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SIGN DESIGN AND FABRICATION:

- ALL SIGNS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE 2009 MUTCD AND THE 2004 STANDARD HIGHWAY SIGN AND MARKINGS BOOK (SHS), VAOT STANDARDS OR AS DETAILED ON THE PLANS.
- ALL LETTERS AND NUMBERS USED FOR ALL SIGNS SHALL CONFORM TO THE APPLICABLE FONT AS DEFINED AND DETAILED IN THE 2004 SHS.
- ALL ARROWS AND SYMBOLS SHALL CONFORM WITH THE 2004 SHS UNLESS OTHERWISE DETAILED ON THE PLANS.
- COLORS USED ON ALL SIGNS SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 1A.12 OF THE MUTCD. FY = FLUORESCENT YELLOW, FYG = FLUORESCENT YELLOW GREEN.
- SIGN SHEETING FOR FLUORESCENT YELLOW AND FLUORESCENT YELLOW GREEN SHALL BE ASTM D4956 TYPE VII, VIII OR IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.
- SHEETING TYPES AND MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND BE CONSISTENT THROUGHOUT THE PROJECT.
- SIGN BASE MATERIAL FOR DELINEATORS AND MILE MARKER PLAQUES (VD-700) SHALL BE 0.063" THICK FLAT SHEET ALUMINUM, UNLESS OTHERWISE NOTED ON THE PLANS, ALL OTHER SIGNS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

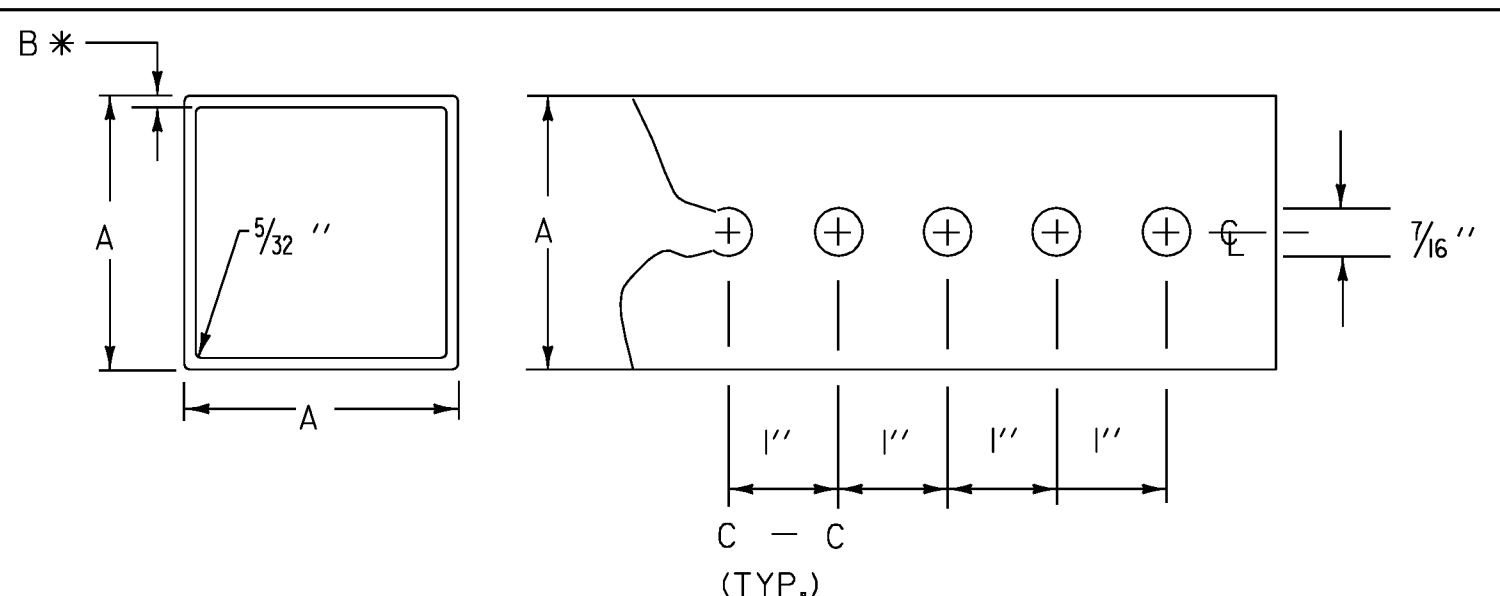
SIGN SIZE	12" X 12"		
	18" X 18"		
	21" X 15"		
	24" X 8"		
	24" X 10"		48" X 18"
	24" X 12"	36" X 12"	48" X 24"
	24" X 18"	36" X 15"	48" X 30"
	24" X 24"	36" X 18"	48" X 42"
	24" X 30"	36" X 24"	48" X 48"
	30" X 15"	36" X 36"	48" X 60"
	30" X 18"	36" X 42"	72" X 10"
	30" X 30"	36" X 48"	72" X 12"
	30" X 42"	36" X 54"	72" X 20"
THICKNESS	0.080"	0.100"	0.125"

SIGN POSTS:

- ALL SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR. ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS OR SIDEWALKS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT FOR SLEEVE SHALL BE INCIDENTAL TO THE SIGN POST.
- 1.75" SQUARE STEEL POSTS SHALL BE 14 GAUGE STEEL. 2" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAUGE STEEL.

SIGN INSTALLATION:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THEIR EXPENSE.
- ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE RESIDENT ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VAOT STANDARD E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROADS, UNLESS OTHERWISE NOTED.
- ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED.
- NEW SIGNS WITH THEIR GREATER NIGHTTIME REFLECTIVITY CAN OBSCURE OLDER SIGNS MOUNTED ADJACENT TO THEM. TO AVOID CONFUSION OF ROAD USERS, WORK SHALL BE COORDINATED SUCH THAT ALL SIGNS ASSOCIATED WITH A CURVE, INTERSECTION, OR SPEED CHANGES, SHALL BE REPLACED ON THE SAME DAY AND NOT LEFT INCOMPLETE OR WITH A MIXTURE OF OLD AND NEW SIGNS WITHIN A GROUP OF ASSOCIATED SIGNS.



SIGN POST NOTES :

THE POSTS SHALL BE CAREFULLY FORMED OF STEEL WITH A MINIMUM YIELD STRENGTH OF 55 KSI, INTO A SIZE AND SHAPE WITH CORNERS INDUCTION WELDED IN SUCH A MANNER THAT NEITHER FLASH NOR WELD SHALL INTERFERE WITH THE TELESCOPING PROPERTIES, NOR DAMAGE THE GALVANIZING.

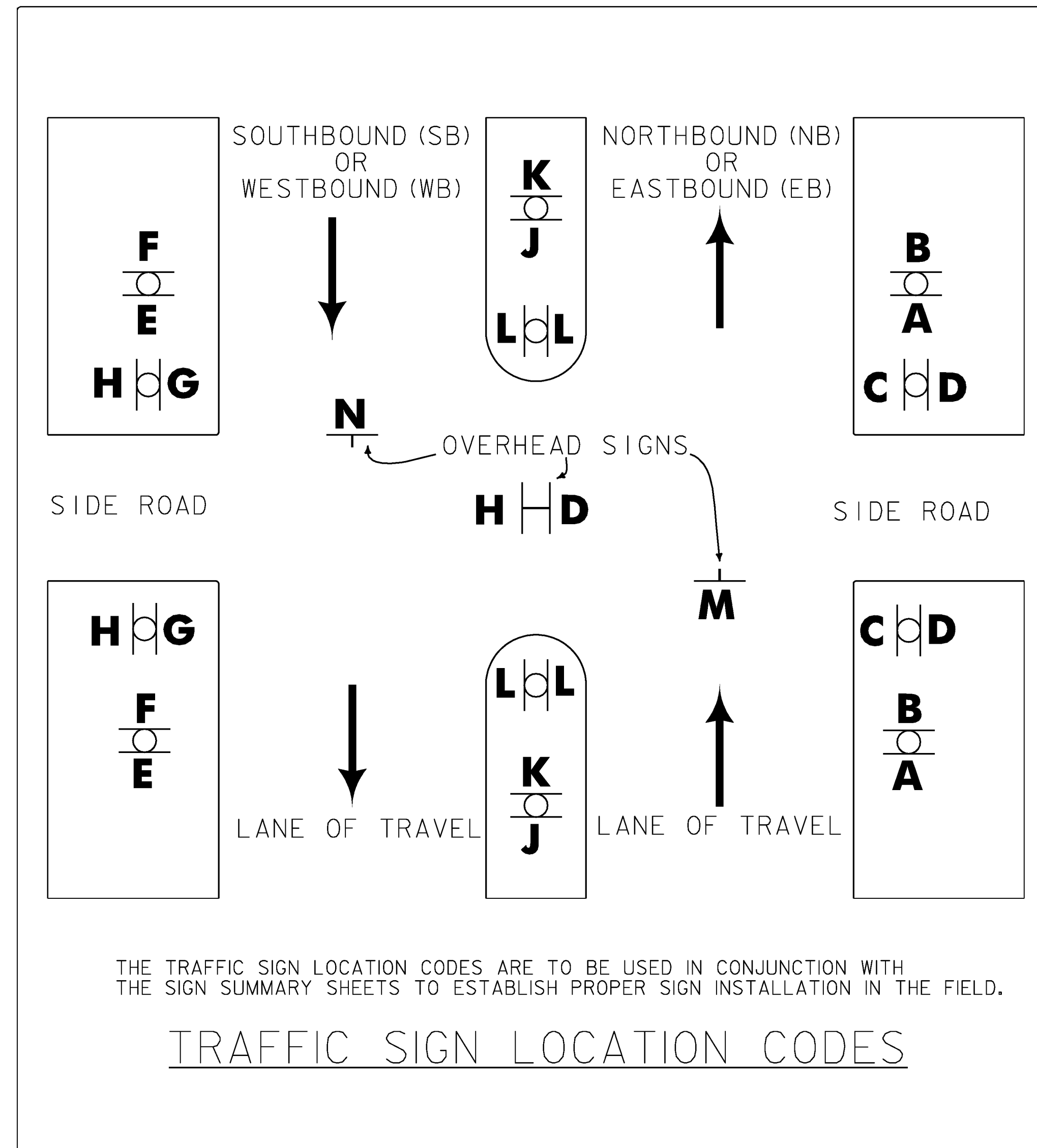
- B* THE WALL THICKNESS TOLERANCES SHALL BE +.005" AND -.010" FOR THE 12 GAUGE.
- B* THE WALL THICKNESS TOLERANCES SHALL BE +.002" AND -.008" FOR THE 14 GAUGE.

DIMENSION DETAILS AND POST SELECTION CHART

POST SELECTION CHART								
SIGN AREA (FT ²) X H (FT) ≤ SV (SELECTION VALUE)								
POST SIZE LBS/FT.	DIMENSIONS			SECTION MODULUS IN ³	ONE POST S _v	TWO POST S _v	THREE POST S _v	NUMBER PERMITTED IN 8' PATH
	A	*B	GAUGE					
1.88	1 3/4"	.083	14	0.230	47	94	141	TWO
2.42	2"	.105	12	0.381	77	154	231	TWO
3.35	2 1/2"	.105	12	0.642	130	260	390	ONE

DESIGN CRITERIA:

WIND SPEED = 70 MPH (10 -YEAR MEAN RECURRENCE INTERVAL)
 WIND PRESSURE = 19 PSF
 STEEL MINIMUM YIELD = 55,000 PSI
 ALLOWABLE STRESS = (1.4) 0.60 FY



THE TRAFFIC SIGN LOCATION CODES ARE TO BE USED IN CONJUNCTION WITH THE SIGN SUMMARY SHEETS TO ESTABLISH PROPER SIGN INSTALLATION IN THE FIELD.

TRAFFIC SIGN LOCATION CODES

GENERAL NOTES:

- ALL EXISTING MILE MARKER PLAQUES ATTACHED TO A DELINEATOR POST OR ATTACHED TO A RETAINED STAND ALONE SIGN POST ASSEMBLY SHALL BE RETAINED. IF AN EXISTING MILE MARKER PLAQUE IS ATTACHED TO A SIGN POST THAT IS TO BE REMOVED AND REPLACED IN THE SAME LOCATION, THE MILE MARKER PLAQUE SHALL BE REMOVED, SALVAGED AND INSTALLED ONTO THE NEW SIGN POST. IF AN EXISTING MILE MARKER PLAQUE IS ATTACHED TO A SIGN POST THAT IS TO BE RELOCATED TO A DIFFERENT LOCATION, THE MILE MARKER PLAQUE SHALL BE REMOVED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 675.341 SQUARE TUBE SIGN POST AND ANCHOR. PAYMENT FOR NEW MILE MARKERS AS SHOWN ON THESE PLANS SHALL BE PAID FOR AS ITEM 675.20 TRAFFIC SIGNS, TYPE A.
- SALVAGED SIGN TOTALS HAVE BEEN ADDED TO THE TOTAL SIGN REMOVAL COLUMN ON THE TOWN TOTAL SIGN SUMMARY SHEET.
- EXISTING STREET NAME SIGNS ATTACHED TO SIGN POSTS THAT ARE TO BE REPLACED SHALL BE REMOVED AND INSTALLED ONTO NEW POST. ALL WORK AND MATERIALS NECESSARY TO REMOVE AND INSTALL THE STREET NAME SIGNS SHALL BE PAID UNDER ITEM 675.60 ERECTING SALVAGED SIGNS. AN ESTIMATED QUANTITY HAS BEEN ADDED TO ITEM 675.60 TO PAY FOR THIS WORK.
- ALL EXISTING STREET NAME OR BUS STOP SIGNS INSTALLED ON STAND ALONE SIGN POSTS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
- SELECTIVE CUTTING OF TREES OR TREE BRANCHES MAY BE NECESSARY TO PROVIDE FULL VISIBILITY FOR ANY EXISTING (RETAINED) OR NEW SIGN LOCATIONS. THIS WORK WILL BE PERFORMED AT THE DIRECTION OF THE RESIDENT ENGINEER IN ACCORDANCE WITH SUBSECTION 201.05 THINNING AND TRIMMING PART (c); AND SHALL BE INCIDENTAL TO ITEM 675.20 TRAFFIC SIGNS, TYPE A. UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER ALL CUT MATERIAL SHALL BE DISPOSED OF IN COMPLIANCE WITH APPLICABLE LAWS OF THE STATE OF VERMONT.

PROJECT NAME: STATEWIDE NORTHEAST

PROJECT NUMBER: STPG SIGN (29)

FILE NAME: I08006.GN

PROJECT LEADER: A. GAMBLE

DESIGNED BY: D.CROSSLEY

GENERAL NOTES

PLOT DATE: 24-AUG-2010

DRAWN BY: D.CROSSLEY

CHECKED BY: A. GAMBLE

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