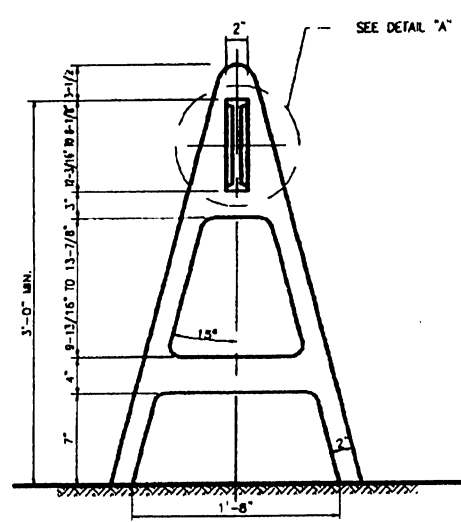
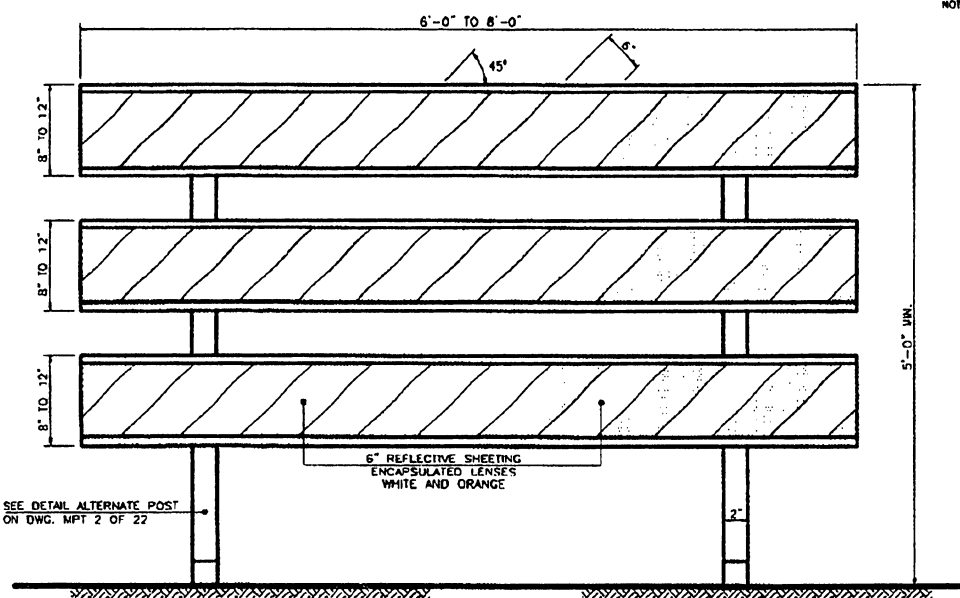


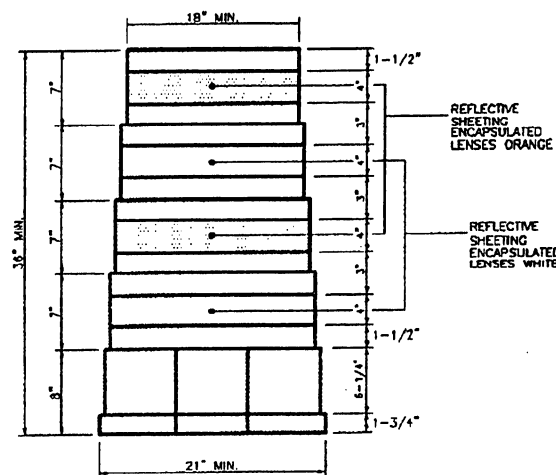
TYPE I BARRICADE
NOT TO SCALE



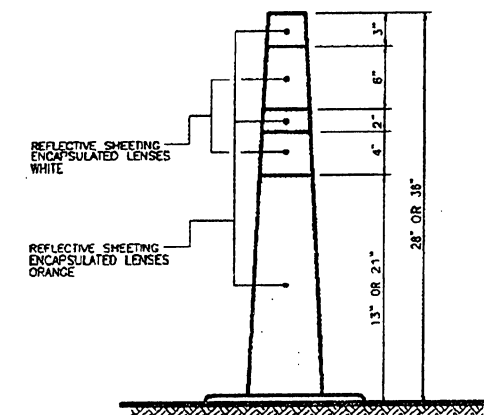
TYPE II BARRICADE
NOT TO SCALE



TYPE III BARRICADE
NOT TO SCALE



REFLECTORIZED PLASTIC DRUM
NOT TO SCALE



CONE
SCALE: 1/2"=1'-0"

GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES AND TRAFFIC CONTROL OPERATIONS SHALL BE IN ACCORDANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION, REVISION 3 OF SEPTEMBER 3, 1993 AS MODIFIED BY THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY.
- STRIPES ON BARRICADE SHALL BE 6 INCHES WIDE, EXCEPT WHERE RAIL LENGTHS ARE LESS THAN 36 INCHES, WHEN 4 INCH WIDE STRIPES MAY BE USED.
- DRUMS FOR TRAFFIC WARNING OR CHANNELIZATION SHALL BE CONIC ROUND OR WITH A SQUARE SECTION, APPROXIMATELY 36" IN HEIGHT AND A MINIMUM OF 18" IN DIAMETER OR 18" SQUARE AT THE TOP. THE MARKINGS ON DRUMS SHALL BE HORIZONTAL AND IN THE TOTAL PERIMETER OF THE DEVICE.
- THERE SHALL BE TWO 4" ORANGE AND TWO 4" WHITE REFLECTIVE SHEETING STRIPES ON EACH DRUM. NONREFLECTORIZED SPACES SHALL BE ORANGE.
- REFLECTIVE SHEETING FOR USE ON PLASTIC REBOUNDABLE DEVICES SUCH AS DRUMS AND FLEXIBLE DELINEATORS POSTS, SHALL HAVE SUFFICIENT ELONGATION CAPABILITY TO RESIST REPEATED IMPACTING AND REBOUNDING CYCLES WITHOUT CRACKING OR LOSING ADHESION.
- DRUMS, CONES AND BARRICADES SHALL BE CONSTRUCTED OF PLASTIC.
- DRUMS, BARRICADES AND CONES SHALL REMAIN UPRIGHT AS DESIGNED.
- ALL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AS A SUBSIDIARY OBLIGATION WITH WATER OR SAND BALLAST OR OTHER APPROVED DEVICES WHICH WILL PREVENT THEM FROM BEING BLOWN AWAY BY THE DRAFTS CAUSED BY PASSING TRAFFIC.
- ALL TRAFFIC CHANNELIZING DEVICES FOR EACH PROJECT SHALL BE OF UNIFORM CONSTRUCTION AND APPEARANCE.
- CONES SHALL BE 36" IN HEIGHT, EXCEPT WHEN USED FOR PAVEMENT MARKING IT SHALL BE 28".
- ALL TRAFFIC CONTROL DEVICES SHALL BE CLEANED, REPAINTED, REFLECTORIZED OR REPLACED AS NECESSARY TO PROVIDE ADEQUATE VISIBILITY AND LEGIBILITY AT ALL TIMES.
- TRAFFIC CONTROL DEVICES MANUFACTURED WITH SUBSTANTIALLY SIMILAR DIMENSIONS WOULD BE ACCEPTABLE SUBJECT TO THE APPROVAL OF THE P.R.H.T.A.
- REFLECTIVE SHEETING USED ON ALL SIGNS AND TRAFFIC CONTROL DEVICES EITHER TEMPORARY OR PERMANENT, SHALL CONFORM TO ASTM D4956, TYPE III. FOR PERMANENT INSTALLATIONS, THE BACKING SHALL BE CLASS 1 OR 2.
- ALL TRAFFIC CHANNELIZING DEVICES SHALL COMPLY WITH NCHRP 350. IT SHALL BE THE CONTRACTOR AND VENDORS RESPONSIBILITY TO CERTIFY THAT THEIR PRODUCT IS CRASHWORTHY. ARROW PANELS ARE EXCEPTED.
- REFLECTIVE SHEETING FROM DIFFERENT MANUFACTURERS SHALL NOT BE MIXED WITHIN THE SAME SIGN PANEL. SIGN PANELS FABRICATED WITH REFLECTIVE SHEETING FROM DIFFERENT MANUFACTURERS SHALL NOT BE MIXED WITHIN THE SAME SIGN SUPPORT.

IMPORTANT NOTE:

THESE STANDARD DRAWINGS PROVIDE FOR THE DESIGN OF TRAFFIC CONTROL DEVICES FOR USE IN THE MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION. HOWEVER, THE DECISION TO USE A PARTICULAR DEVICE AT A PARTICULAR LOCATION SHOULD BE BASED ON AN ENGINEERING STUDY OF THE LOCATION AND THE APPLICATION OF ENGINEERING JUDGEMENT BY THOSE RESPONSIBLE FOR THE WORK. THESE DRAWINGS ARE INTENDED TO PROVIDE STANDARDS FOR TRAFFIC CONTROL DEVICES BUT NOT AS LEGAL REQUIREMENT FOR THEIR INSTALLATION.

EFFECTIVE DATE: OCTOBER 2000

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

MAINTENANCE AND PROTECTION OF TRAFFIC CHANNELIZING DEVICES

RECOMMENDED BY:
[Signature]
DEPUTY EXC. DIR. FOR TRAFFIC AND TOLL ROADS
DATE: 2-28-00

APPROVED BY:
[Signature]
EXECUTIVE DIRECTOR
DATE: 2-28-00

DATE	REVISION	BY
12-9-98	GENERAL NOTE #8	I.V.
12-1999	GENERAL NOTE #14	I.V.
09-2000	ADDED NOTE #15	I.V.

STD. DWG. 1 OF 22