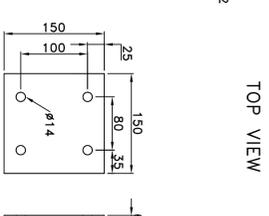
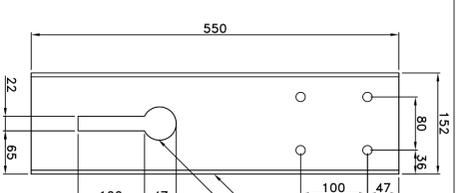


SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION



NOTES:

1. DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
2. CONTRACTOR TO PAINT ALL STEEL HARDWARE WITH 2 COATS OF RED RUST INHIBITOR PAINT
3. CONTRACTOR TO SUPPLY ALL HARDWARE INCLUDING NUTS, WASHERS, ANCHOR BOLTS, RODS, BUSHINGS



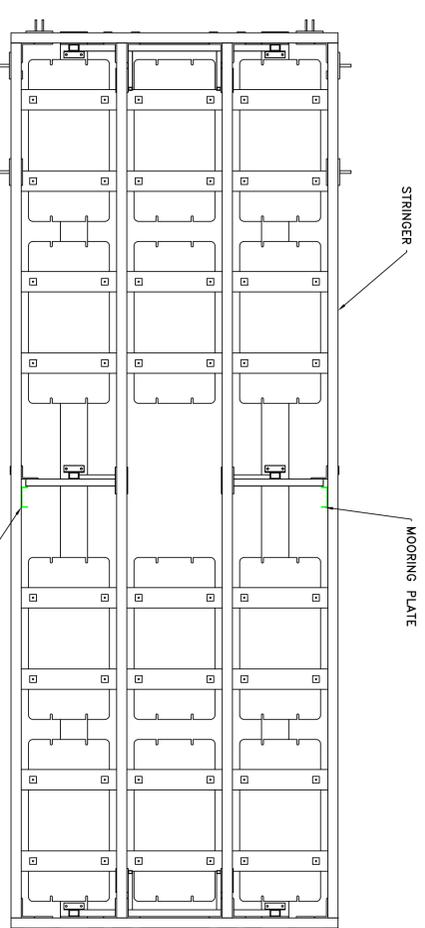
NOTE:
6 STEEL ANCHOR ATTACHMENTS AND MATCHING BACKING PLATES ARE TO BE SUPPLIED WITH FLOAT WHARVES

TOP VIEW

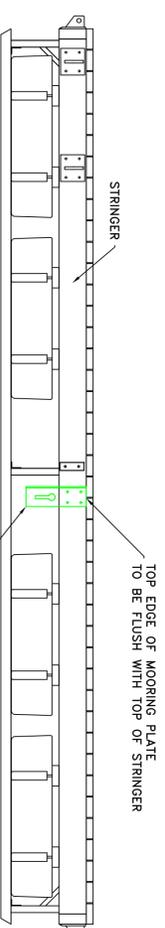
BACKING PLATE DETAIL

STEEL ANCHOR ATTACHMENTS (MOORING PLATES) (6 REQ'D)

SCALE: 1:5



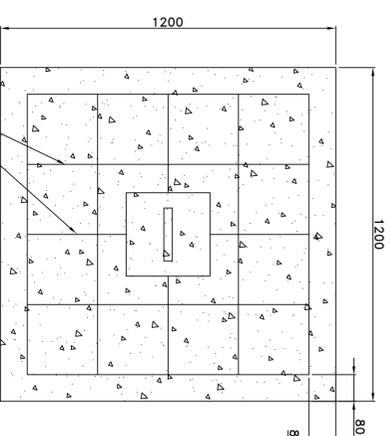
PLAN



ELEVATION

MOORING PLATE TO BE INSTALLED AT CENTER POINT OF FLOAT WHARVES USING 4 - 20mm MACHINE BOLTS AND WASHERS

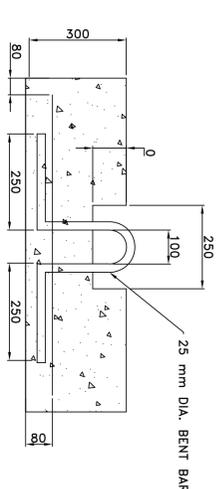
TOP EDGE OF MOORING PLATE TO BE FLUSH WITH TOP OF STRINGER



PLAN

CONCRETE ANCHOR BLOCK DETAIL (6 REQ'D)

SCALE: 1:10



ELEVATION

APPROX. WATER LEVEL

10mm CHAIN TO BE ATTACHED DIAGONALLY AS SHOWN. INSTALL 2.0m EXTRA CHAIN TO ALLOW FOR ADJUSTMENT

CONCRETE ANCHOR BLOCKS TO BE PLACED ON LAKE BED ON BOTH SIDES OF FLOAT WHARF AT ITS MIDPOINT

NOTE:
ANCHOR BLOCKS, CHAINS AND ALL CONNECTING HARDWARE TO BE SUPPLIED BY CONTRACTOR

20mm CHAIN ATTACHED TO LOOP ON ANCHOR BLOCK WITH GALVANIZED SHACKLE - SHACKLE PIN TO BE SECURED

SECTION

CONCRETE ANCHOR ATTACHMENT DETAIL

SCALE: 1:25

1.209M X 1.385M ALUMINUM GANGWAY - SEE DWG B-7 FOR DETAILS

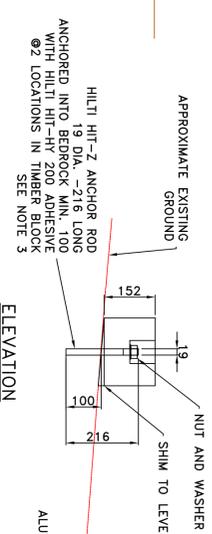
ALUMINUM GANGWAY BRACKET

SUPPLY AND INSTALL CHECKER PLATE RAMP TO WALKWAY APPROX. DIMS. 1300 X 1200 CONTRACTOR TO VERIFY ONSITE

SEE DETAIL FOR ALUMINUM GANGWAY INSTALLATION

203 X 152 X 1.7M TREATED TIMBER RISER BLOCK WITH SHIMS - SEE DETAIL CONTRACTOR TO LEVEL

APPROXIMATE GROUND (BEDROCK)



ELEVATION

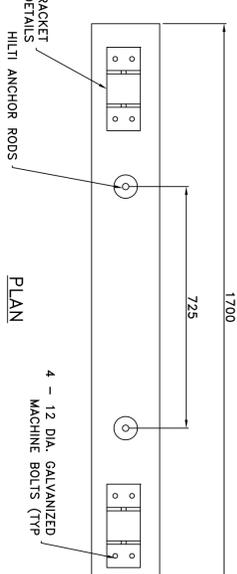
NOTE: ALUMINUM BRACKET OMITTED FOR CLARITY

APPROXIMATE EXISTING GROUND

HILTI HIT-Z ANCHOR ROD 19 DIA. - 216 LONG ANCHORED INTO BEDROCK MIN. 100 WITH HILTI HIT-HY 200 ADHESIVE Ø2 LOCATIONS IN TIMBER BLOCK SEE NOTE 5

ALUMINUM GANGWAY INSTALLATION DETAIL

SCALE: 1:10



PLAN

HARBOUR IMPROVEMENTS

CONCRETE ANCHOR BLOCK DETAILS

DATE:	APPROVED:
SCH	SCH

DATE:	DATE:
SEPT. 2014	OCT. 2014

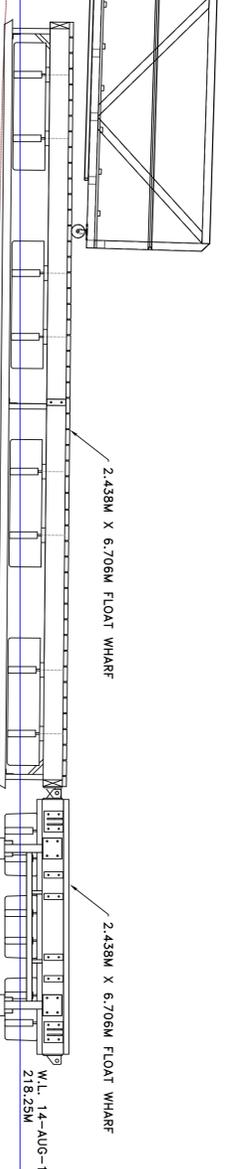
LOCATION: BERENS RIVER (SIGURDSSON ISLAND) MANITOBA

DRAWING NO.: B-5 OF 8

LOCATOR CODE: 5504

SECTION A-A: ALUMINUM GANGWAY

SCALE: 1:30



2.438M X 6.706M FLOAT WHARF

2.438M X 6.706M FLOAT WHARF

W.L. 14-AUG-14 218.23M