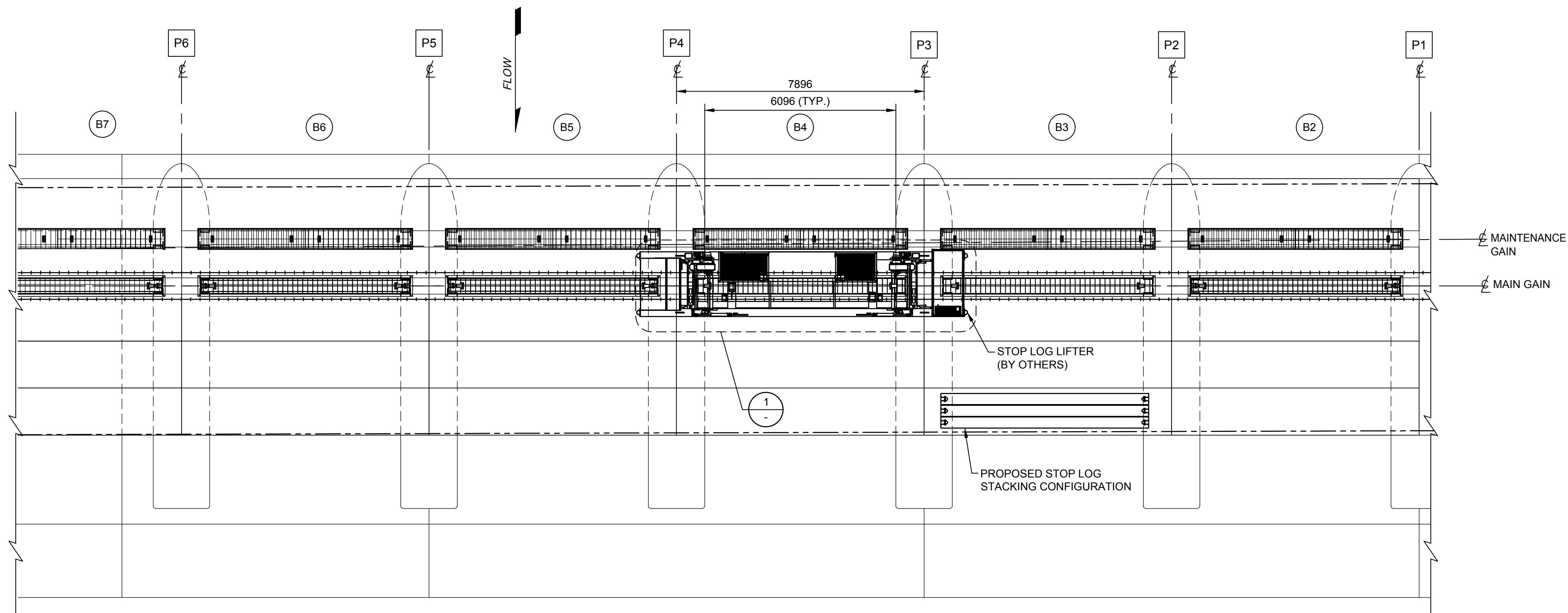
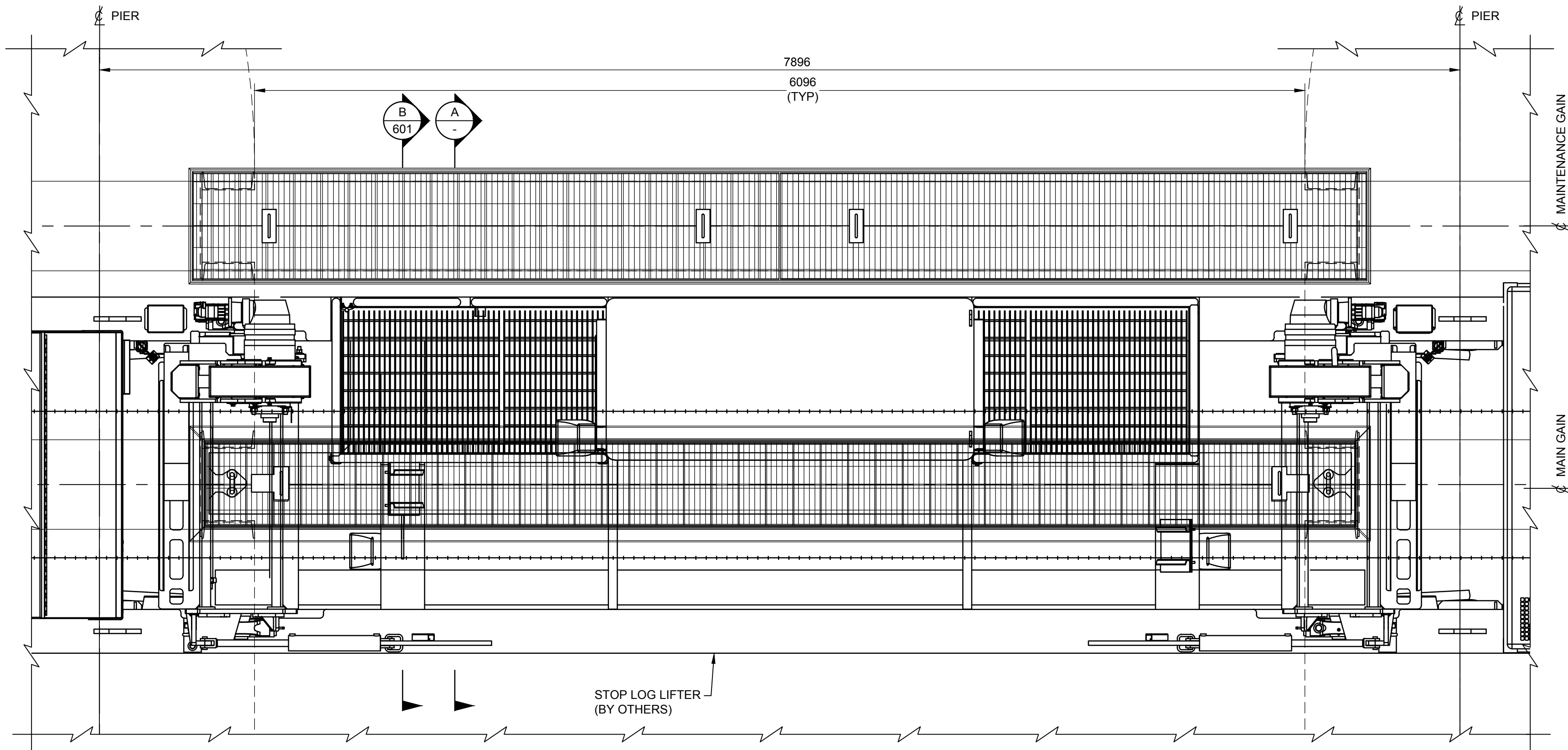


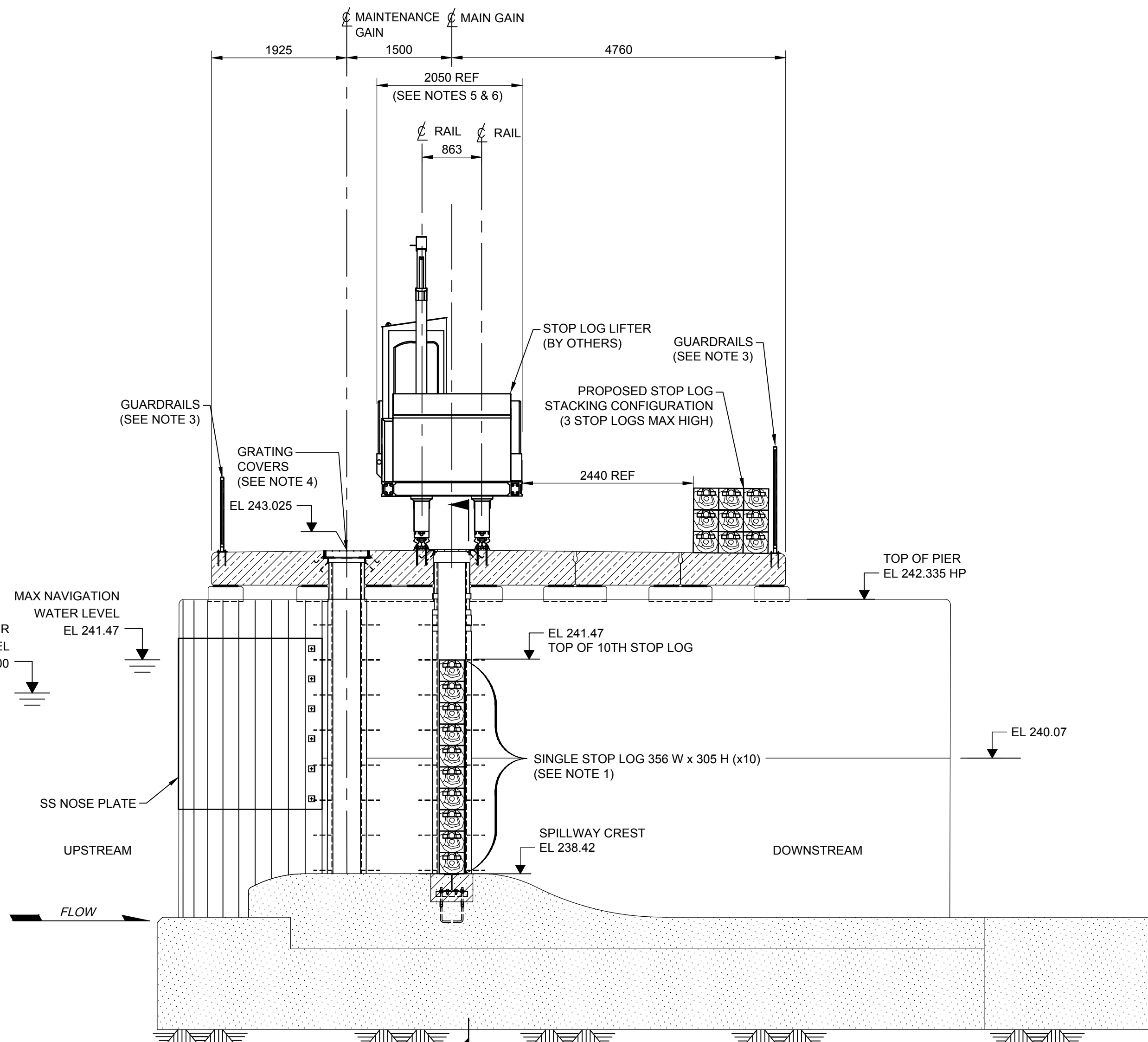
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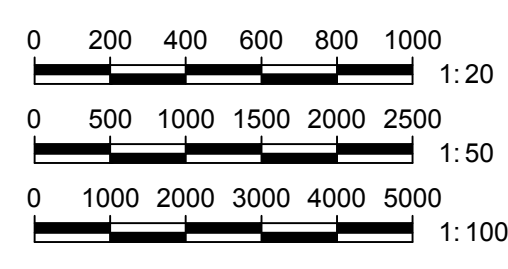
PLAN VIEW  
1:100



DETAIL  
1:20  
1



SECTION  
1:50  
A



Contract No.	Drawing Code	Serial	Rev.
HS00243	210 41DD	0600	0

- NOTES:
- FOR STOP LOG DIMENSIONS AND LIFTING BOLT DETAILS SEE STOP LOG SPECIFICATION AND MECHANICAL DRAWING 602.
  - FOR MORE DETAILS REGARDING GAINS DIMENSIONS SEE CIVIL AND METALS DRAWINGS.
  - FOR DETAILS REGARDING GUARDRAILS SEE METALS DRAWINGS.
  - FOR DETAILS REGARDING GRATING, COVERS AND RAILS, SEE METALS DRAWINGS.
  - STOP LOG LIFTER WIDTH FOR REFERENCE ONLY.
  - BEFORE FINAL DETAILED DESIGN, REFERENCED DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR.

No.	Description	By	Date
0	FOR TENDER	Y.B	05/13/2020

Revision / Révision  
Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

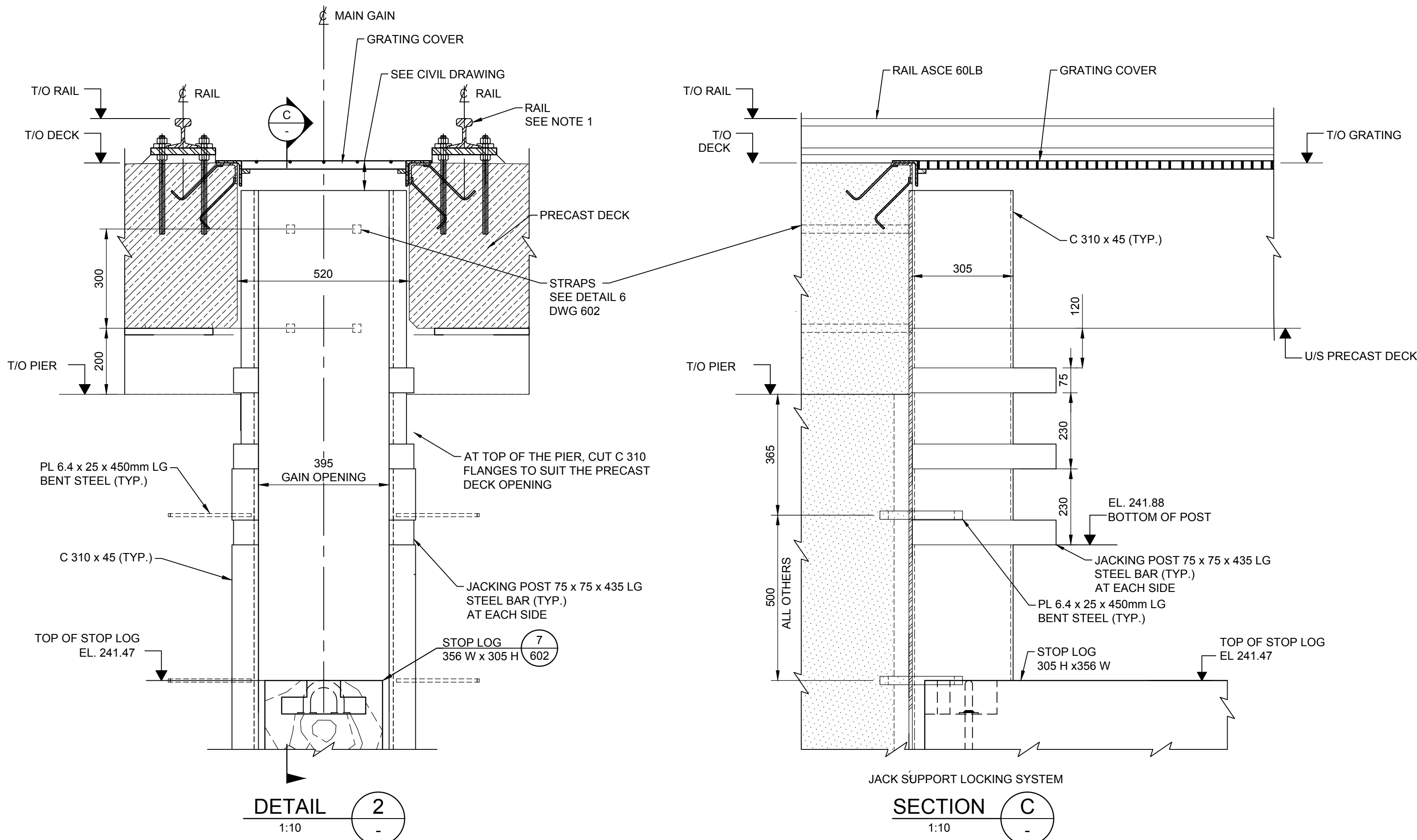
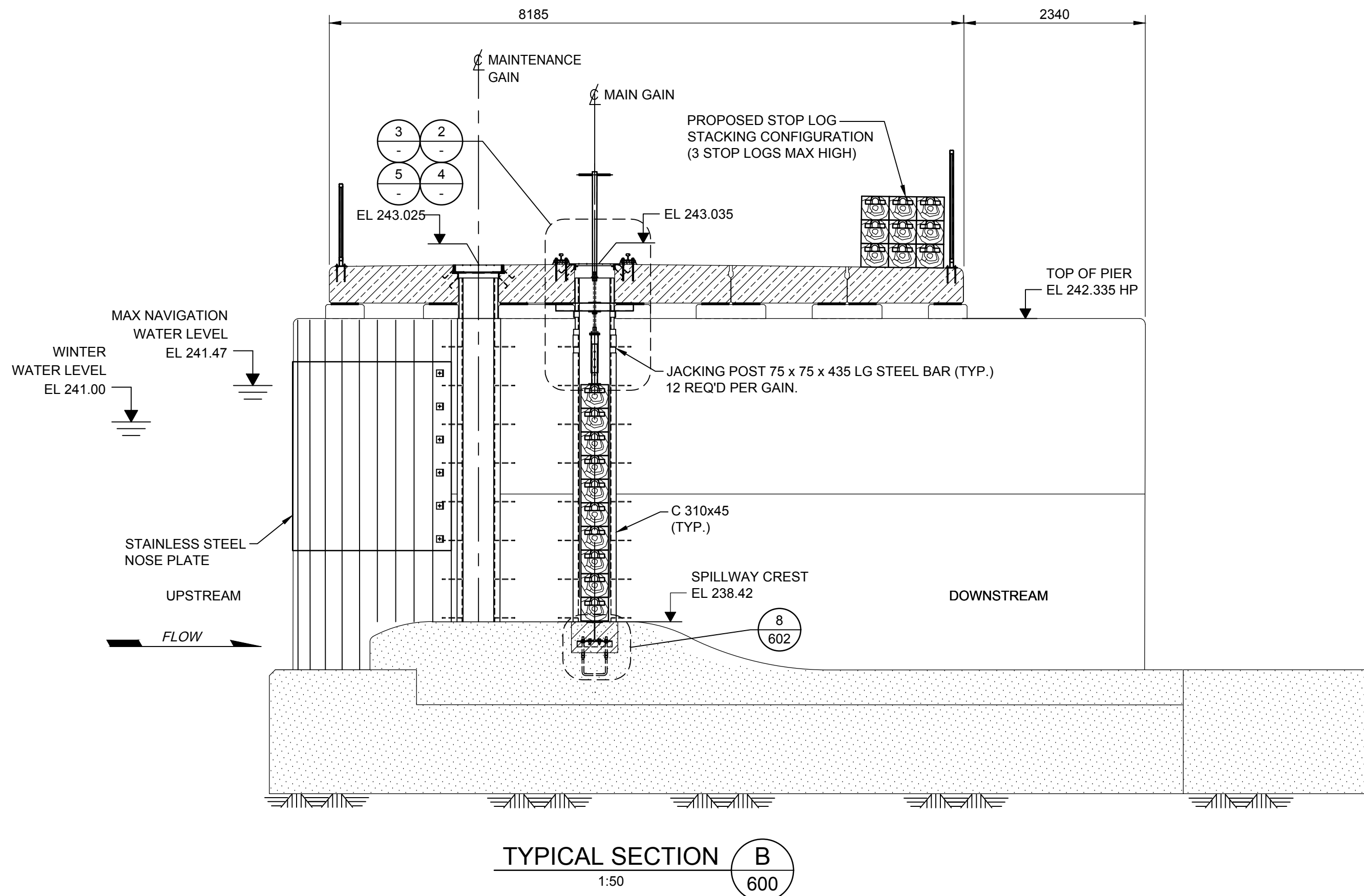
A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional Stamp

Project title / Titre du projet  
TRENT-SEVERN WATERWAY  
DAM AT LOCK 28 - BURLEIGH FALLS  
RECONSTRUCTION

Drawing title / Titre du dessin  
MECHANICAL  
STOP LOG LIFTER  
PLAN, SECTION AND DETAIL

Drawn by / Dessiné par I. ZIECIK	Designed by / Conçu par M. SAIDOU	P.Eng.
Verified by / Vérifié par Y. BERTON	Approved by / Approuvé par S. VITTECOQ	P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number / Numéro du Dessin 600	
Project Number / Numéro du projet R.076951.705	Sheet Feuille	of de



STOP LOG GAINS EMBEDDED PARTS INSTALLATION TOLERANCES:

- E. CENTRELINE POSITION OF TOP GUIDE TO BE WITHIN  $\pm 3\text{mm}$  OF SPECIFIED POSITION ON DRAWINGS.
- F. MAXIMUM DEVIATION FROM TRUE VERTICALITY FOR THE OVERALL HEIGHT :  $5\text{mm}$  IN EACH DIRECTION PERPENDICULAR TO FLOW,  $3\text{mm}$  IN DIRECTION PARALLEL TO FLOW, FOR EACH FACE, ANYWHERE ALONG THE HEIGHT.
- G. SILL BEAM:
- LEVEL : MAXIMUM VERTICAL DEVIATION OF  $\pm 3\text{mm}$  OVER FULL LENGTH.
  - STRAIGHTNESS :  $\pm 1\text{mm}$  ON  $1800\text{mm}$  STRAIGHT EDGE.
- H. DISTANCE BETWEEN LATERAL FACES OF GUIDES ACROSS ONE PASSAGE : NOMINAL DISTANCE  $\pm 10\text{mm}$ , ANYWHERE ALONG THE HEIGHT.
- I. BRACING DURING CONCRETE POUR BY CONTRACTOR.

Contract No.	Drawing Code	Serial	Rev.
HS00243	210 41DD	0601	0

NOTES:

- FOR RAIL DETAILS SEE CIVIL AND METALS DRAWINGS.
- FOR GRATING AND COVERS DETAILS AND ALL CONCRETE ELEVATIONS, SEE CIVIL AND METALS DRAWINGS.
- FOR STAINLESS STEEL NOSING AND GAINS SEE CIVIL DRAWINGS.
- BEFORE FINAL DETAILED DESIGN, REFERENCED DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- QUANTITY = 2 STOP LOG PINNING MECHANISM PER SLUICE (ONE AT EACH SIDE ON THE DOWNSTREAM LOCATION).
- ALL EMBEDDED PARTS TO BE HOT-DIP GALVANIZED.

No.	Description	By Par	Date
0	FOR TENDER	Y.B	05/13/2020

Revision / Révision

Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional Stamp

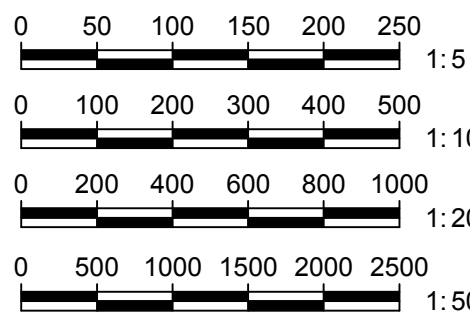
Project title / Titre du projet

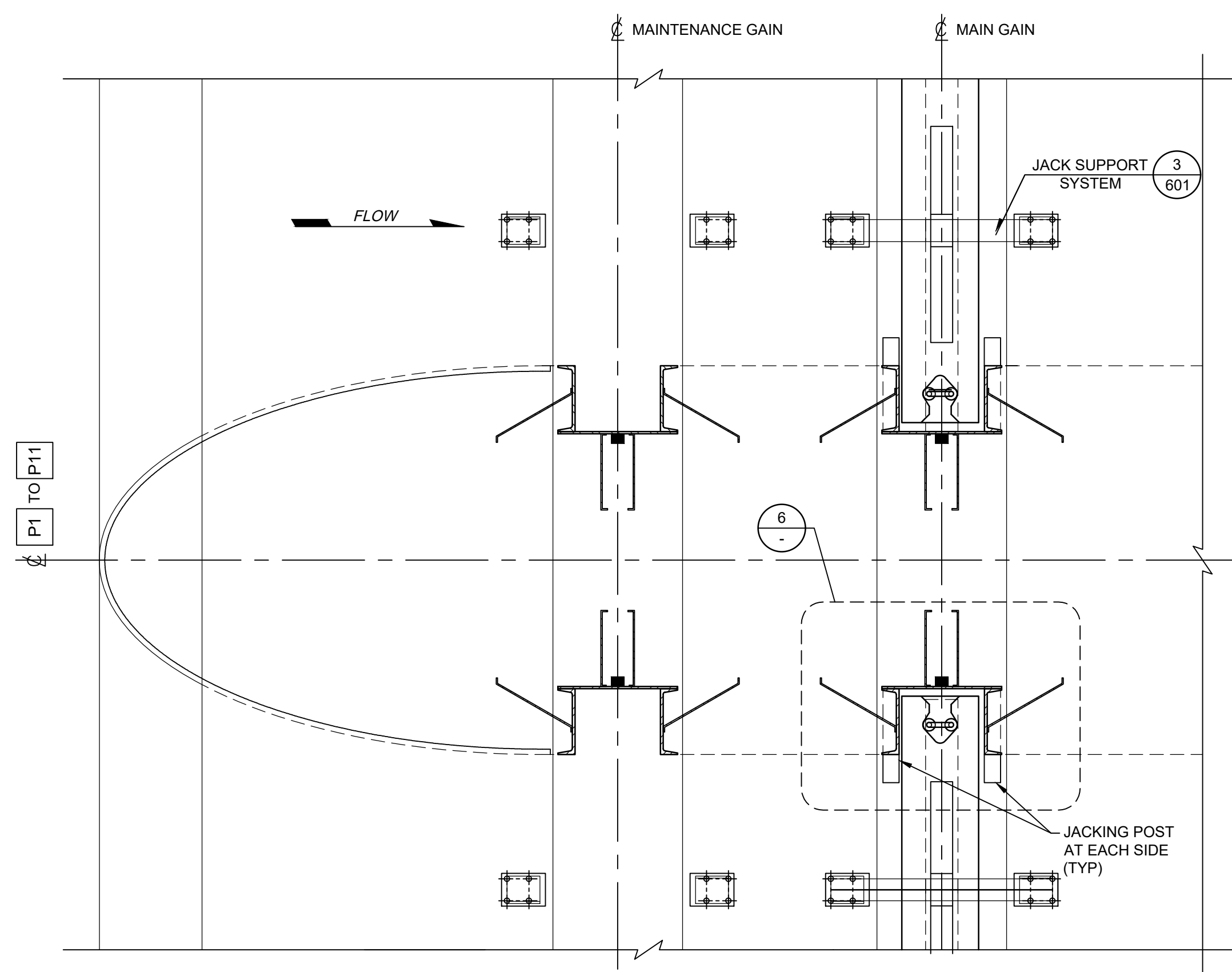
TRENT-SEVERN WATERWAY  
DAM AT LOCK 25 - SAWERS CREEK  
RECONSTRUCTION

Drawing title / Titre du dessin

MECHANICAL  
GAIN EMBEDDED PARTS  
AND JACK SUPPORT  
LOCKING SYSTEM DETAILS

Drawn by / Dessiné par I. ZIECIK	Designed by / Conçu par M. SAIDOU	P.Eng.
Verified by / Vérifié par Y. BERTON	Approved by / Approuvé par S. VITTECOQ	P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number / Numéro du Dessin 601	
Project Number / Numéro du projet R.076951.705	Sheet Feuille	of de





WATERPROOFING BAND 60x45 COATED WITH CRUSHED GRAVEL ON 3 SIDES TO BE FIXED WITH ADHESIVE AS PER MANUFACTURER'S RECOMMENDATIONS (TYP)

PL 10 x 555

STRAPS PL 6 x 25 x 450mm LG BENT STEEL (TYP) REQUIRED BELOW TOP OF PIER ELEVATION

EDGE OF CONCRETE

MAIN GAIN

STRAPS PL 6 x 25 x 400mm LG BENT STEEL (TYP) REQUIRED ABOVE TOP OF PIER ELEVATION

C 310 x 45 (TYP)

JACKING POST AT EACH SIDE (TYP)

W 250 x 49 x 6705 LG SILL BEAM (TYP)

3 SIDES

Dimensions: 25, 400, 25, 200, 6, 6, 6, 395, 25, 400.

SPILLWAY CREST  
EL 238.42

C 310x45 (TYP)

202

300

W 250 x 48 x 6706 LG SILL BEAM  
TO BE SET PLUMB AND LEVEL,  
SHIM AS REQUIRED  
(SEE INSTALLATION TOLERANCE  
ON DWG. 601, NOTE G)

L 76 x 76 x 9.5 x 450 LG  
WELDED TO SILL BEAM  
C/W 2 HOLES FOR  
20mm RODS

DIA 7/8"-9UNC-2A

VARIABLE

50  
(MIN)

AD-1 (07/8"-9UNC-2A) = 280

THREADED COUPLING

DRILL 7/8"-9UNC-2B

38

65

R=33  
(TYP)

SECOND STAGE  
CONCRETE LIMIT

FIRST STAGE  
CONCRETE LIMIT

(TYP)

ANCHOR TYPE AD-1 (ASTM A-307)

6650 (TYP.)

76

38 TYP.

102

R38

160

MAX.

9

1

STOP LOG

WOODEN BEAM

218

133

102 MAX

6 MIN

64

305

STOP LOG  
WOODEN BEAM

SIDE VIEW

Diagram illustrating the dimensions and components of a Stop Log Wooden Beam:

- Overall height: 356
- Distance from top to center of the upper log: 102
- Log diameter: 64 (TYP.)
- Label: STOP LOG WOODEN BEAM

EL 243.035

SLUICE

GRATING

900

EL 242.535

C 310x45 (TYP)

300

200

385

500

ALL OTHERS

TOP OF PIER

JACKING POST AT EACH SIDE (TYP)

WATERPROOFING BAND (TYP)

PL 6.4 x 25 x 450mm LG BENT STEEL (TYP)

6096

6650

SLUICE

STOP LOG WOODEN BEAM

W 250 x 49

500

ALL OTHERS

50

TOP OF SLUICE EL 238.42

6600 = 11 SPACES @ 600 mm  
12 ANCHORS TYPE AD-1

0 20 40