

GENERAL NOTES

1	ISSUED FOR PERMIT	06 JUNE 24	J.S.
2	ISSUED FOR TENDER	07 AUG. 24	J.S.

A. EXAMINATION OF SITE AND DRAWINGS

1. VISIT THE SITE AND EXAMINE IT FOR ALL CHARACTERISTIC FEATURES AFFECTING NEW CONSTRUCTION. COMPARE THE ACTUAL ORIGINAL ELEVATIONS WITH THOSE SHOWN ON PLAN. CHECK ALL DIMENSIONS, LEVELS AND DETAILS SHOWN ON STRUCTURAL DRAWINGS AGAINST MECHANICAL, ELECTRICAL, AND OTHER RELEVANT DRAWINGS. REPORT ANY DISCREPANCIES TO OWNER BEFORE SUBMITTING PRICE. REPORT ANY DISCREPANCY TO THE CLIENT BEFORE COMMENCEMENT OF WORK.
2. EXISTING STRUCTURE IS SHOWN DOTTED AND SHALL REMAIN, UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. ANY STRUCTURE NOT SHOWN DOTTED SHALL BE ASSUMED TO BE NEW.
3. OBTAIN ALL DETAILS AND DIMENSIONS OF EXISTING WORK IN FIELD AND INCORPORATE SAME INTO NEW CONSTRUCTION. IF DETAILS VARY FROM WHAT IS ASSUMED IN DRAWINGS CONTACT CLIENT IMMEDIATELY.
4. WHERE TWO OR MORE INTERPRETATIONS CAN BE MADE FROM THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS RELATING TO STRUCTURAL ITEMS, THE MOST EXPENSIVE INTERPRETATION SHALL BE ASSUMED FOR PRICING.
5. NO ALLOWANCE WILL BE MADE FOR DIFFICULTIES ENCOUNTERED OR EXPENSES INCURRED RESULTING FROM CONDITIONS CONSIDERED KNOWN AT THE TIME THE TENDERS ARE OPEN.
6. COMPLY WITH THE PROVINCIAL BUILDING CODE, NATIONAL BUILDING CODE, CANADIAN CONSTRUCTION CODE, LOCAL BY-LAWS AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. THE MORE STRINGENT REQUIREMENTS SHALL APPLY IN CASE OF DISCREPANCIES OR CONFLICTS.
7. UNDER NO CIRCUMSTANCES SHALL STRUCTURAL DRAWINGS BE USED TO DETERMINE THE EXTENTS OF DEMOLITION. DEMOLITION MUST BE COORDINATED BY THE GENERAL CONTRACTOR BY USING CLIENT DRAWINGS.
8. J.P. SAMUEL & ASSOC. LTD. SHALL NOT TAKE RESPONSIBILITY FOR AREAS TO BE DEMOLISHED NOT SHOWN ON STRUCTURAL DRAWINGS. GENERAL CONTRACTOR MUST COORDINATE DEMOLITIONS WITH CLIENT/MECHANICAL & ELECTRICAL DRAWINGS. SHOULD DEMOLITION ON OTHER DRAWINGS INTERFERE WITH THE INTENT OF THE STRUCTURAL DRAWINGS, DO NOT PROCEED WITH WORK UNTIL ISSUES HAVE BEEN RESOLVED WITH ALL CONSULTANTS.

B. PLANNING OF CONSTRUCTION

1. ALL REQUIREMENTS FOR MECHANICAL EQUIPMENT AND ANY OTHER TRADES OR SERVICES AFFECTING THE STRUCTURE, SHALL BE ESTABLISHED IN CONSULTATION WITH CORRESPONDING MANUFACTURERS OR SUPPLIERS AND CLIENT.

2. DRAINAGE SHALL BE WORKED IN CONFORMITY TO RELEVANT DETAILS. REPORT ANY DEVELOPING PROBLEMS TO CLIENT AND OBTAIN THE NECESSARY INSTRUCTIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- C. CONSTRUCTION PROCEDURES AND SAFETY**
1. J.P. SAMUEL AND ASSOCIATES LTD. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION SAFETY, MEANS, TECHNIQUES AND CONSTRUCTION PROCEDURES OR ANY TEMPORARY WORK AS MAY BE REQUIRED BY THE CONSTRUCTOR TO BUILD AND COMPLETE THE STRUCTURE IN CONFORMITY WITH CONTRACT DOCUMENTS. CONTRACTOR TO RETAIN AN INDEPENDENT STRUCTURAL ENGINEER TO CARRY OUT THE NECESSARY TECHNIQUES TO BE USED TO BUILD AND COMPLETE THE STRUCTURE ACCORDING TO THE CONTRACT DOCUMENTS AND SAFETY GUIDELINES FROM LOCAL CODES/AUTHORITIES. CONTRACTOR SHALL SUPPLY DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER TO J.P. SAMUEL & ASSOC.
 2. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION STRESSES AND FOR SUFFICIENT TEMPORARY BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT AT ALL PHASES OF THE WORK, UNTIL COMPLETION (INCLUDING MASONRY WALLS, FLOOR AND ROOF DECKS, ETC). ANY BRACING MEMBERS SHOWN ON PLANS ARE THOSE REQUIRED FOR THE FINISHED STRUCTURE, AND MAY NOT BE SUFFICIENT FOR ERECTION PURPOSES.
 3. ALL CONSTRUCTION WORK FOR TEMPORARY SHORING AND BRACING OF EXISTING STRUCTURE SHALL BE DONE ONLY AFTER PERMISSION HAS BEEN GRANTED BY THE CONSTRUCTION HEALTH AND SAFETY BRANCH OF THE GOVERNING MINISTRY OF LABOUR.
 4. PROTECT EXISTING BUILDINGS, TREES, FENCING, UTILITIES POLES, CABLES, ACTIVE UNDERGROUND SERVICES AND PAVING ON THE SITE OR ANY ADJOINING PROPERTIES FROM DAMAGE. ANY DAMAGE RESULTING FROM THIS CONSTRUCTION WORK SHALL BE MADE GOOD TO THE APPROVAL OF OWNER AT NO COST TO THE OWNER.
 5. TRUCKS, CRANES, HOISTS, OR ANY HEAVY EQUIPMENT OR MATERIALS ARE NOT ALLOWED TO ENTER ANY STRUCTURAL FLOOR OR ROOF AREA UNLESS SPECIFICALLY DESIGNED AND DESIGNATED FOR THESE PURPOSES. INSTALL TEMPORARY BARRIERS TO PREVENT ACCIDENTAL OVERLOADING DURING CONSTRUCTION. DESIGN, INSTALL AND MAINTAIN ADEQUATE SHORING SYSTEM AS REQUIRED TO CARRY ANY SUCH TEMPORARY LOADING FROM CONSTRUCTION MATERIALS AND/OR EQUIPMENT.
 6. NOTIFY CLIENT IMMEDIATELY UPON DISCOVERY OF ANY CONSTRUCTION ERROR, OMISSION, DEFECTIVE WORK, ETC., SO THAT THE MOST ECONOMICAL REMEDIAL MEASURES MAY BE DESIGNED AT THE EARLIEST POSSIBLE TIME.
 7. DO NOT PROCEED WITH ANY REPAIR WORK UNTIL INSPECTION AND WRITTEN INSTRUCTIONS ARE OBTAINED FROM CLIENT AND THE ENGINEER.

8. GENERAL CONTRACTOR SHALL NOTIFY MECHANICAL/ELECTRICAL CONTRACTORS THAT SUPPORTS AND THE DESIGN OF SUCH SUPPORTS TO CARRY MECHANICAL/ELECTRICAL EQUIPMENT SHALL BE BY THE MECHANICAL/ELECTRICAL CONTRACTORS. OBTAIN STRUCTURAL ENGINEERS APPROVAL TO CONNECT TO EXISTING BUILDING STRUCTURE. DESIGN OF SUPPORTS SHALL BE STAMPED BY A QUALIFIED STRUCTURAL ENGINEER RETAINED BY THE MECHANICAL/ELECTRICAL CONTRACTOR.

ANALYSIS AND DESIGN OF STRUCTURE

EXAMINE ALL DRAWINGS, SPECIFICATIONS AND REMAINING CONTRACT DOCUMENTS TO OBTAIN ALL APPLICABLE LOADINGS. REPORT ANY DISCREPANCIES TO OWNER.

REVIEW OF CONSTRUCTION

1. CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR FULL SUPERVISION OF CONSTRUCTION WORK. SITE VISITS AND REVIEW BY DESIGN ENGINEER OR HIS REPRESENTATIVE ARE INTENDED FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. HIS REVIEW SHALL NOT MEAN THAT J.P. SAMUEL AND ASSOCIATES INC., HAS SEEN ALL CONSTRUCTION PROCEDURES. RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONSTRUCTOR PERFORMING THE WORK. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS AND OMISSIONS AND FOR MEETING ALL THE REQUIREMENTS OF THE CONSTRUCTION AND CONTRACT DOCUMENTS.
2. NOTIFY J.P. SAMUEL AND ASSOCIATES INC. 24 HOURS IN ADVANCE OF ANY REQUIRED SITE VISIT. NO ACCEPTANCE WILL BE GIVEN FOR ANY WORK THAT HAS NOT BEEN REVIEWED BY OUR REPRESENTATIVE.
3. NOTIFY CLIENT SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW FOR ASSIGNMENT OF LABORATORY PERSONNEL & SCHEDULING OF TEST, SHOP INSPECTIONS, ETC.
4. PAY COSTS FOR UNCOVERING AND MAKING GOOD WORK THAT IS COVERED BEFORE REQUIRED INSPECTION OR TESTING IS COMPLETED & ACCEPTED BY CLIENT.



PLANS AND SPECIFICATIONS ARE THE PROPERTY OF THE ENGINEER AND MUST BE RETURNED UPON REQUEST. PLANS MUST NOT BE USED IN ANY OTHER LOCATION WITHOUT WRITTEN PERMISSION OF THE ENGINEER. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED BY THE ENGINEER. SIGNATURE: _____ DATE: _____

<p>J. P. SAMUEL AND ASSOCIATES INC. STRUCTURAL ENGINEERS</p> <p>1040 Garner Road West, Suite C203 Ancaster, ON L9G 0J2 Tel: (647) 671-8530 email: jsamuel@jpsamuel.com www.jpsamuel.com</p>	CLIENT:	PROJECT:	DRAWING:	DRAWN BY:	DATE:
	TANCO ENGINEERING Ltd	WALL VENT AND FLOOR DUCT OPENING	GENERAL NOTES - 1	J.J	DEC. 19, 2023
	80 NASHDENE Road, SCARBOROUGH, ON M1V 5E4	150 DISCO RD, ETOBICOKE, ON M9W 1M4		CHECKED BY:	JOB No.
				J.S.	2023-JPS-156
				SCALE:	DRAWING No.
				AS NOTED	S0.01

CONCRETE NOTES

1. CONCRETE AND REBAR NOTES

1. ALL CONCRETE WORK SHALL CONFORM TO CAN/CSA – A23.1/A23.2-04 "CONCRETE MATERIAL & METHODS OF CONCRETE CONSTRUCTION/METHODS OF TEST AND STANDARD PRACTICES FOR CONCRETE
2. CONCRETE, FOR FOUNDATION WALLS, SHALL CONFORM TO THE FOLLOWING:
 - CEMENT – NORMAL TYPE 10 PORTLAND CEMENT (60% CONTENT)
 - STRENGTH – 25 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS
 - SLUMP – 76mm +/-19mm (3" +/-3/4") BEFORE ADMIXTURE
 - ADMIXTURES – MIDRANGE WATER REDUCING STRENGTH INCREASING ADMIXTURE
 - AIR ENTRAINMENT –NONE
 - AGGREGATES – NATURAL SAND, GRAVEL, CRUSH ROCK, 19mm (3/4") MAX. AGGREGATE SIZE UNLESS NOTED ON CONTRACT DRAWINGS
 - CURING – WET CURE OR 2 COATS OF ACRYLIC CURE AND SEAL ALSO SEE CONCRETE FINISHING AND CURING NOTES.
- COVER TO REINFORCING – PER CSA STANDARD A23.3
3. REINFORCING SHALL BE CANADIAN BILLET STEEL DEFORMED BARS IN ACCORDANCE WITH CSA G30.18 GRADE 400 (400MPA).
4. REINFORCING DETAILS & WORKMANSHIP SHALL BE IN ACCORDANCE WITH CAN/CSA – A23.1/A23.2 AND STANDARD A23.3
5. COVER TO REINFORCING SHALL BE IN ACCORDANCE WITH CAN/CSA-A23.1/A23.2 AND A23.3.
6. WHERE COLD OR HOT WEATHER FORECAST, ADHERE STRICTLY TO CSA A23.1
7. NO SPLICING IS PERMITTED UNLESS SPECIFICALLY APPROVED BY ENGINEER.
8. MINIMUM LAP SPLICES AND DEVELOPMENT LENGTHS MUST FOLLOW CSA STANDARD A23.3 UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS. ALL SPLICES SHALL BE CLASS C.
9. ALL EXPOSED REINFORCEMENT ENDS DUE TO CONCRETE CHIPPING SHALL BE PAINTED WITH EPOXY.
10. ALL GROUT SHALL BE CPD NON-SHRINK, NON-CORROSIVE AND SHALL CONTAIN NON-FERROUS MATERIALS WITH MINIMUM EXPANSION UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS. MINIMUM COMPRESSIVE STRENGTH TO BE 40 MPA AFTER 3 DAYS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
11. MINIMUM CONCRETE COVER TO REINFORCEMENT IN NON-CORROSIVE ENVIRONMENT:
 - ALL CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OR ROCK TO BE 76mm (3").
 - ALL CONCRETE BEAMS AND COLUMNS NOT EXPOSED TO EARTH OR WEATHER TO BE 38mm (1 1/2").
 - ALL CONCRETE SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER TO BE 25mm (1").
12. MID-RANGE WATER REDUCING ADMIXTURES MAY BE USED UNLESS NOTED OTHERWISE (SEE ABOVE). NO CALCIUM CHLORIDE MAY BE USED.

2. CONCRETE FINISHING AND CURING

1. THE FLOOR SLAB AREA SHALL HAVE A STEEL TOWELED SURFACE AND SHALL BE CURED AS NOTED IN THE CONCRETE NOTES
2. WHERE NEW CONCRETE IS TO BE PLACED AGAINST EXISTING CONCRETE, EXISTING CONCRETE MUST BE THOROUGHLY CLEANED TO REMOVE OIL, GREASE, AND DIRT AND BE SURFACE 'CHIPPED' A MINIMUM OF 13mm (1/2") PRIOR TO PLACEMENT OF NEW CONCRETE UNLESS NOTED OTHERWISE ON DRAWINGS. APPLICATION OF AN APPROVED BONDING AGENT SHALL BE APPLIED AT ALL INTERFACES BETWEEN NEW AND OLD CONCRETE WHERE BONDING IS REQUIRED AS PART OF THE DESIGN.

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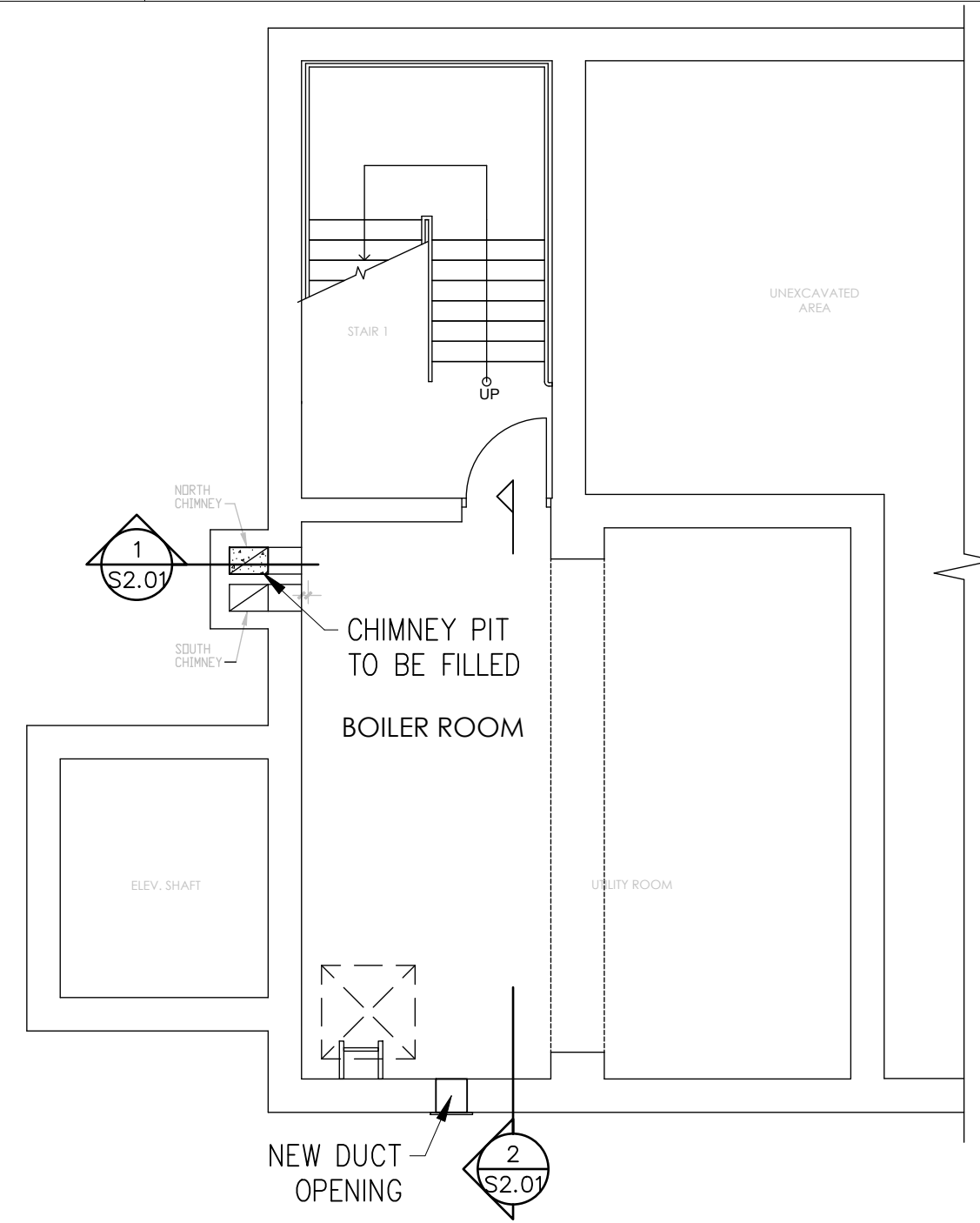


BUILDING LOCATION



 J. P. SAMUEL AND ASSOCIATES INC. STRUCTURAL ENGINEERS 1040 Garner Road West, Suite C203 Ancaster, ON L9G 0J2 Tel: (647) 671-8530 email: jsamuel@jpsamuel.com www.jpsamuel.com	CLIENT: TANCO ENGINEERING Ltd 80 NASHDENE Road, SCARBOROUGH, ON M1V 5E4	PROJECT: WALL VENT AND FLOOR DUCT OPENING 150 DISCO RD, ETOBICOKE, ON M9W 1M4	DRAWING: GENERAL NOTES – 2	DRAWN BY: J.J DATE: DEC. 19, 2023
				CHECKED BY: J.S. JOB No. 2023-JPS-156
				SCALE: AS NOTED DRAWING No. S0.02

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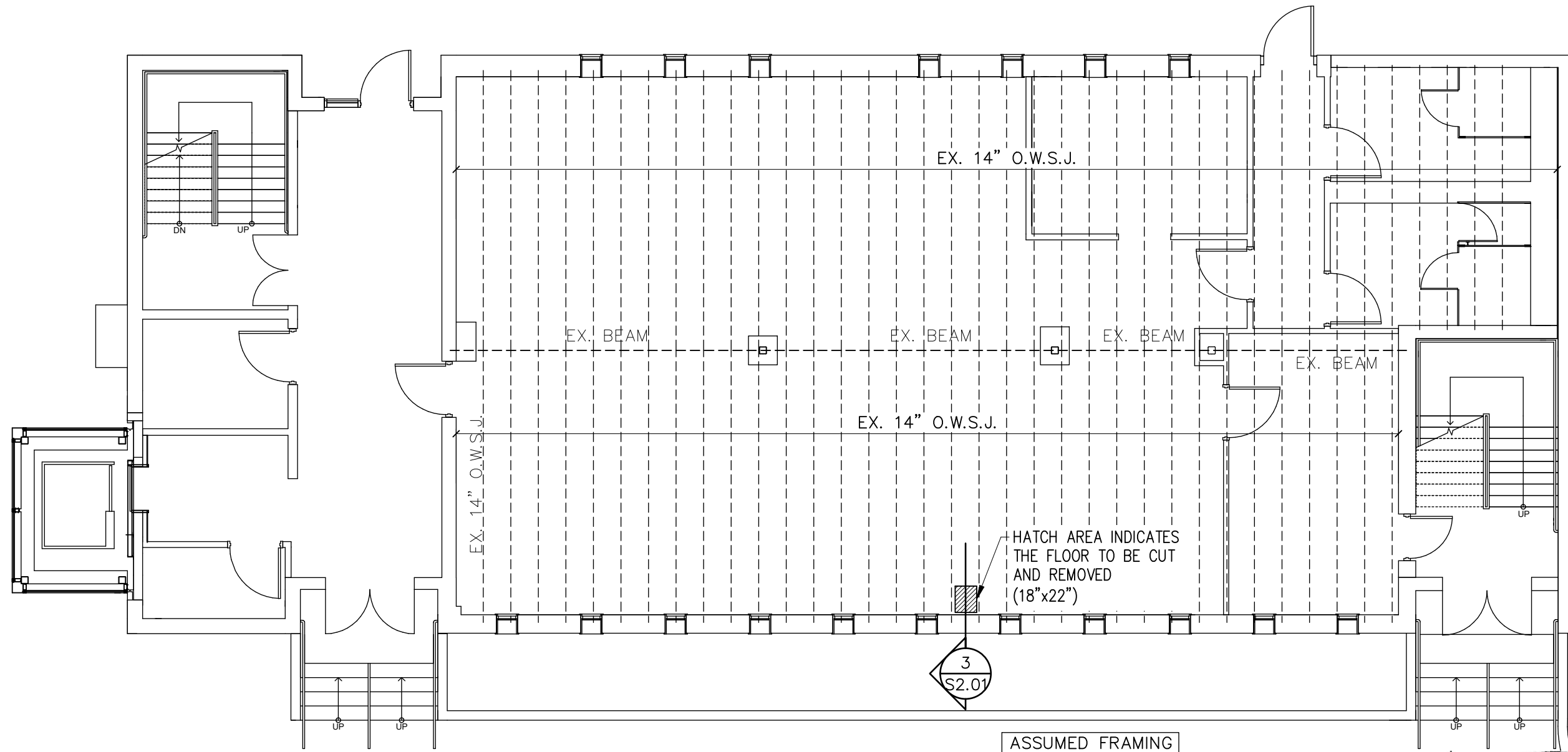
PARTIAL GROUND FLOOR PLAN 1
SCALE = 1:75 S1.01



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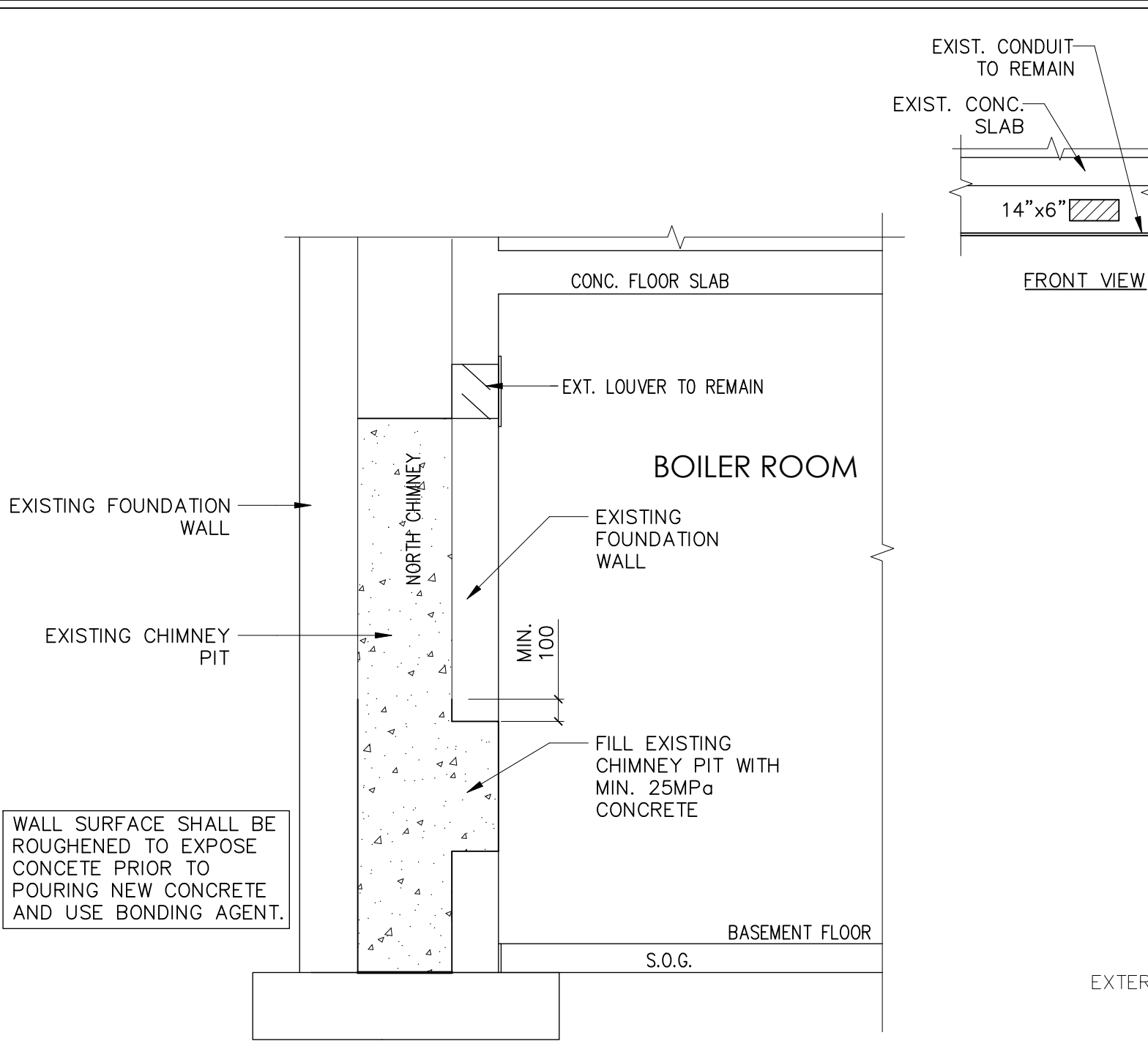
2nd FLOOR FRAMING PLAN 1
 N.T.S. S1.02



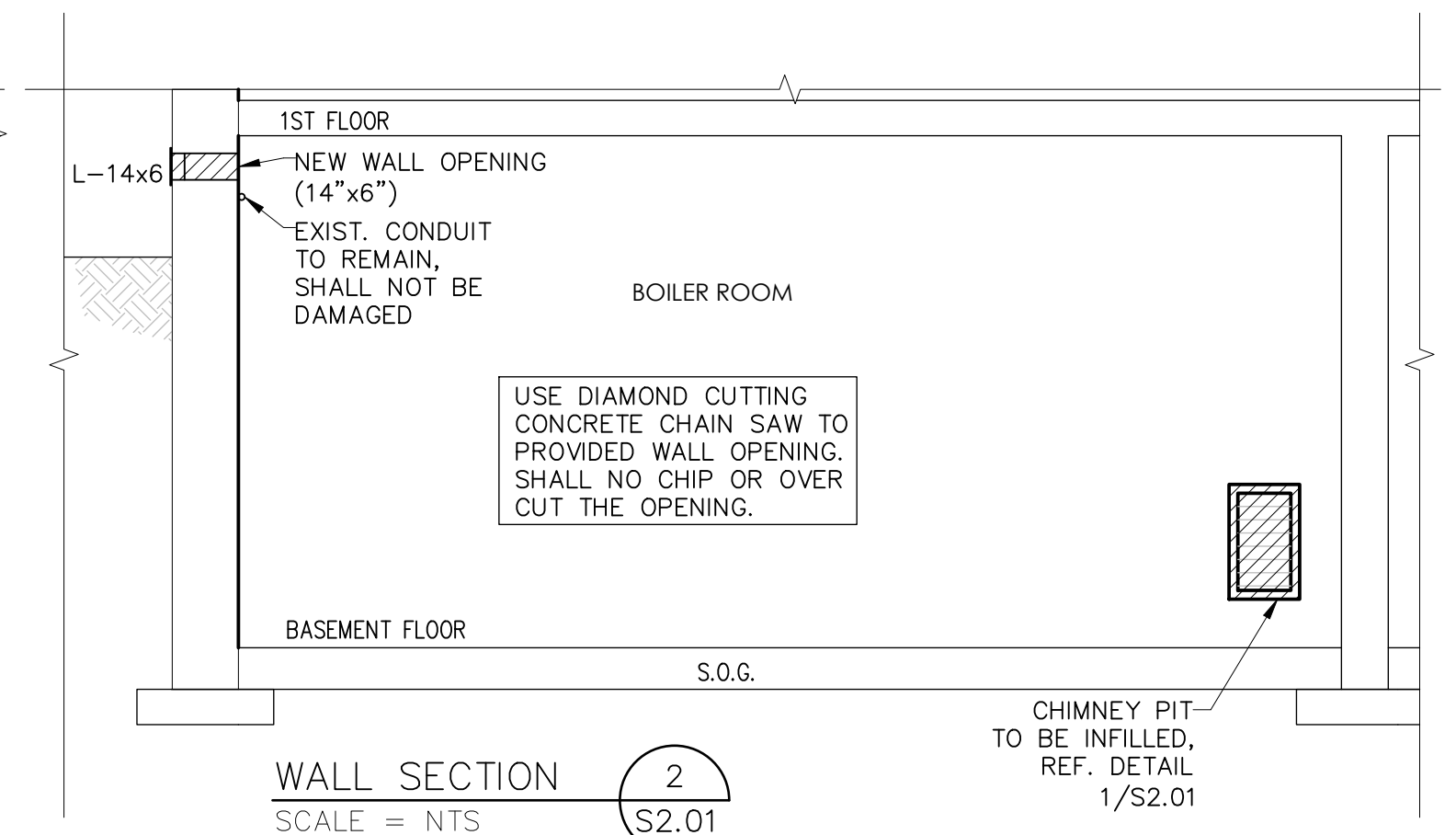
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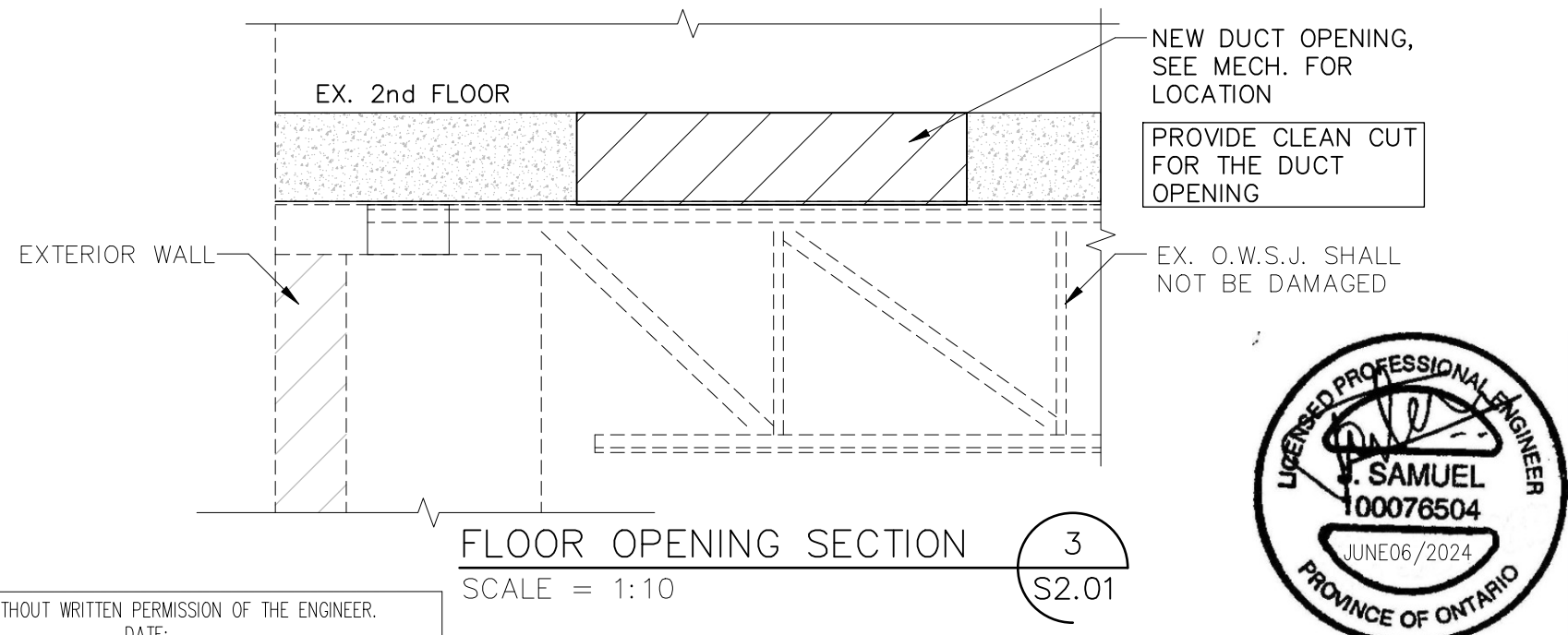
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CHIMNEY SECTION 1
SCALE = 1:25



WALL SECTION 2
SCALE = NTS



FLOOR OPENING SECTION 3
SCALE = 1:10



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