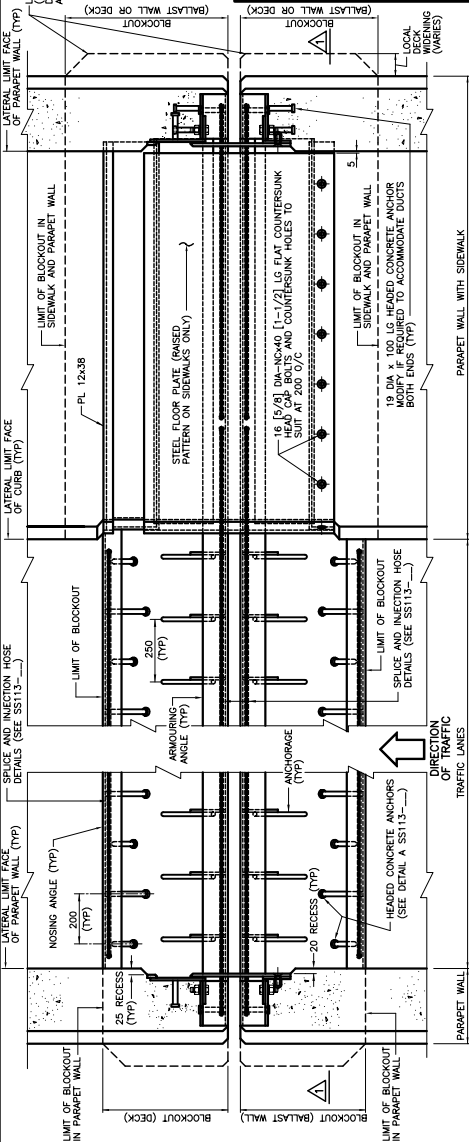


CONT No	WP No	SHEET
STRIP SEAL EXPANSION JOINT ASSEMBLY FOR PARAPET WALLS		

METRIC
DIMENSIONS ARE IN METRES
AND/OR MILLIMETRES
UNLESS OTHERWISE SHOWN

LIMITS OF LOCAL WELDING WHEN REQUIRED (BASED ON SKEN AND Ψ) FOR DETAILS, SEE SS113-14, INSTEAD OF THIS STANDARD. AND ABUTMENT DRAWING(S).



SKEN	Ψ (mm)	0	100	180
$0 < \Psi \leq 5$	0	0	0	100
$\Psi > 5$	0	0	90	180

CROSSFALL	WITH CROWN	WITHOUT CROWN
WITHOUT SIDEWALK	$\leq 2\%$	100
WITH SIDEWALK	$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

WITHOUT SIDEWALK	WITH SIDEWALK
$\leq 2\%$	100
$> 2\%$	160

- NOTES:
- EXPANSION JOINT SHALL BE IN ACCORDANCE WITH THE DESIGNATED SOURCES FOR MATERIALS LIST DSM 9.40. TYPE "A", DETAILS SHOWN FOR OTHER TYPES ARE NOT APPLICABLE.
 - EXPANSION JOINT ASSEMBLY CONSTRUCTION AND MATERIAL SHALL BE ACCORDING TO OPS 920 AND OPS 1210, AND AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 - STEEL PLATE 10mm THICK UNLESS OTHERWISE NOTED.
 - WELDING ELECTRODES SHALL BE OF A LOW HYDROGEN CLASSIFICATION.
 - JOINT ASSEMBLY SHALL BE COMPLETELY SHIP-ASSEMBLED (EXCEPT FOR SEALS) AND PRESET FOR INSTALLATION IN THE FIELD.
 - JOINT ASSEMBLY INSTALLATION IN THE FIELD SHALL BE TAKEN AS A LOW HYDROGEN CLASSIFICATION.
 - FOR CONCRETE STRUCTURES PRIOR TO JOINT INSTALLATION AS FOLLOWS:
 - FOR CONCRETE STRUCTURES - 48 HOURS
 - FOR STEEL STRUCTURES - 24 HOURS
 - FIELD SPLICES IN JOINT ASSEMBLY ARE ONLY PERMITTED AT STAGED CONSTRUCTION, AND/OR AS SHOWN ON THE CONTRACT DRAWINGS.
 - JOINT ASSEMBLY SHALL BE INSTALLED FOR A MINIMUM OF 7 DAYS, THE SETTING DRIVES MAY BE REMOVED, THE JOINTS UNDER THE ARMOURING ANGLE AND NOSING ANGLE SHALL THEN BE PREPARED SEALS.
 - ALL JOINT STRUCTURES SHALL HAVE MINIMUM THICKNESS OF 5mm OR AS PER DSM.
 - ALL STEEL RETAINER SURFACES COMING IN CONTACT WITH PREFORMED SEAL SHALL BE CLEANED PRIOR TO INSTALLATION OF THE SEAL.
 - PREFORMED SEALS SHALL BE INSTALLED AFTER JOINT ASSEMBLY HAS BEEN CAST IN PLACE, STYROFOAM OR FILLER BETWEEN DECK AND BALUST WALL REMOVED, AND EXPANSION GAP CLEARED OF ANY DEBRIS.
 - FOR POST-TENSIONED CONCRETE BRIDGES, JOINT ASSEMBLY SHALL NOT BE INSTALLED UNTIL AT LEAST 28 DAYS AFTER COMPLETION OF POST-TENSIONING OPERATIONS.
 - ALL JOINT STRUCTURES SHALL BE PROVIDED WITH SLOPING PLATES. PLATE THICKNESS AND ANCHORING OF STRUCTURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - FOR SKED STRUCTURE, WORKING DRAWINGS SHALL BE DETAILED TO SUIT GEOMETRY OF STRUCTURE.
 - ALL JOINT STRUCTURES SHALL BE DETAILED ON WORKING DRAWINGS PERPENDICULAR TO THE EXPANSION JOINT ON BOTH THE DECK SIDE AND THE ABUTMENT SIDE EXCEPT AS FOLLOWS:
 - FOR SKED STRUCTURE, WORKING DRAWINGS SHALL BE DETAILED TO SUIT GEOMETRY OF STRUCTURE.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING SS113-12 OR SS113-13.
 - LEGEND: [] DENOTES FASTENER SIZE IN INCHES.

- ADDITIONAL NOTES FOR SS113-15:
- 19 [3/4] DIAMETER BOLTS SHALL BE IN ACCORDANCE WITH ASTM A325. ALL BOLTS USED IN 25 DIA. x 50 LONG SLOTTED HOLES SHALL BE INSTALLED WITH OVERSIZE WASHERS.
 - 16 [5/8] DIAMETER FLAT COUNTERSUNK HEAD CAP BOLTS SHALL BE IN ACCORDANCE WITH ASTM F835.
 - CLAMPING BAR BOLTS FOR TYPE "A" JOINTS SHALL BE EITHER 19 [3/4] DIAMETER FLAT COUNTERSUNK HEAD CAP BOLTS TENSIONED TO 140kN AND IN ACCORDANCE WITH ASTM F835, OR 19 [3/4] DIAMETER HEX HEAD BOLTS TENSIONED TO 125kN AND IN ACCORDANCE WITH ASTM A325.
 - ALL BOLTS SHALL BE INSTALLED USING MOLYBDO LUBRICANT.
 - ALL BOLTS SHALL BE TENSIONED USING THE TURN-OF-NUT TIGHTENING METHOD IN ACCORDANCE WITH CAN/CSA S16.1.

REFER TO 1.1.8 IN THE STRUCTURAL MANUAL FOR PROFESSIONAL ENGINEER STAMPING REQUIREMENTS.

DRAWING NOT TO BE SEALED
100 mm ON ORIGINAL DRAWING

DESIGN DATE BY CHK CODE CHECK-20 LOAD DATE
DRAWN DATE

SS113-15
STRIP SEAL EXPANSION JOINT ASSEMBLY
FOR PARAPET WALLS

STANDARD DRAWING
APRIL 2008

SS113-15
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