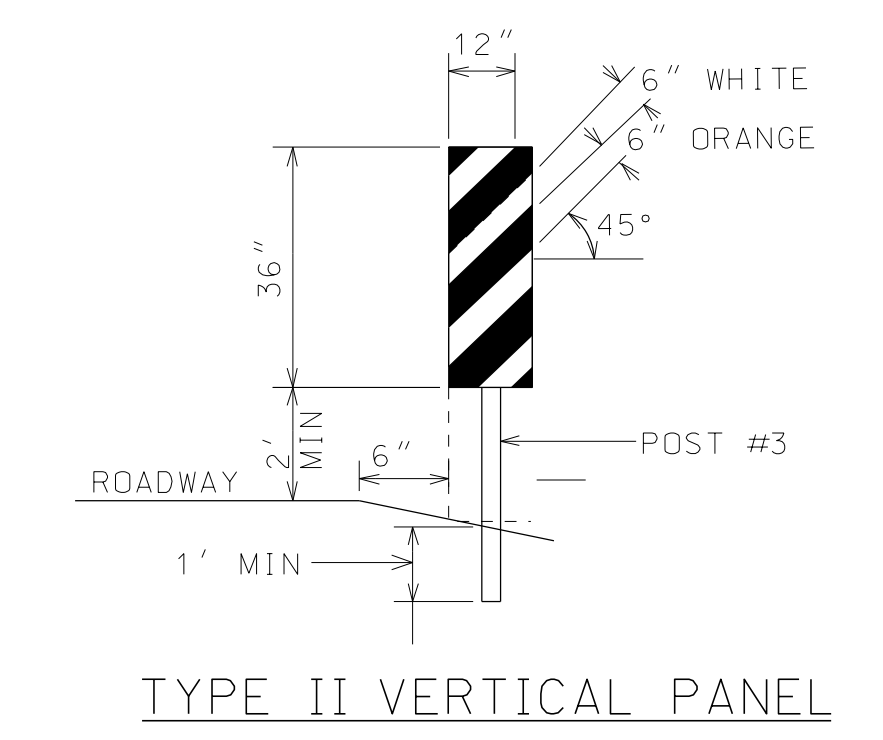
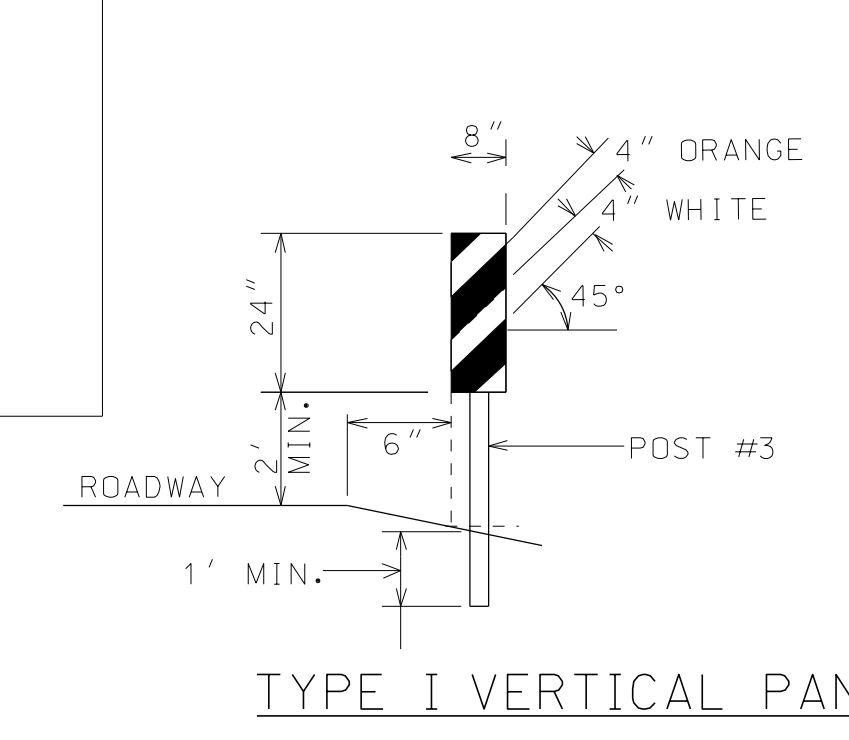
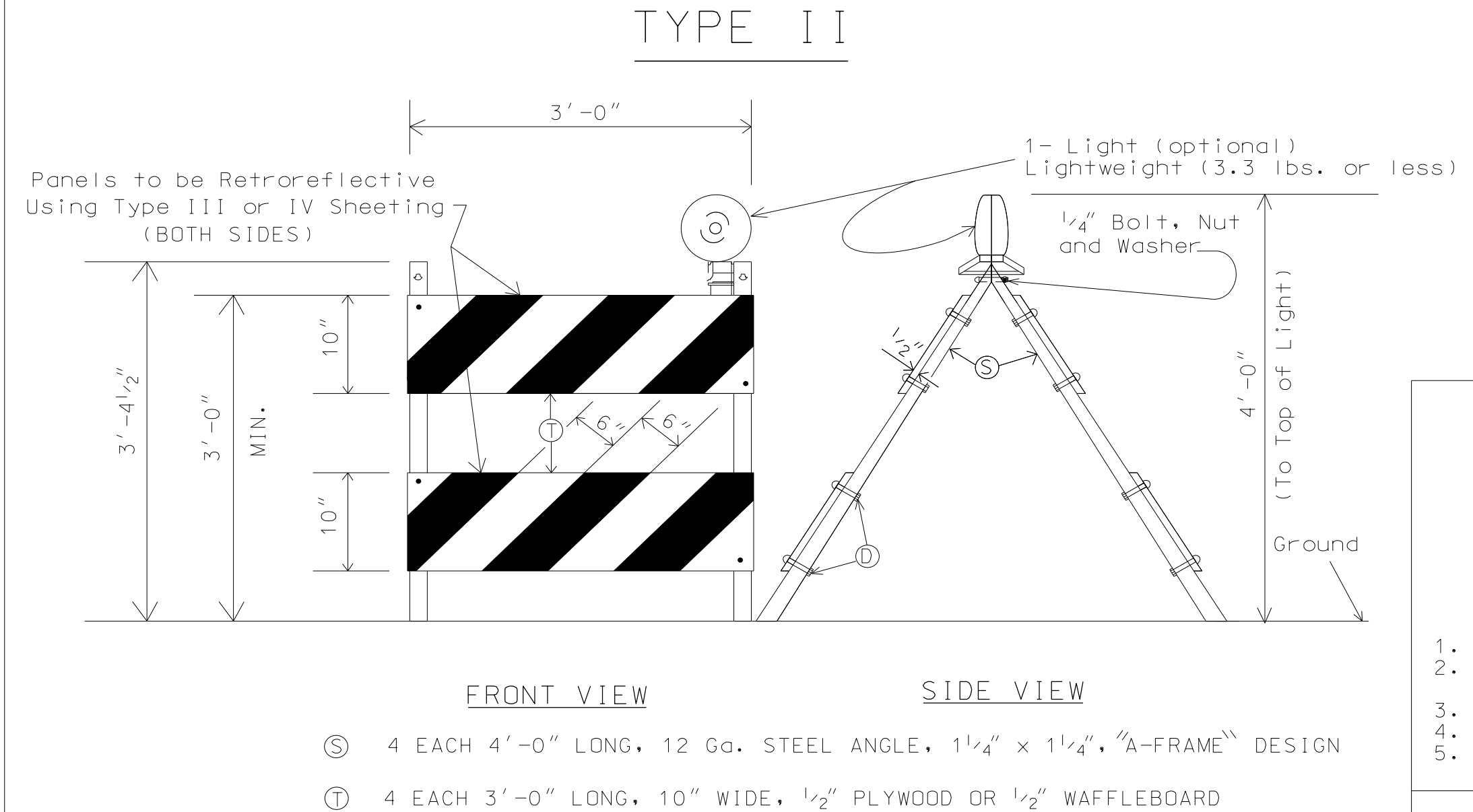
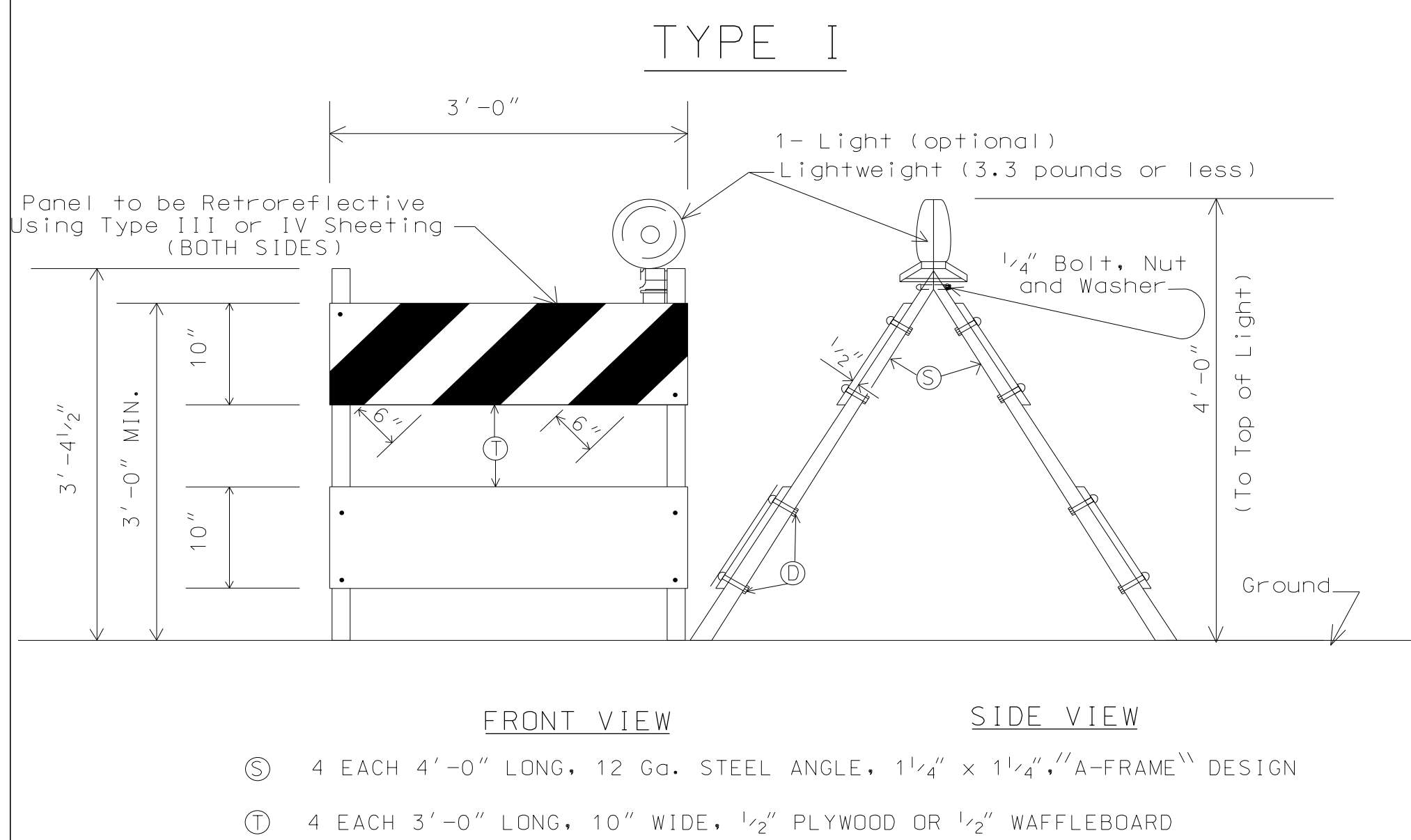
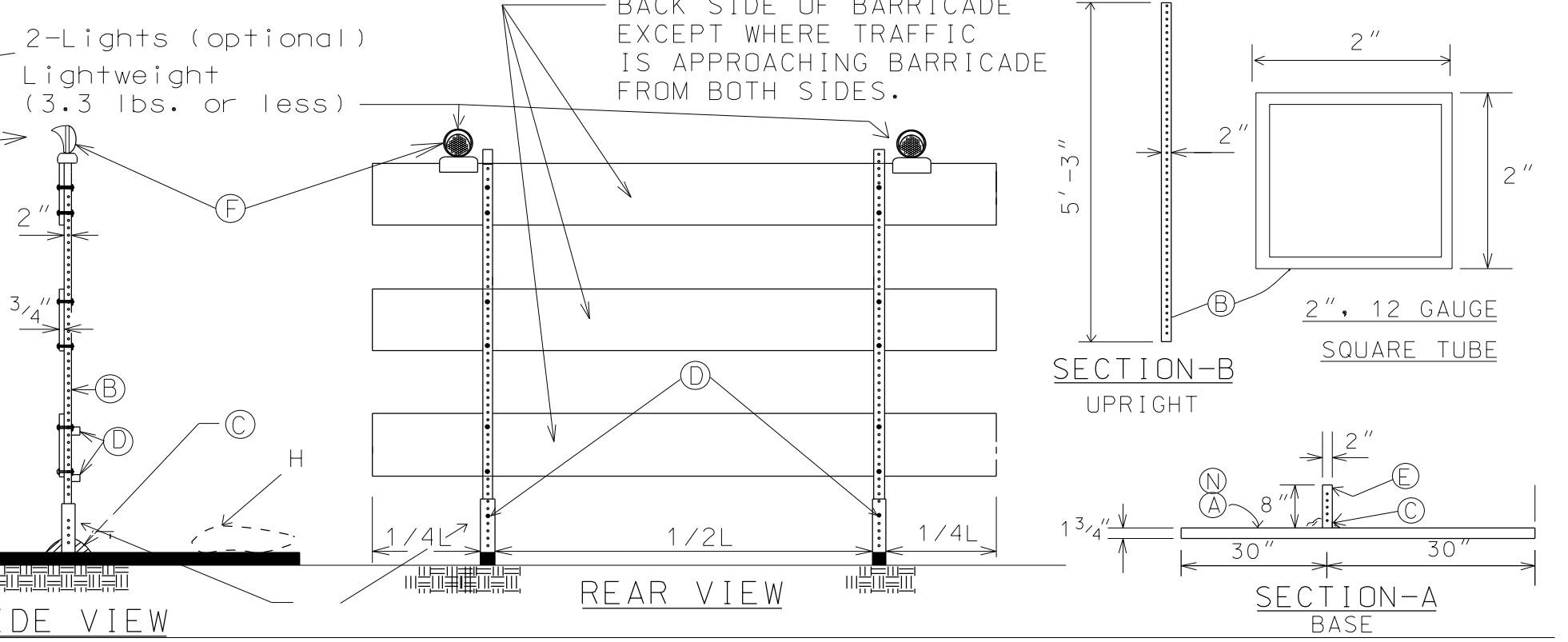
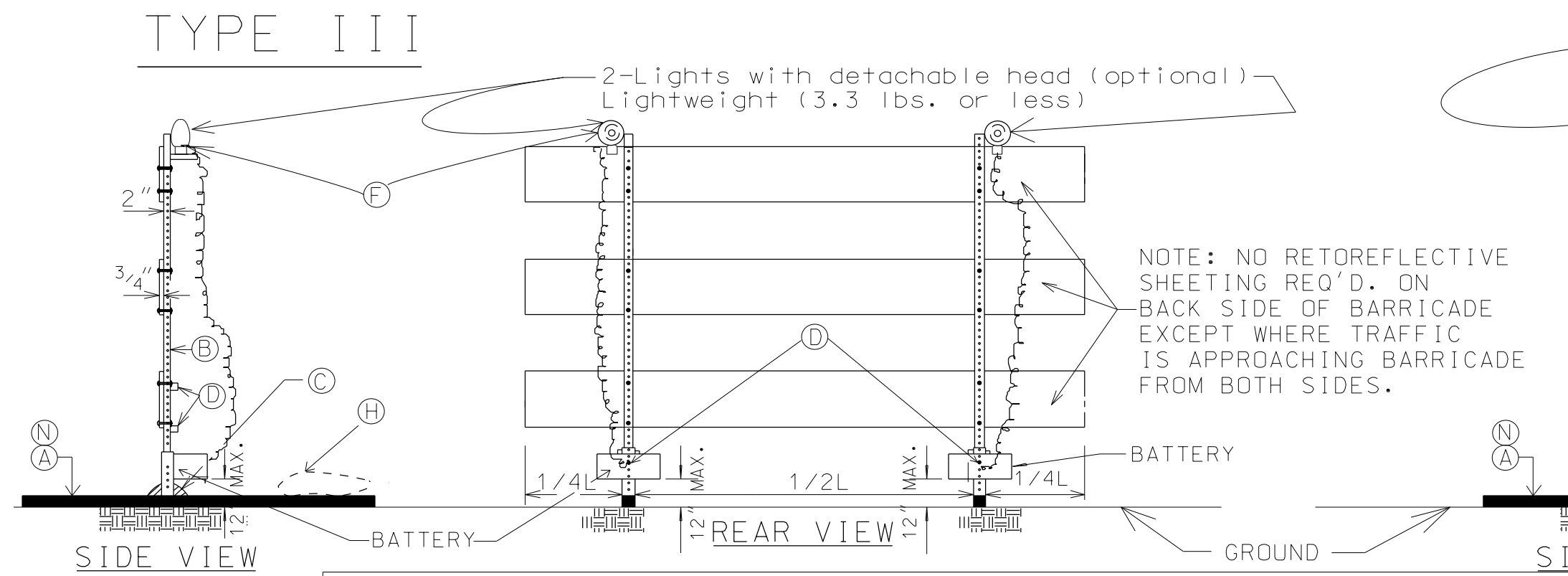
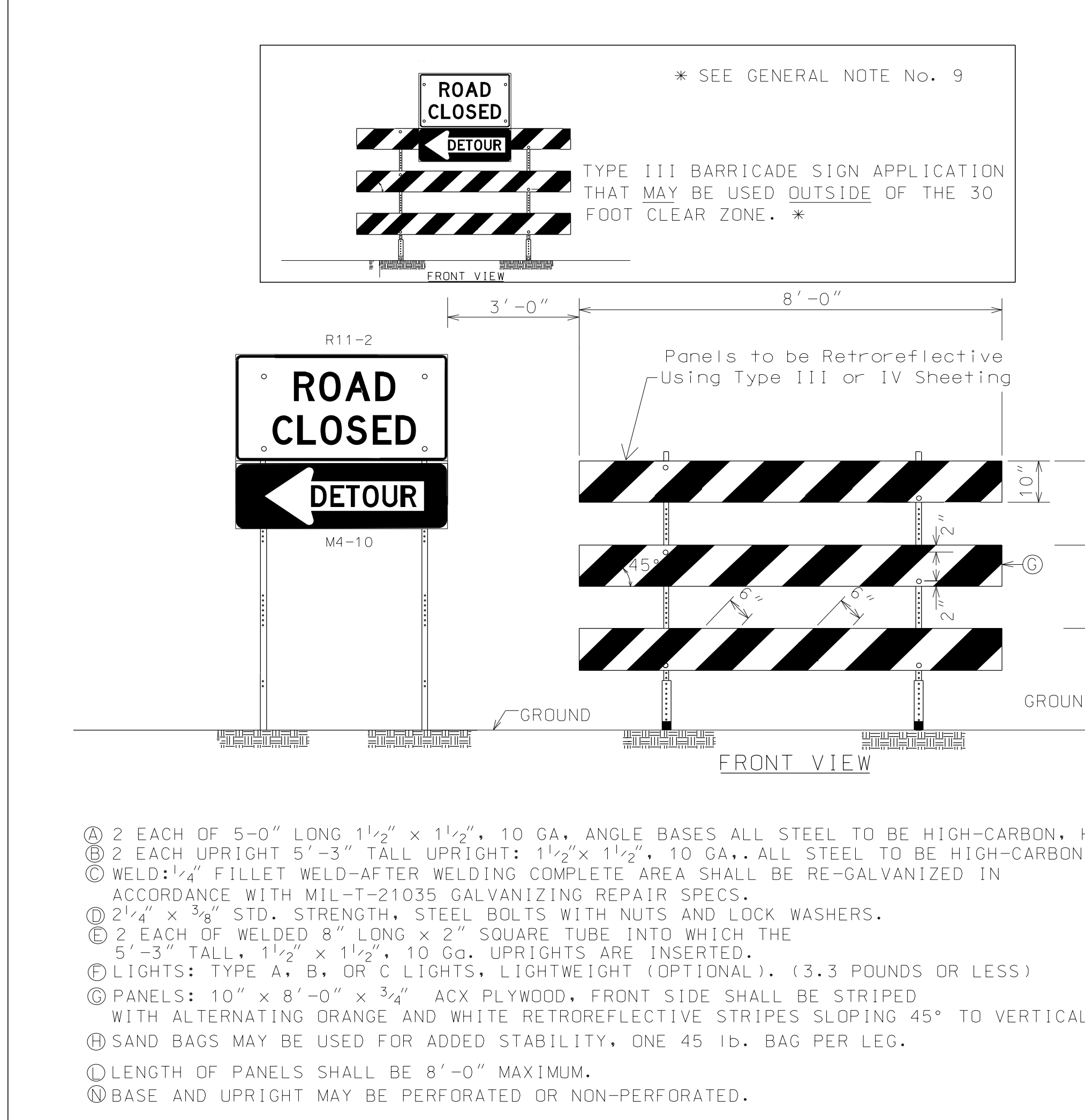


REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO



1. IN SITUATIONS WHERE A PORTABLE DEVICE IS DESIRABLE, PANEL SHALL BE MOUNTED ON #2 POST.
2. THIS PANEL MAY BE UTILIZED (AT NO ADDITIONAL COST) AS AN ALTERNATE TO THE TYPE I BARRICADE ONLY WHEN SPACE IS LIMITED.
3. PANEL SHALL BE RETROREFLECTIVE USING TYPE III OR IV RETROREFLECTIVE SHEETING.
4. THE VERTICAL PANEL SHALL BE PAID FOR AS (SINGLE SIDED) OR (DOUBLE SIDED) PER EACH.
5. WHEN CONDITIONS WARRANT THE PANEL MAY BE MOUNTED FLUSH RIGHT OR FLUSH LEFT ON THE POST TO AVOID ENCROACHING THE TRAVELWAY.

- Ⓢ 4 EACH 4'-0" LONG, 12 GA. STEEL ANGLE, 1 1/4" x 1 1/4", "A-FRAME" DESIGN
- Ⓣ 4 EACH 3'-0" LONG, 10" WIDE, 1/2" PLYWOOD OR 1/2" WAFFLEBOARD
- Ⓢ 4 EACH 4'-0" LONG, 12 GA. STEEL ANGLE, 1 1/4" x 1 1/4", "A-FRAME" DESIGN
- Ⓣ 4 EACH 3'-0" LONG, 10" WIDE, 1/2" PLYWOOD OR 1/2" WAFFLEBOARD



- #### GENERAL NOTES
1. STRIPES SHALL MAKE AN ANGLE OF 45° WITH THE VERTICAL SLANTING DOWNWARD TOWARD THE SIDE WHICH TRAFFIC IS TO PASS. AT LOCATIONS WHERE THE BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN. IF BOTH RIGHT AND LEFT TURNS ARE PROVIDED FOR, THE STRIPES SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE OR BARRICADES. WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.
 2. SEE PART 6 OF THE CURRENT M.U.T.C.D. ADOPTED BY ALDOT FOR ERECTION LOCATIONS AND OTHER PERTINENT DATA.
 3. THE HORIZONTAL PANELS ARE DESIGNED TO BE STRIPED IDENTICALLY AND SPACED AS NOTED, SO THE DIAGONAL STRIPES ON EACH PANEL ARE LINED UP TO REFLECT A CONTINUOUS STRIPE FROM THE TOP PANEL TO THE BOTTOM PANEL. PANELS WILL BE INTERCHANGEABLE.
 4. THE ROAD CLOSED AND DETOUR SIGNS SHALL BE PLACED ON THE SIDE OF THE BARRICADE NEAREST THE DIRECTION OF THE DETOUR.
 5. EVERY TYPE III BARRICADE SHALL HAVE AN IDENTIFYING LABEL IMPRINTED OR PERMANENTLY MOUNTED ON AN UPRIGHT BETWEEN THE TOP AND MIDDLE PANELS. THE LABEL SHALL BE VISIBLE UPON ASSEMBLY OF THE BARRICADE AND SHALL BE A MINIMUM SIZE OF 2 SQUARE INCHES. THE LABEL SHALL SHOW THE MANUFACTURER NAME AND THE MODEL NUMBER OF THE BARRICADE. THE MODEL NUMBER OF THE STANDARD TYPE III BARRICADE SHOWN ON THIS DRAWING SHALL BE B-107-2.
 6. ANY MANUFACTURER, CONTRACTOR, VENDOR OR STATE FORCES MAY BUILD AND/OR SUPPLY THE TYPE I AND TYPE II BARRICADES PROVIDED THEY CERTIFY IN WRITING THAT THE BARRICADES CONFORM TO THE DESIGNS AND SPECIFICATIONS OF THIS DRAWING.
 7. OTHER DESIGNS MEETING THE PANEL WIDTH AND LENGTH AND BARRICADE HEIGHT DIMENSIONS SHOWN ON THIS DRAWING MAY BE SUPPLIED PROVIDED THEY HAVE BEEN CRASH TESTED AND APPROVED BY NCHRP 350 STANDARDS INCLUDING ANY LIGHT OR SIGN COMBINATION. ANY TYPE III BARRICADE OTHER THAN MODEL NUMBER B-107-2 MUST BE ON THE "LIST OF QUALIFIED MATERIALS, SOURCES AND DEVICES" (APPROVED PRODUCTS LIST) MAINTAINED BY THE MATERIALS & TESTS BUREAU AND SHALL HAVE AN IDENTIFYING LABEL ACCORDING TO GENERAL NOTE #5.
 8. ONLY PARTS OF IDENTICAL MODEL NUMBERS SHALL BE INTERCHANGEABLE.
 9. ANY SIGN MOUNTED TO A TYPE III BARRICADE INSIDE OF THE 30 FOOT CLEAR ZONE SHALL BE MADE OF ALUMINUM COMPOSITE MATERIAL AND LISTED IN THE APPROVED PRODUCT LIST AS REFERENCED IN NOTE No. 7.

- Ⓐ 2 EACH OF 5'-0" LONG 1 1/2" x 1 1/2", 10 GA. ANGLE BASES ALL STEEL TO BE HIGH-CARBON, HOT ROLLED STEEL.
- Ⓑ 2 EACH UPRIGHT 5'-3" TALL UPRIGHT: 1 1/2" x 1 1/2", 10 GA., ALL STEEL TO BE HIGH-CARBON, HOT ROLLED STEEL.
- Ⓒ WELD: 1/4" FILLET WELD-AFTER WELDING COMPLETE AREA SHALL BE RE-GALVANIZED IN ACCORDANCE WITH MIL-T-21035 CALVANIZING REPAIR SPECS.
- Ⓓ 2 1/4" x 3/8" STD. STRENGTH, STEEL BOLTS WITH NUTS AND LOCK WASHERS.
- Ⓔ 2 EACH OF WELDED 8" LONG x 2" SQUARE TUBE INTO WHICH THE 5'-3" TALL, 1 1/2" x 1 1/2", 10 GA. UPRIGHTS ARE INSERTED.
- Ⓕ LIGHTS: TYPE A, B, OR C LIGHTS, LIGHTWEIGHT (OPTIONAL). (3.3 POUNDS OR LESS)
- Ⓖ PANELS: 10" x 8'-0" x 3/4" ACX PLYWOOD, FRONT SIDE SHALL BE STRIPED WITH ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES SLOPING 45° TO VERTICAL.
- Ⓗ SAND BAGS MAY BE USED FOR ADDED STABILITY, ONE 45 lb. BAG PER LEG.
- Ⓛ LENGTH OF PANELS SHALL BE 8'-0" MAXIMUM.
- Ⓜ BASE AND UPRIGHT MAY BE PERFORATED OR NON-PERFORATED.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

1. Removed Warning Lights from Front View sketches & added Side & Rear View Details showing w/Battery Box Light. Added w/Detachable Head to Rear View Detail, also referenced Note F to these details on 09-27-10 by J.F.T.
2. Changed "1 1/2" SQUARE TUBE" to "2" 12 GAUGE SQUARE TUBE" on "SECTION-A BASE". "POST #2" was changed on "TYPE I VERTICAL PANEL" and "TYPE II VERTICAL PANEL" to "POST #3" on 09-22-11 by J.F.T.
3. Changed "Retroreflective" to "Retroreflective" Added "Retroreflective" to note Ⓣ; Revised TYPE III Barricade note no. 1 per the 2009 MUTCD on 10/28/2013 by C.J.C.

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

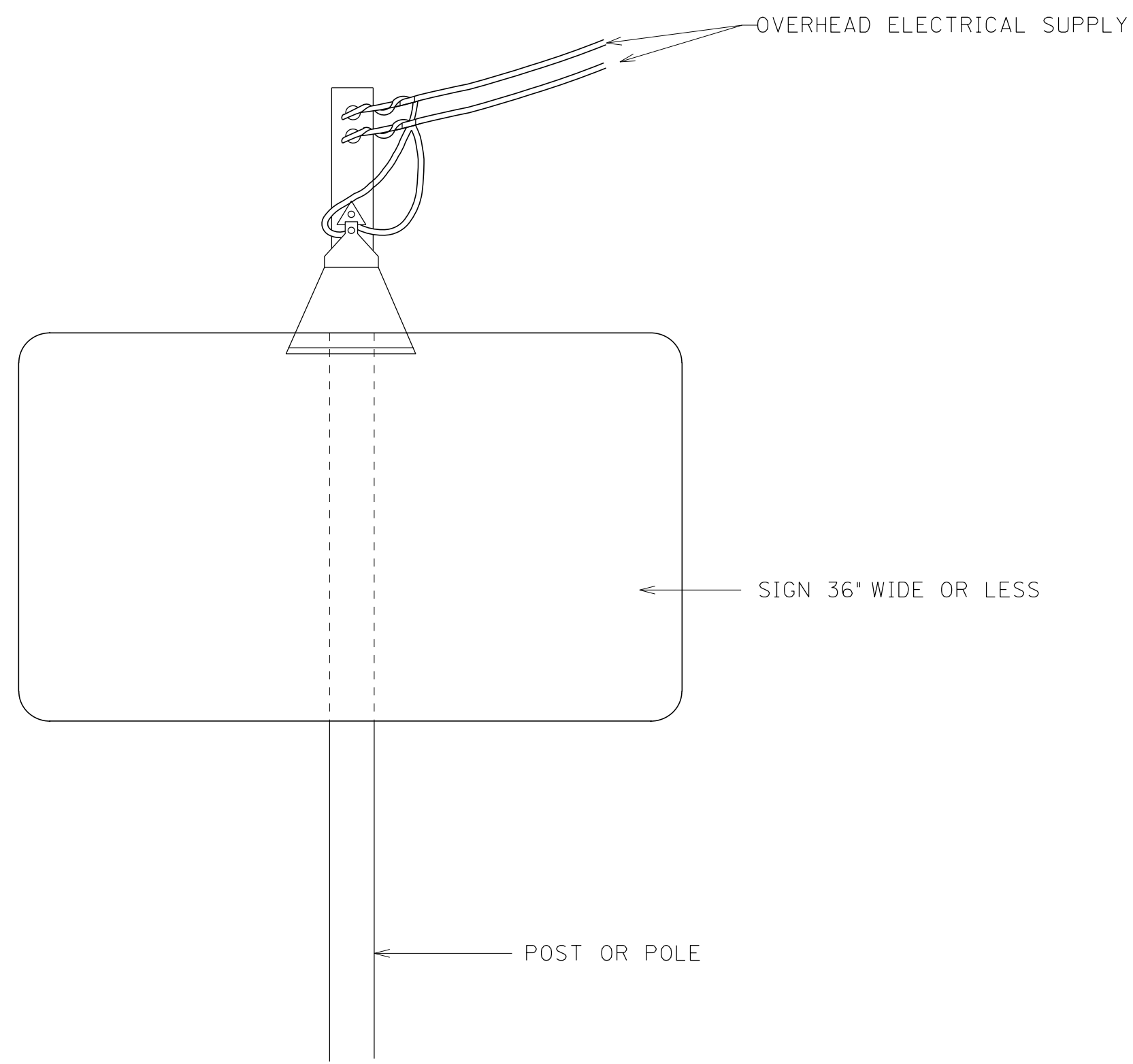
PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE I AND TYPE II

SPECIAL DRAWING NO
B-107-2

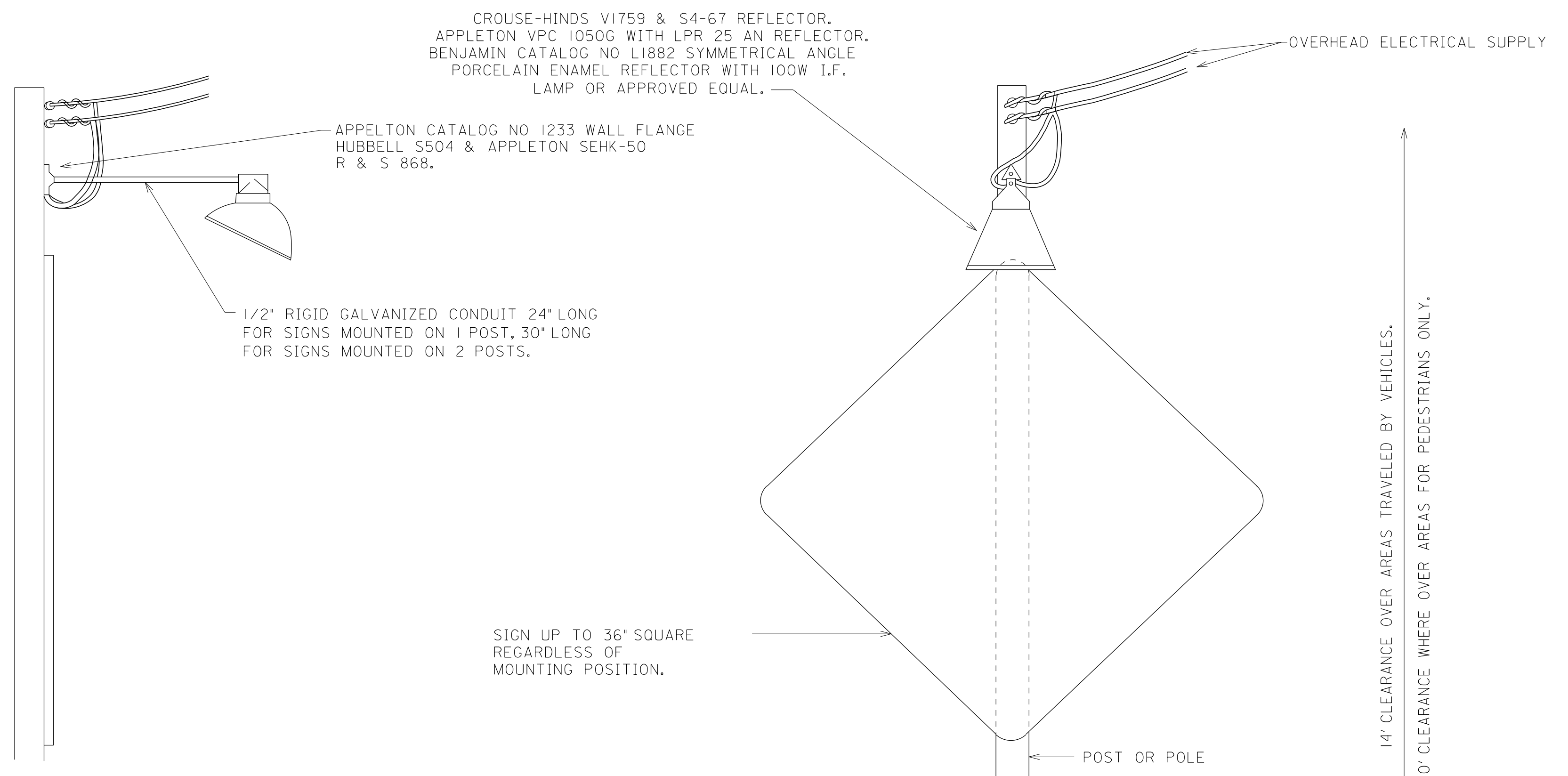
INDEX NO
74001

Bureau Std Engr: D.J.W.
DRAWN BY: _____ DATE DRAWN: 04-24-01

NOT TO SCALE



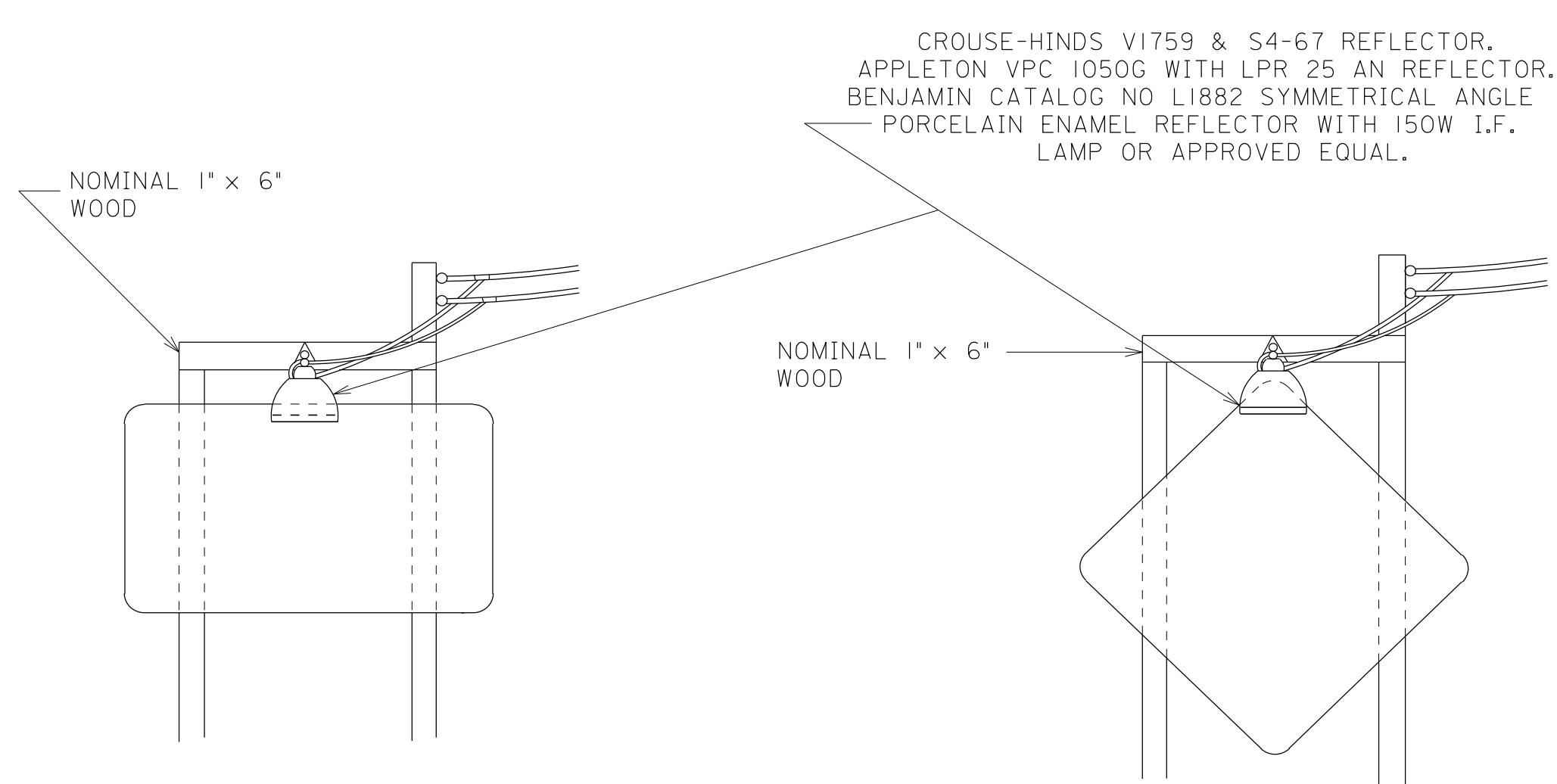
DETAIL SHOWING METHOD OF LIGHTING SIGNS UP TO 10 SQUARE FEET - 1 POST



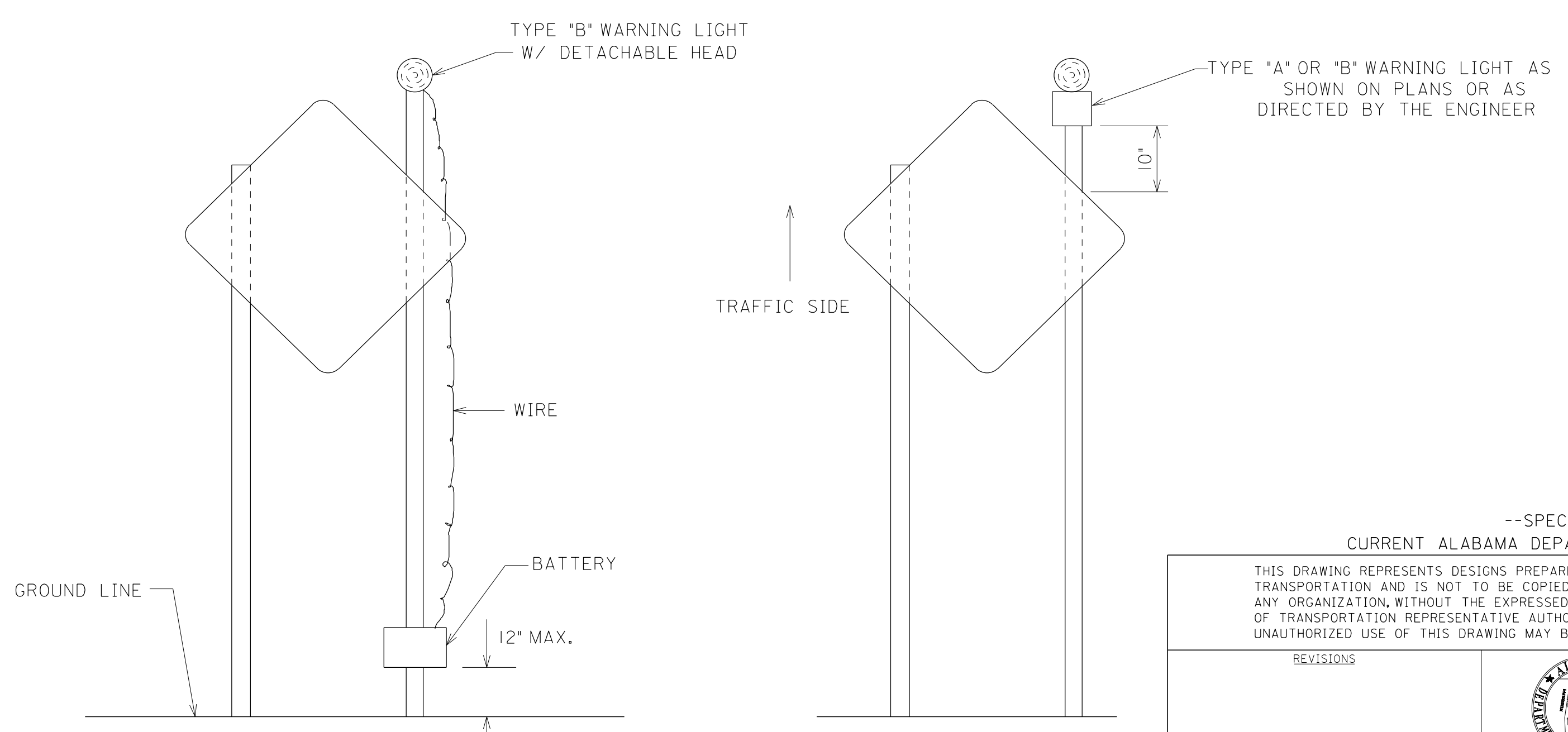
SIDE ELEVATION 1 OR 2 POST

DETAIL SHOWING METHOD OF LIGHTING SIGNS UP TO 10 SQUARE FEET - 1 POST

14' CLEARANCE OVER AREAS TRAVELED BY VEHICLES.
10' CLEARANCE WHERE OVER AREAS FOR PEDESTRIANS ONLY.




DETAILS SHOWING METHODS FOR MOUNTING FIXTURES WHEN 2 POSTS OR POLES ARE REQUIRED (SEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) SIGNS OVER 10 SQUARE FEET OR WIDER THAN 36"



INSTALLATION OF LIGHTING WITH YELLOW FLASHERS

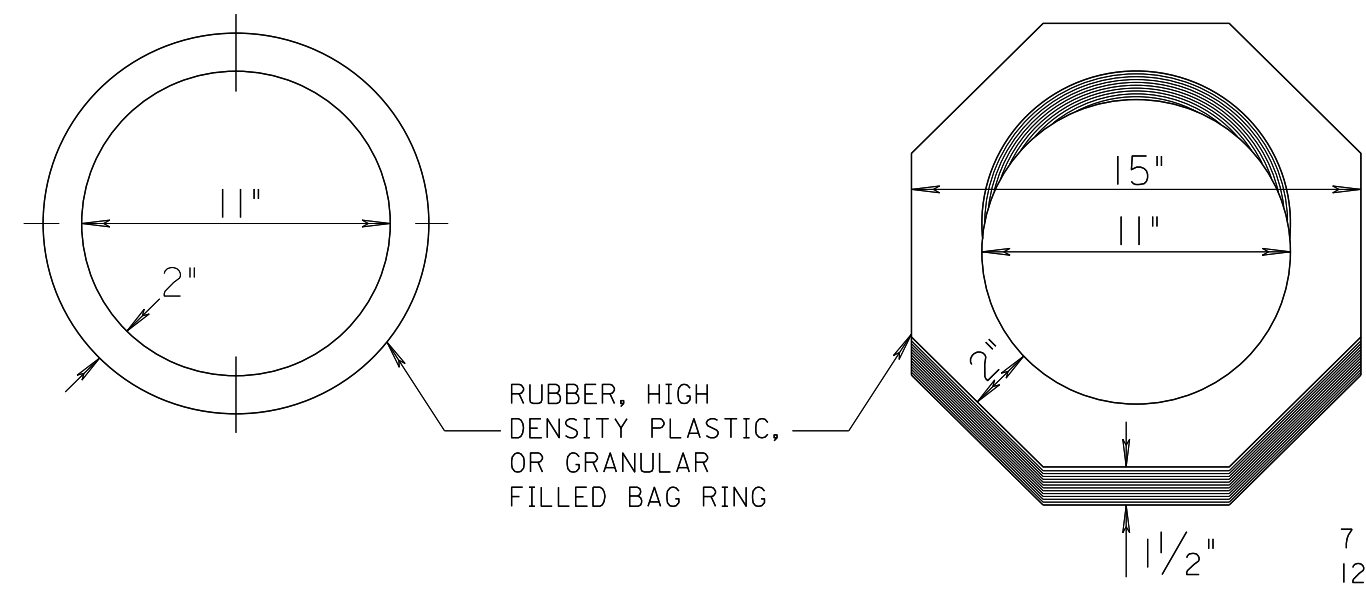
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REVISIONS	 ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050 DESIGN BUREAU SPECIAL DRAWING	INDEX NO 74004
		SPECIAL DRAWING NO LCS-107

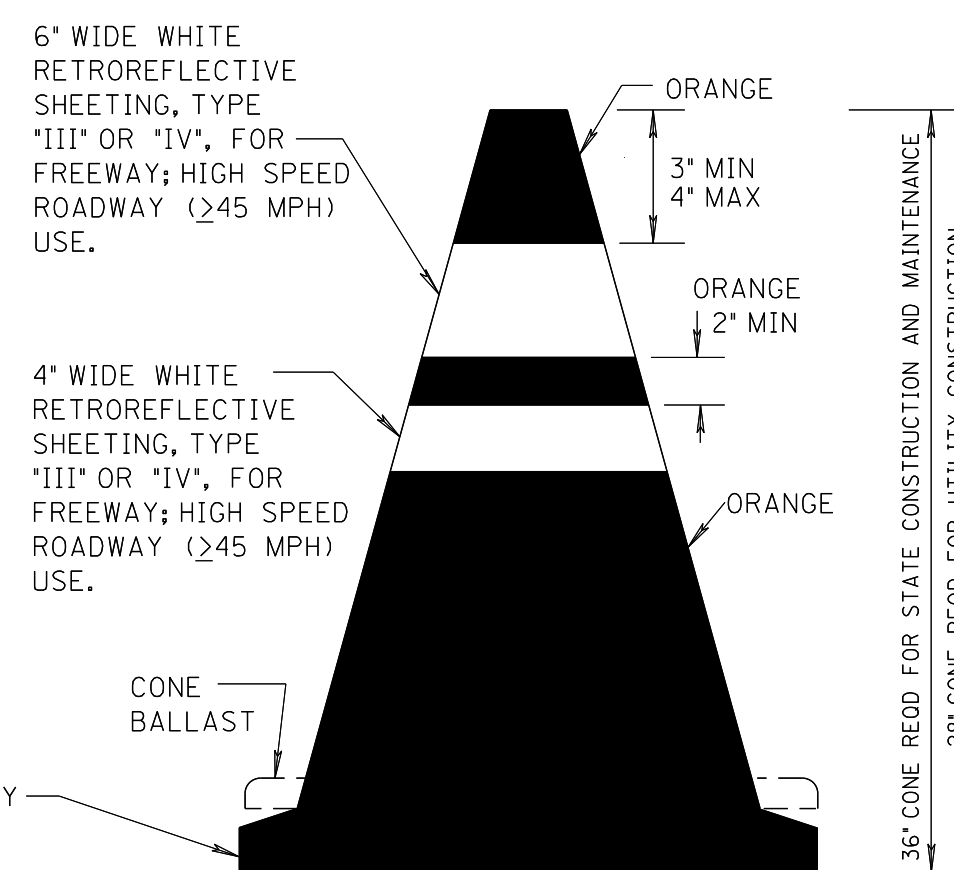
Bureau Std Engr: D.J.W.
DRAWN BY: C.J.S. DATE DRAWN: 10-06-83

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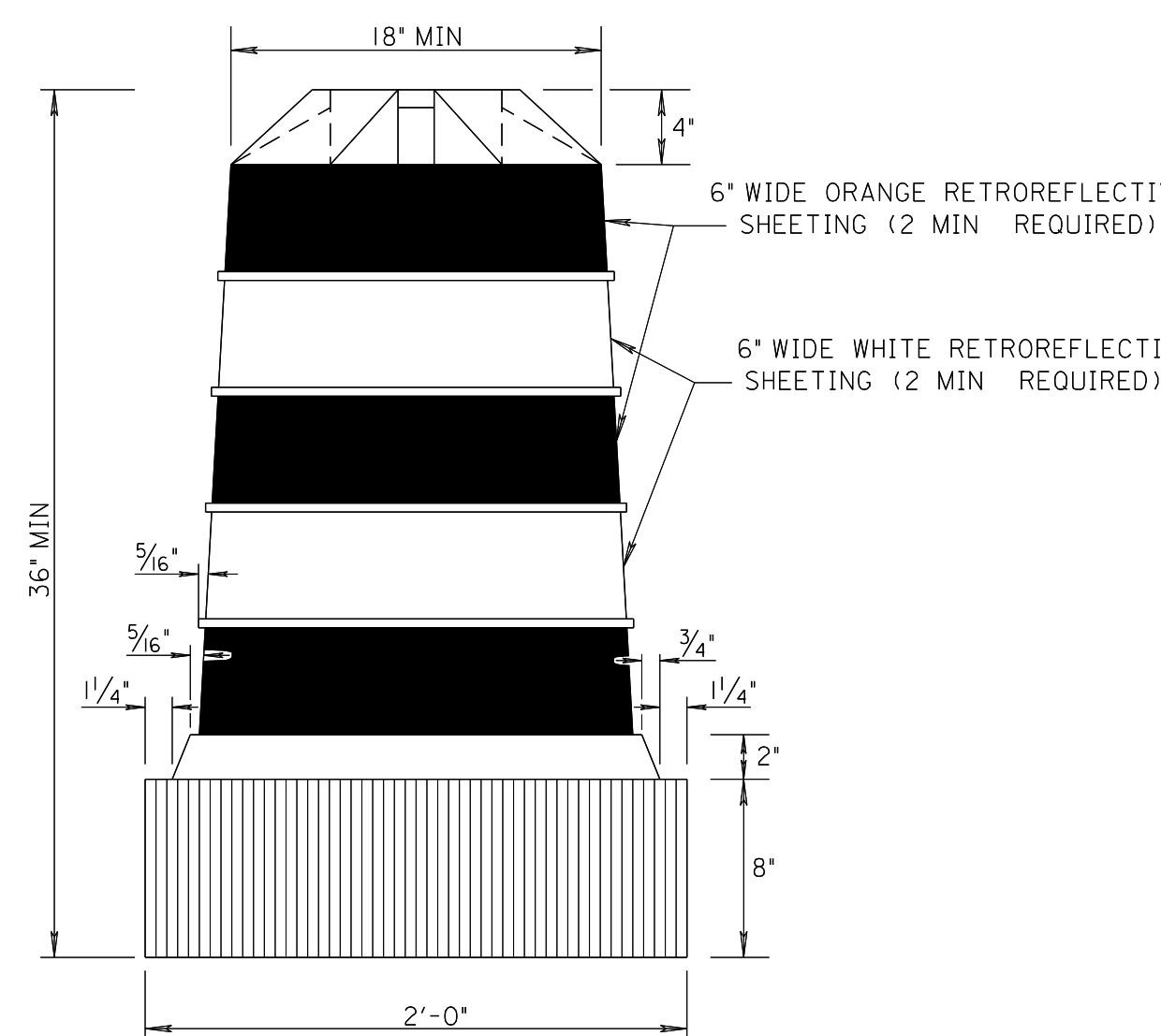


BALLAST FOR CONE
BALLAST WILL BE REQUIRED ALL DIMENSIONS ARE APPROXIMATE.

7 LBS MIN
12 LBS MAX



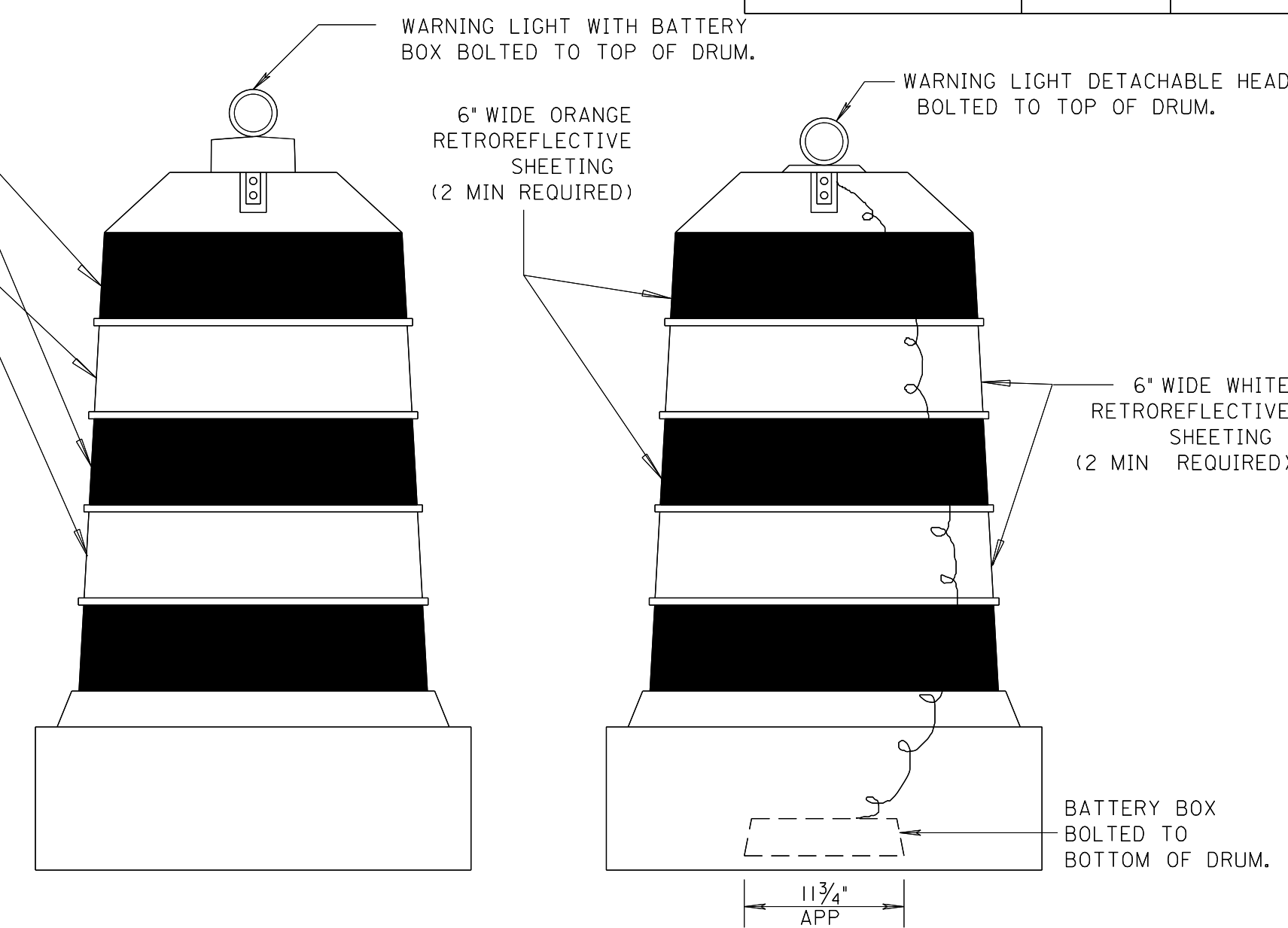
28" / 36" CONE



TYPE "B"

CHANNELIZING DRUM DESIGN

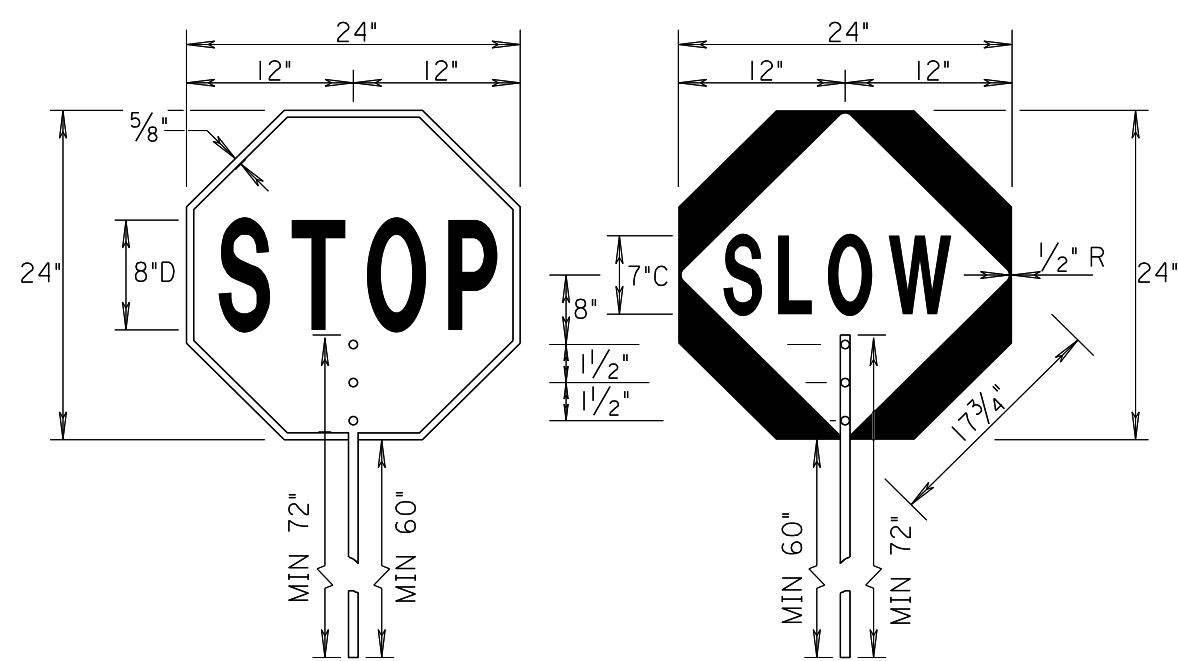
CHANNELIZING DRUMS SHALL BE FLEXIBLE PLASTIC, SET ON END AND COLOR SHALL BE ORANGE AND WHITE RETROREFLECTIVE STRIPES AND SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT ADVANCED WARNING SIGNS. FLASHING WARNING LIGHT SHOULD BE ADDED WHEN DRUMS ARE USED SINGLY AND STEADY WARNING LIGHTS WHEN USED IN SERIES. DRUMS SHOULD NOT BE WEIGHTED TO THE EXTENT THAT WOULD MAKE THEM HAZARDOUS TO MOTORISTS.



EXAMPLES OF WARNING LIGHT ATTACHED TO DRUM

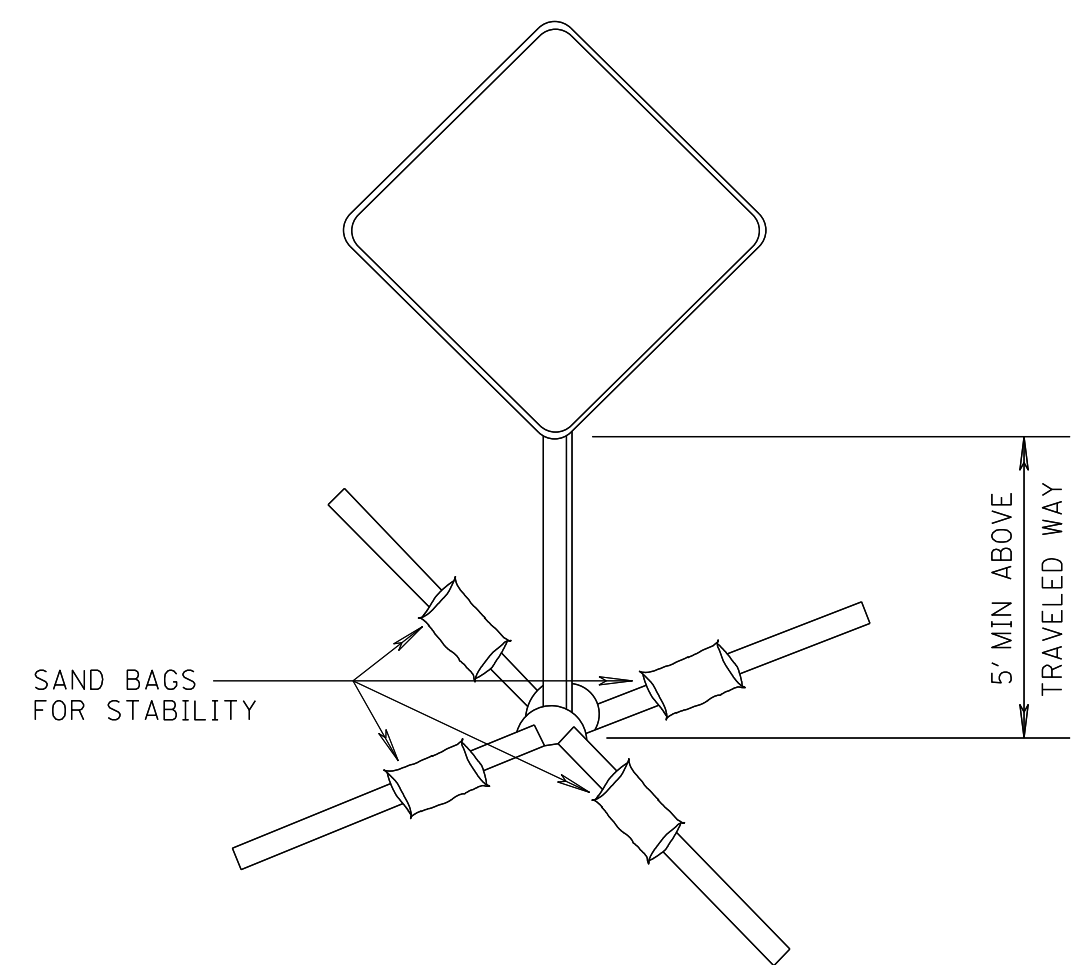
RETROREFLECTIVE SHEETING DESIGN

RETROREFLECTIVE SHEETING USED ON CHANNELIZING DRUMS SHALL BE TYPE 'III' OR 'IV', AS DESCRIBED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 880.

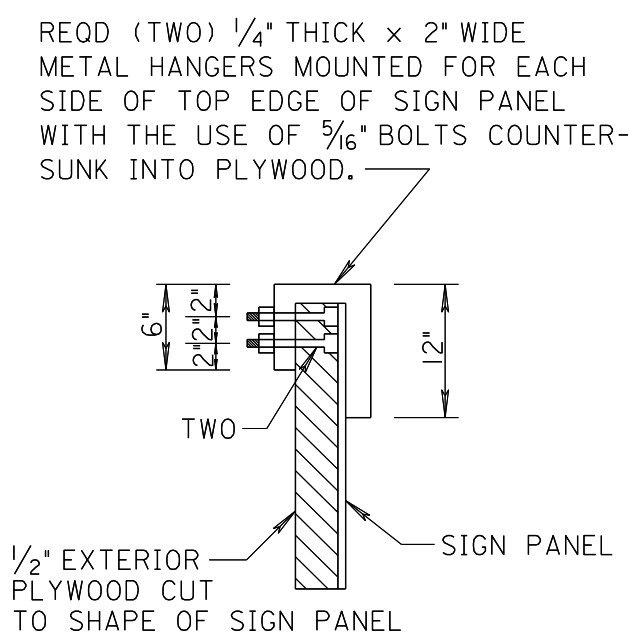


STAFF MOUNTED PADDLES

THE STAFF MOUNTED PADDLES SHALL BE FABRICATED USING TYPE 'III' OR 'IV' RETROREFLECTIVE SHEETING ON BOTH SIDES. THE STOP SIGN SHALL HAVE A RED BACKGROUND WITH WHITE LEGEND AND BORDER. THE SLOW SIGN SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

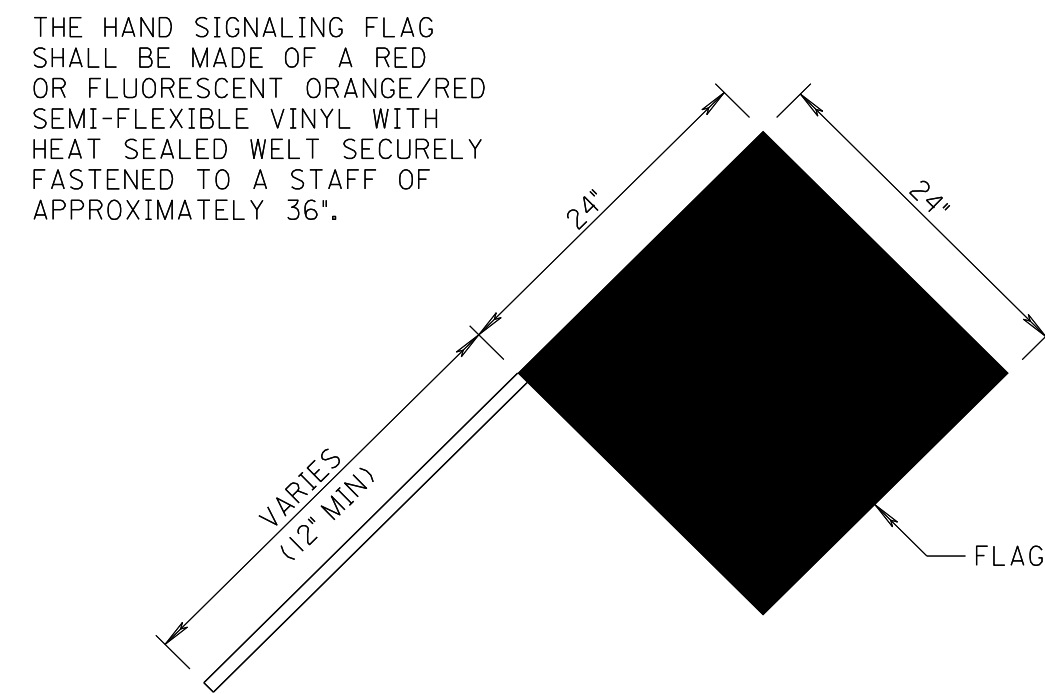


TYPICAL SIGN INSTALLATION (TEMPORARY SUPPORTS)



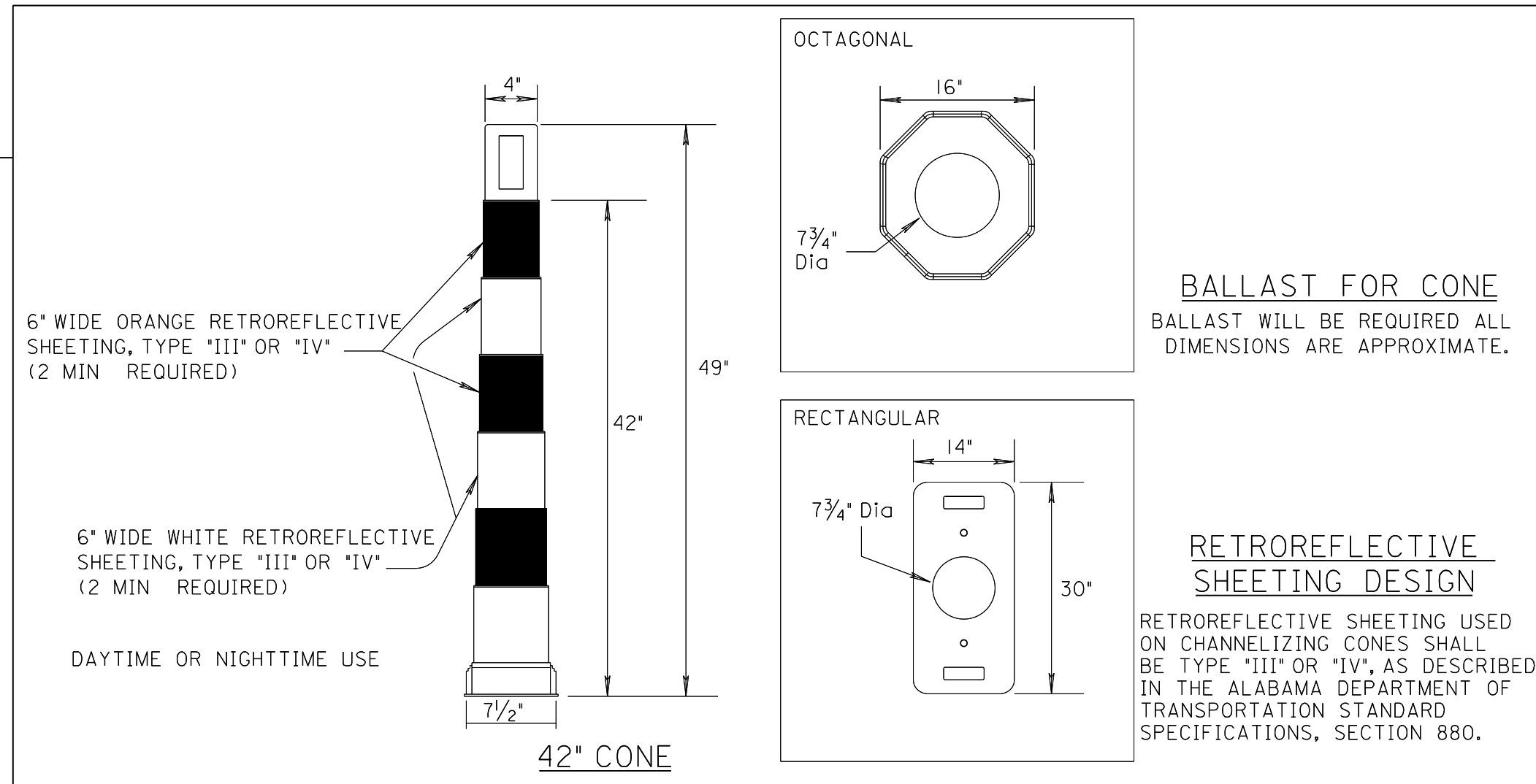
INSTALLATION OF SIGN COVERING MATERIAL DURING NON-USE

EXPOSED SURFACE MAY BE PAINTED. IF PAINTED, COLOR SHALL BE BLACK. ALTERNATE TYPES OF COVERING MATERIAL AND METHODS OF INSTALLATION MAY BE SUBMITTED BY THE CONTRACTOR FOR CONSIDERATION OF APPROVAL BY THE DEPARTMENT.



HAND SIGNALING FLAG

FLAGS SHOULD ONLY BE USED UNDER EMERGENCY CONDITIONS, OR AT A SPOT LOCATION WHICH CAN BEST BE CONTROLLED BY A SINGLE FLAGGER USING A FLAG.



BALLAST FOR CONE
BALLAST WILL BE REQUIRED ALL DIMENSIONS ARE APPROXIMATE.

RETROREFLECTIVE SHEETING DESIGN

RETROREFLECTIVE SHEETING USED ON CHANNELIZING CONES SHALL BE TYPE 'III' OR 'IV', AS DESCRIBED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 880.

NOTES:

- ALL DEVICES THAT ARE USED FOR WORK ZONE TRAFFIC CONTROL SHALL MEET "CRASHWORTHY" REQUIREMENTS GIVEN IN THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 FOR THE APPROPRIATE CATEGORY OF DEVICE.

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<p>REVISIONS</p> <ol style="list-style-type: none"> Added Drum w/ Battery Bolted Warning Light on 09-27-10 by J.F.T. Changed 'Reflectorized' to 'Retroreflective' removed Warning Flags Mounting details, removed warning flags from typical sign installation detail, updated notes per 2009 MUTCD on 10-28-2013 by C.J.C. Updated Typical Sign Installation (Temporary Supports) Detail on 09-09-14 by C.J.C. Revised because T.C.P. Notes state 5' min height for Temporary Sign Support on 03-25-15 by J.F.T. Updated 28"/36" Cone Detail, deleted HAND HELD PADDLES and added 42" Cone Detail on 03-06-19 by D.J.D. and J.F.T. 	<p>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p> <p>DESIGN BUREAU SPECIAL DRAWING</p>
<p>Bureau Std Engr: D.J.W. DRAWN BY: _____ DATE DRAWN: 11-05-90</p>	<p>DETAILS FOR TRAFFIC CHANNELIZATION DEVICES</p>
<p>SPECIAL DRAWING NO TCD-100</p>	<p>INDEX NO 74007</p>

NOT TO SCALE