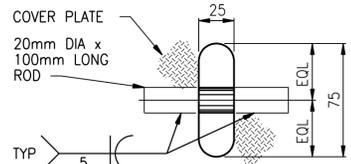


OPENING SPAN LENGTH 'L'	STIFFENER SIZE	MAX STIFFENER SPACING	MAX PLATE WIDTH 'W'
L<750	NONE	-	1500
750<L<1050	L51x38x6.4	450	1200
1050<L<1200	L64x38x6.4	450	1200
1200<L<1350	L64x38x6.4	375	1200
1350<L<1500	L76x51x6.4	450	1200
1500<L<1650	L76x51x6.4	375	900
1650<L<1800	L89x64x6.4	450	900
1800<L<1950	L89x64x6.4	375	750
1950<L<2100	L102x76x6.4	375	750
2100<L<2250	L102x76x6.4	300	600

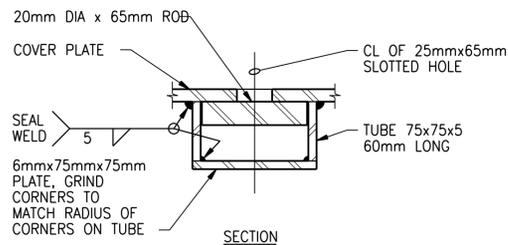
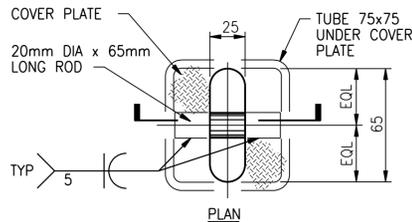
- NOTES:
1. STIFFENERS TO BE PLACED LONG LEG VERTICAL.
 2. SPAN DIRECTION OF PLATE TO BE PARALLEL TO STIFFENERS, AND SHALL BE SHORT DIMENSION OF OPENING UNLESS NOTED OTHERWISE ON PLANS.
 3. MAXIMUM ALLOWABLE UNIFORM DESIGN LOAD = 15 kPa.
 4. MAXIMUM WEIGHT OF COVER PLATE TO BE 55 kg.
 5. COVER PLATES AND STIFFENERS ARE ALUMINUM PLATES AND ANGLES.
 6. ALL COVER PLATES TO HAVE A MINIMUM OF TWO EYES AS SHOWN IN LIFTING EYE DETAILS, EXCEPT AT COVER PLATES ABOVE STOP LOGS OR GATES.

COVER STIFFENERS



NOTE: THIS DETAIL IS APPLICABLE TO TYPES "A" AND "B" COVERS AND OTHER COVERS NOT INTENDED TO BE AIRTIGHT.

LIFTING EYE TYPE "A"



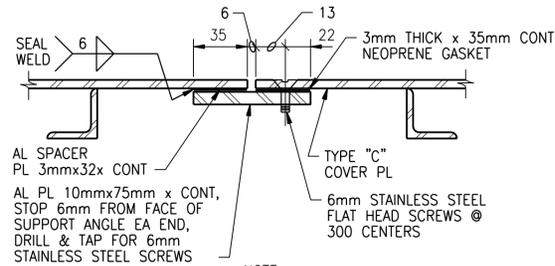
NOTE: THE DETAIL IS APPLICABLE TO TYPE "C" COVERS AND OTHER AIR TIGHT COVERS.

LIFTING EYE TYPE "B"

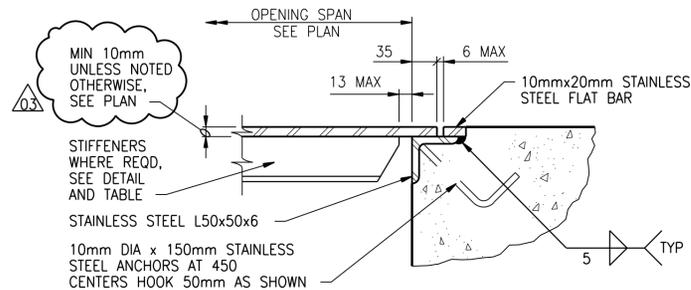
CHECKERED FLOOR PLATE - ALUMINUM

NTS

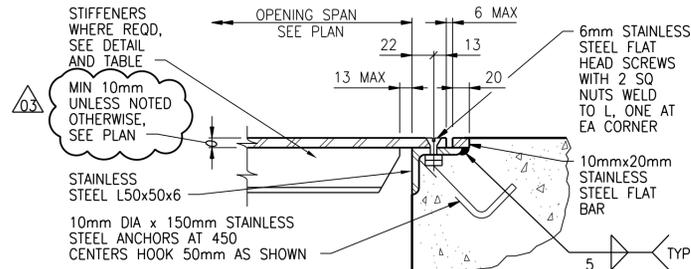
0554-001



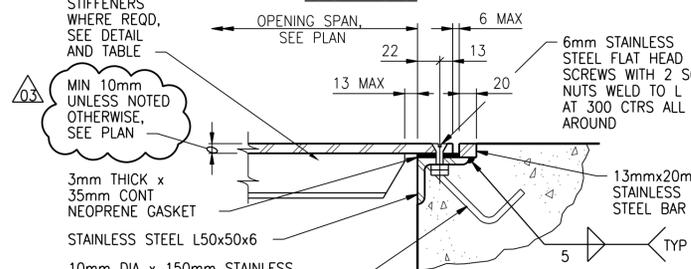
NOTE: THIS DETAIL APPLIES AT TYPE "C" COVERS AND OTHER AIRTIGHT COVERS.



COVER TYPE "A"

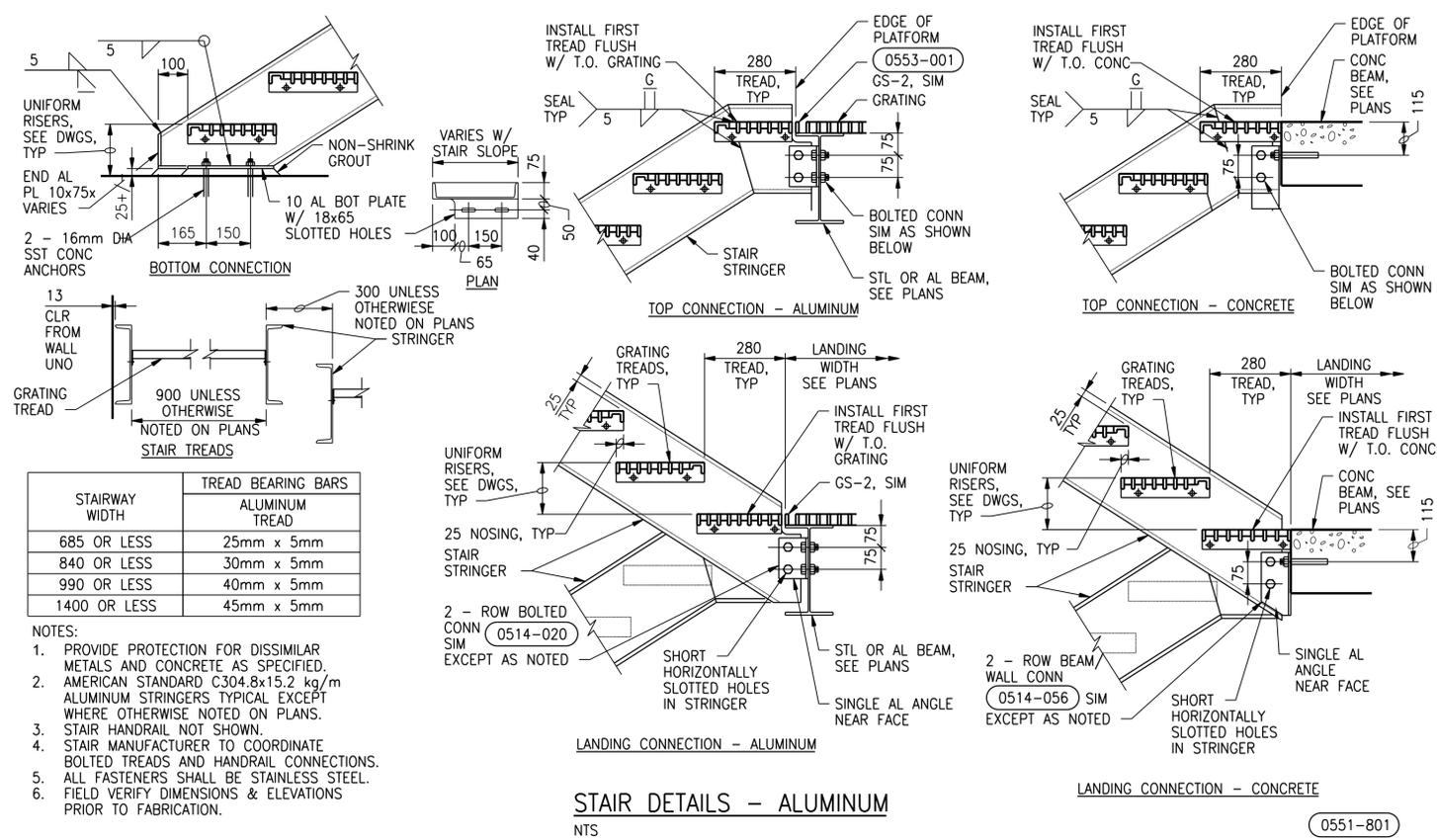


COVER TYPE "B"



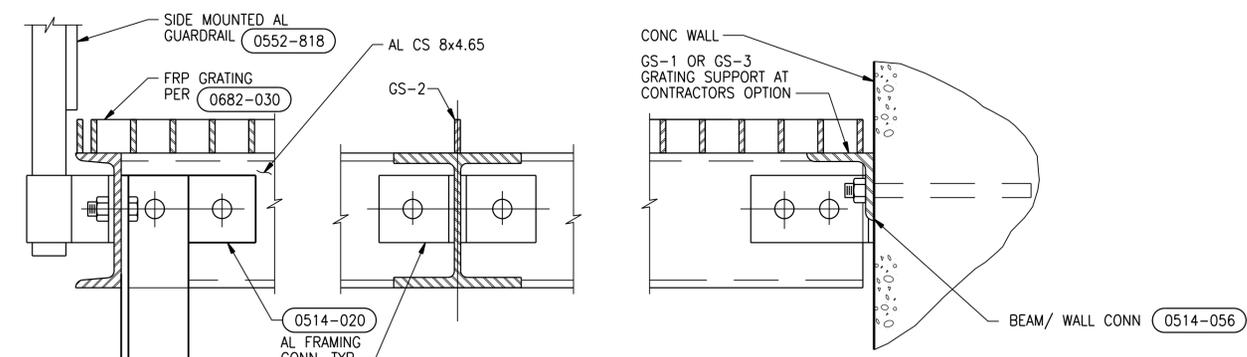
COVER TYPE "C"

NOTE: THIS DETAIL APPLIES AT OPENINGS THAT REQUIRE AIR TIGHT COVERS.



STAIRWAY WIDTH	TREAD BEARING BARS	
	ALUMINUM TREAD	
685 OR LESS	25mm x 5mm	
840 OR LESS	30mm x 5mm	
990 OR LESS	40mm x 5mm	
1400 OR LESS	45mm x 5mm	

- NOTES:
1. PROVIDE PROTECTION FOR DISSIMILAR METALS AND CONCRETE AS SPECIFIED.
 2. AMERICAN STANDARD C304.8x15.2 kg/m ALUMINUM STRINGERS TYPICAL EXCEPT WHERE OTHERWISE NOTED ON PLANS.
 3. STAIR HANDRAIL NOT SHOWN.
 4. STAIR MANUFACTURER TO COORDINATE BOLTED TREADS AND HANDRAIL CONNECTIONS.
 5. ALL FASTENERS SHALL BE STAINLESS STEEL.
 6. FIELD VERIFY DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.



- EQUIPMENT PLATFORM NOTES:
1. PROVIDE PROTECTION FOR DISSIMILAR MATERIALS AS SPECIFIED.
 2. REFER TO SPECIFICATION SECTION 05500 FOR ADDITIONAL REQUIREMENTS AND SUBMITTAL INFORMATION.
 3. PROVIDE DIAGONAL BRACING AS INDICATED.
 4. ALL BOLTED CONNECTIONS SHALL BE 2 - BOLT MINIMUM.

TYPICAL EQUIPMENT PLATFORM - ALUMINUM

NTS

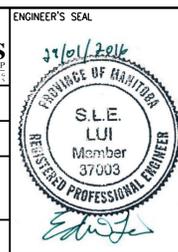
0551-201



NO.	REVISIONS	DATE	DESIGN	CHECK
02	ISSUED FOR TENDER - B.O. 899-2015	01/2016	G.O. J.C.	
01	ISSUED FOR CONSTRUCTION	10/2015	G.O. J.C.	
00	ISSUED FOR TENDER	08/2015	G.O. J.C.	

CH2MHILL
SNC-LAVALIN
DESIGNED BY: J. THANNICKAL
DRAWN BY: G. OMORI
SCALE: NTS
DATE: 2015/08/13
CONSULTANT NO.: 474248

KCS GROUP
CHECKED BY: E. LUI
APPROVED BY: H.T. FREIHAMMER
ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2016/00/09



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPC UPGRADING/EXPANSION PROJECT
STRUCTURAL
STANDARD DETAILS (10)

CITY DRAWING NUMBER: 1-0102-SDTL-A011
SHEET: 02
REV: A1
SIZE: A1