

**M5-E6**

<b>PUBLIC WORKS OF CANADA</b> <b>ESQUIMALT, B.C.</b> <b>WHARF CONSTRUCTION</b> <b>PILING PLANS</b>	
Scales as Noted Surveyed by R.G. Traced by W.G.F. Made by R.G. Checked by B.F.T. New Westminster, B.C. Oct. 19/54 District No. C18.20	Sheet 2 of 10 Checked by R.G. Ottawa, Ont. 2.18.55 Approved by R.G. 18th 1955 Chief Engineer <b>PLAN No A-387</b>
A/District Engineer	

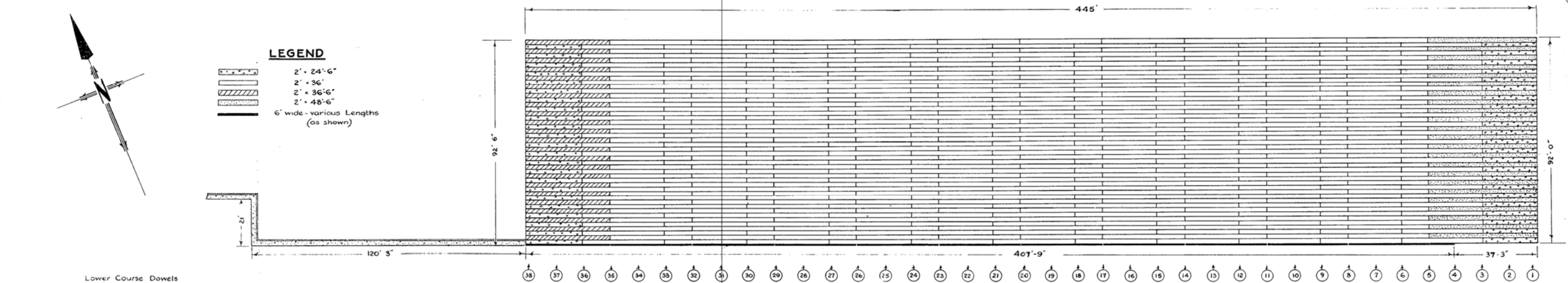


FIG. 4. PLAN OF DECKING (UNIT 2)  
Scale: 1 inch = 20 feet

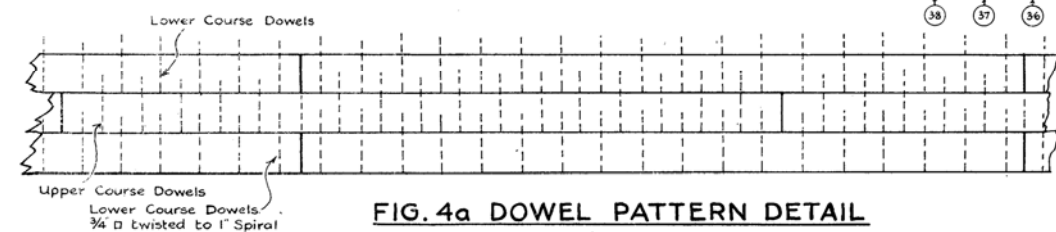


FIG. 4a DOWEL PATTERN DETAIL  
Scale: 1/4 inch = 1 foot

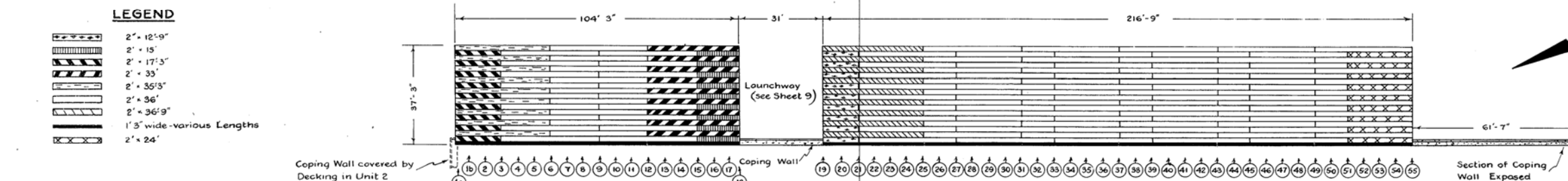


FIG. 5. PLAN OF DECKING (UNIT 1)  
Scale: 1 inch = 20 feet

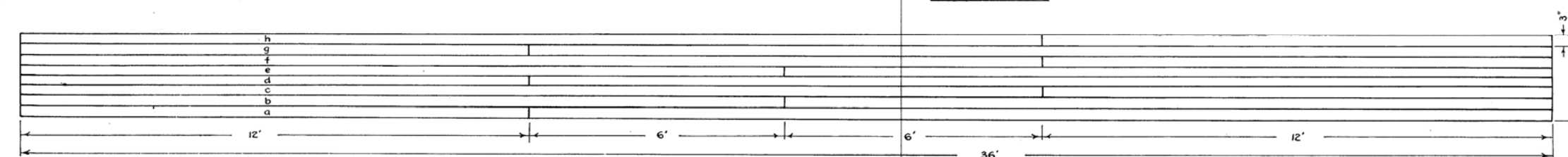


FIG. 6. PLAN OF 2' x 36' LAMINATED PANEL  
Scale: 1/4 inch = 1 foot

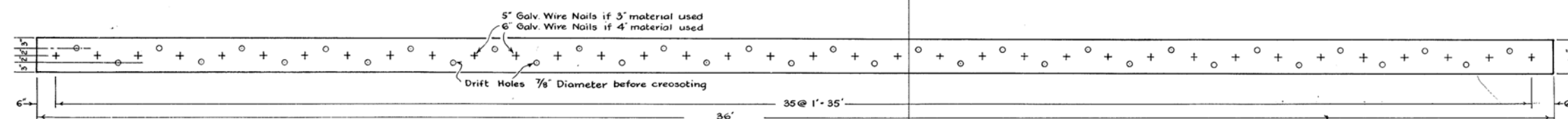


FIG. 7. NAILING PATTERN FOR b, d, f & h.  
Scale: 1/4 inch = 1 foot

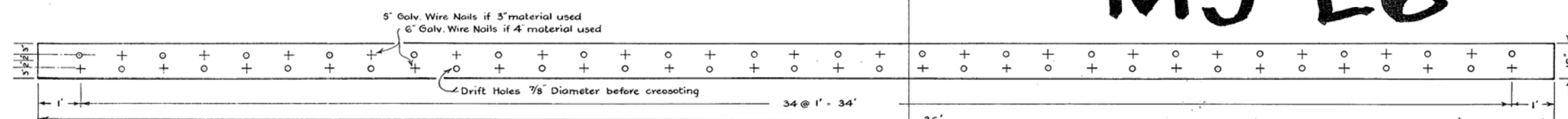


FIG. 8. NAILING PATTERN FOR a, c, e & g.  
Scale: 1/4 inch = 1 foot

M5-E6

PUBLIC WORKS OF CANADA  
ESQUIMALT, B.C.  
WHARF CONSTRUCTION  
DECKING DETAILS

Scales as Noted Sheet 3 of 10  
Surveyed by R.G. Traced by W.G.F. Checked by R.G. Ottawa, Feb. 2, 1954  
Made by R.G. Checked by B.F.T. Approved by R.G. 18th 1954  
New Westminster, B.C. Oct. 19/54  
District No. C18.20 Chief Engineer  
A/District Engineer  
PLAN No A-387  
C18.20

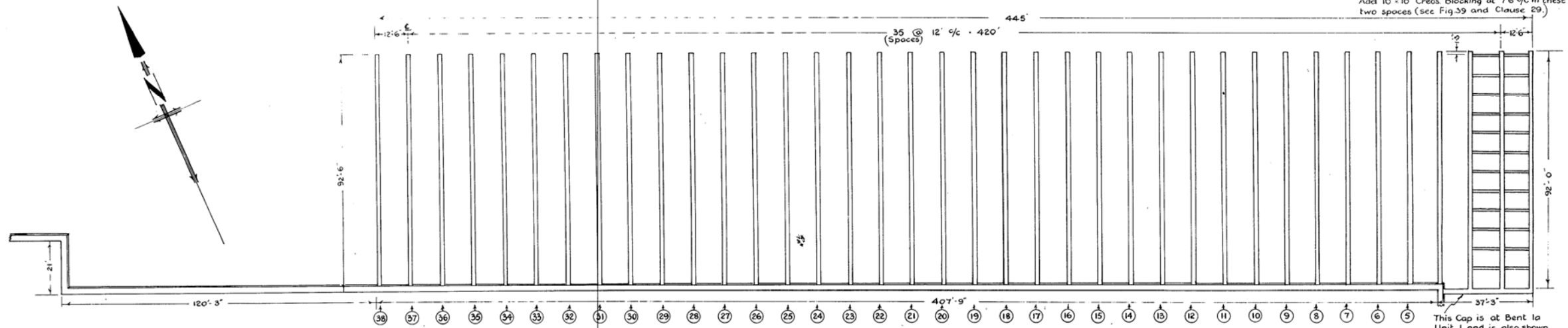
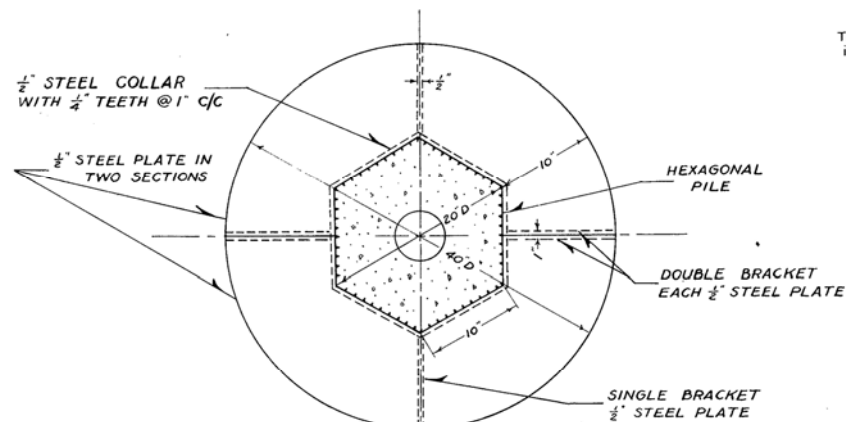
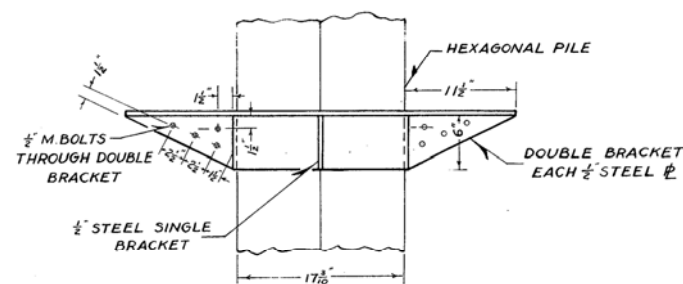


FIG. 9. SUPERSTRUCTURE PLAN (UNIT 2)

Scale: 1 inch = 20 feet



PLAN VIEW



ELEVATION

FIG. 11. DETAILS OF COLLARS FOR BRACING

Scales: 1/8 inch = 1 inch

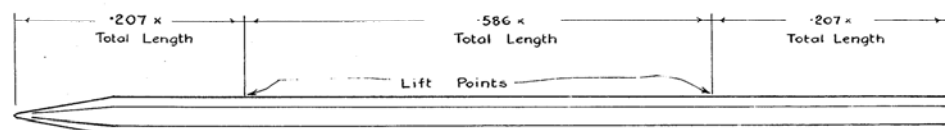


FIG. 12. LIFT POINT DETAILS

Not to Scale

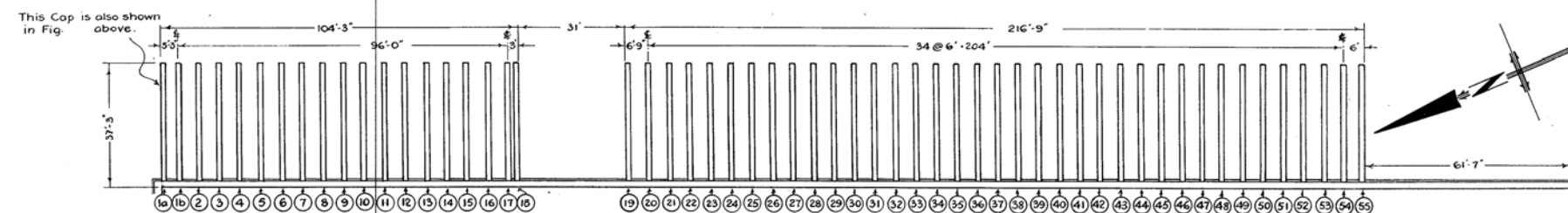
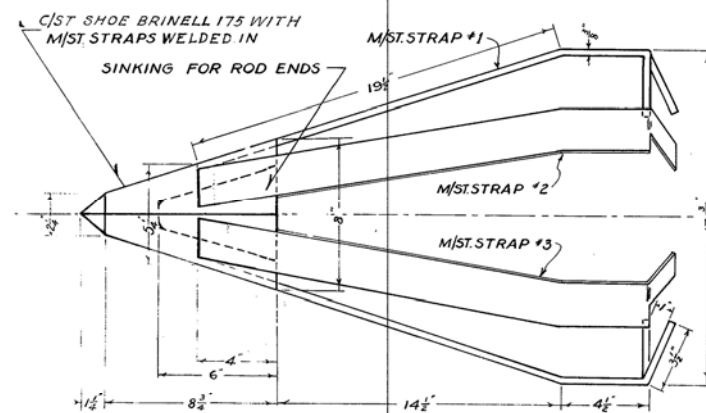
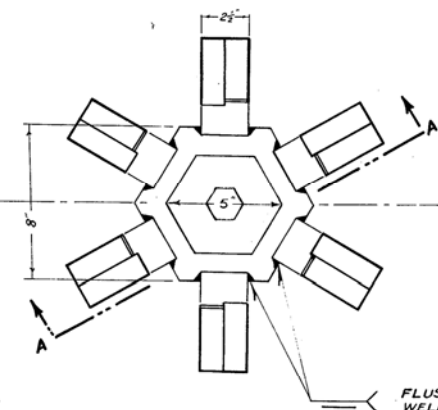


FIG. 10. SUPERSTRUCTURE PLAN (UNIT 1)

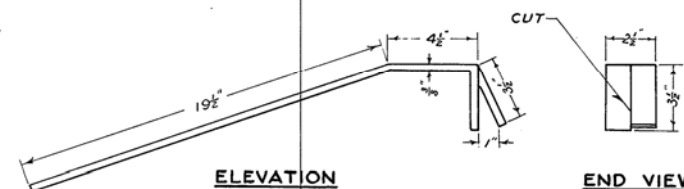
Scale: 1 inch = 20 feet



SIDE ELEVATION



END ELEVATION



STRAP DETAILS

FIG. 13. DETAILS OF PILE SHOES

Scales: 1 inch = 4 inches

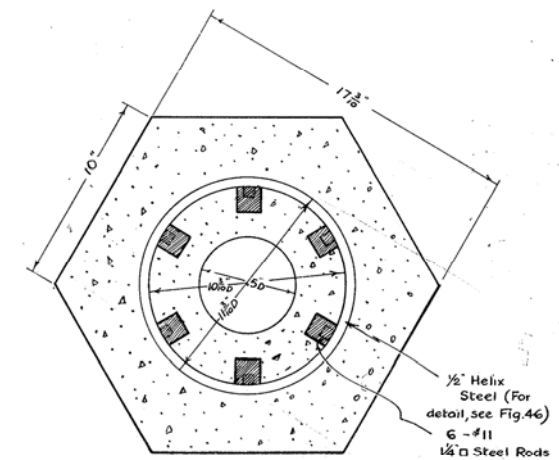
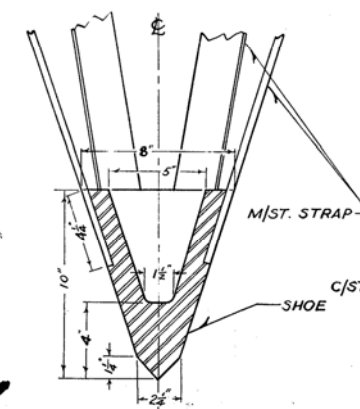


FIG. 14. TYPICAL SECTION OF AIR ENTRAINED HEXAGONAL R/C PILE (17-3" ACROSS FLATS)

Scale: 1 inch = 4 inches



CROSS SECTION A-A

PUBLIC WORKS OF CANADA			
ESQUIMALT, B.C.			
WHARF CONSTRUCTION			
SUPERSTRUCTURE & PILING DETAILS			
Scales as Noted		Sheet 4 of 10	
Surveyed by: R.E.	Traced by: W.R.F.	Checked: R.E.	Ottawa, Feb. 2, 1935
Made by: R.E.	Checked by: B.F.T.	Approved: February 18, 1935	
New Westminster, B.C. Oct. 19/54		Chief Engineer	
District No. C18.20			
District Engineer		PLAN No. A-387	



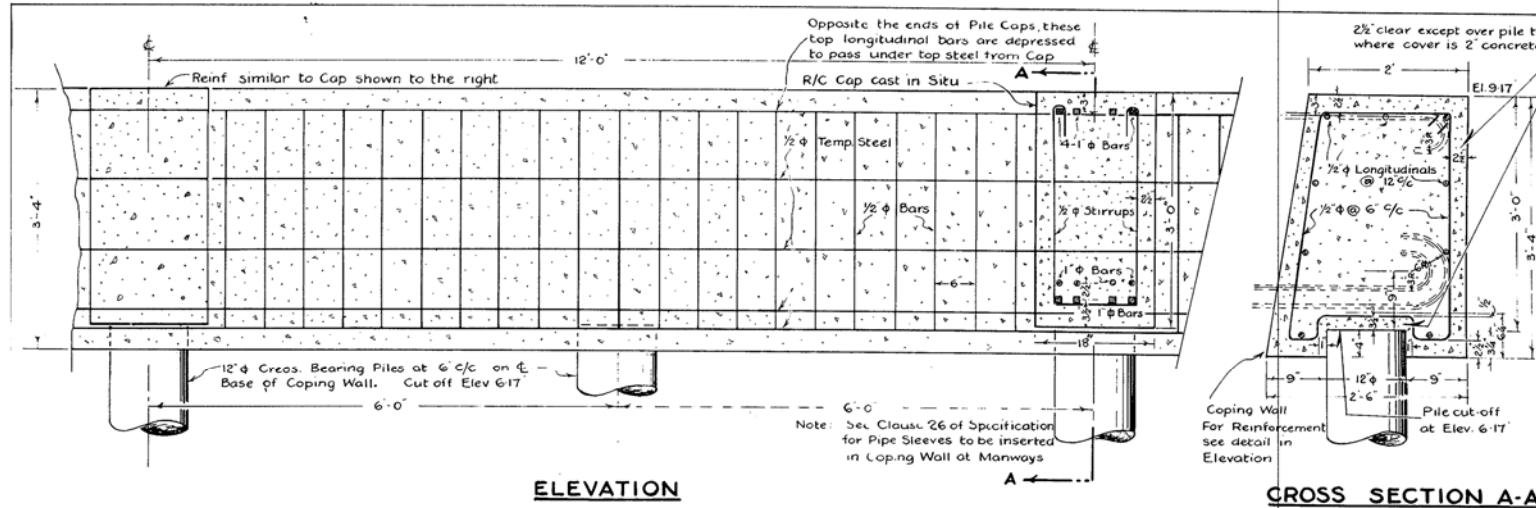


FIG. 15. COPING WALL (UNIT 2)

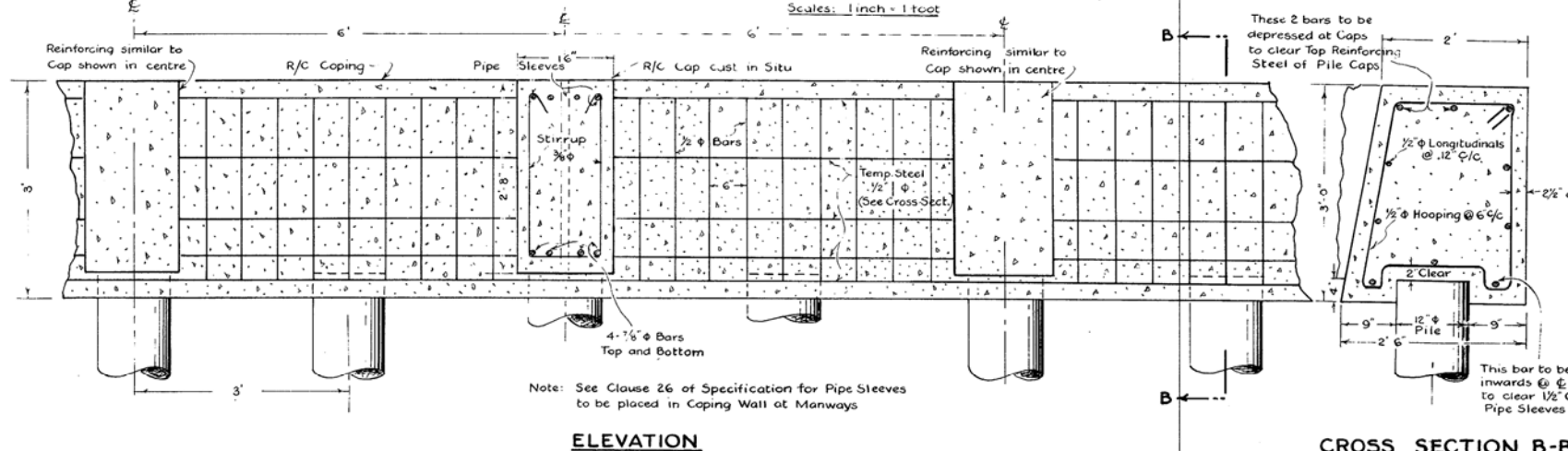


FIG. 16. COPING WALL (UNIT 1)

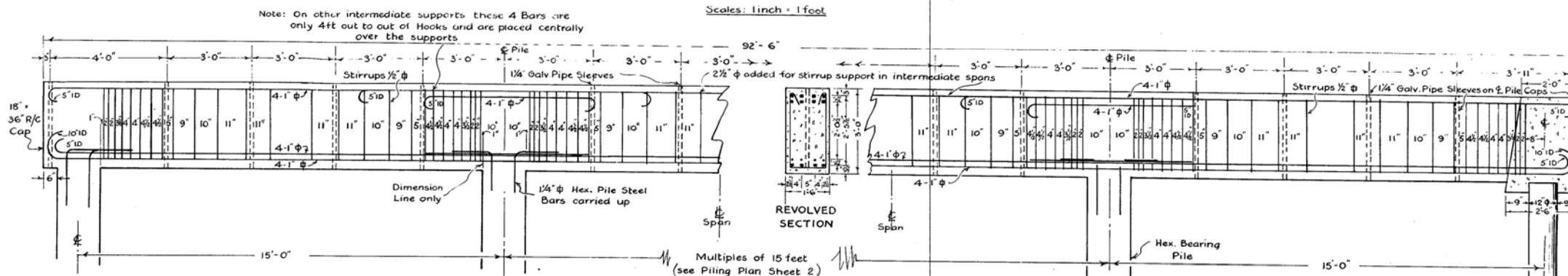


FIG. 17. PILE CAP REINFORCING & ANCHORAGE - UNIT 2

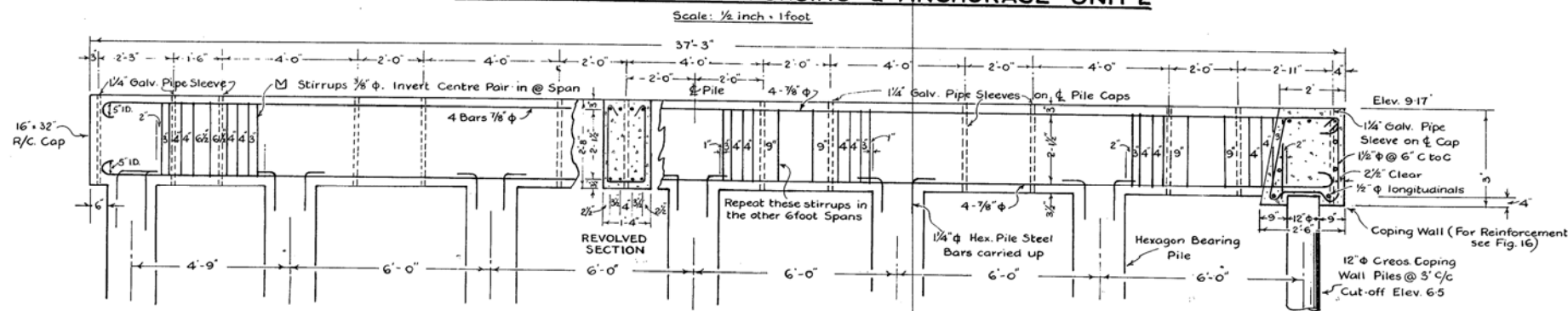


FIG. 18. PILE CAP REINFORCING & ANCHORAGE - UNIT 1.

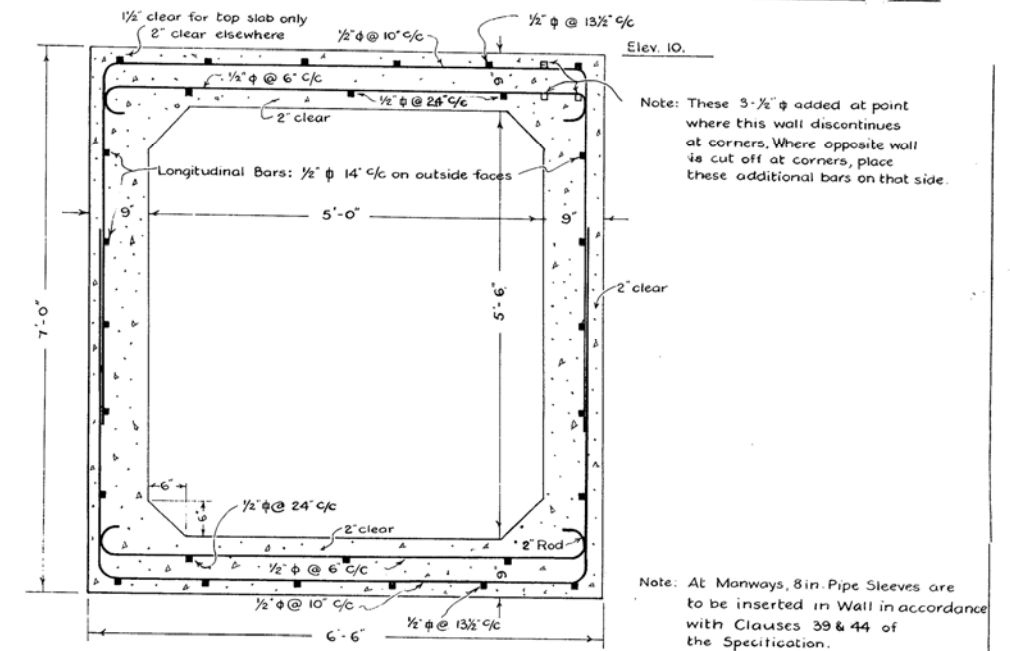


FIG. 19. SERVICE TUNNEL DETAIL.

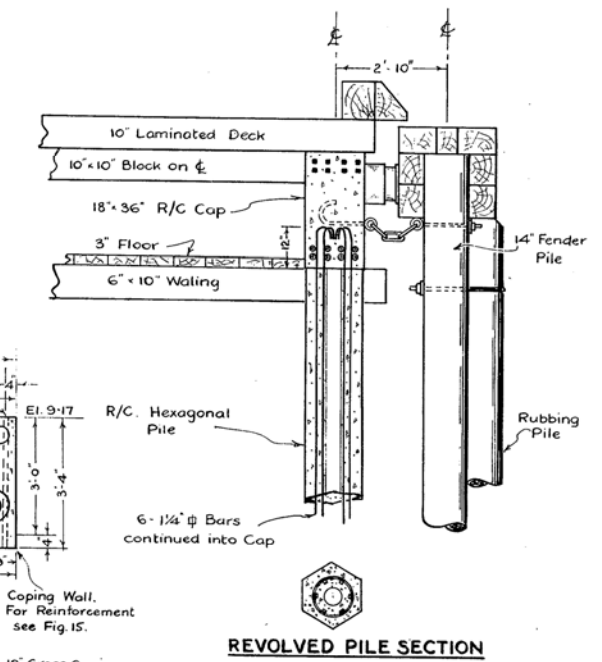


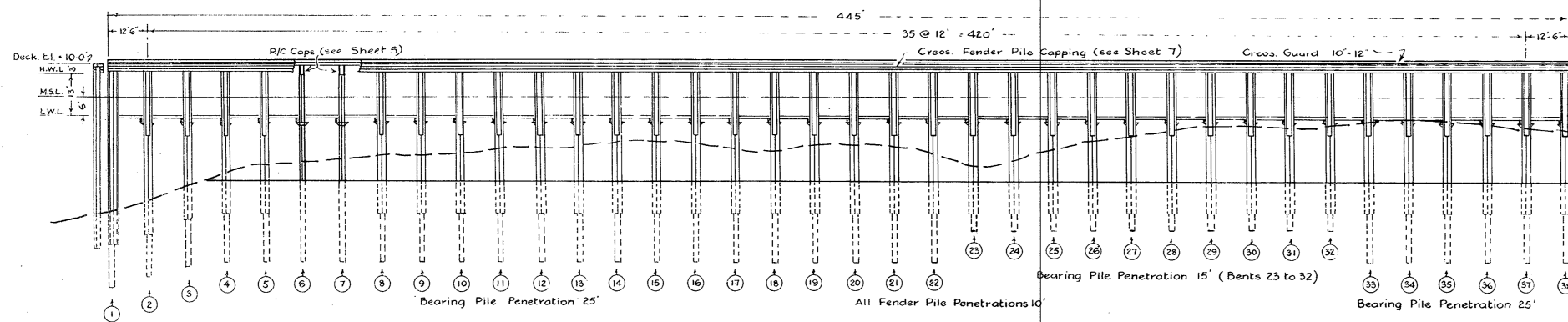
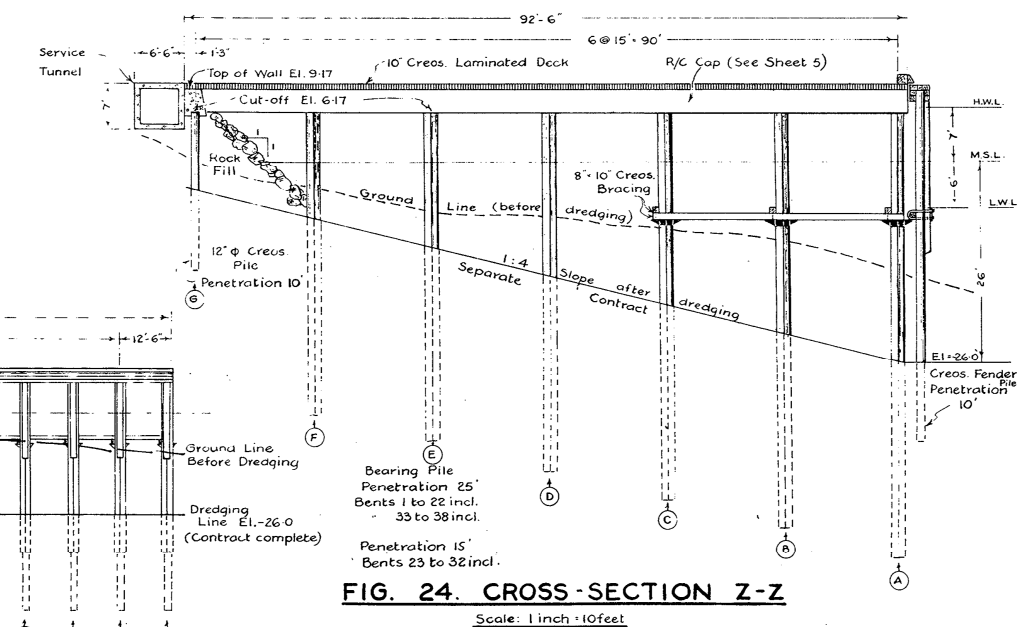
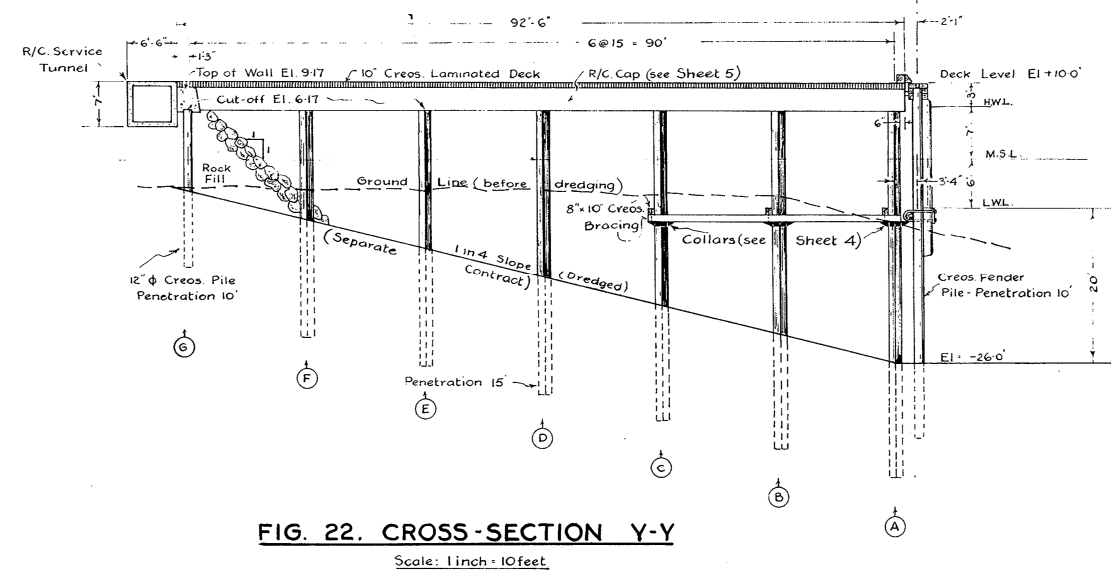
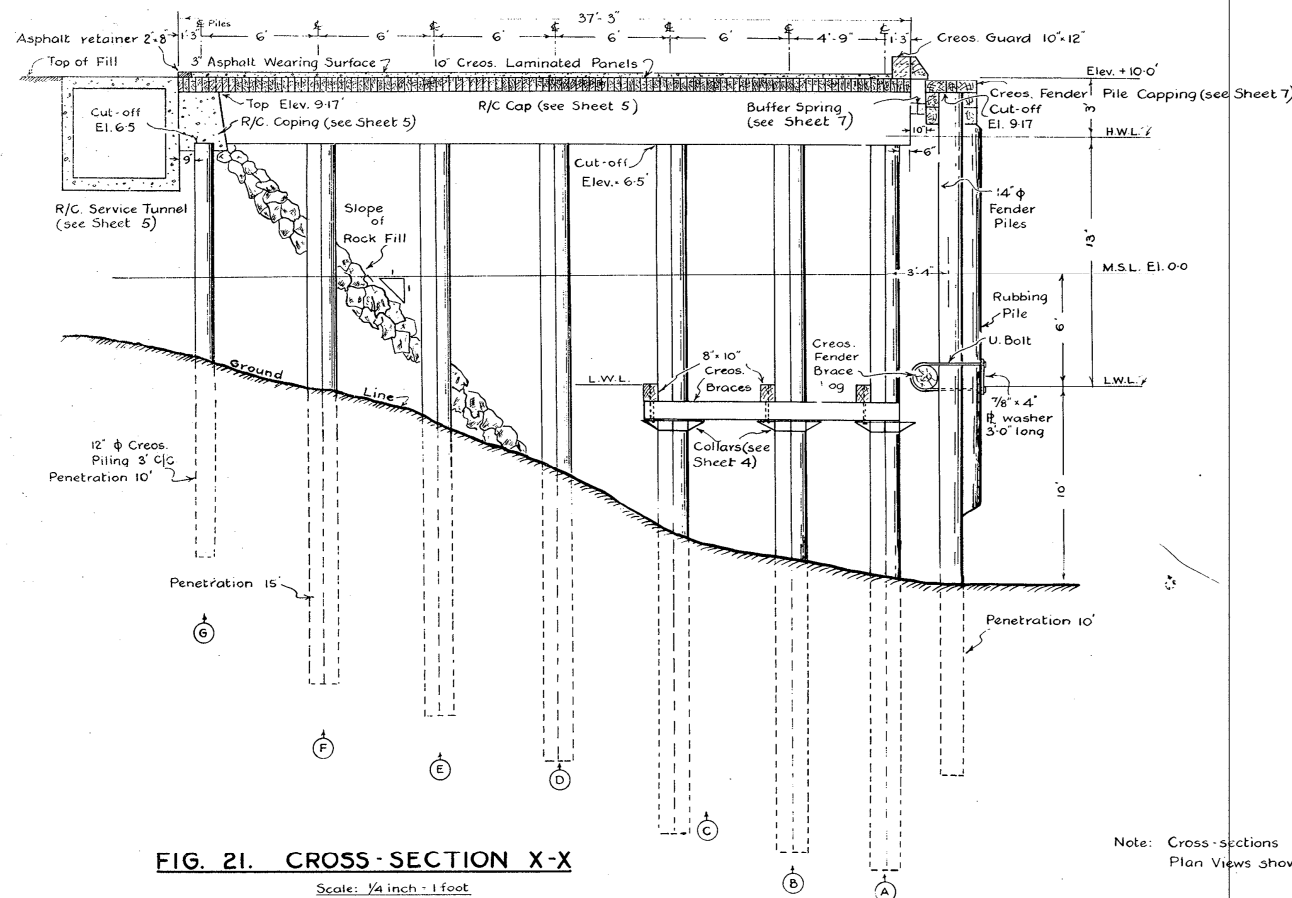
FIG. 20. DETAIL OF FACE PILE CONNECTION (BENT 107 - UNIT 2)

PUBLIC WORKS OF CANADA  
ESQUIMALT, B.C.

WHARF CONSTRUCTION  
REINFORCING

Scale as Noted Sheet 5 of 10  
Surveyed by... R.G. Traced by... W.G.F. Checked by... Ottawa, B.C. 1954  
Made by... R.G. Checked by... B.F.T. Approved by... February 11, 1955  
New Westminster, B.C. Oct. 19/54  
District No. C18.20 Chief Engineer  
A1 District Engineer  
PLAN No A-387  
C18.20

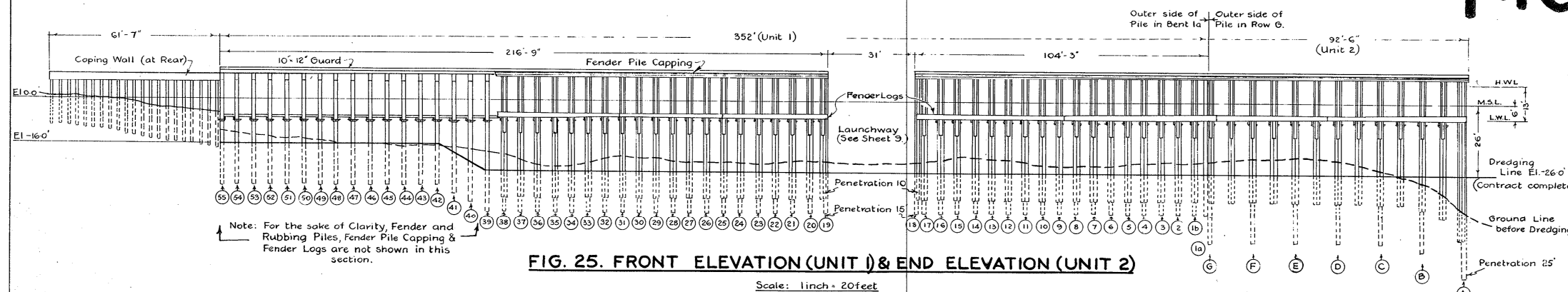
M5-E6



**FIG. 23. FRONT ELEVATION (UNIT 2)**

Scale: 1 inch = 20 feet

Note: For the sake of clarity, Fender Logs have been omitted.



**FIG. 25. FRONT ELEVATION (UNIT 1) & END ELEVATION (UNIT 2)**

Scale: 1 inch = 20 feet

Note: For the sake of clarity, Fender and Rubbing Piles, Fender Pile Capping & Fender Logs are not shown in this section.

**M5-E6**

<b>PUBLIC WORKS OF CANADA</b>	
<b>ESQUIMALT, B.C.</b>	
<b>WHARF CONSTRUCTION</b>	
<b>ELEVATIONS &amp; CROSS SECTIONS</b>	
Scales as Noted Sheet 6 of 10	
Surveyed by R.G. Traced by W.G.F.	Checked by P.A. Ottawa, Feb. 2, 1955
Made by R.G. Checked by B.F.T.	Approved by B.F.T. 10.11.1955
New Westminster, B.C. Oct. 19/54	
District No. C18.20	Chief Engineer
A1 District Engineer	
<b>PLAN No A-387</b>	

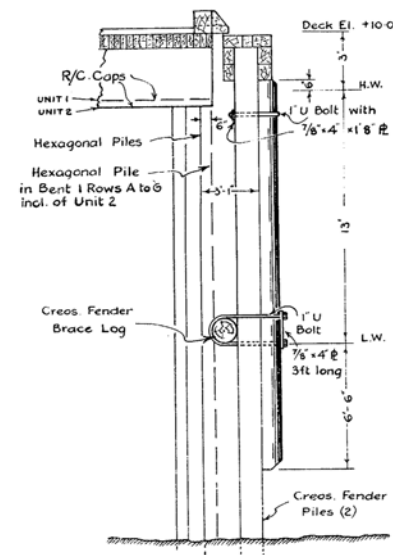


FIG. 26. RUBBING PILE DETAIL  
Scale: 1/4 inch = 1 foot

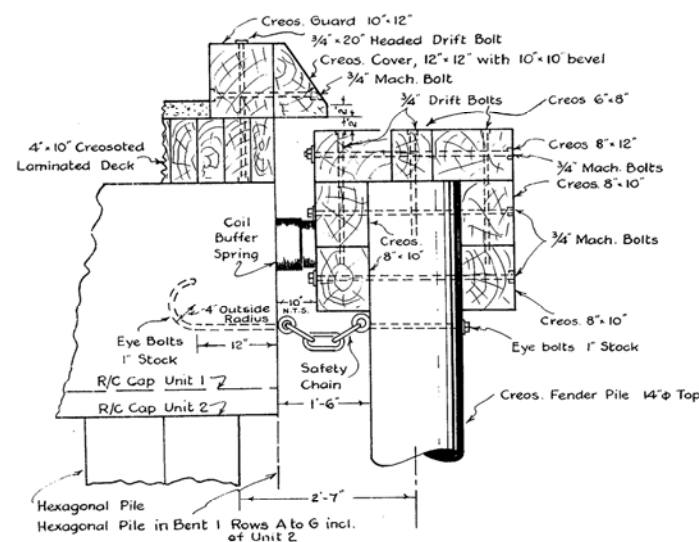


FIG. 29. DETAIL OF FENDER PILE CAPPING  
Scale: 1 inch = 1 foot

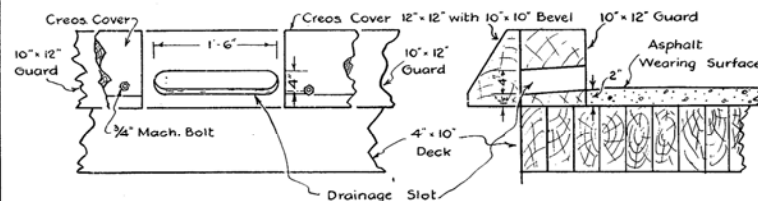


FIG. 31. DETAILS OF DRAINAGE SLOTS  
Scale: 1 inch = 1 foot

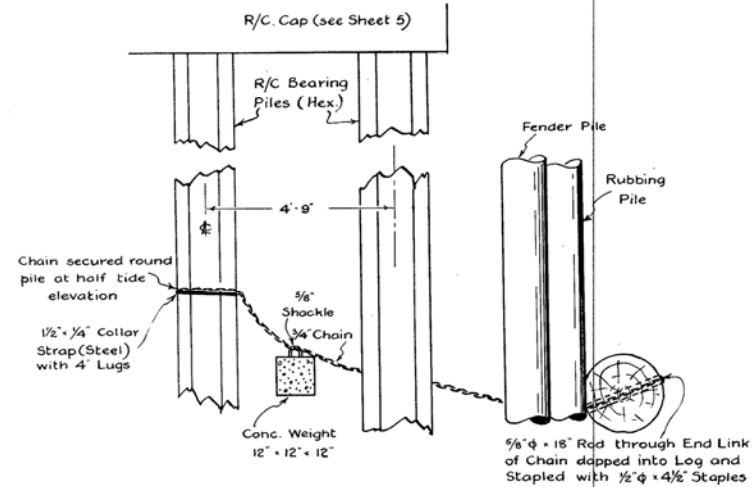


FIG. 27. FENDER LOG MOORING (UNIT 1)  
Scale: 1/2 inch = 1 foot

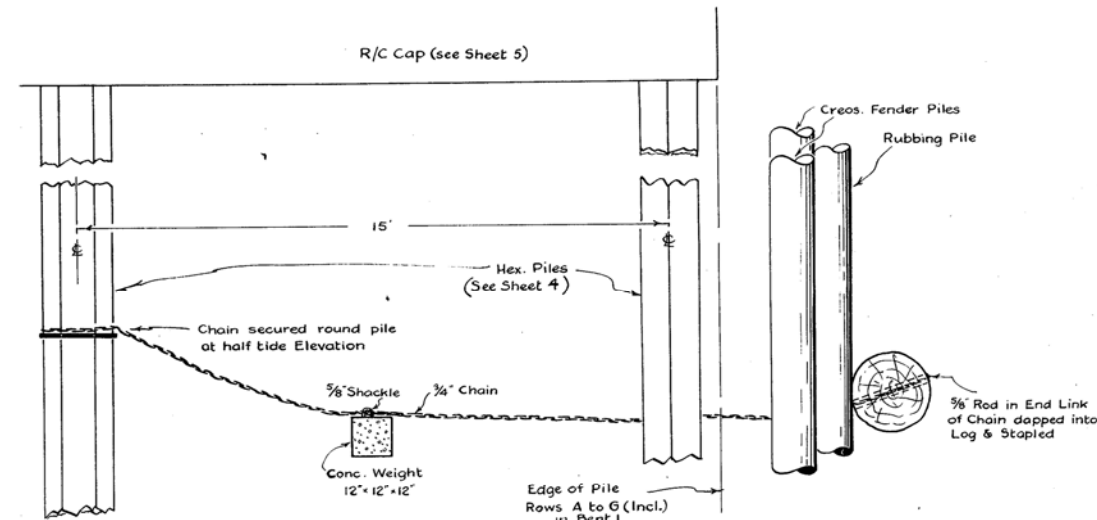
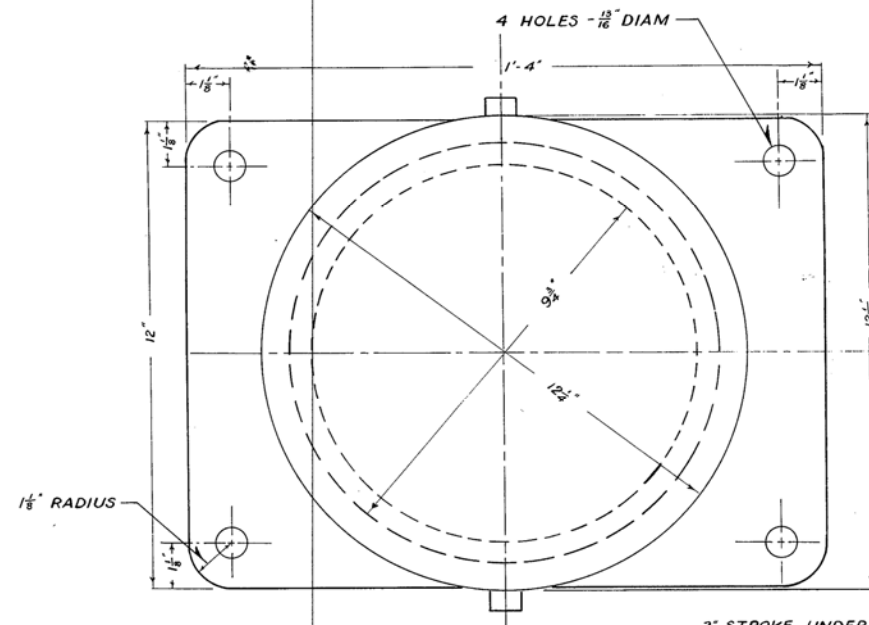
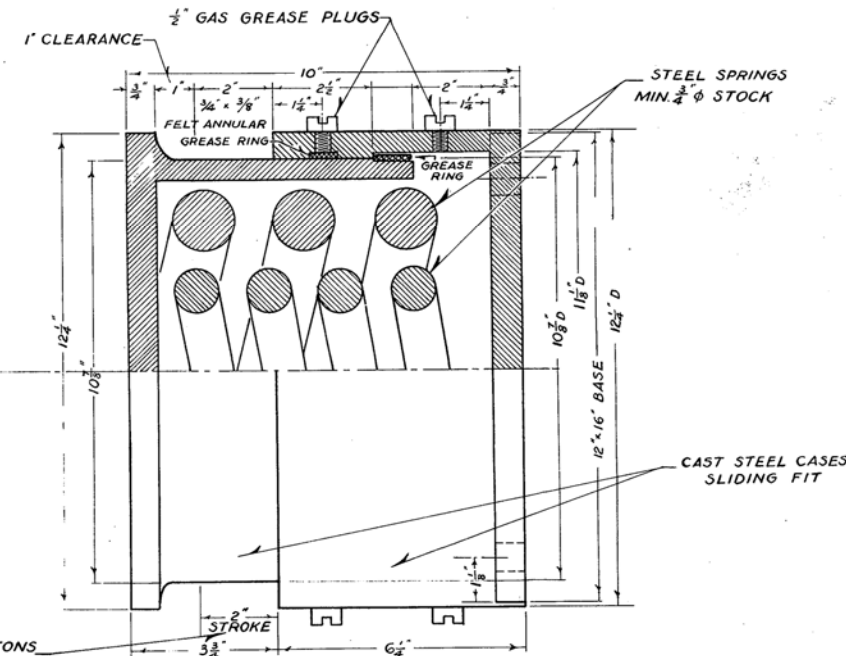


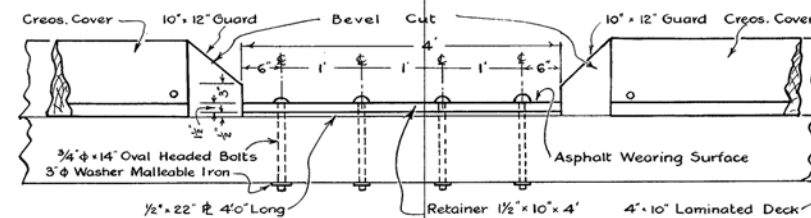
FIG. 28. DETAIL OF FENDER LOG MOORING (UNIT 2)  
Scale: 1/2 inch = 1 foot



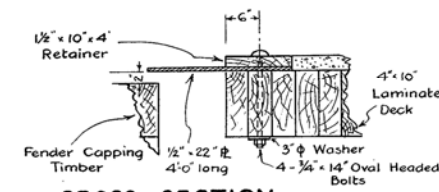
FRONT ELEVATION



HALF SECTION  
HALF SIDE ELEVATION



FRONT VIEW



CROSS-SECTION

FIG. 32. DETAILS OF MOORING CLEAT OPENING  
Scale: 1 inch = 1 foot

M5-E6

PUBLIC WORKS OF CANADA  
**ESQUIMALT, B.C.**  
**WHARF CONSTRUCTION**  
MISCELLANEOUS DETAILS

Scales as Noted Sheet 7 of 10  
Surveyed by R.G. Traced by W.F. Checked by R.G. Ottawa Feb. 2, 1955  
Made by R.G. Checked by B.F.T. Approved by R.G. 24 1955  
New Westminster, B.C. Oct. 19/54 Chief Engineer  
District No. C.18. 20  
A/District Engineer  
**PLAN No A-387**  
C18.20



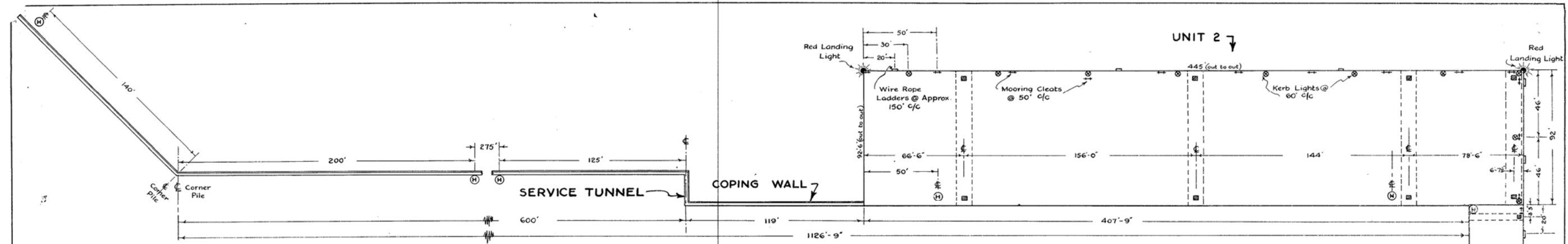


FIG. 33. PLAN SHOWING LOCATION OF SERVICES

Scale: 1 inch = 30 feet

LEGEND

- ⊗ Kerb Lights
  - ⊙ Red Landing Lights
  - ⊕ Fire Hydrants
  - ⊞ Access Hatches
  - ⊞ Wire Rope Ladders
  - ⊞ Mooring Cleats
  - ⊞ Service Manways
- Not incl. in Contract

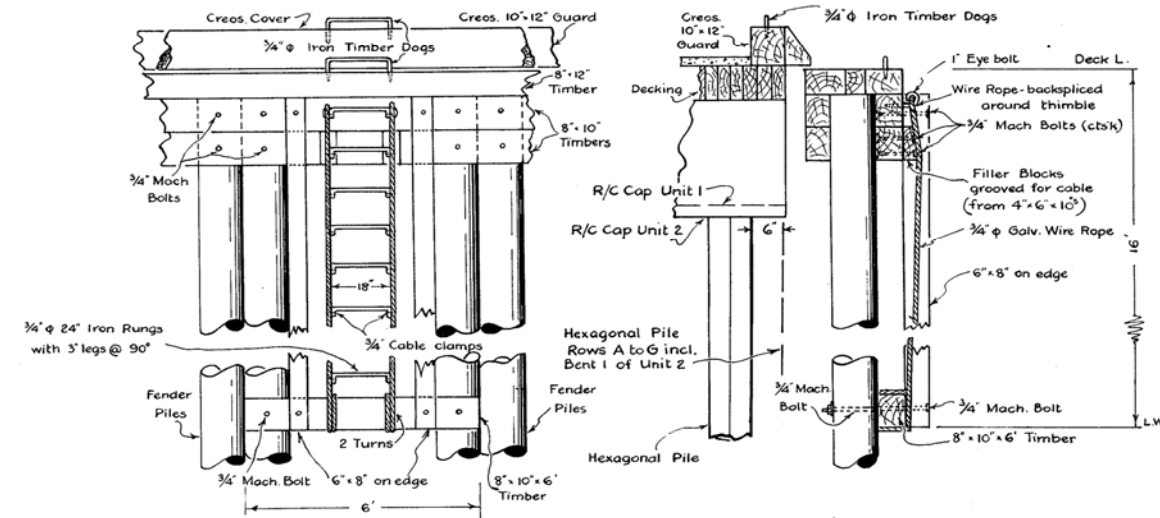
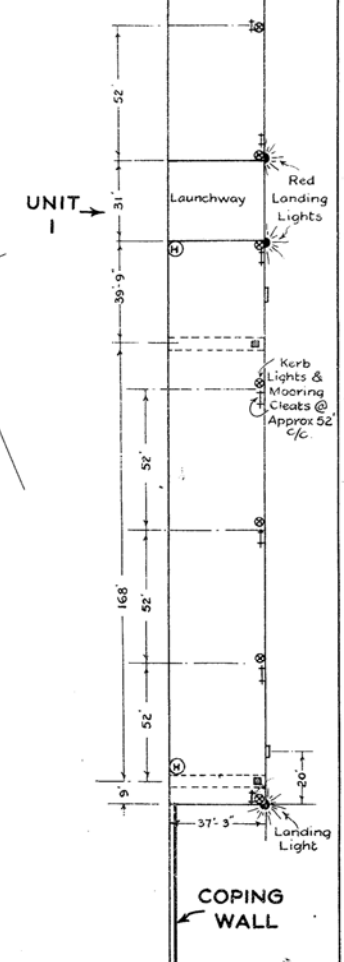


FIG. 34. DETAILS OF WIRE ROPE LADDER

Scale: 1/2 inch = 1 foot

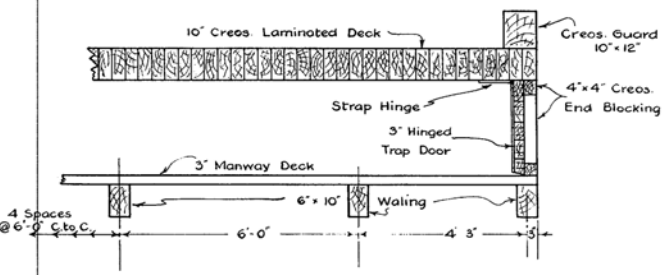


FIG. 35. DETAIL OF MANWAY END (UNIT 1)

Scale: 1/2 inch = 1 foot

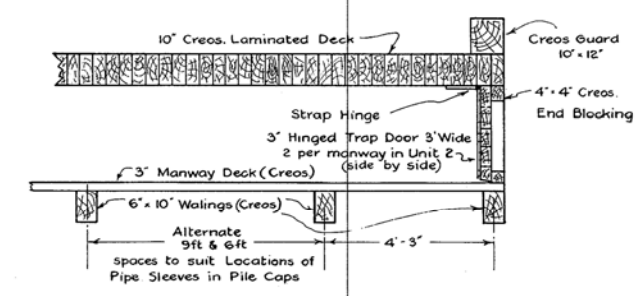


FIG. 36. DETAIL OF MANWAY END (UNIT 2)

Scale: 1/2 inch = 1 foot

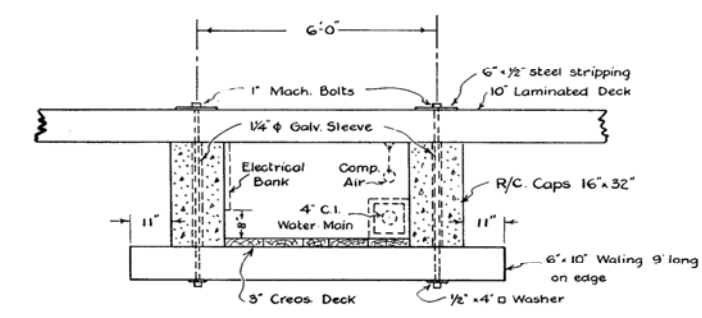


FIG. 37. CROSS-SECTION OF MANWAY (UNIT 1)

Scale: 1/2 inch = 1 foot

N.B. Electrical Bank, Compressed Air Pipe and Water Main (shown dotted) are not included in contract

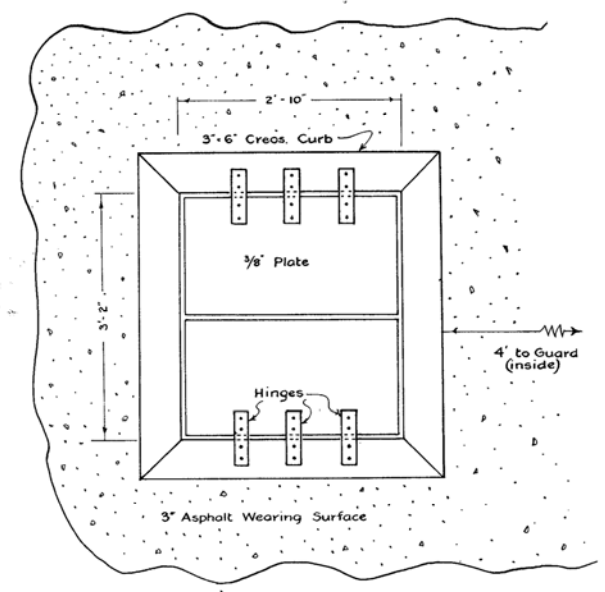


FIG. 38. DETAIL OF ACCESS HATCH COVER

Scale: 1 inch = 1 foot

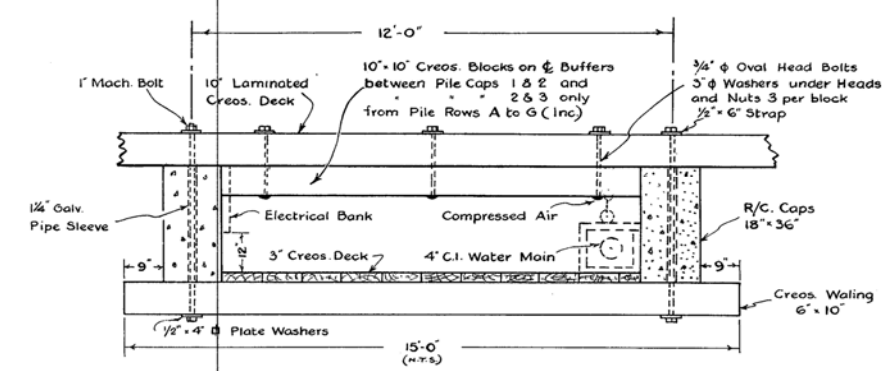


FIG. 39. CROSS-SECTION OF MANWAY (UNIT 2)

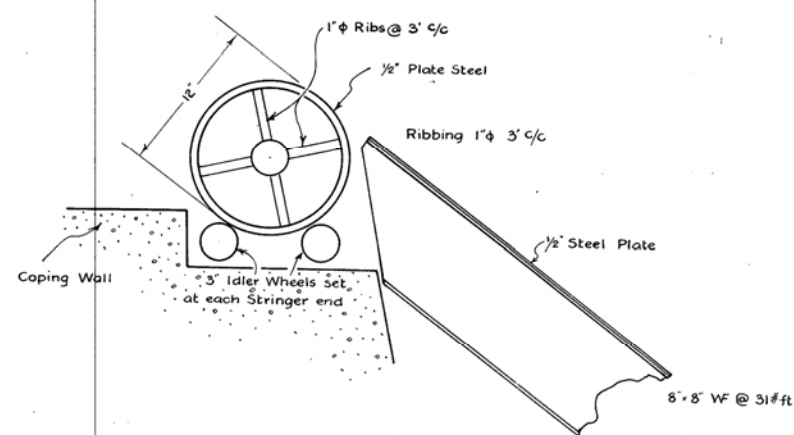
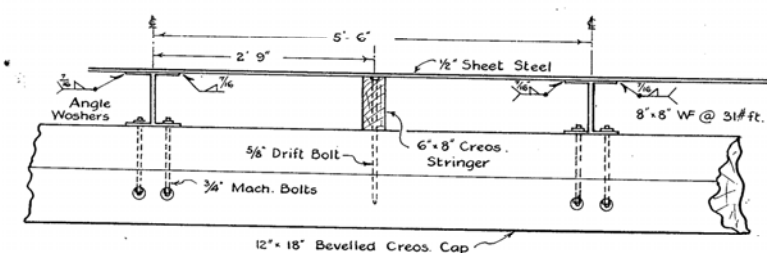
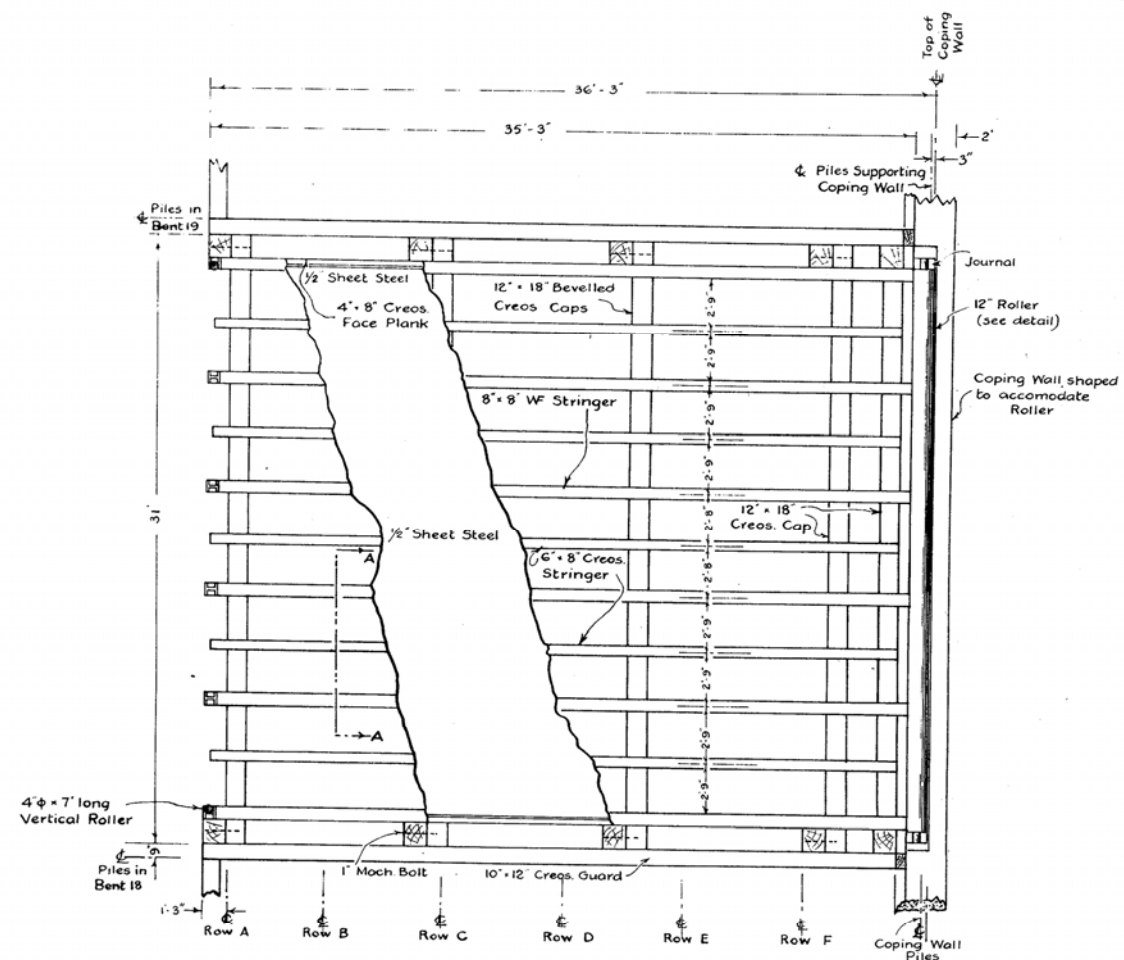
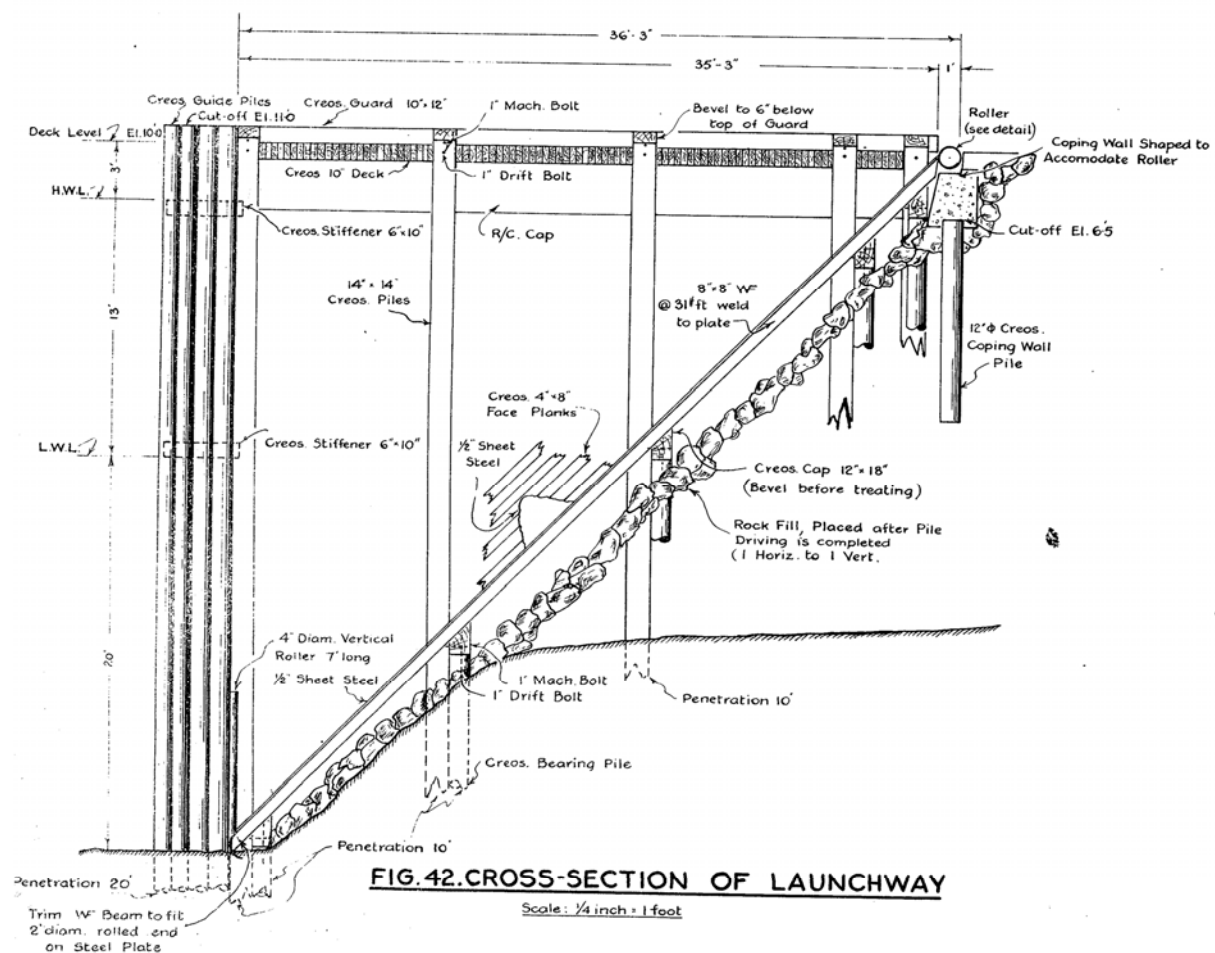
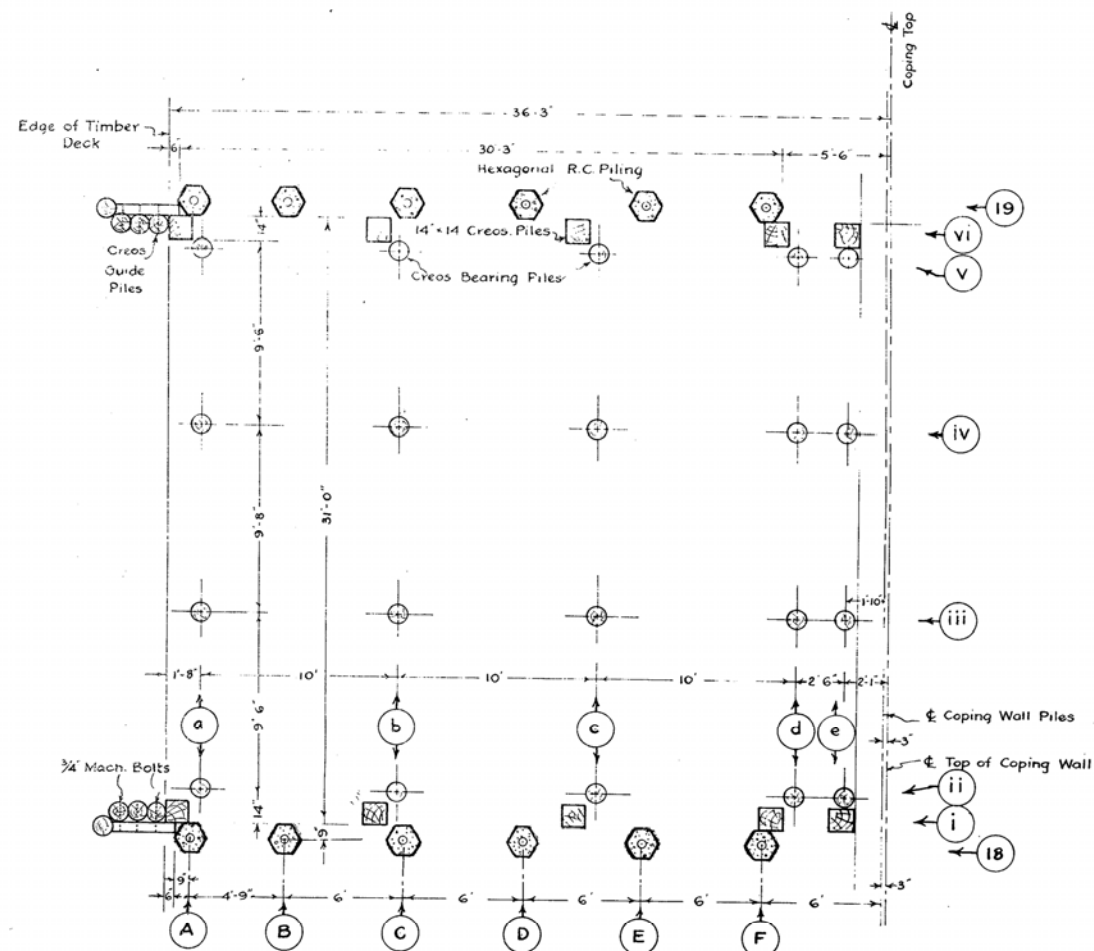
Scale: 1/2 inch = 1 foot

M5-E6

PUBLIC WORKS OF CANADA  
ESQUIMALT, B.C.  
WHARF CONSTRUCTION  
SERVICES

Scales as Noted Sheet 8 of 10  
Surveyed by R.G. Traced by W.B.F. Checked by R.G. Ottawa Feb. 2, 1955  
Made by R.G. Checked by B.F.T. Approved by R.G. 1955  
New Westminster, B.C. Oct 19/54  
District No. C18.20 Chief Engineer  
District Engineer  
PLAN No A-387





M5-E6

**PUBLIC WORKS OF CANADA**  
**ESQUIMALT, B.C.**  
**WHARF CONSTRUCTION**  
LAUNCHWAY

Scales as Noted		Sheet 9 of 10	
Surveyed by R.E.	Traced by W.F.	Checked <i>R.H.</i>	Ottawa <i>Feb. 2 1952</i>
Made by R.G.	Checked by B.F.T.	Approved <i>Thompson</i>	<i>Feb 14 1952</i>
New Westminster B.C. Oct. 1954		Chief	Engineer
District No. <i>18</i>	<i>C18.20</i>	<div style="display: flex; justify-content: space-between;"> <div> <b>PLAN</b>  <b>No</b> </div> <div style="font-size: 2em;"> <b>A-387</b> </div> </div>	
<i>[Signature]</i> A/District Engineer			

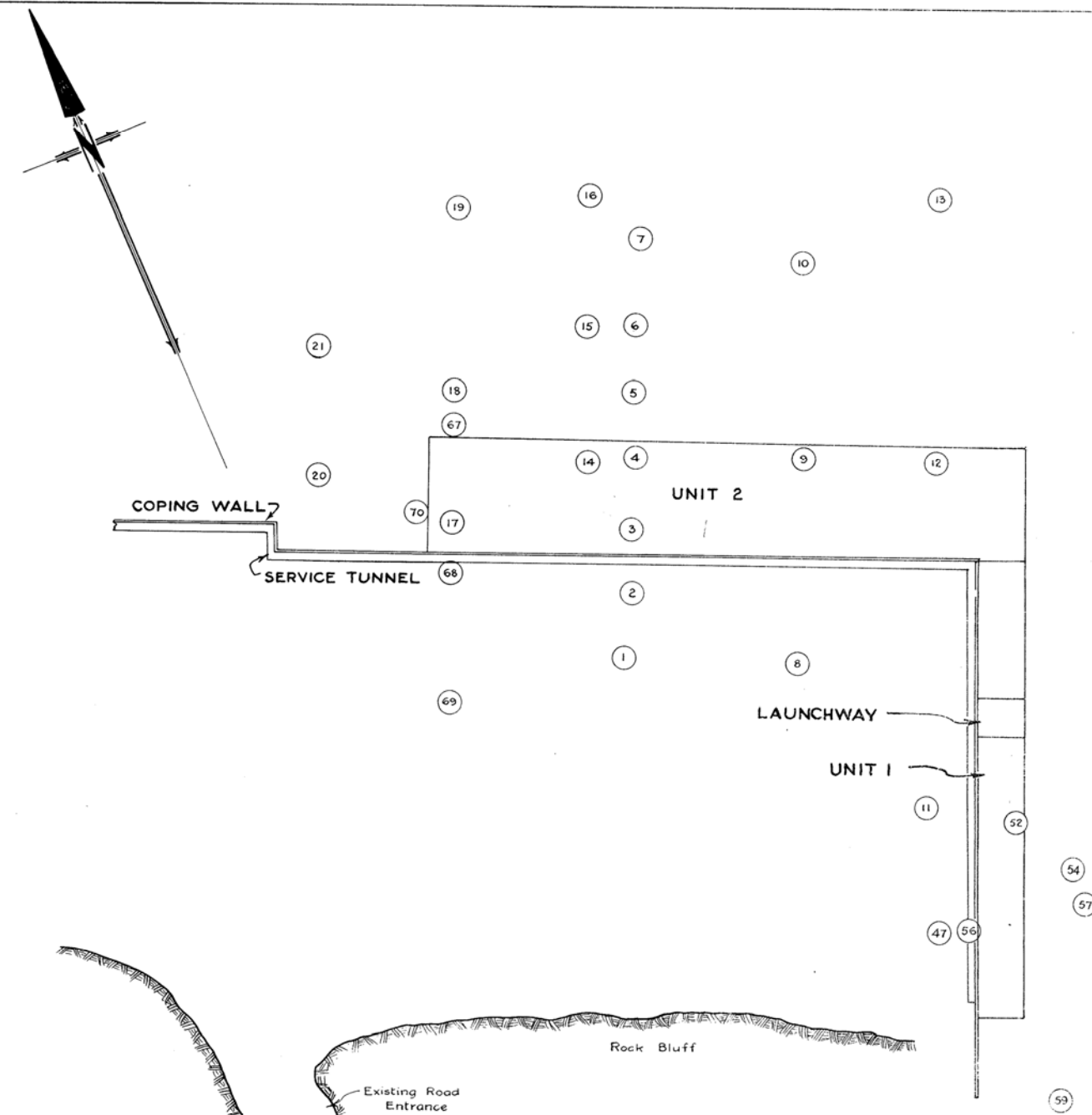
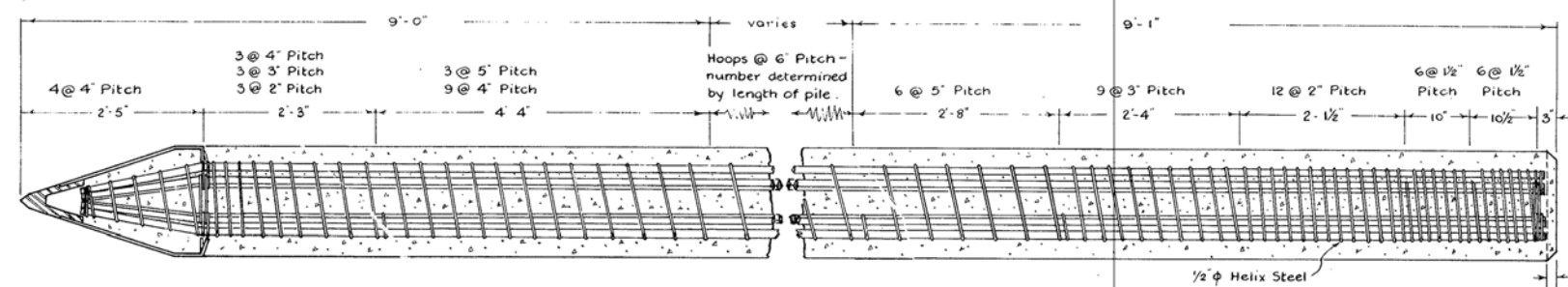


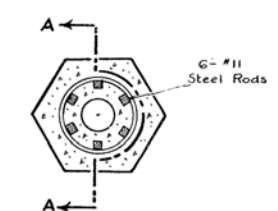
FIG. 45. PLAN OF TEST BORING LOCATIONS  
Scale: 1 inch = 50 feet



SECTION A-A

FIG. 46. DETAILS OF PILE REINFORCING  
Scale: 1 inch = 1 foot

M5-E6



TYPICAL CROSS SECTION

PUBLIC WORKS OF CANADA	
ESQUIMALT, B.C.	
WHARF CONSTRUCTION	
TEST BORINGS ETC	
Scales as Noted Sheet 10 of 10.	
Surveyed by R.G. Traced by W.S.F.	Checked R.G. Ottawa, B.C. 2.19.55
Made by R.G. Checked by B.F.T.	Approved February 19.55 1955
New Westminster, B.C. Oct. 19/54.	Chief Engineer
District No. C18.20	
District Engineer	
PLAN No A-387	