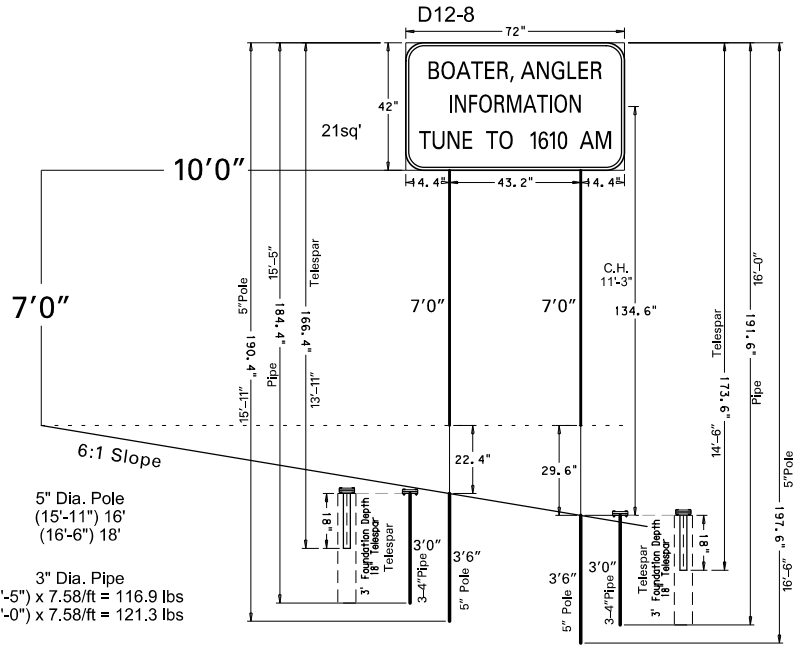
Special Construction



5" Dia. Pole
(15'-11") 16'
(16'-6") 18'

3" Dia. Pipe
(15'-5") x 7.58/ft = 116.9 lbs
(16'-0") x 7.58/ft = 121.3 lbs

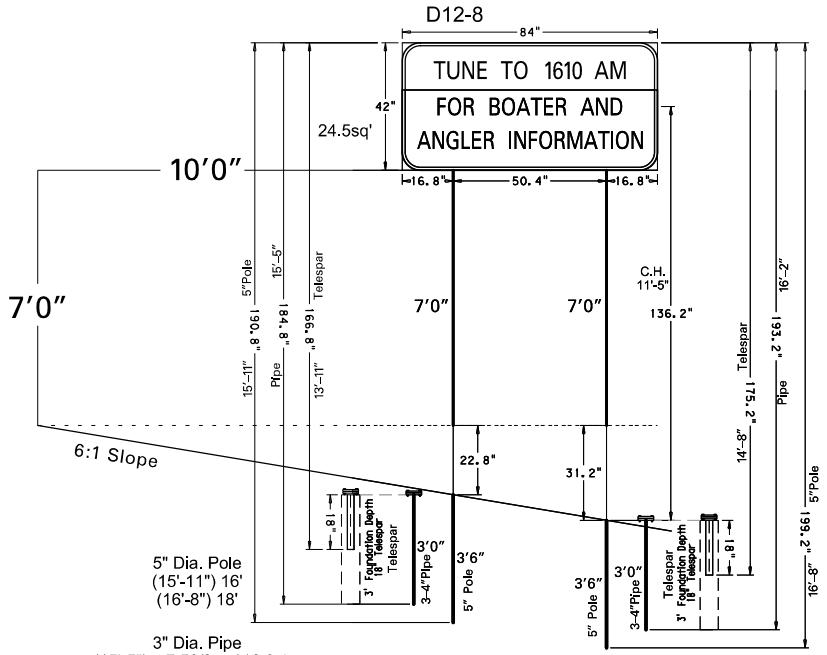
2 1/4" & 2 1/2" Tele.
(13'-11") 13.917 x 2.77/lbs = 37.6 lbs
(14'-6") 14.5 x 2.77/lbs = 40.2 lbs
(13'-11") 13.917 x 3.14/lbs = 43.7 lbs
(14'-6") 14.5 x 3.14/lbs = 45.5 lbs
+ 2 x 3" Sq.Tube Support 22.98/lbs ea = 45.96
= Total 213 lbs

5" Pole – 3'-6" Embedment
X Standard Breakaway Device

3" Pipe – 3' Embedment Back Bracing on Standard Warning Signs
■ Frangible Breakaway
X Behind Guardrail–Standard Breakaway

2–1/4"&2–1/2" Telescoped – 18" Telespar-3' Foundation
★ w/Slip Base Breakaway

D12-8



5" Dia. Pole
(15'-11") 16'
(16'-8") 18'

3" Dia. Pipe
(15'-5") x 7.58/ft = 116.9 lbs
(16'-2") x 7.58/ft = 122.5 lbs

2 1/4" & 2 1/2" Tele.
(13'-11") 13.917 x 2.77/lbs = 38.6 lbs
(14'-8") 14.667 x 2.77/lbs = 40.6 lbs
(13'-11") 13.917 x 3.14/lbs = 43.7 lbs
(14'-8") 14.667 x 3.14/lbs = 46.1 lbs
+ 2 x `3" Sq.Tube Support 22.98/lbs ea = 45.96
= Total 215 lbs

Telespar Calcs
(Sign Height + Mounting Height + Slope Height) = Support Length
(Support Length x Post Weight(s)) + Foundation Weight(s) x #Posts

ROUND PIPE SUPPORT	
TUBE SIZE	WEIGHT
3"	7.58 lbs/ft
3½"	9.11 lbs/ft
4"	10.79 lbs/ft
5"	14.62 lbs/ft

SQUARE TUBE SUPPORT	
TUBE SIZE	WEIGHT
2"	2.42 lbs/ft
2¼"	2.77 lbs/ft
2½"	3.14 lbs/ft
SQUARE TUBE ANCHOR	
TUBE SIZE	WEIGHT
2½"	18.36 lbs ea.
3"	22.98 lbs ea.

For estimating purposes only.

○ SINGLE SQUARE TUBE WITH SLIP BASE BREAKAWAY REQUIRED. SEE DETAILED DRAWING 619-14

▲ SINGLE SQUARE TUBE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB. SEE DETAILED DRAWING 619-14

X STANDARD BREAKAWAY DEVICE.
- FOR WOOD POST SEE DETAILED DRAWING 619-20.
- FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13.
- FOR STEEL POST SEE DETAILED DRAWING 619-12.

★ TELESCOPED SQUARE TUBES (56mm & 64mm) WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB. SEE DETAILED DRAWING 619-14.

■ FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED. SEE SPECIAL PROVISIONS.

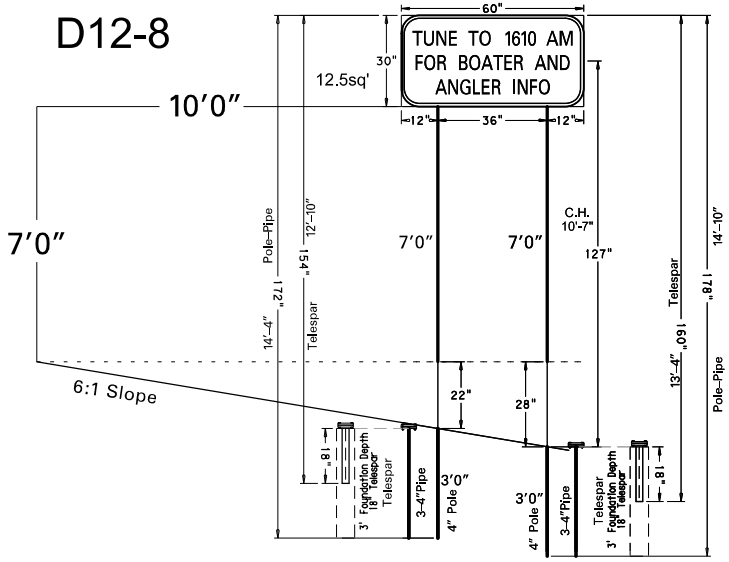
BB REQD. = BACKBRACING REQUIRED

4" Pole – 3' Embedment

3" Pipe – 3' Embedment Back Bracing on Standard Warning Signs
■ Frangible Breakaway
X Behind Guardrail–Standard Breakaway

2–1/2" Single – 18" Telespar-3' Foundation
▲ Single Post w/Heavy Duty Stub
● Dble Post w/Slip Base Breakaway – Small Guide

D12-8



4" Dia. Pole
(14'-4") 16'
(14'-10") 16'

3" Dia. Pipe
(14'-4") x 7.58/ft = 108.6 lbs
(14'-10") x 7.58/ft = 112.4 lbs

2 1/4" & 2 1/2" Tele
(14'-4") 14.333 x 2.77/lbs = 39.7 lbs
(14'-10") 14.833 x 2.77/lbs = 41.1 lbs
(14'-4") 14.333 x 3.14/lbs = 38.72 lbs
(14'-10") 14.833 x 3.14/lbs = 40.3 lbs
+ 2 x 2 1/2" Sq.Tube Support 18.36/lbs ea = 36.72
= Total 196.54 lbs