

COVER HINGES WITH

◬

FLASHING DETAIL 3 SHT 5

COVER ENDS OF DECKING

GALV. PLATE

SEE DWG 2

DETAIL (1

WITH 2.66 MM (12 GAUGE)

NOTE: FOR HINGE DETAILS AND TRANSITION PLATE

NOTE: HINGE DETAILS AND TRANSITION PLATE NOT

SHOWN FOR CLARITY SEE

DWG 2



NEL



SCALES SET FOR LEDGER PAPER

1486

BACK OF CHANNEL

E MINOR CLARIFICATIONS 15/11/27 RDW STANDARD GANGWAYS NORTH ISLAND DFO-SCH ADD FLASHING OVER HINGES 14/04/09 RDW SLIDER ENGINEERING LTD. MINOR REVISIONS 09/07/10 RDW 2007002 DRAWN BY: _ RDW DESIGN BY: RDW B REVISED FOR SLIDER 09/06/24 RDW 19800 (65') -WIDE-1800 TRANS-HANDRAIL TOP DATE ___12 APR 2007 1833 ROBB AVENUE, COMOX, B.C. 07/08/19 RDW F CHANGED SCALES, MINOR REV. A REVISED GRATING CONNNECTION 16/05/01 RDW DRAWING No. 2007002-1 TEL/FAX (250) 339-2243 SCALE _____1:10 GENERAL ARRANGEMENT FILE No. ____2014003 REVISIONS REVISIONS

STAGGER JOINTS IN DECKING

CL SPLICE

DETAIL $\frac{3}{3}$

PLAN (TOP VIEW) SCALE: 1:80

OUT-TO-OUT OF TOP CHORD 19796 🛕

MC FLOORBEAM

ELEVATION SCALE: 1:80

11 SPACES AT 1524 = 16764

BOLT-ON HANDRAIL EXTENSION
- SIMILAR TO DETAIL 1 10 MM DRAIN HOLES AT= LOW POINTS OF HANDRAILS IN SERVICE. DIAGONALS NOTE: SLIDERS FOR TRANSITION SPAN AND TRACKS FOR MAIN FLAT BAR 10×38 TYP SLIDERS NOT SHOWN FOR CLARITY DETAIL $\frac{2}{3}$ -L51x51x6.4 TYP NOTE: LOWER TRANSITION SPAN NOT SHOWN FOR CLARITY 1486 🛕 BACK OF CHANNEL

GALV. STEEL DIAMOND-GRIP DECKING 51 MM DEEP, 2.66 MM (12-GAUGE), 241 (9 1/2") AND 298 MM (11 3/4") WIDE x 3048 LONG. STAGGER DECKING WIDTHS. BOLT TO FLOOR BEAMS WITH 2 -10MM (3/8") BOLTS/CONTACT/PLANK BOLTS TO BE TIGHTENED TO DEVELOP FRICTION BETWEEN PLANKS AND FLOOR

1795+/-

600

 \triangle

LOWER

TRANSITION SPAN

SEE SHEET 4

PLAN (BOTTOM VIEW)
SCALE: 1:80

NOTES:

HANDRAIL NOT SHOWN FOR CLARITY.
 NOT ALL HIDDEN LINES REMOVED. SEE LOWER END FOR REPRESENTATIVE SAMPLE.

-CONNECT PLANK WEBS

MID-SPAN

C100 POST

NOTE: HANDRAIL NOT SHOWN FOR CLARITY

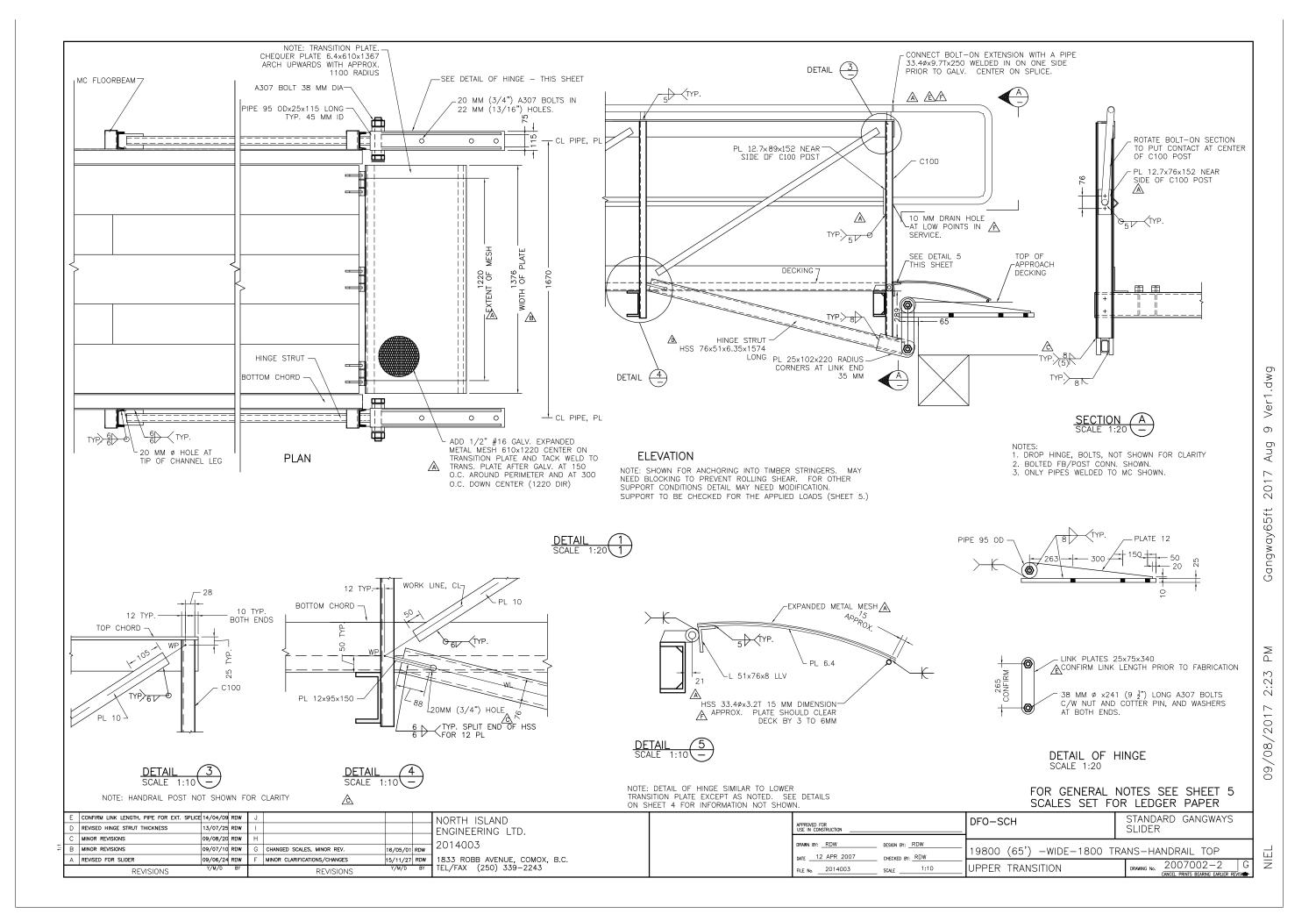
TOP CHORD ANGLE 102x102

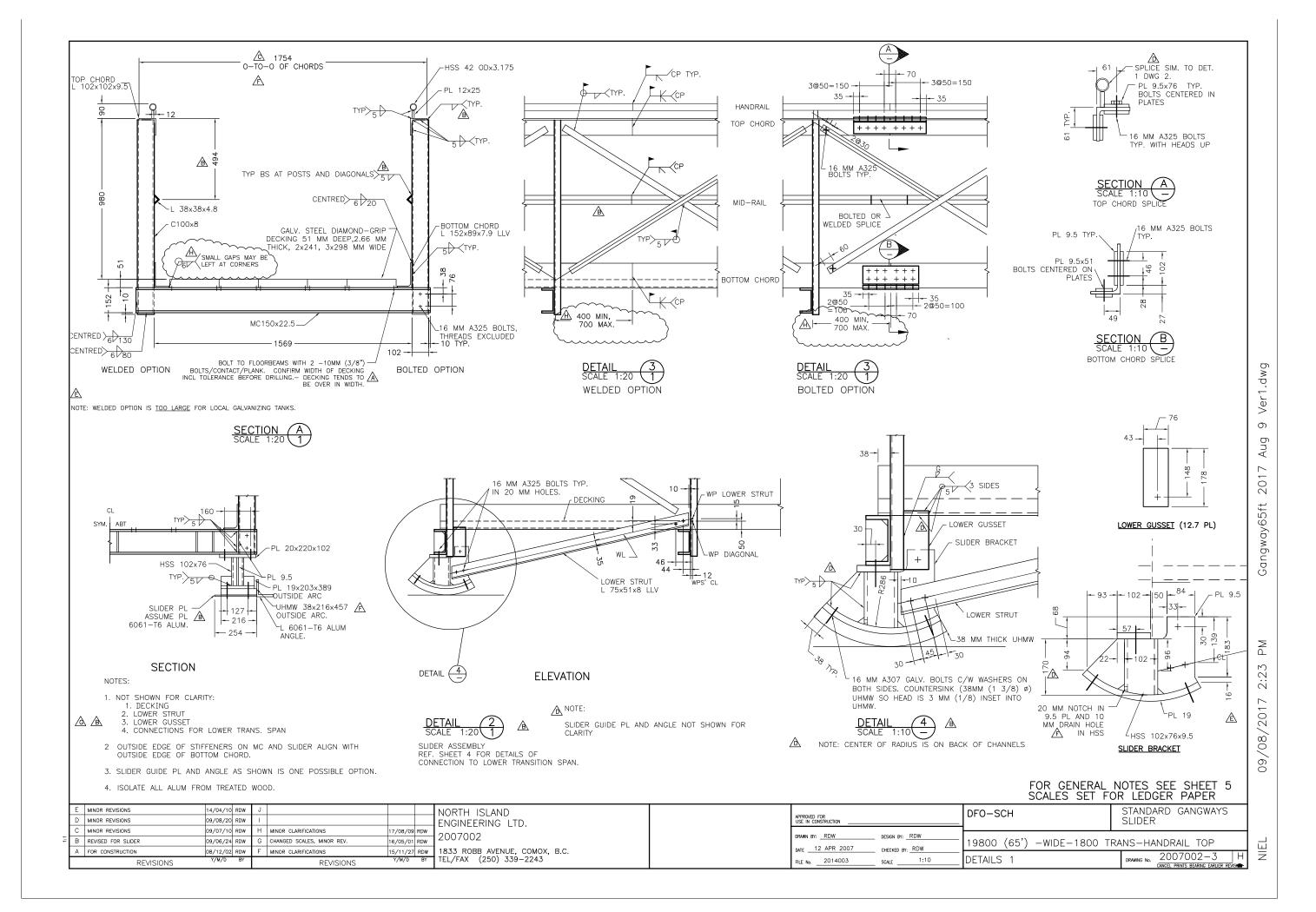
<u>A</u> 11728 +/-

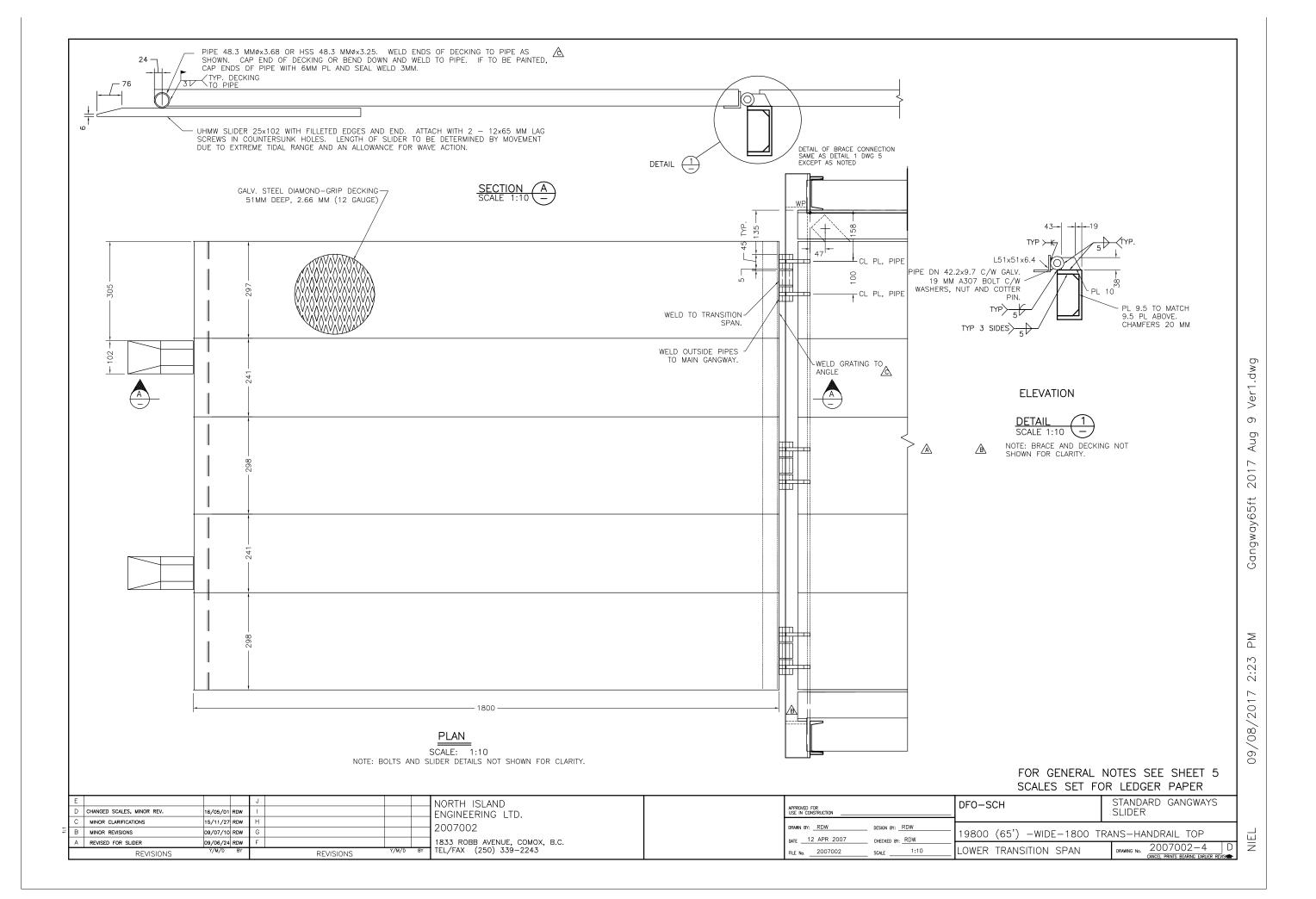
BOTTOM CHORD

ANGLE 152x89 LLV

WITH 1-#12-14 GALV. SHEET METAL SCREW AT







NBC BUILDING CODE 2005, PART 4

EXCEPT LIVE LOAD ONLY 2.4 KPA AND ONLY CONSIDERED LOAD COMBINATION 1.25DL+1.5LL - WCB OCCUPATIONAL HEALTH AND SAFETY REG. 296/97, AMENDED 185/99

CSA STANDARD, S16.1 LIMIT STATES DESIGN OF STEEL STRUCTURES, 2001 - AISC LRFD SPEC. FOR DESIGN OF SINGLE-ANGLE MEMBERS. NOV. 2000

DESIGN LOADS (SERVICE)

DEAD LOAD 2.0 KN/M (TOTAL BOTH SIDES) 0.6 KN/M (TOTAL BOTH SIDES) **SERVICES** 2.4 KPÁ OR 2.2 KN POINT LOÁD LIVE LOAD REVA COEFF. OF FRICTION FOR SLIDER

LATERAL DEFLECTION AT SLIDER TIDAL RANGE

150 MM

8.0 M (9.1M APPROACH TO FLOAT DECK)

ENGINEER SHOULD DETERMINE IF 1. THE LIVE LOAD IS APPLICABLE TO THE PROPOSED SITE— IN SOME CASES, SNOW LOAD MAY BE HIGHER THAN 2.4 KPA.

. DIFFERENTIAL DECK TO DECK ADEQUATE INCL. ALLOW..FOR FLOAT MOTIONS. 3. WHETHER EXTRA PRECAUTIONS REQUIRED FOR WIND LOADS..
4. THE LOWER TRANSITION PLATE DETAIL IS NOT SUITABLE IF THE ANGLE FROM THE

BASED ON PREVIOUS DESIGNS 2004013, 2005006, 2005013

◬

MATERIALS TO CONFORM TO THE FOLLOWING:

ROLLED SECTIONS GRADE 300W, CSA STANDARDS G40.20/G40.21 PLATE GRADE 300W, CSA STANDARDS G40.20/G40.21 GRADE 350W, CLASS C CSA STANDARDS G40.20/G40.21 ASTM A53 TYPE B, MIN. YIELD 241 MPA (33 KSI) PIPE

STEEL FOR SPLICE PLATES NOT TO BE SHEARED ALONG EDGES.

GRATING TO BE DIAMOND-GRIP CHANNEL BY AMICO-ISG OR APPROVED EQUAL

OBTAIN AND PROVIDE THE ENGINEER WITH COPIES OF ALL MILL CERTIFICATES.

BOLTS TO CONFORM AS FOLLOWS:

STEEL CONNECTIONS ASTM A325, TYPE 1, GALV. WOOD/STEEL CONNECTIONS ASTM A307 LINK PLATES

ALL BOLTS TO BE GALVANIZED AND SOURCED FROM A CANADIAN OR AMERICAN FACTORY

WELDING ELECTRODES TO BE E410XX OR E480XX (E60XX OR E70XX) WITH A SILICON CONTENT BELOW 0.35% FOR FABRICATION PRIOR TO GALVANIZING AND E41013 (E6013) IF STEEL GALVANIZED.

A325 BOLTS FOR STEEL CONNECTIONS TO BE SIZED TO EXCLUDE THE THREADS FROM THE SHEAR PLANE AND RESULT IN AT LEAST 1.5 TURNS PROTRUDING FROM THE NUT.

FAYING SURFACES OF BOLTED CONNECTIONS TO BE CLEAN AND FREE OF BURRS, WELD SPLATTER OR OTHER MATERIAL THAT WOULD INTERFERE WITH SOLID BEARING AND/OR FRICTION. HOLES TO BE 2 MM (1/16") LARGER THAN THE BOLT UNO.

A325 BOLTS TO BE TIGHTENED BY THE TURN-OF-NUT METHOD. USE A WASHER UNDER THE TURNED ELEMENT, EXCEPT FOR OVERSIZED HOLES USE A WASHER UNDER BOTH THE HEAD AND NUT. IN ACCORDANCE WITH THE STANDARDS, GALV BOLTS ARE ONLY TO BE TORQUED ONCE. ENSURE GANGWAY IS PROPERLY ALIGNED BEFORE TORQUEING MOST OF THE BOLTS. EXCEPT FOR THOSE ELEMENTS TO BE SHIPPED SEPARATELY TO SITE, WHICH SHOULD ONLY BE SNUG-TIGHT:

1ST FLOORBEAM LOWER STRUT SLIDER ASSEMBLY

REMOVABLE HANDRAIL ASSEMBLY

AT SITE, ALL OF THE BOLTS USED ON THE ABOVE ASSEMBLIES - ONCE INSTALLED AND ALIGNED - TO BE TIGHTENED BY THE TURN-OF-NUT METHOD.

WELDING TO BE IN ACCORDANCE WITH CSA W59, INCLUDING CLAUSE 12. WELDERS TO BE QUALIFIED BY THE CANADIAN WELDING BUREAU.

FILLET WELDS, UNO, TO BE 5 MM (3/16) WELDS. FILLET WELDS LESS THAN OR EQUAL TO 8 MM (5/16) TO BE DONE IN A SINGLE

TOLERANCES AS PER CSA W59 CLAUSE 5.8. - TO BE CHECKED BY THE FABRICATOR

GENERAL NOTES

IMMEDIATELY INFORM THE ENGINEER OF ALL DISCREPANCIES AND PROBLEMS ENCOUNTERED.

AS THIS GANGWAY IS WIDER, IT MAY BE NECESSARY TO PROVIDE SOME FORM OF BARRIER TO PREVENT THE USE BY ALL-TERRAIN VEHICLES.

GREASE ALL PINS WITH LITHIUM EP2 GREASE PRIOR TO ASSEMBLY.

PUT 10MM DRAIN HOLES IN ALL PIPES AND HSS WHERE WATER WOULD COLLECT IN

SEAL ENDS OF ALL PIPES AND HSS. EXCEPT HINGES. THAT ARE PAINTED.

HANDRAILS AND OTHER PARTS OF THE GANGWAY TO BE FREE OF SHARP POINTS AND OTHER DEFECTS THAT WOULD INTERFERE WITH ITS INTENDED USE.

GALVANIZING OF STEEL - ADDITIONAL REQUIREMENTS

ALL STEELS TO BE SUITABLE FOR GALVANIZING WITH A CARBON CONTENT LESS THAN 0.25% C<0.25% A PHOSPHORUS CONTENT LESS THAN 0.04% P<0.04%

A SILICON CONTENT EITHER LESS THAN 0.03% OR BETWEEN 0.15 AND 0.25%, Si<0.03% OR 0.15<Si<0.25%

AND A MANGANESE CONTENT BELOW 1.35%.

LINE OF GANGWAY TO THE TRANS. PLATE EXCEEDS ABOUT 30' INCL. WAVE ACTION. A PRIOR TO FABRICATING REMOVE ALL LACQUER FROM PIPES.

PRIOR TO GALVANIZING THE STEEL IS TO BE CLEANED BY THE FABRICATOR TO REMOVE SURFACE CONTAMINATES, SUCH AS WELDING SLAG, THAT WOULD INTERFERE WITH THE GALVANIZING PROCESS.

STEEL TO BE HOT-DIP GALVANIZED TO CSA STANDARD G164-M1981, WITH THE SPELTER COAT OF AT LEAST 0.61 KG ZINC PER SQUARE METER.

MO PROGRESSIVE DIPPING (DOUBLE DIPPING) IS PERMITTED.

AREAS TO BE WELDED WHICH HAVE BEEN HOT DIPPED GALVANIZED TO BE GROUND

STEEL TO BE HANDLED CAREFULLY TO AVOID DAMAGING THE GALVANIZING. GALVANIZED COATING WHERE DAMAGED AND WELD AREAS TO BE TOUCHED UP WITH 2 COATING OF ZINGA OR APPROVED EQUAL.

TOLERANCES TO BE CHECKED BEFORE AND AFTER GALVANIZING.

PAINTING OF STEEL- ADDITIONAL REQUIREMENTS

PAINTING PREPARATION AND APPLICATON TO BE IN ACCORDANCE WITH DFO-SCH STANDARD PAINT SPECIFICATION. EXCEPT FOR APPLICATION ON FAYING SURFACES WHICH SHOULD BE PAINTED WITH ONE COAT OF AN INORGANIC ZINC RICH PRIMER WITH A MIN. THICKNESS OF 3 MILS. MASK FAYING SURFACES TO PREVENT OTHER PAINTS BEING APPLIED TO THE FAYING SURFACES.

TOP COAT TO BE SAFETY RED.

STEEL TO BE HANDLED CAREFULLY TO AVOID DAMAGING THE PAINT. TOUCH UP DAMAGED PAINT AS PER PAINT SPEC.

HINGE STRUT TO BE SEALED AT BOTH ENDS EXCEPT FOR ONE 10 MM DRAIN HOLE PER END AT LOW POINT

SLIDER REV A

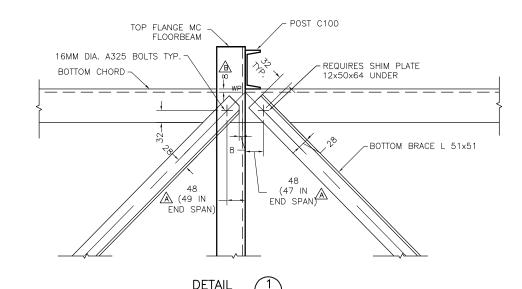
MATERIAL FOR SLIDER TO BE VIRGIN UHMW CONFORMING TO ASTM D 4020, WITH UV STABLIZERS. NOTE: HDPE IS NOT ACCEPTABLE.

THAN 80' C OR 180' F. DRILL HOLES AFTER FORMING TO THE CORRECT RADIUS USING A JIG. ONCE FORMED THE UHMW SHOULD BE KEPT EITHER BOLTED/CLAMPED TO THE SLIDER OR A 2 FT Ø PILE TO RETAIN ITS SHAPE.

SLIDER TRACK REV A

MATERIAL FOR SLIDER TRACK TO BE 6061-T6 ALUMIMUM. ALUMINUM THAT MIGHT CONTACT SALT-TREATED TIMBERS TO HAVE A SUITABLE CAULK OR OTHER APPROVED ISOLATING COMPOUND INSERTED BETWEEN THE ALUMINUM AND THE SALT-TREATED

CONNECTIONS FOR SLIDER TRACK TO BE 316 STAINLESS STEEL OR HOT DIP GALVANIZED TO CSA STANDARD G164.



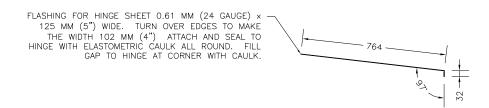
LOWER LATERAL BRACING CONNECTION





NOTES:

- LOAD LIMIT OF 700 LB BASED ON GRATING.
- LOAD LIMIT OF 2000 LB WOULD BE APPROPRIATE FOR THE TRUSSES PROVIDED REST OF RAMP CLEAR OF LOADS
- LOAD PLAQUE TO BE ATTACHED TO VERTICAL AT TOP END.





FLASHING FOR HINGES

SCALES SET FOR LEDGER PAPER

	ADDED HINGE FLASHING NOTE CHANGE HINGE STRUT	14/04/09 RDW 13/07/23 RDW	J				NORTH ISLAND ENGINEERING LTD.	APPROVED FOR USE IN CONSTRUCTION	DFO-SCH	STANDARD GANGWAYS SLIDER
ΞΕ	MINOR REVISIONS REVISED NOTES	09/08/20 RDW 09/07/10 RDW	G		16/05/01	RDW RDW	2007002	DRAWN BY: RDW DESIGN BY: RDW DATE 12 APR 2007 CHECKED BY: RDW	19800 (65') -WIDE-1800 TRANS-HANDRAIL TOP	
É	REVISED FOR SLIDER REVISIONS	09/06/24 RDW Y/M/D BY	-	MINOR CLARIFICATIONS REVISIONS			1833 ROBB AVENUE, COMOX, B.C. TEL/FAX (250) 339–2243	Site Site Site Site Site Site Site Site	GENERAL NOTES	DRAWING No. 2007002—5 H CANCEL PRINTS BEARING EARLIER REVISH

₽. 0 Au 201 ngway65ft Gai

ā 2 \ddot{S} 201 /80/ 60

 \equiv