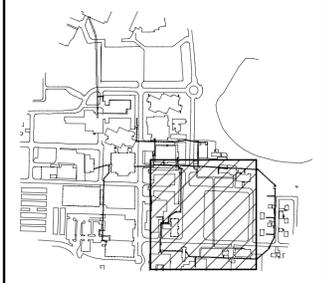


TENDER
NOT FOR CONSTRUCTION



Key Plan



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	Not Issued	-
Revision	Description	Date

Client

Public Works and Government Services Canada

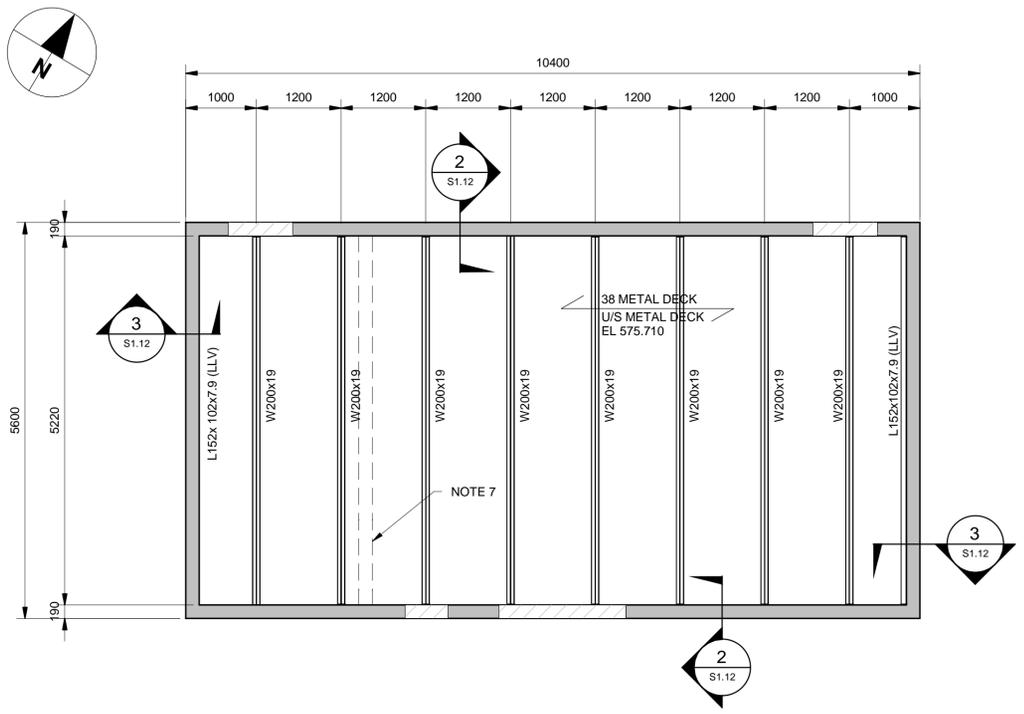
Project Title

Tunnel Revitalization

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

Package 1-TBU43 - Building
Structural
Plan, Details And Standard Details

Project no.	Drawing no.	Revision no.
1004259	S1.12	E



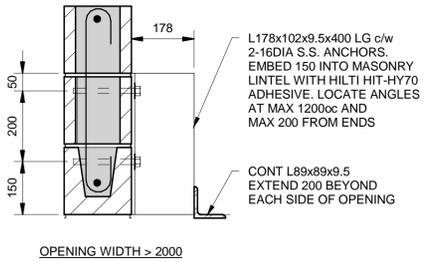
11 MAKE-UP AIR AT TBU43+000 - ROOF PLAN
Scale: 1 : 50

NOTES:

- REFER TO DRAWING S1.00 FOR STRUCTURAL NOTES
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF DOORS
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF LOUVERS
- MASONRY WALL REINFORCING
 - COREFILL AND REINFORCE WITH 1-15M VERTICAL FULL HEIGHT AT MAX 1000cc UNLESS NOTED OTHERWISE
 - INSTALL HORIZONTAL JOINT REINFORCING AT 400cc. LAP REINFORCING MINIMUM 2 CROSSWIRE LOCATIONS
 - REFER TO TYPICAL DETAILS ON THIS DRAWING FOR REINFORCING REQUIREMENTS AT WALL INTERSECTIONS AND CONTROL JOINTS
 - VERTICAL REINFORCING TO BE PROVIDED ABOVE AND BELOW OPENINGS.
 - ALL VERTICALS REINFORCING TO BE CONTINUOUS LAP WITH CLASS B TENSION SPLICE WHERE REQUIRED
 - MASONRY WALL REINFORCING SHALL BE INSPECTED BY ENGINEER PRIOR TO GROUTING
- /// DENOTES MASONRY LINTEL. REFER TO SCHEDULE ON THIS DRAWING
- PROVIDE MASONRY CONTROL JOINTS ON ONE SIDE OF ALL OPENINGS LESS THAN 2.0m IN WIDTH, AND BOTH SIDES OF OPENINGS LARGER THAN 2.0m IN WIDTH
- NON-LOAD BEARING WALL BELOW

LOOSE ANGLE LINTEL SCHEDULE

OPENING WIDTH	ANGLE SIZE
0 - 1200	L89x89x9.5
1200 - 1600	L127x89x9.5 (LLV)
1600 - 2000	L152x89x9.5 (LLV)
> 2000	REFER TO DETAIL



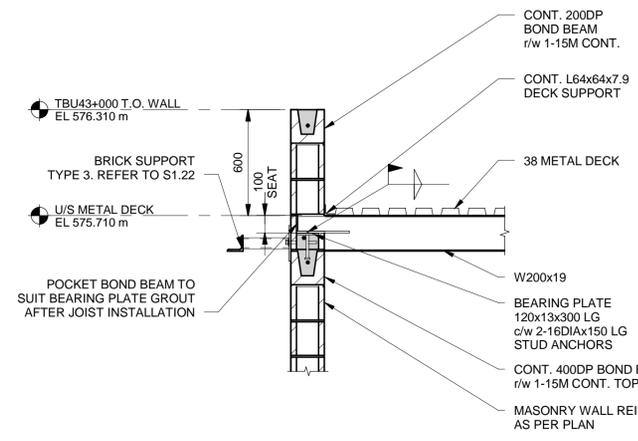
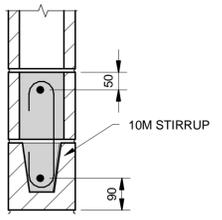
NOTES:

- LOCATE OVER ALL DOORS, WINDOWS, AND MECHANICAL OPENINGS
- FOR LINTELS OVER WINDOWS INCREASE HORIZONTAL LEG TO 127
- ANGLE TO SEAT MINIMUM 200 BEYOND EACH SIDE OF OPENING
- ALL MATERIAL TO BE HOT-DIPPED GALVANIZED

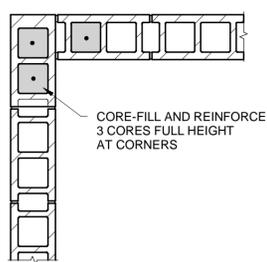
MASONRY LINTEL SCHEDULE

OPENING WIDTH	LINTEL SIZE		REINFORCING	
	WIDTH	HEIGHT	TOP	BOTTOM
0 - 800	190	200	-	1-15M
800 - 2000	190	400	1-15M	1-20M
2000 - 3000	190	600	1-15M	1-20M

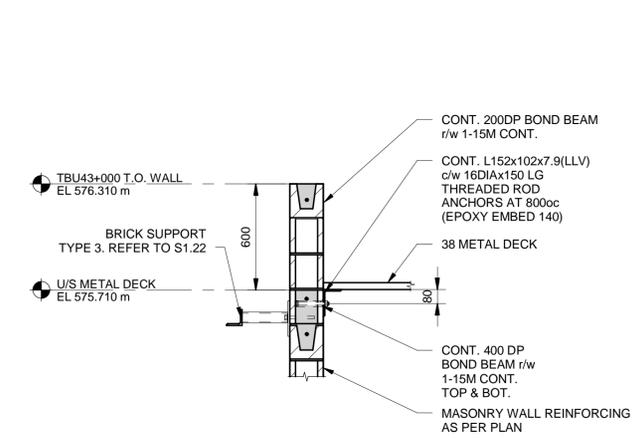
- LINTEL TO BEAR MINIMUM 200 BEYOND EACH SIDE OF OPENING
- WHERE REINFORCING IS REQUIRED TOP AND BOTTOM, PROVIDE 10M STIRRUPS AT 200cc FOR FULL LENGTH OF LINTEL



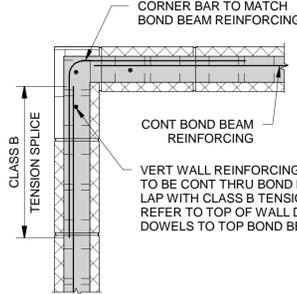
2 DETAIL
S1.12 Scale: 1 : 20



VERTICAL REINFORCING

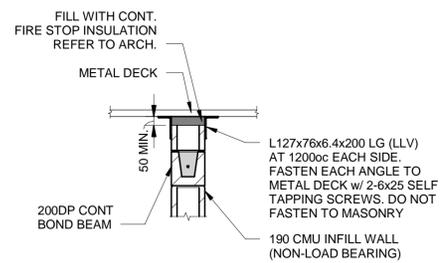


3 DETAIL
S1.12 Scale: 1 : 20

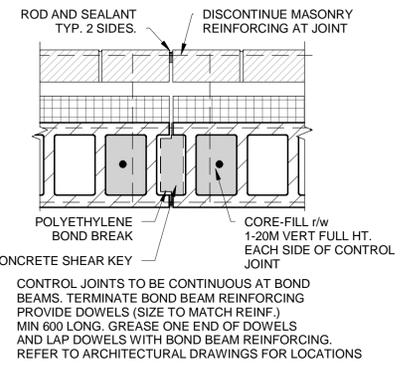


HORIZONTAL REINFORCING

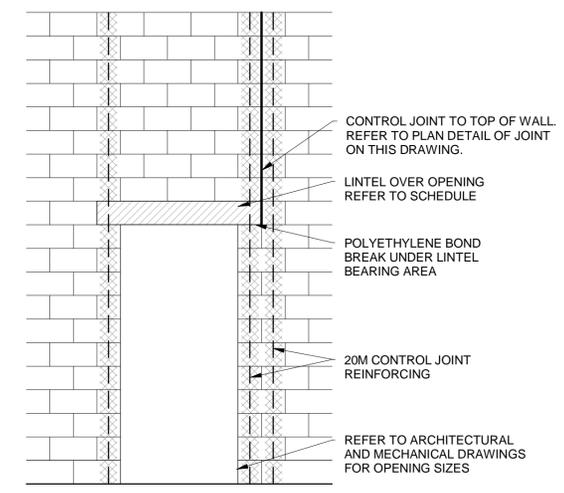
TYPICAL MASONRY WALL INTERSECTION



NON-LOAD BEARING MASONRY WALL AT U/S OF METAL DECK



MASONRY WALL CONTROL JOINT



MASONRY CONTROL JOINT AT OPENINGS