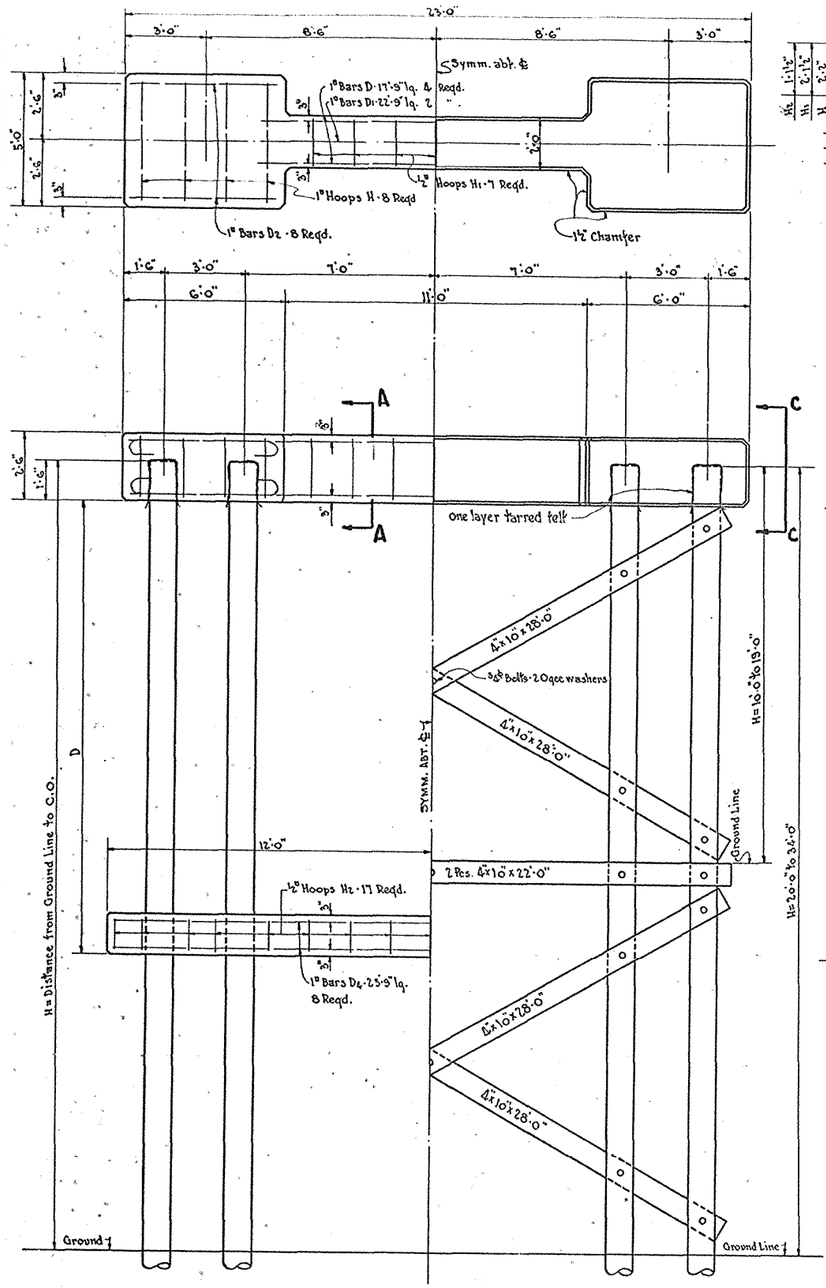
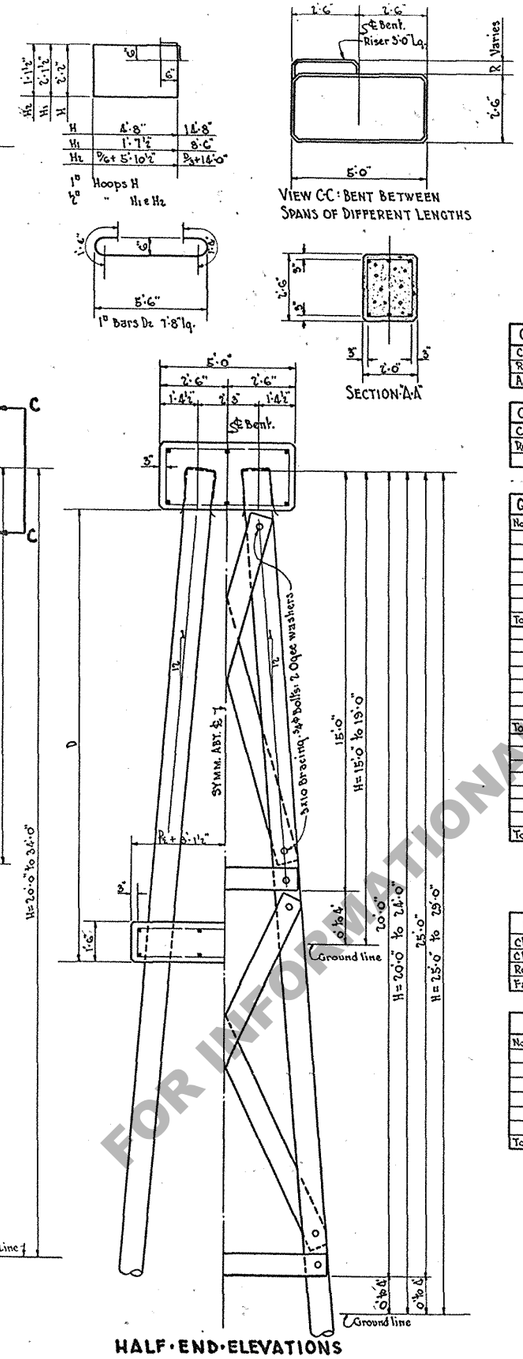


HALF · ELEVATIONS

CONCRETE BRACING TIMBER BRACING



HALF · END · ELEVATIONS

CONCRETE BRACING TIMBER BRACING

DETAIL OF INTERMEDIATE BENT

MAX. PILE LOAD - 12.5 TONS

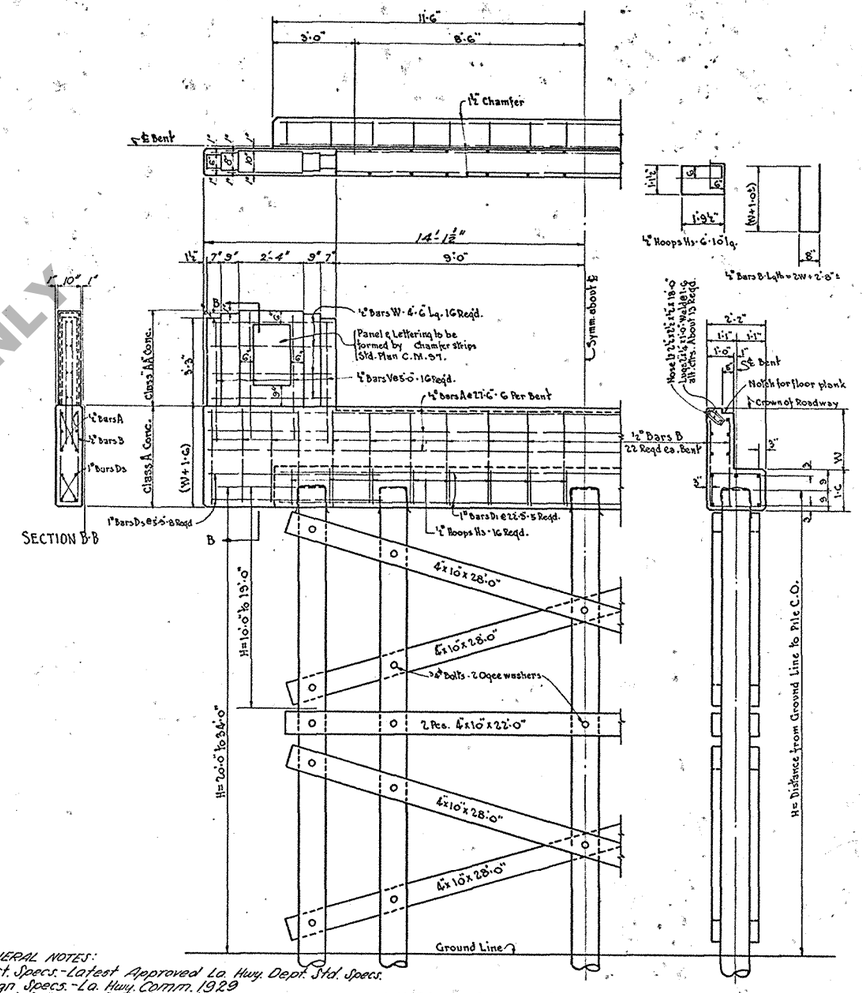
QUANTITIES FOR ONE INTERM. BENT.	
Class A Conc. in Cap.	7.24 C.Y.
Reinf. Steel " "	1055#
Additional Conc. for Riser (One Cap)	.556 C.Y.

QUANTITIES FOR CONCRETE BRACING		
Class "A" Concrete	(.222D+7.98)	Cu. Yds.
Reinforcing Steel	(4.81D+648)	Pounds

QUANTITIES FOR TIMBER BRACING		
No. Planks	Size & Length	F.B.M.
	H= 10'-0" to 15'-0"	
4	4"x10"x28'-0"	373
	H= 15'-0" to 19'-0"	
4	4"x10"x28'-0"	373
8	3"x10"x11'-6"	230
8	3"x10"x5'-6"	110
Total	Creos. Lbr.	713
	H= 20'-0" to 26'-0"	
8	4"x10"x28'-0"	747
4	4"x10"x22'-0"	293
8	3"x10"x7'-6"	150
8	3"x10"x4'-6"	90
8	3"x10"x8'-6"	170
8	3"x10"x6'-0"	120
Total	Creo. Lbr.	1,570
	H= 25'-0" to 29'-0"	
8	4"x10"x28'-0"	747
4	4"x10"x22'-0"	293
8	3"x10"x10'-0"	200
8	3"x10"x5'-0"	100
8	3"x10"x11'-0"	220
8	3"x10"x7'-0"	140
Total	Creo. Lbr.	1,700

QUANTITIES FOR ONE END BENT		
Class "A" Concrete		.90 C.Y.
Class "A" Conc.	(1.0423W+2.5047)	Cu. Yds.
Reinf. Steel	(31.4W+955)	Pounds.
Fab. Struct. Steel		162 lbs.

QUANTITIES FOR TIMBER BRACING		
No. Planks	Size & Length	F.B.M.
	H= 10'-0" to 19'-0"	
2	4"x10"x28'-0"	187
Total	Creo. Lbr.	187
	H= 20'-0" to 34'-0"	
4	4"x10"x28'-0"	373
2	4"x10"x22'-0"	147
Total	Creos. Lbr.	520


11'-6"
3'-0"
8'-6"
1 1/2" Chamfer
℄ Bent
14'-12 1/2"
1'-5"
7'-9"
2'-4"
9'-7"
9'-0"
1/2" Bars W-6'-6" Lg. 16 Reqd.
Panel & Lettering to be formed by chamfer strips Std. Plan C.M.-97.
1/2" Bars V 6'-0" 16 Reqd.
1/2" Bars A @ 21'-6" 6 Per Bent
Symm. about ℄
1/2" Bars A
1/2" Bars B
1" Bars D3
Class "A" Conc.
Class "A" Conc.
SECTION B-B
1" Bars D3 @ 5'-0" 8 Reqd.
1" Bars D1 @ 22'-5" 5 Reqd.
1/2" Hoops H3-16 Reqd.
1/2" Bars B 22 Reqd. ea. Bent
4"x10"x28'-0"
H=10'-0" to 19'-0"
6"x10"x28'-0"
3/4" Bolts-2 Ogee washers
2 Pcs. 4"x10"x22'-0"
H=20'-0" to 34'-0"
H=Distance from Ground Line to Pile C.O.
Ground Line
1/2" Hoops H3-6'-10" lg.
1/2" Bars D-Lgth=2'-11"+2'-0"±
Hoops D1 2'-2" 1'-1" 1'-1" 1'-0" 1'-0" 1'-0