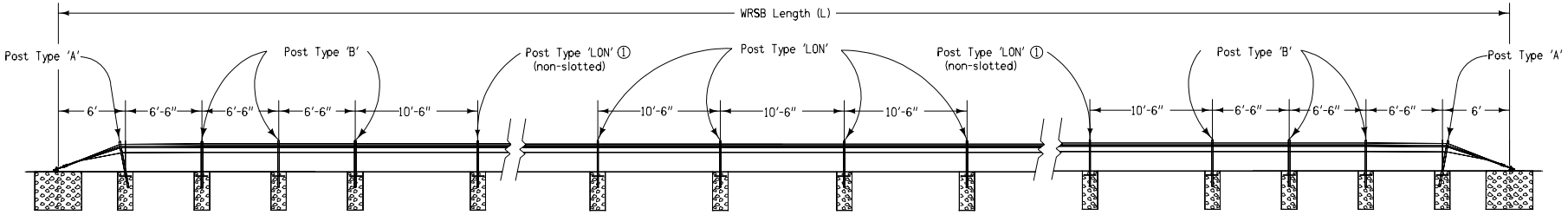
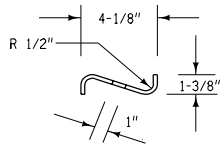
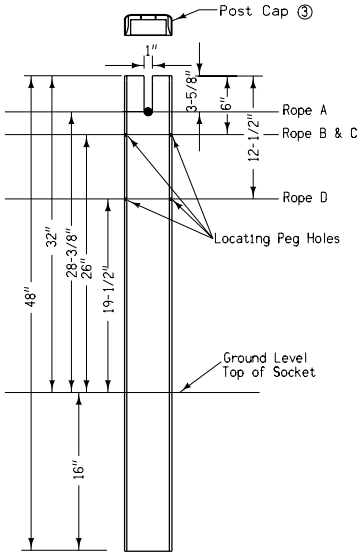


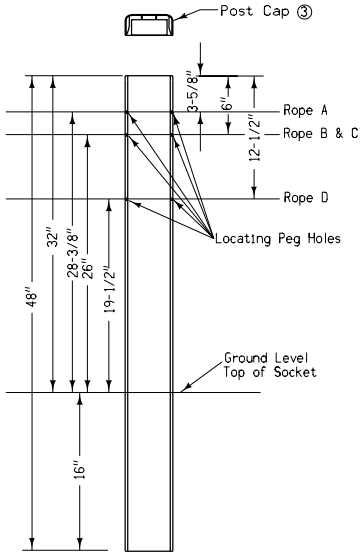


Plan View



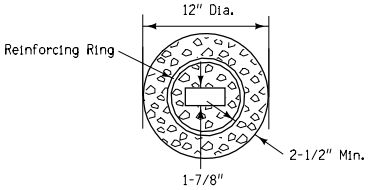
Elevation View

Post Type 'LON'

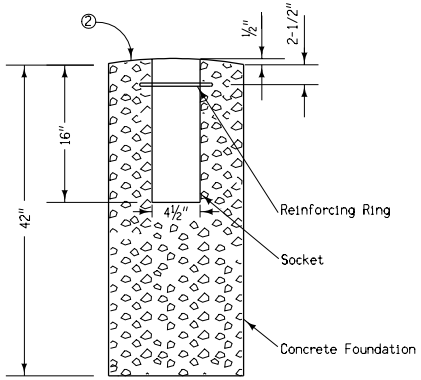


Elevation View

Post Type 'LON'
(Non-slotted)



Plan View



Elevation View

Concrete Foundation
With Socket
(Posts 5 and greater)

TENSION CHART	
Ambient Temperature	Rope Tension
F	LBS
100	2110
95	2531
86	3150
77	3769
68	4387
59	5006
50	5625
41	6244
32	6863
23	7481
14	8100
0	9100

① Posts 5 thru 19 are non-slotted line posts.

② Slightly dome top of concrete foundations to minimize drainage into socket.

③ Every 4th 'LON' post shall have an amber reflector on one side (facing traffic).

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RE-80(2)**

REVISION: NEW.

REVISION NO. NEW

REVISION DATE 10-19-04

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

WIRE ROPE SAFETY BARRIER
(Sheet 2 of 2)