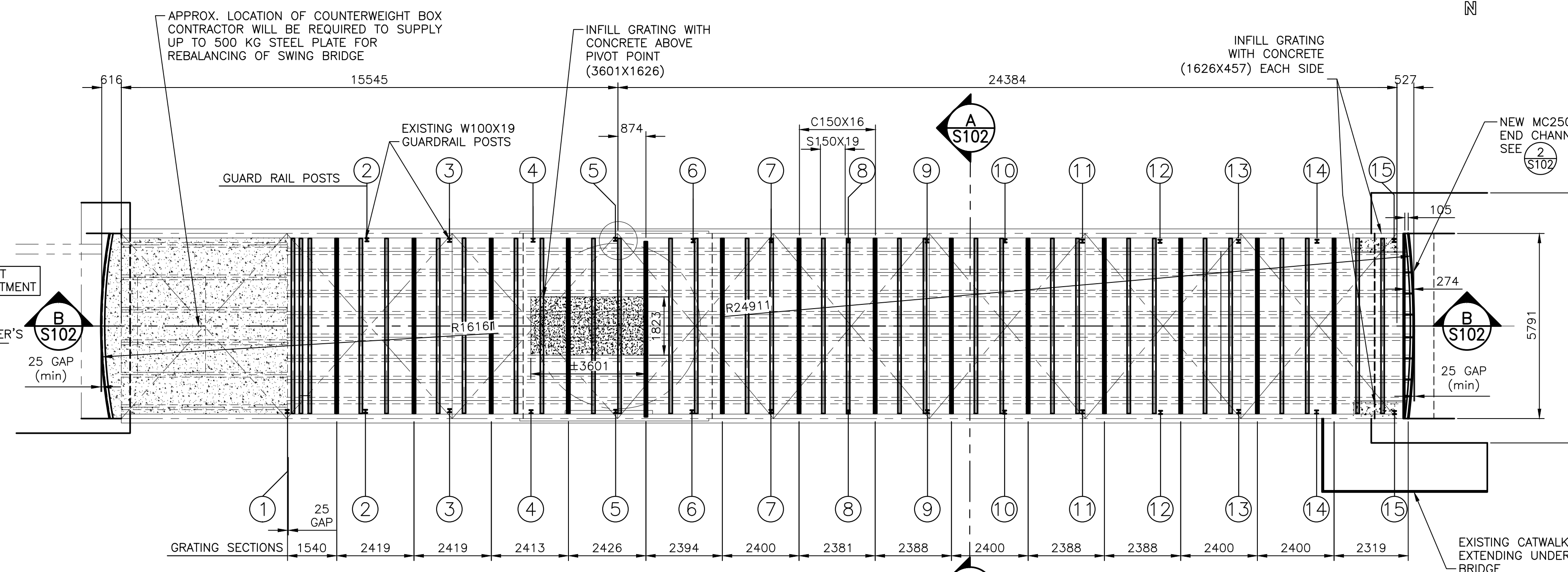


NOTES:
 1. BRIDGE TRUSS & RAILINGS NOT SHOWN FOR CLARITY.
 2. PEDESTRIAN SIDEWALK NOT SHOWN FOR CLARITY. SIDEWALK DECK IS TO REMAIN AS IS AND SHALL REMAIN OPEN FOR PUBLIC USAGE DURING CONSTRUCTION.



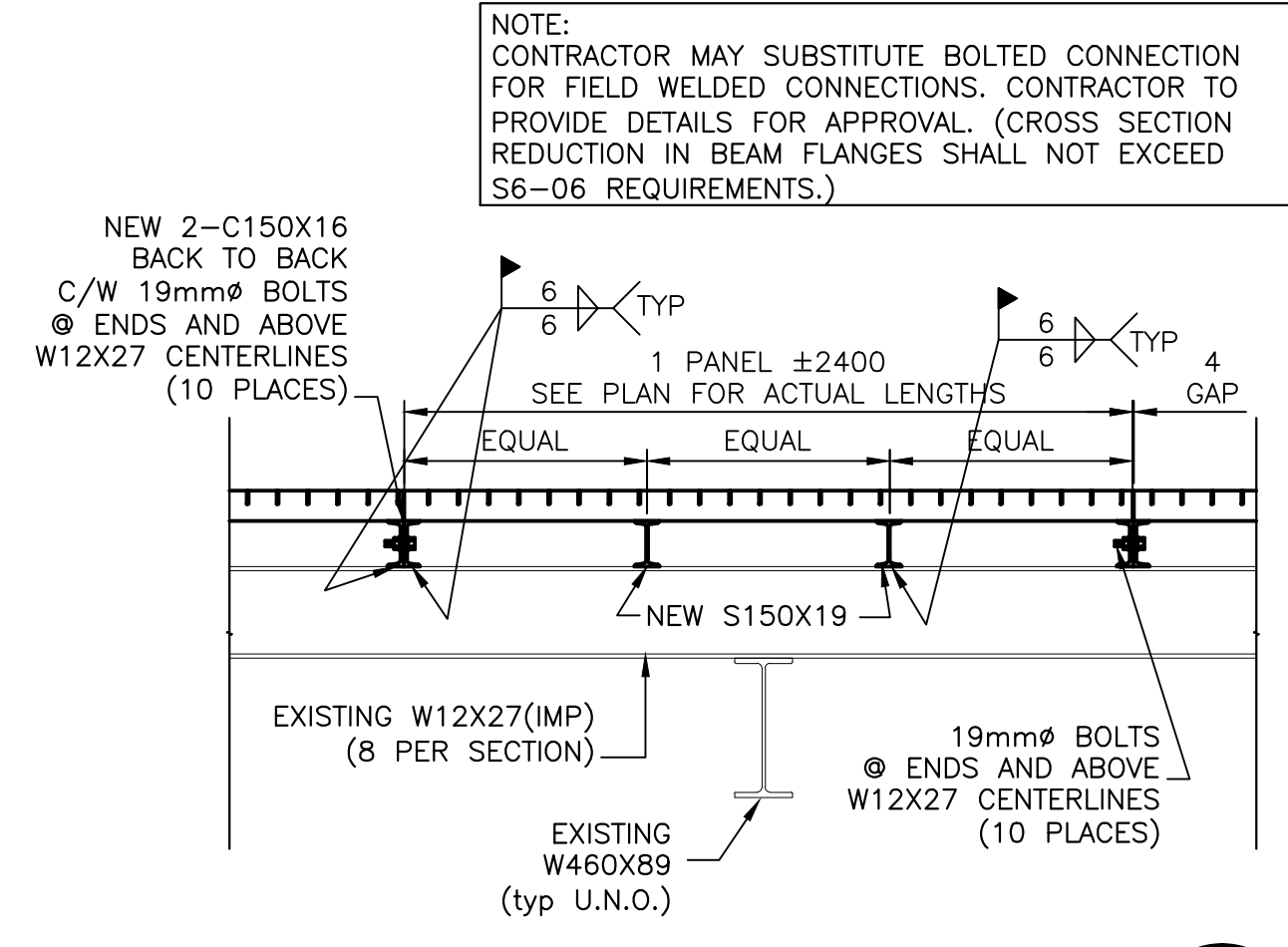
NOTE:
 NEW S150X19 TO BE COPE TO CLEAR THE FOLLOWING GUARDRAIL POSTS:
 NORTH SIDE POSTS 6,7,8,9,10
 SOUTH SIDE POSTS 6,7,8,9,10

NOTES:
 1. GRATING NOT SHOWN FOR CLARITY.
 2. PEDESTRIAN SIDEWALK NOT SHOWN FOR CLARITY. SIDEWALK DECK IS TO REMAIN AS IS AND SHALL REMAIN OPEN FOR PUBLIC USAGE DURING CONSTRUCTION.
 3. MAIN W460X89 GIRDERS NOT SHOWN FOR CLARITY.
 4. PROVIDE MINIMUM 38mm CLEARANCE BETWEEN GRATING AND EXISTING STRUCTURE. PROVIDE STRUCTURAL BANDING AT EDGE OF NOTCHES.

GENERAL NOTES:

- 1) FABRICATE BRIDGE DECKING FROM ROADWAY GRATING HAVING MAIN BEARING BARS OF 6.35X102mm THICK STEEL PLATE AND SECONDARY CROSS BARS OF 6.35X45mm STEEL PLATE ARRANGED TO FORM A 76mm WIDE X 102mm LONG RECTANGULAR GRID. MAIN BEARING BARS SHALL HAVE HOLES TO ACCEPT SECONDARY NOTCHED CROSS BARS. SECONDARY CROSS BARS SHALL BE CONTINUOUS FOR THE WIDTH OF THE GRATING PANEL AND SHALL BE ASSEMBLED TO THE PRIMARY CROSS BARS BY MECHANICAL INTERLOCK AND FILLET WELDS. WELD SIZING SHALL BE DETERMINED BY THE MANUFACTURER TO SUIT THE REQUIRED LOAD RATING AND APPLICATION.
- 2) ROADWAY GRATING USED FOR BRIDGE DECKING SHALL HAVE A WEIGHT OF 83.2 Kg/m², NOT INCLUDING LOCALIZED CONCRETE INFILL WHERE INDICATED.
- 3) ROADWAY GRATING SHALL BE STRENGTH RATED TO CARRY A CL-625 FACTORED LOADING, IN ACCORDANCE WITH CAN/CSA S6-06, FOR CLEAR SPANS UP TO 805mm WHEN BEARING BARS ARE PARALLEL TO THE DIRECTION OF TRAFFIC AND SHALL EXHIBIT LESS THAN AN L/800 DEFLECTION UNDER CL-625 SPECIFIED LOADS.
- 4) FABRICATE BRIDGE DECKING SUPPORT MEMBERS FROM STANDARD BEAM AND CHANNEL SIZES AS INDICATED. DECKING SUPPORT MEMBER LENGTHS AND SPACING SHALL MATCH EXISTING CONDITIONS EXACTLY SO THAT EXISTING BRIDGE WEIGHT DISTRIBUTION IS MAINTAINED.
- 5) BRIDGE DECKING SHALL BE SHOP ASSEMBLED IN SECTIONS, COMPRISED OF ROADWAY GRATING WELDED TO SUPPORT MEMBERS, TO THE EXACT DIMENSIONS OF THE EXISTING SECTIONS AS INDICATED.
- 6) FILE OR GRIND ALL EXPOSED WELDS TO PROVIDE A SMOOTH SURFACE.
- 7) FINISH: SHOP ASSEMBLED DECKING SECTIONS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. TOUCH-UP SCRATCHED, DAMAGED OR WELDED GALVANIZED FINISH WITH 93% ZINC RICH, COLD GALVANIZE COATING IN ACCORDANCE WITH ASTM A780.
- 8) PROVIDE MINIMUM 16 GAUGE GALVANIZED PAN WELDED TO UNDERSIDE OF GRATING IN AREAS WHERE GRATING IS TO BE INFILLED WITH CONCRETE. PROVIDE LOAD BEARING BANDING AT EDGES OF INFILL AREA WHERE REQUIRED TO DEFINE EXTENT OF INFILL REGIONS.
- 9) PREPARATION AND FIELD TOUCH UP PAINTING OF EXISTING BRIDGE STRUCTURE COATING, DAMAGED DURING THE COURSE OF CONSTRUCTION, SHALL BE DONE PER SPECIFICATION SECTION 05 50 00. CONTRACTOR SHALL ENSURE TOUCH UP PAINT SYSTEM IS COMPATIBLE WITH EXISTING COATING SYSTEM.

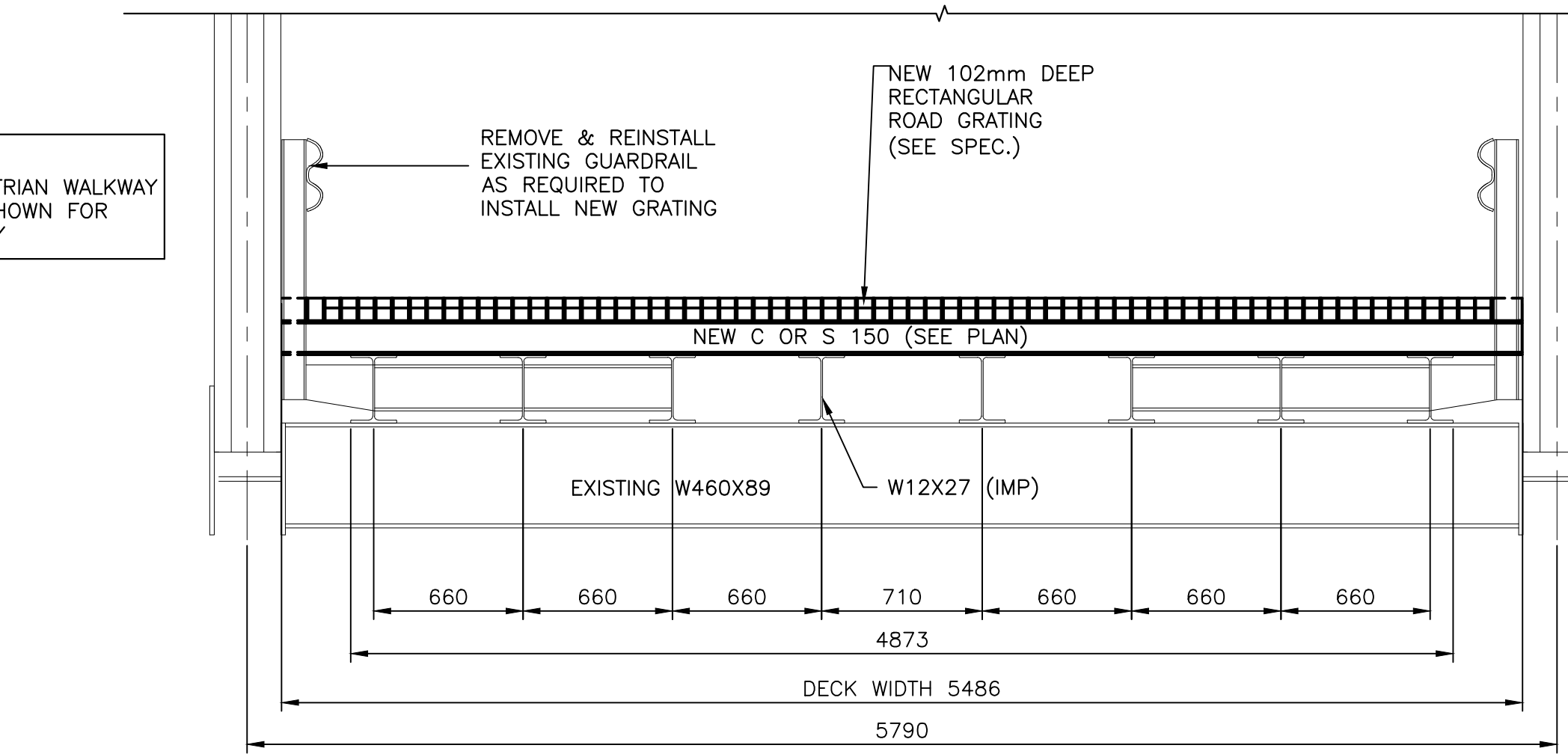
Public Works and Travaux Publics et
 Government Services Services gouvernementaux
 Canada



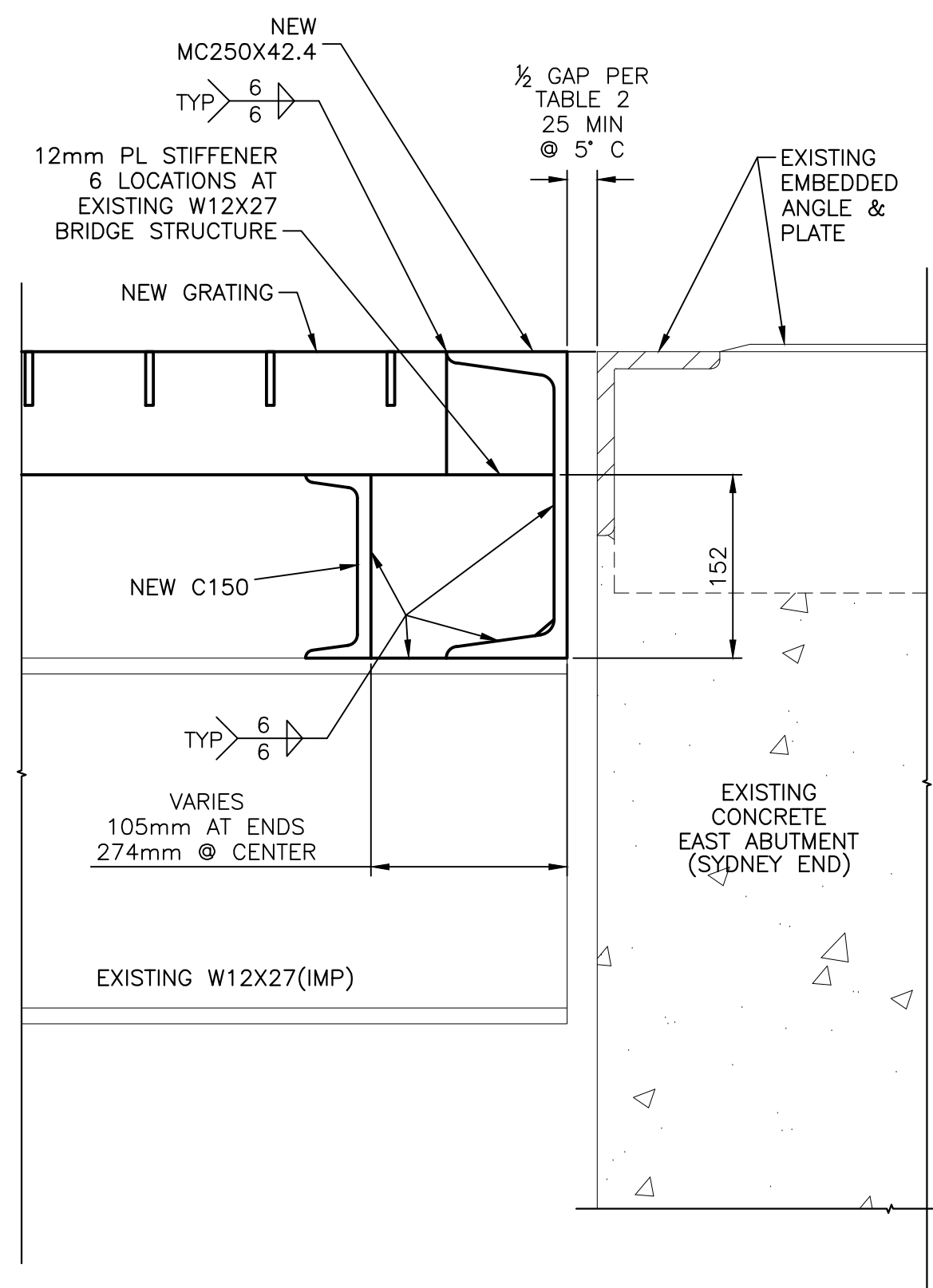
NOTE:
 CONTRACTOR MAY SUBSTITUTE BOLTED CONNECTION FOR FIELD WELDED CONNECTIONS. CONTRACTOR TO PROVIDE DETAILS FOR APPROVAL. (CROSS SECTION REDUCTION IN BEAM FLANGES SHALL NOT EXCEED S6-06 REQUIREMENTS.)

DECK/GRATING PLAN VIEW
 SCALE: 1:100

PANEL DETAIL
 SCALE: 1:25



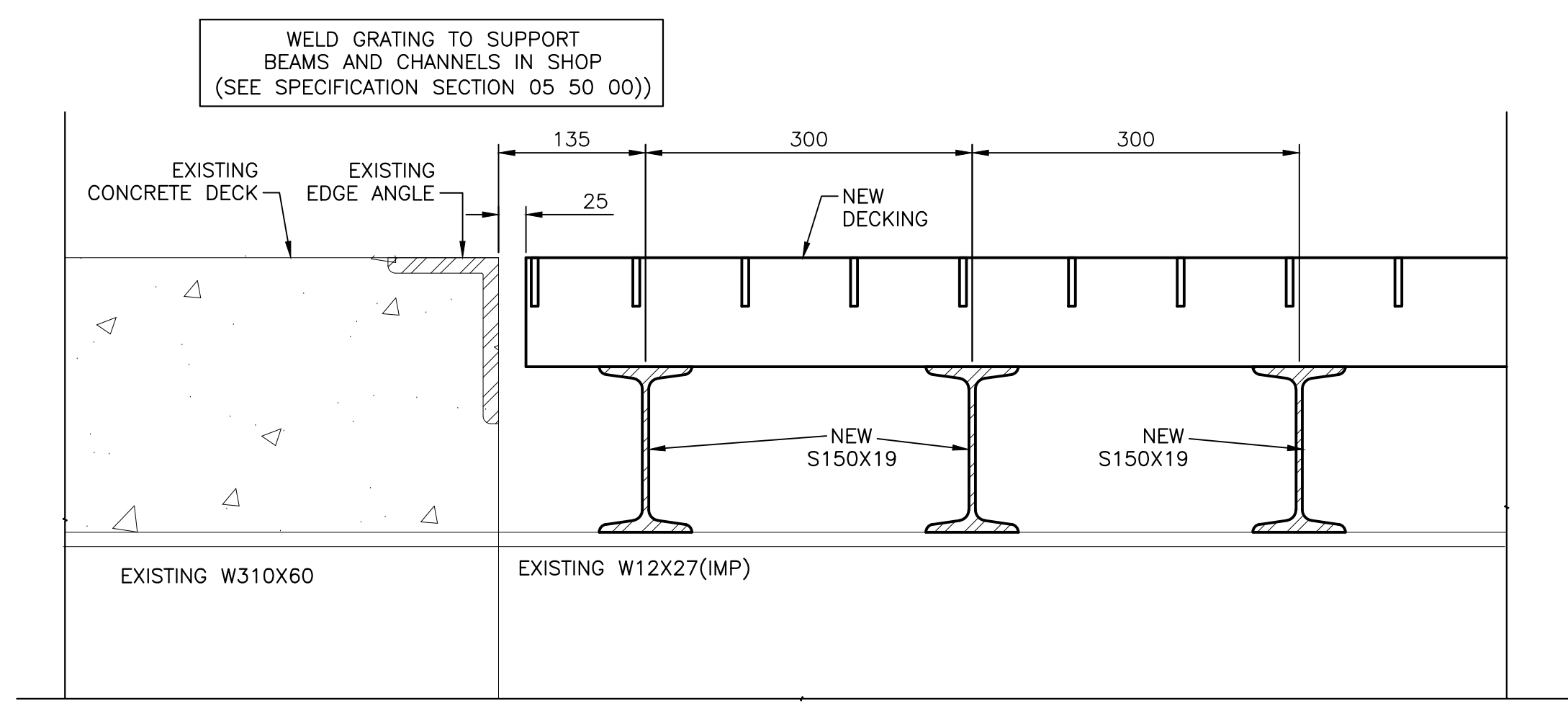
NEW DECK SECTION
 SCALE: 1:25



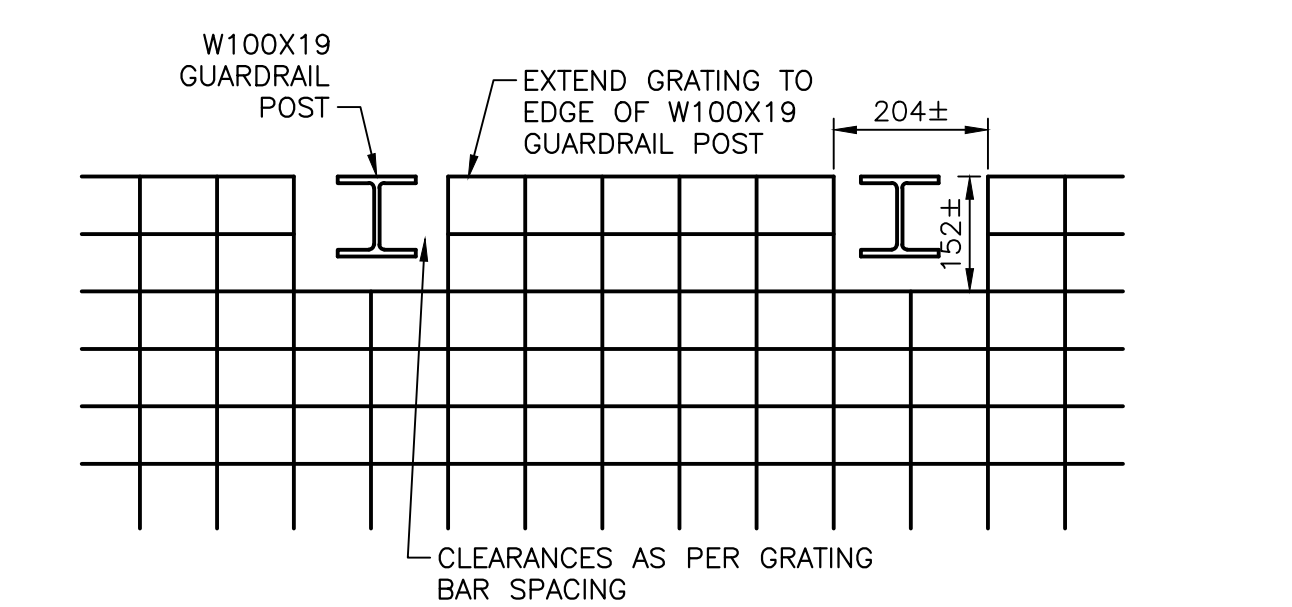
DETAIL
 SCALE: 1:5

TABLE 2
 BRIDGE EXPANSION TABLE

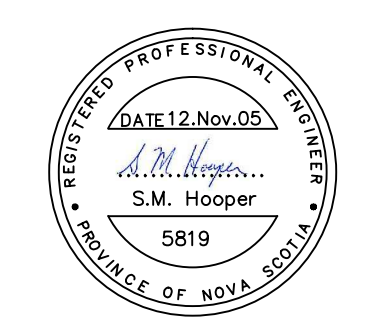
TEMP °C	REQUIRED GAP (mm)
-10	54.4
0	51.5
10	48.5
20	45.5
30	42.5
40	39.5



DETAIL
 SCALE: 1:5



TYPICAL CLEARANCE AT GUARDRAIL COLUMNS
 SCALE: 1:10



1 ISSUED FOR TENDER NOV 05 2012
 revisions date
 project ST. PETER'S BRIDGE DECK REPLACEMENT project

**PLAN & SECTIONS
 NEW DECKING &
 ROAD STRUCTURE**

designed S.HOOPER conçu
 date NOV 5, 2012
 drawn B.POTTLE dessiné
 date NOV 5, 2012
 approved S.HOOPER approuvé
 date DEC 14, 2012
 Tender Soumission
 PWGSC Project Manager Administrateur de projets TPSGC
 project number no. du projet
R.056801.001
 drawing no. no. du dessin
S102