



Fisheries
and Oceans

Pêches
et Océans

REAL PROPERTY SAFETY & SECURITY

CCG BASE - SHOAL POINT; VICTORIA; B.C.

**WHARF REPAIR
ISSUED FOR TENDER**

DRAWING LIST					
DRAWING NO.	DRAWING TITLE	REVISION			
		A	B	C	D
215126-100	SITE PLAN AND GENERAL NOTES	A			
215126-101	EXISTING WHARF - GENERAL ARRANGEMENT	A			
215126-102	EXISTING WHARF - TYPICAL CROSS SECTIONS	A			
215126-110	WHARF REPAIR AREA 1 - PLAN AND SECTION	A			
215126-111	CONCRETE AND REINFORCING DETAILS SHT. 1 OF 2	A			
215126-112	CONCRETE AND REINFORCING DETAILS SHT. 2 OF 2	A			



A. E. Pedersen

VJA ENGINEERING
VILLHOLTH JENSEN
& ASSOC. LTD.
CONSULTING ENGINEERS
VANCOUVER, B.C.

DESIGN CRITERIA:

- LIVE LOAD FOR NEW DECK:
 - UNIFORMLY DISTRIBUTED LIVE LOAD = 20kPa
 - HIGHWAY TRUCK LOAD:
LOAD CLASS CL-625 CONFORMING TO CAN/CSA - S8
MAX GWV = 63,700 kg
 - GROVE IND-1012 CRANE:
MAX GWV = 39,850 kg (88000 lb)
FRONT AXLE LOAD = 342kN
REAR AXLE LOAD = 50kN
AXLE SPACING = 3.9m
WHEEL SPACING = 1.53m
- TIDES:

TIDE & CHART DATUM	ELEVATION
HIGH WATER LEVEL (H.W.L.)	+3.4 m
MEAN WATER LEVEL (M.W.L.)	+1.9 m
LOW WATER LEVEL (L.W.L.)	-0.0 m
- SNOW:

SPECIFIED GROUND SNOW LOAD	S _s = 1.1kPa
SPECIFIED ASSOCIATED RAIN LOAD	S _r = 0.2kPa
- WIND:

SPECIFIED WIND PRESSURE (1 in 50 YEARS)	= 0.57kPa
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- SEISMIC:

PGA = 0.61

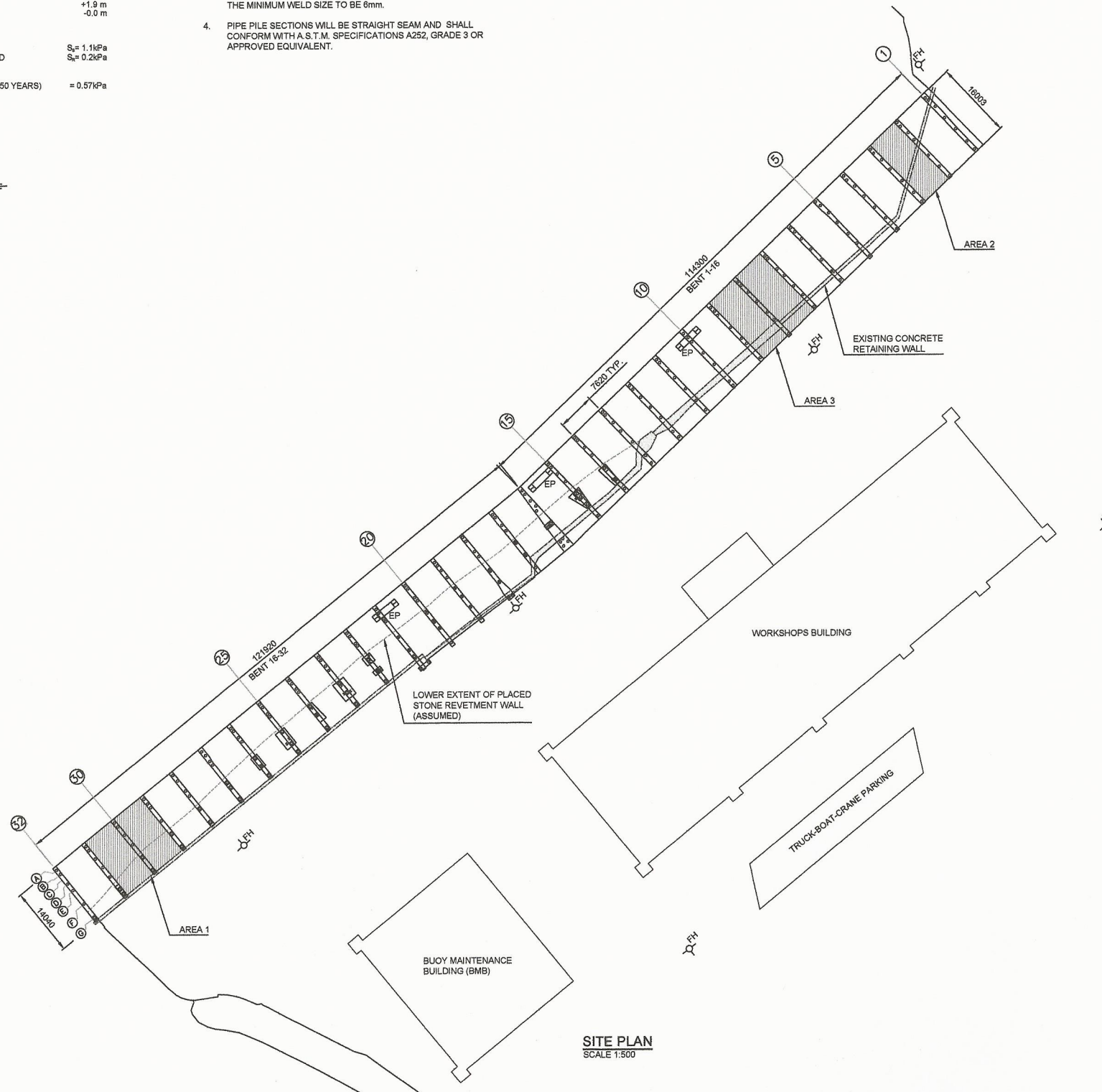


GENERAL NOTES:
GENERAL

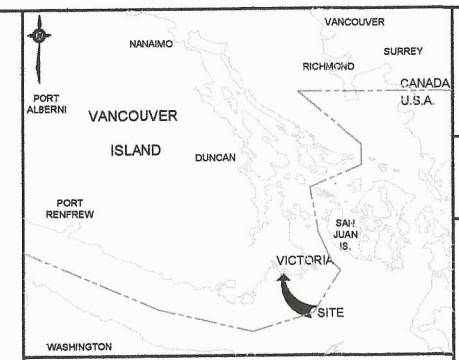
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTES OTHERWISE.
 - ELEVATIONS ARE IN METRES & ARE TO TIDE AND CHART DATUM.
 - PLAN BASED ON PUBLIC WORKS CANADA PLAN FOR SHOAL POINT WHARF.
- STRUCTURAL AND MISCELLANEOUS STEEL**
- ALL ROLLED SECTIONS & MISCELLANEOUS PLATES TO BE GRADE 300W CONFORMING TO CAN CSA STD. G40.20/G40.21 UNLESS NOTED OTHERWISE.
 - ALL BOLTS TO CONFORM TO ASTM A325 UNLESS NOTED OTHERWISE.
 - ALL WELDING TO CONFORM TO CAN CSA STD. W47, W48 & W59. THE MINIMUM WELD SIZE TO BE 8mm.
 - PIPE PILE SECTIONS WILL BE STRAIGHT SEAM AND SHALL CONFORM WITH A.S.T.M. SPECIFICATIONS A252, GRADE 3 OR APPROVED EQUIVALENT.

REINFORCED CONCRETE

- CONCRETE CONSTRUCTION AND MATERIALS TO CONFORM TO CAN CSA STD A23.1, A23.2 AND A23.4. ALL CONCRETE TO BE NORMAL DENSITY WITH CLASS C-1 EXPOSURE MINIMUM COMPRESSIVE CONCRETE STRENGTH AFTER 28 DAY TO BE 35 MPa UNLESS NOTED OTHERWISE (U.N.O.).
- ALL REINFORCING STEEL TO BE DEFORMED BARS GRADE 400 CONFORMING TO CAN CSA STD. G30.18.
- MINIMUM COVER TO ALL REINFORCEMENT TO BE 50mm (U.N.O.).
- ALL REINFORCEMENT HOOKS, LAPS AND DEVELOPMENT LENGTHS TO BE IN ACCORDANCE WITH CAN CSA STD A23.3.
- ALL EXPOSED CONCRETE EDGES TO BE CHAMFERED 20mm.



SITE PLAN
SCALE 1:500



LOCATION PLAN



AERIAL VIEW

LEGEND

- FH FIRE HYDRANT
- EP ELECTRICAL PANEL

Public Works and Government Services Canada / Services publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

VJA ENGINEERING
VILLHOLTH JENSEN & ASSOC. LTD.
CONSULTING ENGINEERS
VANCOUVER, B.C.

PROFESSIONAL ENGINEER
PROVINCE OF
A. E. PEDERSEN
14009
BRITISH COLUMBIA

Arvid Pedersen

DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
A	ISSUED FOR TENDER	19/01/11

Client/client
Fisheries & Oceans Canada
Real Property Safety & Security
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

Project title/Titre du projet
CCG BASE - SHOAL POINT WHARF REPAIR

Approved by/Approve par
A.P.

Designed by/Concept par
A.P.

Drawn by/Designe par
WSL

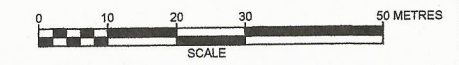
PIWSC Project Manager/Administrateur de Projets TPSCC

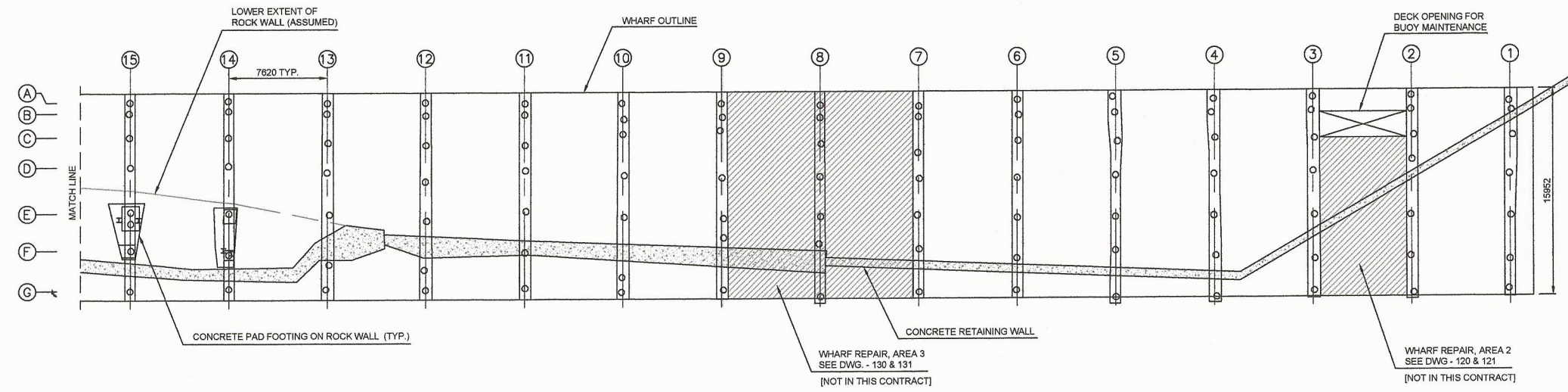
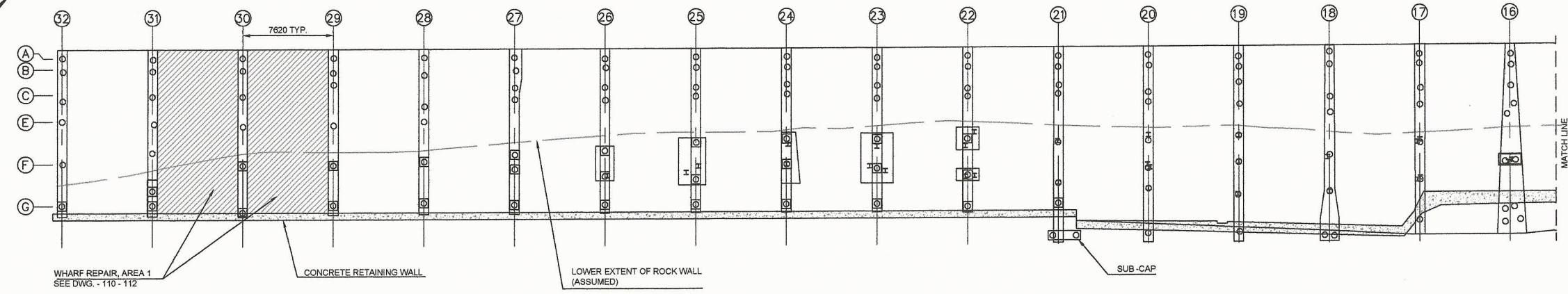
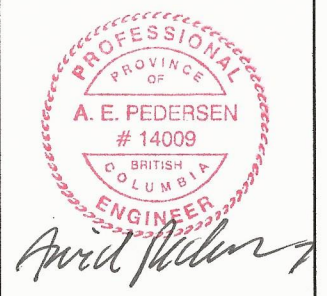
PIWSC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TPSCC

Client/client
VJA

Drawing title/Titre du dessin
SITE PLAN AND GENERAL NOTES

Project No./No. du projet	Sheet/Feuille	Revision no./Le Révision no.
215126	100 OF	A





PILE AND PILE CAP PLAN
 SCALE 1:200
 (FENDER SYSTEM NOT SHOWN FOR CLARITY)

- LEGEND**
- 457Ø (18"Ø) OCTAGONAL CONCRETE PILE
 - I POST H-PILE
 - ◻ CONCRETE PILE POST ON CONCRETE FOOTING ON ROCK SEAWALL

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Revision/	Description/Description	Date/Date
A	ISSUED FOR TENDER	15/12/11

Client/Client
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Safety & Security
 200 - 401 Burrard Street
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Project #Projet du projet
CCG BASE - SHOAL POINT
WHARF REPAIR

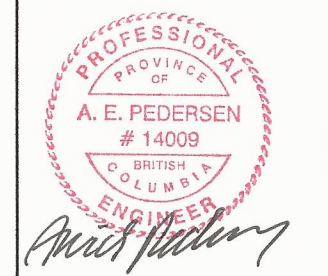
Approved by/Approve par
 A.P.
 Designed by/Concept par
 A.P.
 Drawn by/Dessiné par
 WSL
 PWGSC Project Manager/Administrateur de Projets TPSGC

Client/Client
 VJA
 Drawing title/Titre du dessin
EXISTING WHARF
GENERAL ARRANGEMENT

Project No. No. du projet	Sheet/ Feuille	Revision no. / La Révision no.
215126	101	A

GENERAL NOTES:
 1. REFER TO DWG. -100 FOR GENERAL NOTES.





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A ISSUED FOR TENDER	15/12/11

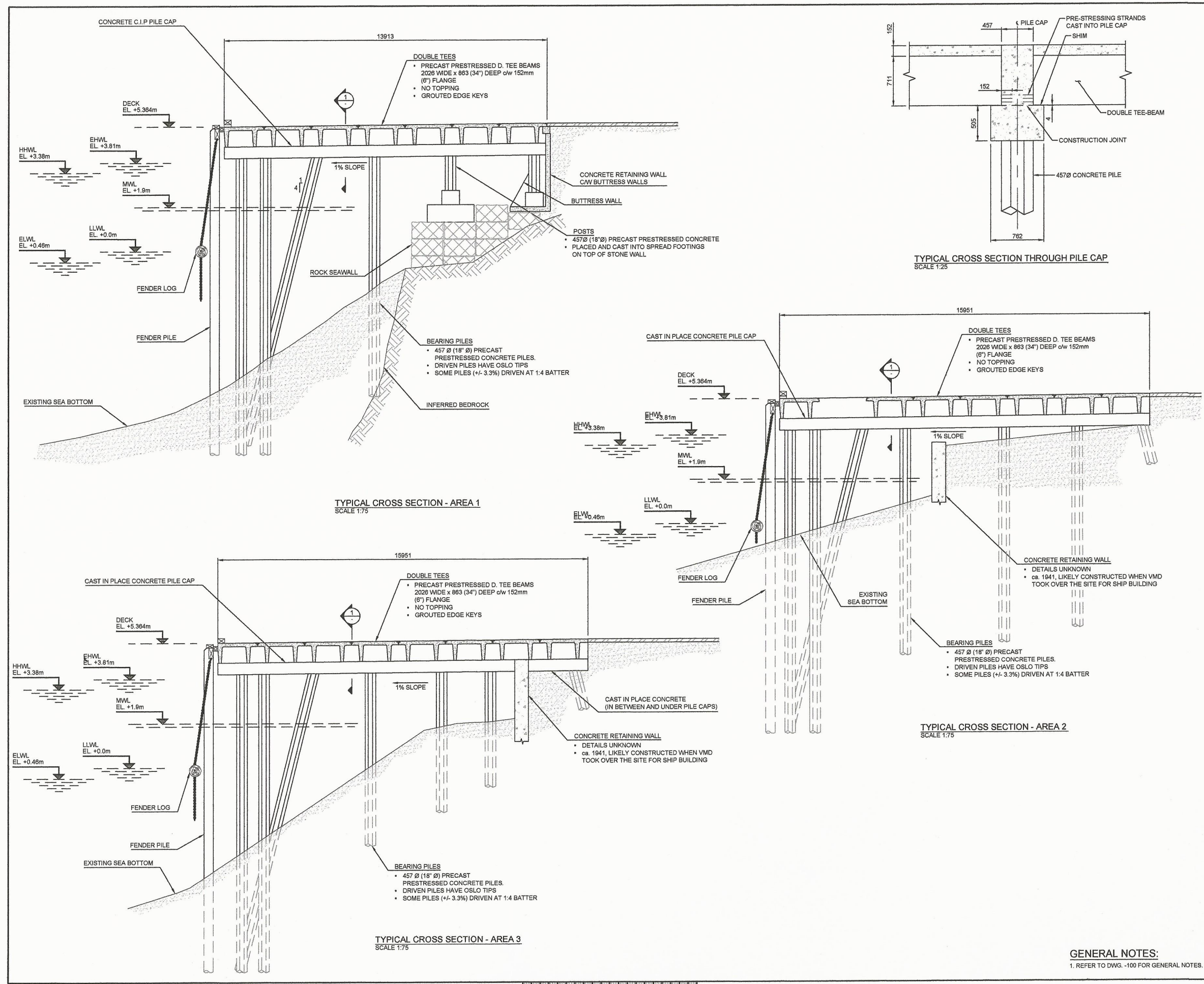
Fisheries & Oceans Canada
Real Property
Safety & Security
 200 - 401 Burrard Street
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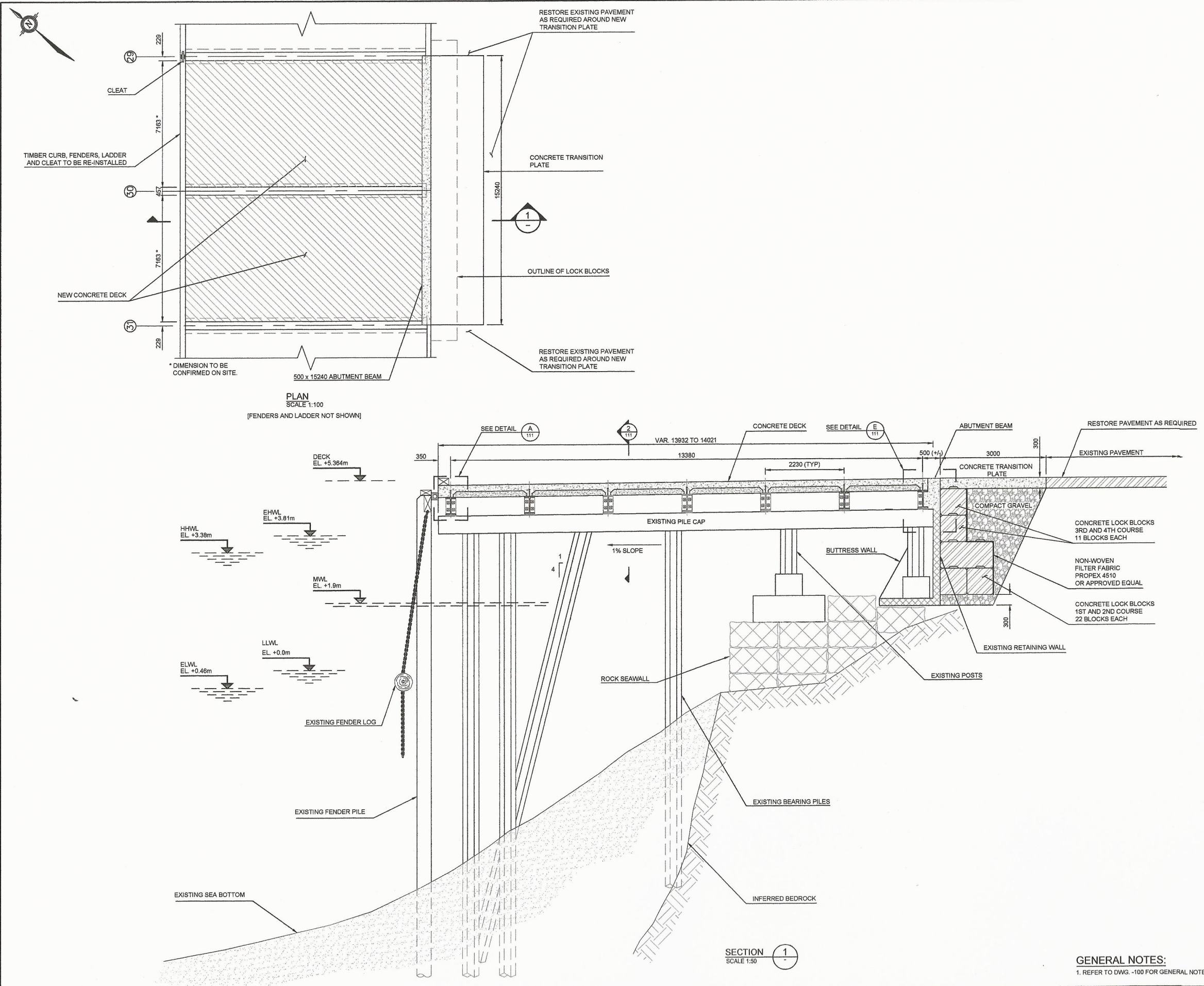
CCG BASE - SHOAL POINT WHARF REPAIR

Approved By/Approve par: A.P.
 Designed By/Concept par: A.P.
 Drawn by/Dessiné par: WSL
 PWOSC Project Manager/Administrateur de Projets: TP800
 PWOSC Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TP800
 Client/Client: VJA
 Drawing Title/Titre du dessin:

EXISTING WHARF TYPICAL CROSS SECTIONS

Project No./No. du projet: 215126	Sheet/ Feuille: 102 OF	Revision no./ La Révision no.: A
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PLAN
SCALE 1:100
(FENDERS AND LADDER NOT SHOWN)

SECTION 1
SCALE 1:30

GENERAL NOTES:
1. REFER TO DWG. -100 FOR GENERAL NOTES.

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada
REAL PROPERTY SERVICES Western Region / SERVICES IMMOBILIERS Région de l'ouest

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VANCOUVER, B.C.



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A ISSUED FOR TENDER	15/12/11

Client/Client
**Fisheries & Oceans Canada
Real Property
Safety & Security**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

Project title/Titre du projet

**CCG BASE - SHOAL POINT
EXISTING WHARF
SECTIONS**

Approved by/Apprové par
A.P.

Designed by/Concepté par
A.P.

Drawn by/Dessiné par
WSL

PWGSC Project Manager/Administrateur de Projets TP90C

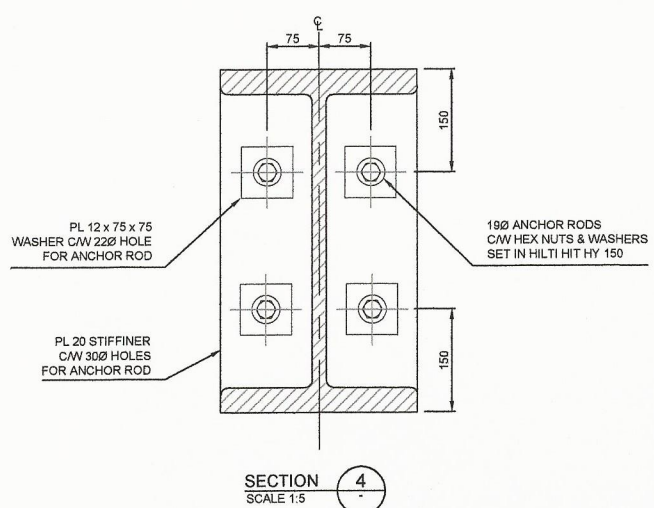
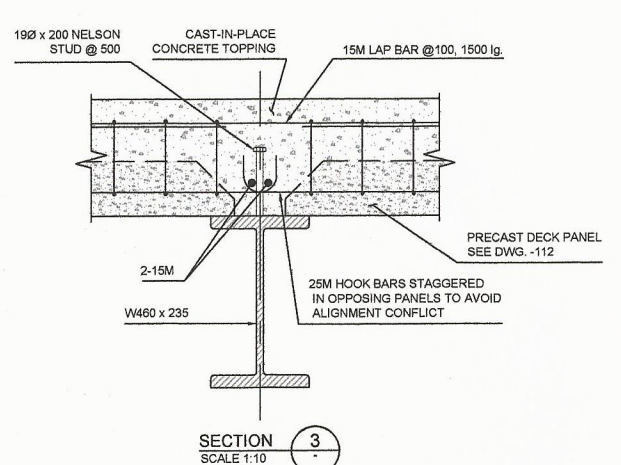
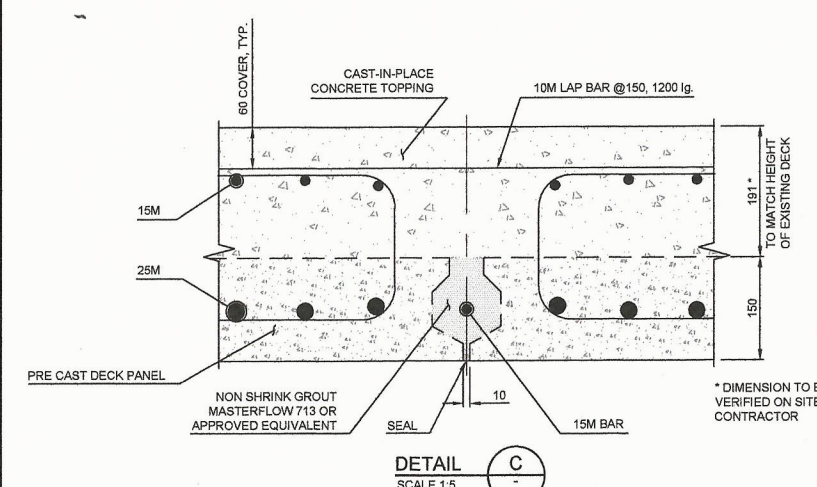
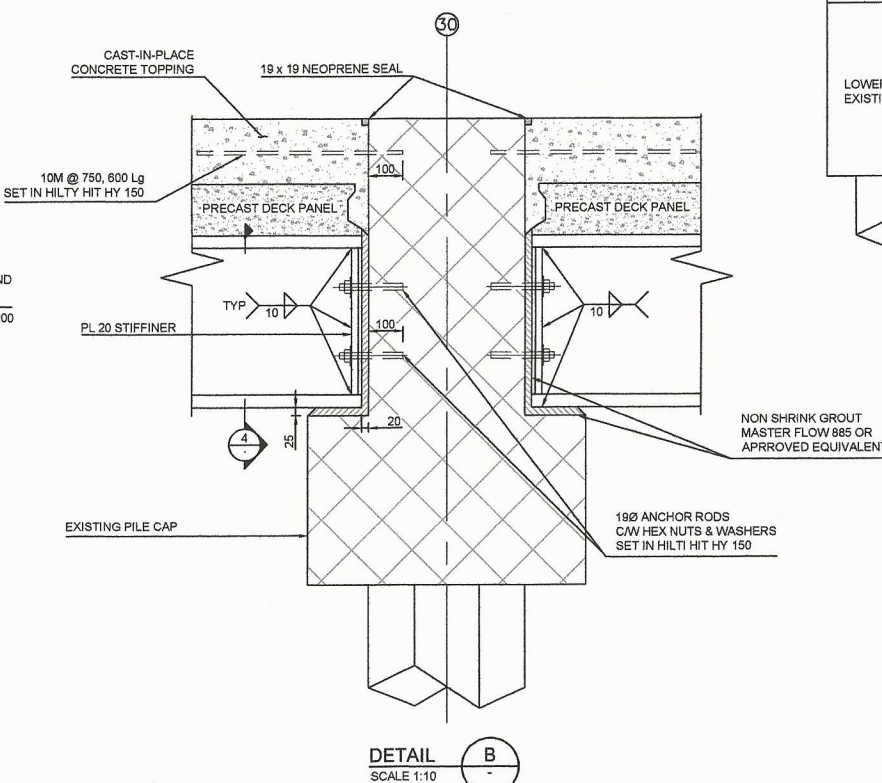
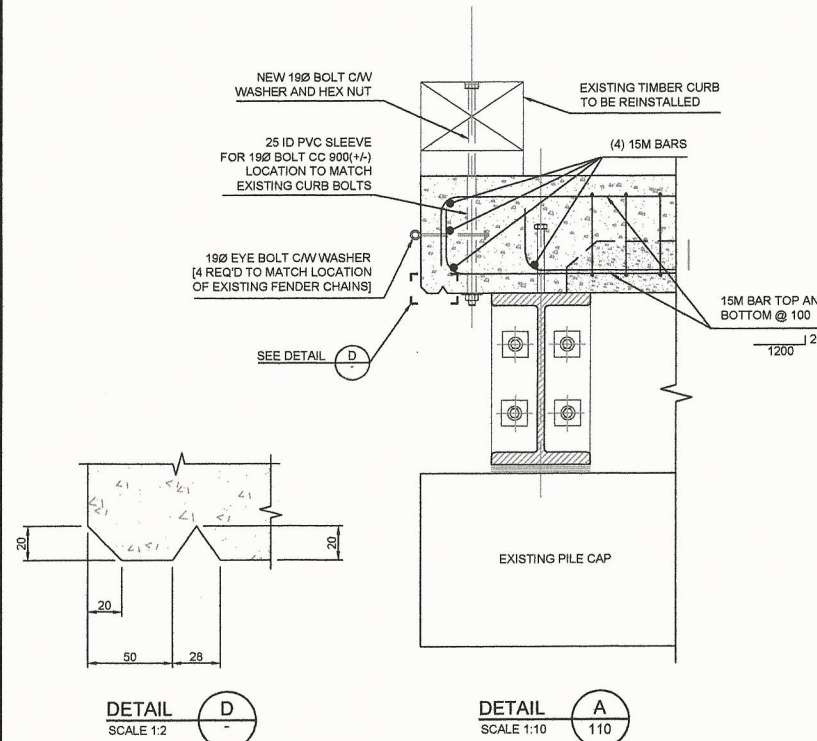
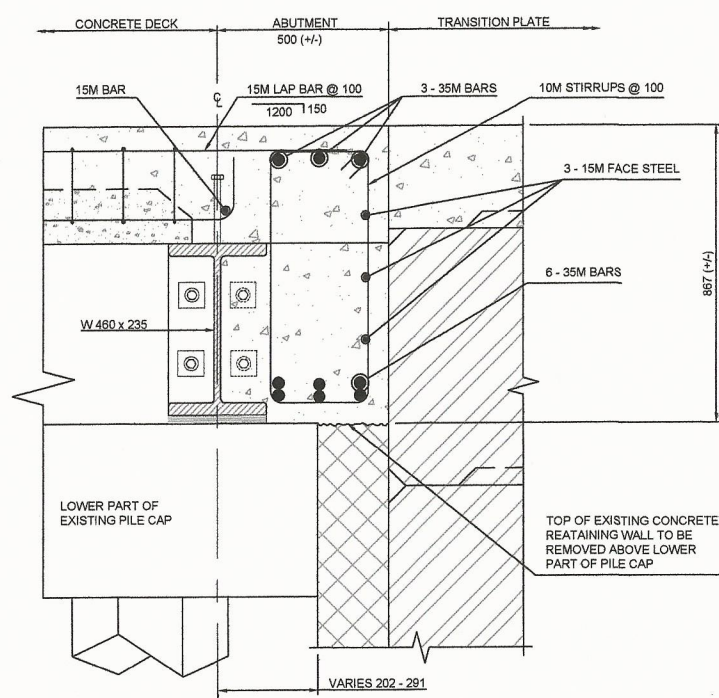
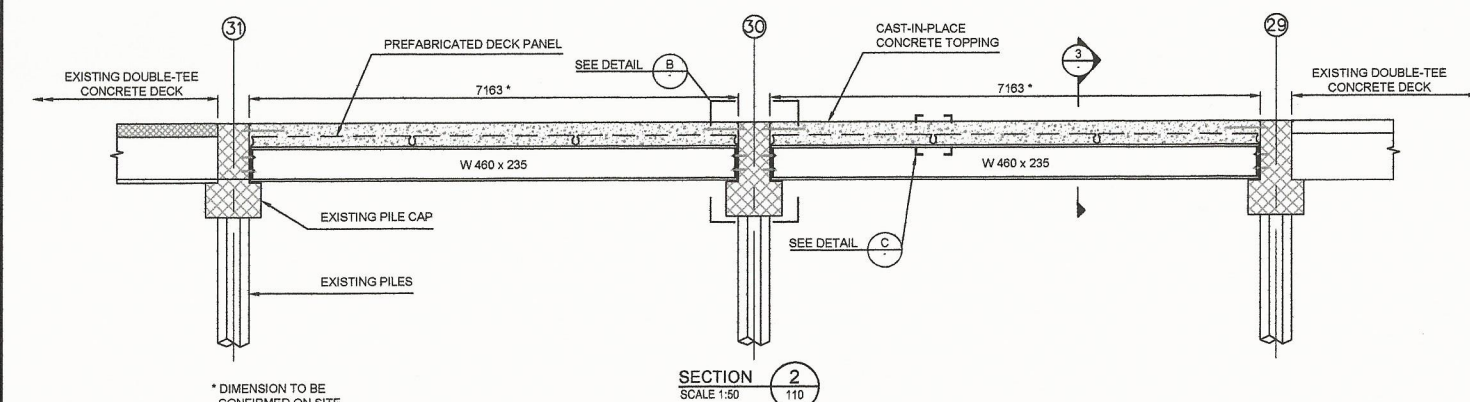
PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TP90C

Client/Client
VJA

Drawing title/Titre du dessin

**WHARF REPAIR AREA 1
PLAN AND SECTION**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
215126	110 OF	A



Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

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CONSULTING ENGINEERS
VANCOUVER, B.C.

PROFESSIONAL OF
A. E. PEDERSEN
14009
BRITISH COLUMBIA
ENGINEER

Aud Pedersen

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Revision/Description	Date
A	ISSUED FOR TENDER 15/01/11

Fisheries & Oceans Canada
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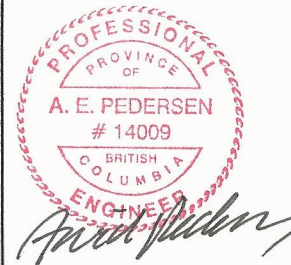
Project title/Titre du projet
CCG BASE - SHOAL POINT
EXISTING WHARF
SECTIONS

Approved by/Approve par
A.P.
Designed by/Concept par
A.P.
Drawn by/Designe par
WBL
PWSC Project Manager/Administrateur de Projets TPSCC
PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCC
Client/Client
VJA
Drawing title/Titre du dessin

CONCRETE AND REINFORCING
DETAILS
SHEET 1 OF 2

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
215126	111 OF	A

GENERAL NOTES:
1. REFER TO DWG. -100 FOR GENERAL NOTES.



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Revision/	Issued for Tender	Date
1	ISSUED FOR TENDER	15/12/11

Fisheries & Oceans Canada
Real Property
Safety & Security
 200 - 401 Burrard Street
 Vancouver, Canada, V6C 3S4

Project title/Titre du projet

CCG BASE - SHOAL POINT
EXISTING WHARF
SECTIONS

Approved by/Approuvé par

A.P.

Designed by/Concept par

A.P.

Drawn by/Dessiné par

WSL

PWGSC Project Manager/Administrateur de Projets TP&SC

PWGSC Architectural and Engineering Resources Manager/

Ressources Architectural et de Directeur d'Ingénierie, TP&SC

Client/Client

VJA

Drawing title/Titre de dessin

CONCRETE AND REINFORCING
DETAILS
SHEET 2 OF 2

Project No./No. du projet

215126

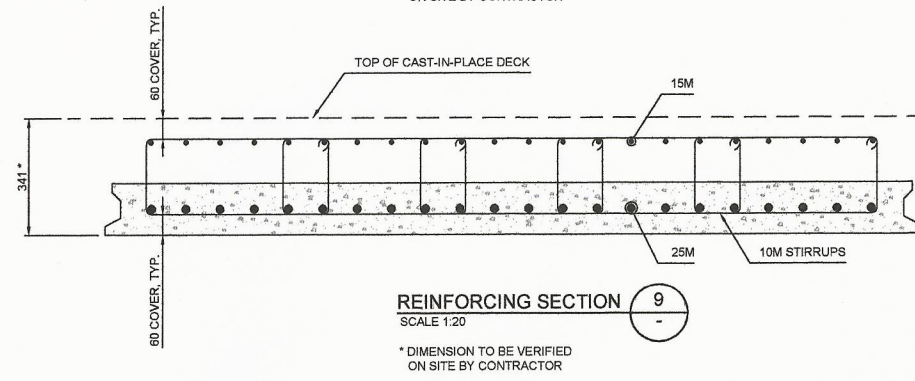
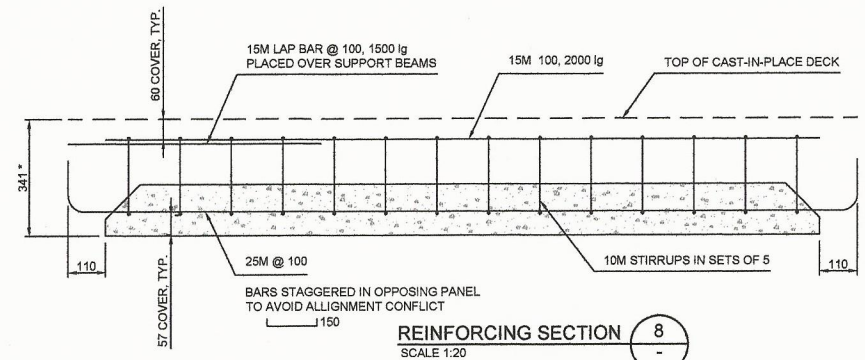
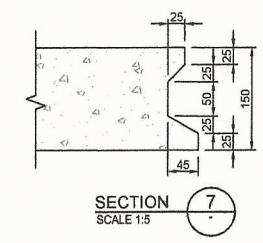
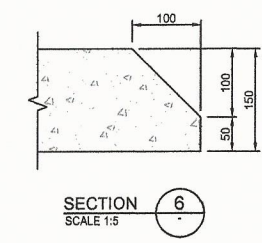
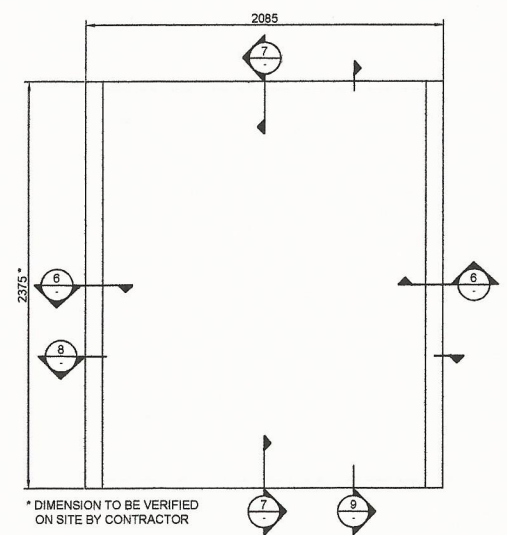
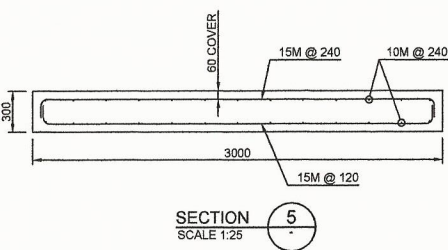
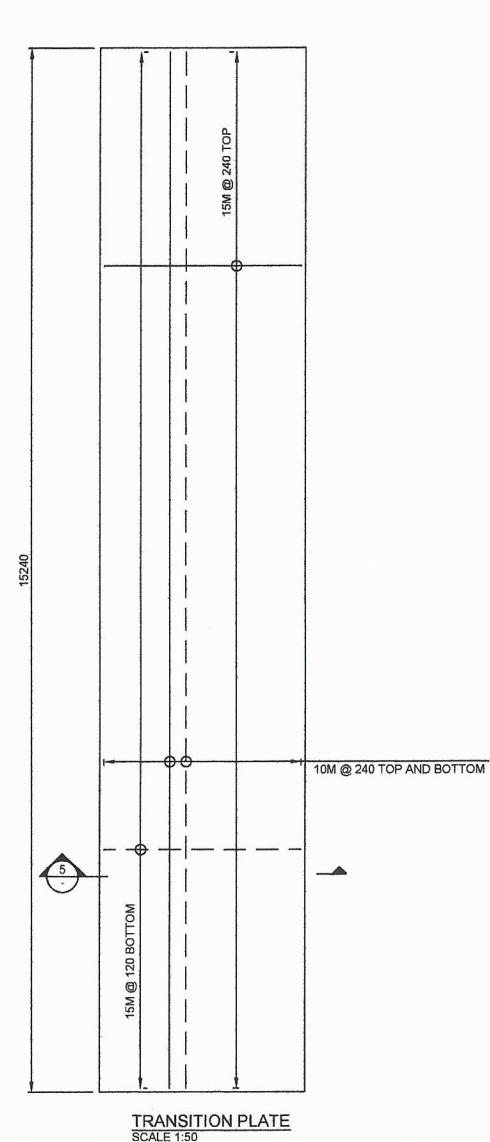
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112

OF

Revision no./

La Révision no. A



GENERAL NOTES:
 1. REFER TO DWG. -100 FOR GENERAL NOTES.





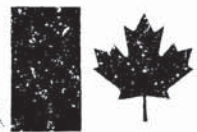
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Canada

CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C.

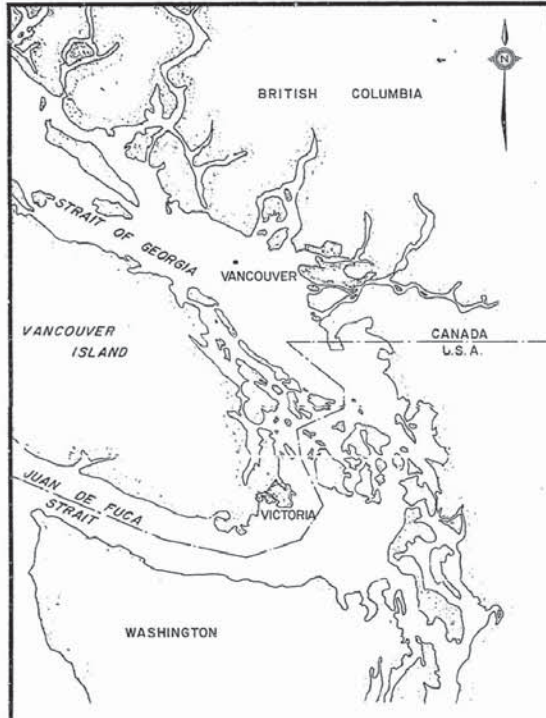
PHASE IV - WHARF

DRAWING LIST

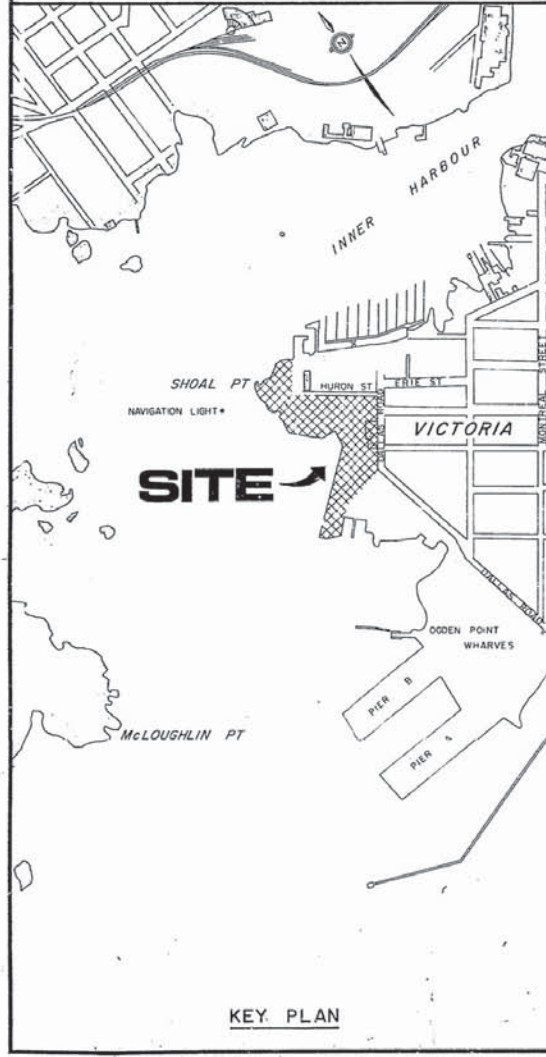
S1 - SITE PLAN	S8 - PILE LAYOUT BENTS 1 TO 16 PLAN	S13 - DECKING BENTS 1 TO 16 PLAN	M1 - SITE PLAN (MECHANICAL) SECTIONS & DETAILS
S2 - LAYOUT PLAN	S9 - PILE LAYOUT BENTS 16 TO 32 PLAN	S14 - DECKING BENTS 16 TO 32 PLAN	E1 - ELECTRICAL SITE PLAN & DETAILS
S3 - TOPOGRAPHY PLAN	S10 - PILE CAPS - BENTS 1 TO 15 AND 17 TO 21 CONC OUTLINE & REINF	S15 - CONCRETE PILE & DOUBLE TEE DETAILS	E2 - ELECTRICAL KIOSK DETAILS
S4 - BOPEHOLE AND TEST PILE LOCATIONS CROSS SECTIONS	S11 - PILE CAP BENT 16 CONC OUTLINE & REINF	S16 - FENDER SYSTEM DETAILS	
S5 - BENTS 1 TO 18 CROSS SECTIONS	S12 - PILE CAPS BENTS 22 TO 32 CONC OUTLINE & REINF	S17 - MISCELLANEOUS DETAILS	
S6 - BENTS 19 TO 32 CROSS SECTIONS			
S7 - TYPICAL CROSS SECTIONS			



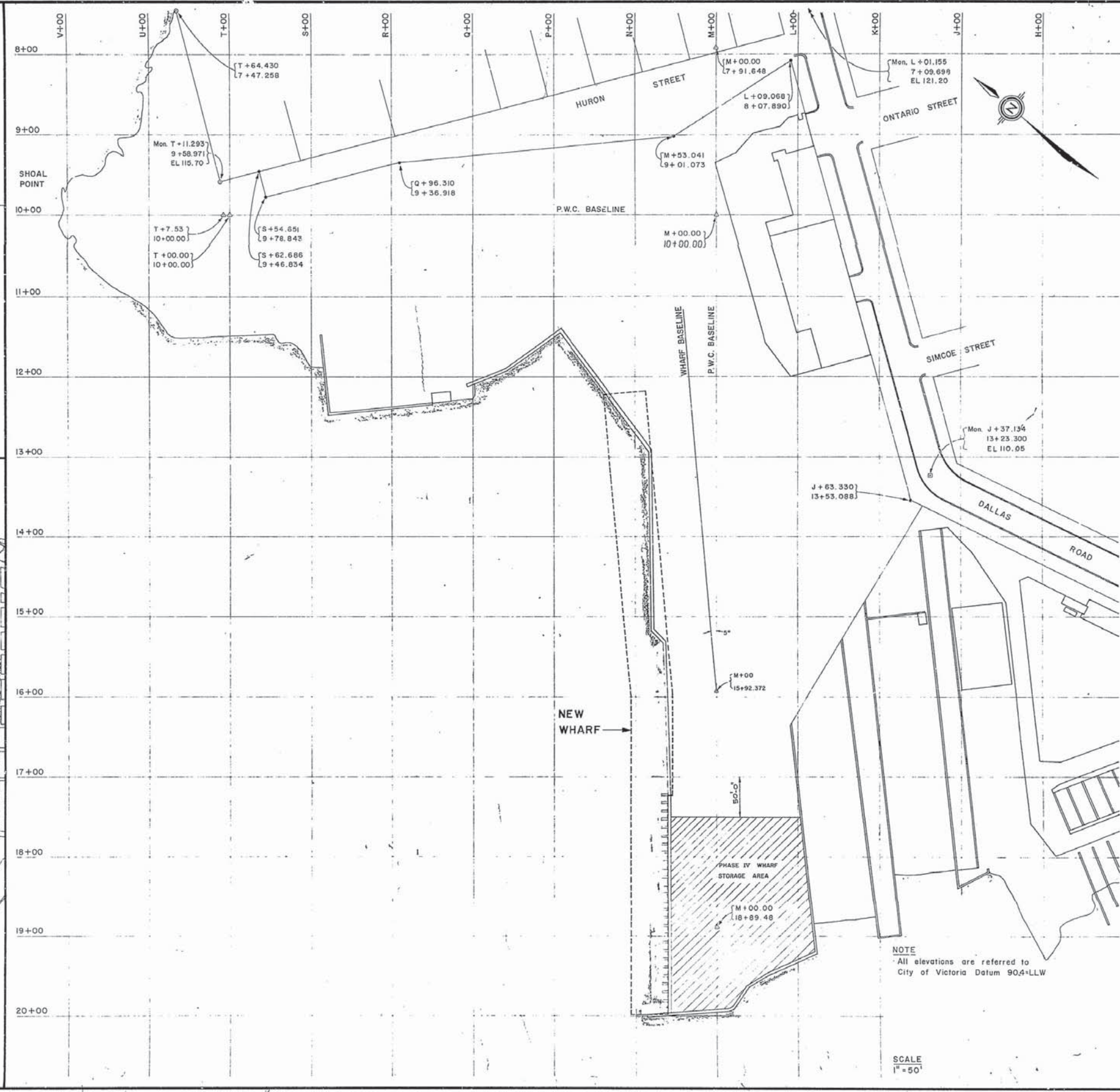
Public Works
Canada



LOCATION MAP



KEY PLAN



NOTE
All elevations are referred to
City of Victoria Datum 90.4-LLW

SCALE
1" = 50'

Public Works / Travaux publics
Canada / Canada

PACIFIC REGION

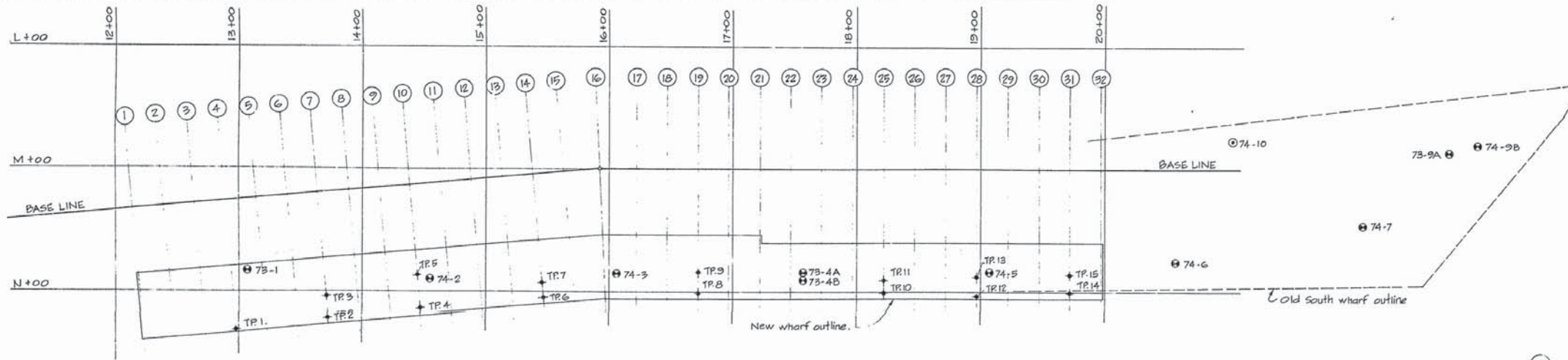
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C	Drawing no.	Sheet no.

AS BUILT FEB 1978
CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

SITE PLAN

Designed by	Checked by
Date	Date
Drawn by	Examined by
Date	Date
Approved by	Approved by
Date	Date
Project Manager	Administrateur de projets
Project number	no. du projet
89182	
Drawing no.	Sheet no.
S 1	

VB-1-02



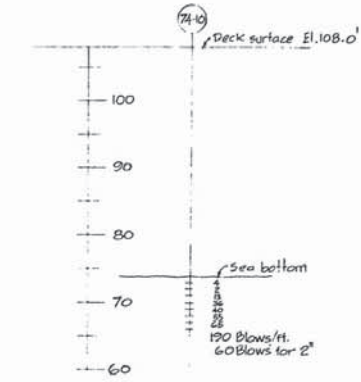
PLAN
Scale 1" = 40'

NOTES:-

1. City Datum low water level El. 90.4'
2. CSA Dynamic Cone Penetration Test - Numbers shown beside test 74-10 indicate number of blows of a 140-LB hammer with a 30" drop to drive cone 1 foot.

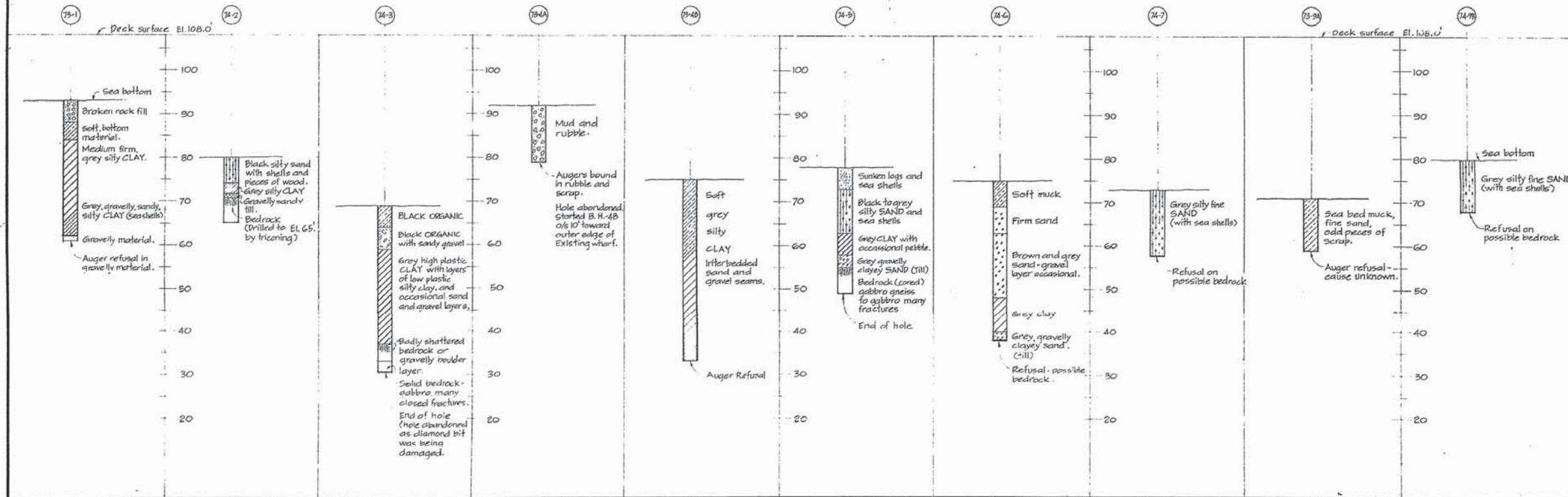
TEST Pile	TR 1	TR 2	TR 3	TR 4	TR 5	TR 6	TR 7	TR 8	TR 9	TR 10	TR 11	TR 12	TR 13	TR 14	TR 15
Sea bottom Elevation	El. 86.9'	El. 78.1'	El. 84.2'	El. 75.2'	El. 89.8'	El. 73.9'	El. 78.3'	El. 71.3'	El. 86.4'	El. 69.2'	El. 72.2'	El. 65.0'	El. 73.3'	El. 69.3'	El. 79.2'
Rock Elevation	El. 59.3'	El. 69.1'	El. 76.8'	El. 60.4'	El. 77.8'	El. 41.9'	El. 47.1'	El. 34.0'	El. 65.4'	El. 24.2'	El. 34.2'	El. 33.6'	El. 28.6'	El. 53.3'	El. 74.6'

- ▲ 12 WF Test pile
- Borehole
- Penetration test.



DYNAMIC CONE PENETRATION TEST
Scale 1" = 10'

BOREHOLE TESTS
Scale 1" = 10'



AS BUILT FEB 1978

project file
**CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF**

drawing file
**BOREHOLE AND
TEST PILE LOCATIONS.
CROSS SECTIONS**

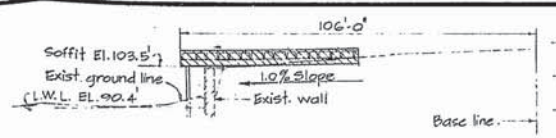
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drawn by A.G.C. detailed by [Signature]
date [Date]

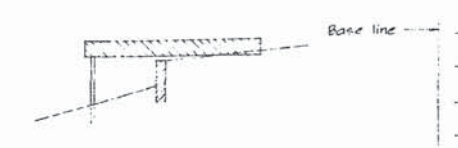
reviewed by [Signature] estimated per [Signature]
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approved by [Signature] approved per [Signature]
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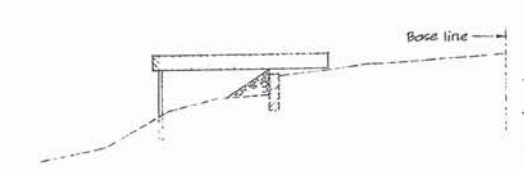
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D.P.W. Project Manager Administrateur de projets M.T.P.
project number 89182 No. du projet
drawing no. S 4



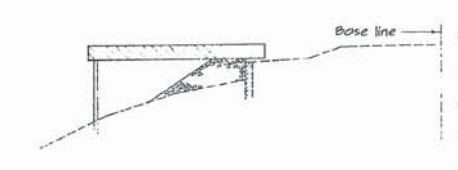
BENT 1
Scale 1" = 20' Typical



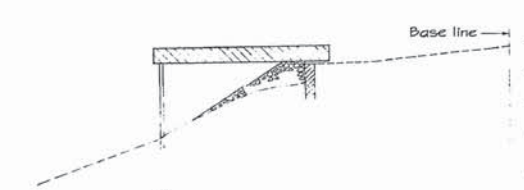
BENT 2



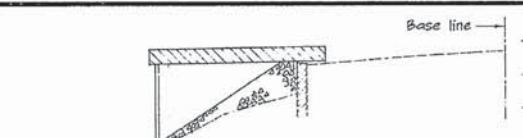
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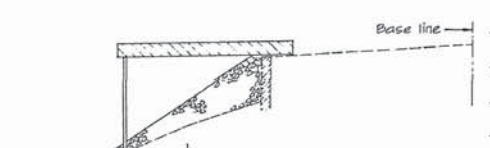
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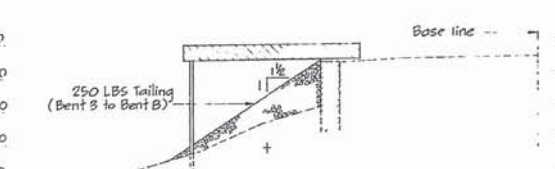
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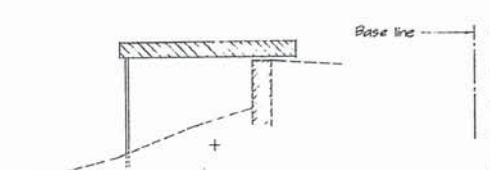
BENT 6



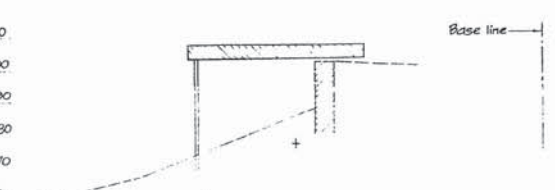
BENT 7



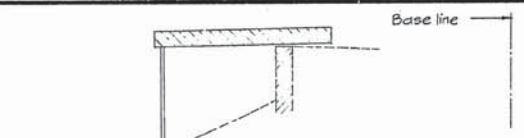
BENT 8



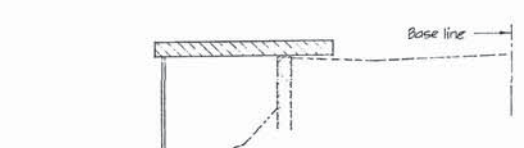
BENT 9



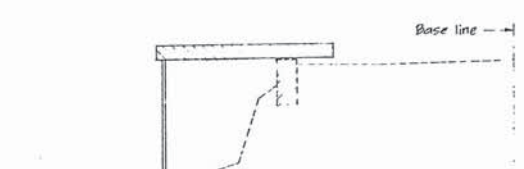
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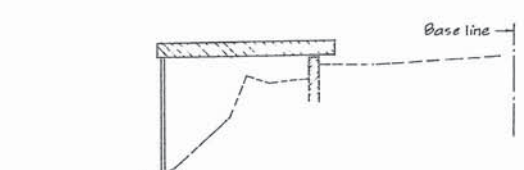
BENT 11



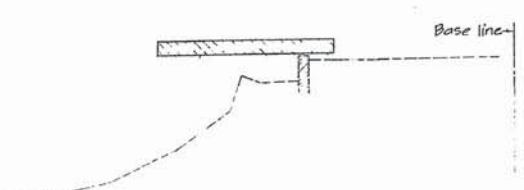
BENT 12



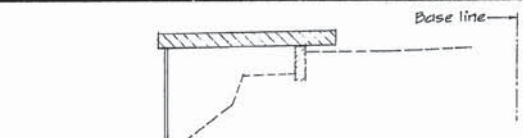
BENT 13



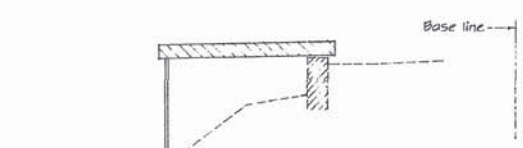
BENT 14



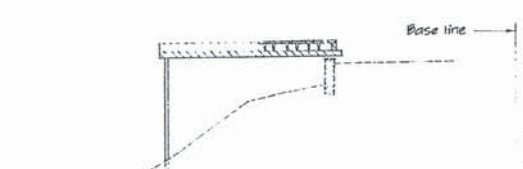
BENT 15



BENT 16



BENT 17



BENT 18

+ Rock Elevations are determined by interpolating between test piles.
 ⊕ Rock Elevations were determined by driving a "H" Bearing Pile (Jan 26-28, 1976)

Scale 1" = 20'

Public Works Canada / Travaux publics Canada

PACIFIC REGION

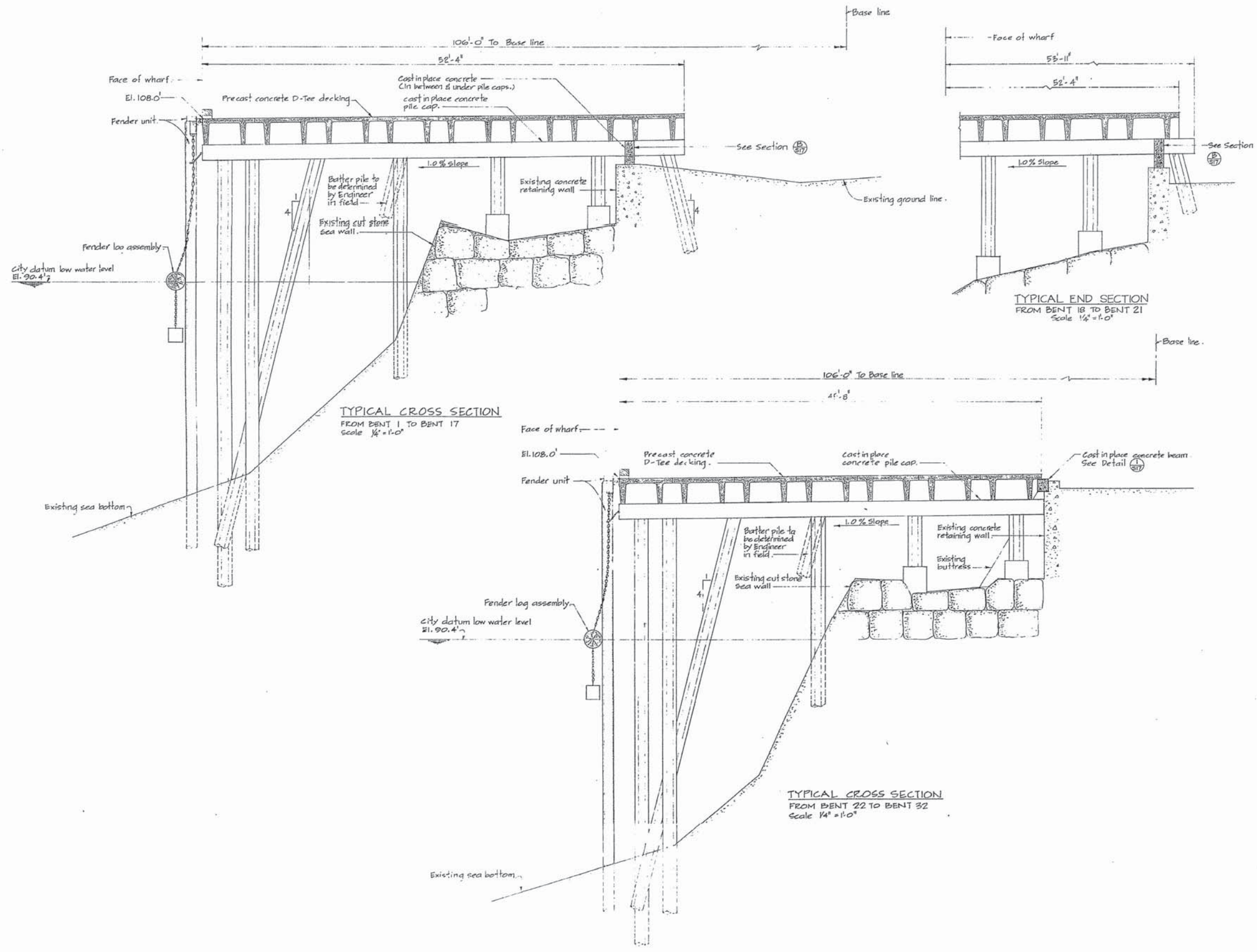
A detail no. 0000 no.
 B location drawing no. no. detail no.
 C drawing no. 0000 no.
 A - New rock elevations added Jan 3/76

AS BUILT FEB 1978
 project title
 CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV - WHARF

DESIGNED BY
 DRAWN BY
 CHECKED BY
 APPROVED BY

DESIGNED BY
 DATE
 DRAWN BY
 DATE
 CHECKED BY
 DATE
 APPROVED BY
 DATE
 TENDER
 D.P.M. Project Manager / Administrateur de Proj. M.P.A.
 project number 89182
 drawing no. S 5

VB-1-06



Public Works Canada / Travaux publics Canada

PACIFIC REGION

A detail no. _____
 B section drawing no. _____
 C drawing no. _____

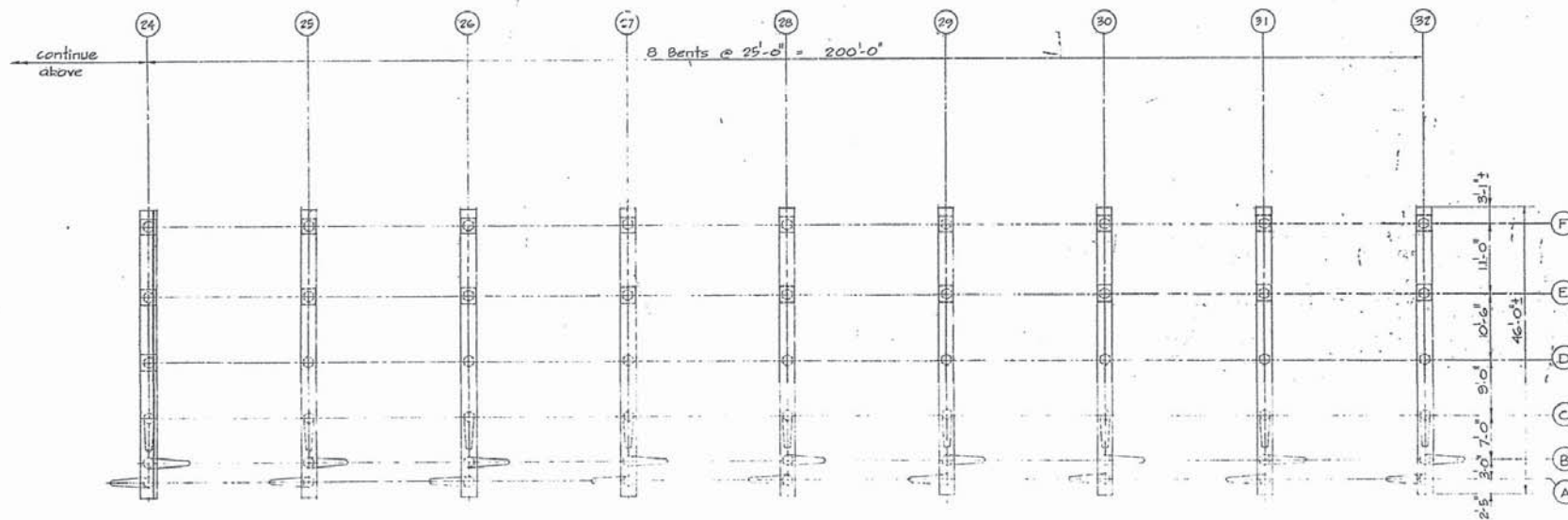
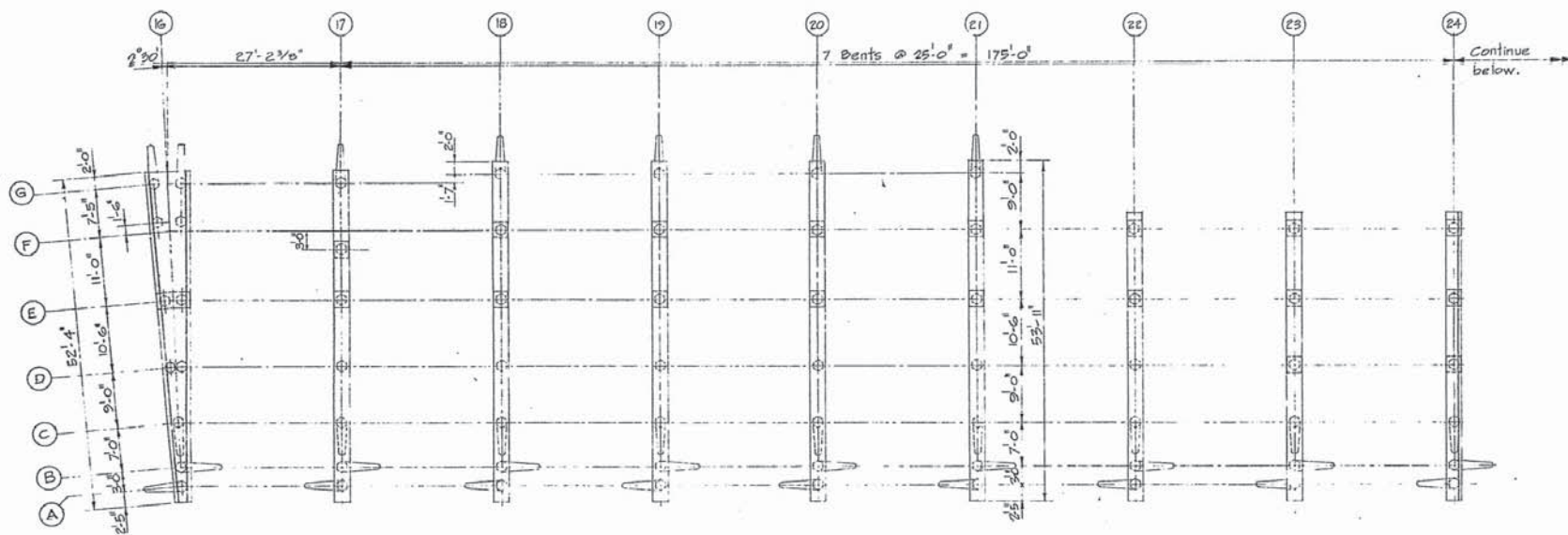
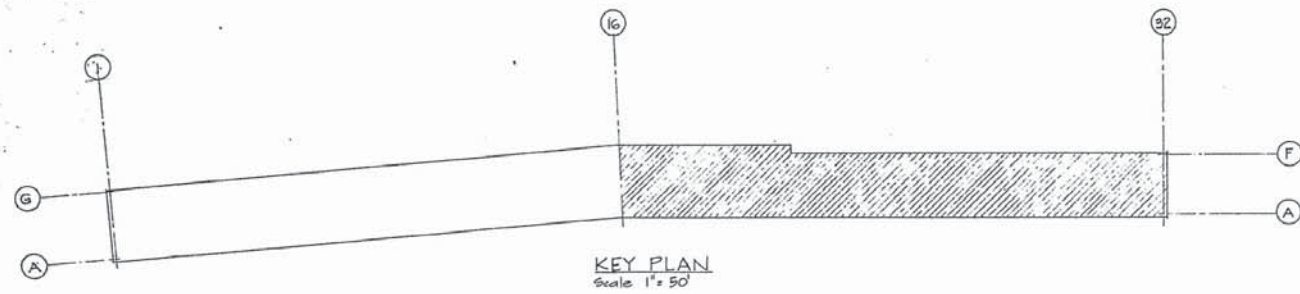
AS BUILT FEB 1978

CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV - WHARF

TYPICAL
 CROSS SECTIONS

Designed by _____
 Date _____
 Drawn by A.C.
 Date _____
 Reviewed by _____
 Date _____
 Approved by _____
 Date _____
 Tender _____
 D.P.W. Project Manager / Administrateur de Projets M.T.P.
 Project number 89182
 Drawing no. S 7

VB-1-08



LEGEND:

- 18" Octagonal prestressed concrete pile.
- 18" Octagonal prestressed concrete batter pile. (Batter 1.4% or determined by Bightness)
- 2'-0" x 2'-0" x 2'-0" Deep min. cast in place reinforced concrete footing.

Public Works Travaux publics
Canada Canada

PACIFIC REGION

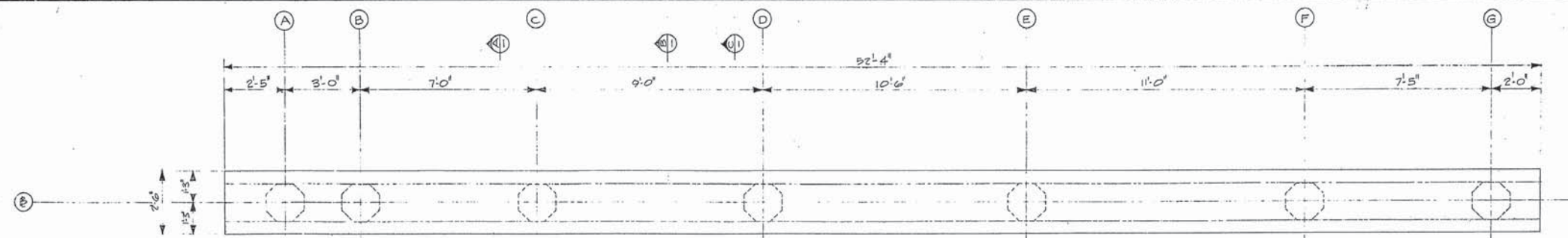
A detail no.	detail no.
B location drawing no.	loc drawing no.
C drawing no.	drawing no.
revision	date

FOR AS BUILT SEE DWG. -
AS BUILT PILES & FOOTINGS
"H 3, 4 of 5"

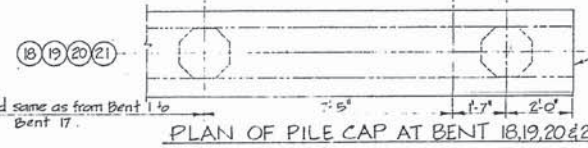
project title
CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

drawing title
PILE LAYOUT
BENTS 16 TO 32
PLAN

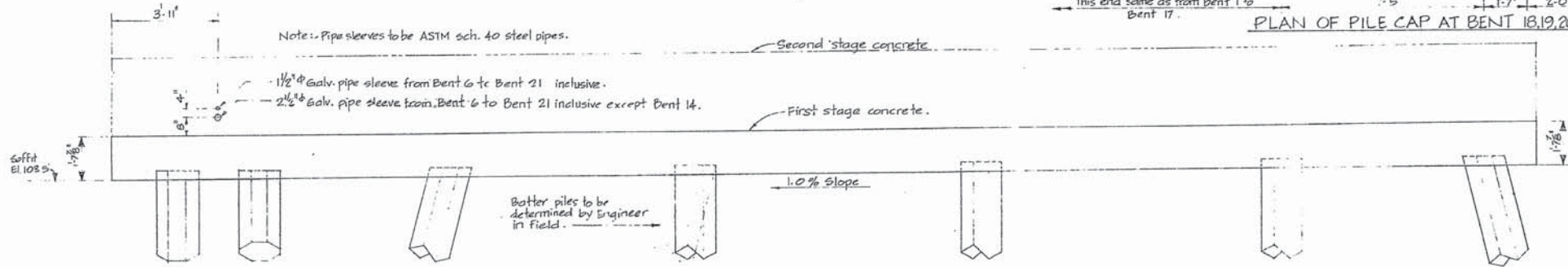
designed by A.C.	designed by
checked by A.C.	checked by
approved by A.C.	approved by
project number 89182	project number
drawing no. S 9	drawing no.



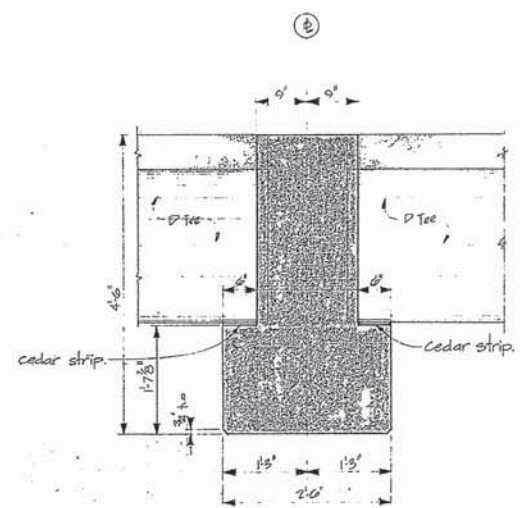
PLAN
TYPICAL FROM BENT 1
TO BENT 17 EXCEPT BENT
16 & AS SHOWN IN SECTION B & C.



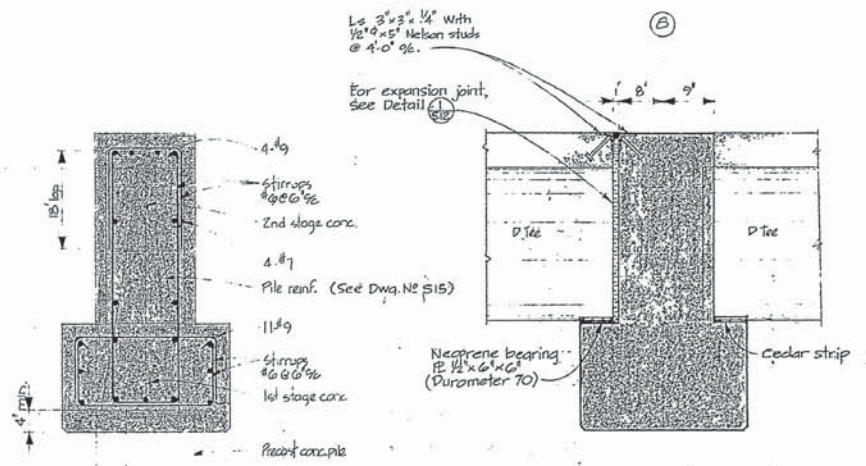
All details for these four pile caps same as pile caps from Bent 1 to Bent 17 except as shown. Lengthen reinf. steel to suit.



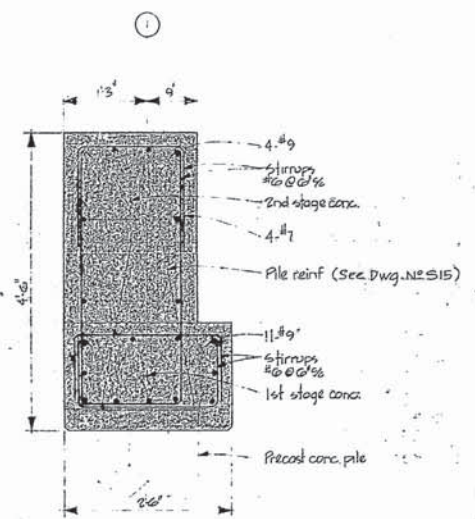
ELEVATION
Scale 1/2" = 1'-0"



SECTION A-A
TYP. CONC. OUTLINE
1'-11/2"



TYP. REINF.
1st and 2nd STAGE CONC.
1'-11/2"



SECTION C-C
BENT 1 REINF. & CONC. OUTLINE
1'-11/2"

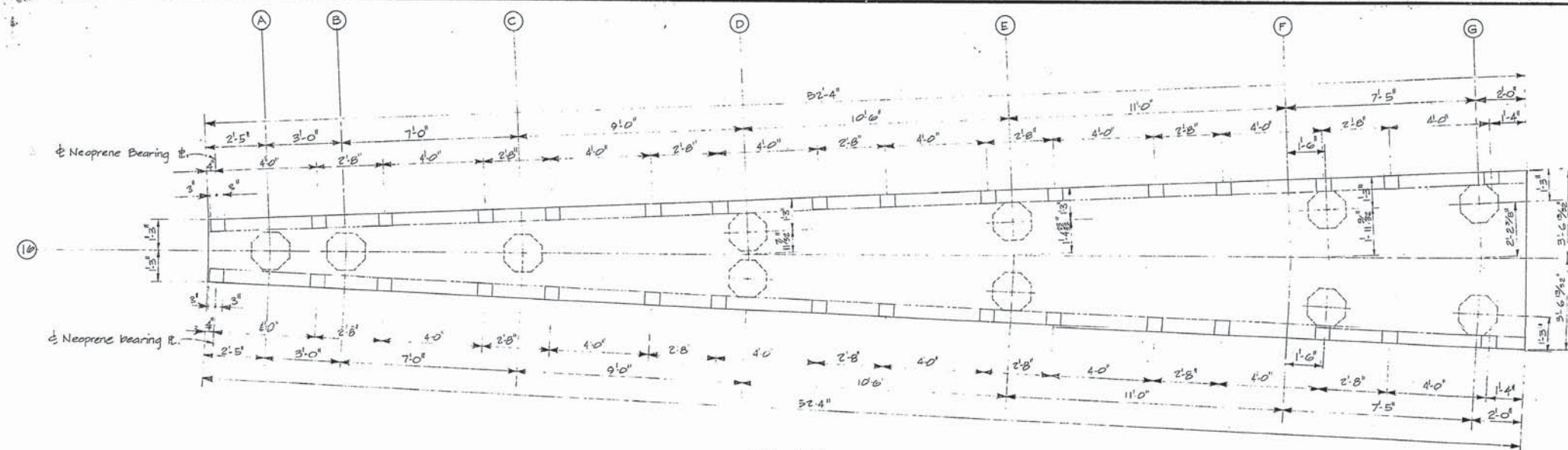
A detail no.	sheet no.
B location drawing no.	sur. design no.
C drawing no.	sheet no.

FOR AS BUILT SEE DWG. NO. AS BUILT 1ST STAGE PILE CAP SH 1, 2, 3 & 4.

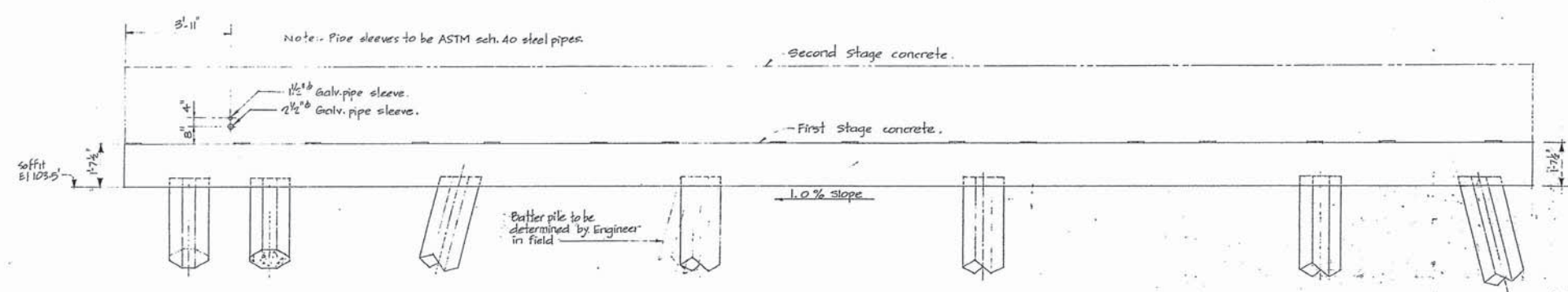
project title: CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV - WHARF

drawing title: PILE CAPS - BENTS 1 TO 15 AND 17 TO 21 CONC OUTLINE & REINF.

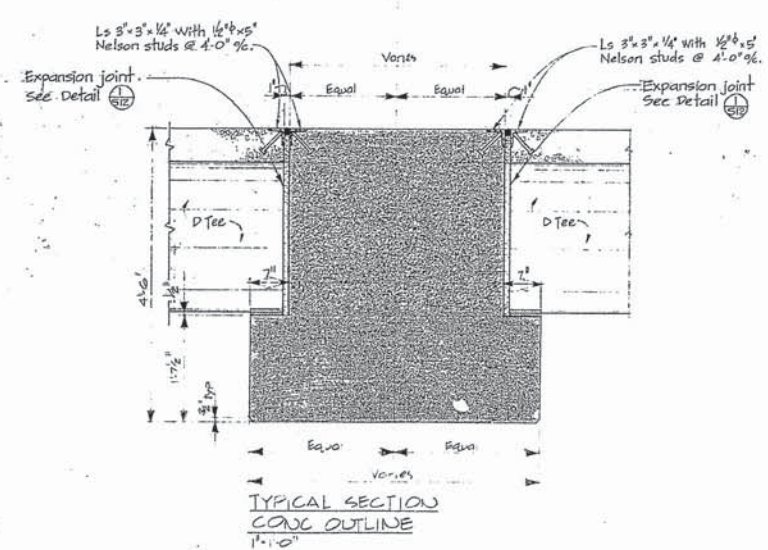
designed by	checked by
drawn by	approved by
revised by	approved by
approved by	approved by
D.P.W. Project Manager	Administrateur de projet M.P.C.
project number	sheet no.
89182	S 10



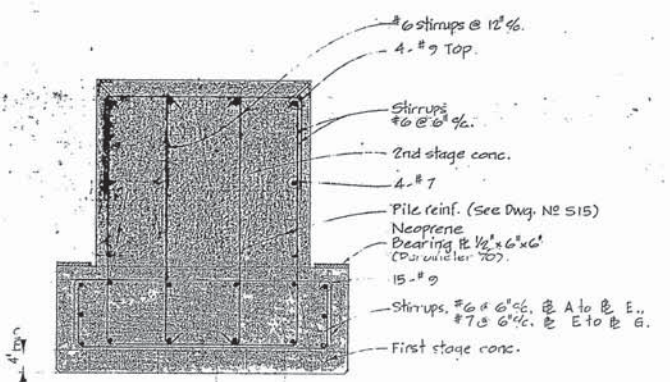
PLAN
Scale 1/8" = 1'-0"



ELEVATION
Scale 1/8" = 1'-0"



TYPICAL SECTION
CONC OUTLINE
1'-1'-0"



TYP REINF DOUBLE PILE
1st and 2nd STAGE CONX
1'-1'-0"

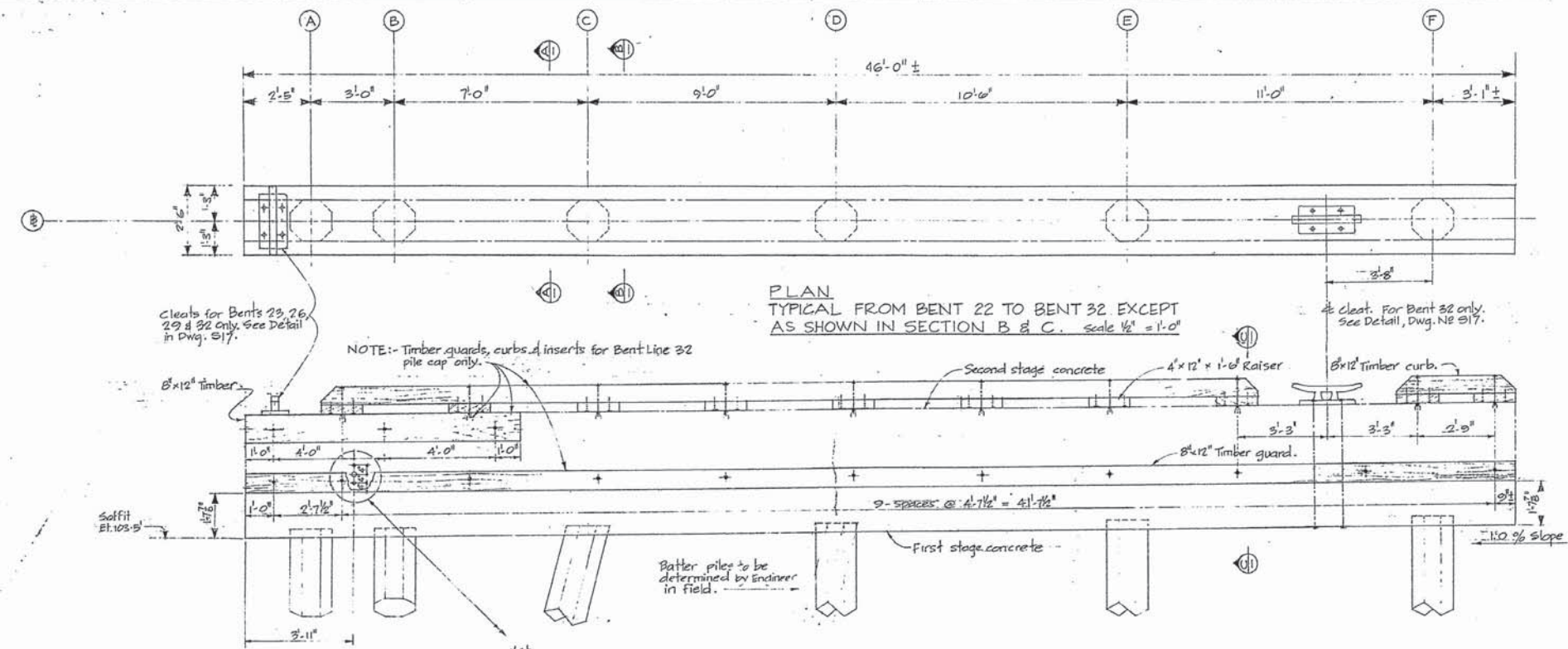
A Detail no.	Sheet no.
B Location drawing no.	Job number
C Drawing no.	Sheet no.
Revision	Date

FOR AS BUILT SEE DWG
"AS BUILT - 1ST STAGE"
PILE CAP SH 2 of 4

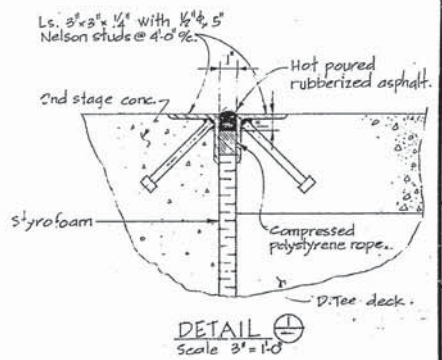
Project No. 89182
CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

Drawing No. S.11
PILE CAP
BENT 16
CONC OUTLINE & REINF

Designed by	Checked by
Date	Date
Drawn by	Approved by
Date	Date
Tender	Contract No.
D.P.W. Project Manager	Accommodated at
Project number	Sheet no.
89182	S.11



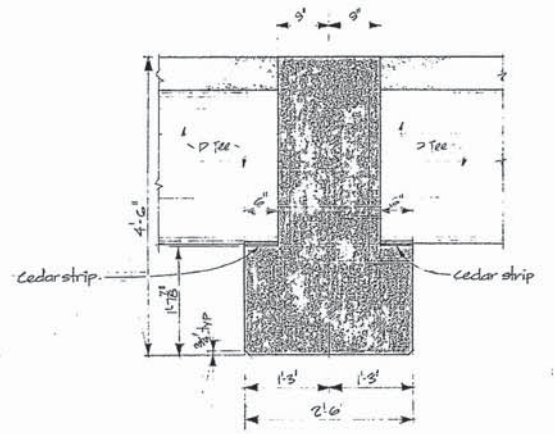
PLAN
TYPICAL FROM BENT 22 TO BENT 32 EXCEPT
AS SHOWN IN SECTION B & C. Scale 1/2" = 1'-0"



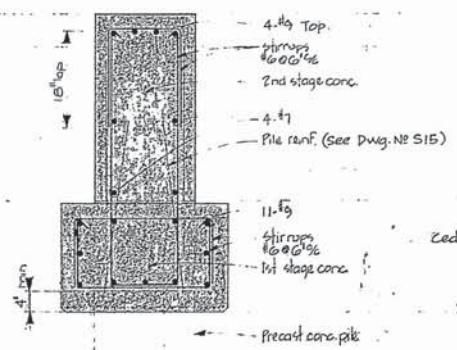
DETAIL
Scale 3" = 1'-0"



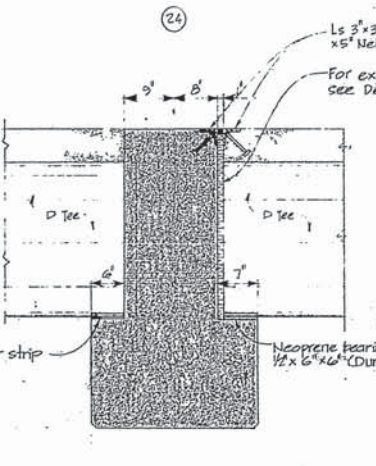
ELEVATION
Scale 1/2" = 1'-0"



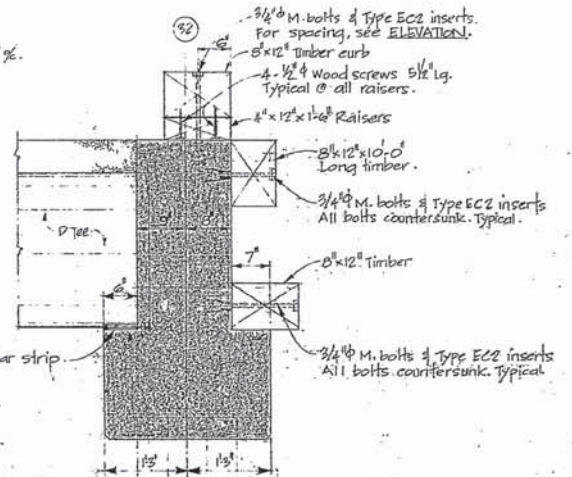
SECTION A
TYP. CONC. OUTLINE
1" = 1'-0"



TYP. REINF.
1st & 2nd STAGE CONC.
1" = 1'-0"



SECTION B
BENT 24 EXPANSION JOINT
1" = 1'-0"
Note: Typical Reinforcing



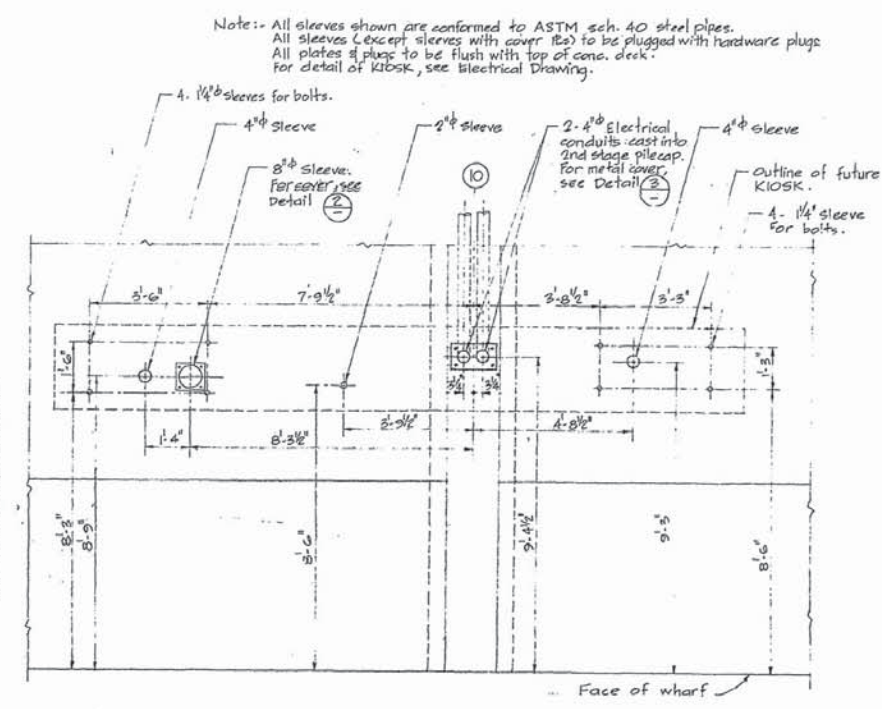
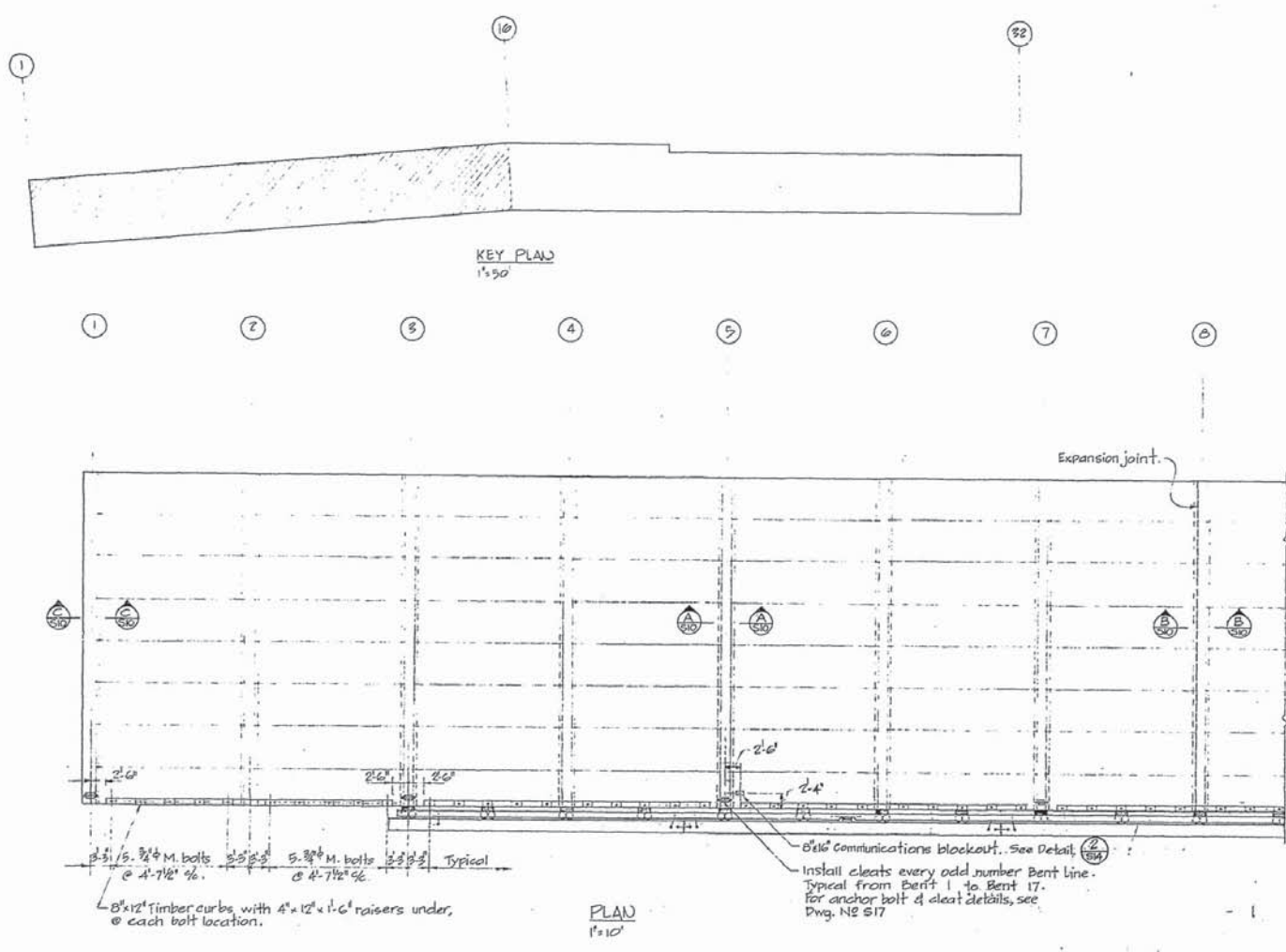
SECTION C
BENT 32 CONC. OUTLINE
1" = 1'-0"
Note: Typical Reinforcing

A	Sheet No.	Sheet No.
B/C	Location Drawing No.	Sheet Drawing No.
	Drawing No.	Sheet No.

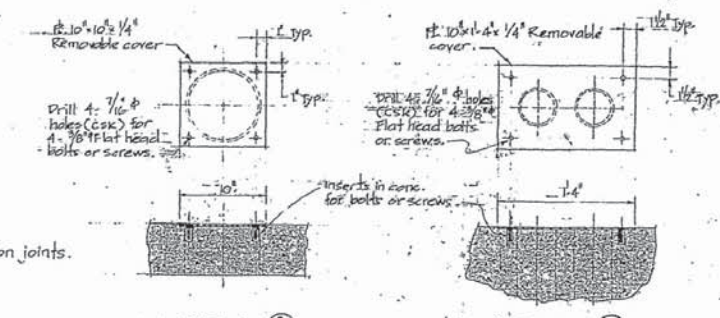
AS BUILT SEE DWG.
AS BUILT 1ST STAGE
PILE CAP SH 3,4 & 4
CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

PILE CAPS
BENTS 22 TO 32
CONC OUTLINE & REINF

Designed by	Checked by
Date	Date
Drawn by	Approved by
Date	Date
Reviewed by	Approved by
Date	Date
Project No.	Sheet No.
89182	S 12

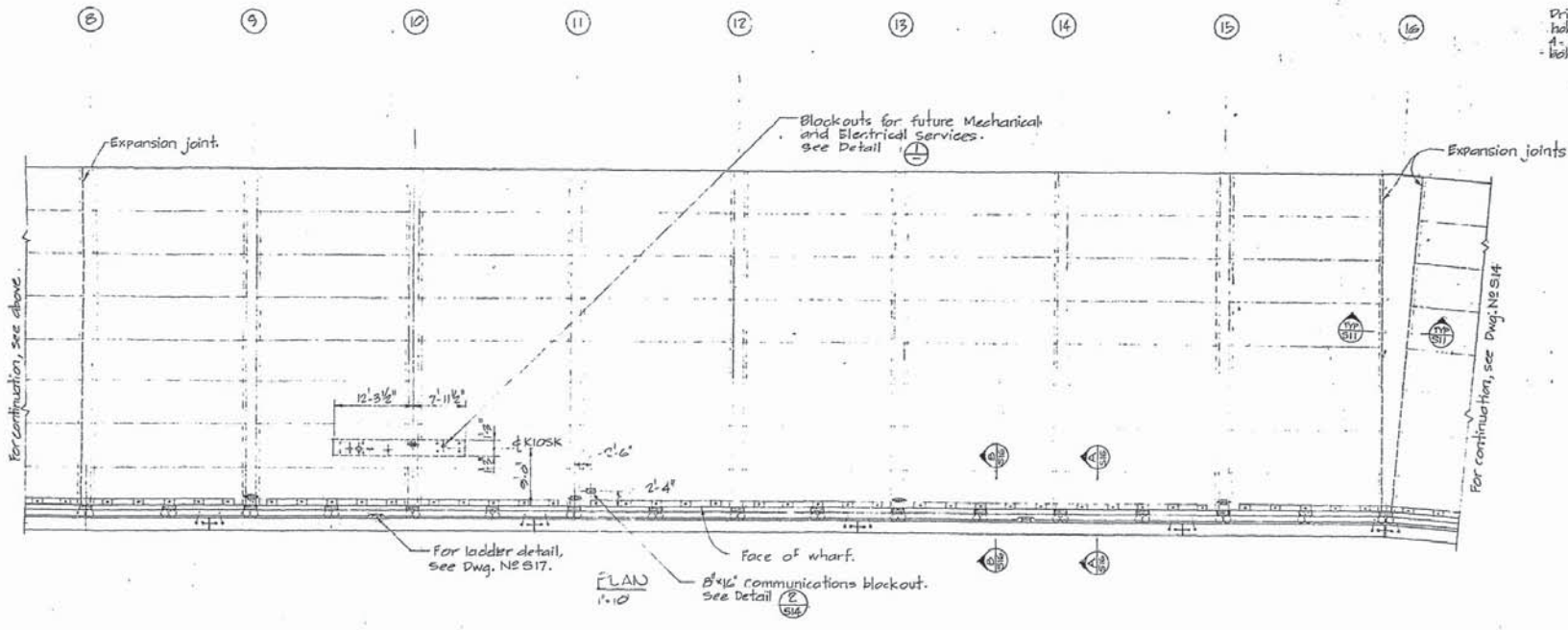


DETAIL 1
Scale 1/2"=1'-0"



DETAIL 2
Scale 1/2"=1'-0"

DETAIL 3
Scale 1/2"=1'-0"



Public Works Canada / Travaux publics Canada

PACIFIC REGION

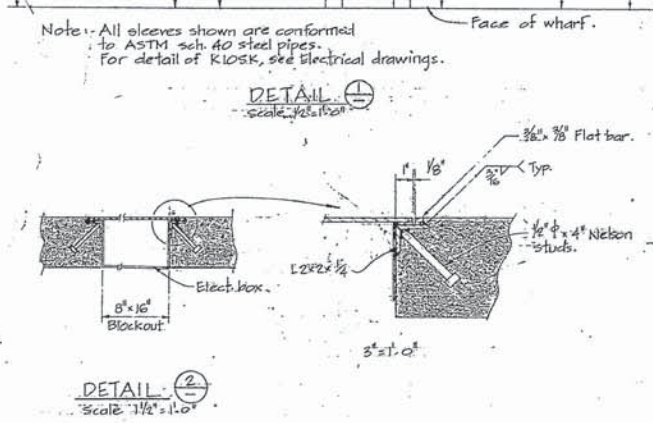
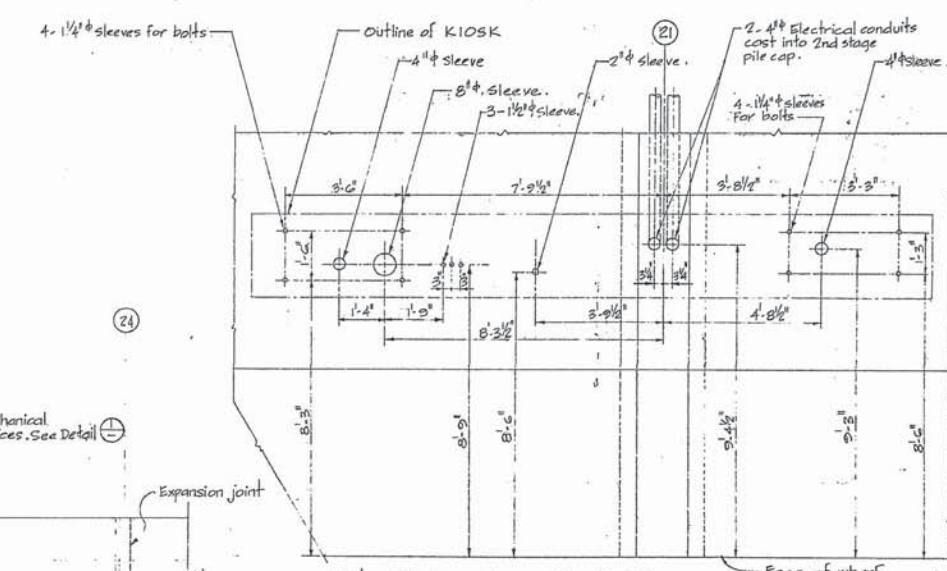
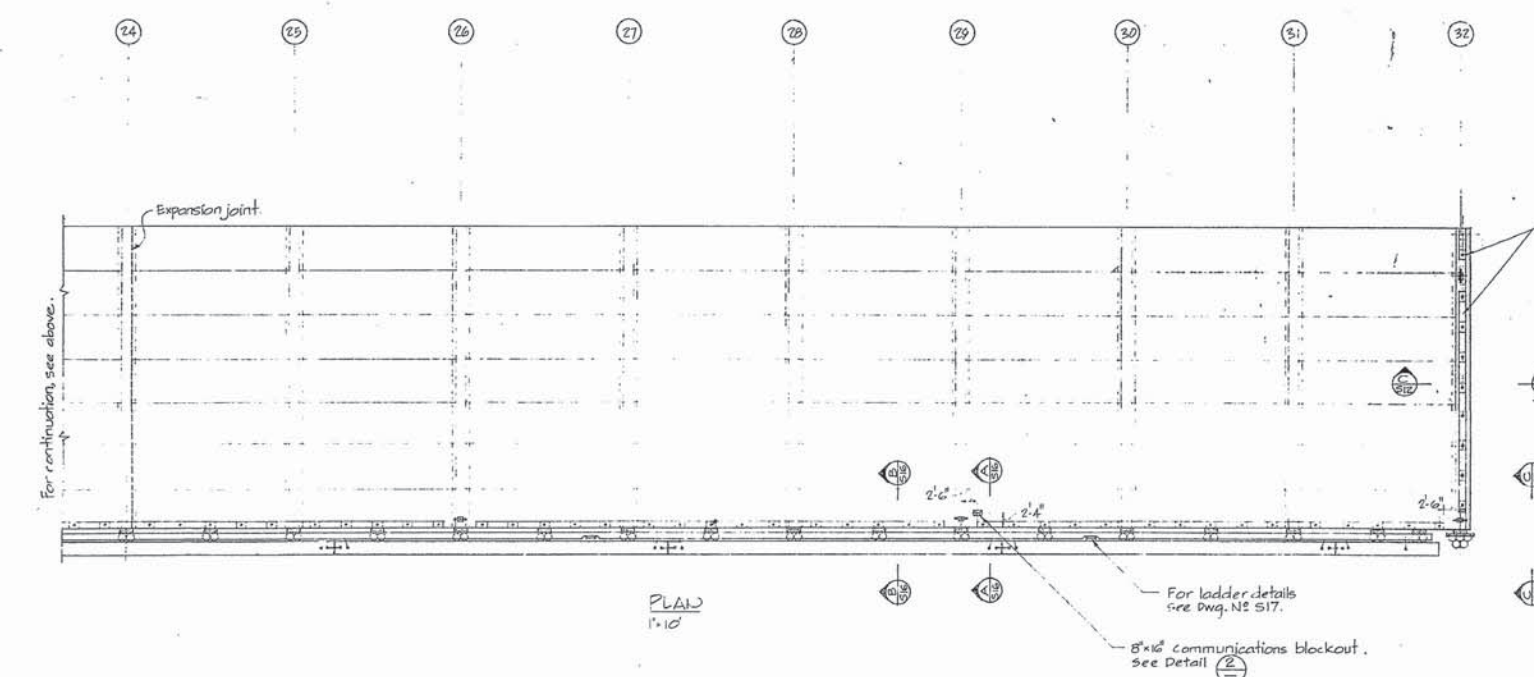
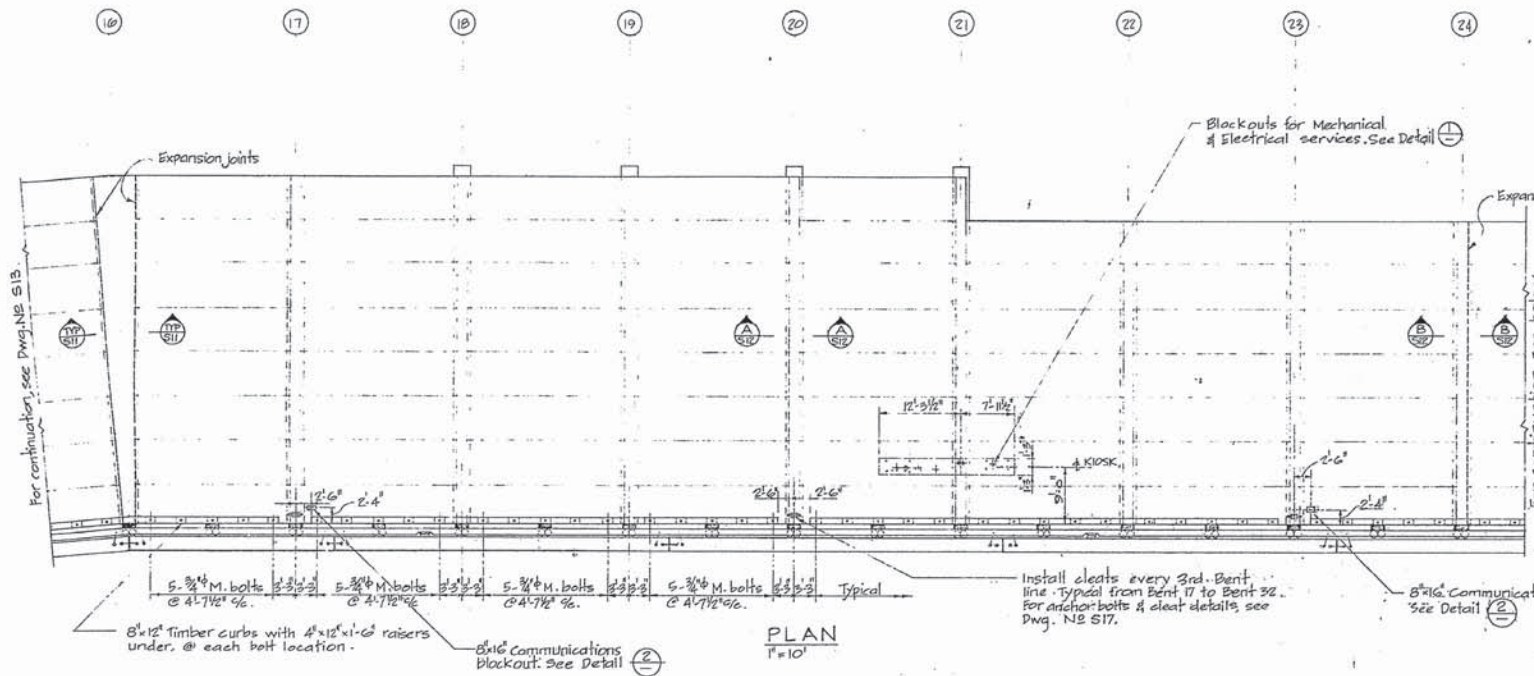
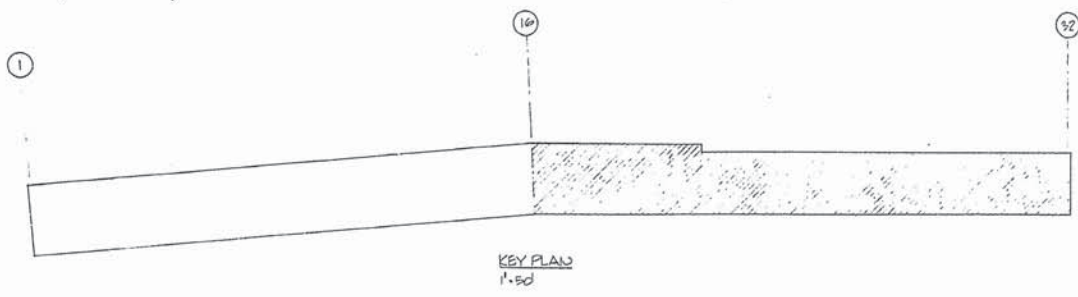
A detail no.	sheet no.
B location drawing no.	sheet no.
C drawing no.	sheet no.
revision	date

AS BUILT FEB. 1975

CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV - WHARF

DECKING BENTS 1 TO 16 PLAN	
designed by	checked by
date	date
drawn by	approved by
date	date
approved by	approved by
date	date
Transit	Communications
D.P.W. Project Manager	Establishment de projets M.C.P.
project number	no. de projet
89182	
drawing no.	sheet no.
S 13	

VB-1-14



Public Works Canada / Travaux publics Canada
PACIFIC REGION

A detail no.	detail no.
B location drawing no.	loc. drawing no.
C drawing no.	drawing no.
revision	date

AS BUILT FEB 1978

project no. 89182

CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

drawing title DECKING BENTS 16 TO 32 PLAN

designed by [Signature]

date [Date]

drawn by R.M.G.A.C.

checked by [Signature]

date [Date]

approved by [Signature]

date [Date]

approved by [Signature]

date [Date]

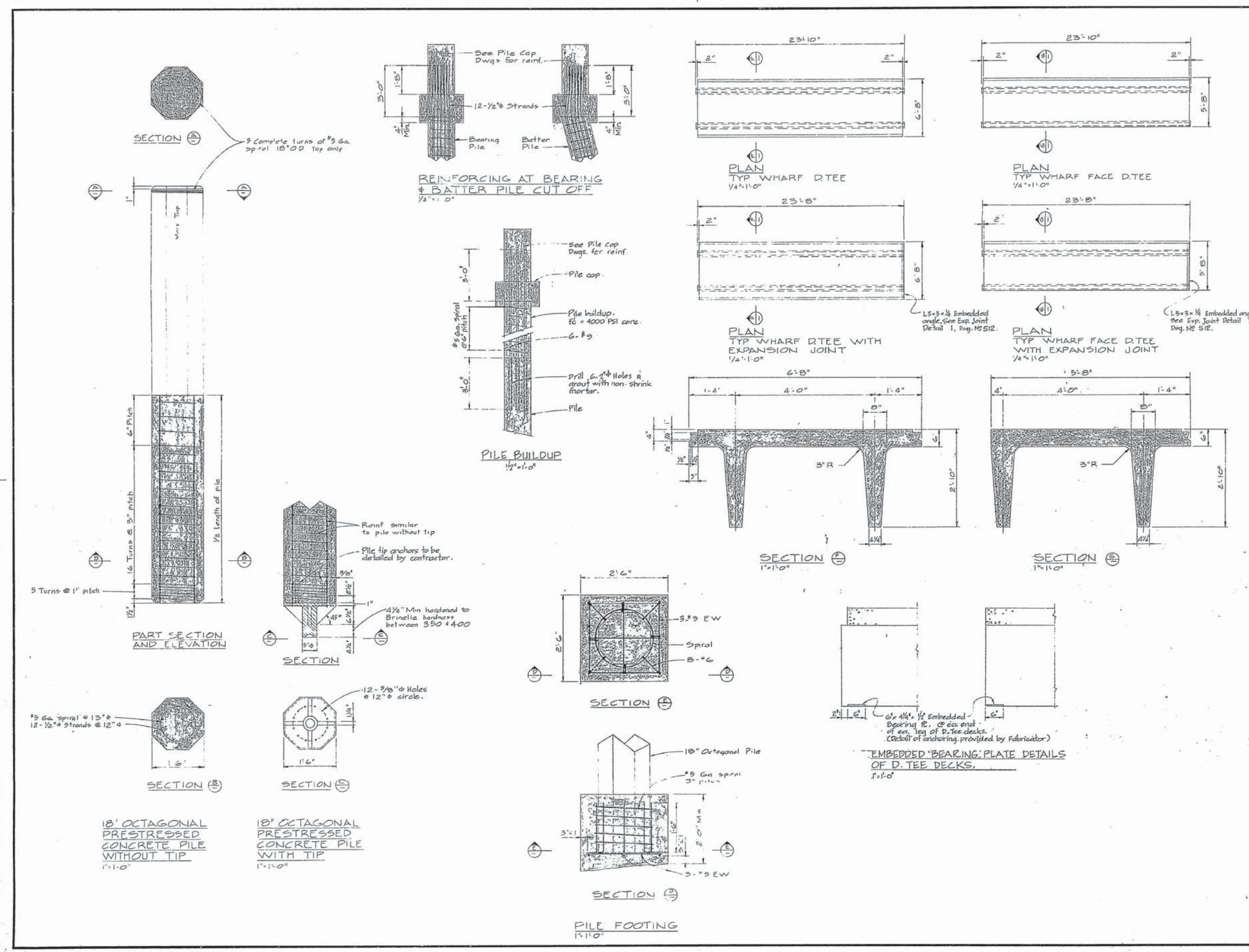
Tender [Signature]

D.P.W. Project Manager / Responsable de projet M.P.P.

project number 89182

drawing no. S 14

VB-1-15



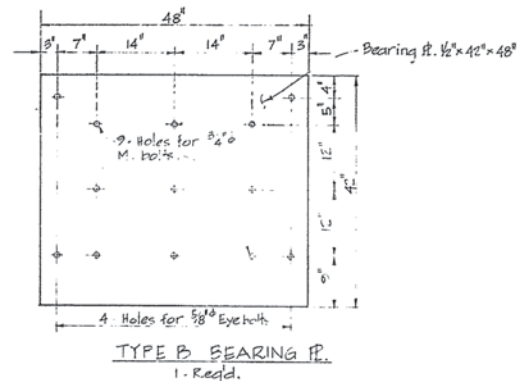
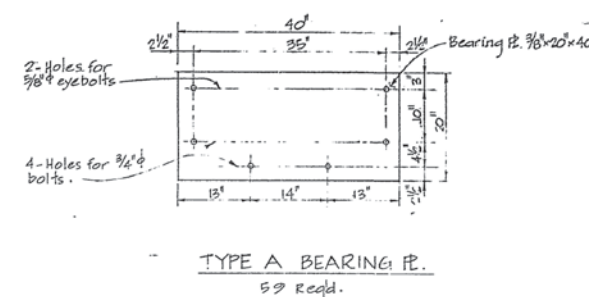
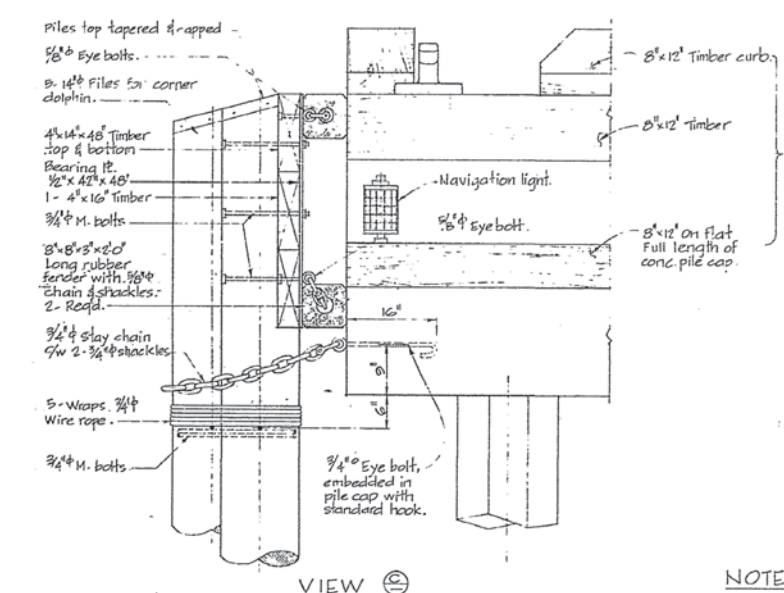
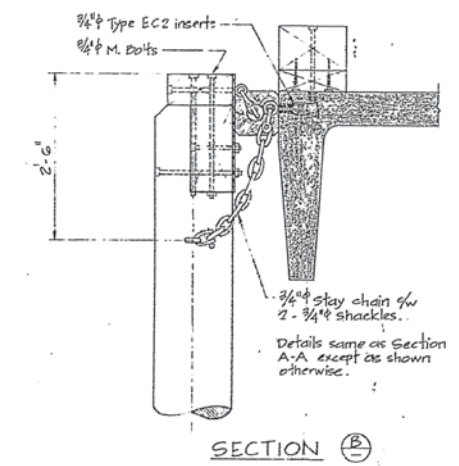
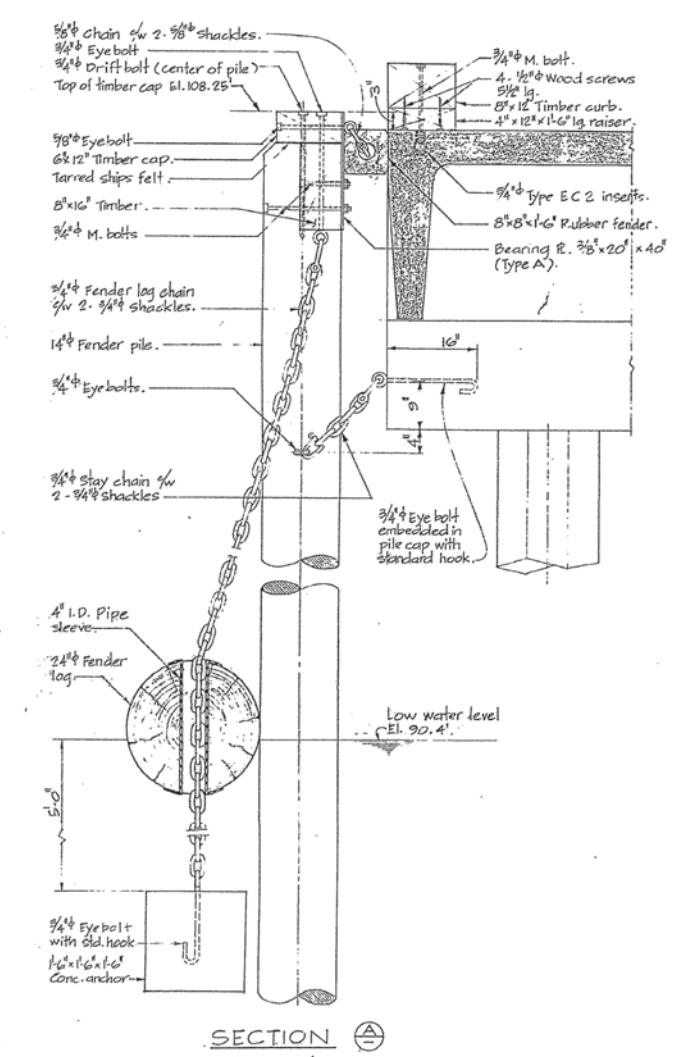
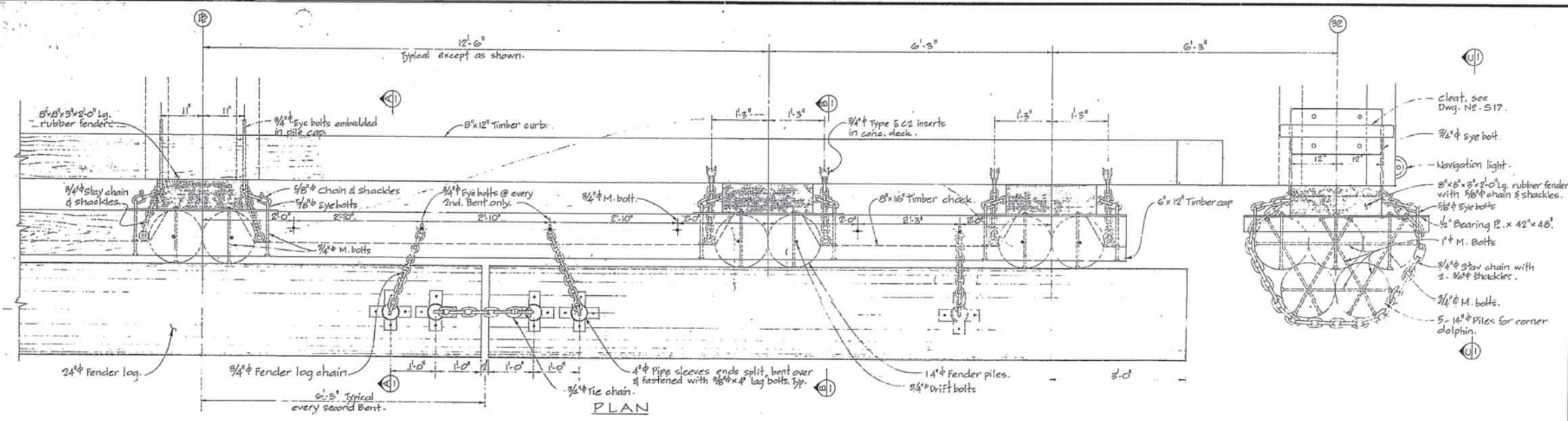
A detail no.	sheet no.
B location drawing no.	set design no.
C drawing no.	sheet no.
revision	date

A5 BUILT FEB 1978

project title: CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV - WHARF

drawing title: CONCRETE PILE & DOUBLE TEE DETAILS

designed by	checked by
date	date
drawn by	designed by
date	date
reviewed by	checked by
date	date
approved by	approved by
date	date
Vendor	Specification
D.P.M. Project Manager	Administrative or Project No.
project number	no. of sheets
89182	
drawing no.	sheet no.
S 15	



- NOTES**
- All bolts to be countersunk in timber with washers.
 - For Jagger details, see Dwg. No. S17.

Scale 1" = 1'-0"

Public Works Canada / Travaux publics Canada

PACIFIC REGION

A detail no. / detail no.
 B location drawing no. / loc. detail no.
 C drawing no. / sheet no.

AS BUILT FEB. 1978

project title: CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV - WHARF

drawing title: FENDER SYSTEM DETAILS

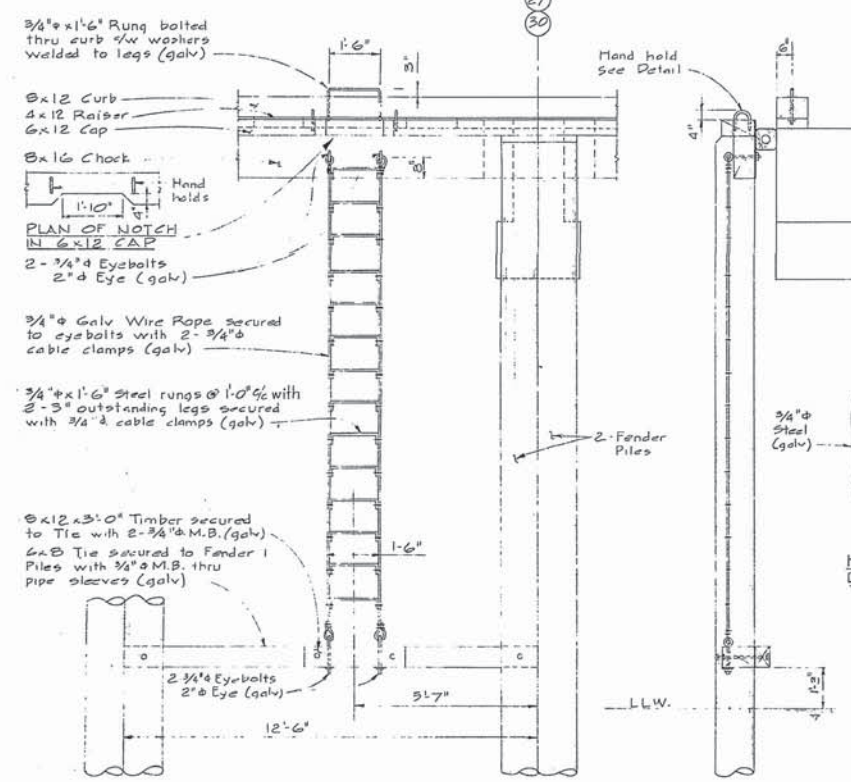
designed by: [Signature] / checked per: [Signature]
 date: [Date] / date: [Date]

drawn by: A.C. / checked per: [Signature]
 date: [Date] / date: [Date]

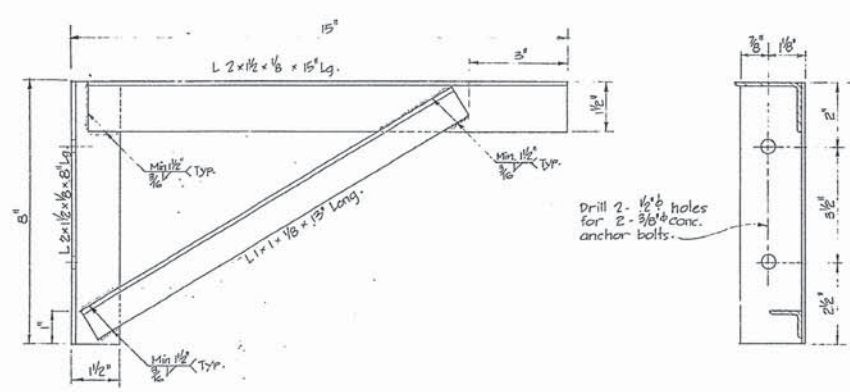
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approved by: [Signature] / approved per: [Signature]
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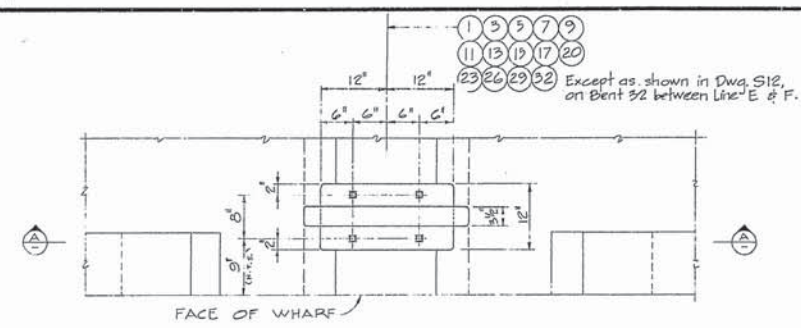
Drawn by: [Signature] / Checked by: [Signature]
 D.P.W. Project Manager / Administrateur de projets M.C.P.
 project number: 89182 / no. du projet: 89182
 drawing no. / sheet no.: S 16



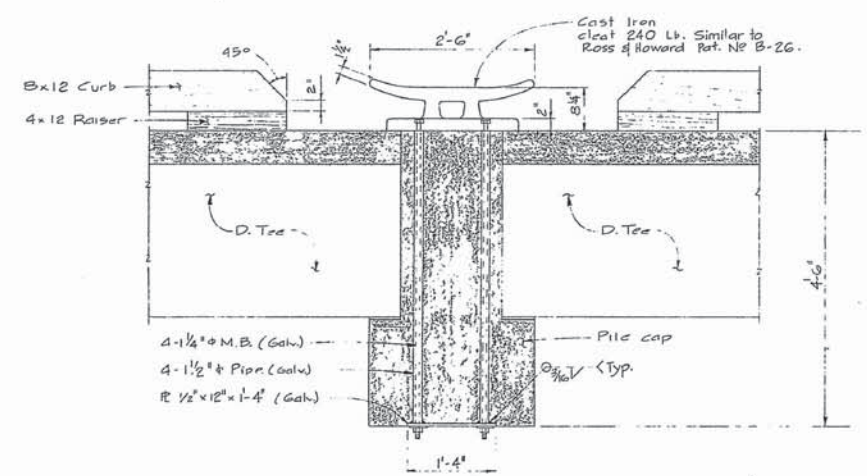
FRONT VIEW
SIDE VIEW
LADDER DETAIL
1/2" = 1'-0"



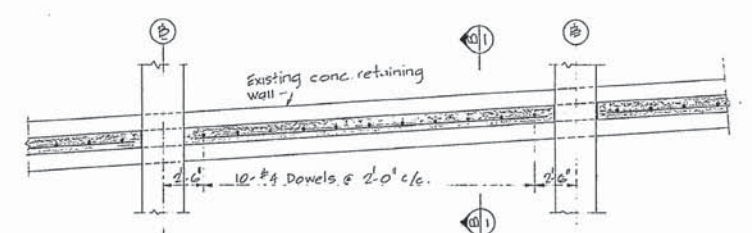
PIPE SUPPORT BRACKET
Scale 1/2" = 1'-0"



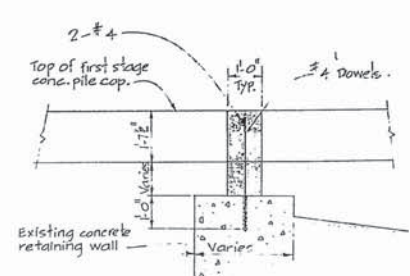
PLAN OF CLEAT
1" = 1'-0"



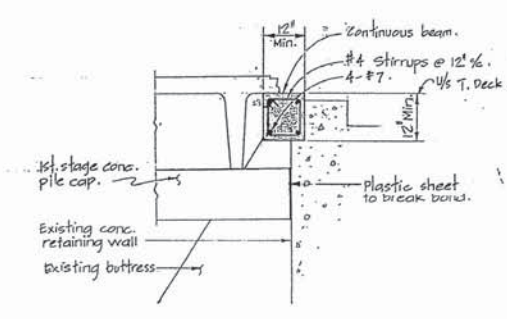
SECTION
1" = 1'-0"



PLAN
Scale 1/2" = 1'-0"



SECTION
Scale 1/2" = 1'-0"



DETAIL
Scale 1/2" = 1'-0"

Public Works Canada / Travaux publics Canada

PACIFIC REGION

A	Sheet no.	Sheet no.
B	Location drawing no.	Sheet no.
C	Drawing no.	Sheet no.

AS BUILT FEB. 1978
CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

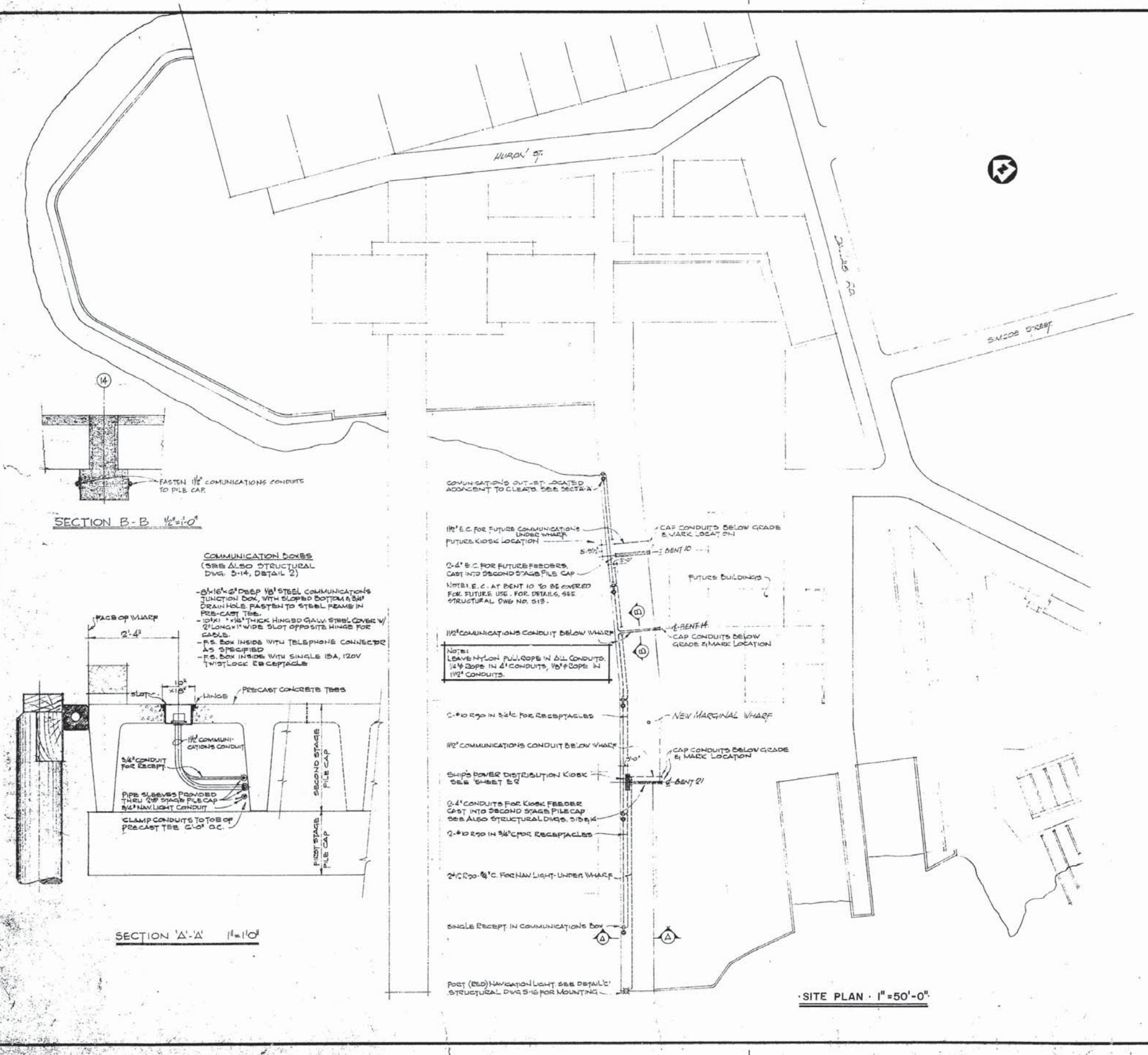
MISCELLANEOUS
DETAILS

Designed by
Date
Drawn by H.D.T. & A.C.
Checked by
Date
Approved by
Date
Tender
D.P.M. Project Manager
Project number

89182

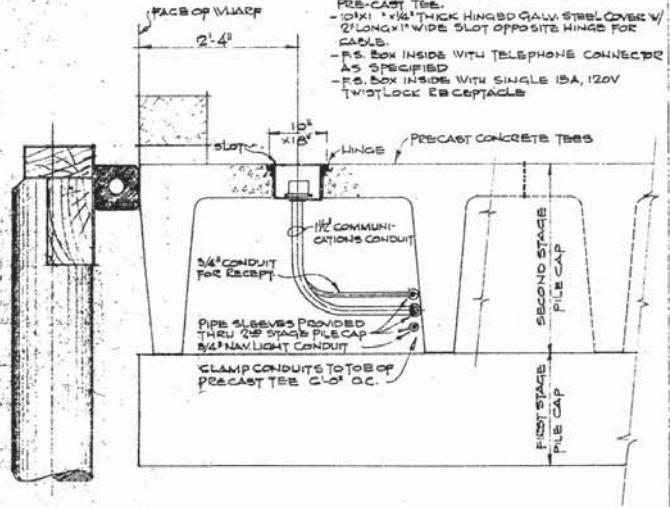
S 17

VB-1-18

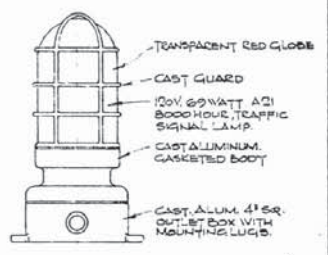


SECTION B-B 1/2"=1'-0"

COMMUNICATION BOXES (SEE ALSO STRUCTURAL DWG. 5-14, DETAIL 2)
- 6"x16"x2" DEEP 1/2" STEEL COMMUNICATIONS JUNCTION BOX, WITH SLOPED BOTTOM & 3/4" DRAIN HOLE. FASTEN TO STEEL FRAME IN PRE-CAST TEE.
- 10"x1" 1/4" THICK HINGED GALV. STEEL COVER W/ 2" LONG 1" WIDE SLOT OPPOSITE HINGE FOR CABLE.
- P.S. BOX INSIDE WITH TELEPHONE CONNECTOR AS SPECIFIED.
- P.S. BOX INSIDE WITH SINGLE 15A, 120V 1/2" LOCK RECEPTACLE.

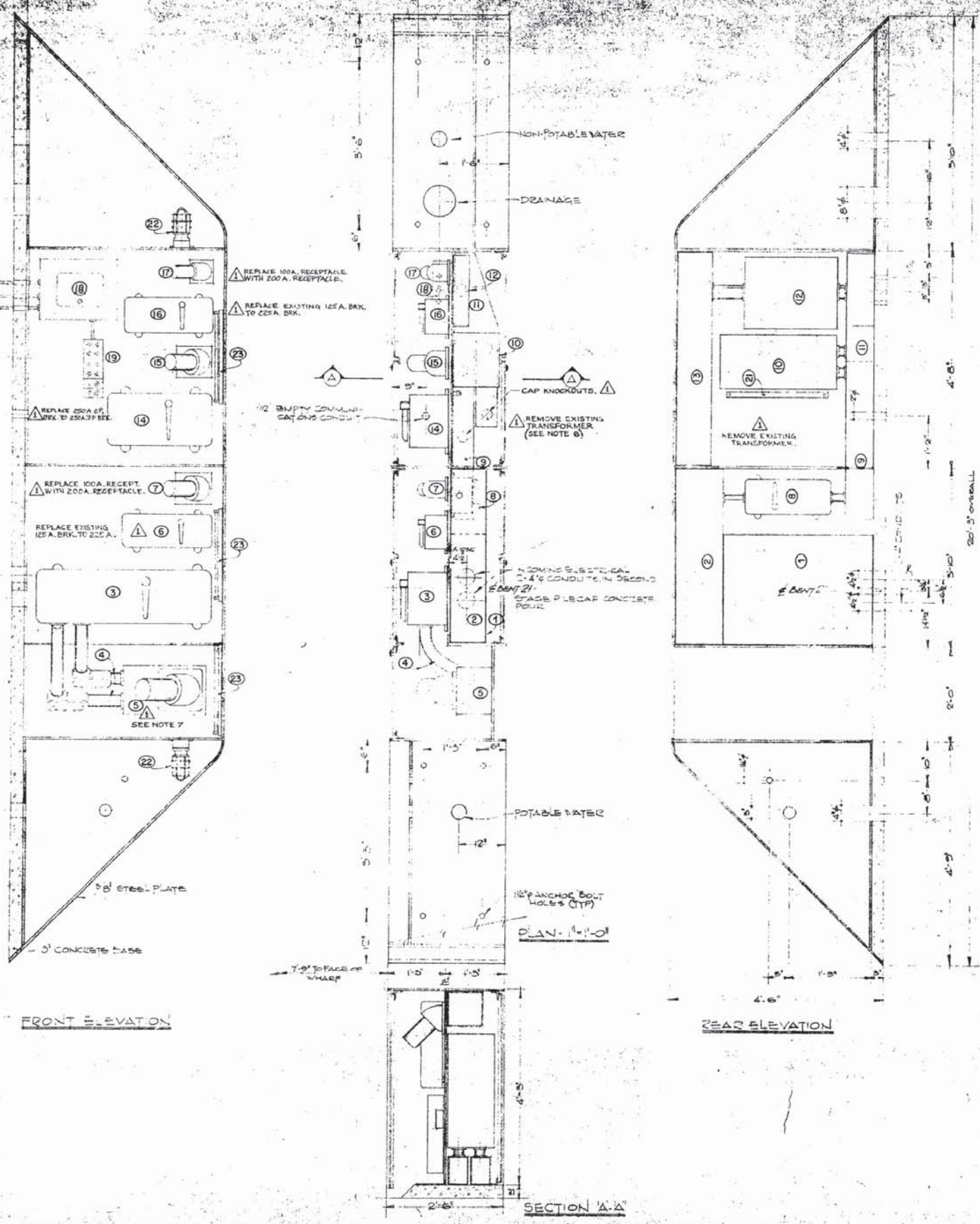


SECTION 'A'-A 1/2"=1'-0"



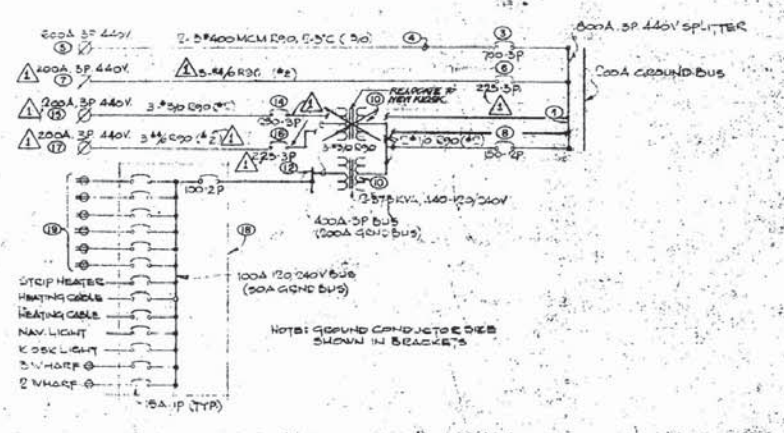
DETAIL - NAVIGATION LIGHT - N.T.S.

SITE PLAN - 1/4"=50'-0"



EQUIPMENT SCHEDULE			
ITEM	SIZE	VOLTAGE	DESCRIPTION
1	800A	440V 3P	INCOMING SPLITTER WITH 200AMP GROUND BUS
2		440V	WIRING
3	700A	440V 3P	CIRCUIT BREAKER/DISCONNECT IN CBMA 4'S ENCLOSURE
4	700A	440V	RECEPTACLE FEEDER 2-3/4\"/>
5	600A	440V	3POLE RECEPTACLE WITH GROUND
6	250A	440V 3P	CIRCUIT BREAKER/DISCONNECT IN CBMA 4'S ENCLOSURE
7	200A	440V	3POLE RECEPTACLE WITH GROUND
8	50A	440V 1P	CIRCUIT BREAKER/DISCONNECT IN CBMA 4'S ENCLOSURE
9		440V	WIRING
10	275KVA	440/20 040V	TYPE 'M' ENCLOSED NEMA III CLASS 'F' TRANSFORMER
11		440V	WIRING
12	400A	100 040V	SPLITTER WITH 200AMP GROUND BUS
13		100 040V	WIRING
14	250A	440V 3P	CIRCUIT BREAKER/DISCONNECT IN CBMA 4'S ENCLOSURE
15	200A	440V	3POLE RECEPTACLE WITH GROUND
16	225A	440V 3P	CIRCUIT BREAKER/DISCONNECT IN CBMA 4'S ENCLOSURE
17	200A	440V	3POLE RECEPTACLE WITH GROUND
18	100A	120/120	1-POLE MAIN WITH 100AMP (1000A) MAIN BREAKER
19	15A	120V	2-DUPLEX RECEPTACLES
20	100	120V	20' LONG HEATING CABLE ELEMENT WITH REVERSE GROUND
21	100	100V	25' LONG STOP HEATER
22	100W	100V	NON-DECKOUT LIGHT
23	100V	100V	54' LONG FLUORESCENT STR LIGHT

- NOTES:
- ITEM 10 - WATER HEATER TO BE DISCONNECT HEATER EACH INTO POTABLE & NON-POTABLE WATER LINES PER KITCHEN DETAILS ON MECHANICAL DRAWING. FOR LOCATIONS PROVIDE THERMOSTAT TO MAINTAIN HEATER AT 50°C.
 - ITEM 2 - STOP HEATER TO BE MOUNTED ON INSULATED STANDOFFS BETWEEN TRANSFORMERS AND PROVIDE THERMOSTAT TO MAINTAIN HEATER AT 10°C.
 - ITEM 12 - MAINS WIRE LIGHT TO BE MOUNTED TO NAVIGATION LIGHT (SEE DETAIL TWO E) BUT WITH CLEAR GLASS AND THERMAL SWITCH.
 - ITEM 23 - FLUORESCENT LIGHTS TO BE MOUNTED AS SHOWN & PROVIDE DOOR SWITCH FOR EACH LIGHT IN ITS RESPECTIVE CLOSET COMPARTMENT.
 - CONNECT ITEMS 20, 21 & 22 WITH MINERAL INSULATED CABLE (NOT SHOWN).
 - EXISTING TRANSFORMER TO BE RELOCATED TO NEW KIOSK, SEE DRAWING E2 (ITEM 10).
 - PROVIDE TWO 600 AMP PLUGS FOR ITEM 7.
 - PROVIDE THREE MALE 200A PLUGS FOR ITEMS 7, 15 & 17.



SINGLE LINE DIAGRAM - N.T.S.

Public Works
Canada

PACIFIC REGION

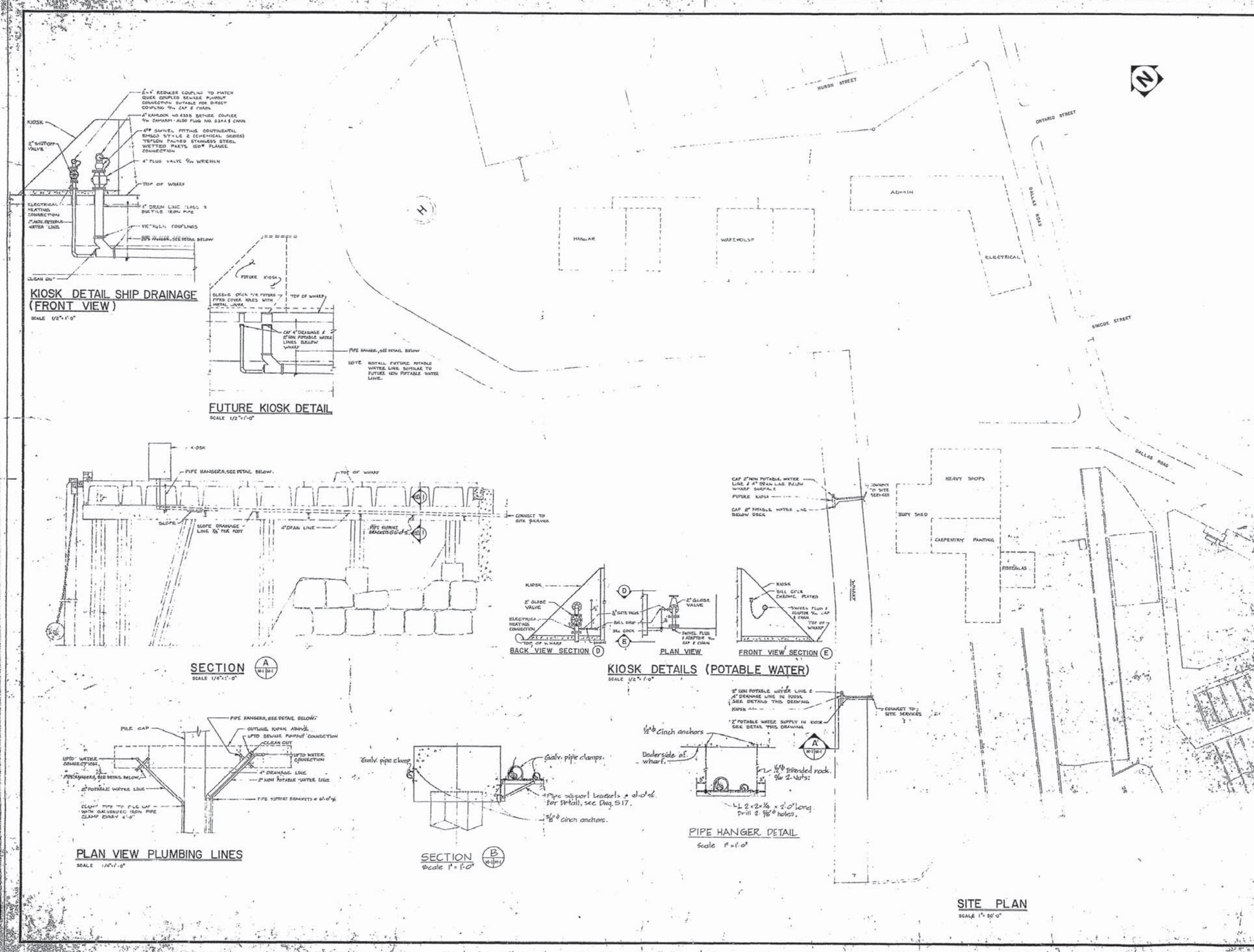
BUILT 1958

CANADIAN COAST GUARD
DISTRICT BASE
VICTORIA, B.C.
PHASE IV - WHARF

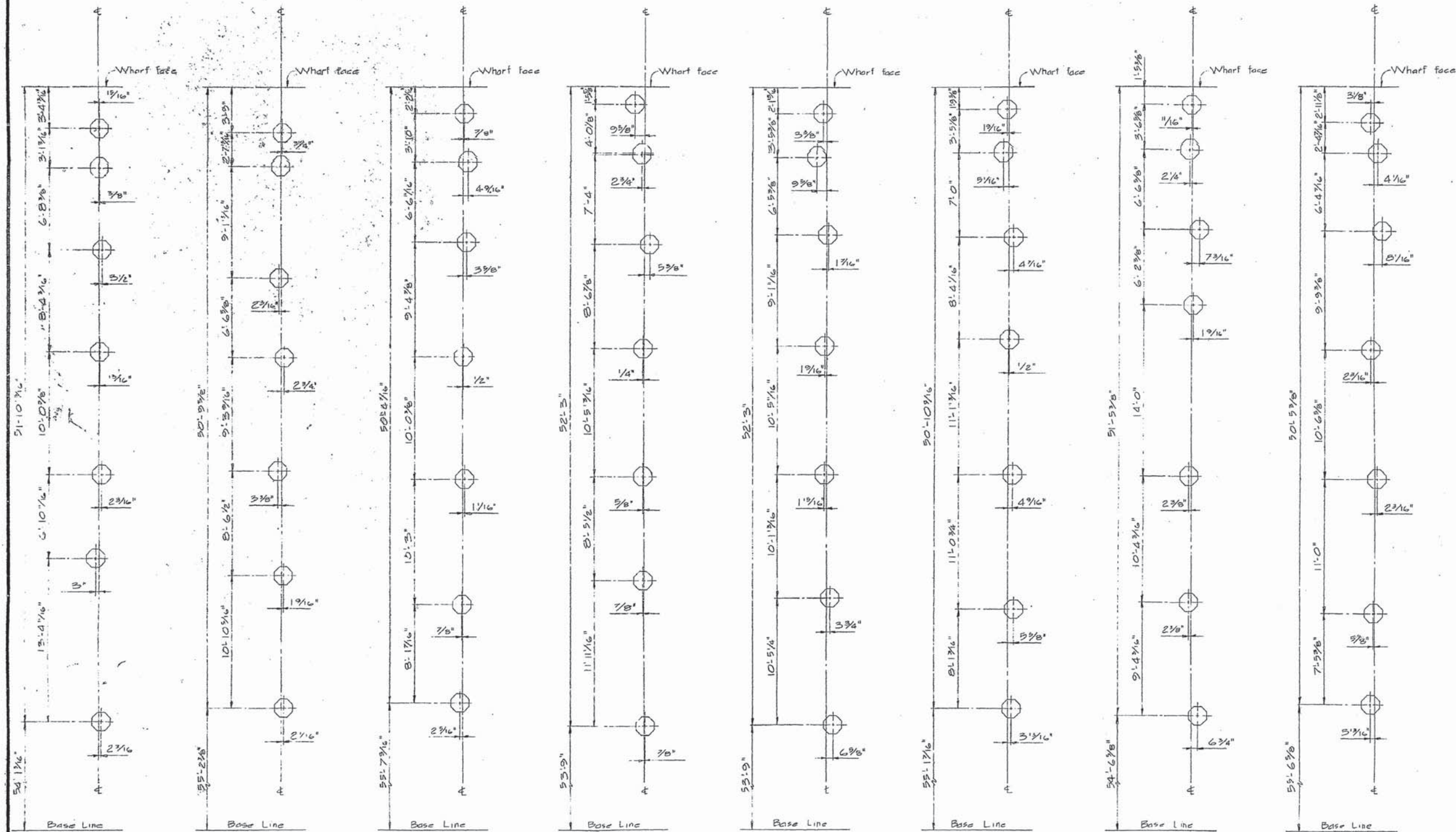
ELECTRICAL
KIOSK DETAIL

89182

624



SITE PLAN
SCALE 1" = 50'-0"



PACIFIC REGION

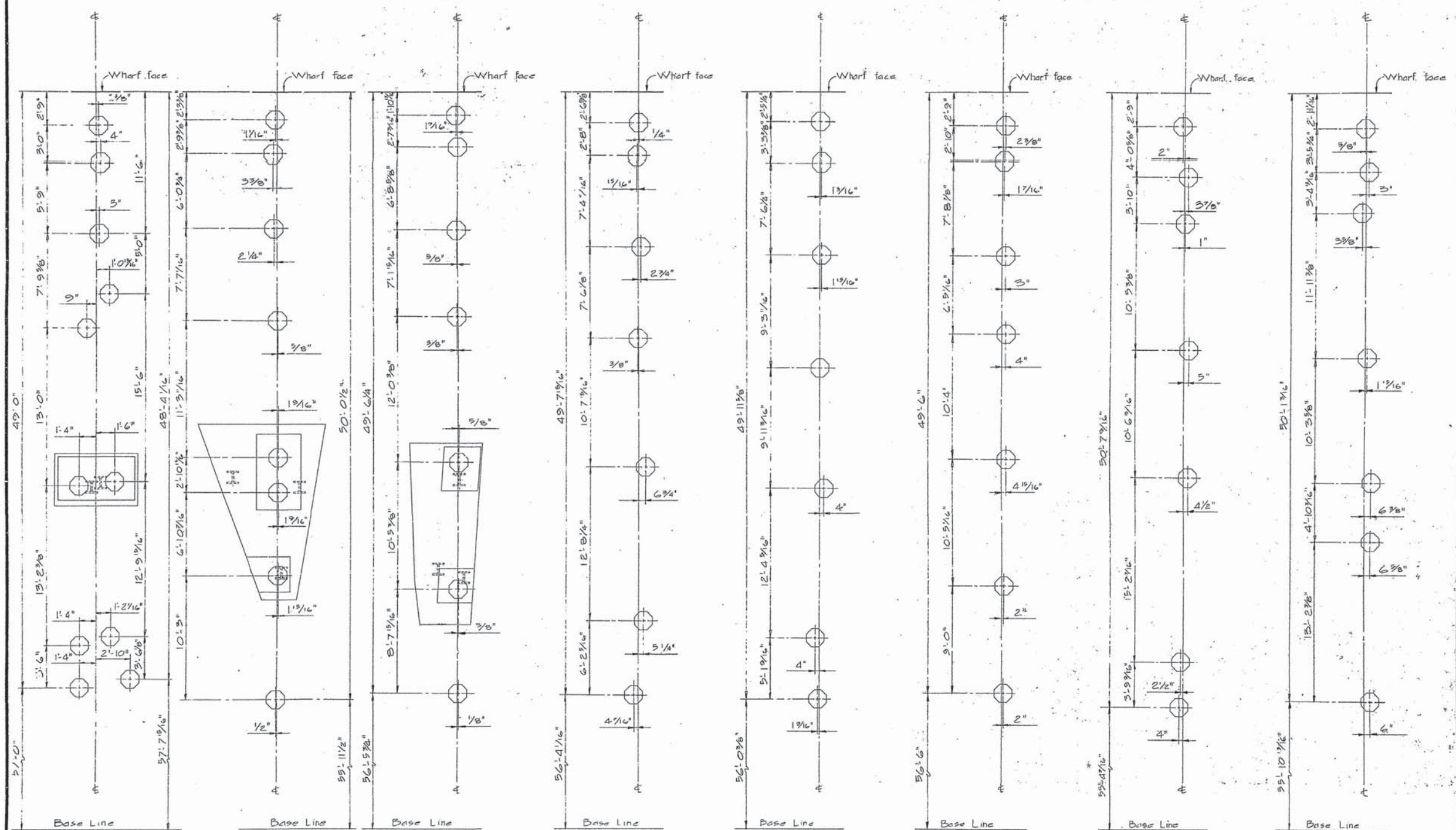
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B location drawing no.	sur dessin no.
C drawing no.	dessin no.
revisions	date

project title / titre du projet
**CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV-WHARF**

drawing title / titre du dessin
**AS BUILT
 PILES AND FOOTINGS
 BENTS 1 TO 8
 PLAN**

designed by / conçu par	
date	
drawn by / dessiné par	
date	
reviewed by / examiné par	
date	
approved by / approuvé par	
date	
Tender / soumission	
D.P.W. Project Manager / Administrateur de projet M.T.P.	
project number / no. du projet	

89182
 drawing no. / dessin no.
 1 of 4



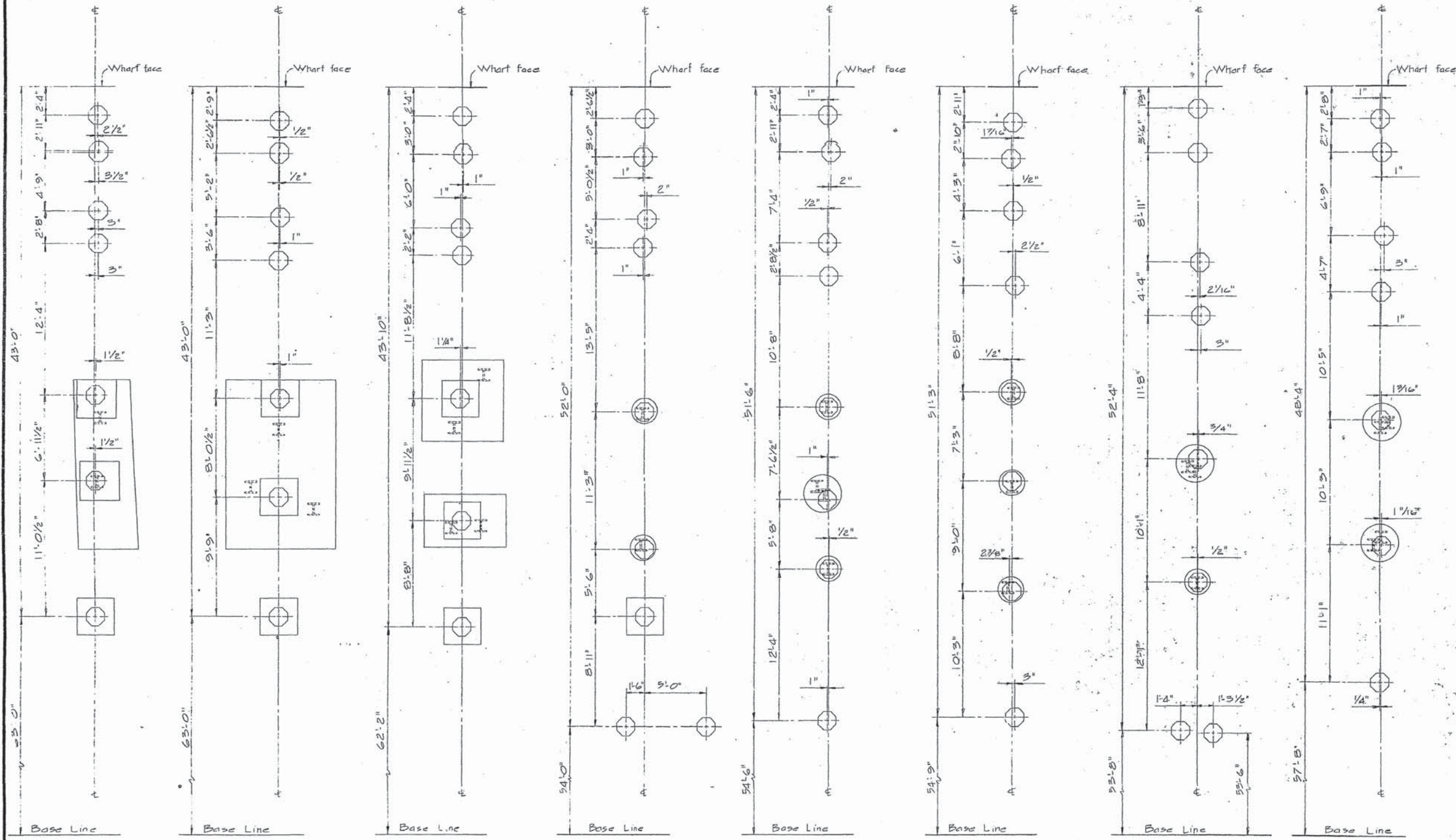
PACIFIC REGION

A detail no.	détail no.
location drawing no.	sur dessin no.
C drawing no.	dessin no.
revisions	date

project title / titre du projet
CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV-WHARF

drawing title / titre du dessin
AS BUILT PILES AND FOOTINGS BENTS 9 TO 16 PLAN
 FEB 1978

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drawing no. / dessin no.	2 of 4



PACIFIC REGION

A detail no.	détail no.
B location drawing no.	sur dessin no.
C drawing no.	dessin no.
revisions	date

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CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV-WHARF

drawing title / titre du dessin
AS BUILT PILES AND FOOTINGS BENTS 17 TO 24 PLAN

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VB-1-24

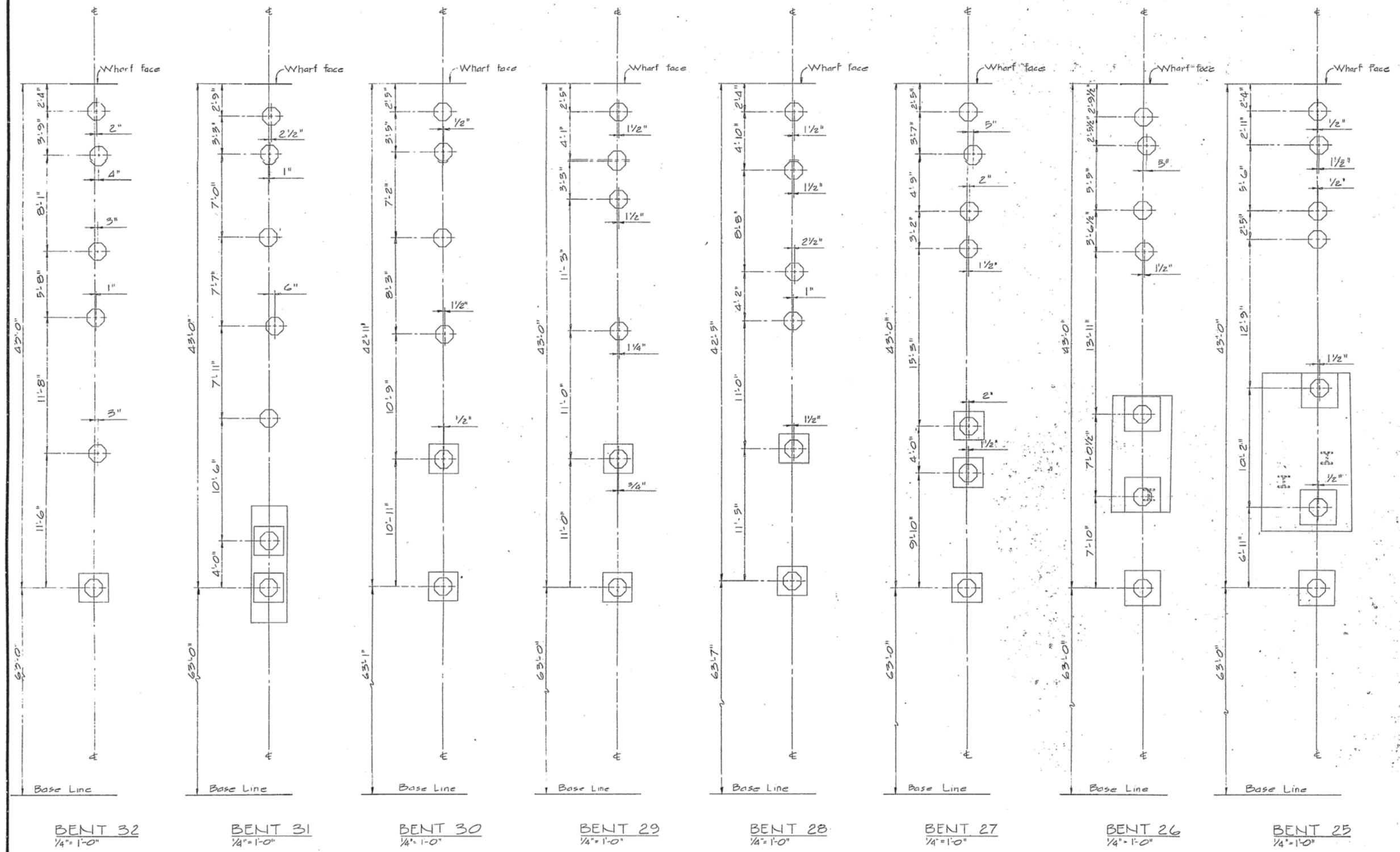
PACIFIC REGION

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B location drawing no.	sur dessin no.
C drawing no.	dessin no.
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project title / titre du projet
**CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV-WHARF**

drawing title / titre du dessin
**AS BUILT
 PILES AND FOOTINGS
 BENTS 25 TO 32
 PLAN**
 FEB, 1978

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project number / no. du projet	89182
drawing no. / dessin no.	4 of 4



BENT 32
1/4" = 1'-0"

BENT 31
1/4" = 1'-0"

BENT 30
1/4" = 1'-0"

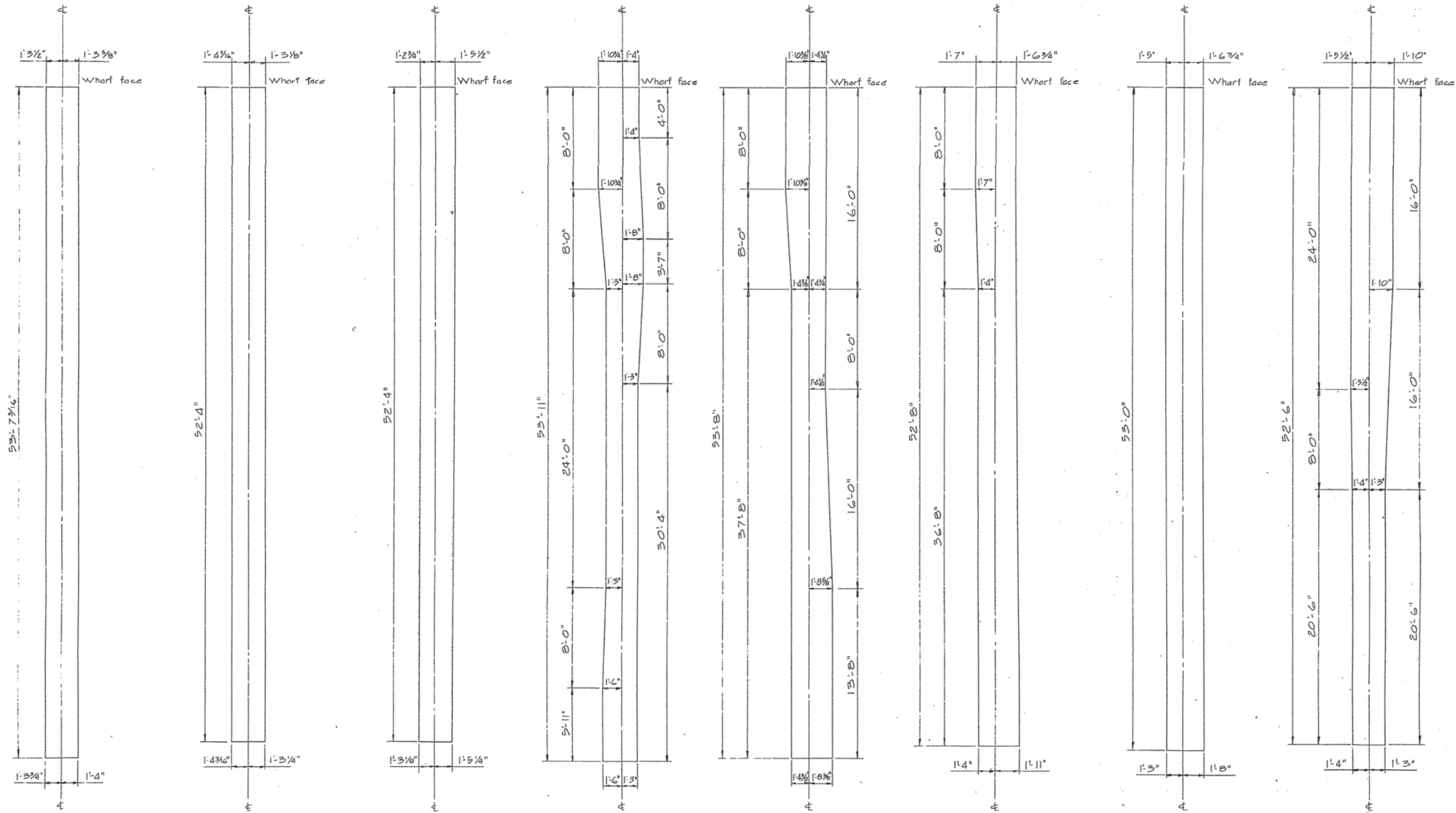
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1/4" = 1'-0"

BENT 28
1/4" = 1'-0"

BENT 27
1/4" = 1'-0"

BENT 26
1/4" = 1'-0"

BENT 25
1/4" = 1'-0"



BENT 8
1/4" = 1'-0"

BENT 7
1/4" = 1'-0"

BENT 6
1/4" = 1'-0"

BENT 5
1/4" = 1'-0"

BENT 4
1/4" = 1'-0"

BENT 3
1/4" = 1'-0"

BENT 2
1/4" = 1'-0"

BENT 1
1/4" = 1'-0"

Public Works Canada / Travaux publics Canada

PACIFIC REGION

A detail no.	détail no.
B location drawing no.	sur dessin no.
C drawing no.	dessin no.
revisions	date

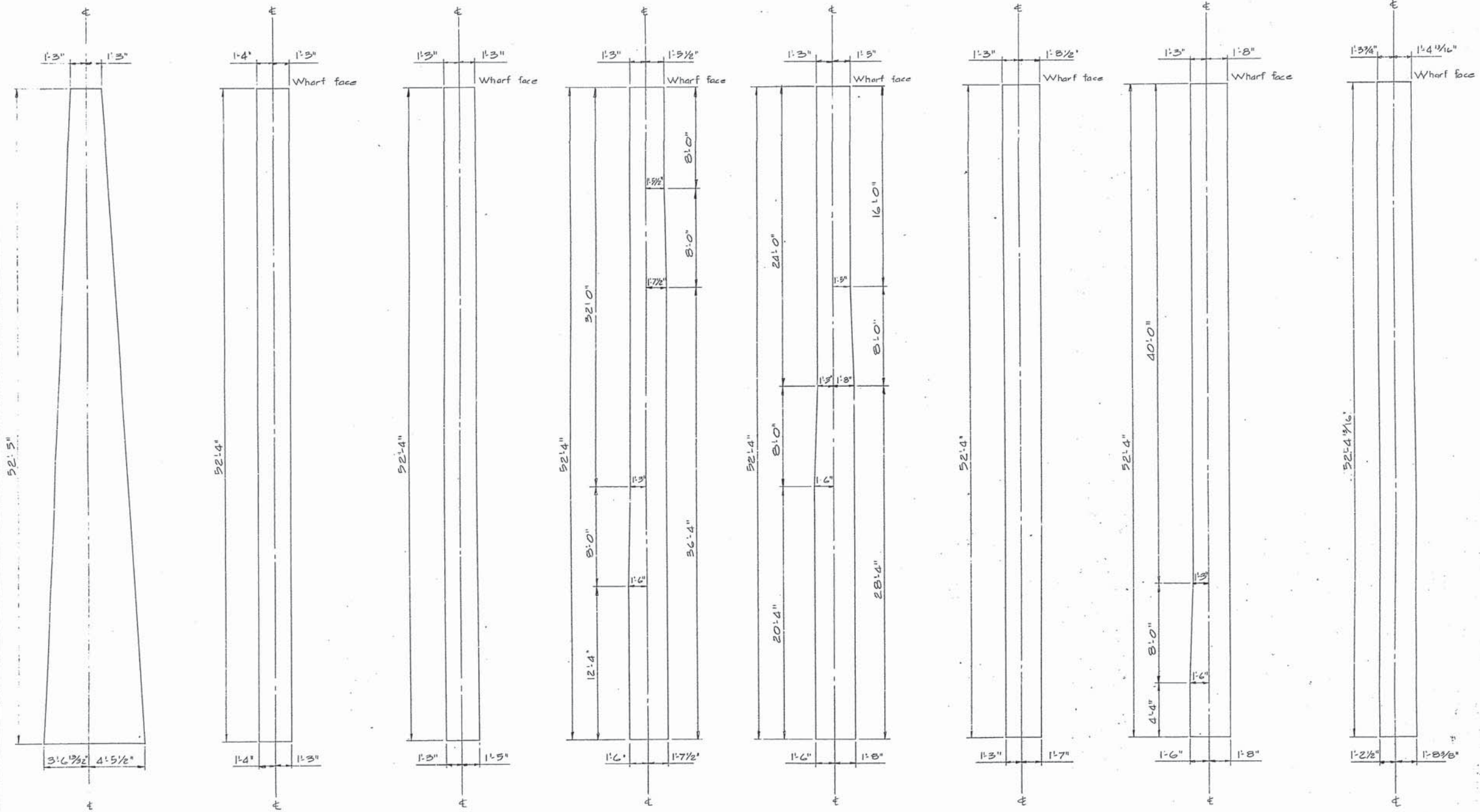
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**CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV-WHARF**

drawing title / titre du dessin
**AS BUILT
 1st STAGE PILE CAP
 BENTS 1 TO 8
 PLAN**
 FEB 1978

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approved by / approuvé par	

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89182

drawing no. / dessin no.
 1 of 4



BENT 16
1/4" = 1'-0"

BENT 15
1/4" = 1'-0"

BENT 14
1/4" = 1'-0"

BENT 13
1/4" = 1'-0"

BENT 12
1/4" = 1'-0"

BENT 11
1/4" = 1'-0"

BENT 10
1/4" = 1'-0"

BENT 9
1/4" = 1'-0"

PACIFIC REGION

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B location drawing no.	sur dessin no.
C drawing no.	dessin no.
revisions	date

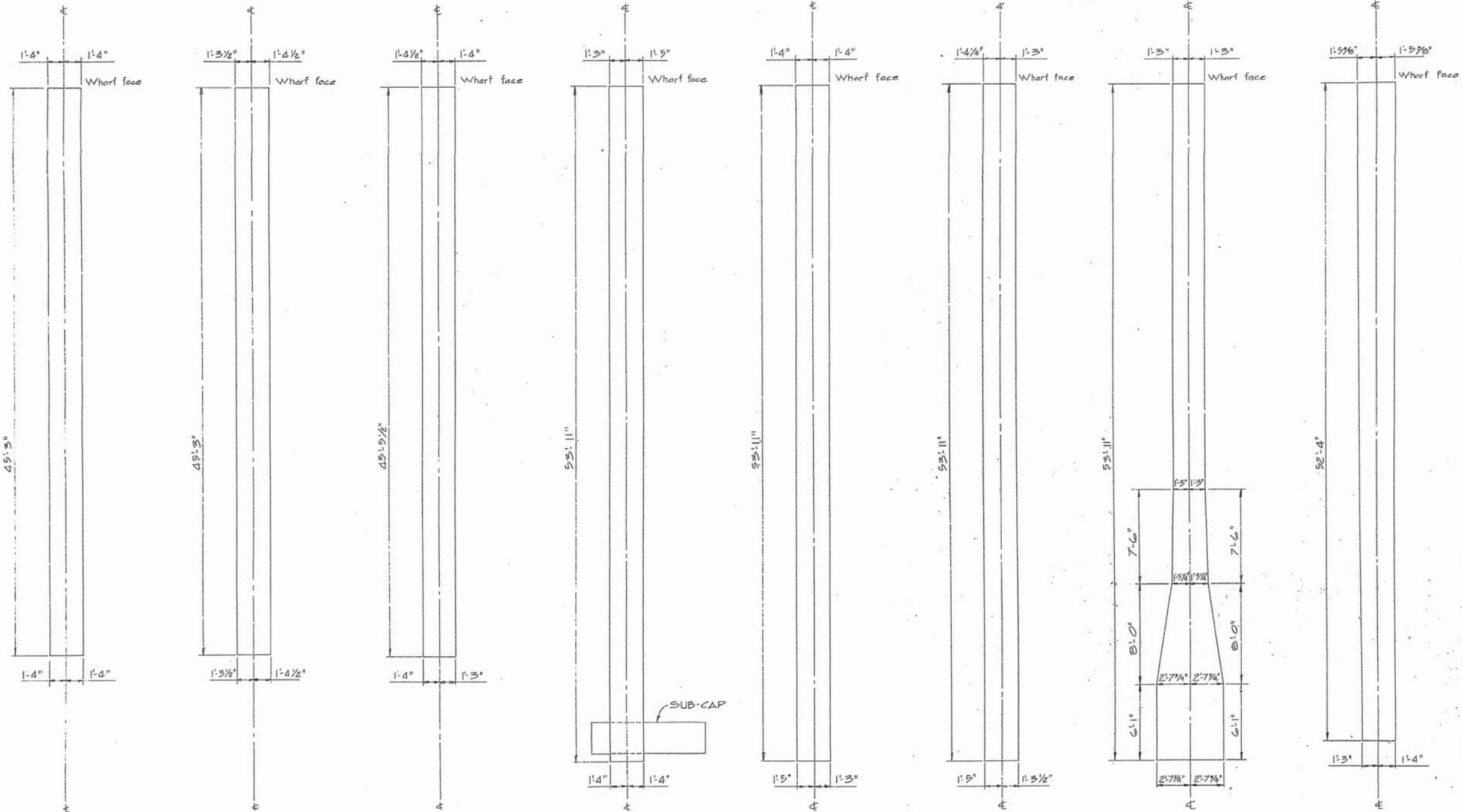
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CANADIAN COAST GUARD DISTRICT BASE VICTORIA, B.C. PHASE IV-WHARF

drawing title / titre du dessin
AS BUILT. 1st STAGE PILE CAP BENTS 9 TO 16 PLAN
 FEB 1978

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89182

VB-1-27



BENT 24
1/4" = 1'-0"

BENT 23
1/4" = 1'-0"

BENT 22
1/4" = 1'-0"

BENT 21
1/4" = 1'-0"

BENT 20
1/4" = 1'-0"

BENT 19
1/4" = 1'-0"

BENT 18
1/4" = 1'-0"

BENT 17
1/4" = 1'-0"

Public Works Canada / Travaux publics Canada

PACIFIC REGION

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B location drawing no.	sur dessin no.
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AS BUILT 1st STAGE PILE CAP BENTS 17 TO 24 PLAN FEB 1978

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3 of 4

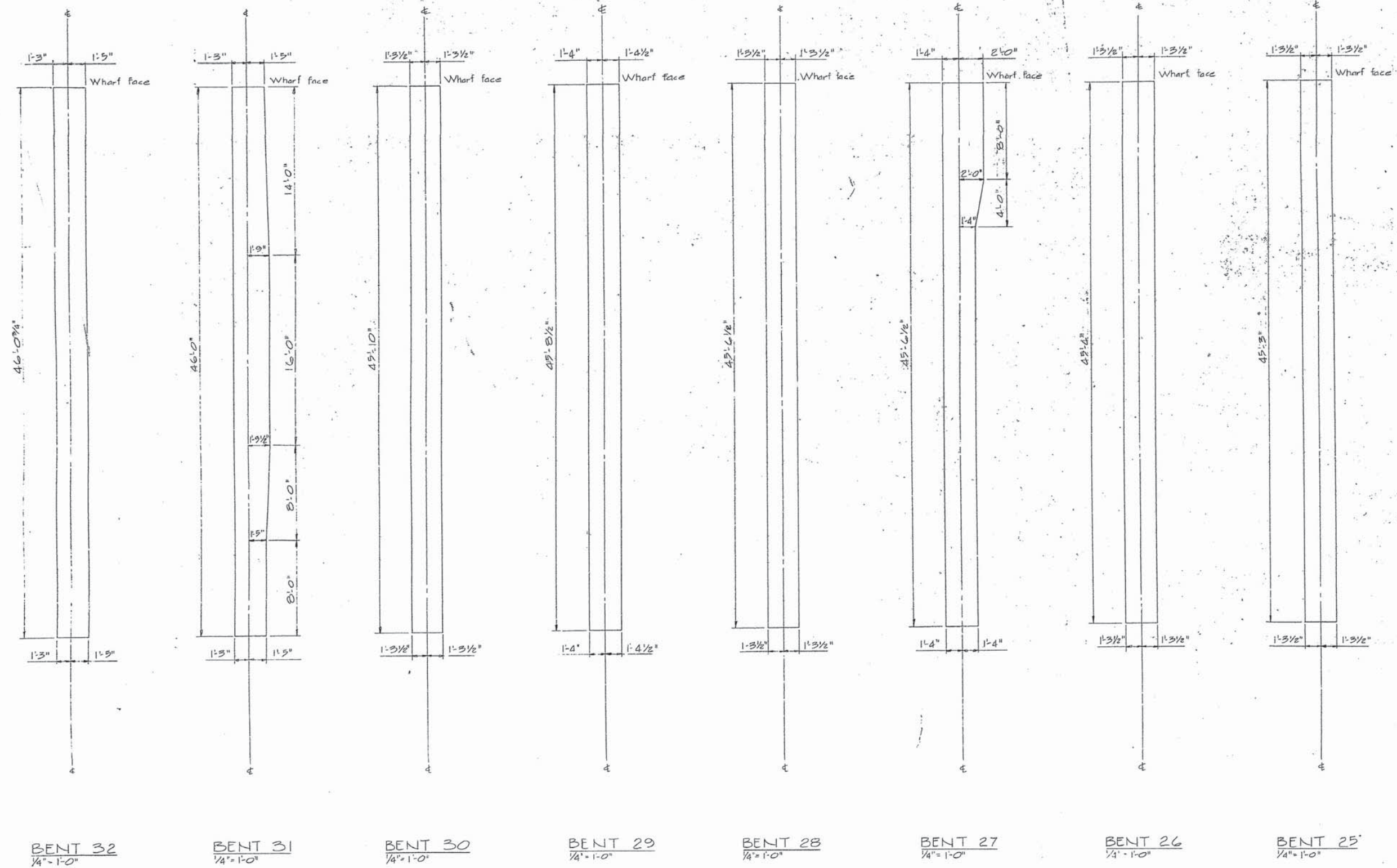
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B location drawing no.	sur dessin no.
C drawing no.	dessin no.
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project title / titre du projet
**CANADIAN COAST GUARD
 DISTRICT BASE
 VICTORIA, B.C.
 PHASE IV-WHARF**

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**AS BUILT
 1st STAGE PILE CAP
 BENTS 25 TO 32
 PLAN FEB 1978**

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4 of 4



BENT 32
 1/4" = 1'-0"

BENT 31
 1/4" = 1'-0"

BENT 30
 1/4" = 1'-0"

BENT 29
 1/4" = 1'-0"

BENT 28
 1/4" = 1'-0"

BENT 27
 1/4" = 1'-0"

BENT 26
 1/4" = 1'-0"

BENT 25
 1/4" = 1'-0"

