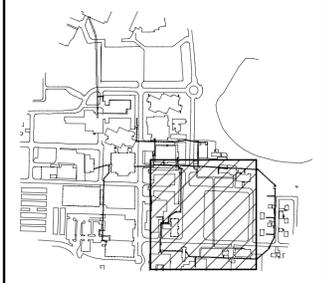


**TENDER**  
NOT FOR CONSTRUCTION



ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF SASKATCHEWAN  
**CERTIFICATE OF AUTHORIZATION**  
AECOM Canada Ltd.  
NUMBER C1667  
PERMISSION TO CONSULT HELD BY:  
DISCIPLINE: SASK. REG. No. SIGNATURE: J. Dayman 13579

Key Plan



Revision	Description	Date
E	Issued For Tender	19/09/30
D	Issued For 99% Review	19/06/21
C	Issued For 85% Review	19/03/15
B	Issued For 50% Review	18/11/13
A	Issued For Review	18/09/07

Client

**Public Works and Government Services Canada**

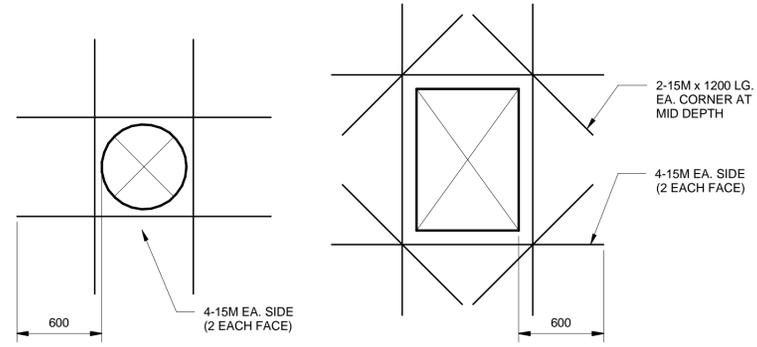
Project Title

**Tunnel Revitalization**

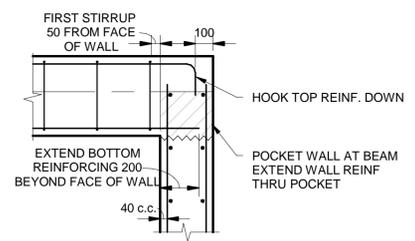
Designed by: C. Klemmer  
Drawn by: O. Muaz  
Approved by: B. Wolfater  
PWGSC Project Manager: J. Dayman  
Drawing Title

Package 1 - TBU43 - Tunnel  
Structural  
Typical Details

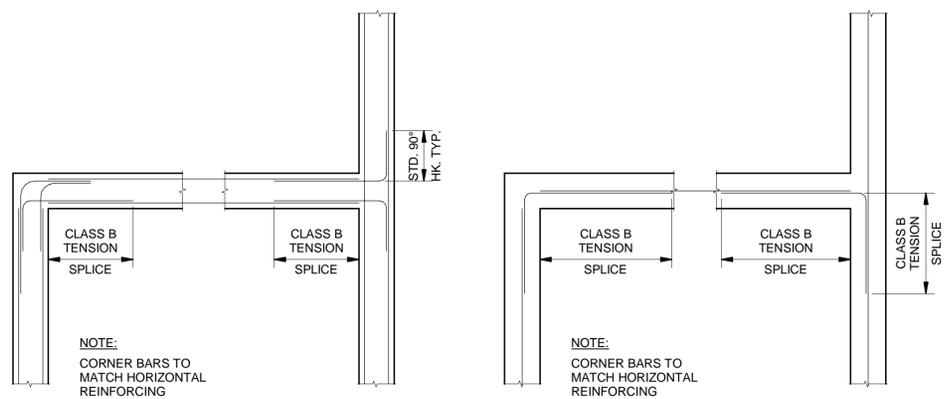
Project no.	Drawing no.	Revision no.
1004259	S1.22	E



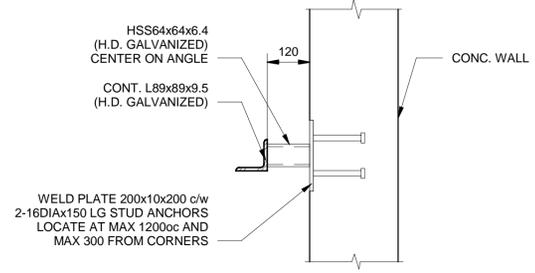
**TYPICAL REINFORCING AT WALL & SLAB OPENINGS**



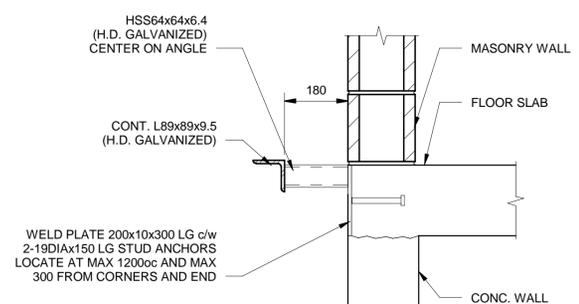
**TYPICAL CONCRETE BEAM AT CONCRETE WALL**



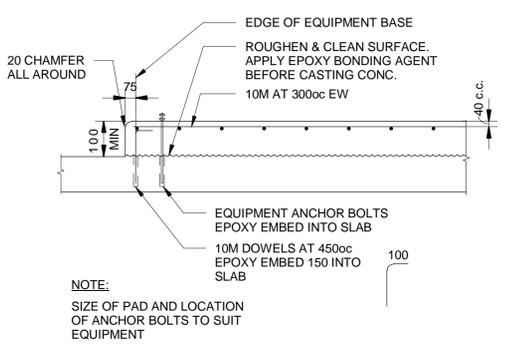
**TYPICAL CONCRETE WALL/GRADE BEAM INTERSECTION**



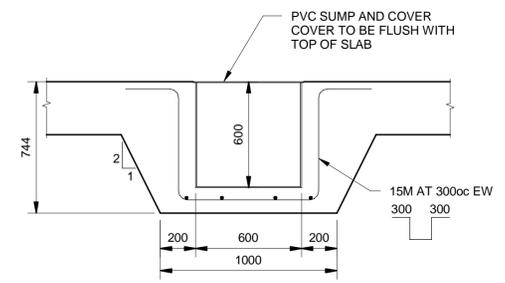
**BRICK SUPPORT TYPE-1**



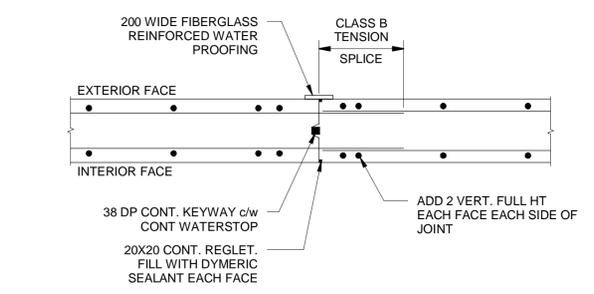
**BRICK SUPPORT TYPE-2**



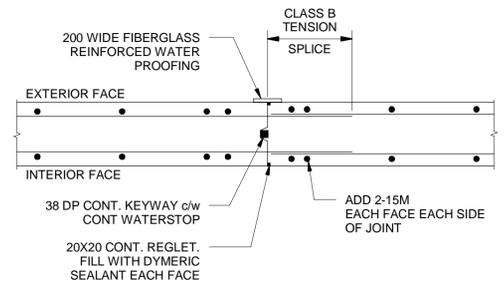
**TYPICAL HOUSEKEEPING PAD**



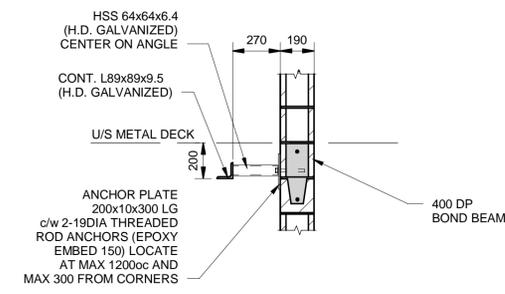
**TYPICAL SUMP PIT**



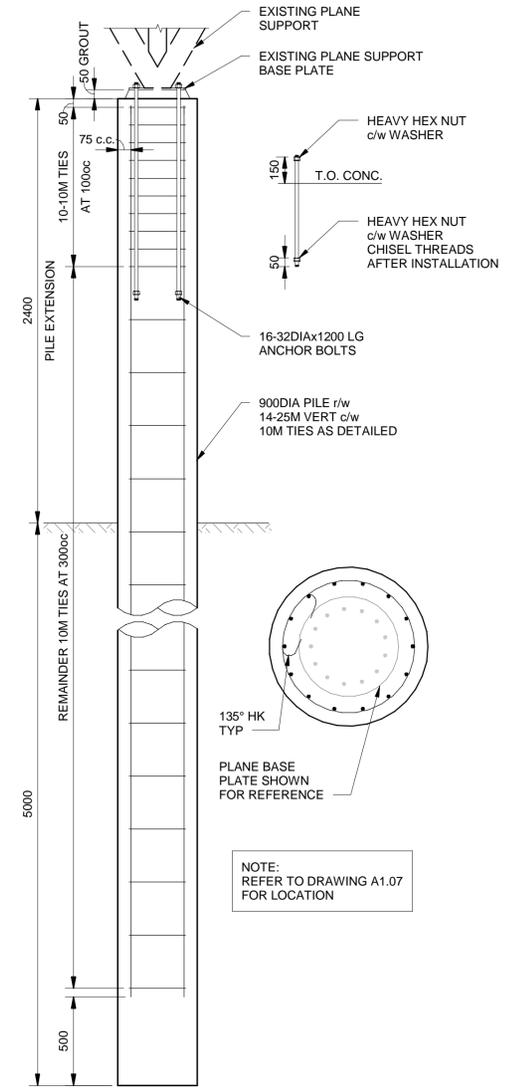
**TYPICAL FOUNDATION WALL CONSTRUCTION JOINT**



**TYPICAL SLAB CONSTRUCTION JOINT**



**BRICK SUPPORT TYPE-3**



**AIR PLANE FOUNDATION**

NOTE: REFER TO DRAWING A1.07 FOR LOCATION