



Fisheries and Oceans
Canada

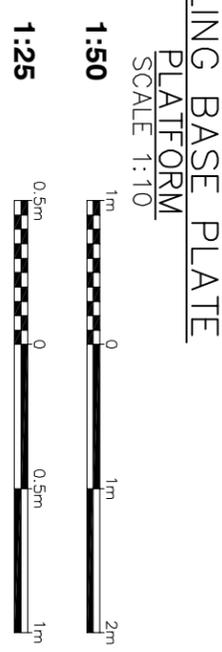
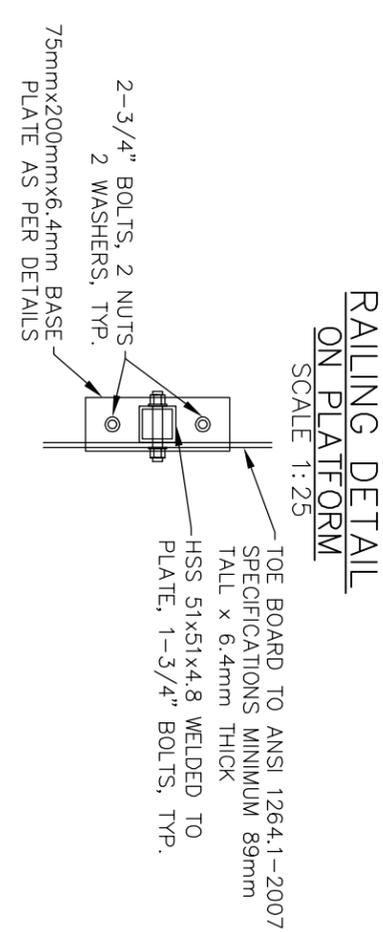
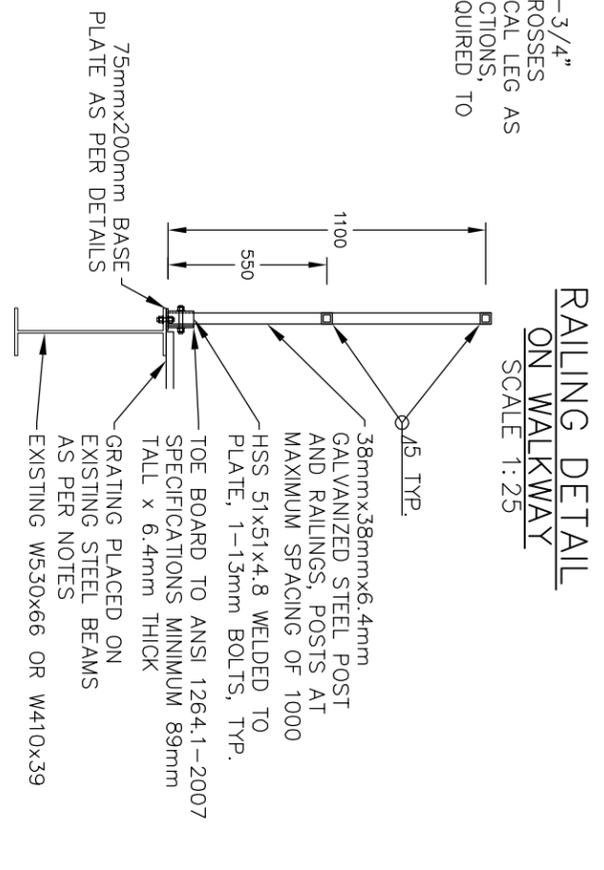
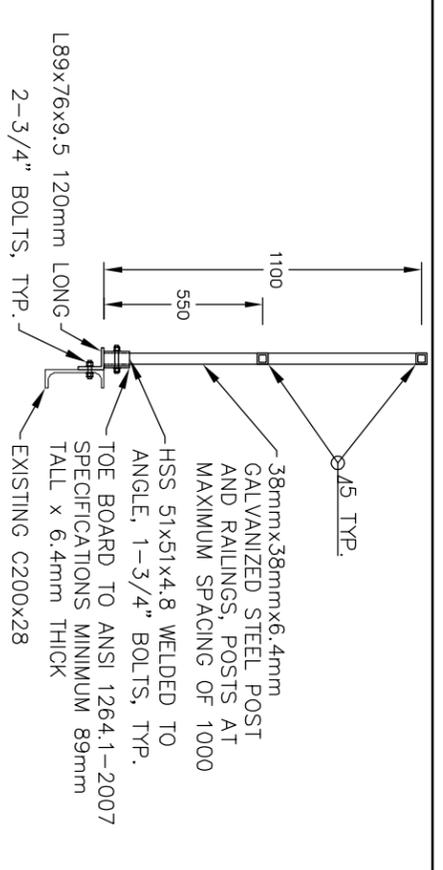
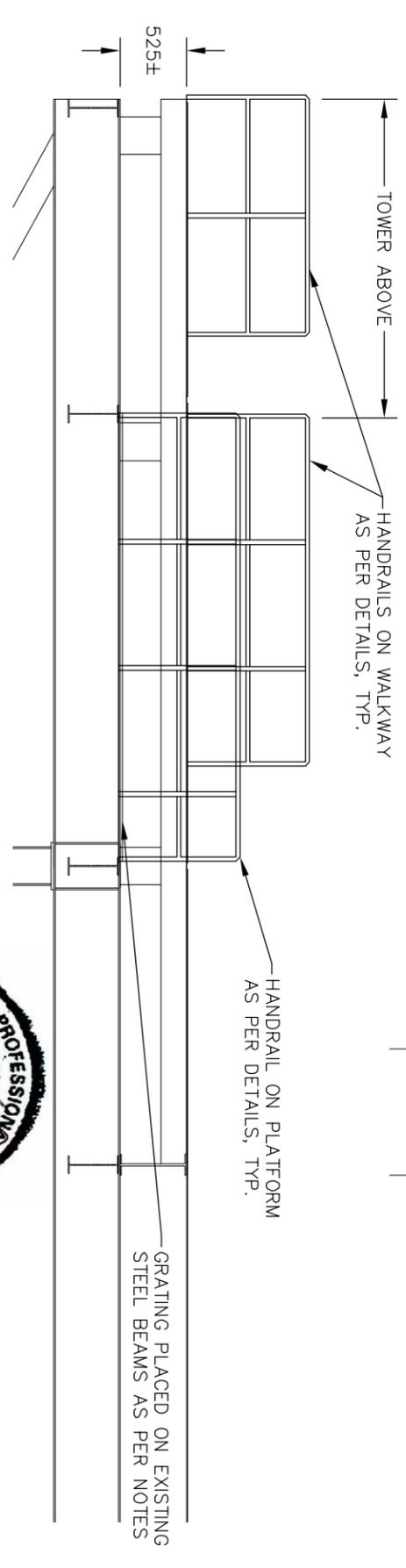
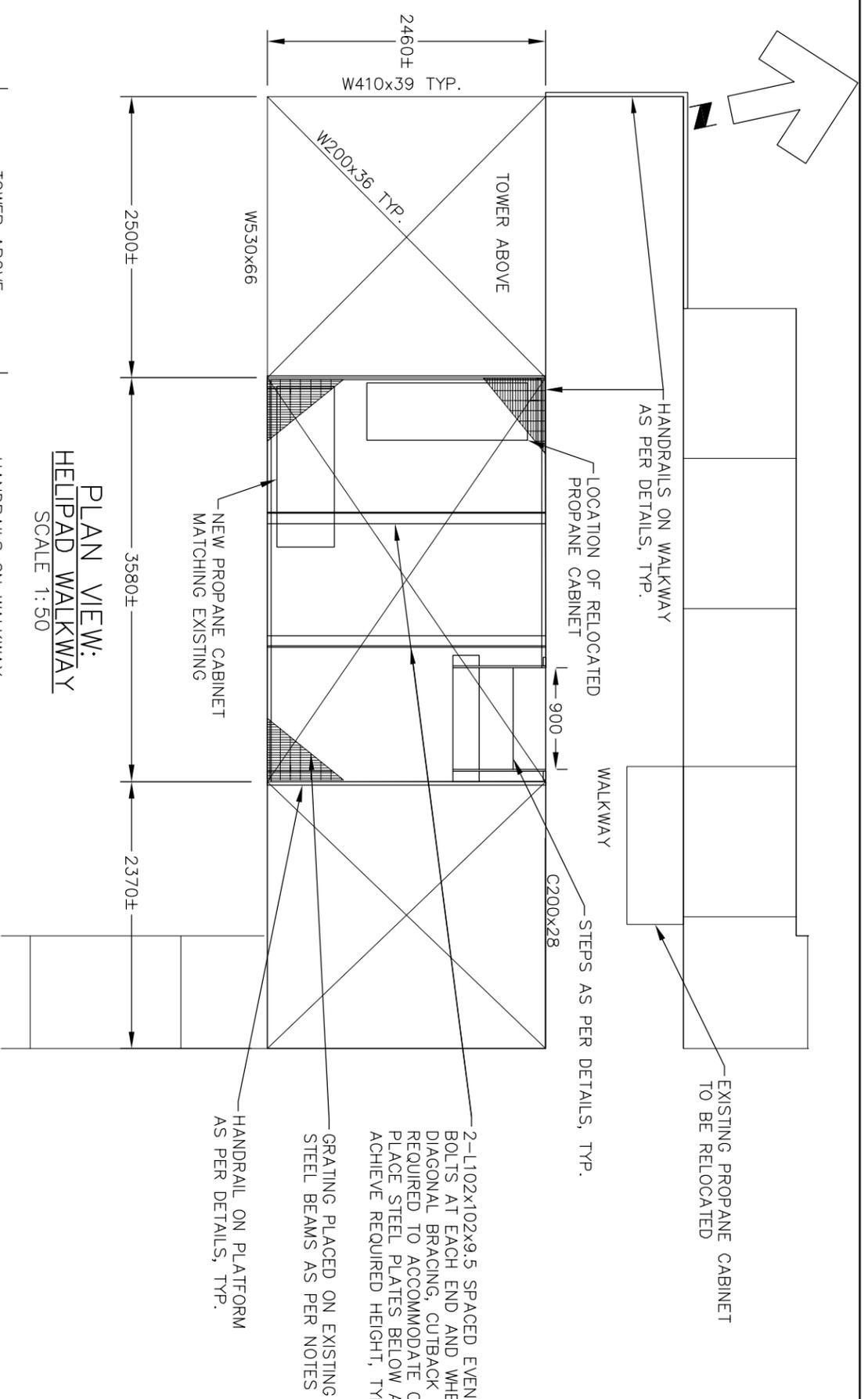
Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne



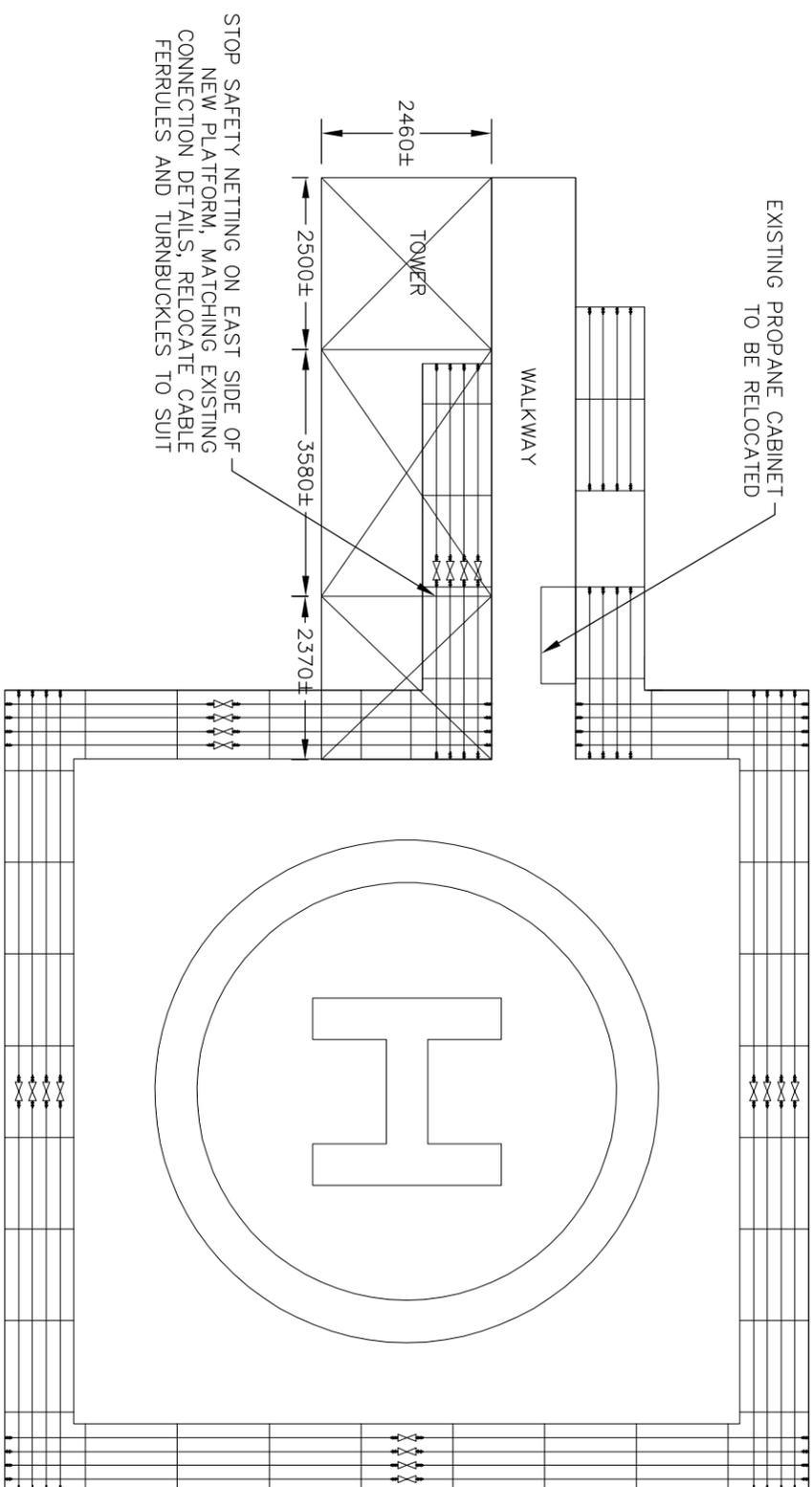
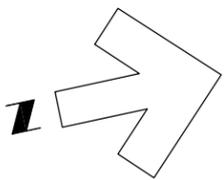
ANNEX C– CONTRACT DRAWINGS



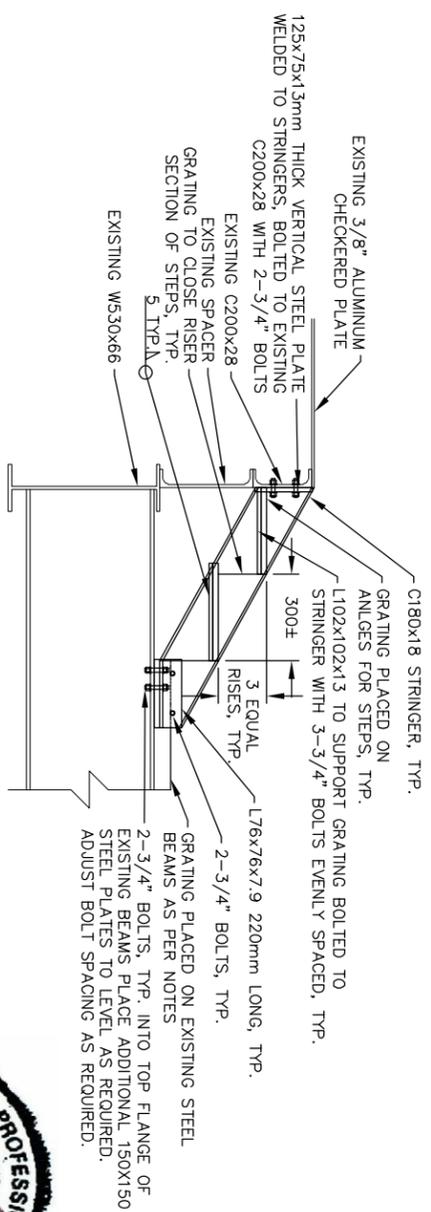
Design By: J.P.J. Checked By: A.I.R.



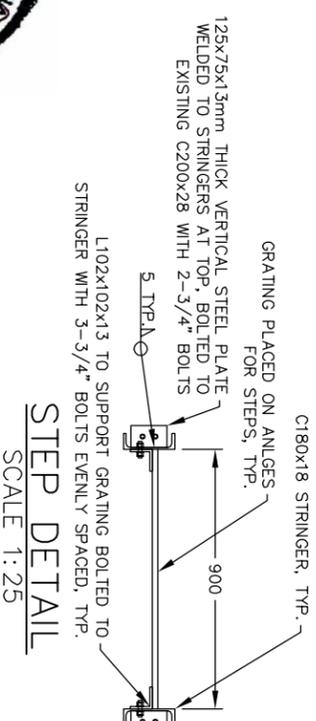
Department of Fisheries and Oceans Canada L1620 Helipad Details		Date	PROJECT Nc
		March 6, 2019	18291
SCALE	As Shown	DRAWING Nc 2 of 2	



PLAN VIEW:
EXISTING
SCALE 1:100



STEPS DETAIL
ELEVATION
SCALE 1:25



STEP DETAIL
SCALE 1:25

NOTES:

1. Structure to be built in general accordance with the latest revision of the Ontario Building Code and applicable material specifications.
2. Hot dip galvanize to ASTM A 123 after fabrication.
3. Contractor shall check all dimensions in the field with the working drawings and report discrepancies that may have an impact on the design to the Engineer.
4. Grating to be galvanized steel, design load 3.6 KPa (SLS) with hold down clips at 600 cts. Borden pressure locked grating, type B 19-P-4 or accepted equivalent on steps. Borden 9HD13-4 or accepted equivalent on platform. Installed as per suppliers recommendations.
5. Design criteria Loads:
Ice Accretion 30mm
Live Load 3.6KPa
6. Galvanized steel toe board shall be minimum 89mm in height securely fastened in place, with not more than 6mm clearance above floor level.
7. Structural steel sections and plates to CSA G40.20/G40.21, Grade 350W.
8. All metric dimensions in mm unless noted otherwise.
9. Unless specified otherwise, all bolts used to connect structural elements shall be 3/4" galvanized bolts and shall have two nuts and two washers.

1:100



Design By: J.P.J.

Checked By: A.I.R.



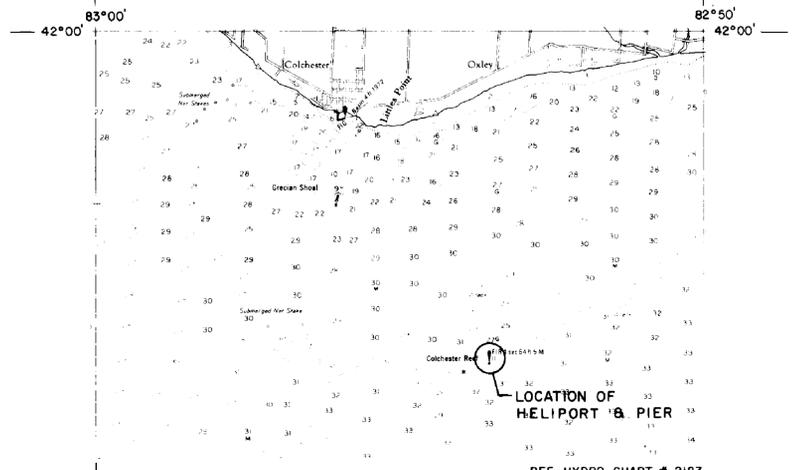
Department of Fisheries and Oceans Canada
LL620 Helipad
General Arrangement

Date
March 6, 2019

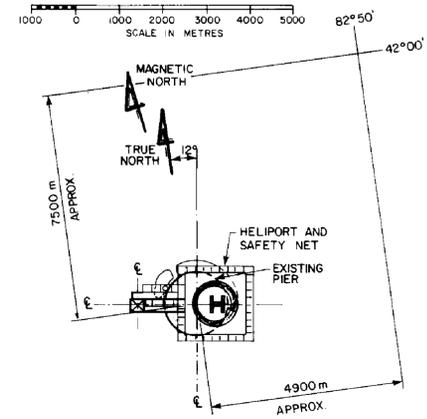
SCALE
As Shown

PROJECT No
18291

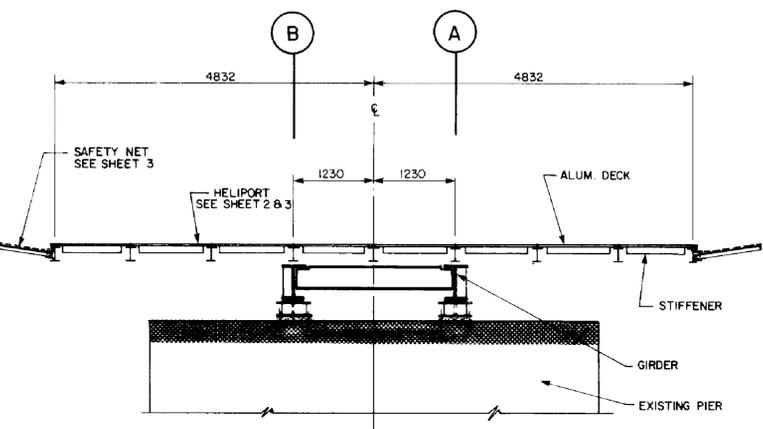
DRAWING No
1 of 2



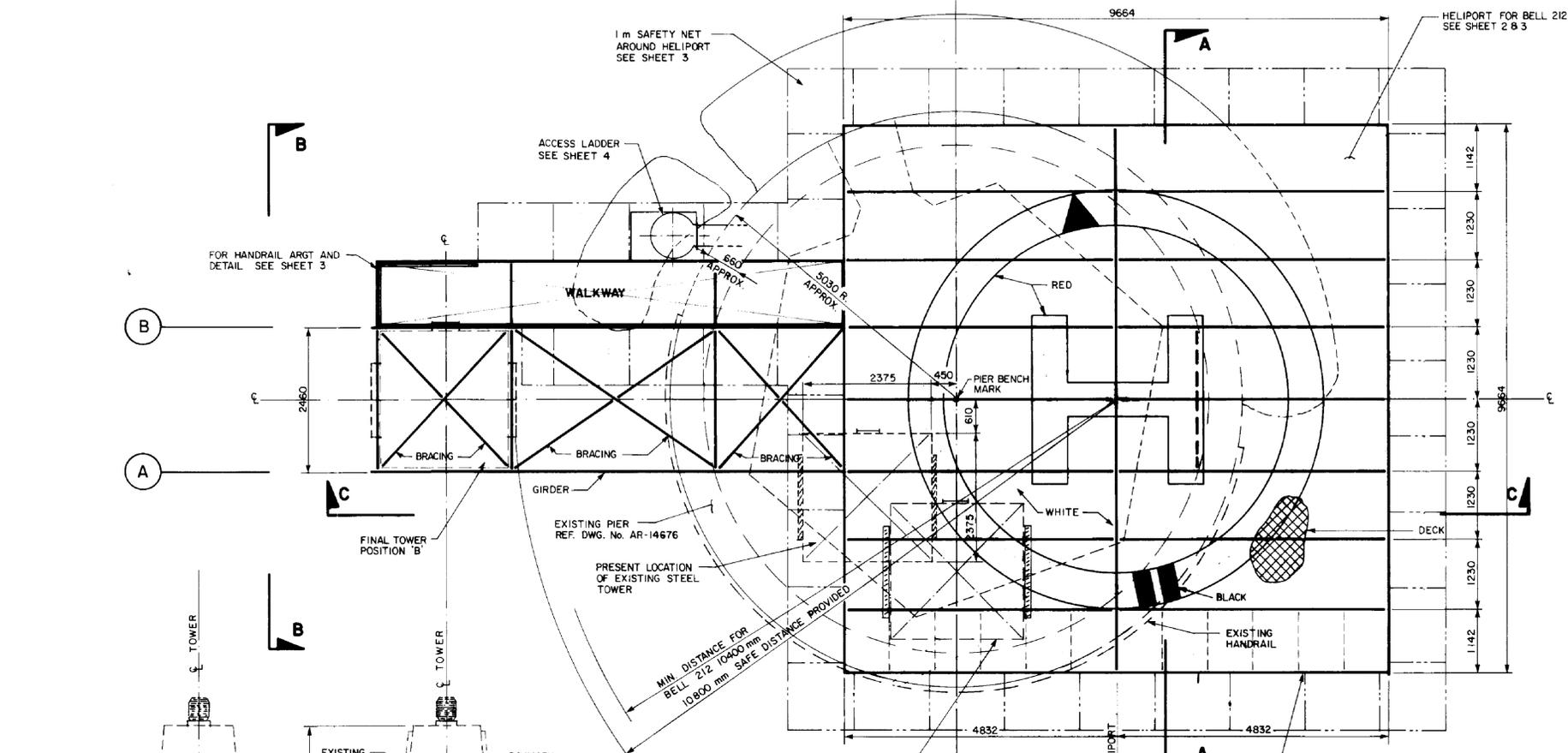
LOCATION PLAN



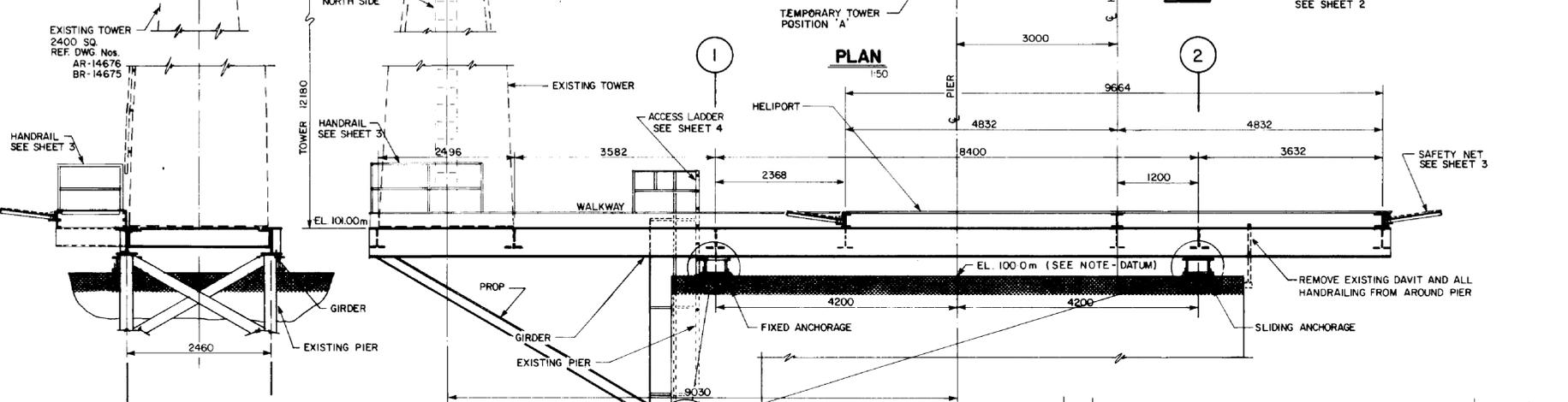
KEY PLAN
N.T.S.



SECTION 'A-A'
1:50



PLAN
1:50



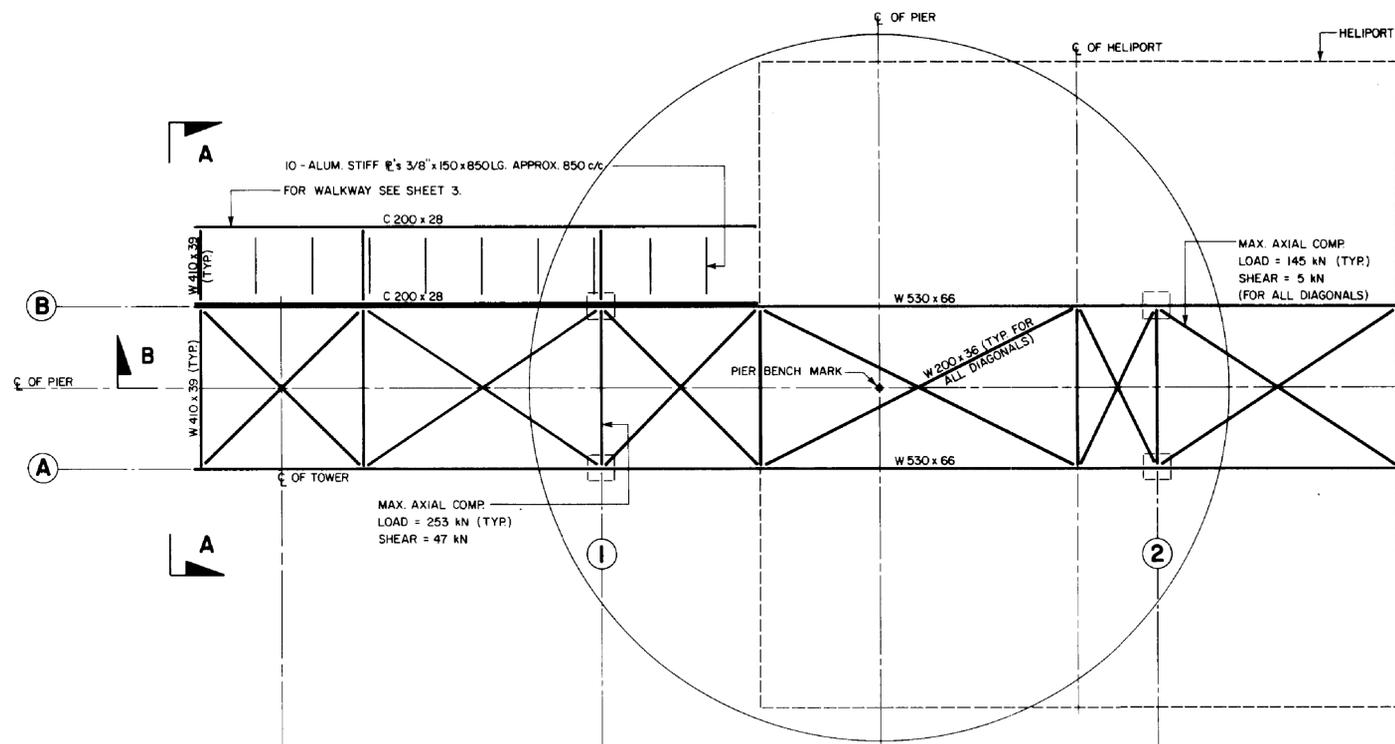
END VIEW 'B-B'
1:50

SECTION 'C-C'
1:50

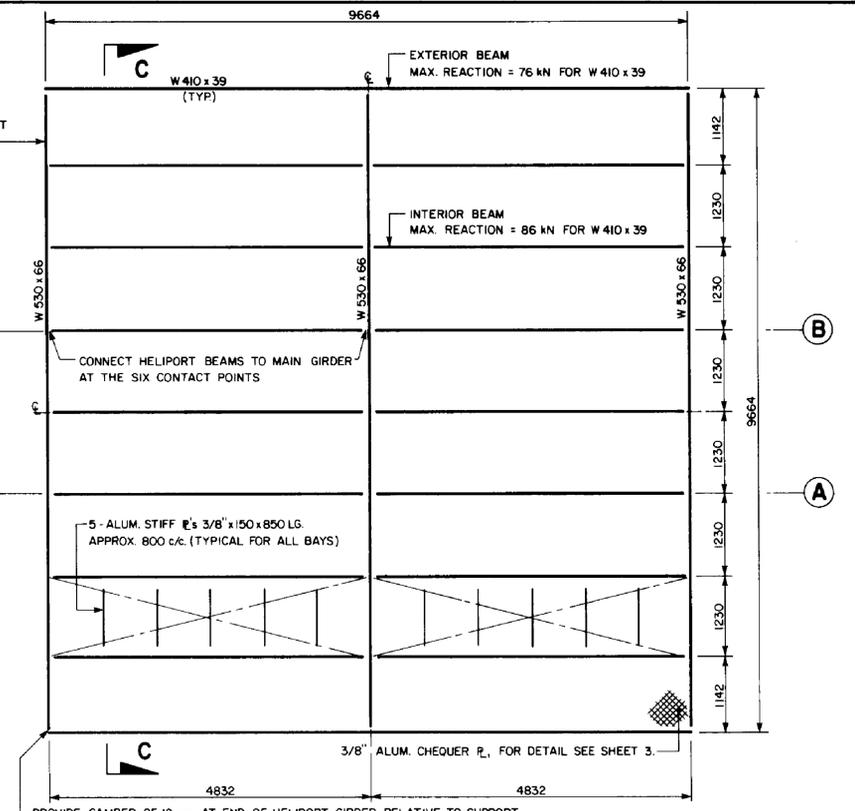
NOTE:
REF: CHART 2813
CHART DATUM = 173.3 m (IGLD)
JOB DATUM = 100.0 m
(ASSUMED CENTRE OF PIER)
ALL ELEVATIONS (EXCEPT WATER LEVELS)
REFERRED TO JOB DATUM.

HWL EL. 174.6 m
LWL EL. 173.3 m
(CHART DATUM)

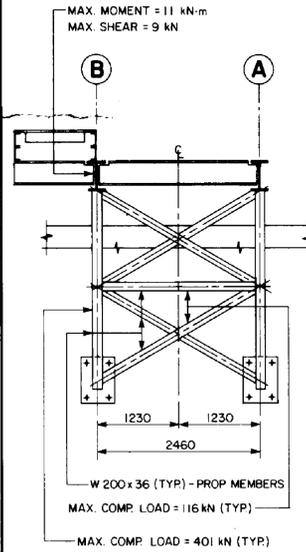
TENDER FINAL	7-4-83	
TENDER PRELIMINARY	08/03/83	CFB
No.	REVISION/MODIFICATION	DATE BY/PAR
TRANSPORT CANADA CANADIAN COAST GUARD MARINE AIDS DIVISION		TRANSPORTS CANADA GARDE CÔTIÈRE CANADIENNE DIVISION DES AIDES-MARINE
LL620 COLCHESTER REEF, LAKE ERIE ONTARIO HELIPORT GEN. ARG'T, LOCATION & KEY PLANS		
DES'G'D/CONCU D	CHK'D/VÉR'DCK V.P.	SCALE/ÉCHELLE
DRAWN/DESS	SUB'D/SOUMIS	AS SHOWN
DATE NOV. 82	APP'D/APPR	DWG/DESSIN No.
		CR-15680
		SHEET/FEUILLE OF 5



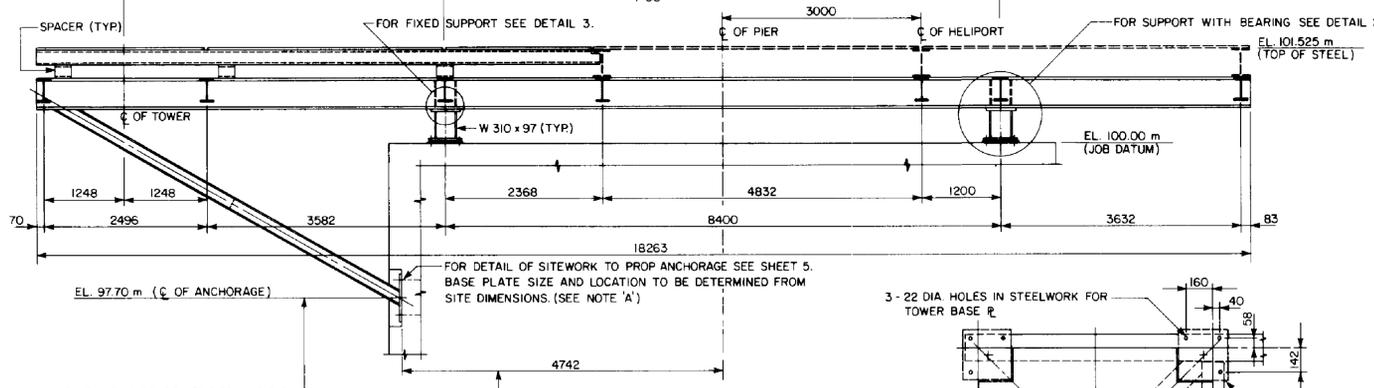
PLAN OF MAIN GIRDER



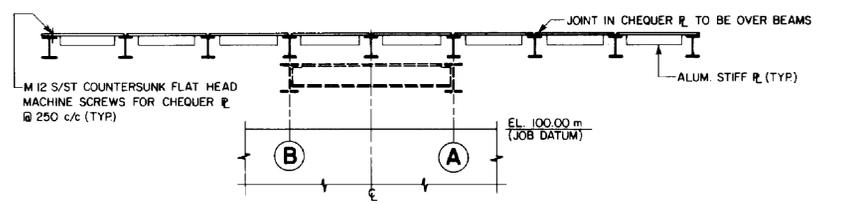
PLAN OF HELIPORT



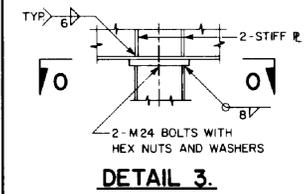
END VIEW A-A



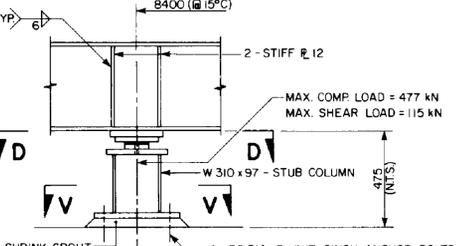
SECTION B-B



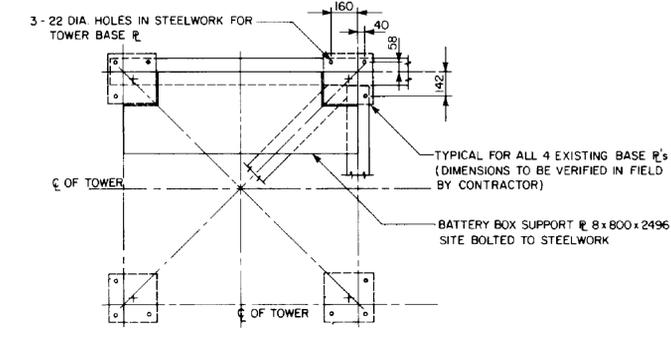
SECTION C-C



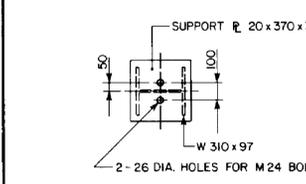
DETAIL 3



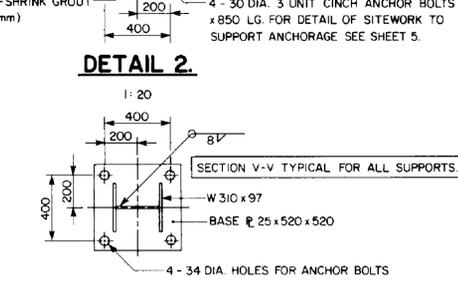
DETAIL 2



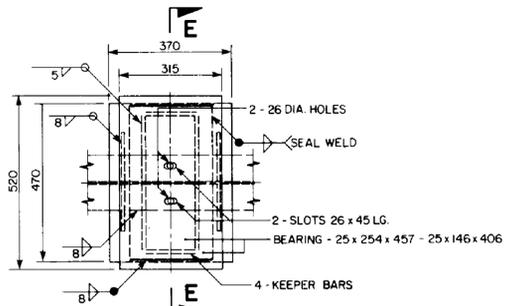
ARGT OF EXISTING TOWER BASE PLATES



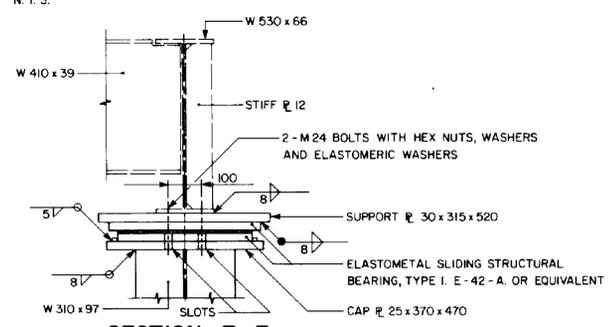
SECTION O-O



SECTION V-V



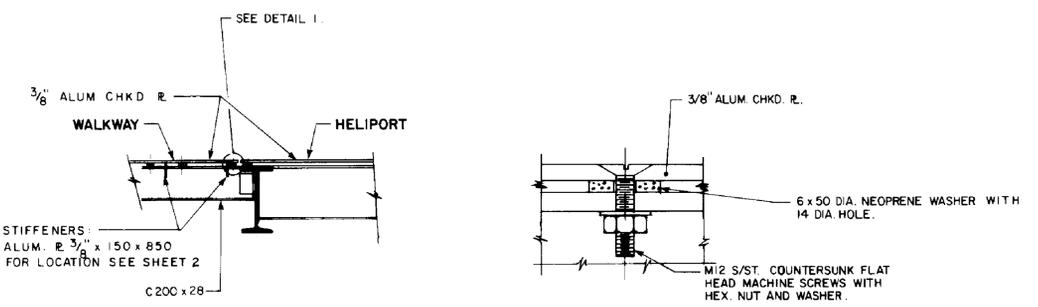
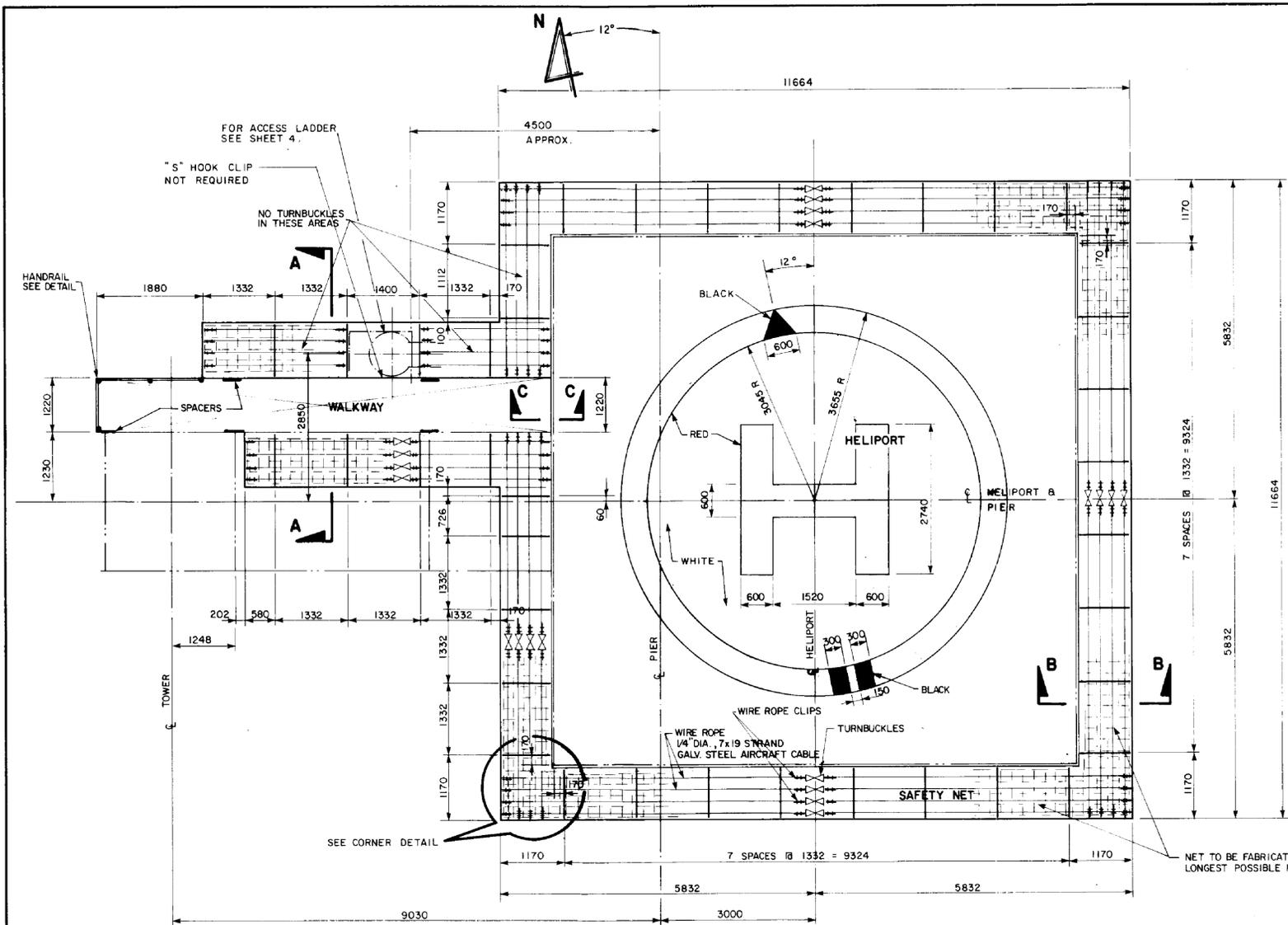
SECTION D-D



SECTION E-E

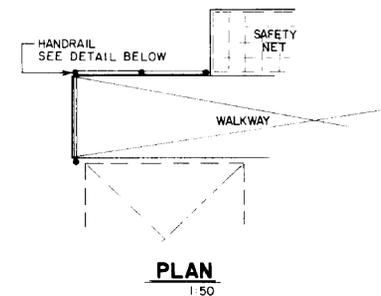
- NOTES:**
- STRUCTURAL STEEL: TO CSA G40.21 - M 1981 GRADE 300 W.
 - STRUCTURAL BOLTS, NUTS & WASHERS: TO ASTM A 325 - 76 C (GALV).
 - GALVANIZING: ALL STEEL & FASTENERS HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE TO CSA STANDARD G 164 - M 1981 UNLESS OTHERWISE NOTED.
 - WELDING: TO CSA W 59 - 1977 UNLESS SPECIFIED OTHERWISE. MANUFACTURER TO BE QUALIFIED TO CSA W 47.2 - 1978.
 - WELDING ELECTRODES: TO CSA W 48.1 - 1976.
 - ALL LOADS AND REACTIONS SHOWN ARE FACTORED LOADS IN ACCORDANCE WITH CAN 3 - S16.1 - M78. CONTRACTOR TO DESIGN SUITABLE CONNECTIONS.
 - CHEQUER PLATE BOLTS: STAINLESS STEEL - 18-8.
 - ALUMINUM CHEQUER PLATE: TO CSA H44 - 1975 - .6061T651.

TENDER FINAL	7 / 4 / 83	
TENDER PRELIMINARY	08/03/83	A.W.
No	REVISION/MODIFICATION	DATE BY/PAR
TRANSPORT CANADA CANADIAN COAST GUARD MARINE AIDS DIVISION		
TRANSPORTS CANADA GARDE CÔTIÈRE CANADIENNE DIVISION DES AIDES - MARINE		
LL620 COLCHESTER REEF, LAKE ERIE, ONTARIO HELIPORT STEEL ARG'T. & DETAILS.		
DES'G'D/CONCU	CHK'D/VÉR'D	DWG/DESSIN
NO	SCALE/ECHELLE	NO
AS SHOWN	AS SHOWN	CR-15680
DATE DEC 21, 82	APP'D/APP'R	SHEET/FEUILLE 2 OF 5

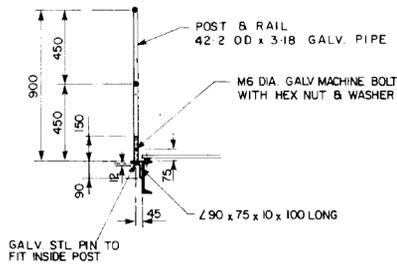


SECTION 'C-C'
1:20

DETAIL 1
NTS

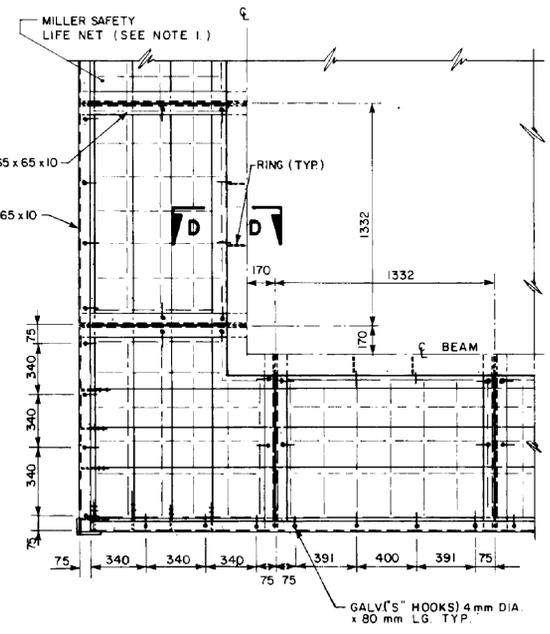


PLAN
1:50

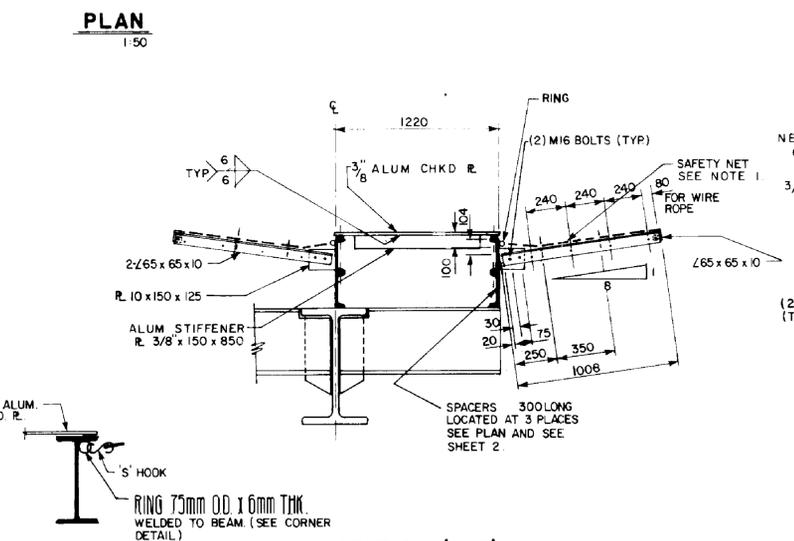


DETAIL (TYP)
1:20

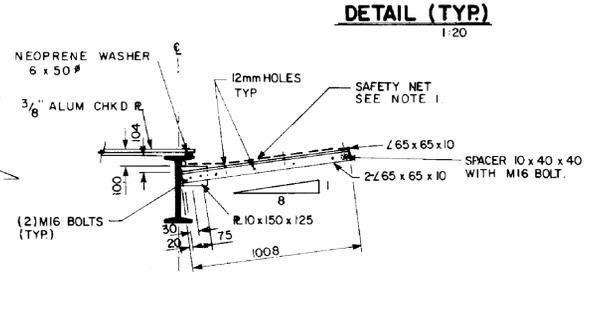
- NOTES:**
- MILLER 25 NYLON WEBBING SAFETY NET: WEBBING ON 150 CENTRES WITH OPENINGS BETWEEN WEBBINGS 125 ALL CROSSINGS SEWN WITH BOX STITCH PATTERN TO ANSI A10.11.
 - GALVANIZING: ALL STEEL & FASTENERS HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE TO CSA STANDARD G164-M1981 UNLESS OTHERWISE NOTED.
 - STRUCTURAL STEEL: TO CSA G40 21-M 1981 GRADE 300W
 - BOLTS NUTS & WASHERS: TO ASTM A 325 - 76 C
 - WELDING: TO CSA W59 - 1977 UNLESS SPECIFIED OTHERWISE MANUFACTURER TO BE QUALIFIED TO CSA W47 2 - 1978
 - WELDING ELECTRODES: TO CSA W48-1-1976
 - ALUMINUM CHKD. PLATE: TO CSA H44 - 1975 - 6061T651
 - NEOPRENE WASHER TO CAN 3-56-M78 CLAUSE 11.10 TABLE 40 GRADE (DOROMETER) 60



CORNER DETAIL (TYP.)
1:20

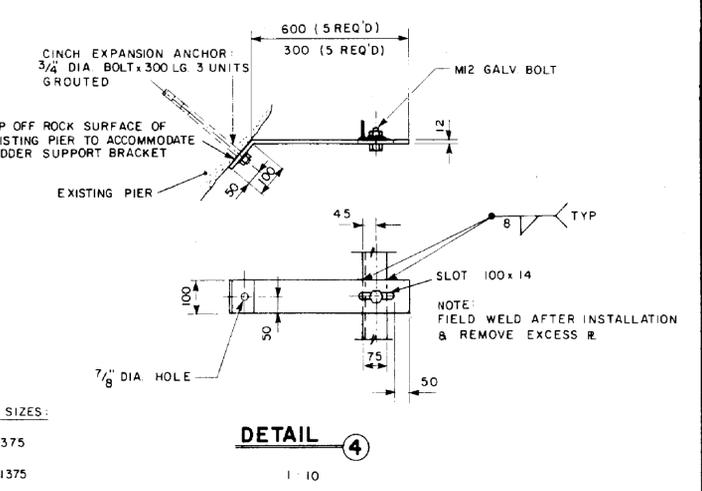
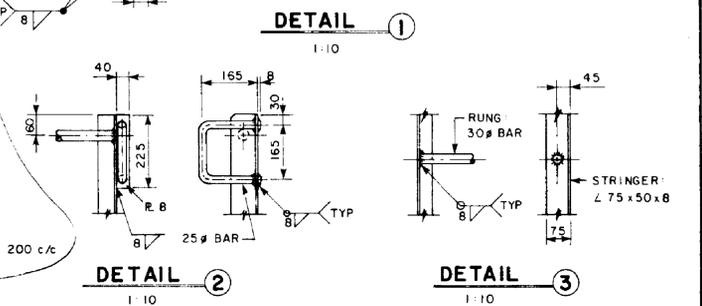
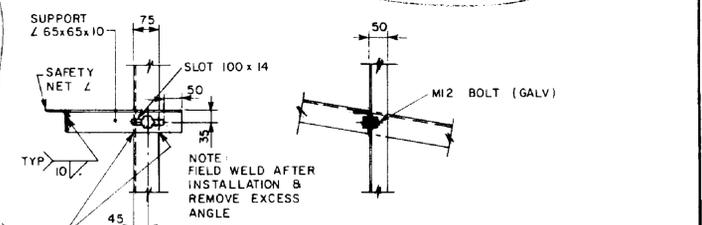
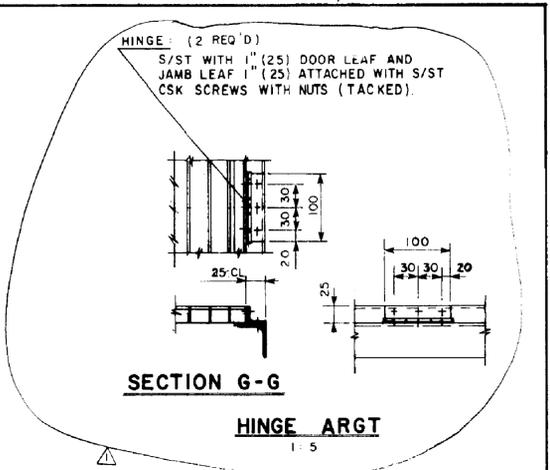
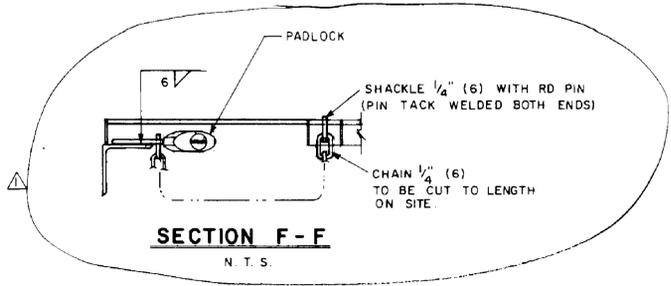
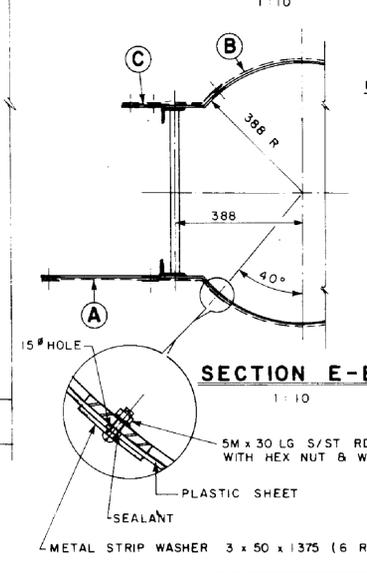
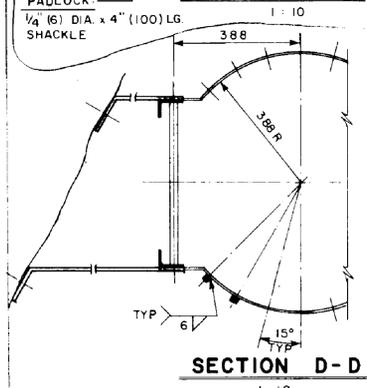
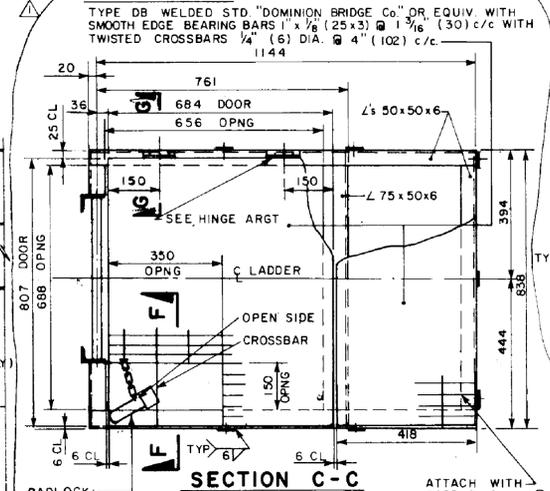
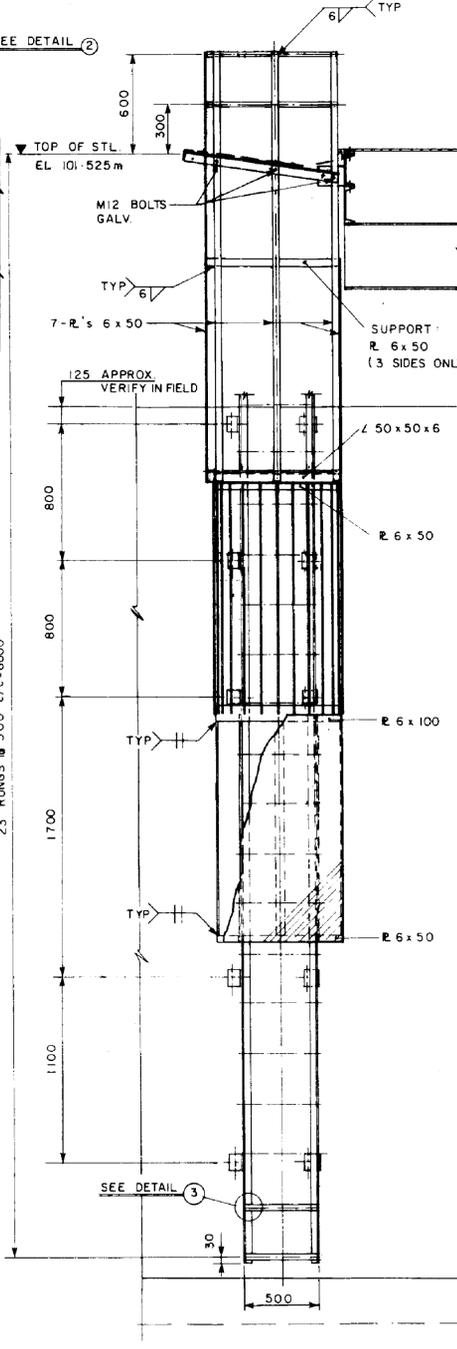
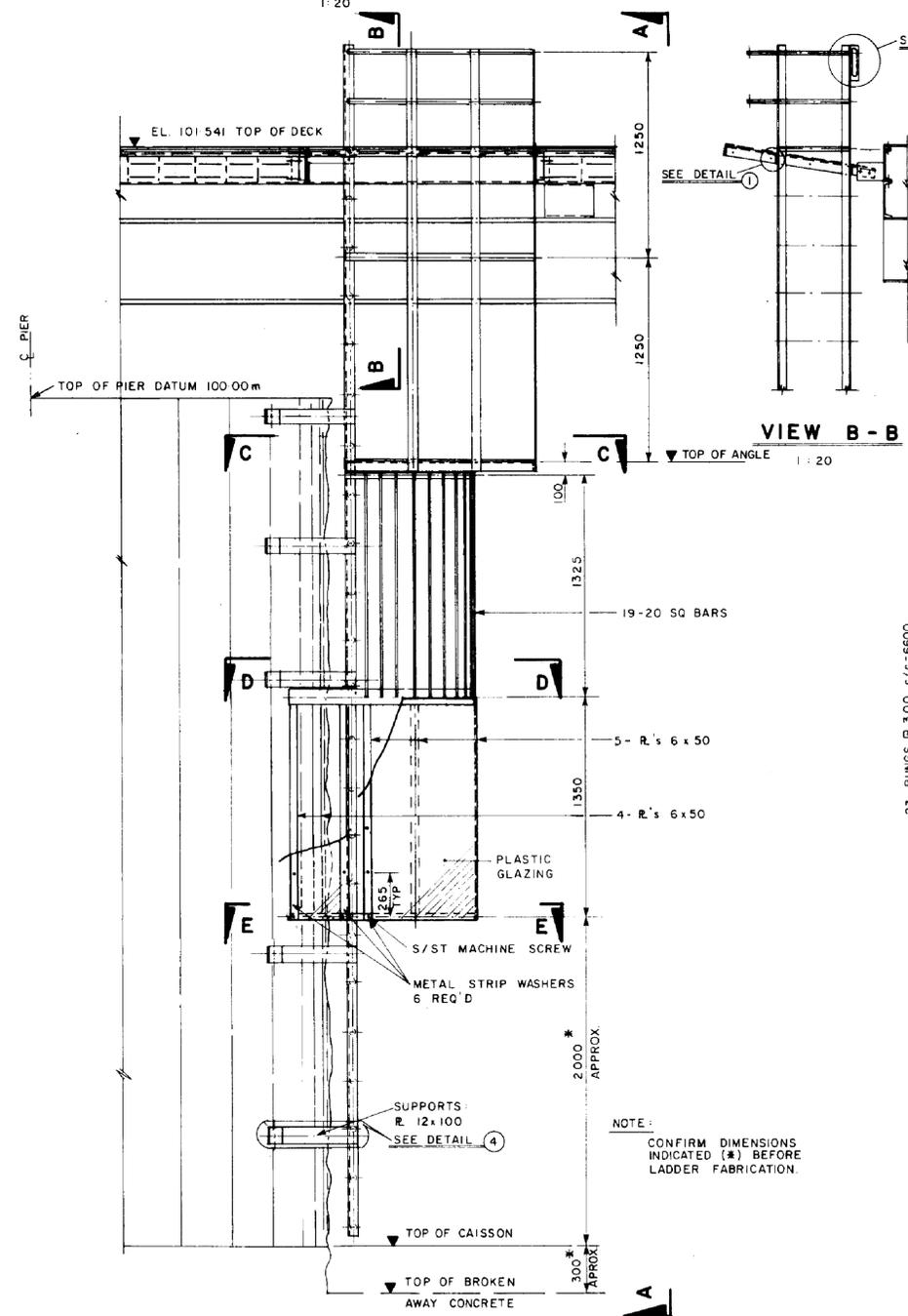
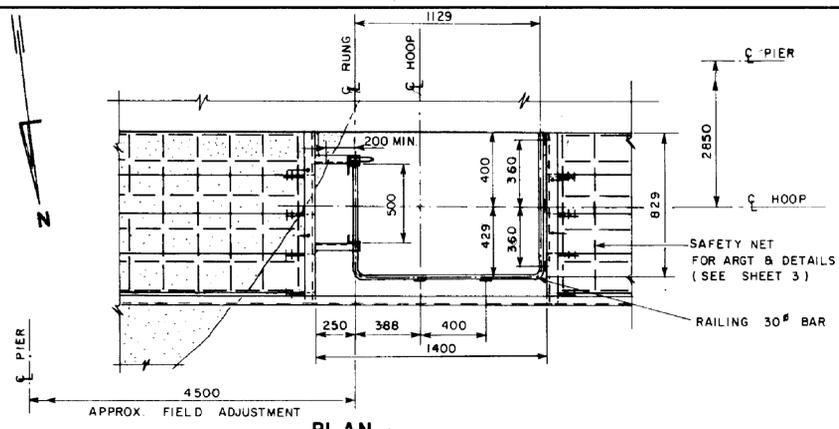


SECTION 'A-A'
1:20



SECTION 'B-B' (TYP.)
1:20

TENDER FINAL	7-4-83	
TENDER PRELIMINARY	08/03/83	C.F.B.
No.	REVISION/MODIFICATION	DATE BY/PAR
TRANSPORT CANADA CANADIAN COAST GUARD MARINE AIDS DIVISION		
TRANSPORTS CANADA GARDE CÔTIÈRE CANADIENNE DIVISION DES AIDES-MARINE		
LL620 COLCHESTER REEF, LAKE ERIE ONTARIO HELIPORT SAFETY NET ARGT.		
DESIGNED/CONC'D	CHK'D/VÉR'D	V.P.
DRAWN/DESSINÉ	SUB'D/SOUMIS	AS SHOWN
DATE DEC. 82	APP'D/APPR	
DWG/DESSIN No.	SCALE/ECHELLE	DWG/DESSIN No.
		CR-15680
SHEET/FEUILLE OF/DE		3 OF 5

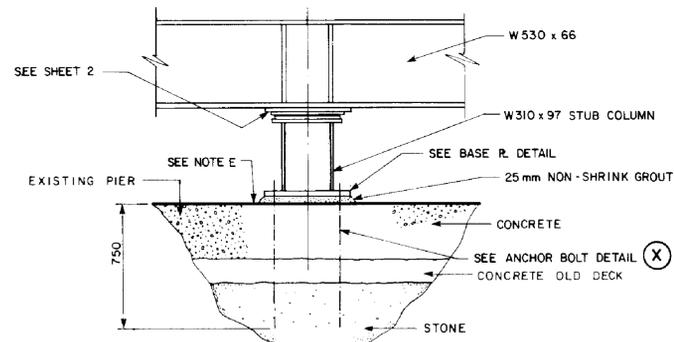


- PLASTIC GLAZING SHEET SIZES:
- (A) 1/8" x 580 x 1375
 - (B) 1/8" x 2000 x 1375
 - (C) 1/8" x 280 x 1375

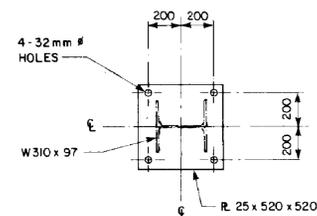
NOTE: FOR FABRICATION NOTES SEE SHEET 3.

AS PER ADDENDUM NO. 1	19-4-83	RDS	
TENDER FINAL	6-4-83	RDW	
No.	REVISION/MODIFICATION	DATE	BY/ PAR
TRANSPORT CANADA CANADIAN COAST GUARD MARINE AIDS DIVISION		TRANSPORTS CANADA GARDE CÔTIÈRE CANADIENNE DIVISION DES AIDES-MARINE	
LL620 COLCHESTER REEF, LAKE ERIE ONTARIO HELIPORT			
ACCESS LADDER ARGT & DETAILS			
DESIG'D/CONCU DCK	CHK'D/VÉR DCK Y.P.	SCALE/ ECHELLE	DWG/DESSIN No
DRAWN/DESS RDW	SUB'D/SOUMIS	as shown	CR-15680
DATE March 23 1983	APP'D/APPR		SHEET/ FEUILLE 4 OF 5

2 SLIDING
1 FIXED

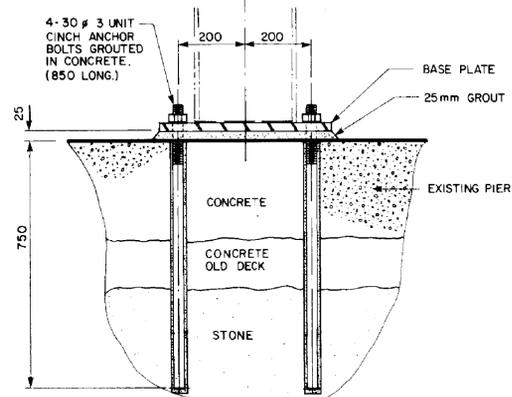


STUD DETAIL FOR LOCATION SEE SHEET 2
1:20



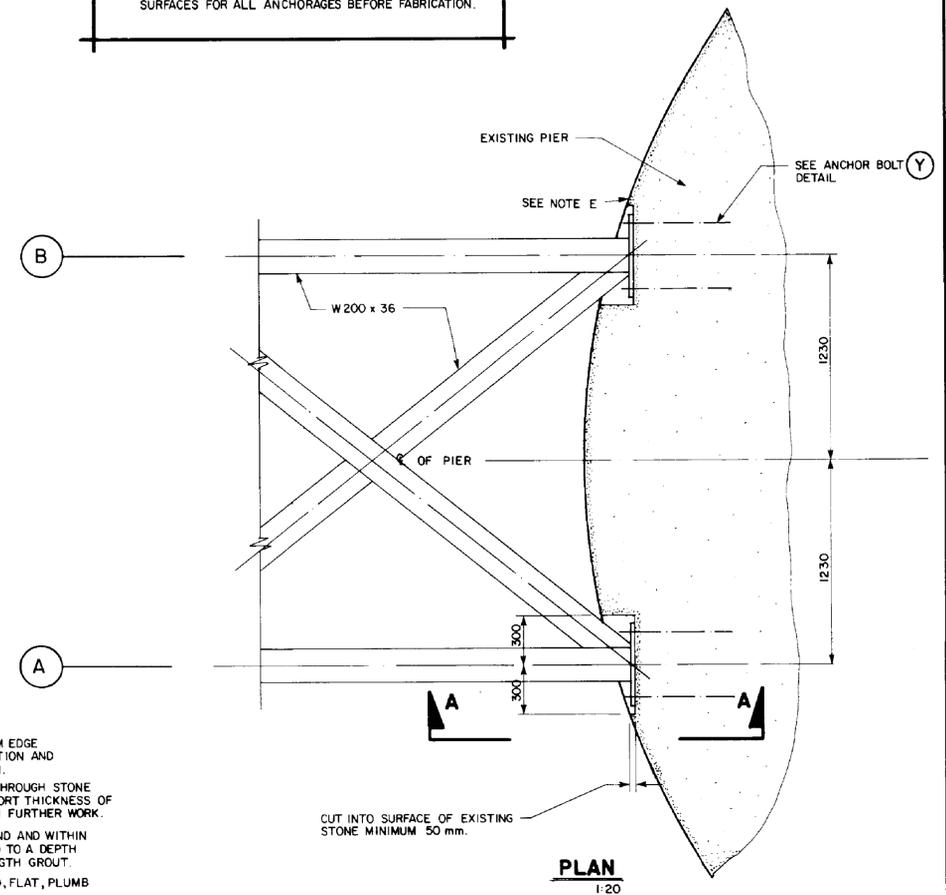
BASE P. DETAIL
1:20

2 SLIDING
1 FIXED



(X) ANCHOR BOLT DETAIL
1:10

NOTE E
SURVEY THE PIER TO VERIFY THE EXISTING SURFACES FOR ALL ANCHORAGES BEFORE FABRICATION.



PLAN
1:20

NOTES FOR SITEWORK

- A. LOCATE ANCHOR BOLTS IN STONE WITH A MINIMUM EDGE DISTANCE OF 100mm. VERIFY ANCHOR BOLT LOCATION AND BASE PLATE SIZE IN FIELD BEFORE FABRICATION.
 - B. DRILL FIRST ANCHOR BOLT HOLE COMPLETELY THROUGH STONE AT EACH ANCHORAGE POINT. MEASURE AND REPORT THICKNESS OF STONE TO ENGINEER BEFORE PROCEEDING WITH FURTHER WORK.
 - C. REMOVE MORTAR FROM BETWEEN STONES BEHIND AND WITHIN 400 mm OF THE EDGE OF THE BASE PLATE AND TO A DEPTH OF 300 mm. REGROUT WITH HIGH EARLY STRENGTH GROUT.
 - D. SURFACE BEHIND ANCHORAGES SHALL BE SOUND, FLAT, PLUMB (OR LEVEL) TO RECEIVE GROUT.
- * SUBJECT TO MODIFICATION

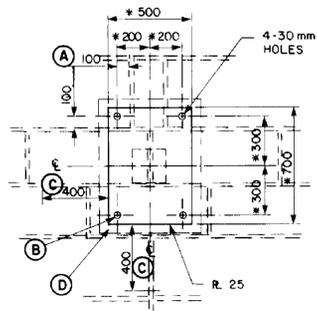
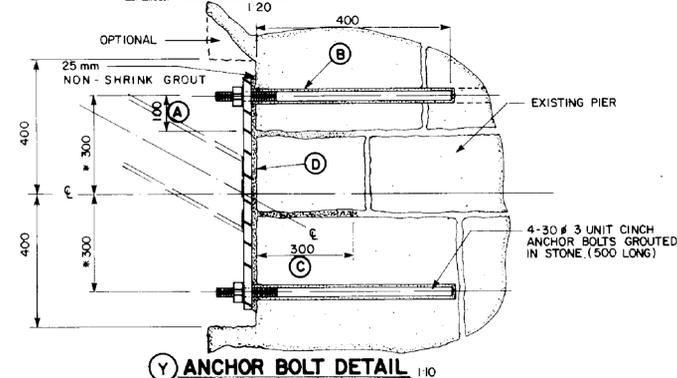


PLATE DETAIL
1:20



(Y) ANCHOR BOLT DETAIL 1:10

TENDER FINAL	7-4-83	
TENDER PRELIMINARY	08/03/83	CFB
No.	REVISION/MODIFICATION	DATE BY/PAR
TRANSPORT CANADA CANADIAN COAST GUARD MARINE AIDS DIVISION		TRANSPORTS CANADA GARDE CÔTIÈRE CANADIENNE DIVISION DES AIDES-MARINE
LL620 COLCHESTER REEF, LAKE ERIE ONTARIO HELIPIRT SITE WORK		
DES'G'D/CONCU	CHK'D/VÉR DCK	V.R
DRAWN/DESS	SUB'D/SOUMIS	SCALE/ECHELLE
DATE FEB. 83	APP'D/APPR	AS SHOWN
DWG/DESSIN No.		SHEET/FEUILLE
CR-15680		5 OF 5