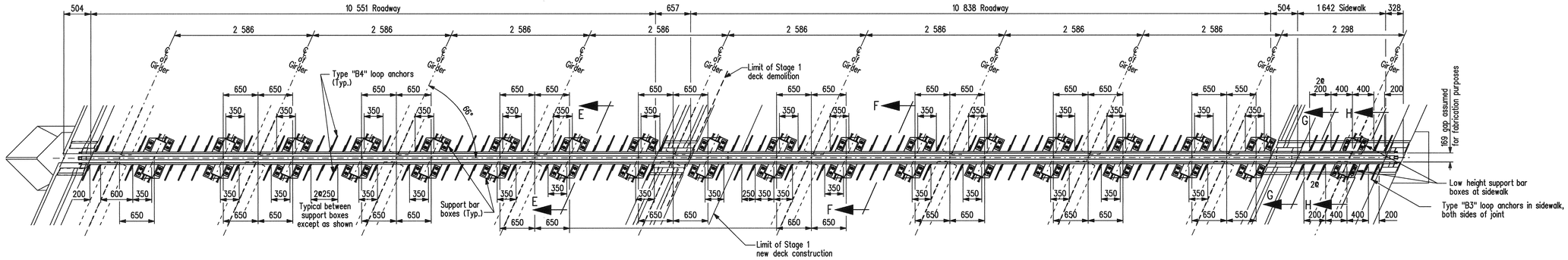
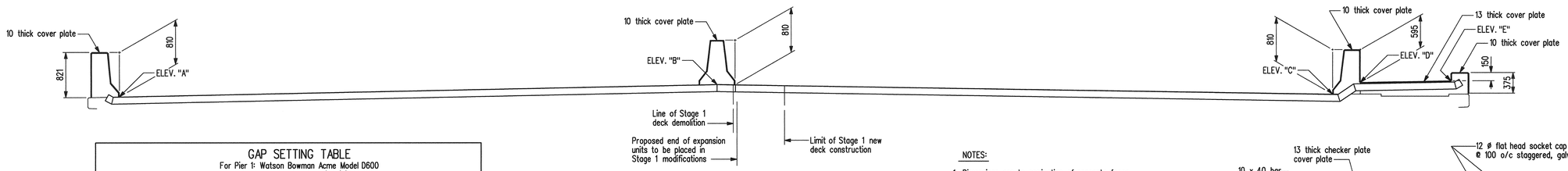


PLAN OF PIER 1

NOTES:

1. Cover plates at barriers, sidewalks and curbs not shown for clarity.
2. MTS ducts in sidewalk not shown.
3. Electrical conduit not shown.



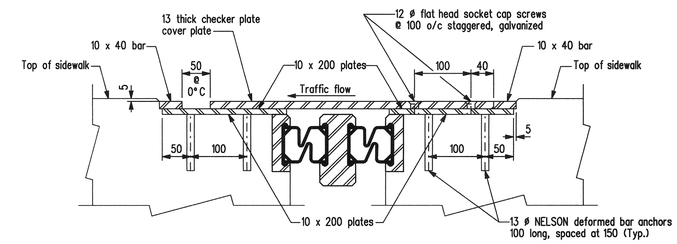
PIER 1 ELEVATION

NOTES:

1. Dimensions are to projection of concrete faces along ℄ of expansion joints.
2. For DECK ELEVATION TABLE see Sheet No. 84.

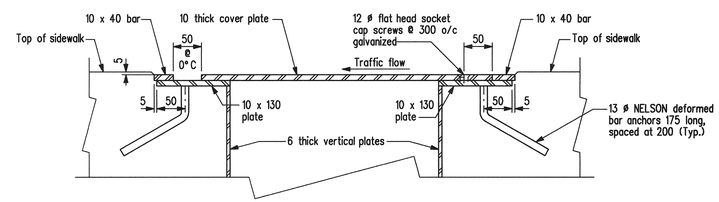
GAP SETTING TABLE
For Pier 1: Watson Bowman Acme Model D600 modular box seal expansion joint

Temperature (°C)	-40	0	+5	+10	+20	+30	40
Dimension "A" (mm)	213	169	164	159	148	137	126



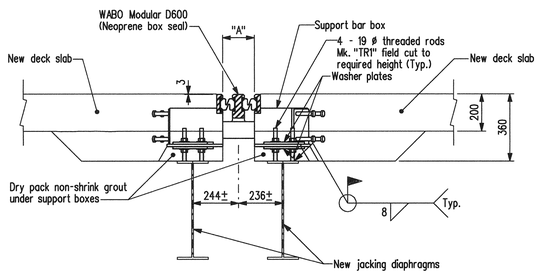
SIDEWALK COVER PLATE ARRANGEMENT

Showing sidewalk cover plate at Pier 1
Pier 4, North abutment and South abutment similar
Scale 1 : 5



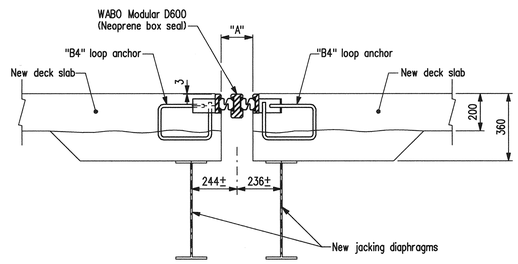
COVER PLATE ARRANGEMENT AT BARRIERS AND CURB

Showing cover plate at abutments and piers
Scale 1 : 5



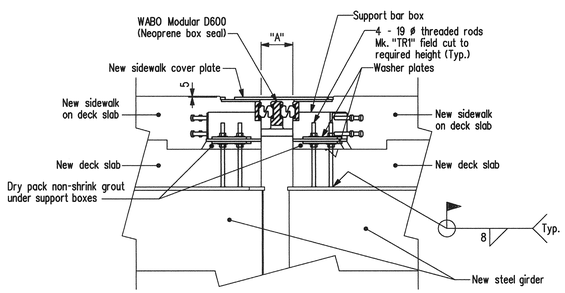
SECTION E-E

Showing expansion unit support boxes in roadway at Pier 1.
Scale 1 : 15



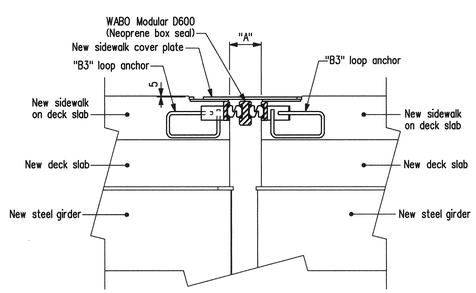
SECTION F-F

Showing expansion unit loop anchors in roadway at Pier 1.
Scale 1 : 15



SECTION G-G

Showing expansion unit low height support boxes in sidewalk at Pier 1.
Scale 1 : 15



SECTION H-H

Showing expansion unit loop anchors in sidewalk at Pier 1.
Scale 1 : 15

REVISIONS		
DATE	BY	DESCRIPTION

PROVINCE OF MANITOBA — Mar 15/10 — S.S RIHAL — REGISTERED PROFESSIONAL ENGINEER

EXPANSION JOINT DETAILS

RECONSTRUCTION AND STRENGTHENING OF EXISTING BRIDGE
OVER ASSINIBOINE RIVER - CONTRACT THREE
ON P.T.H. No. 100 IN R.L.'S 72, 73 & 94
PARISH OF ST. CHARLES

CITY OF WINNIPEG

Manitoba Infrastructure and Transportation
Water Control & Structures

DESIGN	BY: M.B.C.	
	CHECKED: S.S.R.	
DETAILS	BY: D.P.W.	
	CHECKED: S.S.R./J.J.	

RELEASED FOR CONSTRUCTION BY:
Ruth Eden — March 15/10
DIRECTOR — DATE
STRUCTURES DESIGN AND CONSTRUCTION BRANCH

SCALE: 1 : 40 or As Shown
SHEET No. 92
SITE No. 2924-00

...\292400contract3rehab.dgn 2010-03-12 2:46:23 PM