

1 : 100

REFER TO ARCH. PLAN 1/A3.4

### A. GENERAL

- ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE AND ALL STANDARDS REFERENCED THEREIN, LOCAL REGULATIONS AND BYLAWS, AND THE OCCUPATIONAL HEALTH AND SAFETY ACT FOR CONSTRUCTION PROJECTS. THE LATEST VERSIONS OF ALL CODES AND STANDARDS SHALL APPLY.
2. READ THESE DRAWINGS IN CONJUNCTION WITH ALL RELATED CONTRACT DOCUMENTS AND CONSULTANT DRAWINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS IN RELATION TO THE EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
4. DRAWINGS ARE NOT TO BE SCALED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN NECESSARY PERMITS AND TO OBTAIN THE PARTY WITH WHOM THE ENGINEER HAS ENTERED INTO CONTRACT. THERE ARE NO REPRESENTATIONS MADE TO ANY PARTY WITH WHOM THE ENGINEER HAS NOT ENTERED INTO CONTRACT.
6. THE CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING AND INSPECTION COMPANY TO ENSURE THAT THE WORK IS DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, THE CANADIAN STEEL ERECTOR'S ASSOCIATION (CSEA) CODE OF PRACTICE, CANADIAN STEEL ERECTOR'S ASSOCIATION (CSEA) PLACEMENT, CONCRETE TESTING AND STRUCTURAL STEEL.
7. THE ENGINEER SHALL BE GIVEN MINIMUM 24 HOURS NOTICE BY THE CONTRACTOR TO ALLOW THE ENGINEER TO OBSERVE THE WORK. THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE ARE INTENDED FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THE REVIEWS SHALL NOT BE USED AS A BASIS FOR THE CONTRACTOR TO RELY ON THE ENGINEER'S REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS AND OMISSIONS AND FOR MEETING ALL THE REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ALL STANDARDS REFERENCED THEREIN.
8. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION LOADS AND TEMPORARY BRACING TO ENSURE SAFETY AND THE BUILDING IS PLUMBED AND TRUED TO THE ENGINEER'S REQUIREMENTS AND THE ONTARIO BUILDING CODE, 11391.
9. ALL BRACING MEMBERS SHOWN ON THE DRAWINGS ARE DESIGNED FOR THE FINISHED STRUCTURE AND MAY NOT BE SUFFICIENT FOR ERECTION PURPOSES. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR ANY ADDITIONAL BRACING. PROFESSIONAL ENGINEER SHOP DRAWINGS SHALL BE SUBMITTED WITH P.E.ng STAMPS FOR OUR REVIEW PRIOR TO CONSTRUCTION.
10. NO MODIFICATIONS TO THE DRAWINGS OR MATERIALS ARE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

### B. DESIGN PARAMETERS

3. REFERENCE FRAMING PLANS FOR DECK LOADS OF FLOORS AND ROOFS.
- C. LUMBER
1. RECENT VERSIONS OF CSA 086.
2. WOOD FRAMING DESIGN AND CONSTRUCTION SHALL CONFORM TO THE MOST RECENT VERSIONS OF CSA 086.
3. SAWN LUMBER SHALL CONFORM TO THE MOST RECENT VERSION OF CSA STANDARD 0141 AND BE SPT GRADE NO. 2 OR BETTER.
4. ALL JOINTS SHALL BE MADE WITH WIDE NAILS AND SPIKES AS DEFINED IN CSA B111 UNLESS NOTED OTHERWISE.
5. LATERALLY SUPPORT ALL STEEL BEAMS BY PRE-DRILLING FLANGES FOR 13mm (1/2") BOLTED ATTACHMENT OF WOOD NAILED WITH 16mm (5/8") HOLES STAGGERED AT 600mm (24") C/C.
6. PROVIDE SOLID HORIZONTAL BLOCKING AT 1200mm (48") O.C. IN THE FIRST TWO (2) FLOOR LEVELS AND TO EXTERIOR WALLS. BRIDGING SHALL BE ATTACHED TO THE EXTERIOR WALL TO PROVIDE LATERAL STABILITY.
7. ALL NAILS SHALL BE HOT DIP GALVANIZED OR PRESSURE TREATED WOOD SHALL BE TO HOT DIP GALVANIZED OR STEELLESS STEEL.

### C. LUMBER

3. WOOD FRAMING DESIGN AND CONSTRUCTION SHALL CONFORM TO THE MOST RECENT VERSIONS OF CSA 086.
4. SAWN LUMBER SHALL CONFORM TO THE MOST RECENT VERSION OF CSA STANDARD 0141 AND BE SPF GRADE NO. 2 OR BETTER.
5. NAILS SHALL CONFORM TO STEEL WIRE NAILS AND SPIKES AS DEFINED IN CSA 0111 UNLESS NOTED OTHERWISE.
6. LATERALLY SUPPORT ALL STEEL BEAMS BY PRE-DRILLING FLANGES FOR 13mm (1/2") BOLTED ATTACHMENT OF WOOD NAILERS WITH 16mm (5/8") HOLES STAGGERED AT 600mm (24") O.C.
7. PROVIDE JOIST HORIZONTAL BLOCKING AT 1200mm (48") O.C. IN THE FIRST TWO JOIST SPACES ADJACENT TO THE EXTERIOR WALLS. BRIDGING SHALL BE USED TO BE ATTACHED TO THE JOIST TO PROVIDE LATERAL STABILITY.
8. ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD ARE TO BE HOT DIP GALVANIZED OR STAINLESS STEEL.



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, "HAZARDOUS MATERIALS" FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT

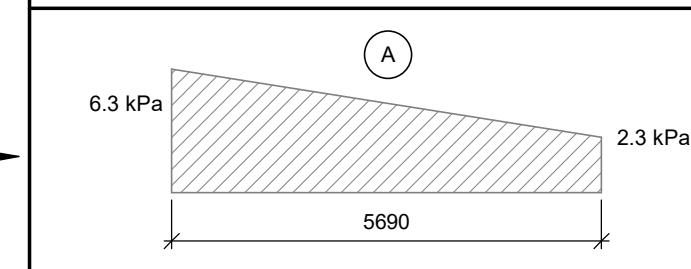
**ASSUMED EX. CONDITIONS AS NOTED.  
CONTRACTOR TO SITE VERIFY  
EXISTING FRAMING AND REPORT BACK  
TO WDE IF SITE CONDITIONS VARY.**

EX. ROOF FRAMING  
SUPPORTING NEW MECH. UNITS  
TO BE SITE VERIFIED, ROOF  
REINFORCING MAY BE REQ'D

CONDENSING UNITS (NEW)

NEW CU UNIT = 400 lbs (MAX.)  
(INCLUDES STANDS + PAVERS BY OTHERS)

EX DRIFT LOAD - HIGH ROOF



ROOF DESIGN LOAD - OWSJ

DL = 1.2 kPa  
SL = 2.3 kPa + EXISTING HIGH ROOF DRIFT LOAD

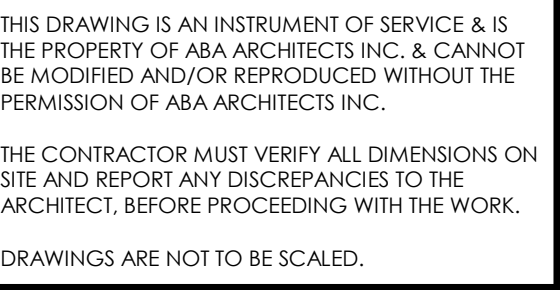
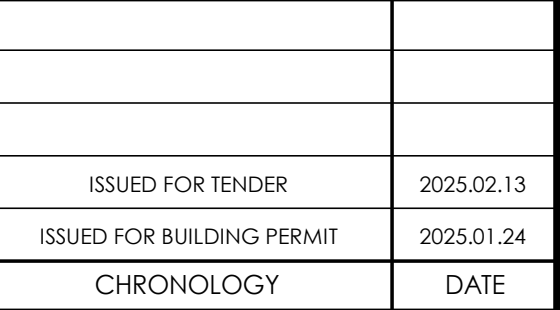
## HIGH ROOF DESIGN LOAD - WOOD FRAMING

DL = 1.2 kPa  
SL = 2.3 kPa + EXISTING HIGH ROOF DRIFT LOAD

## ROOF FRAMING NOTES

1. ENSURE DRAWINGS ARE USED IN COORDINATION W/  
ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. CONTRACTOR TO PROVIDE TEMPORARY SHORING AS REQ'D.

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PROJECT NAME

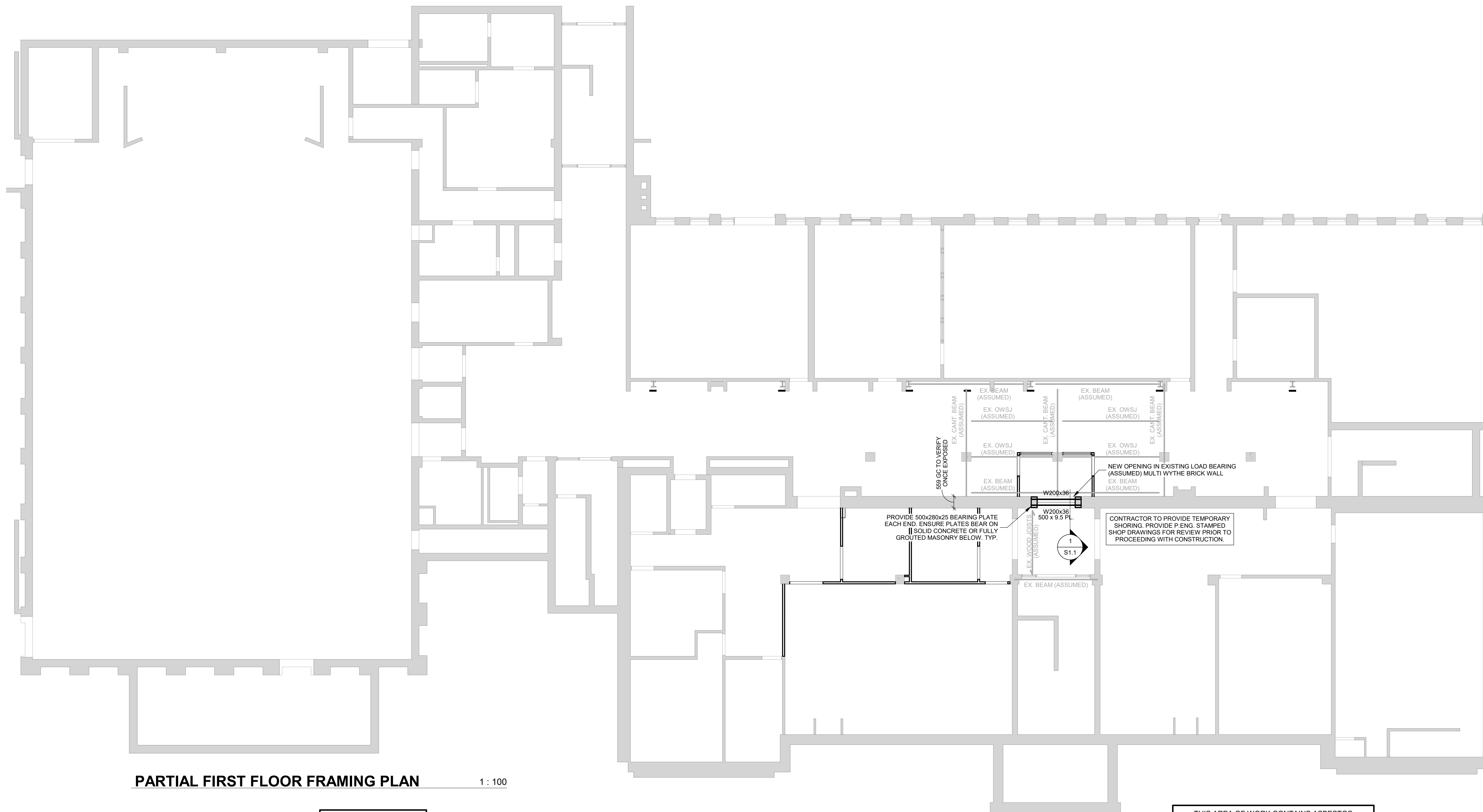
COURTLAND PUBLIC SCHOOL  
INTERIOR RENOVATION  
& HVAC UPGRADES

107 COURTLAND AVE E, KITCHENER, ON N2G 2T9

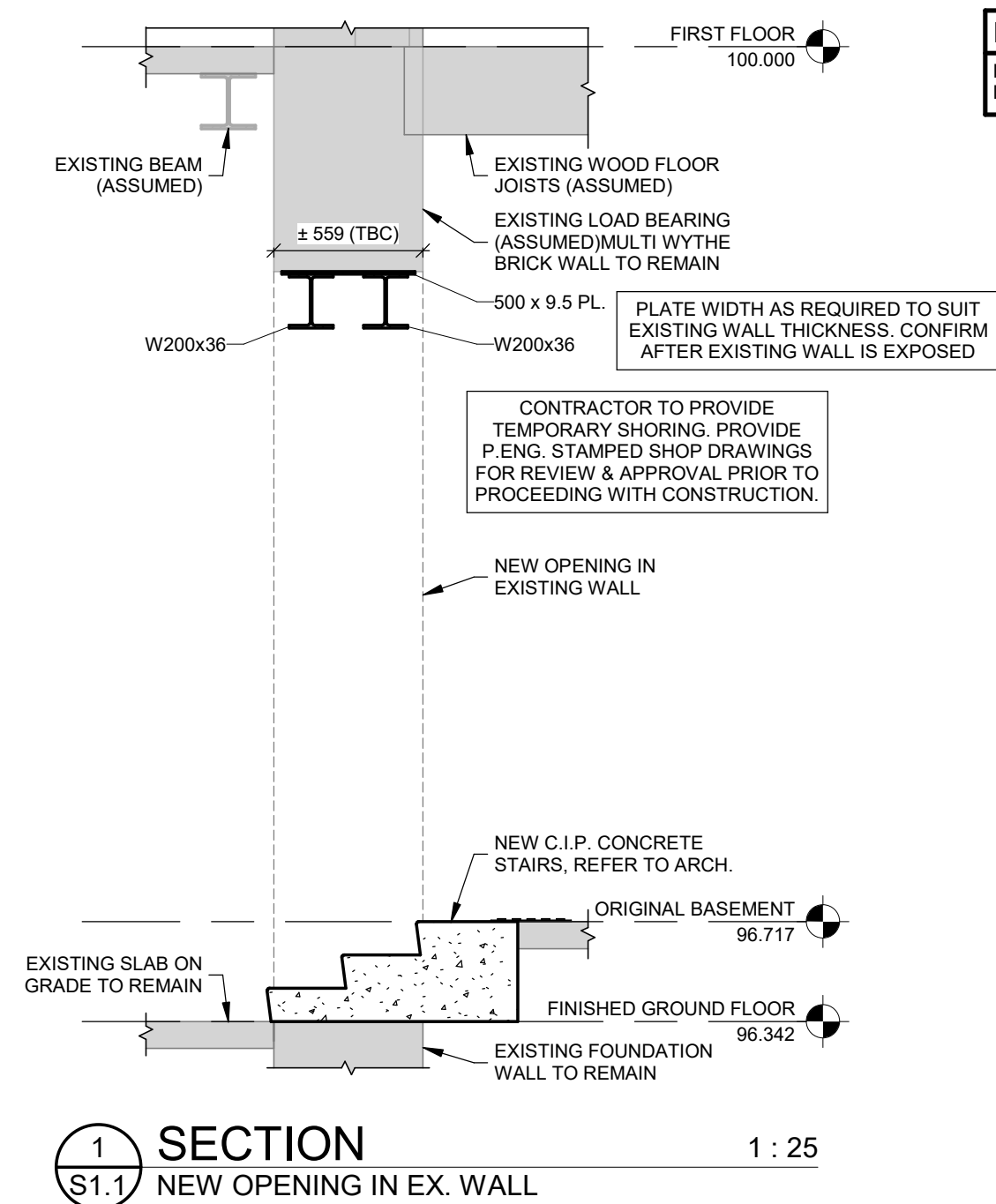
DRAWING TITLE

PARTIAL FIRST FLOOR  
FRAMING PLAN &  
SECTION

SCALE	DRAWING NUMBER
As indicated	S1.1
SHEET SIZE	
24X36	
PROJECT NUMBER	
11281-302	



**PARTIAL FIRST FLOOR FRAMING PLAN** 1 : 100



FLOOR DESIGN LOAD  
DL = 1.2 kPa  
LL = 4.8 kPa

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