HORIZONTAL SIGN DIMENSION (W)

VERTICAL SIGN DIMENSION (V)

ONE POST PER SIGN

V \ W	0.3	0.6	0.9	1.2	1.5
0.30	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90
0.45	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90
0.60	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90
0.75	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90
0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 0.90	0.102 Ø 0.90
1.20	0.075 Ø 0.90	0.075 Ø 0.90	0.075 Ø 1.05	0.102 Ø 1.05	0.102 Ø 1.05
1.50	0.075 Ø 0.90	0.075 Ø 0.90	0.102 Ø 1.05	0.102 Ø 1.05	0.127 Ø 1.05
1.80	0.075 Ø 0.90	0.102 Ø 0.90	0.102 Ø 0.90	0.127 Ø 0.90	0.127 Ø 0.90
2.10	0.075 Ø 0.90	0.102 Ø 0.90	0.102 Ø 0.90	0.127 Ø 0.90	0.127 Ø 1.05
2.40	0.075 Ø 0.90	0.102 Ø 0.90	0.127 Ø 0.90	0.127 Ø 1.05	0.152 Ø 1.20
2.70	0.075 Ø 0.90	0.102 Ø 0.90	0.127 Ø 1.05	0.152 Ø 1.20	0.152 Ø 1.20
3.00	0.075 Ø 0.90	0.127 Ø 0.90	0.127 Ø 1.05	0.152 Ø 1.20	0.152 Ø 1.65
3.30	0.102 Ø 0.90	0.127 Ø 0.90	0.152 Ø 1.05	0.152 Ø 1.35	0.203 Ø 1.50
3.60	0.102 Ø 0.90	0.127 Ø 0.90	0.152 Ø 1.20	0.152 Ø 1.35	0.203 Ø 1.50
3.90	0.102 Ø 0.90	0.127 Ø 1.05	0.152 Ø 1.20	0.203 Ø 1.50	0.203 Ø 1.65
4.20	0.102 Ø 0.90	0.127 Ø 1.05	0.152 Ø 1.35	0.203 Ø 1.50	0.203 Ø 1.65
4.50	0.102 Ø 0.90	0.152 Ø 1.05	0.152 Ø 1.35	0.203 Ø 1.65	0.203 Ø 1.80
4.80	0.102 Ø 0.90	0.152 Ø 1.20	0.203 Ø 1.35	0.203 Ø 1.65	0.203 Ø 1.80

TWO POSTS PER SIGN

V \ W	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
0.30	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90
0.45	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S100x14.1 0.90	S100x14.1 0.90
0.60	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90
0.75	S75x8 0.90	S5x8 0.90	S75x8 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90
0.90	S75x8 0.90	S75x8 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S150x19 1.05	S150x19 0.90	S150x19 0.90
1.20	S100x14.1 1.05	S100x14.1 1.05	S100x14.1 1.05	S100x14.1 1.20	S100x14.1 1.05	S150x19 1.05	S150x19 1.05	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.05
1.50	S100x14.1 1.05	S100x14.1 1.20	S100x14.1 1.20	S150x19 1.35	S150x19 1.20	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x19 1.20
1.80	S100x14.1 1.20	S150x19 1.20	S150x19 1.35	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x19 1.20	S150x26 1.20	S150x26 1.35	S200x27 1.35
2.10	S150x19 1.20	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x26 1.20	S150x26 1.35	S200x27 1.35	S200x27 1.35	S200x27 1.50
2.40	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x19 1.20	S150x26 1.35	S200x27 1.35	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65
2.70	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x26 1.20	S150x26 1.35	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	S200x27 1.65	S200x27 1.65
3.00	S150x19 1.05	S150x19 1.20	S150x26 1.35	S150x26 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	S200x27 1.65	S200x27 1.80	W250x28 1.80	W250x28 1.95
3.30	S150x19 1.20	S150x26 1.35	S150x26 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	S200x27 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x28 2.10
3.60	S50x19 1.20	S150x26 1.35	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10
3.90	S150x26 1.20	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x33 2.10
4.20	S150x26 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x39 2.25	W250x39 2.25
4.50	S200x27 1.35	S200x27 1.50	S200x27 1.65	S200x27 1.65	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x39 2.25	W250x45 2.25	W250x45 2.40
4.80	S200x27 1.50	S200x27 1.50	S200x27 1.65	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x39 2.25	W250x45 2.25	W250x45 2.40	W250x45 2.55

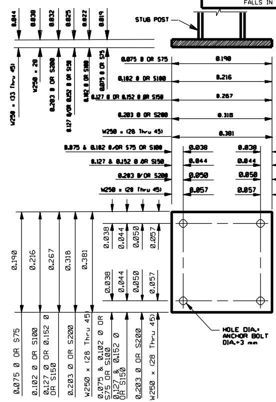
USE 3 m WIDTH IF SIZE FALLS IN THIS AREA

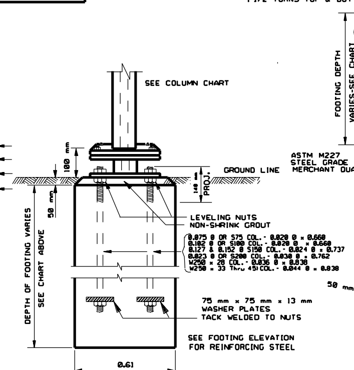
THREE POSTS PER SIGN

V \ W	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3
0.30	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90
0.45	S75x8 0.90	S75x8 0.90	S75x8 0.90	S75x8 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90
0.60	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90
0.75	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S150x19 0.90	S150x19 0.90
0.90	S100x14.1 0.90	S100x14.1 0.90	S100x14.1 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.05
1.20	S150x19 1.05	S150x19 1.05	S150x19 0.90	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.05
1.50	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.05	S150x19 1.20	S150x19 1.20	S150x19 1.20	S150x26 1.20
1.80	S150x19 1.05	S150x19 1.20	S150x19 1.20	S150x26 1.20	S150x26 1.20	S150x26 1.35	S200x27 1.35	S150x26 1.35
2.10	S150x26 1.20	S150x26 1.20	S150x26 1.35	S200x27 1.35	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.50
2.40	S200x27 1.35	S200x27 1.35	S200x27 1.35	S200x27 1.50	S200x27 1.50	S200x27 1.50	S200x27 1.65	S200x27 1.65
2.70	S200x27 1.50	S200x27 1.50	S200x27 1.50	S200x27 1.50	S200x27 1.65	S200x27 1.65	W250x28 1.65	W250x28 1.80
3.00	S200x27 1.65	S200x27 1.80	S200x27 1.80	S200x27 1.80	W250x28 1.80	W250x28 1.95	W250x28 1.95	W250x28 1.95
3.30	S200x27 1.65	S200x27 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x28 1.95	W250x28 2.10	W250x33 2.10
3.60	W250x28 1.65	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x33 2.10
3.90	W250x28 1.80	W250x28 1.80	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x33 2.10	W250x33 2.10	W250x33 2.25
4.20	W250x28 1.95	W250x33 1.95	W250x33 2.10	W250x33 2.10	W250x33 2.10	W250x39 2.25	W250x39 2.25	W250x45 2.40
4.50	W250x33 1.95	W250x33 2.10	W250x33 2.10	W250x39 2.25	W250x39 2.25	W250x39 2.25	W250x45 2.40	W250x45 2.40
4.80	W250x33 2.10	W250x33 2.10	W250x39 2.25	W250x39 2.25	W250x45 2.40	W250x45 2.40	W250x45 2.55	W250x45 2.55

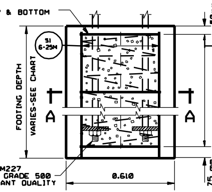
WIDTH W (m)	SPACING FOR POSTS
0.30-1.50	ONE POST
1.80	0.30•1.20•0.30
2.10	0.30•1.50•0.30
2.40	0.30•1.80•0.30
2.70	0.30•2.10•0.30
3.00	0.30•2.40•0.30
3.30	0.45•2.40•0.45
3.60	0.60•2.40•0.60
3.90	0.75•2.40•0.75
4.20	0.90•2.40•0.90
4.50	1.05•2.40•1.05
4.80	1.20•2.40•1.20
5.10	0.30•2.25•2.25•0.30
5.40	0.30•2.40•2.40•0.30
5.70	0.45•2.40•2.40•0.45
6.10	0.65•2.40•2.40•0.65
6.40	0.800•2.40•2.40•0.80
6.70	0.95•2.40•2.40•0.95
7.00	1.10•2.40•2.40•1.10
7.30	1.25•2.40•2.40•1.25

(•)REPRESENTS ONE POST



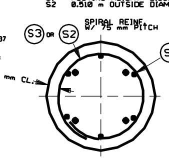


FOOTING DETAILS

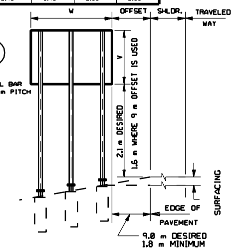


FOOTING ELEVATION

BAR	LENGTH
S1	FOOTING HEIGHT- 0.050 m
S2	0.510 m OUTSIDE DIAMETER



SECTION A - A



REAR ELEVATION

NOTES:

1. ENTER CHART WITH KNOWN HORIZONTAL AND VERTICAL DIMENSIONS OF SIGN. PROCEED HORIZONTALLY AND VERTICALLY FROM GIVEN DIMENSIONS TO INTERSECTING SQUARE WHICH GIVES IN ORDER, TOP: NUMBER, SIZE AND WEIGHT OF SUPPORT SECTION OR OF STANDARD STRENGTH PIPE COLUMNS. BOTTOM: MINIMUM REQUIRED DEPTH OF FOOTING.
2. SEE STD. DWG. 745-50B FOR MATERIAL SPECIFICATIONS NOT GIVEN AND GENERAL NOTES.
3. SIGNS SHALL NOT BE ATTACHED BELOW HINGE POINT.
4. W-SHAPES AND S-SHAPES UNITS ARE IN MILLIMITERS AND kg/m.

ALL DIMENSIONS ARE SHOWN IN METERS (m) UNLESS OTHERWISE SHOWN.

REVISIONS

NO.	DATE	APPR.	REMARKS
1	07/14/98		CHANGED DIMENSION IN REAR ELEVATION DETAIL
2	01/25/99	G.S.	REVISE FOOTING DETAIL.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — FEB.09,1999 DATE

CHAIRMAN STANDARDS COMMITTEE APPROVED

DEPUTY DIRECTOR — FEB.09,1999 DATE

(METRIC)

GROUND MOUNTED SIGNS INSTALLATION DETAILS

STANDARD DRAWING TITLE

STD. DWG. NO.
745-50A