FIG. 1
Approx 37 Cu. Ft. Per Pier
67 Lbs. REINFORCING

FIG. 2
Approx. 29 Cu. Ft. Per Pier
32 Lbs. REINFORCING

REINFORCEMENT SCHEDULE

TYPE NO.	LOCATION	NUMBER OF UNITS	PER UNIT	TOTAL REQ'D.	SIZE	LENGTH	BENDING DIAGRAM	TOTAL LENGTH Fig 1 1/2"Ø		TOTAL LENGTH Fig 2 1/2"Ø
1-80	FIG. 1&2		2	2	1/2"Ø	6'-3"	1'-3" 1-80 1'-3"	6'-3"		6'-3"
6-80	FIG. 1&2		1	1	1/2"Ø	6'-7"	1'-4" 1'-4"	6'-7"		6'-7"
2-80	FIG. 1		6	6	1/2"Ø	8'-2"	5'-2" 3'-0" 12	49'-0"		
3-80	FIG. 2		4	4	1/2"Ø	7'-2"	4'-8" 2'-6" 12			28-8"
4-80	FIG. 1		10	10	1/2"Ø	3'-10"	STRAIGHT	38'-4"		
5-80	FIG. 2		2	2	1/2"Ø	3'-2"	STRAIGHT			6'-4"
							TOTALS	100'-2"		47'-6"

FOUNDATION BOLTS

A1 1/8"X4'-0"	FIG. 1			4	1 1/8"Ø	4'-0"	WITH 3"X3"X1/4" SQ. WASHERS, SQ. NUT BOTTOM END & GALV. HEX NUT TOP END. THREAD ENDS 3" & GALV. TOP END 15". SEE 25-122
A1"X3'-0"	FIG. 2			4	1"Ø	3'-0"	WITH 3"X3"X1/4" SQ. WASHERS, OTHERWISE SAME AS ABOVE. SEE 25-122

THE ABOVE MATERIAL COVERS ONE COMPLETE PIER

NOTES:—

1. BEVEL ALL EXPOSED EDGES 1".
2. DEPTH SHOWN IS MINIMUM. CARRY FOUNDATIONS DOWN TO SATISFACTORY BEARING.
3. FOR ELEVATION OF TOP OF FOUNDATION, SEE STATION "FOUNDATION & GRADING PLAN".

FIG. 1 – 10 000# UPLIFT
FIG. 2 – BEARING PIER ONLY

25-160	20000#
SEE ALSO	25-31 FOR HEAVY FOOTINGS-40000#

DES.	NO.	REVISION	DATE	BY
DR. BP	1	TRACED	12-24-41	BP
TR. LMB	2	CHD. ANCHOR BOLT TYPE	4-1-46	
CK. BP 10-4-38	3	1 1/8" ANCHOR BOLTS CHANGED TO 1 1/4" FIG 1	4-18-47	
APPR.	4	FIG. 1 ANCHOR BOLTS CHANGED BACK TO 1 1/8"	1-12-48	
	5	REDRAWN	12-30-60 7/8/76	
	6			

FOUNDATION DETAILS FOR 33KV. BUS STRUCTURE SUBSTATIONS GENERAL

CENTRAL MAINE POWER COMPANY
ENGINEERING DEPARTMENT
SCALE 1/2" = 1'-0" DATE 9-29-38

25-80

Fig. 1 15000# Gross Uplift (Not Incl. Concrete)
For Manchester Forms 18" Sq. Top Were Used 2-10-39

Fig. 2. Bearing Pier only

Checked Rev 5 1-23-61 RJK

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/24/17

5 8/9/99

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