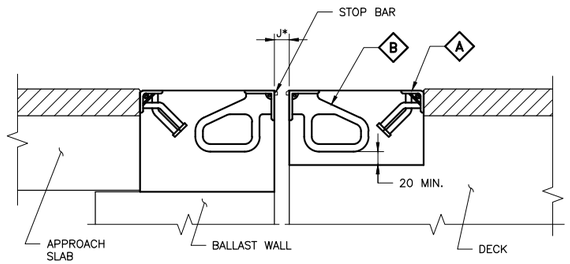
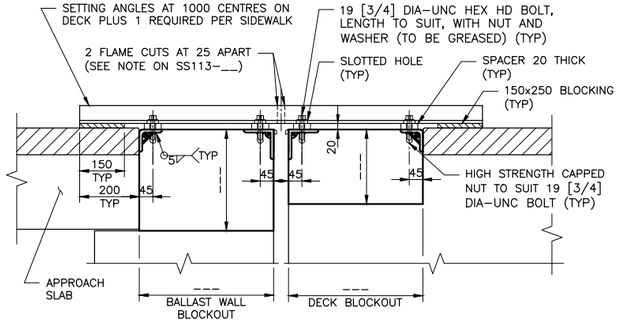
MINISTRY OF TRANSPORTATION, ONTARIO ANSI-D 2017-08



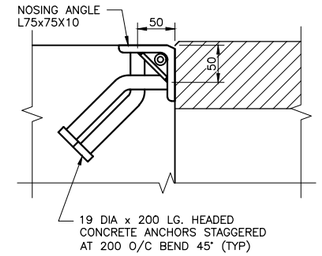


2 (SEE DWGS. SS113–___)

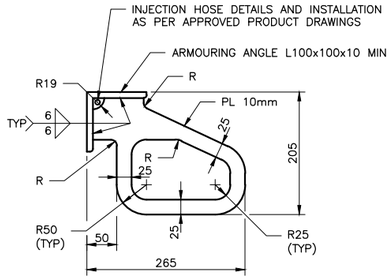
(EXPANSION JOINT SEAL NOT SHOWN)

SETTING DEVICE AND BLOCKOUTS

SCALE 1:10

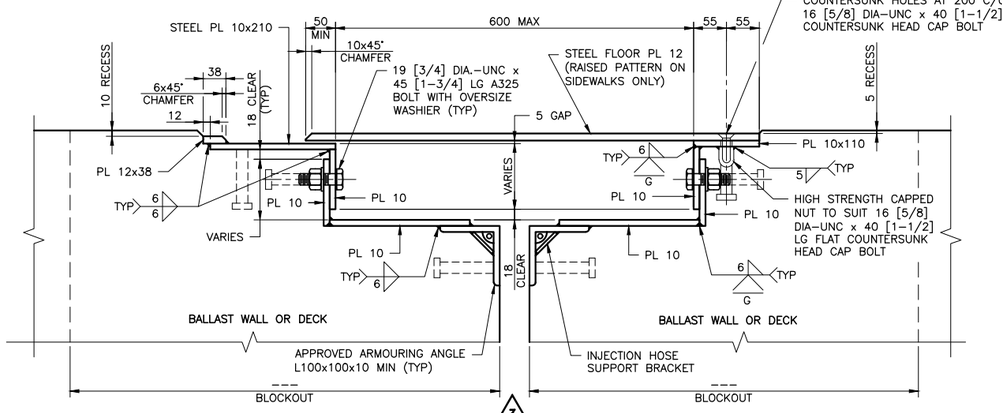


A DETAIL
SCALE 1:4



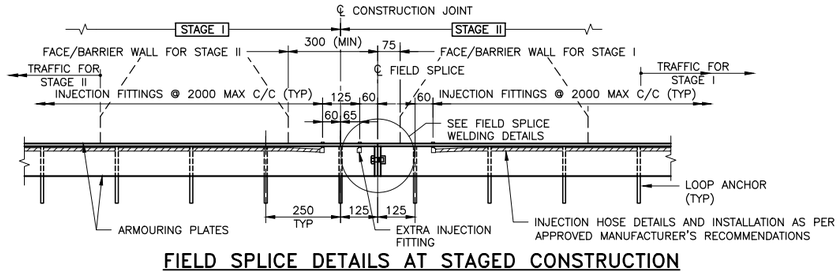
B DETAIL
SCALE 1:5

DIRECTION OF TRAFFIC



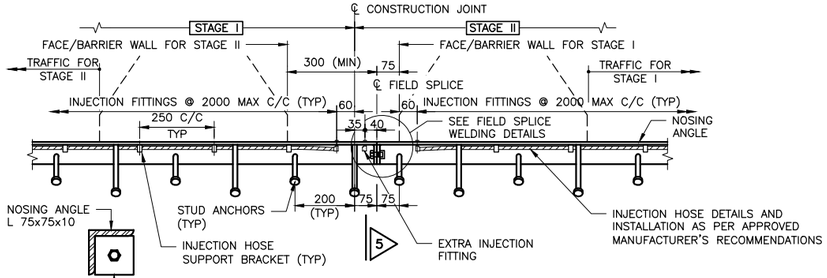
3 (SEE DWGS. SS113–___)

(STOP BARS AND RETAINER PLATES NOT SHOWN FOR CLARITY)



FIELD SPLICE DETAILS AT STAGED CONSTRUCTION FOR ARMOURING ANGLE

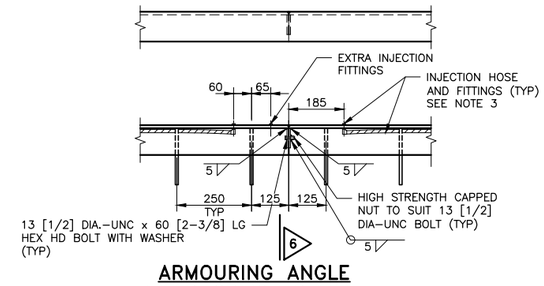
SCALE 1:10



5 N.T.S

FIELD SPLICE DETAILS AT STAGED CONSTRUCTION FOR NOSING ANGLE

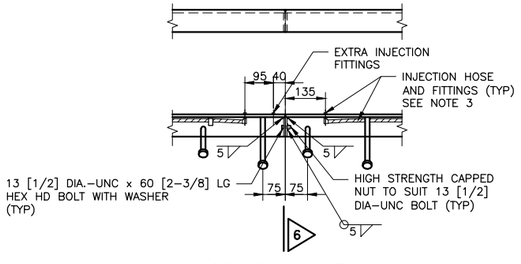
SCALE 1:10



6

ARMOURING ANGLE FIELD SPLICE DETAIL

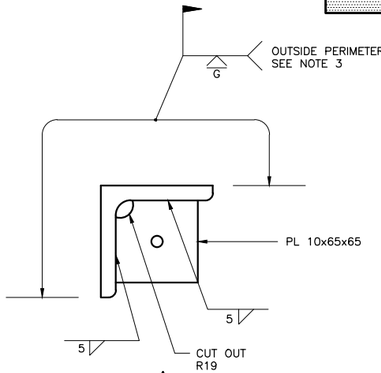
SCALE 1:10



6

NOSING ANGLE FIELD SPLICE DETAIL

SCALE 1:10



6 N.T.S

METRIC

DIMENSIONS ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE SHOWN

DRAWING NOT TO BE SCALED

100mm ON ORIGINAL DRAWING

Ontario Ministry of Transportation

CONT

WP

SHEET

STRIP SEAL EXPANSION JOINT ASSEMBLY FOR BARRIER WALLS –WITH DRAINAGE SYSTEM

NOTES:

1. FOR DETAILS OF REINFORCING IN EXPANSION JOINT BLOCKOUT, SEE DECK AND ABUTMENT REINFORCING DRAWINGS.
2. HEADED CONCRETE ANCHORS IN NOSING ANGLES SHALL BE LOCATED WITHIN 75mm OF EITHER SIDE OF FIELD SPLICES.
3. PROTECT INJECTION HOSE AND FITTINGS ADJACENT TO FIELD SPLICE DURING WELDING AND REMOVE PROTECTION PRIOR TO PLACING OF CONCRETE IN BLOCKOUT.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING SS113–___, AND MTOD 3950.2000.
5. LEGEND:
   [ ] – DENOTES FASTENER SIZE IN INCHES.

TABLE OF DESIGN REQUIREMENTS (TO BE FULLY COMPLETED BY DESIGNER)

EXP. JOINT LOCATION	MTO GAP ** RATING (mm)		DESIGN *** MOVEMENT	* "J" AT INSTALLATION TEMPERATURE (C) (mm)							
	MIN	MAX		–5°	0°	5°	10°	15°	20°	25°	30°

* DIMENSION 'J' MEASURED PERPENDICULAR TO CENTRELINE EXPANSION JOINT. WHERE MIN. AND MAX. FOR JOINT SUPPLIED DIFFER FROM THOSE SHOWN IN TABLE, 'J' DIMENSIONS SHALL BE REVISED BY CONTRACTOR AND SHOWN ON SHOP DRAWINGS. FOR STAGED CONTRUCTION ON STRUCTURES OTHER THAN POST–TENSIONED, THE CONTRACTOR SHALL USE THE FIRST STAGE OBSERVED 'J' GAP TO INSTALL THE SECOND STAGE.

** MTO GAP, MEASURED BETWEEN PROJECTING FACES OF STOP BARS, IS TAKEN FROM DSM 9.40.27, TYPE "C".

*** CALCULATED TOTAL MOVEMENT AT SLS OCCURRING AFTER TIME OF JOINT INSTALLATION. (MEASURED PARALLEL TO CENTRELINE OF STRUCTURE)

NOTES TO DESIGNER:

1. EXPANSION JOINT BLOCKOUT DIMENSIONS, (mm) SHALL BE AS FOLLOWS.

LOCATION	TYPE	BLOCKOUT	BALLAST WALL SIDE	DECK SIDE
BARRIER/PARAPET WALL	NEW	WIDTH	500	500
		DEPTH	335	230
	REHAB.	WIDTH	300 MIN.	300 MIN.
		DEPTH	250 MIN.	230
TRAFFIC LANES	NEW	WIDTH	500	500
		DEPTH	335	250
	REHAB.	WIDTH	300 MIN.	300 MIN.
		DEPTH	250 MIN.	230
BARRIER/PARAPET WALL WITH SIDEWALK	NEW & REHAB.	WIDTH	550	650
		DEPTH	VARIES	VARIES

2. USING THE ABOVE TABLE, THE DESIGNER SHALL FILL IN THE BLOCKOUT DIMENSIONS ON THIS DRAWING. THESE DIMENSIONS SHALL ALSO BE SHOWN ON THE CONTRACT DRAWINGS FOR DECK DETAILS AND ABUTMENT DETAILS.
3. THE 'NOTES TO DESIGNER' SHALL BE DELETED FROM THIS DRAWING PRIOR TO ISSUING OF THE CONTRACT.

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

STANDARD DRAWING APRIL 2022	SS113–13
STRIP SEAL EXPANSION JOINT – TYPE "C" DETAILS	

REVISIONS			
	DATE	BY	DESCRIPTION

DESIGN	CHK	CODE	–	LOAD	–	DATE
DRAWN	CHK	SITE				DWG

FILE NAME: C:\Users\WongMo2\OneDrive - Government of Ontario\Desktop\Chris\SS113\S113-13\S113-13-M.dwg
MODIFIED: 2022-04-20 11:44