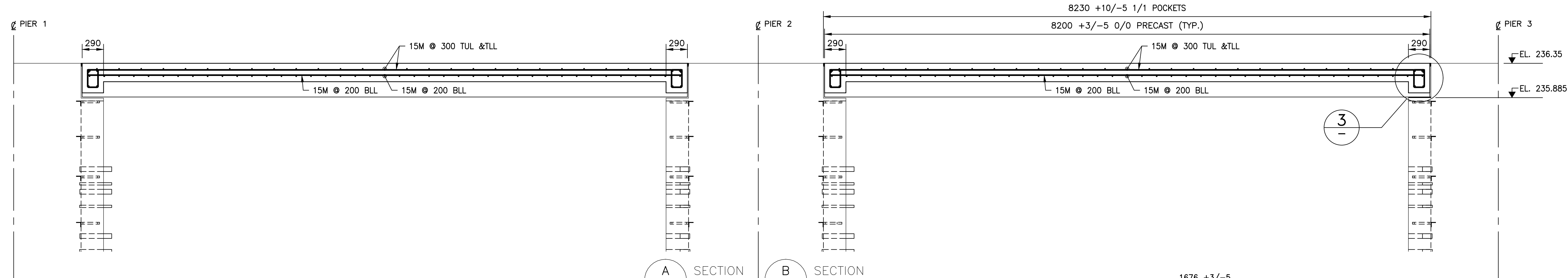
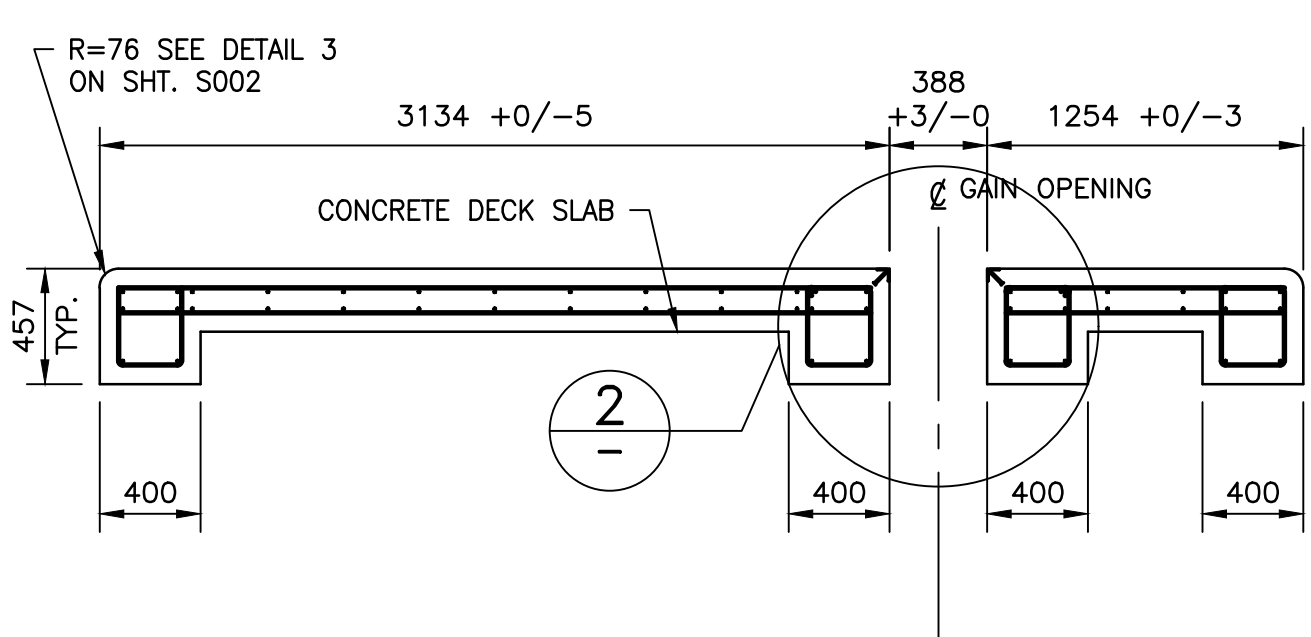


1  
S001  
SCALE 1:50

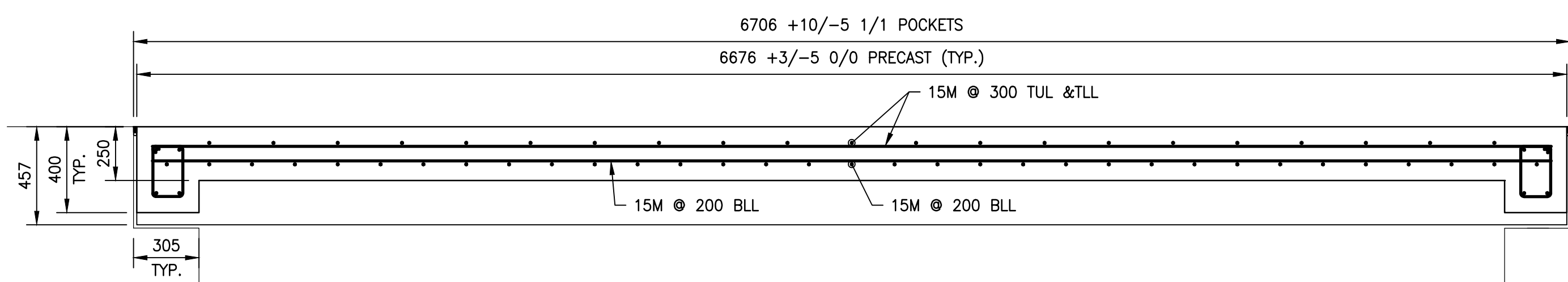


A SECTION  
REINFORCING  
SCALE 1:30

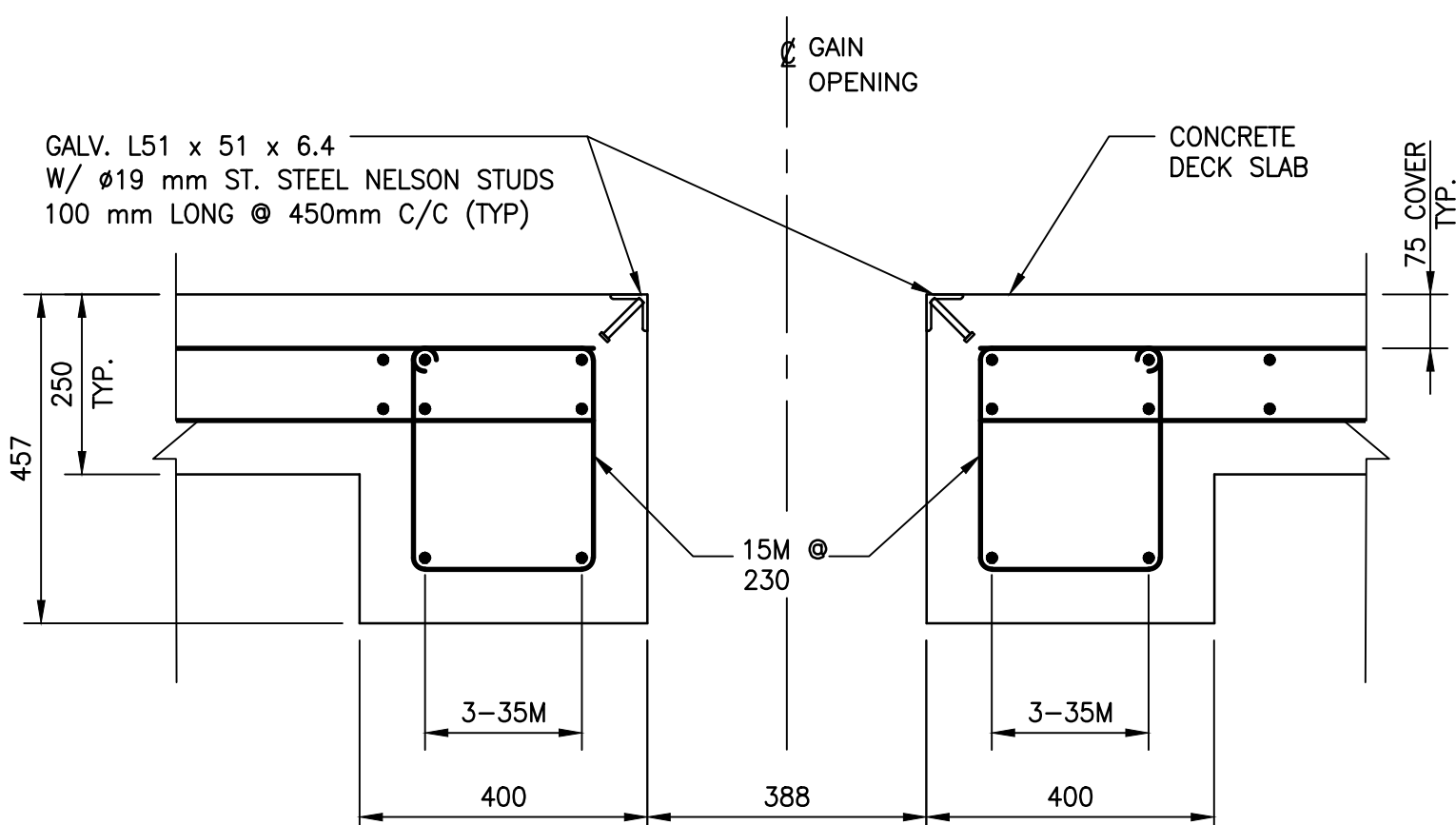
B SECTION  
REINFORCING (SIM.)  
SCALE 1:30



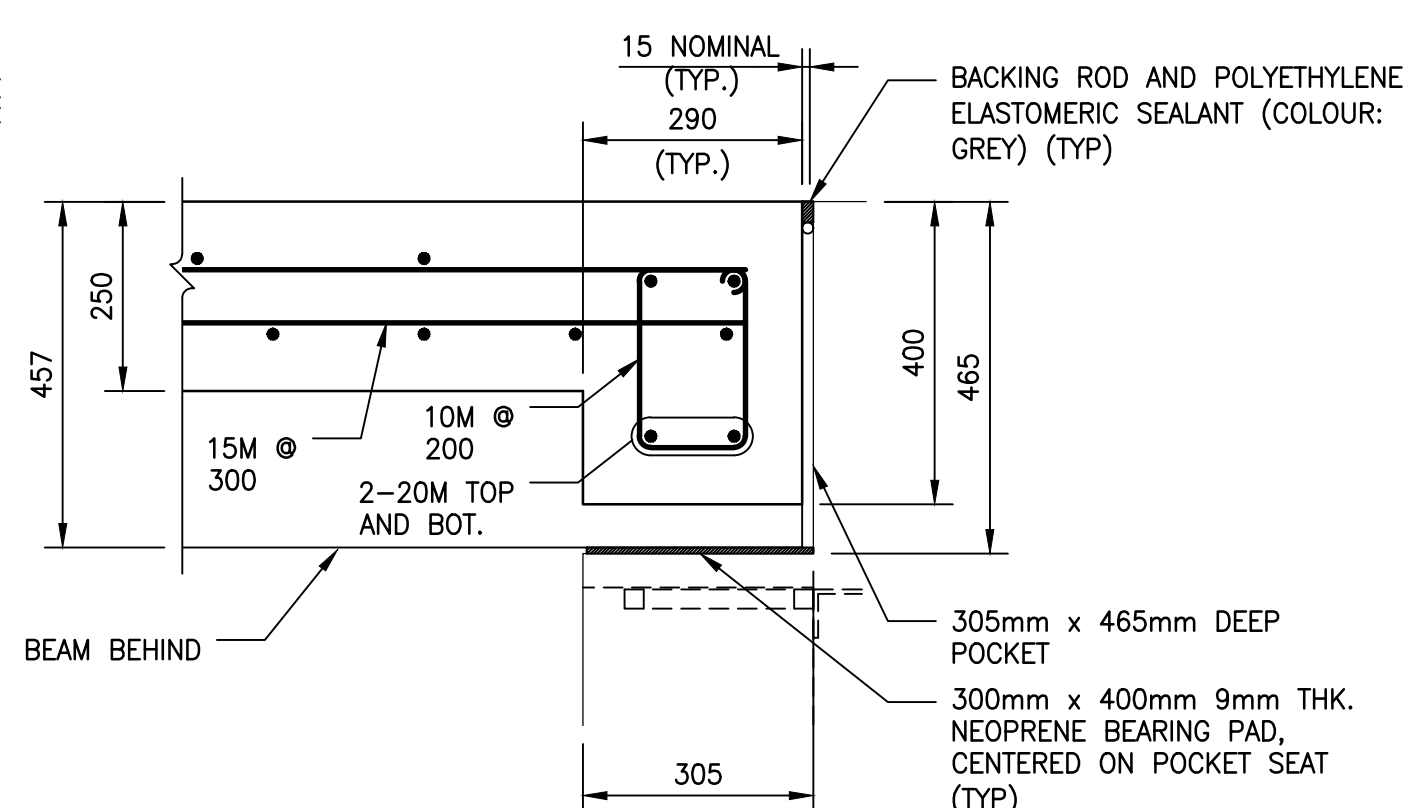
C SECTION  
REINFORCING & GAIN OPENING  
SCALE 1:30



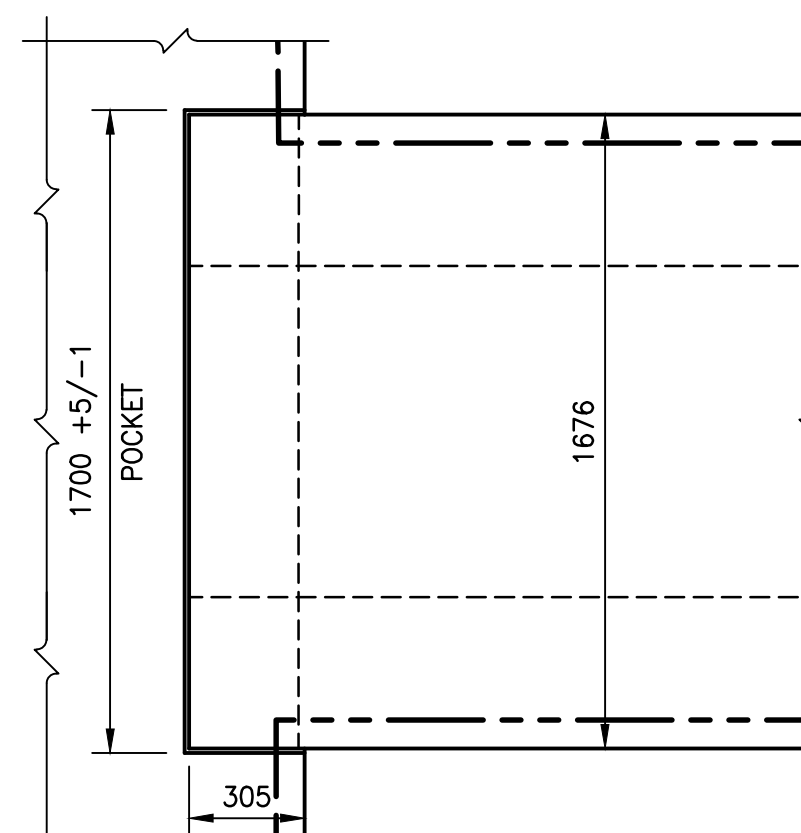
D SECTION  
REINFORCING  
SCALE 1:20



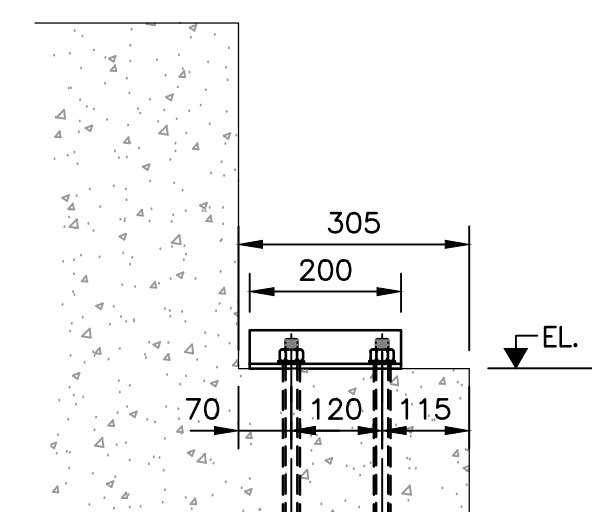
2 DETAIL  
GAIN OPENING & BEAM  
SCALE 1:10



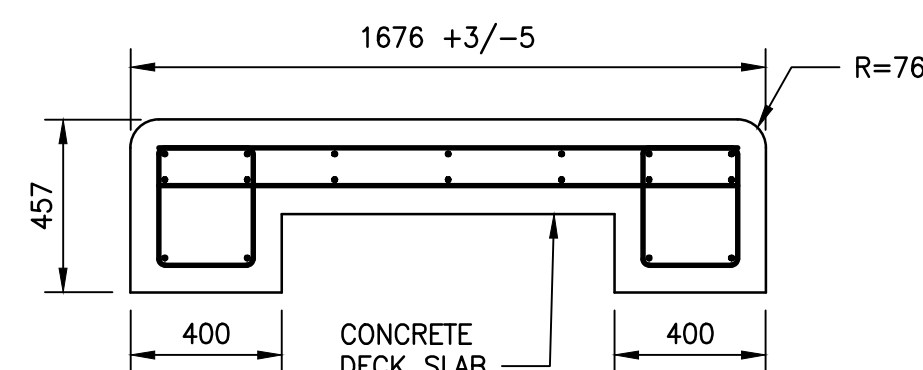
3 DETAIL  
BEAM  
SCALE 1:10



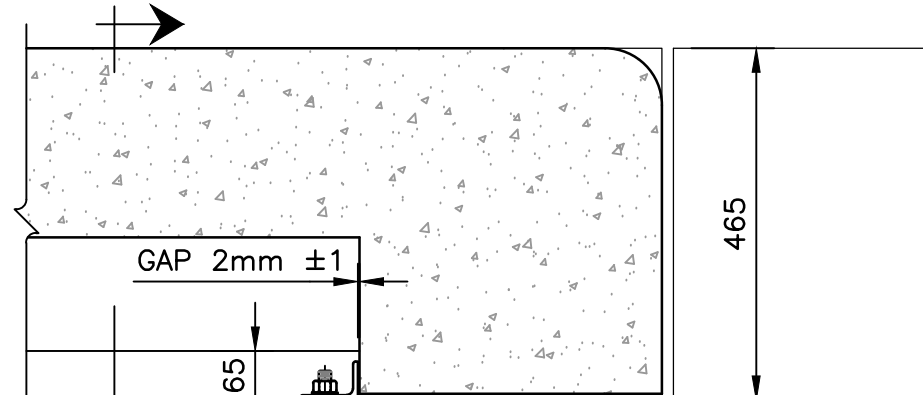
4 DETAIL  
BEAM  
SCALE 1:10



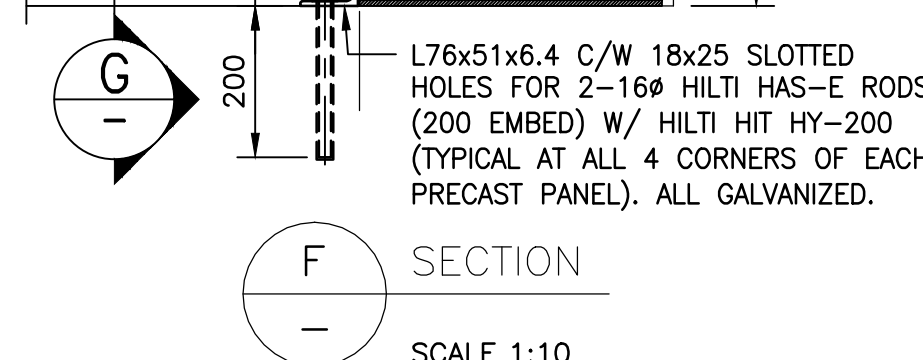
G SECTION  
SCALE 1:10



E SECTION  
SCALE 1:20



F SECTION  
SCALE 1:10



H SECTION  
SCALE 1:10

#### NOTES

- FABRICATE PRECAST SLAB CERTIFIED BY THE CSA INTERNATIONAL WITH ACCORDANCE TO CSA STANDARD A23.4 "PRECAST CONCRETE MATERIALS AND CONSTRUCTION". THE PRECAST CONCRETE MANUFACTURER SHALL BE A MEMBER IN GOOD STANDING OF THE CANADIAN PRECAST CONCRETE INSTITUTE AND SHALL BE CERTIFIED IN ACCORDANCE WITH THE CSA CERTIFICATION PROGRAM FOR STRUCTURAL PRECAST CONCRETE PRIOR TO SUBMITTING A TENDER AND MUST SPECIFICALLY VERIFY AS PART OF THEIR TENDER THAT HE IS CURRENTLY CERTIFIED IN THE FOLLOWING CATEGORY:
  - PRECAST CONCRETE PRODUCTS
  - STRUCTURAL, NON-PRESTRESSED.
- DELIVERY, STORAGE AND PROTECTION:
  - ACCEPT FULL RESPONSIBILITY FOR DELIVERY, HANDLING AND STORAGE OF UNITS.
  - DELIVER, HANDLE AND STORE PRECAST UNITS USING METHODS APPROVED BY THE MANUFACTURER. DO NOT PERMIT UNITS TO CONTACT EARTH OR STAINING INFLUENCES OR TO REST ON CORNERS.
  - SPREADER BEAM ASSEMBLY SHALL BE USED TO LIFT SLAB WITH LIFTING WIRES/SLINGS NORMAL TO SLAB.
  - CONTRACTOR SHALL DESIGN HAULING POINTS WITH ADEQUATE FACTOR OF SAFETY.
  - GALVANIZED ANGLES AS SHOWN ON DETAIL 2 SHALL BE CAST IN AT PRE-CASTING YARD.
  - NO EYE BOLTS OR HAULING HOLES ARE ALLOWED IN PRE-CAST PANELS FOR HAULING OPERATIONS.
- PRODUCTS:
  - CONCRETE 35 MPA, CLASS C-1
  - MAXIMUM WATER-CEMENT RATIO TO CSA A23.1-14
  - AIR ENTRAINMENT TO CSA A23.1-14
  - REINFORCEMENT TO CSA G30.18M
- FABRICATION:
  - FABRICATE PRECAST SLAB WITH ACCORDANCE TO CSA A23.1-14
  - MARK EACH PRECAST UNIT TO CORRESPOND TO IDENTIFICATION MARK ON SHOP DRAWING FOR LOCATION.
  - PRECAST CONCRETE FABRICATION TOLERANCES APPLY AT TEMPERATURE OF 20° CELSIUS LOCATION.
- INSTALLATION:
  - SET PRECAST CONCRETE UNITS STRAIGHT, LEVEL AND SQUARE.
  - NON-CUMULATIVE ERECTION TOLERANCES TO BE IN ACCORDANCE WITH CSA A23.4.
  - DO NOT WELD OR SECURE BEARING PLATES AT SLIDING JOINTS.
  - USE GROUT TO ALIGN ELEVATIONS AT SURFACE OF JOINTS IN SITUATIONS WHERE ALLOWABLE TOLERANCES HAVE BEEN EXCEEDED OR AS NOTED ON DRAWINGS IN CRITICAL LOCATIONS.
  - FASTEN UNITS IN PLACE AS PER SPECIFIED DETAILS.
- HANDLING AND ERECTION:
  - PRECAST COMPONENTS SHALL BE HANDLED AND ERECTED IN ACCORDANCE WITH CSA STANDARD A23.1-14
  - PRECAST COMPONENTS SHALL BE DELIVERED AND HANDLED IN MANNER AS TO AVOID WARPAGE
  - HOLES AND REGLETS NOT ALLOWED FOR HANDLING OPERATIONS
  - ALL PRECAST COMPONENTS SHALL BE ERECTED BY EXPERIENCED WORKMEN UNDER THE SUPERVISION OF A QUALIFIED SUPERINTENDENT WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE.
  - UNITS SHALL BE SET PLUMB AND TRUE WITH JOINTS PARALLEL AND UNIFORM.
  - PATCH DAMAGED, OR CHIPPED COMPONENTS AS REQUIRED.

#### NOTES:

- DIMENSIONS IN MILLIMETRES / ELEVATIONS IN METRES UNLESS NOTED OTHERWISE.
- ALL COVER TO BE 75mm UNLESS OTHERWISE SHOWN.

MAX DESIGN LIVE LOAD = 10kPa  
UNIFORMLY DISTRIBUTED

TO BE CONFIRMED

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION

E	RE-ISSUED FOR TENDER	KJC	18/08/27
D	ISSUED FOR TENDER	PJZ	18/07/31
C	ISSUED FOR 99% REVIEW	PJZ	18/07/05
B	ISSUED FOR 66% REVIEW	KJC	18/05/09
A	ISSUED FOR 33% REVIEW	KJC	18/04/16
No.	Description	Dwn By Des. Par	Date

Revision / Révision	
A	Detail number
B	No. du détail
	Location dwg. no.
	No. sur dessin

Project title / Titre du projet

## TRENT-SEVERN WATERWAY DAM AT LOCK 38 REPLACEMENT

Drawing title / Titre du dessin

## CONCRETE DECK AND MISC. STEEL SECTIONS & DETAILS

Drawn by / Dessiné par		Designed by / Conçu par	
KJC		WSM	
Approved by / Approuvé par		Drawing Date / Date du dessin	
SB		MAY 2018	
Project manager / Administrateur de projet			
DAVE NESS			
Contract No. / Numéro du contrat		Drawing No. / Dessin No.	
EQ754-162649		S004	
Project No. / Numéro du projet		Sheet / Feuille	
R.076951.906		1 of 1	