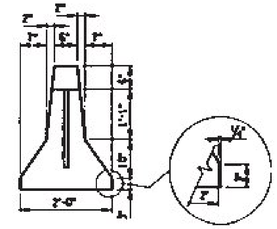
1. TEMPORARY CONCRETE BARRIER SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF §704-02, PRECAST CONCRETE BARRIER.
2. STEEL PLATE SHALL BE ASTM A36M, ASTM, GRADE 345, TUBE STEEL SHALL BE ASTM A500 GRADE B OR C, AND REINFORCING BARS SHALL BE A615 GRADE 420.
3. ALL WELDING SHALL BE PERFORMED BY A QUALIFIED WELDER IN ACCORDANCE WITH SECTION 6 OF THE NYS STEEL CONSTRUCTION MANUAL.
4. SURFACES TO BE WELDED SHALL BE FREE OF SLAG, DUST, MOISTURE, GREASE OR ANY OTHER MATERIAL THAT WILL PREVENT PROPER WELDING OR PRODUCE OBJECTIONABLE FUMES.
5. WELDING SHALL BE SHIELDED METAL ARC WELDING USING PROPERLY DRIED 5/32"Ø E7018 ELECTRODES CONFORMING TO THE REQUIREMENTS OF SECTION 7 OF THE NYS STEEL CONSTRUCTION MANUAL.
6. CONCRETE CLEAR COVER FOR REINFORCING BARS SHALL BE 1½" MIN EXCEPT WHERE OTHERWISE SPECIFIED.
7. A MINIMUM OF (2) TWO RECESSED LIFTING DEVICES, WITH THE CAPACITY TO LIFT A MASS OF 6 TONS MAXIMUM SHALL BE INSTALLED ON EACH SEGMENT.
8. 1"Ø ASTM A36M ANCHOR PINS SHALL BE PLACED IN FOUR RECESSES OF EACH SEGMENT TO BE PINNED.
9. CONNECTION KEY COVER PLATE SHALL BE INSTALLED FLUSH WITH THE BARRIER TOP.
10. THE DETAILS SHOWN FOR THE END SECTIONS ON THIS SHEET ARE FOR APPROACH ENDS WHICH ARE TO BE LOCATED TO THE LEFT OF THE TRAFFIC FLOW ON ONE-WAY OPERATIONS OR BETWEEN OPPOSING FLOWS OF TRAFFIC ON TWO-WAY OPERATIONS. WHEN AN APPROACH END IS TO BE LOCATED TO THE RIGHT OF THE TRAFFIC FLOW, THE END SEGMENT SHALL BE CONSTRUCTED SO THAT IT IS OPPOSITE-HAND REVERSED IN ALL CONFIGURATIONS, ANCHOR HOLE LOCATIONS AND REINFORCEMENTS.
11. ALL CORNERS ON THE TOP OF THE SEGMENT SHALL BE ROUNDED TO A 1" RADIUS. THE SEGMENT SHALL HAVE A SMOOTH TRANSITION TO A 6" END-OF-SECTION HEIGHT. ALL END SECTIONS SHALL BE PINNED UNLESS OTHERWISE NOTED.



PLAN

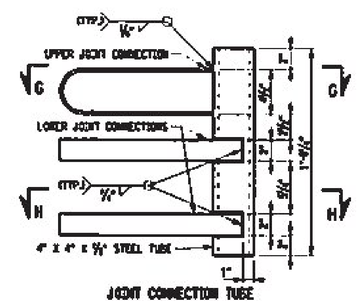


ELEVATION
TAPERED END SECTION REINFORCING DETAILS

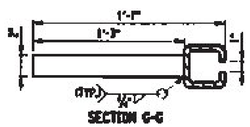


END VIEW

OPTIONAL BATTERED BOTTOM CORNER DETAIL



JOINT CONNECTION TUBE



SECTION G-G

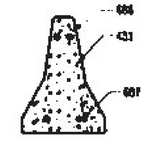
SECTION A-A

SECTION B-B

SECTION C-C

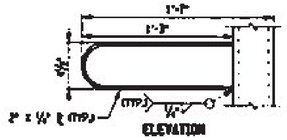
SECTION D-D

SECTION E-E

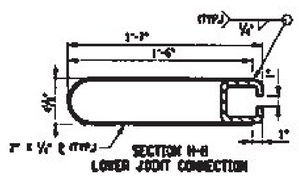


SECTION F-F

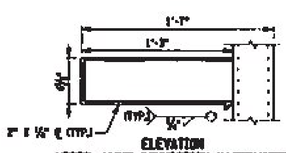
TRANSITION SECTIONS



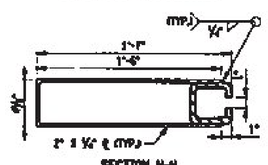
ELEVATION



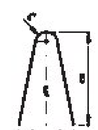
SECTION H-H
LOWER JOINT CONNECTION

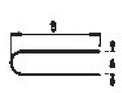


ELEVATION
UPPER JOINT CONNECTION (ALTERNATE)



SECTION H-H
LOWER JOINT CONNECTION (ALTERNATE)


TYPE "I" BAR


TYPE "U" BAR

TAPERED END SECTION BAR LIST

MARK	SIZE	NUMBER PER SECTION	LENGTH	TYPE	A	B	C	LOCATION
431	13	3	9'-11"	I	5"	78"	5"	STIRRUPS
432	13	1	5'-3"	I	5"	18"	5"	STIRRUPS
433	13	1	1'-4"	I	5"	8"	5"	STIRRUPS
434	13	4	3'-1"	U	4"	15¾"		HOOPS
484	13	1	1'-3"	STR.				
485	13	1	6"	STR.				
486	13	2	15'-7"	STR.				TRANSVERSE (TOP)
487	13	2	18'-2"	STR.				TRANSVERSE (BOTTOM)

EFFECTIVE DATE: 01/07/10

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

TEMPORARY CONCRETE BARRIER
(SHEET 2 OF 3)

APPROVED SEPTEMBER 30, 2009
/S/ J. F. RYAN, P.E.
DEPUTY DIR OF DESIGN CONSTRUCTION

ISSUED UNDER EO 09-01

619-01

FILE NAME = 619-01(2).DGN(TS-07)
DATE/TIME = 18-SEP-2009 14:07
USER = rdahm