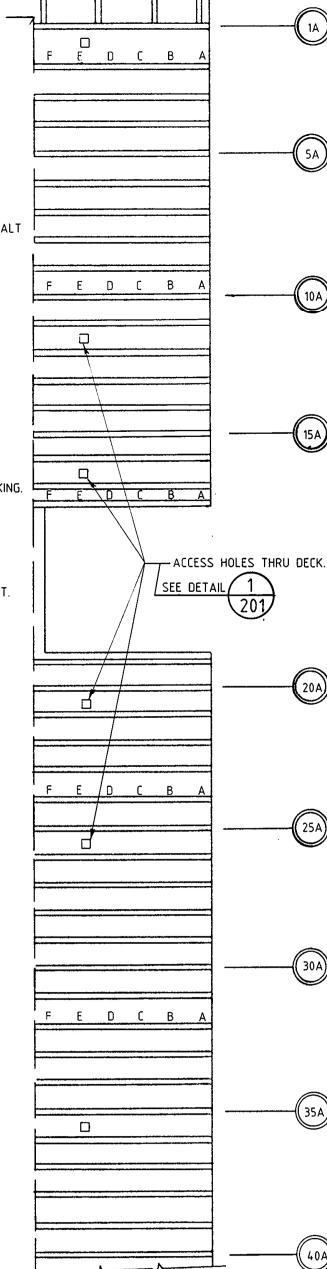
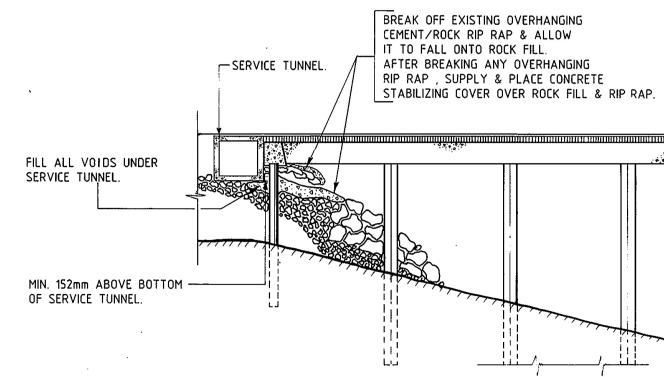


KEY PLAN N.T.S.



C  
201

TYPICAL SECTION  
N.T.S



TYPICAL SECTION  
N.T.S

AS BUILT 86-09-11

NO.	DATE	DESCRIPTION	DRAWN BY DESSINÉ PAR	APP'D BY APPR. PAR
REVISION — RÉVISION				

DEPARTMENT OF NATIONAL DEFENCE  
MINISTÈRE DE LA DÉFENSE NATIONALE  
CFB ESQUIMALT

PROJECT &amp; LOCATION — PROJET ET EMPLACEMENT

REPAIRS TO JETTY 'D'. & JETTY - 11.  
COLWOOD B.C.

TRADE — MÉTIER	STRUCTURAL
----------------	------------

SUBJECT — SUJET  
JETTY 'D.'  
PILE CAP PLAN, SECTIONS AND DETAILS.

PRODUCTION	CONCURRENCE — APPROBATION		
DESIGNED BY ETUDE PAR JBS.	E.H.A.	CIVIL E.	B.F.C.
DRAWN BY DESSIN PAR KRW.			B.O.E.
CHECKED BY VERIFIE PAR			M.S. ENG. O.
DATE 85. 03. 29	APPROVED BY — APPROUVE PAR		
SCALE — ECHELLE AS NOTED	DWG. NO. — DESSIN NO. L-C260/5-9502/3-201.		

REMOVE EXISTING & INSTALL NEW  
CHAIN LADDER

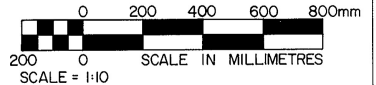
N.E. DOLPHIN.

REMOVE EXISTING & INSTALL NEW  
CHAIN LADDER.

FENDER PILES. SEE DWG. 203.

REMOVE EXISTING & INSTALL NEW  
CHAIN LADDER.

LEGEND	
	REMOVE EXISTING & INSTALL NEW CHAIN LADDER. SEE DWG. 203.
	TIMBER PILE TO BE REMOVED AND TURNED OVER TO DND.
	TIMBER PILE
	TIMBER PILE TO BE REMOVED. SEE DWG. 203.
	HEXAGONAL REINFORCED CONCRETE PILE
	HEXAGONAL PILE WITH NEW COLLAR.
	BENT NO.
	ROW NO.



REMOVE EXISTING & INSTALL NEW  
CHAIN LADDER. PF NO. 76-31716.

NO.	DATE	DESCRIPTION	DRAWN BY DESSINE PAR	APP'D BY APPR. PAR
REVISION — RÉVISION				

DEPARTMENT OF NATIONAL DEFENCE  
MINISTÈRE DE LA DÉFENSE NATIONALE  
CFB ESQUIMALT.

PROJECT & LOCATION — PROJET ET EMPLACEMENT  
REPAIRS TO JETTY 'D' & JETTY 'H'.  
COLWOOD B.C.

TRADE — MÉTIER  
STRUCTURAL

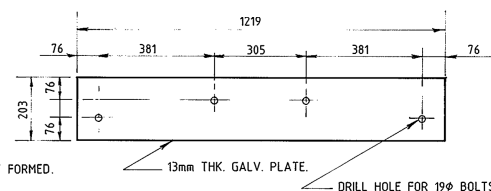
SUBJECT — SUJET  
JETTY 'D'.  
BEARING PILE PLAN, SECTION AND DETAILS.

PRODUCTION		CONCURRENCE — APPROBATION	
DESIGNED BY ETUDIE PAR	JBS.	CIVIL E.	B.F.C.
DRAWN BY DESSINE PAR	KRW.		B.D.E.
CHECKED BY VÉRIFIÉ PAR			ENG. G.
DATE	85.03.29.	APPROVED BY — APPROUVÉ PAR	
SCALE — ÉCHELLE	AS NOTED	DWG. NO. — DESSIN NO.	L-260/5-9502/3-202.

AS BUILT 86-09-11

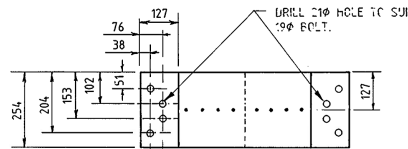
### BEARING PILE PLAN.

SCALE 1 : 200



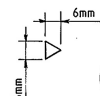
### 7 DETAIL - SPLICE PLATE.

SCALE 1 : 20



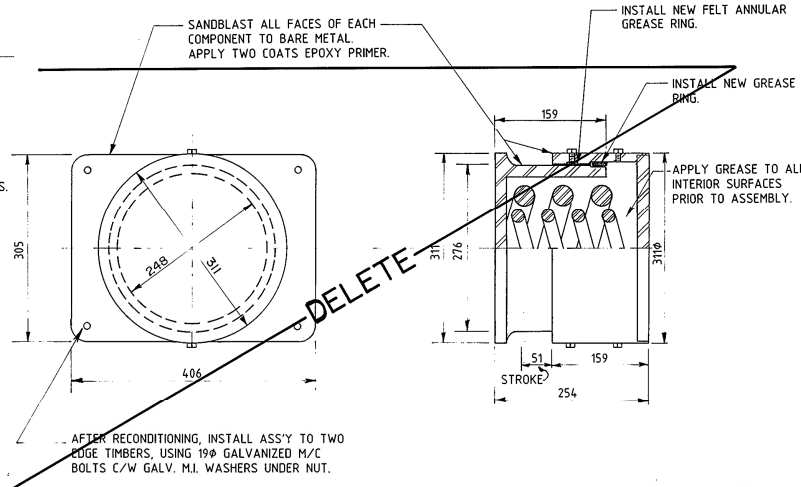
### 3 ELEVATION

SCALE 1:10



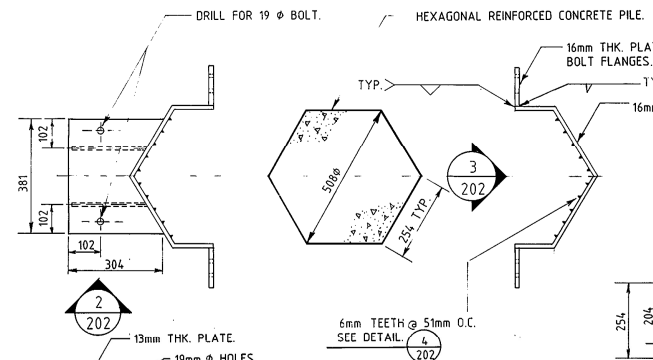
### 4 TOOTH DETAIL

SCALE 1:1



### 6 DETAIL - BUFFER SPRING ASSEMBLY.

SCALE 1 : 5



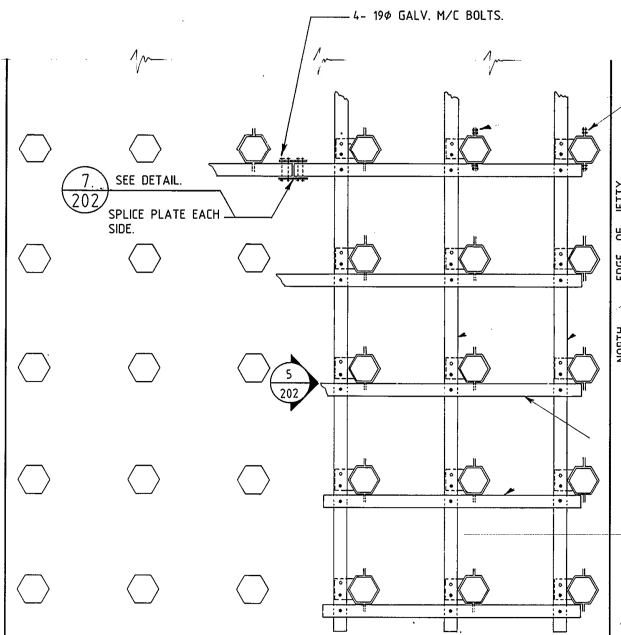
### 1 COLLAR DETAIL

SCALE 1:10

### 2 ELEVATION

SCALE 1:10

190 X 190 X 13mm GUSSETS.  
(2 REQ'D.)



### TYPICAL BRACE PLAN

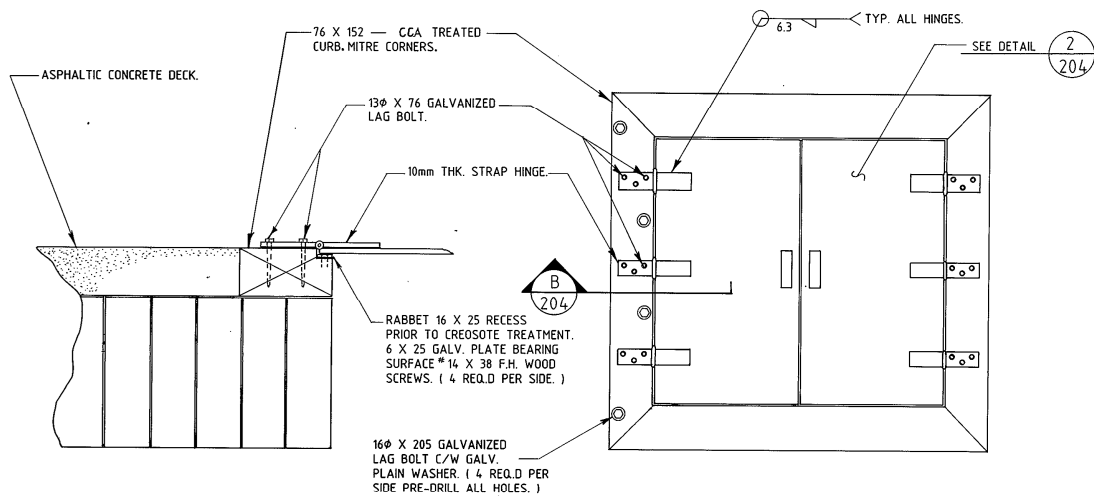
N.T.S.

### 5 ELEVATION

SCALE 1:10

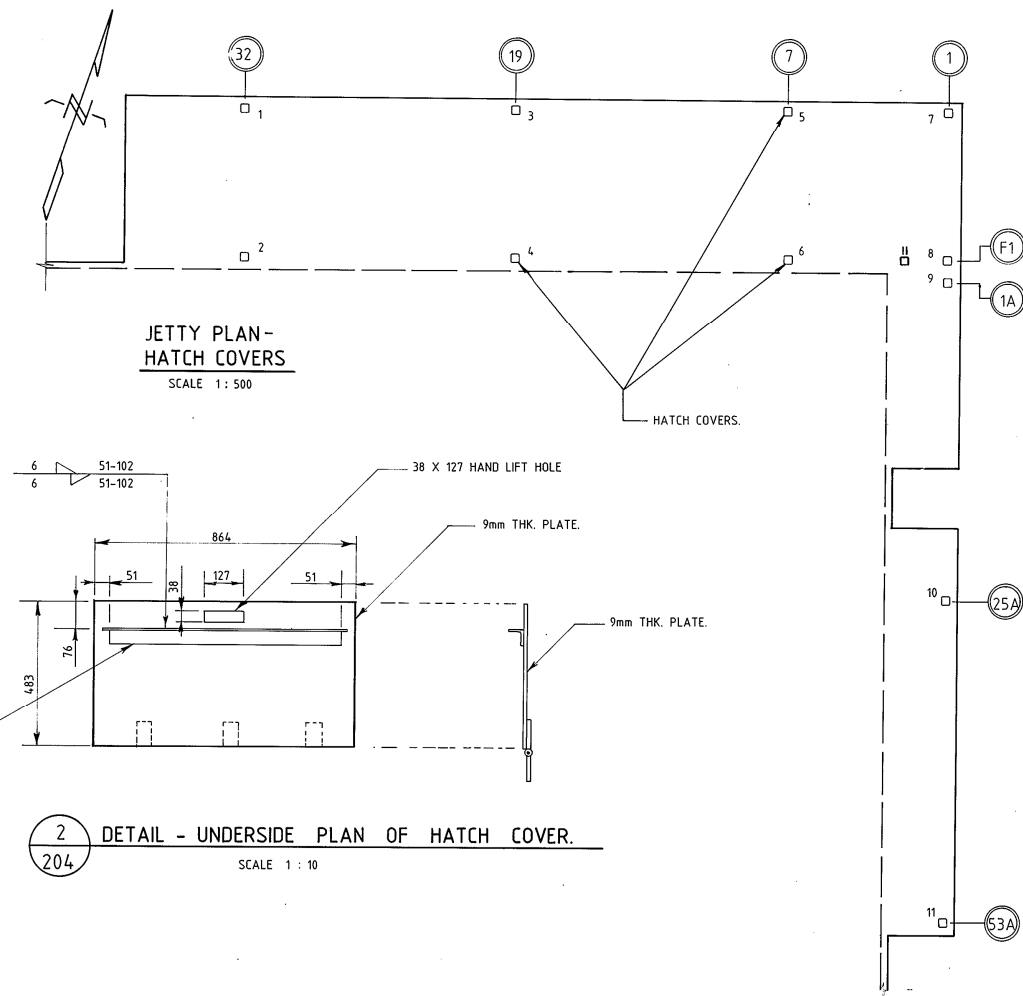
REMOVE EXISTING & INSTALL NEW  
CHAIN LADDER.



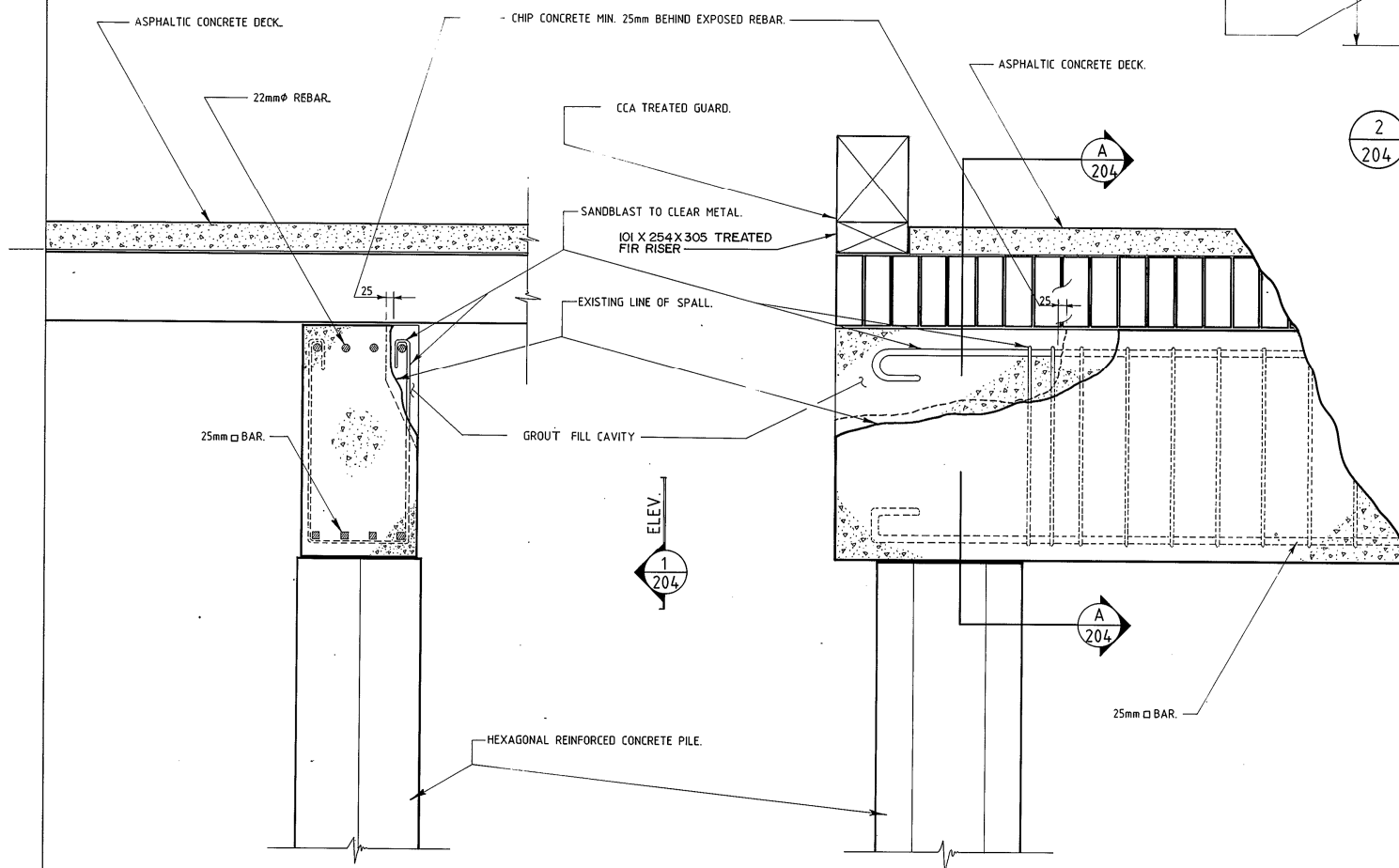


**B**  
204 SECTION  
SCALE 1:5

**PLAN OF HATCH COVER**  
SCALE 1:10

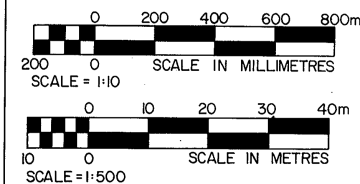


**2**  
204 DETAIL - UNDERSIDE PLAN OF HATCH COVER.  
SCALE 1:10



**A**  
204 SECTION.  
SCALE 1:10

**1**  
204 ELEVATION.  
SCALE 1:10



PF. NO. 76-31716.

NO.	DATE	DESCRIPTION	DRAWN BY DESIGNED PAR	APP'D BY APP'D PAR

DEPARTMENT OF NATIONAL DEFENCE  
MINISTÈRE DE LA DÉFENSE NATIONALE  
CFB ESQUIMALT.

PROJECT & LOCATION — PROJET ET EMPLACEMENT  
REPAIRS TO JETTY 'D' & JETTY - 11  
COLWOOD B.C.

TRADE — MÉTIER STRUCTURAL

SUBJECT — SUJET  
JETTY 'D',  
PLAN, SECTION & DETAILS.

PRODUCTION	CONCURRENCE — APPROBATION
DESIGNED BY ÉTUDE PAR JBS.	CIVIL ENG. B.F.C.
DRAWN BY DESSINÉ PAR KRW.	B.D.E.
CHECKED BY VÉRIFIÉ PAR	ENG. O.
DATE 85.03.29.	APPROVED BY — APPROUVÉ PAR DCOS-CE.
SCALE — ÉCHELLE AS NOTED	DWG. NO. — DESSIN NO. L-C260/5-9502/3-204

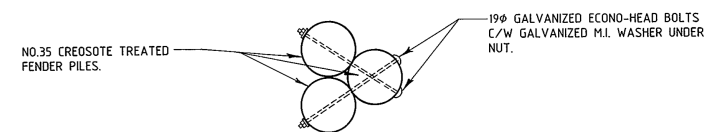
AS BUILT 86-09-11



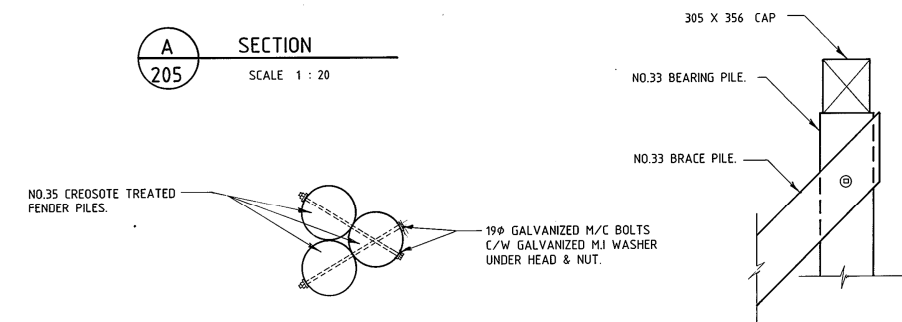
1  
206

DETAIL

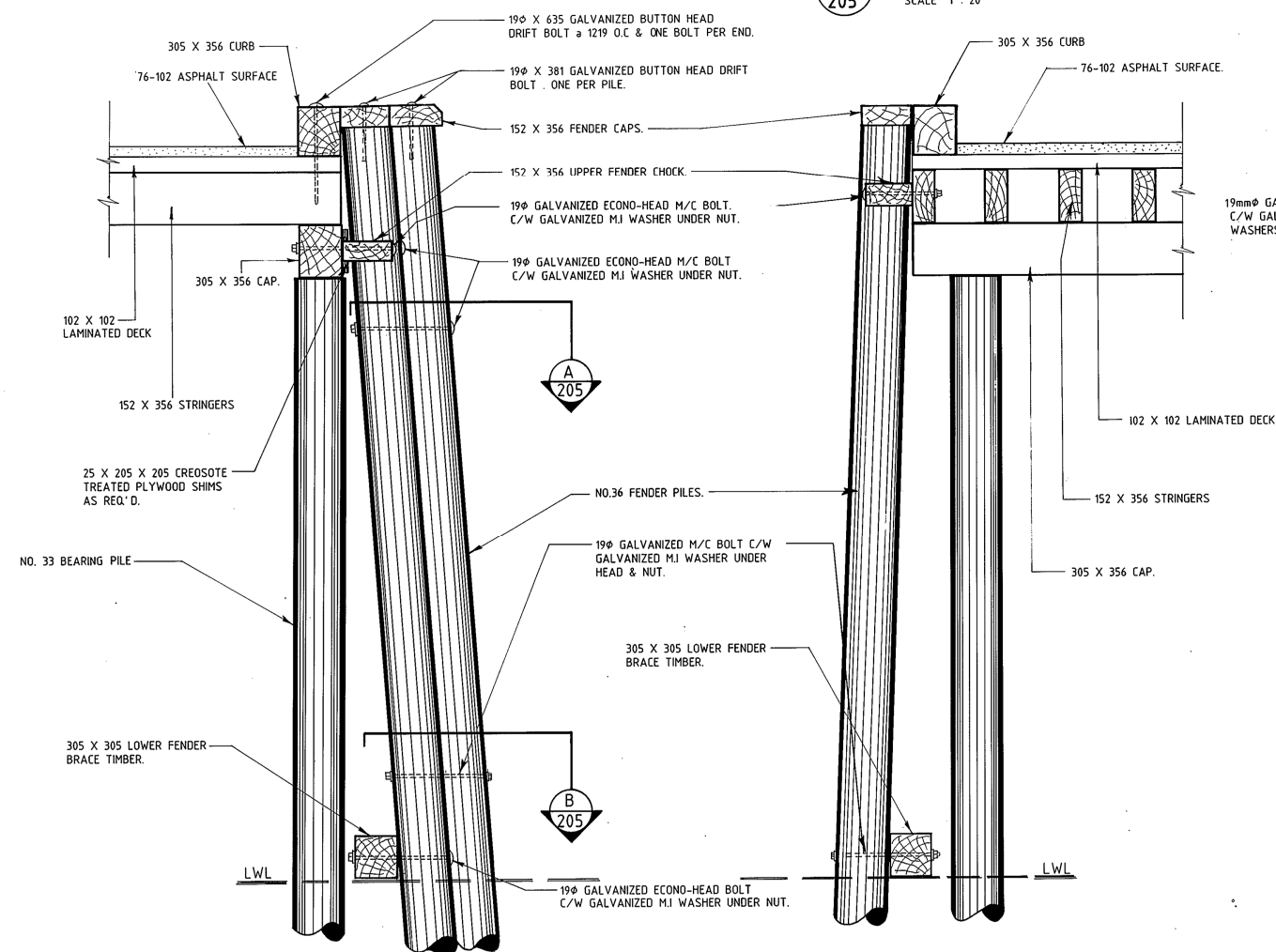
SCALE 1 : 10



**A** SECTION  
205 SCALE 1 : 20



B SECTION  
205 SCALE 1 : 20

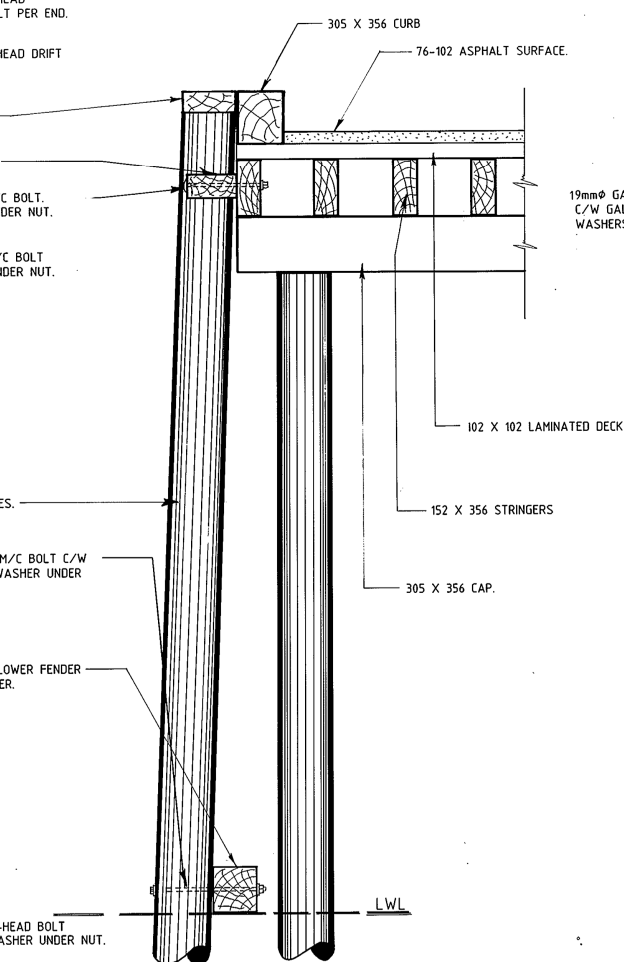


C SECTION  
205 SCALE 1:20

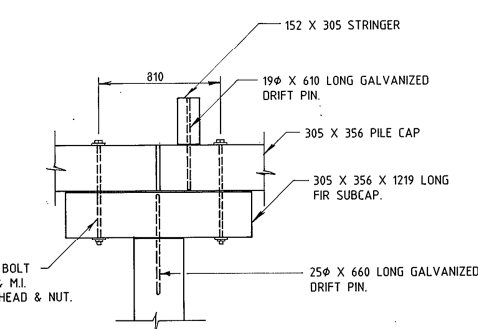
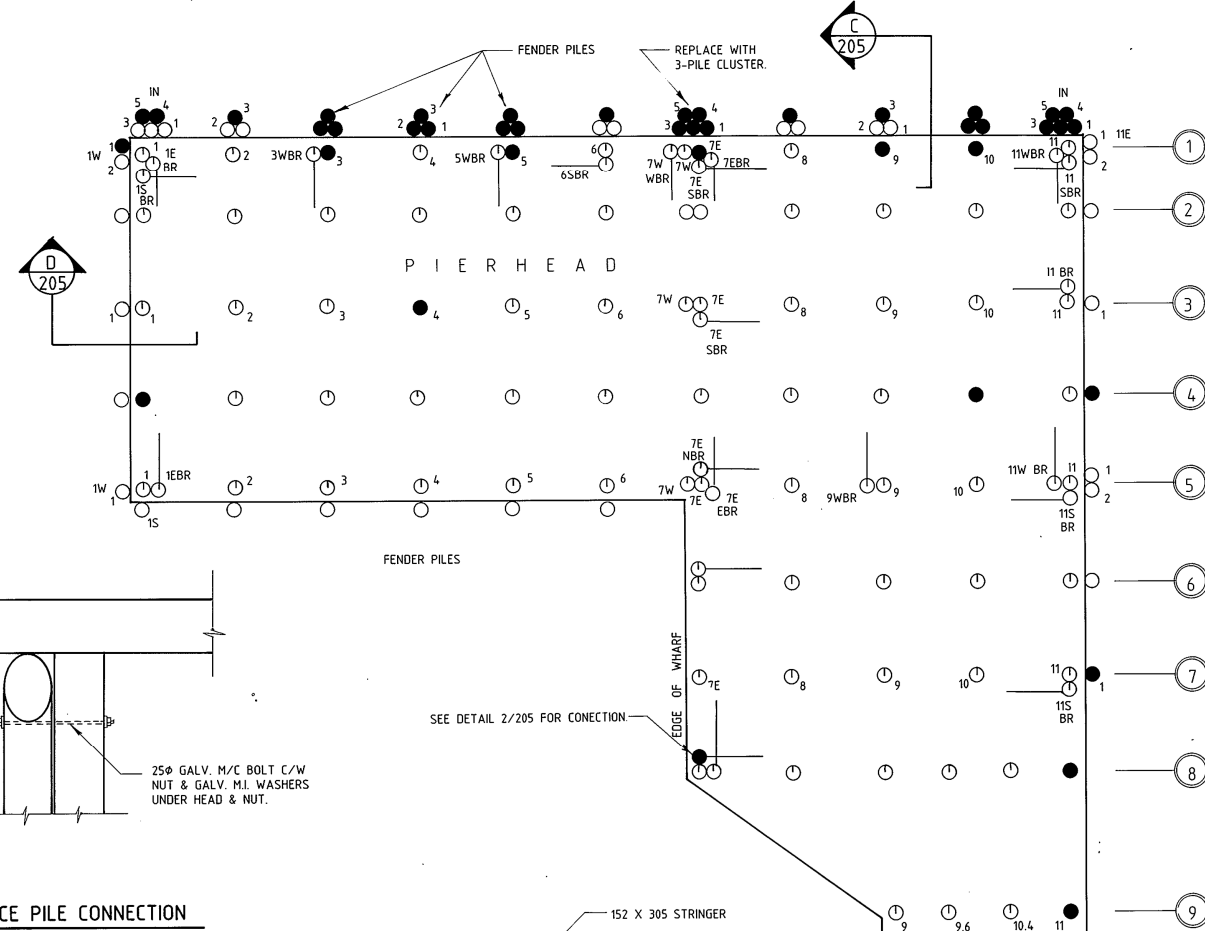
2  
205

DETAIL—BRACE PILE CONNECTION

SCALE 1 : 20



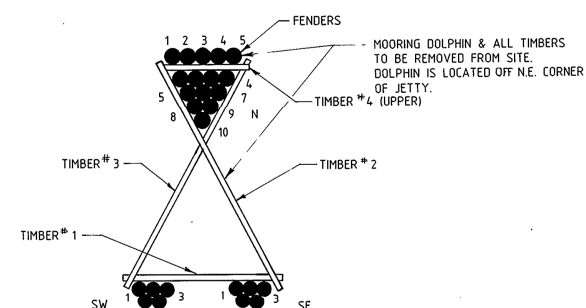
**D** **SECTION**  
205 SCALE 1 : 20



3  
206

DETAIL

SCALE 1 : 20

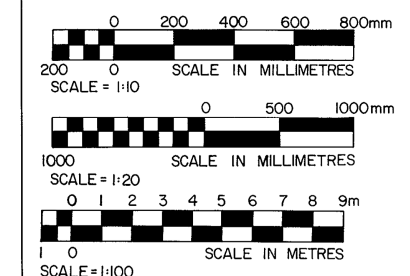


4 DETAIL - MOORING DOLPHIN  
205 N.T.S

PILE PLAN

SCALE 1 : 100

L E G E N D	
①	BENT NUMBER
2	ROW NUMBER
①	TIMBER PILE
●	TIMBER PILE TO BE REPLACED
●	BRACE PILE TO BE REPLACED



PF. NO. 76-31716

[illegible]

DEPARTMENT OF NATIONAL DEFENCE  
MINISTÈRE DE LA DÉFENSE NATIONALE  
CFB ESQUIMALT

PROJECT &amp; LOCATION — PROJET ET EMPLACEMENT

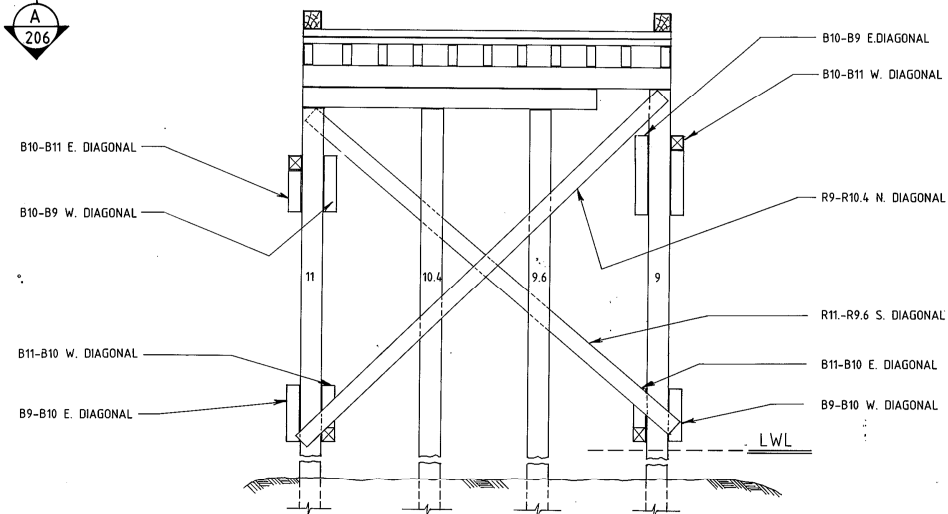
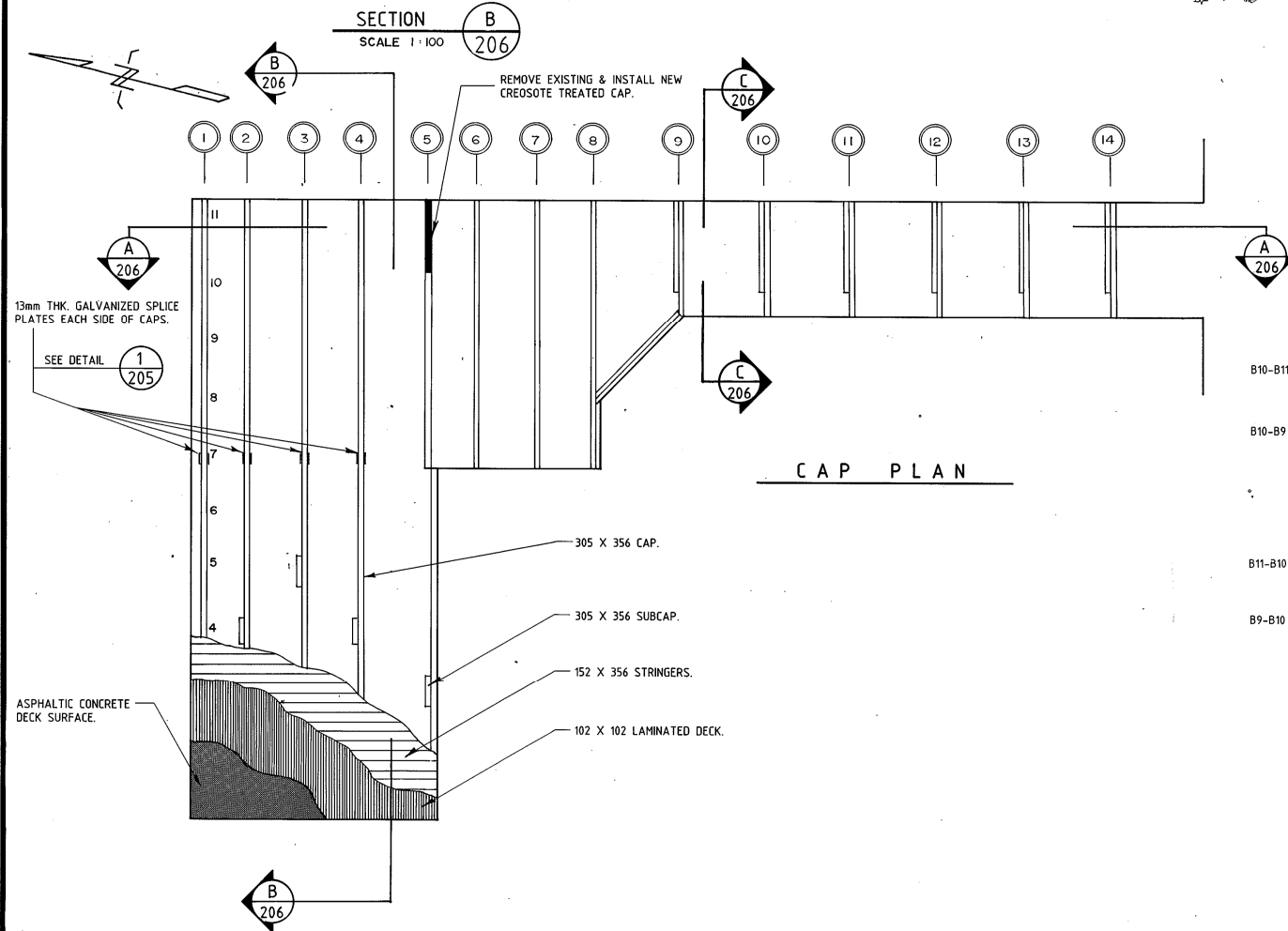
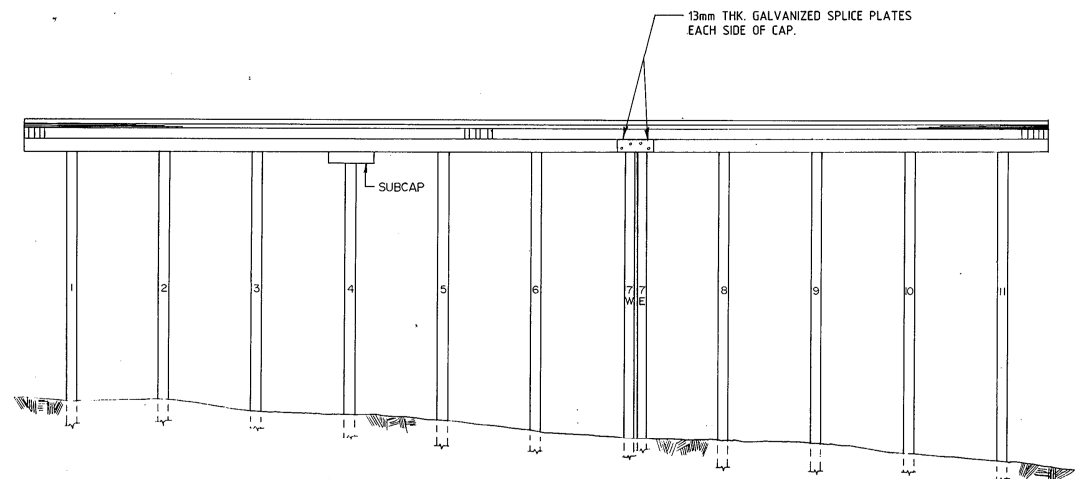
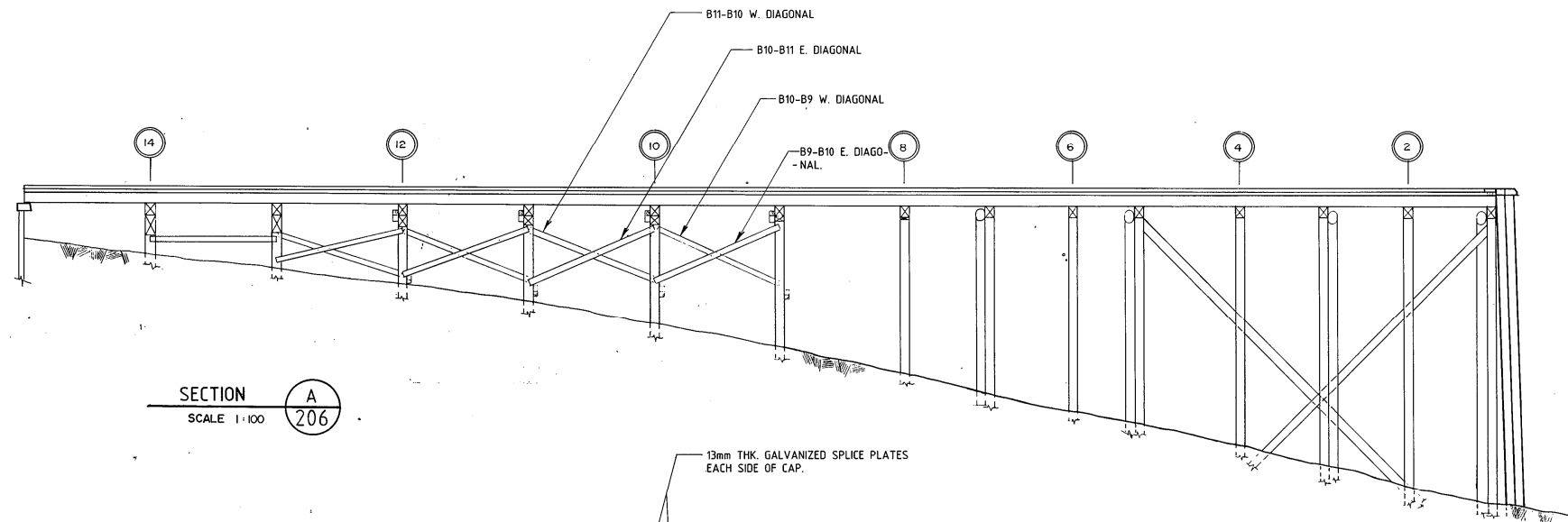
REPAIRS TO JETTY 'D' & JETTY- 11.  
COLWOOD B.C.

TRADE — MÉTIER	STRUCTURAL
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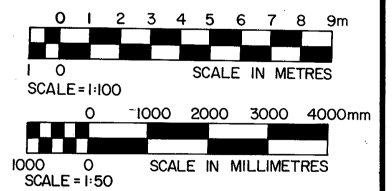
SUBJECT — SUJET

JETTY - 11.  
PLAN, SECTION & DETAILS.

PRODUCTION	CONCURRENCE — APPROBATION	
DESIGNED BY ETUDE PAR JBS.	<i>E. And</i>	<i>Kelly</i> CIVIL E. B.F.C.
DRAWN BY DESSINÉ PAR KRW.		<i>E. R.</i> B.O.E.
CHECKED BY VÉRIFIÉ PAR		<i>[Signature]</i> ENG. O.
DATE 85.03.29.	APPROVED BY - APPROUVÉ PAR	
SCALE — ECHELLE AS NOTED	DWG. NO. — DESSIN NO. L-C260/5-9502/3-205	
	DCOS CE	



SECTION C  
SCALE 1:50



PF. NO. 76-24510

NO.	DATE	DESCRIPTION	DRAWN BY DESSINÉ PAR	APP'D BY APPR PAR
REVISION - RÉVISION				
DEPARTMENT OF NATIONAL DEFENCE MINISTÈRE DE LA DÉFENSE NATIONALE CFB ESQUIMALT				
PROJECT & LOCATION - PROJET ET EMPLACEMENT REPAIRS TO JETTY D & JETTY - 11 COLWOOD B.C.				
TRADE - MÉTIER STRUCTURAL				
SUBJECT - SUJET JETTY - 11 PLAN & SECTION.				
DESIGNED BY - ÉTUDE PAR	JBS	CIV. ENG.	K. J. J. J.	B.F.C.
DRAWN BY - DESSINÉ PAR	KRW			B.D.E.
CHECKED BY - VÉRIFIÉ PAR				ENG. O.
DATE	85.03.29.	APPROVED BY - APPROUVÉ PAR		DCOS CE
SCALE - ÉCHELLE	AS NOTED	DWG. NO. - DESSIN NO.	L-C260/5-9502/3-206	

AS BUILT 86-09-11

# 1. Codes and Standards

## 2. Permits, Fees

## 3. Operation and Maintenance

## 4. Voltage Ratings

## 5. Inspection

## 6. Wiring and Equipment

## 7. Existing Incandescent Light Fixtures

## 8. Junction Boxes

## 9. Cable Supports and Wire Connectors

## 10. Conduit and Conductors

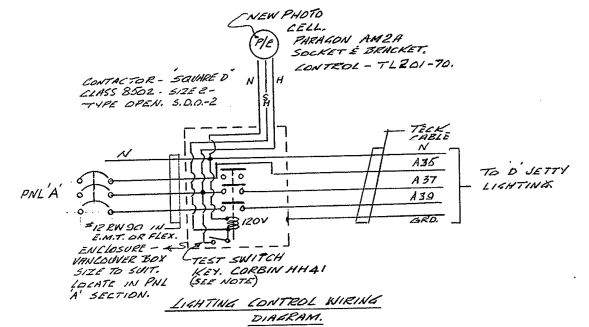
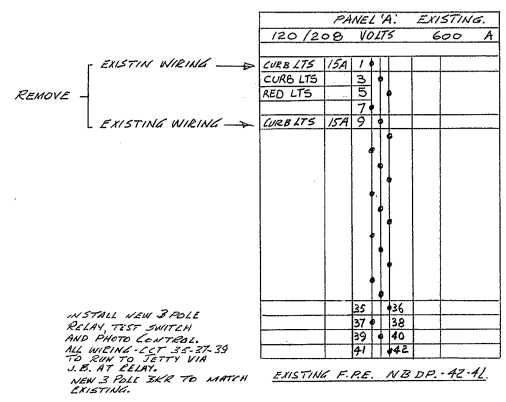
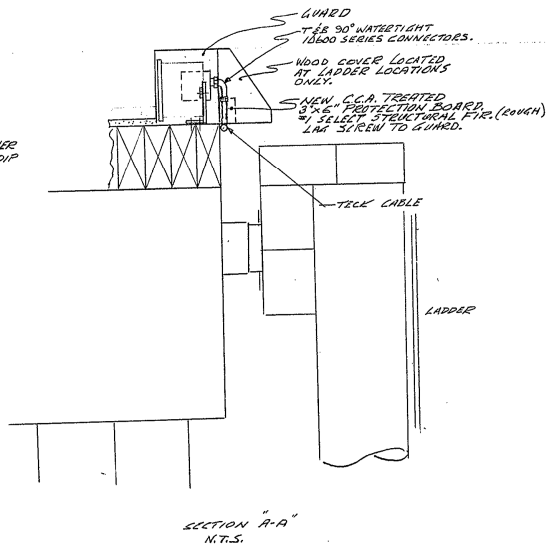
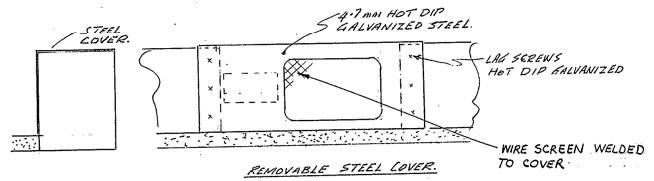
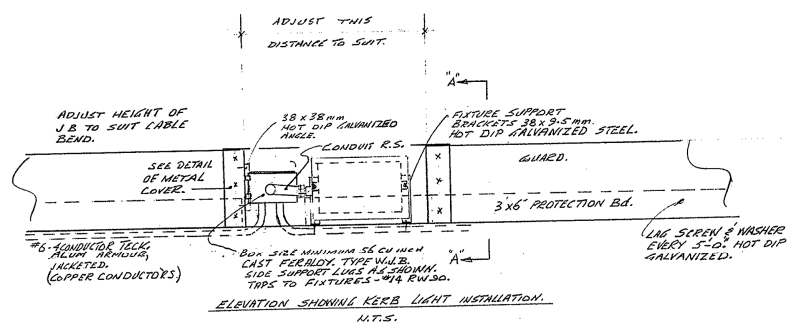
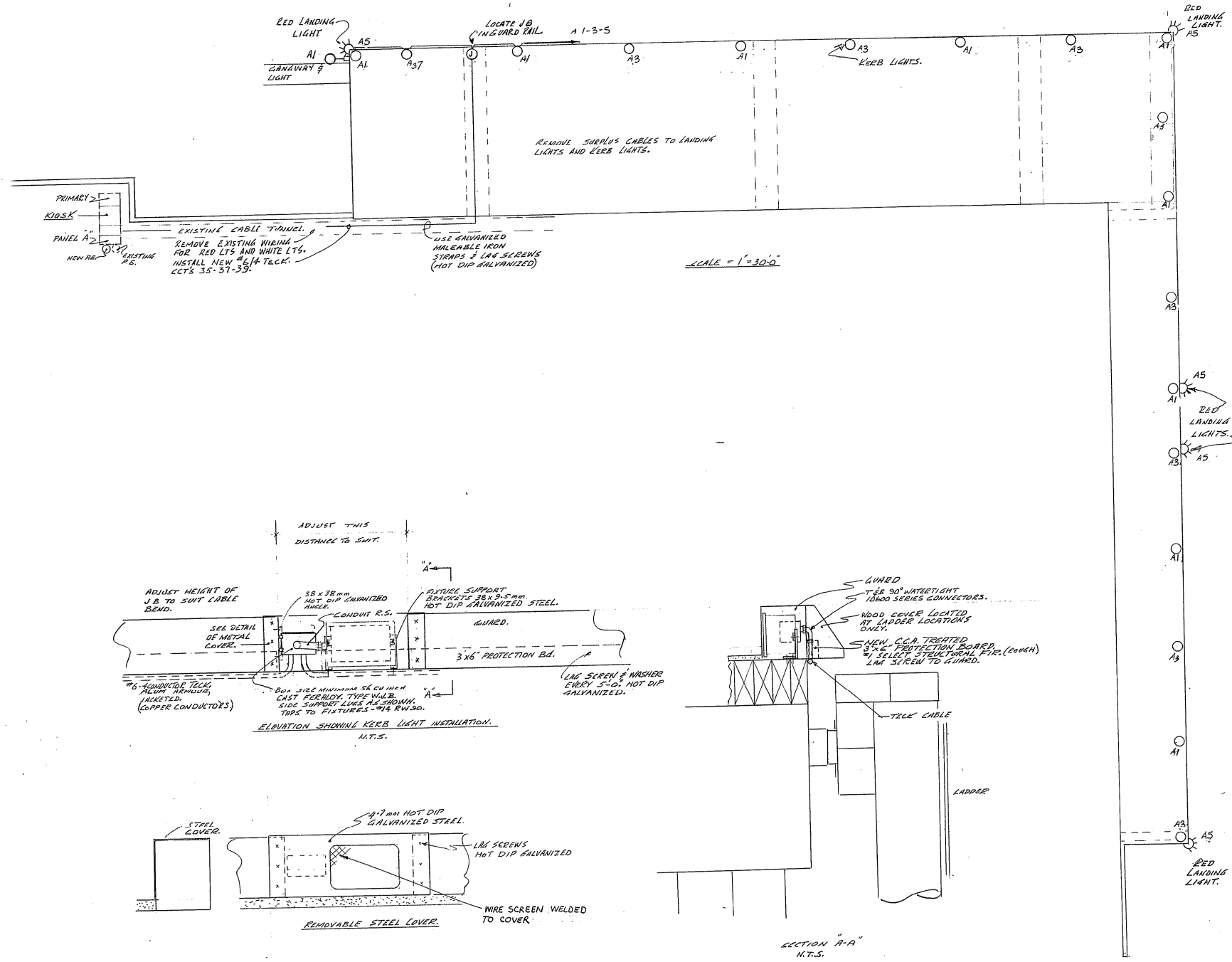
## 11. Tests

## 12. Insulation Resistance Testing

## 13. Cleaning

### SPECIFICATION

- Do complete installation in accordance with CSA C22.1-1982 except where specified otherwise.
- Comply with CSA Certification Standards and Electrical Bulletins in force at time of tender submission.
- Submit to BC Safety Engineering Services Division, Electrical Safety Branch the necessary number of drawings and specifications for examination and approval prior to commencement of work.
- Apply for permits.
- Pay associated fees.
- Engineer will provide drawings at no cost.
- Provide operation and maintenance data for incorporation into operation and maintenance manual.
- Operating voltages: to CAN3-C235-83.
- Furnish Certificates of Inspection from BC Safety Engineering Services Division, Electrical Safety Branch on completion of work.
- Provide and install all new wiring and equipment as shown and as detailed.
- Referbish all Kerb light and **SUPPLY NEW RED LANDING LIGHTS** 5w J.B.S. 51.06FS, GUARDS AND LAMPS.
- Remove and sand blast all existing Kerb light fixture housings and spray paint with one coat primer and two coats of weatherproof black epoxy paint.
- Remove all front trims including wire guards, clean and reelectrogalvanize.
- Wire brush all bolts and treat threads with graphite paste.
- Clean all reflectors and reseal all glass lenses. A limited quantity of spare fixtures are available if breakages occur.
- Relamp with 120 Volt, 100 Watt, A19 incandescent I.F., extended service lamps with CCB filament.
- Crouse-Hinds type "HJB" sized as shown. Modify lugs for side support as indicated.
- Use galvanized malleable iron cable straps. Space all cable straps at maximum 1000 mm intervals.
- All wire connectors - #6/4 Teck, copper-servit type Burndy "KS" size to suit. Insulate using 1000 volt low temperature plastic self adhesive tape.
- Local wiring at control location - "Ideal", wing nut type.
- All conduits at junction boxes and light fixtures - rigid steel. Conduits at Panel "A" and control, - E.M.T. or liquid tight flex.
- All conductors shall be copper.
- Conduct and pay for all tests.
- Conduct all test in presence of Engineer.
- Megger all circuits with minimum 500 volt instrument. Maintain one Megohm or a value acceptable to the Provincial Electrical Inspector.
- Do final cleaning in accordance with Section 01005.



NOTE: # 1181, KEY REMOVABLE ARROW HINT - 1181, KEY REMOVABLE IN AUTO POSITION ONLY.

AS BUILT 86-09-11

PF NO 76-31716.

NO.	DATE	DESCRIPTION	DRAWN BY	APP'D BY
			DESIGNING PAR	APPROV PAR

DEPARTMENT OF NATIONAL DEFENCE  
MINISTÈRE DE LA DÉFENSE NATIONALE

PROJECT & LOCATION - PROJET ET EMPLACEMENT  
REPAIRS TO JETTY 'D' & JETTY-11  
COLWOOD B.C.

TRADE - MÉTIER  
ELECTRICAL.

SUBJECT - SUJET  
JETTY 'D' REWIRING & UPGRADING  
KERB LIGHTING COMPLETE WITH  
CONTROLS.

PRODUCTION	CONCURRENCE - APPROBATION
DESIGNED BY - ÉTUDE PAR S.U.	APPROVED BY - APPROUVÉ PAR
DRAWN BY - Dessiné PAR S.U.	
CHECKED BY - VÉRIFIÉ PAR	
DATE 85-11-05	
SCALE - ÉCHELLE 1:50	DWG. NO. 86015-9502/3-501