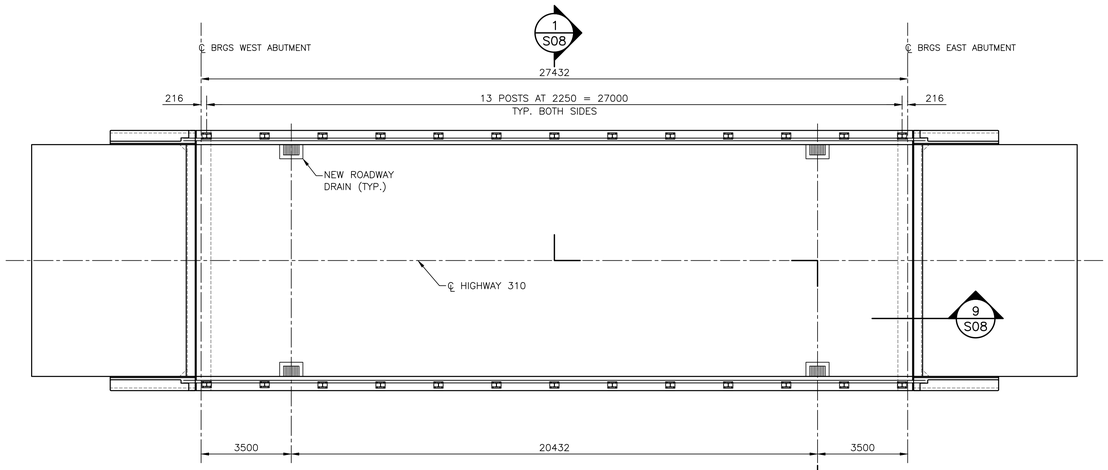
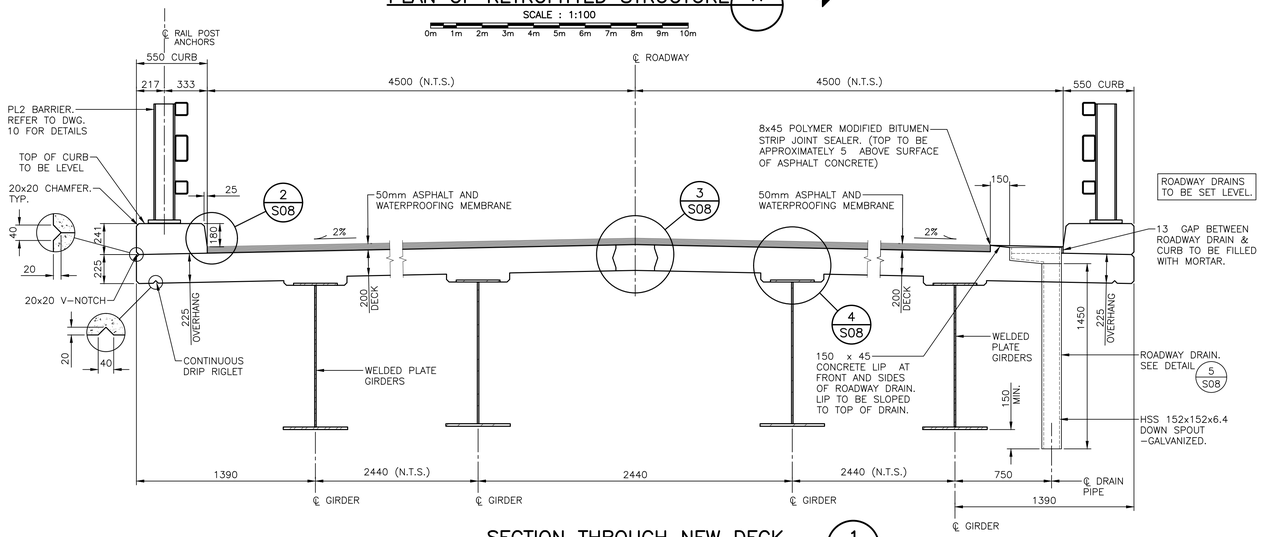


PLAN OF RETROFITTED STRUCTURE (A)

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



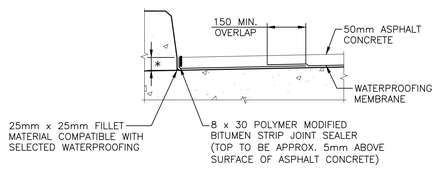
SECTION THROUGH NEW DECK (1 / S08)

SCALE : 1:20

0mm 500mm 1000mm 1500mm 2000mm 2500mm

*MEMBRANE TO TURN UP VERTICAL FACE 50mm.

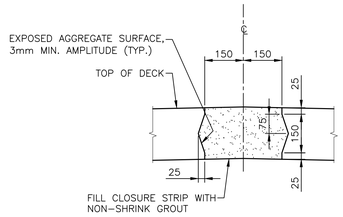
NOTE: OVERLAP MEMBRANE IN PRINCIPLE DIRECTION OF WATER FLOW AND IN DIRECTION OF ASPHALT CONCRETE PLACEMENT.



WATERPROOFING MEMBRANE DETAIL (2 / S08)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm



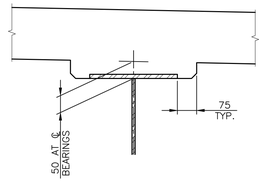
DECK CLOSURE STRIP DETAIL (3 / S08)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTES:

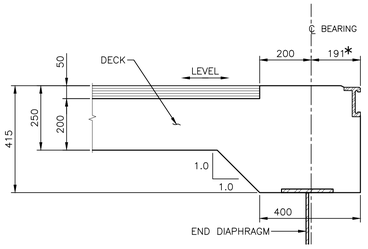
1. ALL DIMENSIONS ARE EXPRESSED IN MILLIMETRES.
2. ALL STATIONS AND ELEVATIONS ARE EXPRESSED IN METRES.
3. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 20X20 CHAMFER UNLESS NOTED OTHERWISE.
4. ALL V-NOTCHES TO BE 20X20.



TYPICAL HAUNCH DETAIL AT GIRDERS (4 / S08)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

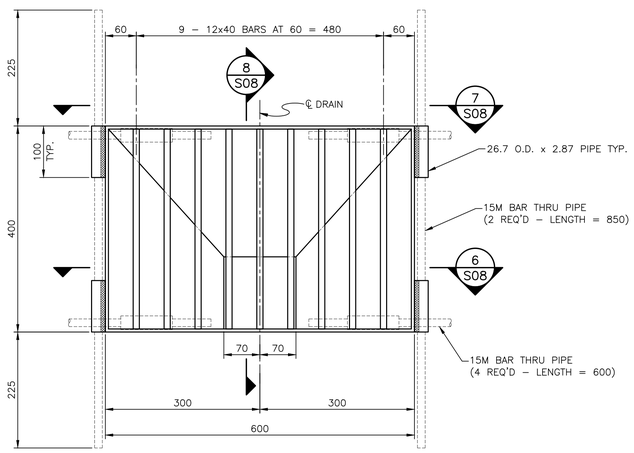


*MEASUREMENT BASED ON 12°C TEMPERATURE. DECREASE THIS MEASUREMENT 1.0mm FOR EVERY 6°C RISE IN TEMPERATURE. INCREASE THIS DIMENSION 1.0mm FOR EVERY 6°C FALL IN TEMPERATURE.

END OF DECK DETAIL (9 / S08)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

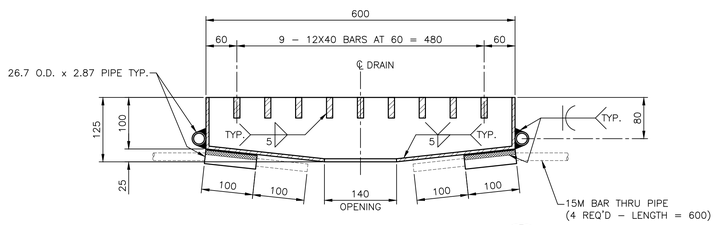


(4 DRAINS REQUIRED)

ROADWAY DRAIN DETAIL (5 / S08)

SCALE: 1:5

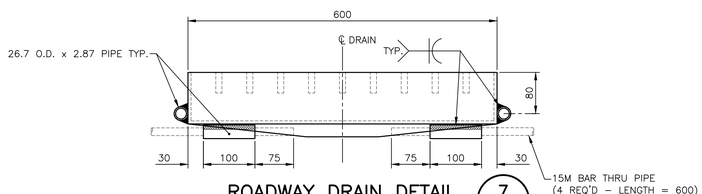
0mm 100mm 200mm 300mm 400mm 500mm



ROADWAY DRAIN DETAIL (6 / S08)

SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm



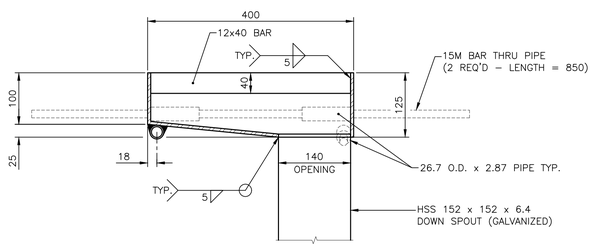
ROADWAY DRAIN DETAIL (7 / S08)

SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm

ROADWAY DRAIN NOTES:

1. MATERIALS: STEEL: CAN/CSA - G40.20/G40.21 - M92 - TYPE 300W
   REINFORCING: CSA G30.12, GRADE 400
2. WELDING: CSA W47.1 - 1983 AND CSA W59 - M1989
3. ALL STEEL PLATES ARE TO BE 6mm THICK UNLESS OTHERWISE NOTED.
4. ALL WELDERS SHALL BE CERTIFIED BY THE CWB TO CAN/CSA W47.1 SPECIFICATIONS, AND/OR TO A CERTIFICATION LEVEL OF QUALIFIED WELDER AS ISSUED BY THE PROVINCE OF NEWFOUNDLAND.
5. DECK DRAIN ASSEMBLIES TO BE GALVANIZED BY HOT DIPPING IN ACCORDANCE WITH ASTM A123/A123M, TO A MINIMUM THICKNESS OF 175 um AND/OR A MINIMUM APPLICATION RATE OF 1 kg/m².
6. 15M GALVANIZED REINFORCING BARS SHALL BE SUPPLIED WITH DRAINS.



ROADWAY DRAIN DETAIL (8 / S08)

SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm

Parcs Canada Parks Canada

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PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
Valron Engineers Inc.
To practice Professional Engineering in Newfoundland and Labrador
Permit No. as issued by APEGN 30005
which is valid for this year 2016

REGISTERED PROFESSIONAL ENGINEER
J-M CHEVARIE
Signature
2016/3/22
Date
NEWFOUNDLAND & LABRADOR

revisions		date
0	ISSUED FOR TENDER	03/22 2016

project / projet

BROAD COVE BRIDGE REHABILITATION

drawing / dessin

DECK PLAN, SECTIONS AND DETAILS

designed RF — conçu
date DEC. 2015
drawn RK — dessiné
date DEC. 2015
approved RBV/JMC — approuvé
date DEC. 2015
Tender — Soumission
PWGSC Project Manager — Administrateur de projets TPSGC
project number — no. du projet: 675
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PWGSC B1 (2004)

E-DRM/GDD-E: