

CONT No WP No	
STRIP SEAL EXPANSION JOINT ASSEMBLY FOR BARRIER WALLS - WITH DRAINAGE SYSTEM	SHEET

1. EXPANSION JOINT SHALL BE IN ACCORDANCE WITH THE DESIGNATED SOURCES FOR MATERIALS LISTED IN ITEM 1.1.1. TYPE "A" DETAILS SHOWN FOR OTHER TYPES ARE NOT APPLICABLE.
2. EXPANSION JOINT ASSEMBLY CONSTRUCTION AND MATERIAL SHALL BE ACCORDING TO AISC 360, PART 10, AND AISC 358, PART 10, AND AS SPECIFIED IN THE CONTRACT DOCUMENTS.
3. STEEL PLATE 10mm THICK UNLESS OTHERWISE NOTED.
4. WELDING ELECTRODES SHALL BE OF A LOW HYDROGEN CLASSIFICATION.
5. JOINT ASSEMBLIES SHALL BE COMPLETELY SHOP ASSEMBLED (EXCEPT FOR SEALS) AND PREPARED TO DIMENSION 7' BY 15' C AND ADJUSTED IN THE FIELD TO SUIT INSTALLATION TEMPERATURE.
6. JOINT ASSEMBLY INSTALLATION TEMPERATURE SHALL BE TAKEN AS MEAN SHADE AIR TEMPERATURE. INSTALLATION SHALL BE COMPLETED WITHIN THE FOLLOWING:
 - a. FOR STEEL STRUCTURES - 48 HOURS
 - b. FOR CONCRETE STRUCTURES - 48 HOURS
 - c. FOR FIELD STRUCTURES - 24 HOURS
7. JOINT ASSEMBLY CONSTRUCTION SHALL BE ONLY PERMITTED AT STAGED CONSTRUCTION, AND/OR FIELD REPAIRS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1. IF DRAINAGE SYSTEM FOR EXPANSION JOINTS IS NOT REQUIRED, THE DESIGNER SHALL USE STANDARD DRAWING SS113-10, INSTEAD OF THIS STANDARD DRAWING.
2. FOR SKewed BRIDGES, A PLAN AND PROFILE OF THE EXPANSION JOINT(S) SHALL BE DETAILD ON THIS DRAWING SHOWING CROSSFALLS, BREAKPOINTS AND RELEVANT DIMENSIONS.
3. THE 'NOTES TO DESIGNER' SHALL BE DELETED FROM THIS DRAWING PRIOR TO ISSUING OF CONTRACT.

[illegible]

CONCRETE ANCHORS

- 25 DIA. x 60 LG. SLOTTED HOLE TO SUIT A325 BOLT
- 8"
- PL 10 (TYP)
- 19 DIA. x 100 LG HEADED CONCRETE ANCHOR

TOP ASSEMBLY

- 25 DIA. x 60 LG. SLOTTED HOLE TO SUIT A325 BOLT
- 19 DIA. x 60 LG. SLOTTED HOLE TO SUIT 1/4" DIA. BOLT @ 6" ON CENTER
- REF.
- VERTICAL PLATE
- PL 10 THICK
- 19 DIA. x 60 LG. SLOTTED HOLES • 100% C.C. MAX TO SUIT
- SPACING: 19 [5/4] DIA. & 60 [2-7/8] LG. ASTM A325 BOLTS, EQ. SPACED
- 6-19 DIA. x 100 LG. HEADED CONCRETE ANCHORS EQ. SPACED
- REF.
- TOP OF PLATE
- PL 10 THICK

[illegible]

DRAWING NOT TO BE SCALED 100 mm ON ORIGINAL DRAWINGS		DESIGN		DESCRIPTION	
CHK	CODE	CHBDC-00	CL	625-ONT	DATE
DRAWN	SITE				DWG
REVISION					
PROFESSIONAL ENGINEER STAMPING REQUIREMENTS.					

19. [3/4] DIAMETER BOLTS SHALL BE IN ACCORDANCE WITH ASTM A325. ALL BOLTS USED IN 25 DIA. WAXER SLOTTED HOLES SHALL BE INSTALLED WITH OVERSIZE WASHERS.
20. [5/8] DIAMETER FLAT COUNTERSUNK HEAD CAP BOLTS SHALL BE IN ACCORDANCE WITH ASTM A325.
21. CLAMPING BAR BOLTS FOR TYPE 'A' JOINTS SHALL BE EITHER 19 [3/4] DIAMETER FLAT COUNTERSUNK HEAD CAP BOLTS TENSIONED TO 14000 AND IN ACCORDANCE WITH ASTM A325, OR 19 [3/4] DIAMETER TYPE 304 STAINLESS STEEL BOLTS TENSIONED TO 12500 AND IN ACCORDANCE WITH ASTM A325.
22. ALL BOLTS SHALL BE INSTALLED USING MOLYBDENE TOUGHENED LUBRICANT.
23. ALL BOLTS SHALL BE TENSIONED USING THE TURN-OF-NUT TIGHTENING METHOD IN ACCORDANCE WITH CAN/CSA S16.1.