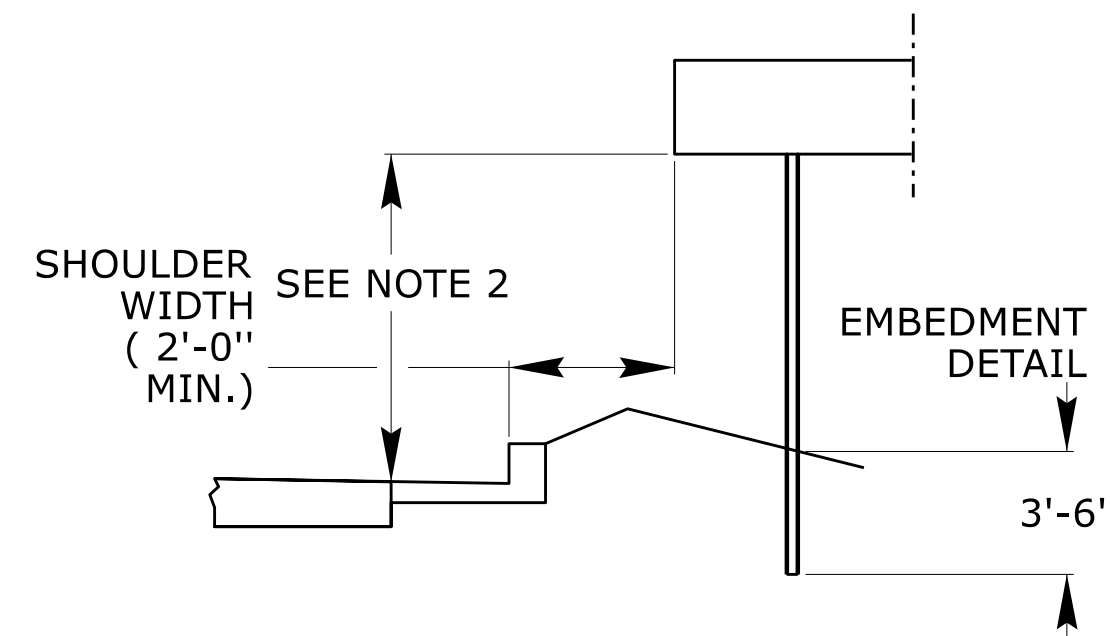
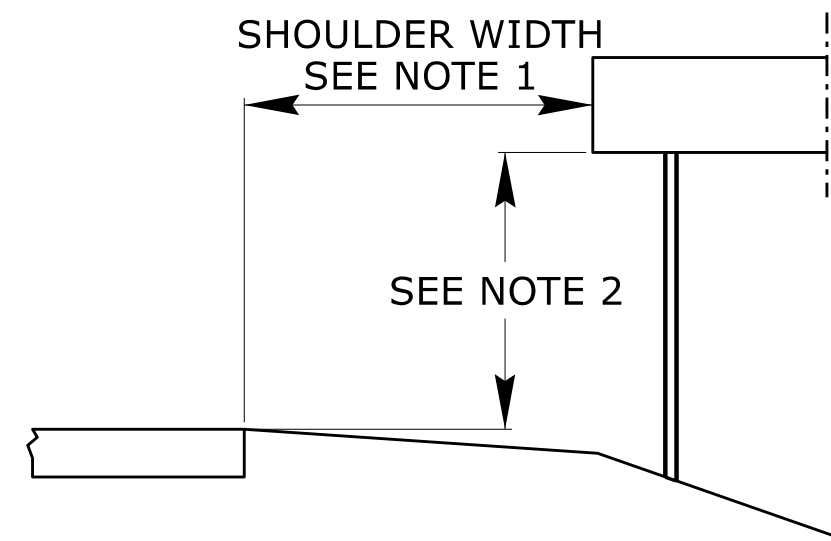


STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

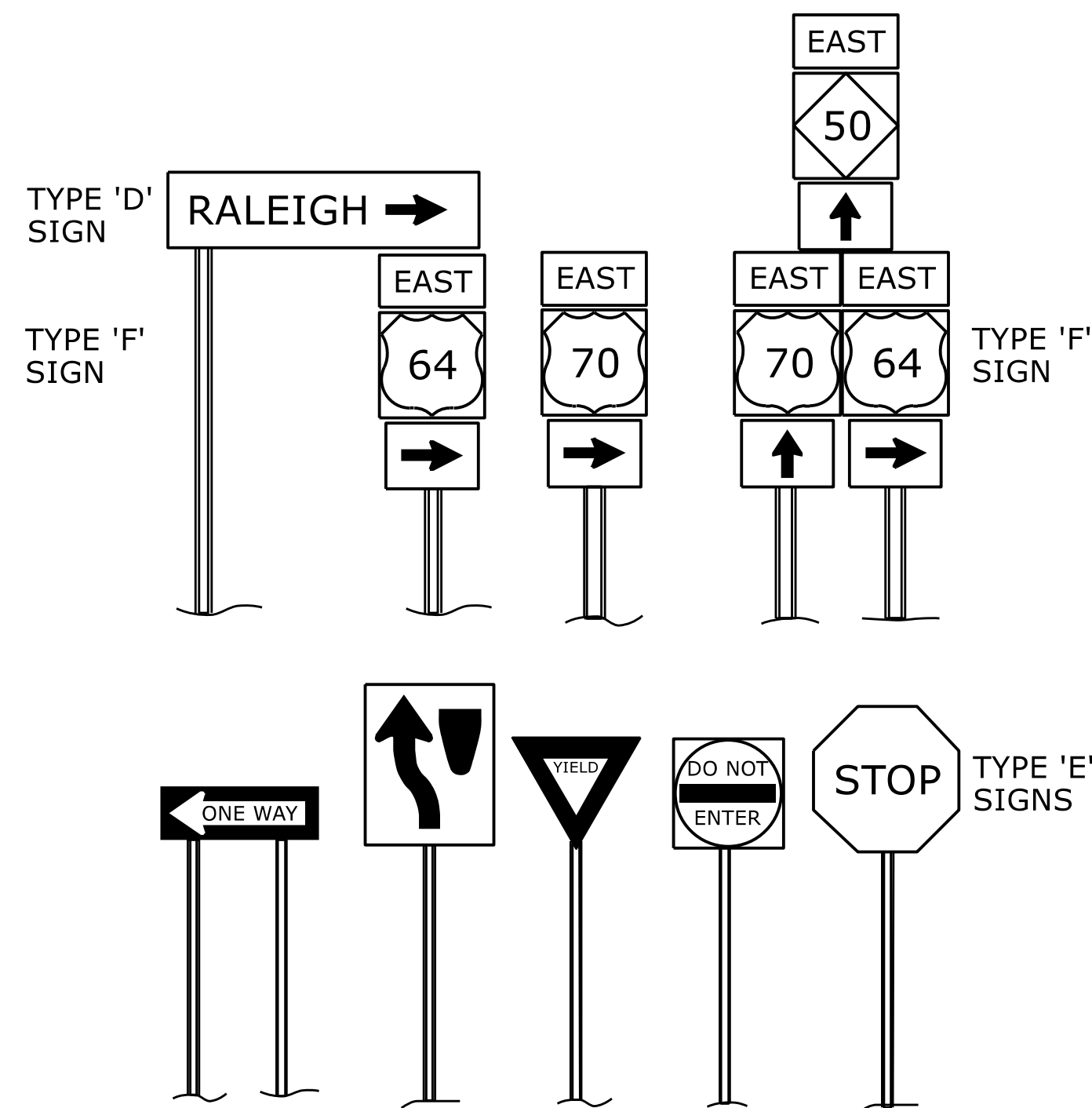
ROADWAY DETAIL DRAWING FOR

**MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS**

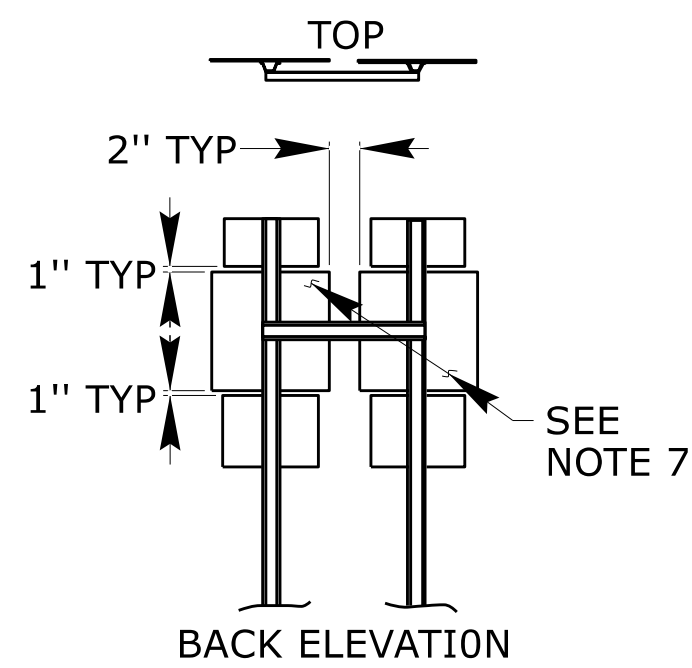
SHEET 1 OF 2
904D50



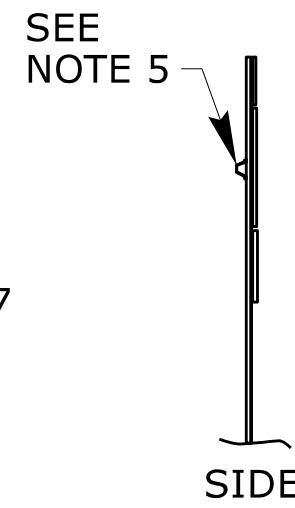
HORIZONTAL AND VERTICAL CLEARANCES



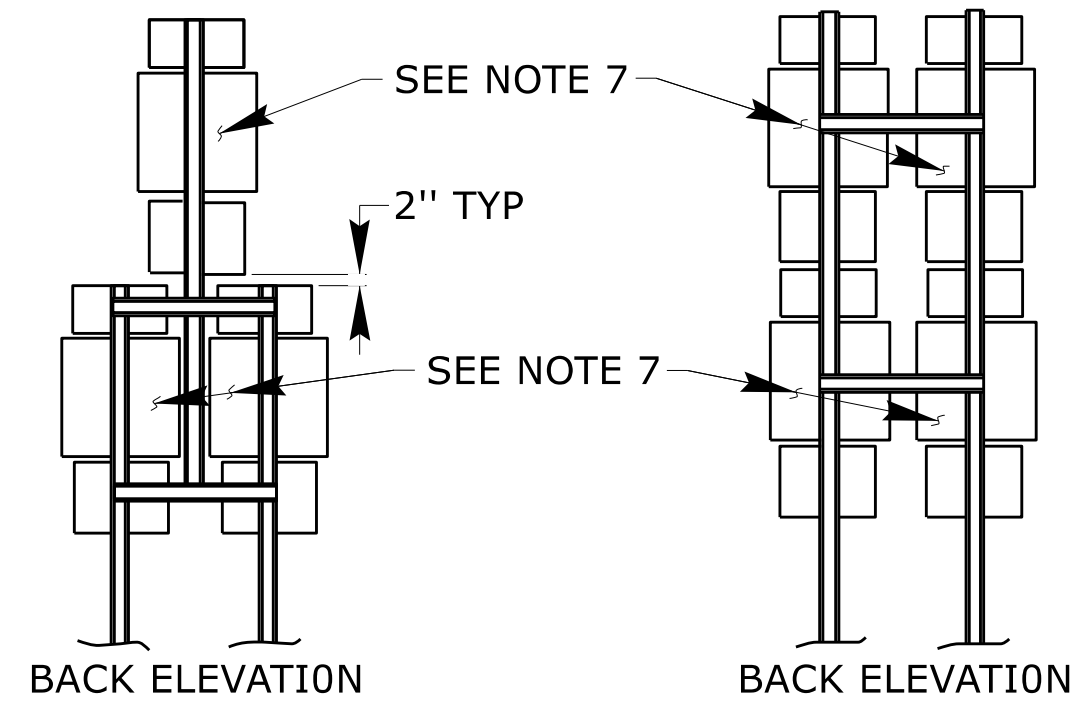
TYPICAL SIGN SHAPES AND COMBINATIONS



BACK ELEVATION



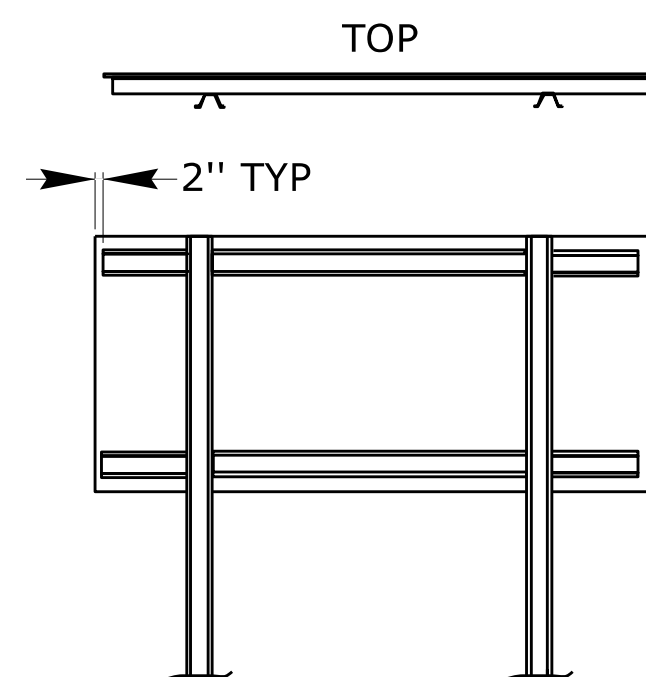
SIDE



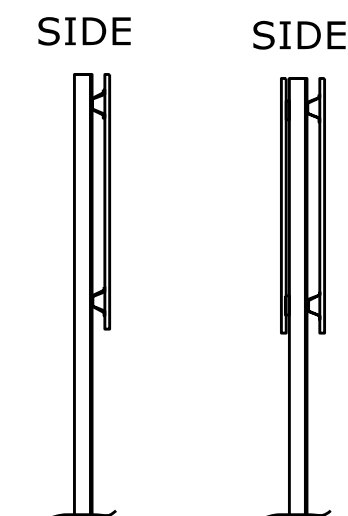
BACK ELEVATION

BACK ELEVATION

FRAMING AND CROSS-BRACING DETAILS TYPE 'F' SIGNS

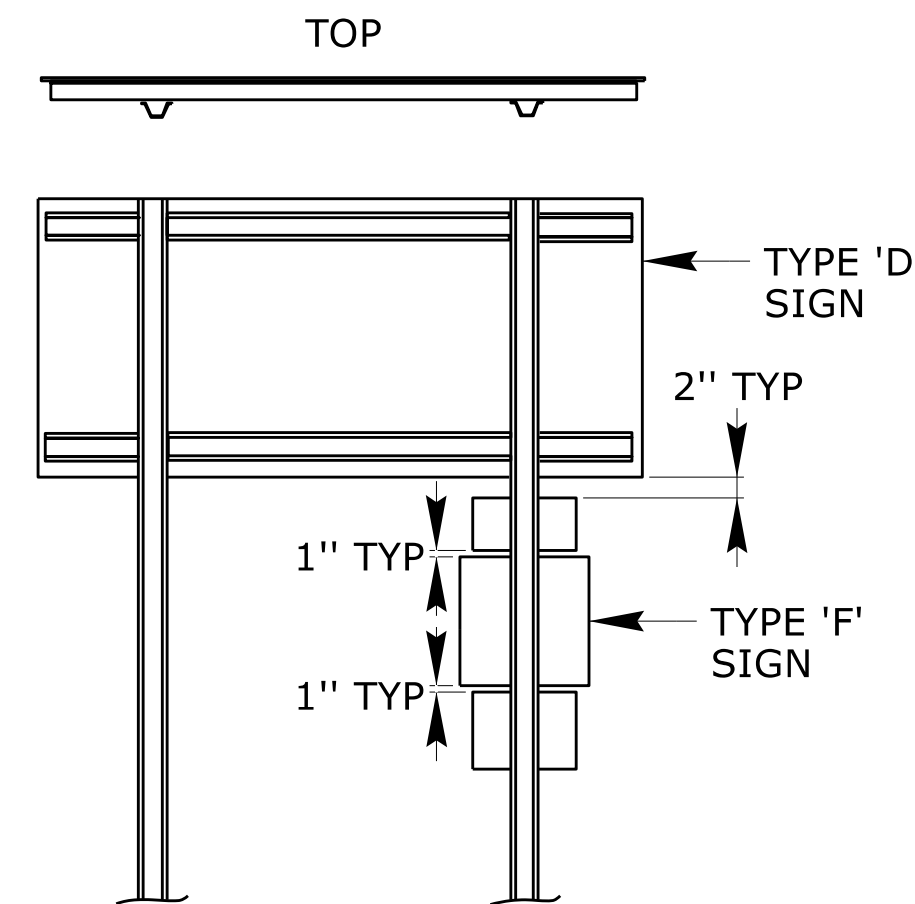


TYPE 'D' & 'E' SIGN CROSS BRACING



BACK-TO-BACK MOUNT

FRAMING AND CROSS-BRACING DETAILS
FOR COMBINATION TYPE 'D' & 'E' SIGNS
WIDE SIDE OF CROSS BRACE GOES TO BACK OF SIGN



FRAMING AND CROSS-BRACING DETAILS
FOR COMBINATION TYPE 'D' & 'F' SIGNS
WIDE SIDE OF FLANGE GOES TO BACK OF 'F' SIGN

NOTES:

1. ERECT TYPE 'D', 'E', AND 'F' SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER 'D', 'E', AND 'F' SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
2. ERECT TYPE 'D', 'E', AND 'F' SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
3. THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES 'D', 'E', AND 'F' SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
4. ATTACH SIGN WITH 3/8" HEX HEAD BOLT, NYLON WASHER, SHIM, FLAT WASHER, LOCK WASHER, HEX NUT. NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEET# 2 OF 904.50.
5. FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES WITH APPROVED ZINC PAINT.
6. INSTALL SUPPORT AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE 'D' AND 'F' SIGNS.
7. THE SHIELD HEIGHTS IN THESE ASSEMBLIES CANNOT BE LARGER THAN 24".
8. IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN SUPPORTS. NO MORE THAN TWO SUPPORTS SHALL FALL WITHIN 7FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.