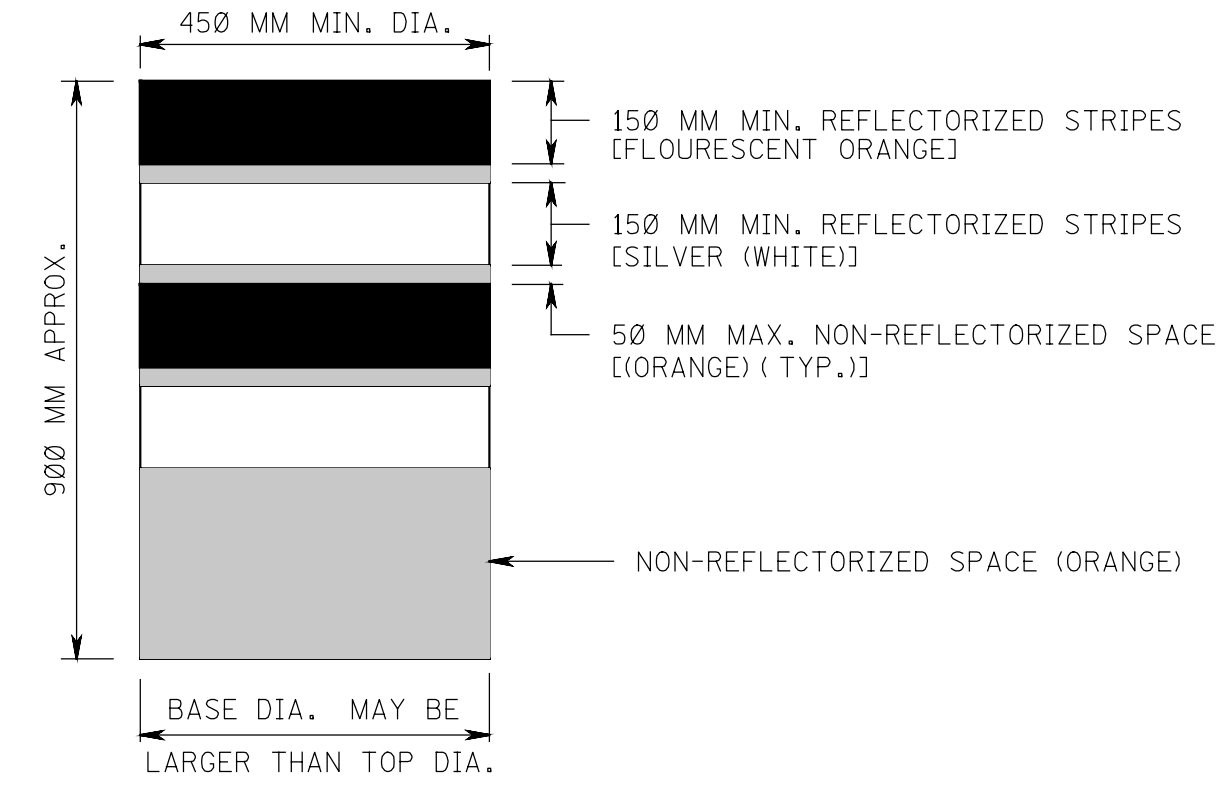
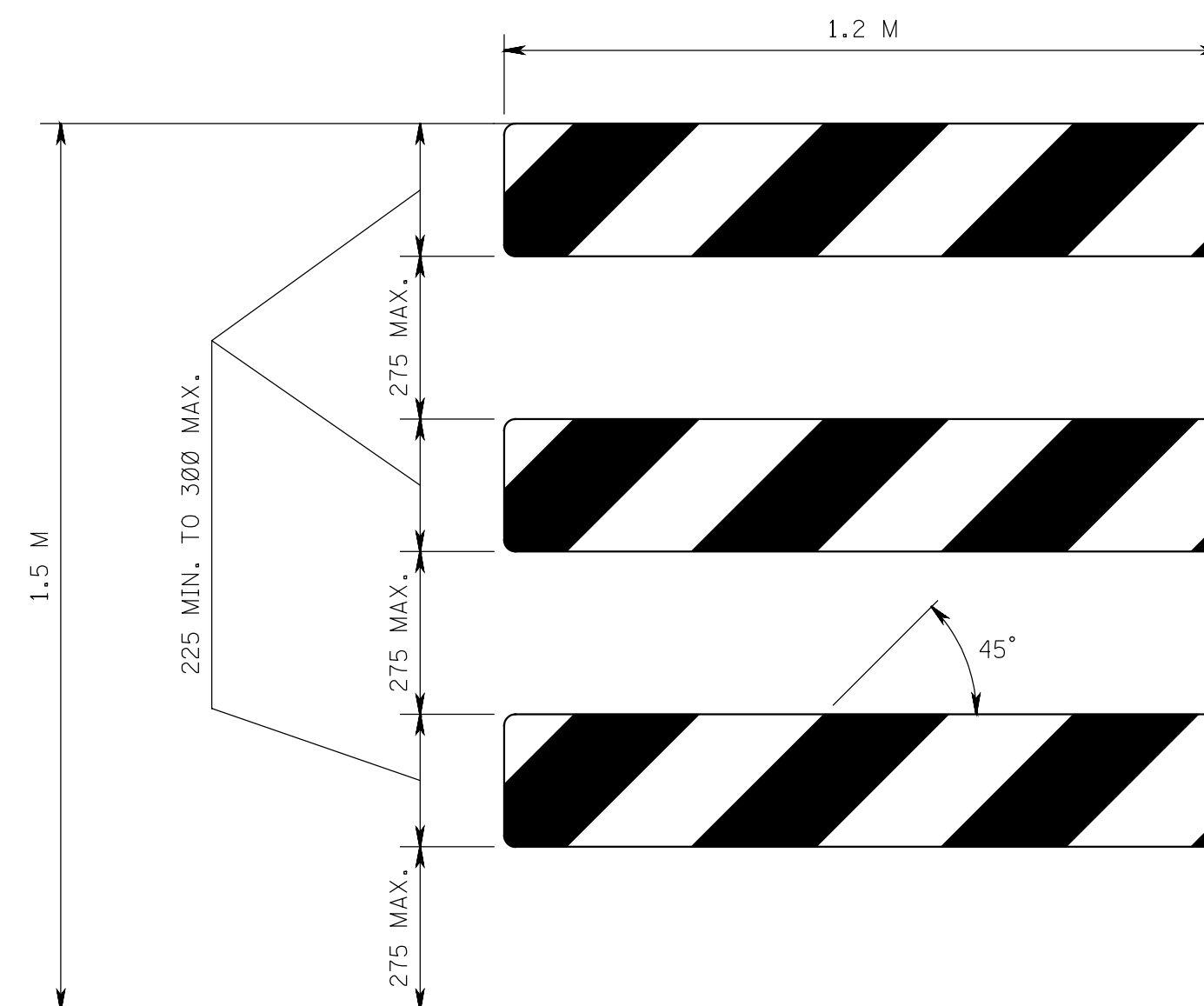


THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES REGARDLESS OF ORIENTATION, MAY BE USED IF APPROVED BY THE ENGINEER.

DRUMS

CD-617-1.1



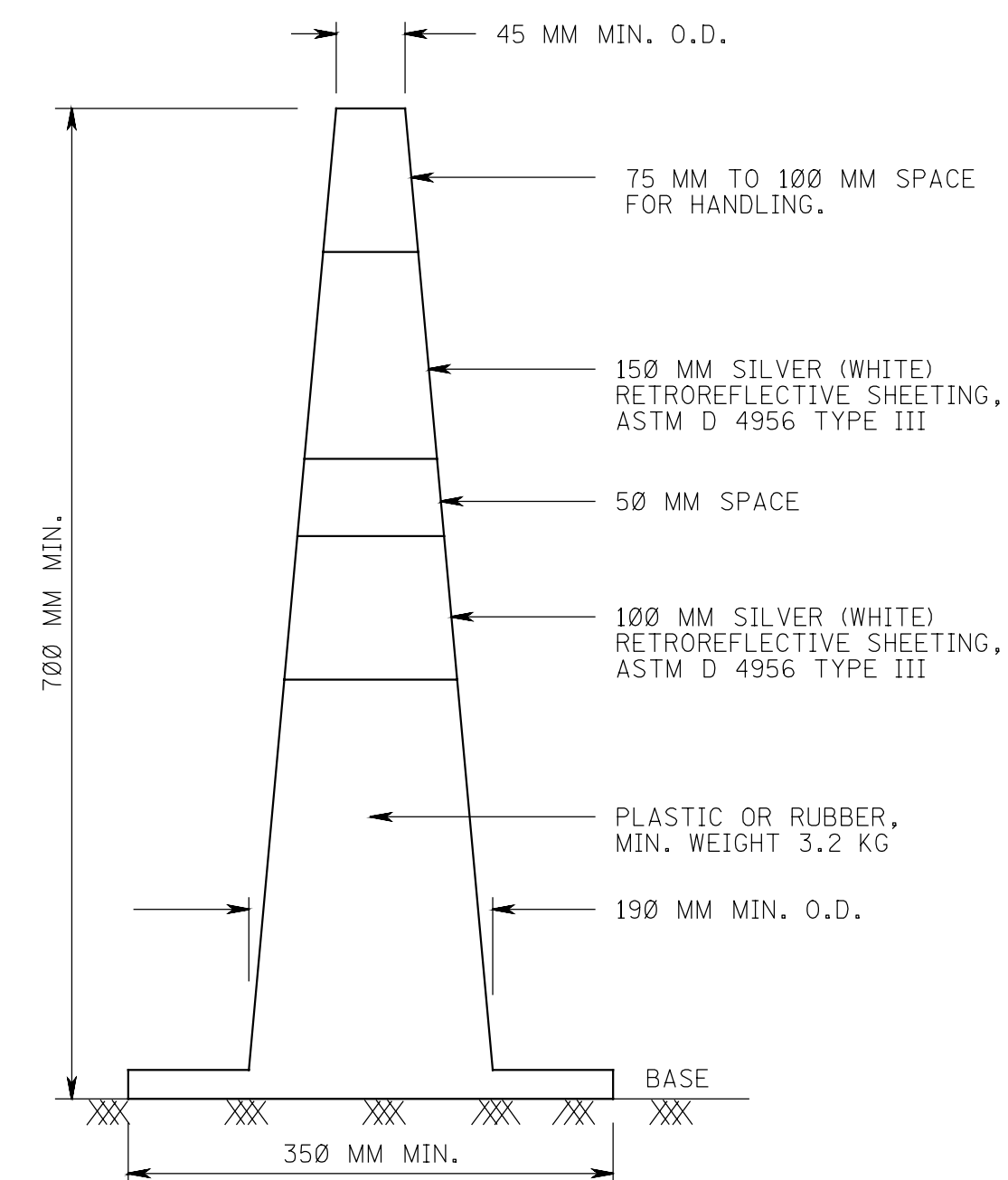
TYPE III BARRICADE - FRONT VIEW

NOTES:

1. THE 225 x 1 200 MM, OR 300 MM MAX. x 1 200 MM BARRICADE RAILS SHALL BE FABRICATED FROM 3 MM MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 25 MM NO. 14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.
2. ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, ASTM D 4956 TYPE III, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 150 MM WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
3. IF NECESSARY, THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
4. THE FRAMING FOR BARRICADE PANELS SHALL BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED. SEE SPECIFICATION SUBSECTION 617.03.

## BREAKAWAY BARRICADES

TRAFFIC CONES SHALL BE PREDOMINATELY ORANGE IN COLOR.



BASES MAY BE OF BREAKAWAY BALLASTED TYPE.

MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE  
UPON APPROVAL OF THE ENGINEER.

TRAFFIC CONES

CD-617-1.2

NOTE: ALL DIMENSIONS SHOWN ON THIS SHEET ARE  
IN MILLIMETERS UNLESS OTHERWISE NOTED.

## TRAFFIC CONTROL DEVICES

N.T.S.

CD-617-1

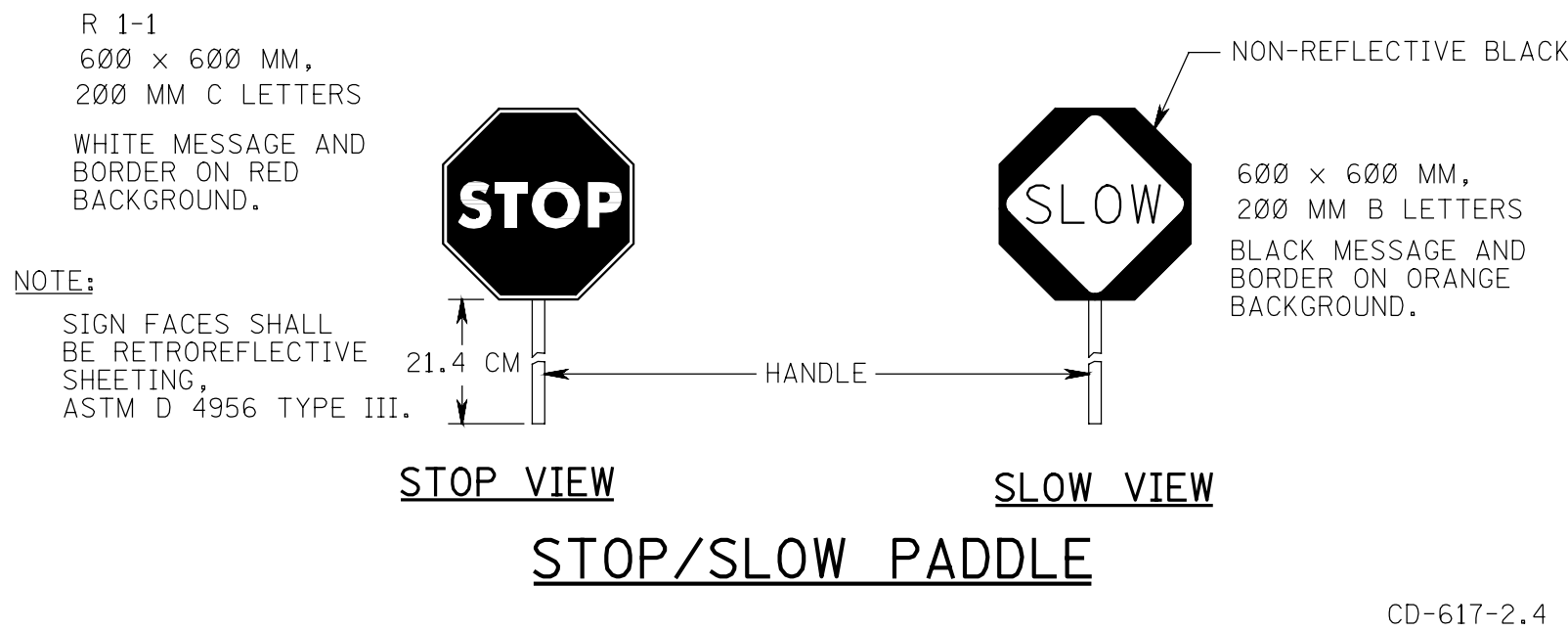
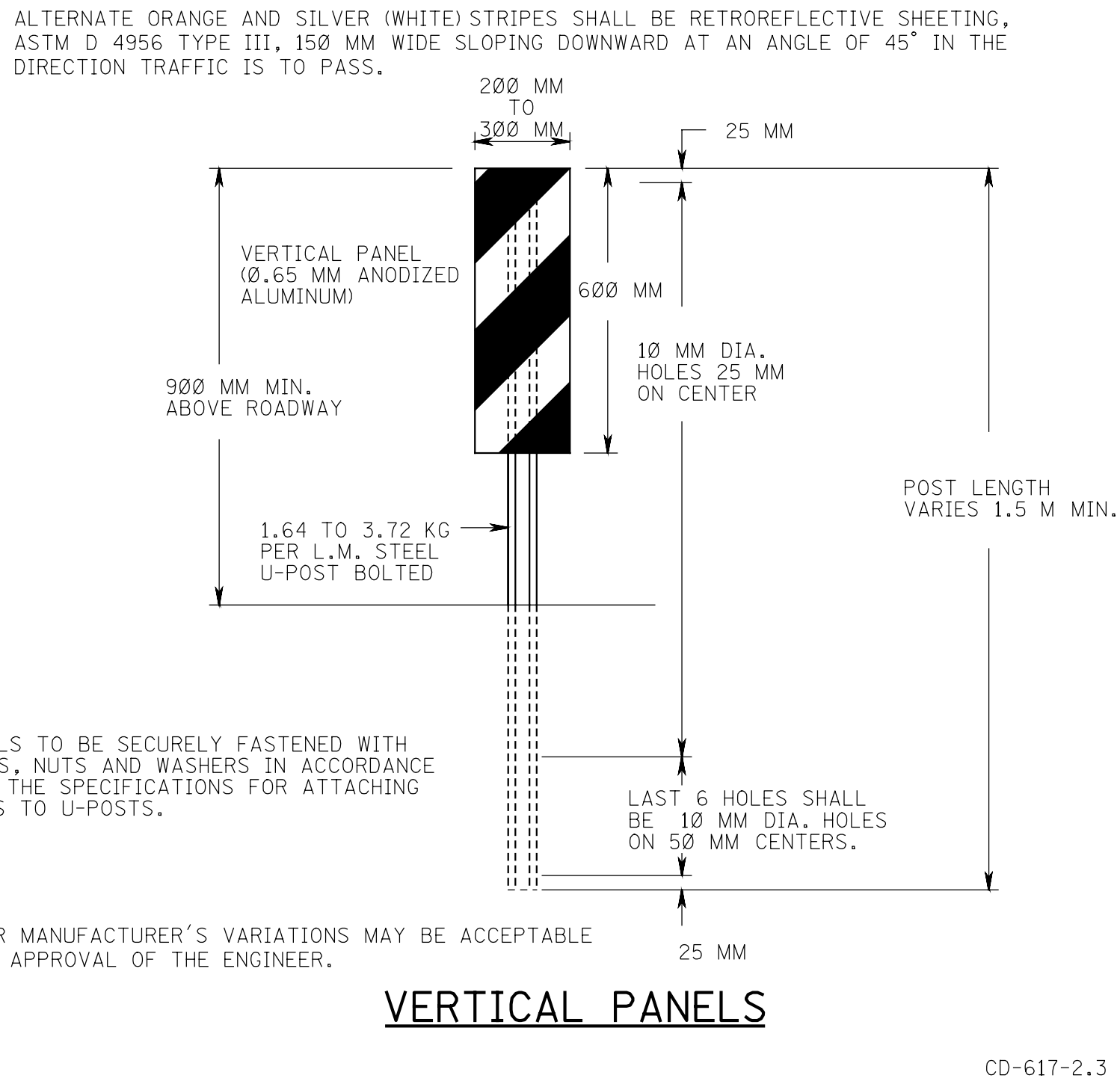
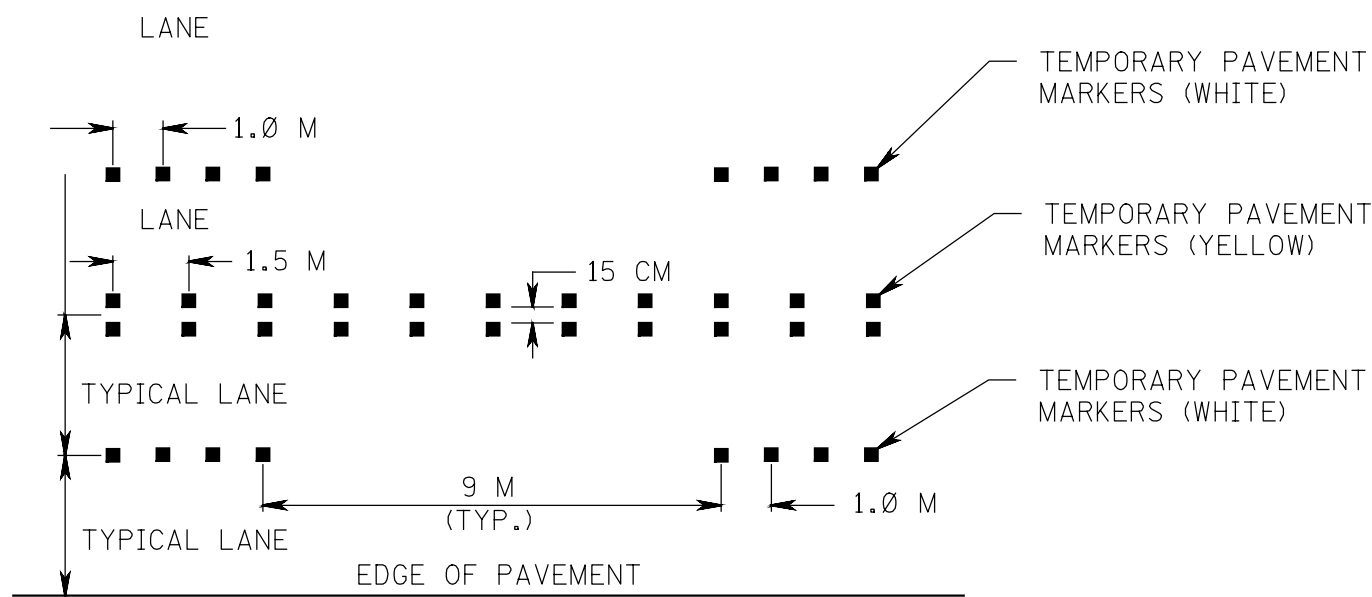
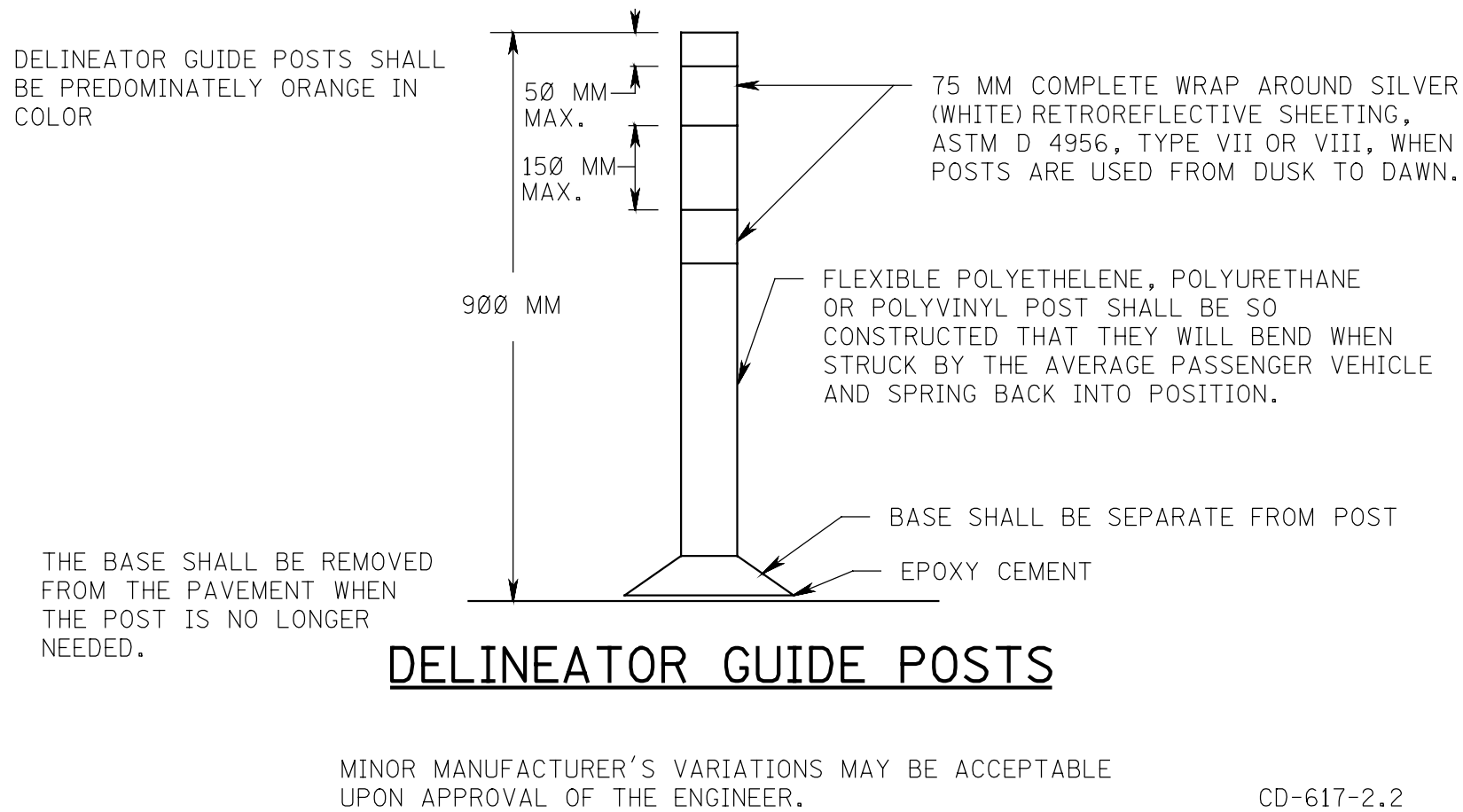
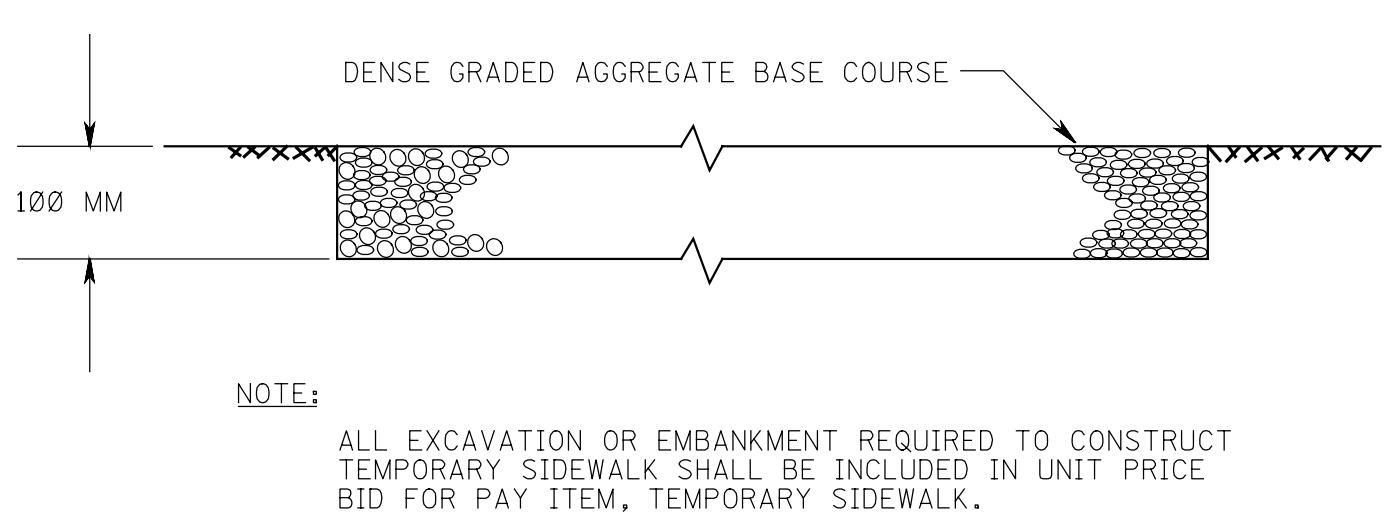
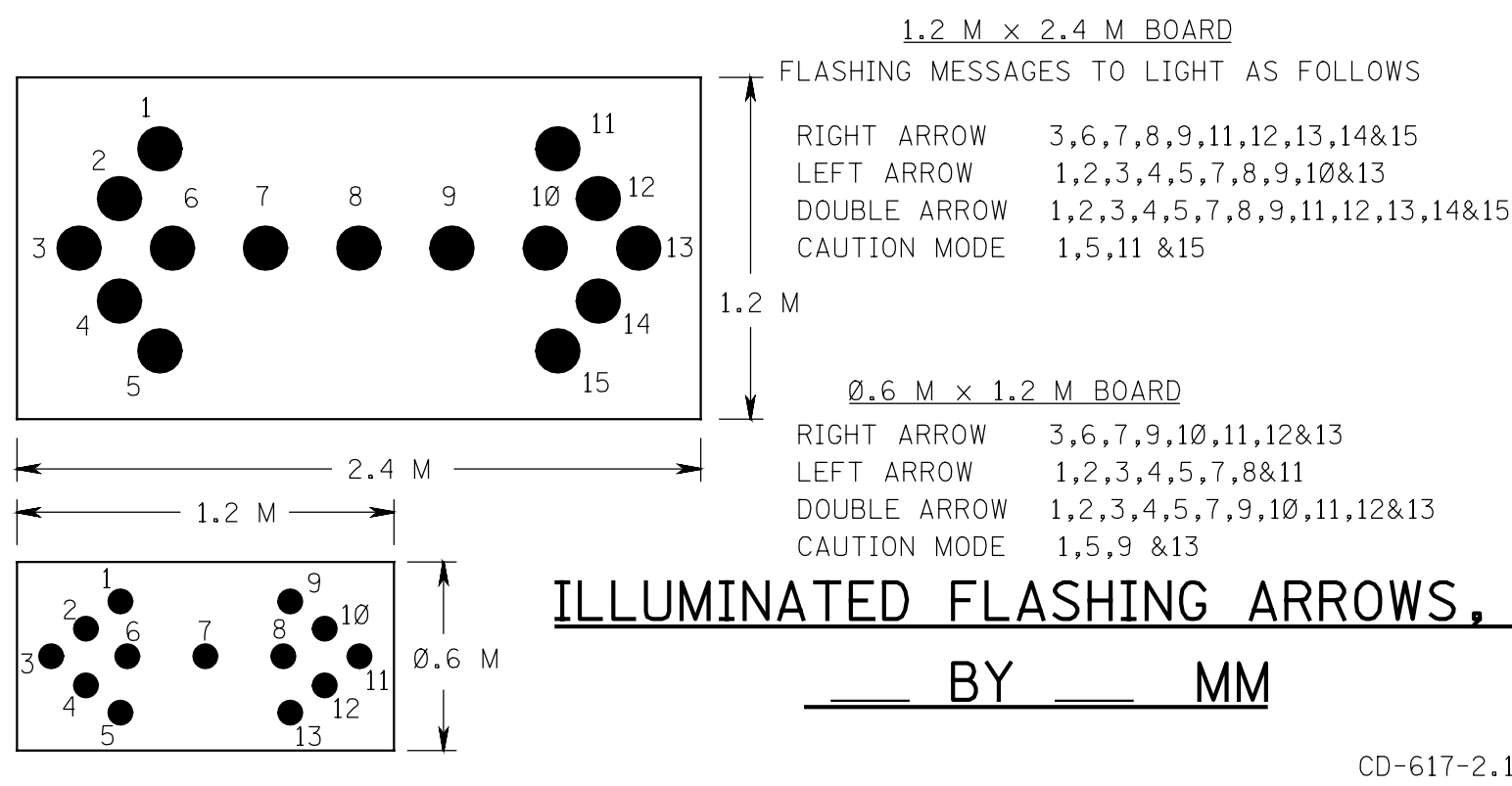
NEW JERSEY DEPARTMENT OF TRANSPORTATION

## CONSTRUCTION DETAILS

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**TRAFFIC CONTROL DEVICES  
AND DETAILS**

N.T.S.

CD-617-2

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**

NOTE: ALL DIMENSIONS SHOWN ON THIS SHEET ARE  
IN MILLIMETERS UNLESS OTHERWISE NOTED.




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RETROREFLECTIVE SHEETING

ORIGINAL SHEET

EXIT



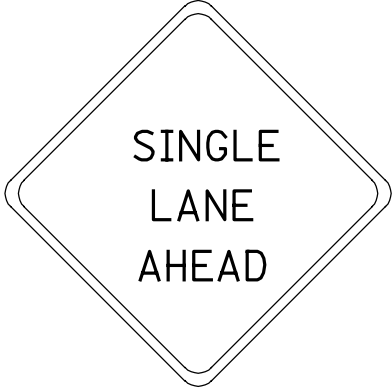
E5 - 1  
1 500 x 1 200 MM  
(1.8 S.M.)

EXIT

500 FT

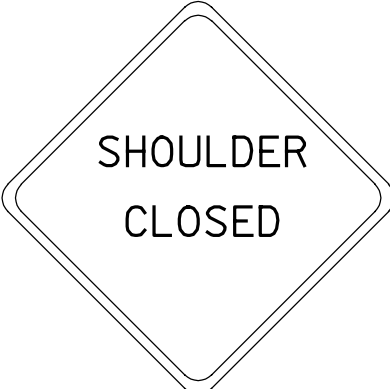
W50 - 1C  
1 500 x 1 200 MM  
(1.8 S.M.)

SINGLE  
LANE  
AHEAD




W20 - 4F(M)  
1 200 x 1 200 MM  
(1.4 S.M.)

SHOULDER  
CLOSED



W20 - 10(G)  
1 200 x 1 200 MM  
(1.4 S.M.)



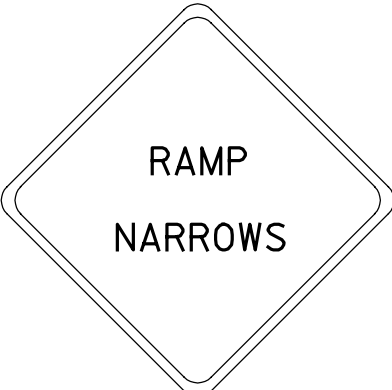
W9 - 3 a  
1 200 x 1 200 MM  
(1.4 SM)

ALL EXITING  
TRAFFIC  
KEEP RIGHT



W(NJ)100 - 1(L OR R)  
1 200 x 1 200 MM  
(1.4 SM)

RAMP  
NARROWS



W5-4  
1 200 x 1 200 MM  
(1.4 SM)

TRAFFIC FINES  
DOUBLED  
IN WORK AREA

12 MM WHITE BORDER  
13 MM BLACK BORDER

75 MM  
150 MM C  
100 MM  
200 MM D  
100 MM  
150 MM C  
75 MM

1 500 MM

900 MM

NOTE:  
MESSAGE TO BE BLACK LETTERS  
ON WHITE REFLECTIVE BACKGROUND.  
R(NJ)5-17  
1 500 x 900 MM  
1.35 S.M.

TRAFFIC FINES  
DOUBLED  
IN WORK AREA

12 MM WHITE BORDER  
13 MM BLACK BORDER

60 MM  
125 MM C  
75 MM  
180 MM D  
75 MM  
125 MM C  
60 MM

1 200 MM

750 MM

NOTE:  
MESSAGE TO BE BLACK LETTERS  
ON WHITE REFLECTIVE BACKGROUND.  
R(NJ)5-17(S)  
1 200 x 750 MM  
0.90 S.M.

GENERAL NOTES:

- DIMENSIONS, COLORS AND DETAILS OF VARIOUS SIZE SIGNS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGN PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- (S) REPRESENTS A SPECIAL SIZE SIGN.
- LETTERS AND NUMERALS SHALL CONFORM TO THE CURRENT MANUAL, "STANDARD ALPHABETS FOR HIGHWAY SIGNS" U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER FOR THE DISTANCE TO BE USED ON THE ADVANCE WARNING SIGNS, AND FOR THE SPEED LIMIT TO BE USED ON THE R2-1 SIGN.

DISTANCE LEGEND	
SIGN NUMBER FOLLOWED BY	
LETTER	DISTANCE
A	1500'
B	1000'
C	500'
D	___ MILE
E	___ MILES AHEAD
F	AHEAD

BACKING MATERIAL

- ALUMINUM SHALL BE FLAT SHEET OF ALLOY 5052-H38 OR 6061-T6 ALLOY, 2.5 MM THICK.

TEMPORARY SIGN SUPPORTS

- SIGN SUPPORTS SHALL BE OF WELL SEASONED LUMBER, S4S, FREE OF SPLITS, KNOTS AND WARPS OR, OF STEEL COMPONENTS.
- WOOD POSTS SHALL HAVE A UNIFORM CROSS-SECTION AND SHALL NOT EXCEED THE FOLLOWING DIMENSIONS FOR:

SINGLE POST = 100 x 150 MM ;

TWO POSTS = 75 x 150 MM OR  
100 x 125 MM ;

THREE POSTS = 75 x 125 MM OR  
100 x 100 MM

100 x 150 MM WOOD POSTS SHALL BE MODIFIED BY DRILLING 40 MM DIAMETER HOLES 100 MM AND 450 MM ABOVE THE GROUND LINE AND PERPENDICULAR TO THE ROADWAY CENTERLINE.

- NO BRACING IS PERMITTED. VERTICAL CLEARANCES FOR SIGNS MOUNTED ON WOOD SUPPORTS SHALL BE 2.1 M MINIMUM. EMBEDMENT DEPTH FOR THE WOOD POST SHALL NOT EXCEED 1.0 M.
- STEEL POSTS SHALL BE IN ACCORDANCE WITH THE STANDARD DETAIL FOR U-POST SIGN SUPPORT.
- TEMPORARY SIGN SUPPORTS NOT MEETING THIS CRITERIA SHALL BE SHIELDED BY A LONGITUDINAL BARRIER OR CRASH CUSHIONS.

SIGN FACES

- SIGN FACES SHALL BE ASTM D 4956 TYPE VII OR VIII FLUORESCENT ORANGE SHEETING.

FASTENING

- ALL SIGNS SHALL BE SECURELY FASTENED TO THEIR SUPPORTS WITH BOLTS, NUTS AND WASHERS IN ACCORDANCE WITH THE SPECIFICATIONS.

CONSTRUCTION SIGNS

N.T.S.

CD-617-7

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-617-7.1

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