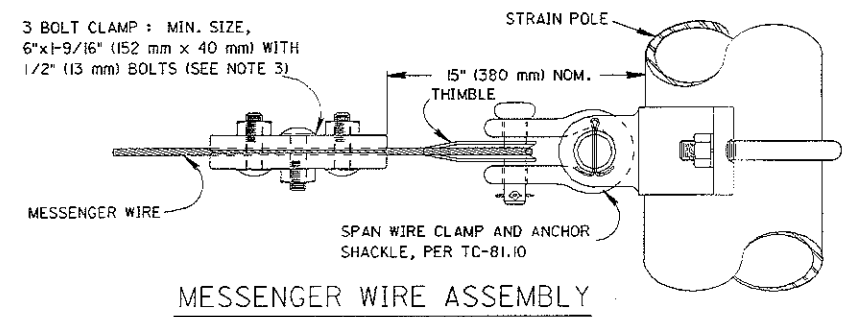


DESIGN NO. (SEE NOTE 1)	POLE HEIGHT (FT)	BASE MOMENT AT YIELD (FT. KIPS)	MESSENGER WIRE MIN. DIA. (INCHES)
4	26	101.0	5/16
5	30	121.0	3/8
6	30	149.0	3/8
7	30	176.0	3/8
8	30	206.0	3/8
9	30	228.0	7/16
10	32	270.0	7/16
11	32	316.0	7/16
12	32	385.0	1/2

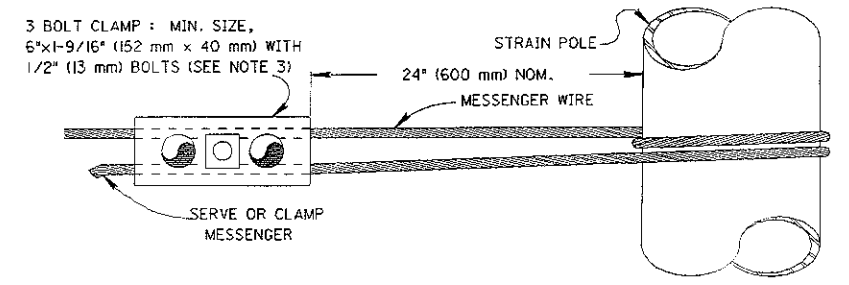
METRIC UNITS			
DESIGN NO. (SEE NOTE 1)	POLE HEIGHT	BASE MOMENT AT YIELD (newton meter)	MESSENGER WIRE MIN. DIA.
4	7.9 m	137,000	8 mm
5	9.1 m	164,000	10 mm
6	9.1 m	202,000	10 mm
7	9.1 m	243,000	10 mm
8	9.1 m	279,000	10 mm
9	9.1 m	309,000	11 mm
10	9.8 m	366,000	11 mm
11	9.8 m	428,000	11 mm
12	9.8 m	522,000	13 mm

NOTES

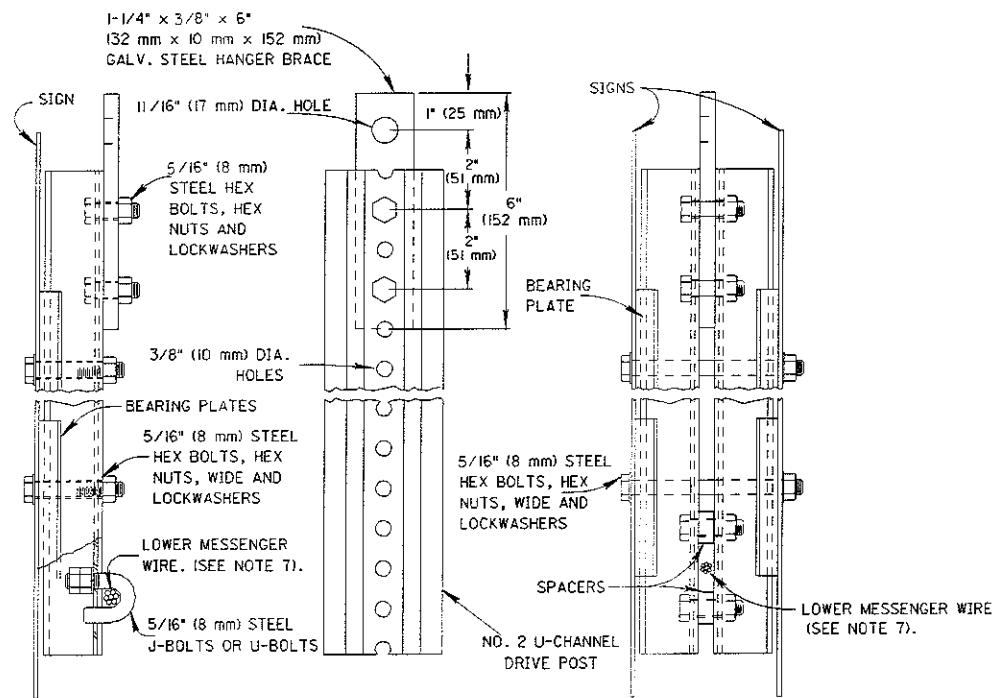
- For details of poles and appurtenances see TC-81.10. Poles for span wire support design numbers are identical with poles of the same design number on TC-81.10.
- For foundation details, see drawing TC-21.20.
- Preformed guy grips shall not be used to attach the messenger wire to the span wire clamps.
- Bearing plates shall conform to details on drawing TC-41.20.
- Assemble the upper messenger wire with signs installed, and adjust proper clearance to the bottom of the sign with a sag between 4% and 5%. Position the signs on brackets such that after erection is completed the signs are approximately centered vertically on the wires.
- Assemble and adjust the lower messenger wire with a sag approximately 3" (75 mm) greater than the upper wire. Adjust the sag prior to any fastening of sign hangers to the lower wire.
- Clamp sign hangers snugly to the lower wire. J or U-Bolts shall have double nuts. On back-to-back signs, spacers shall be 1/16" (1.6 mm) less than the messenger wire diameter.
- Install strain poles with an initial outward rake of 3" TO 5" (75 mm TO 125 mm).
- Spacers for sign hanger assemblies may be aluminum or galvanized steel.



MESSENGER WIRE ASSEMBLY



ALTERNATE MESSENGER WIRE ASSEMBLY



SINGLE SIGN
BACK TO BACK SIGNS
SIGN HANGER ASSEMBLY, SPAN WIRE, TYPE I.

