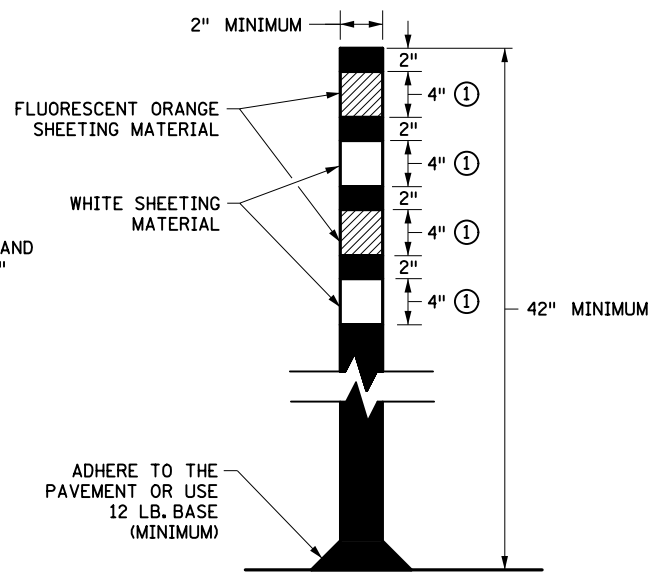
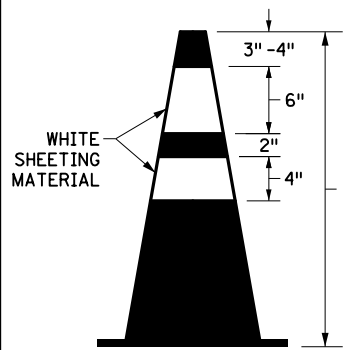


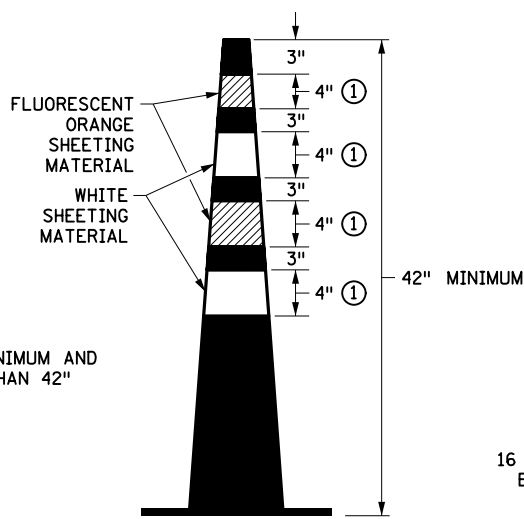
TUBULAR MARKER
≥36" TO <42"



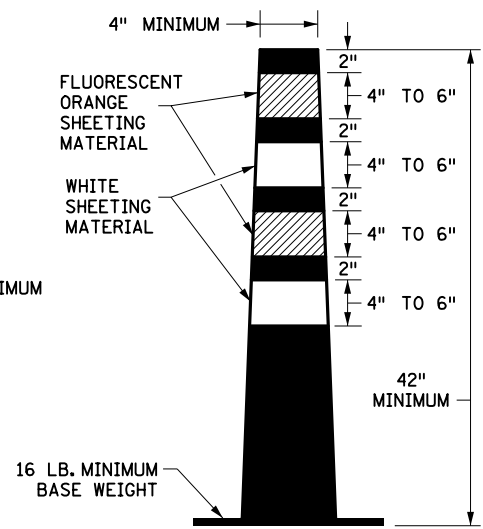
TUBULAR MARKER
42" OR TALLER



CONE
≥28" TO <42"



CONE
42" OR TALLER




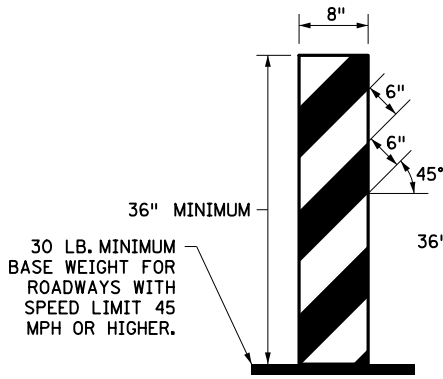
WEIGHTED CHANNELIZER ②

NOTES:

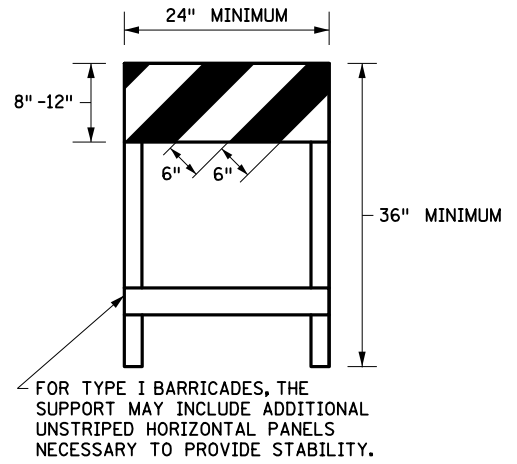
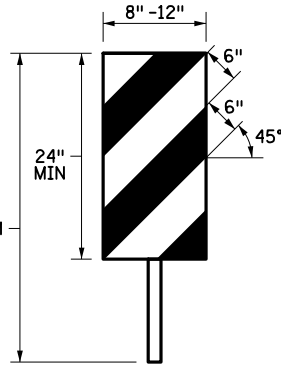
- ALL CHANNELIZERS MUST MEET MnDOT CRASHWORTHY COMPLIANCE REQUIREMENTS.
- WEIGHTED CHANNELIZERS MUST BE MADE OF PREDOMINATELY ORANGE, LIGHTWEIGHT, DEFORMABLE MATERIALS.
- CONES AND TUBULAR MARKERS MUST BE MADE OF A PREDOMINATELY ORANGE MATERIAL.
- THE SHEETING MATERIALS APPROVED/QUALIFIED PRODUCTS LIST (APL/QPL) SHOWS ALLOWED CHANNELIZER SHEETING AS INDICATED BELOW:
 - FOR TUBULAR MARKERS, USE SHEETING FROM THE TUBE DELINEATOR SHEETING APL/QPL.
 - FOR WEIGHTED CHANNELIZERS, USE SHEETING FROM THE DRUM AND WEIGHTED CHANNELIZER SHEETING APL/QPL.
 - FOR CONES, USE SHEETING FROM THE TRAFFIC CONE SHEETING APL/QPL.

① 5" OR 6" ALLOWED FOR ADDED CONSPICUITY.
 ② WEIGHTED CHANNELIZER SHAPE MUST BE CONICAL.

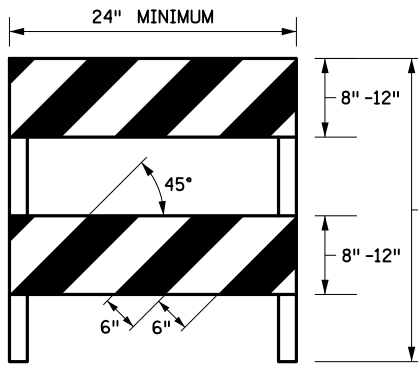
APPROVED <u>05-14-2021</u>  STATE DESIGN ENGINEER	STATE OF MINNESOTA DEPARTMENT OF TRANSPORTATION TEMPORARY CHANNELIZERS TYPE A	SPECIFICATION REFERENCE 1710 2563	STANDARD PLATE NO. 8000K 1 OF 3
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VERTICAL PANEL
FREESTANDING OR POST-MOUNTED

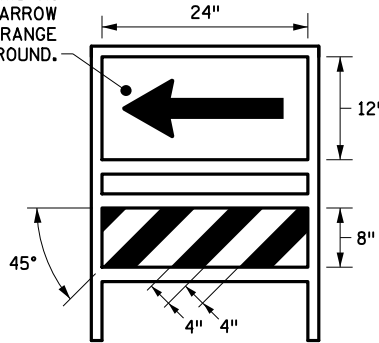


TYPE I BARRICADE

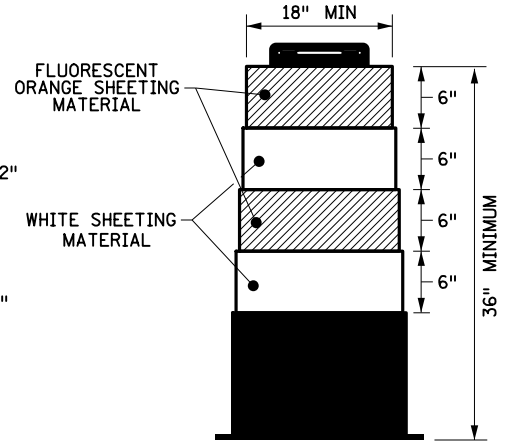


TYPE II BARRICADE

ONE-DIRECTION
LARGE ARROW
SIGN (W1-6).
BLACK ARROW
ON ORANGE
BACKGROUND.



DIRECTION INDICATOR
BARRICADE



DRUM

NOTES:

ALL CHANNELIZERS MUST MEET MNDOT CRASHWORTHY COMPLIANCE REQUIREMENTS.

ALL TYPE B CHANNELIZERS MUST HAVE A MINIMUM OF 270 SQUARE INCHES OF RETROREFLECTIVE SHEETING ON THE SIDE FACING ROAD USERS.

PLACE ALL PANELS WITH RETROREFLECTIVE SHEETING PERPENDICULAR TO THE ROADWAY.

DRUMS MUST BE MADE OF PREDOMINANTLY ORANGE, LIGHTWEIGHT, DEFORMABLE MATERIALS.

STRIPES ON BARRICADE RAILS AND VERTICAL PANELS MUST BE ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS. BARRICADES AND VERTICAL PANELS WITH STRIPES WHICH BEGIN AT THE UPPER RIGHT SIDE AND SLOPE DOWNWARD TO THE LEFT LOWER SIDE ARE DESIGNATED AS "RIGHT" (R) BARRICADES AND VERTICAL PANELS. BARRICADES AND VERTICAL PANELS WITH STRIPES WHICH BEGIN AT THE UPPER LEFT SIDE AND SLOPE DOWNWARD TO THE RIGHT LOWER SIDE ARE DESIGNATED AS "LEFT" (L) BARRICADES AND VERTICAL PANELS. BARRICADE SHEETING, PROPERLY ORIENTED (R OR L) SHALL BE APPLIED TO ANY BARRICADE RAIL BOARD THAT FACES ROAD USERS.

THE SHEETING MATERIALS APPROVED/QUALIFIED PRODUCTS LIST (APL/QPL) SHOWS THE ALLOWED CHANNELIZER SHEETING AS INDICATED BELOW:

-FOR BARRICADE RAILS (INCLUDING THAT ON THE DIRECTION INDICATOR BARRICADE) AND VERTICAL PANELS, USE SHEETING FROM THE BARRICADE SHEETING APL/QPL.

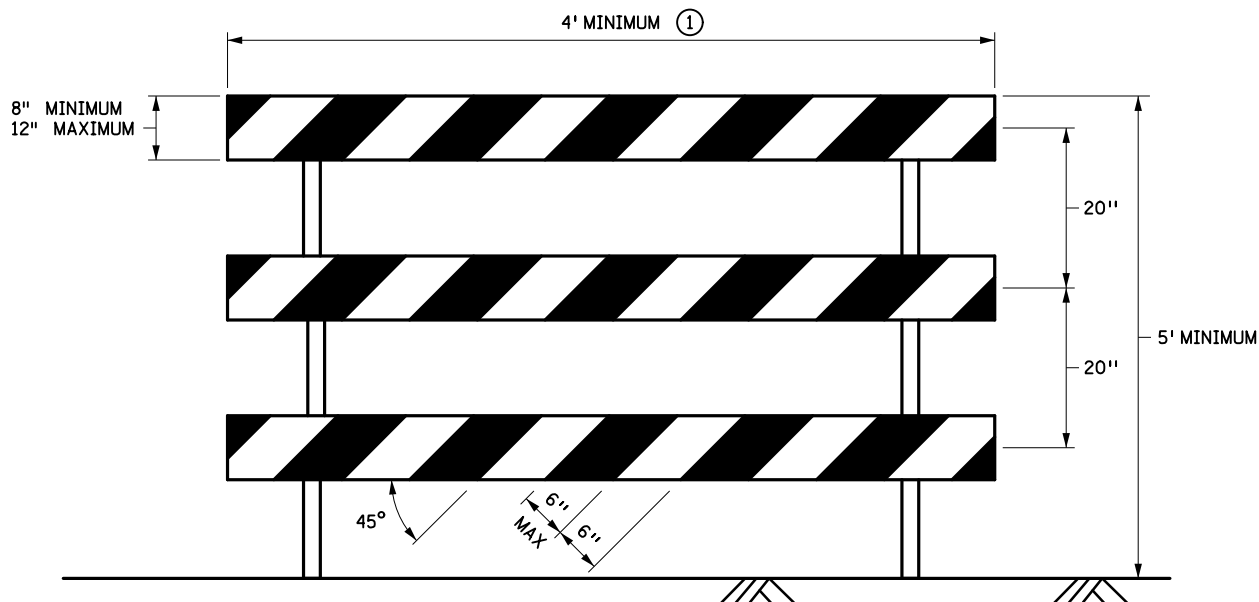
-FOR DRUMS, USE SHEETING FROM THE DRUM AND WEIGHTED CHANNELIZER SHEETING APL/QPL.

APPROVED 05-14-2021
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STATE DESIGN ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
TEMPORARY CHANNELIZERS
TYPE B

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TYPE III BARRICADE
R IS SHOWN

NOTES:

ALL CHANNELIZERS MUST MEET MNDOT CRASHWORTHY COMPLIANCE REQUIREMENTS.


ALL PANELS WITH RETROREFLECTIVE SHEETING MUST BE PLACED PERPENDICULAR TO THE ROADWAY.

STRIPES ON BARRICADE RAILS SHALL BE ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS. BARRICADES WITH STRIPES WHICH BEGIN AT THE UPPER RIGHT SIDE AND SLOPE DOWNWARD TO THE LOWER LEFT SIDE ARE DESIGNATED AS "RIGHT" (R) BARRICADES. BARRICADES WITH STRIPES WHICH BEGIN AT THE UPPER LEFT SIDE AND SLOPE DOWNWARD TO THE LOWER RIGHT SIDE ARE DESIGNATED AS "LEFT" (L) BARRICADES. PROPERLY-ORIENTED (R OR L) BARRICADE SHEETING SHALL BE APPLIED TO ANY BARRICADE RAIL BOARD WHICH FACES ROAD USERS.

ALLOWED CHANNELIZER SHEETING IS SHOWN ON THE SHEETING MATERIALS APPROVED/QUALIFIED PRODUCTS LIST (APL/QPL). FOR BARRICADE RAILS, USE SHEETING FROM THE BARRICADE SHEETING APL/QPL.

DO NOT MOUNT SIGNS ON TYPE III BARRICADES THAT COVER MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS.

① ON CONSTRUCTION PROJECTS, UNLESS OTHERWISE SPECIFIED BY THE CONTRACT PROVISIONS OR REGULATIONS, TYPE III BARRICADES FURNISHED BY THE CONTRACTOR MUST HAVE BARRICADE RAILS AT LEAST 6' LONG.

APPROVED 05-14-2021

 STATE DESIGN ENGINEER

STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY CHANNELIZERS
 TYPE C

SPECIFICATION
 REFERENCE
 1710
 2563

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