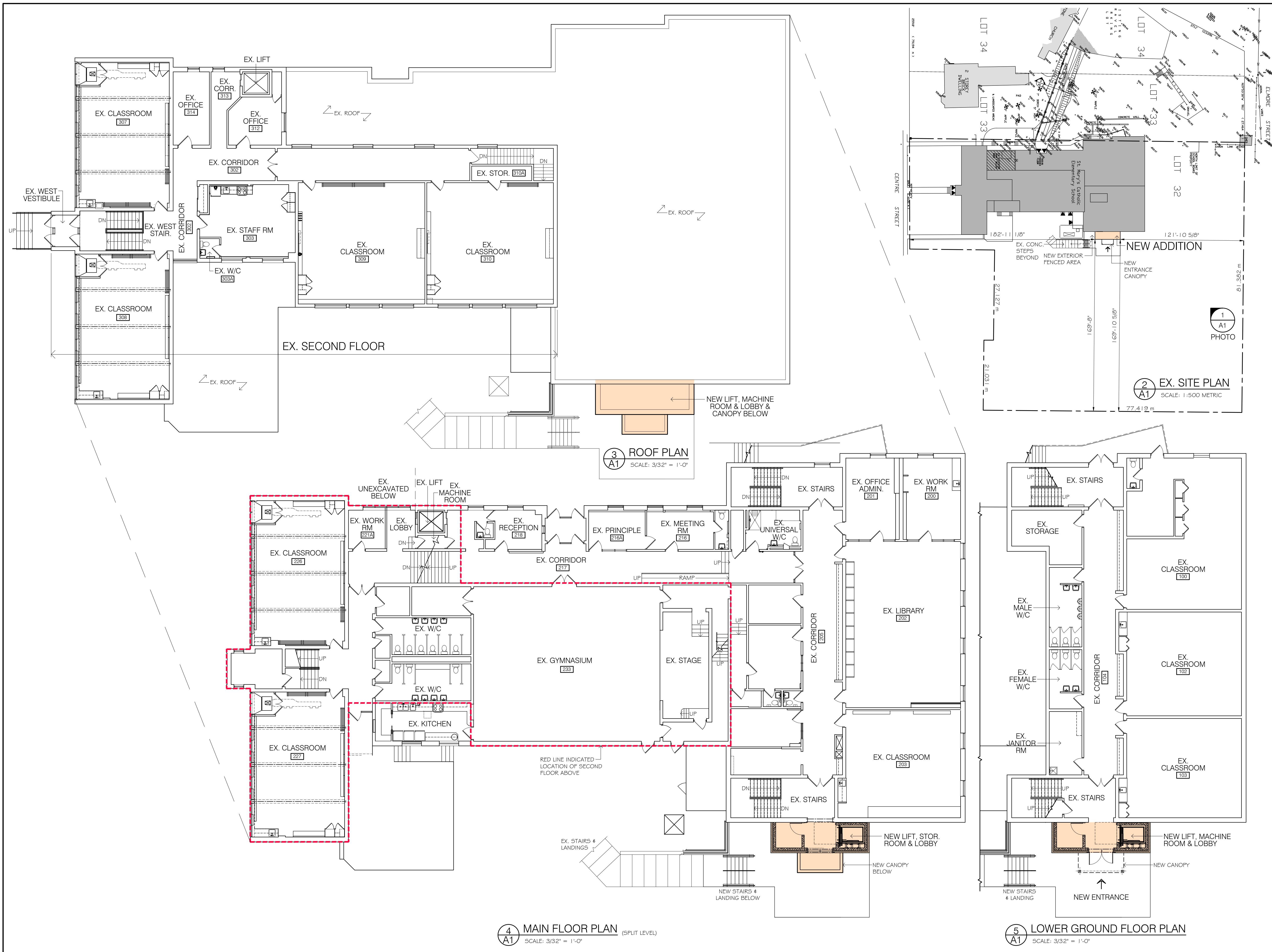




1 EX. PHOTO
SCALE: N.T.S.

GENERAL NOTES

- EXTERIOR WALL DIMENSIONS TO OUTSIDE FACE OF FOUNDATION WALLS.
- INTERIOR WALL DIMENSIONS TO D'WALL/CONC. BLOCK
- DOOR AND WINDOW DIMENSIONS TO C. OF R.S.O. (R.S.O. TO BE DETERMINED BY WINDOW/DOOR MANUFACTURER).
- MAKE GOOD ALL FINISHES WHICH HAVE BEEN ALTERED DUE TO RENOVATIONS.
- ALL WORK TO MEET OR EXCEED O.B.C. STANDARDS.

- EX. DOOR
- NEW DOOR or RELOCATED

FOR PERMIT & TENDER FEB 6, 2026

ISSUED: DATE:

THIS DRAWING IS COMPLEMENTARY & MUST BE READ IN CONJUNCTION WITH ALL THE OTHER DRAWINGS AND/OR SPECIFICATIONS. REPORT ANY INCONSISTENCIES TO THE ARCHITECT.

PROJECT:
RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL

35 CENTRE ST, CAMPBELLFORD, ON K0L 1 L0

DRAWING TITLE:
**EXISTING FLOOR PLANS
EX. SCHOOL PLANS
& NEW ADDITION LOCATION**

SCALE: AS NOTED DRAWING NUMBER:

DRAWN BY: SV

CHECKED BY: GW

A1
OF 5
24060

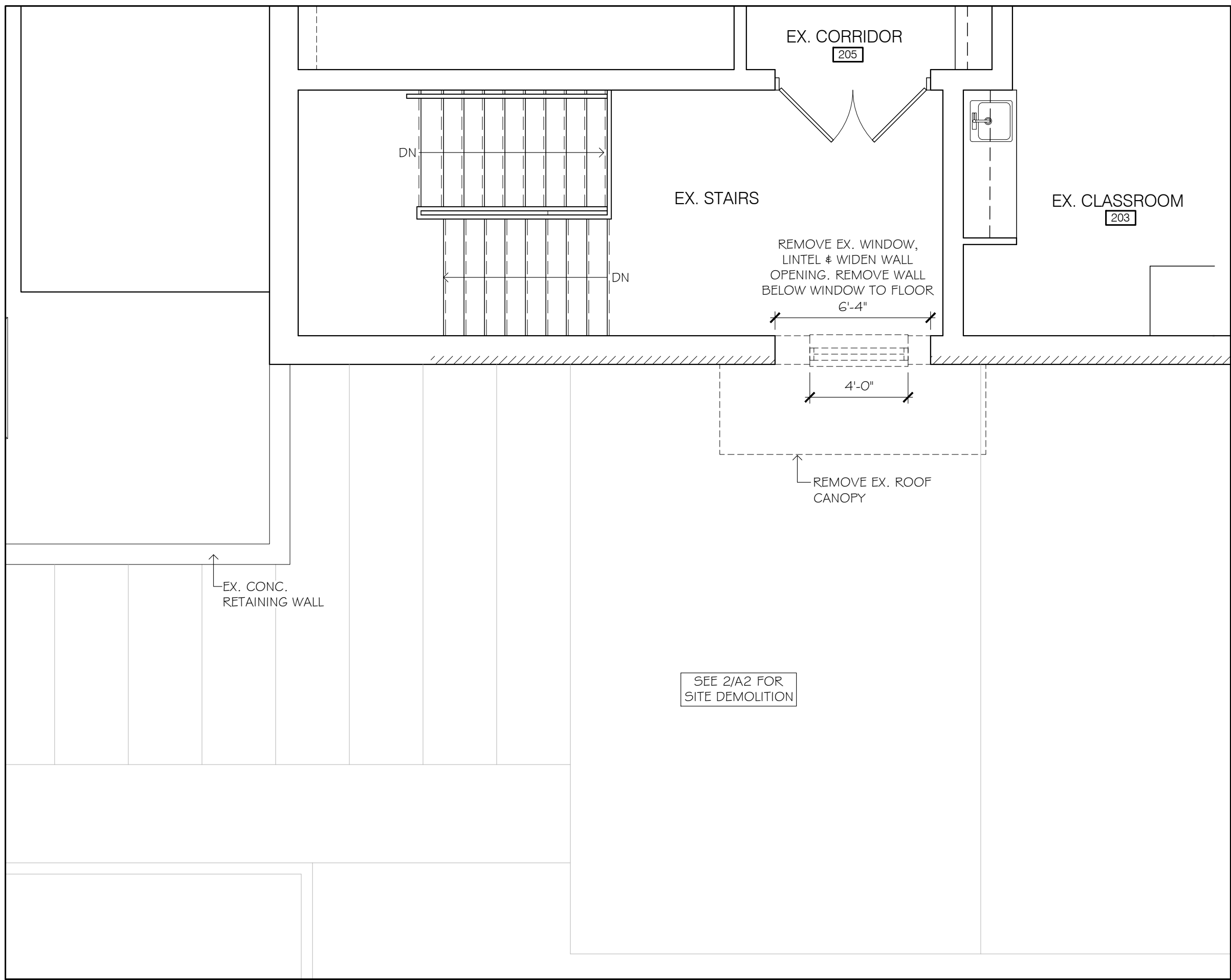


PROVIDE CONC. SPLASH
PAN FOR R.W.L. AT GRADE

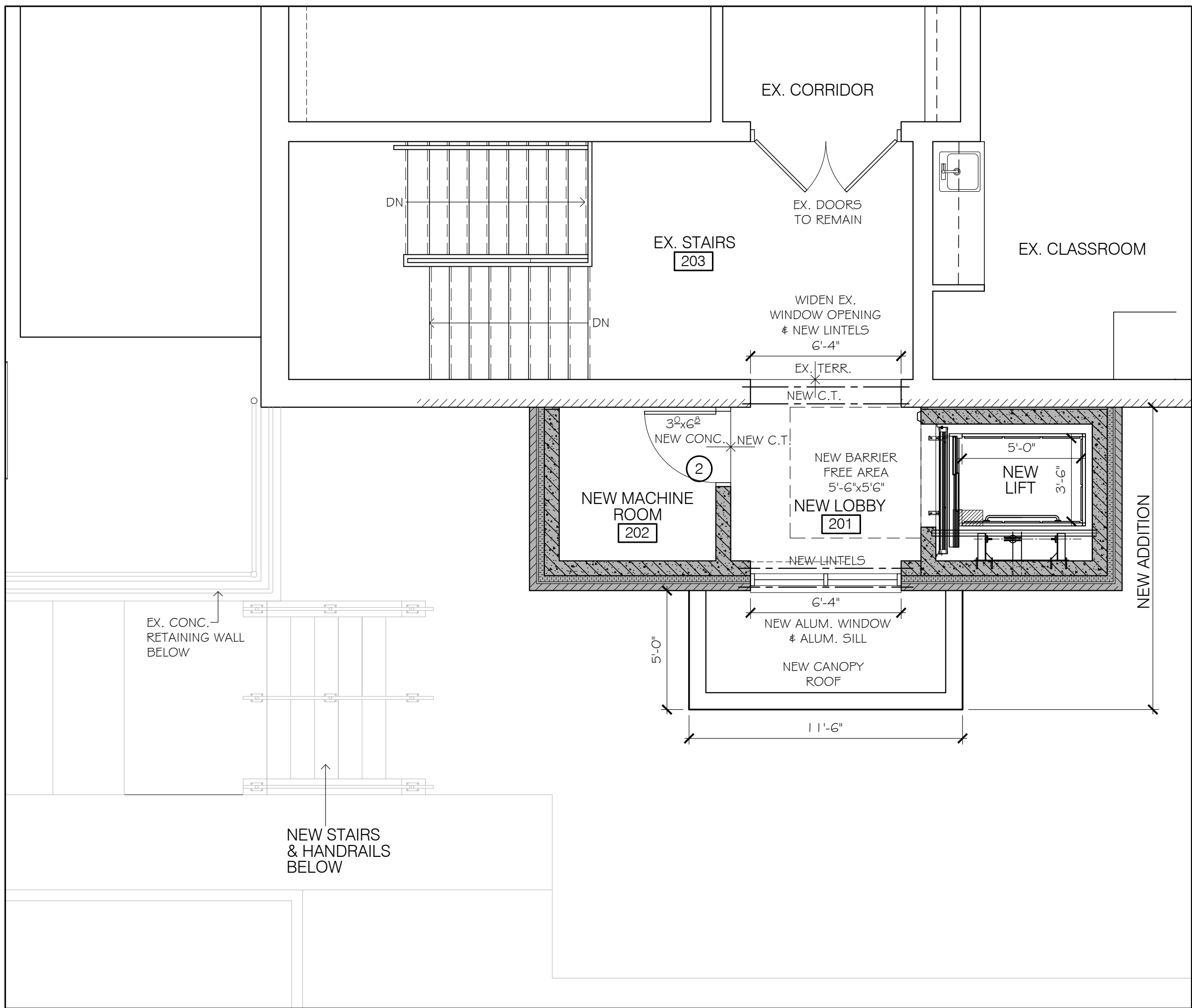
CHECKED BY: GW

A2 OF 5

24060



3 MAIN FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



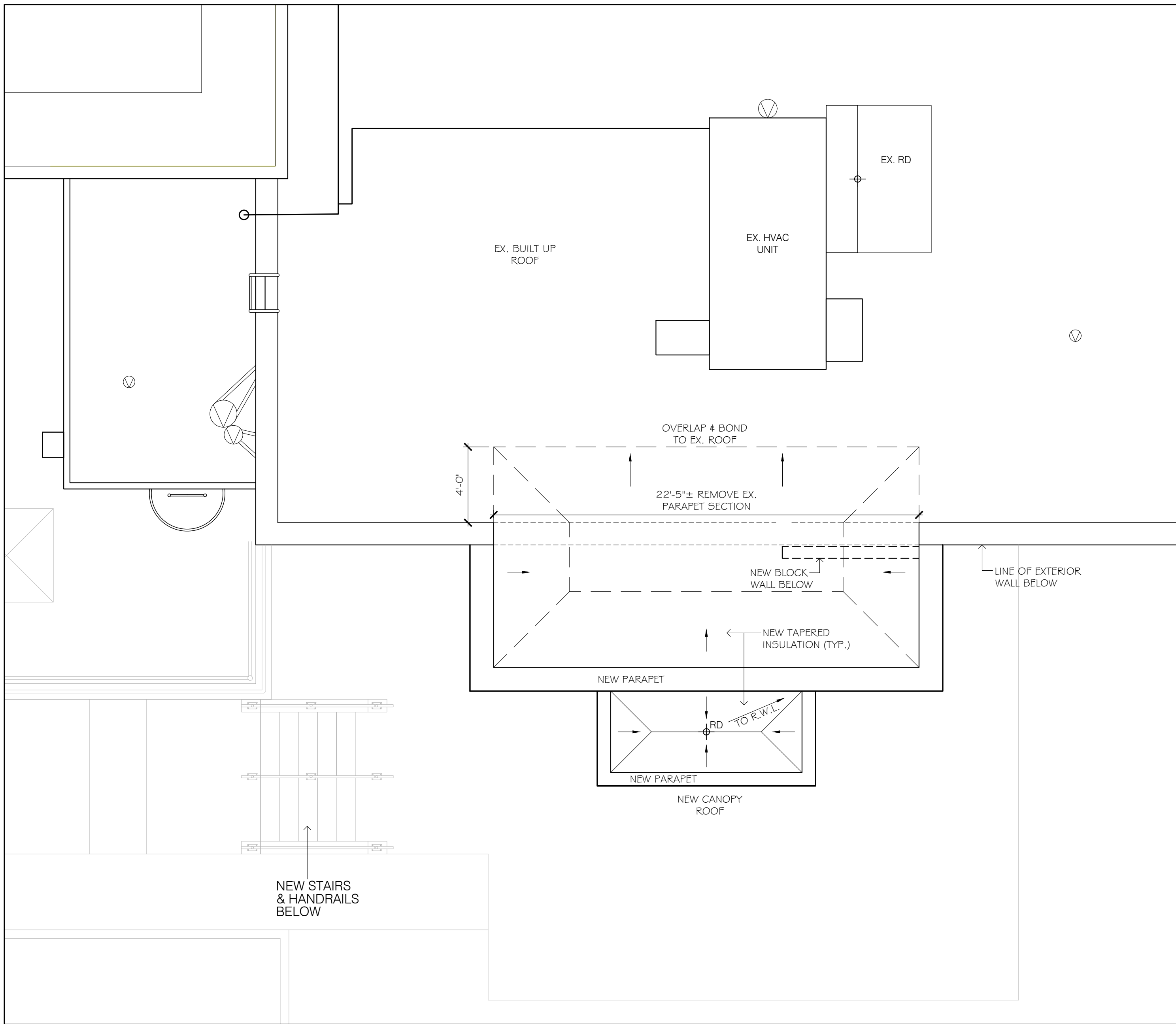
4 NEW MAIN FLOOR PLAN ADDITION
SCALE: 1/4" = 1'-0"



1 EX. PHOTO
SCALE: N.T.S.

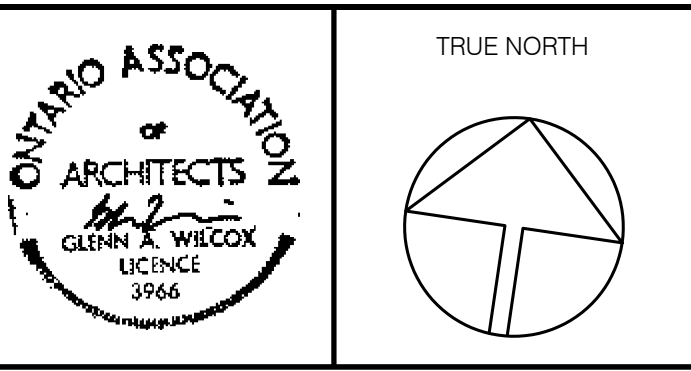


2 EX. PHOTO
SCALE: N.T.S.



5 NEW ROOF PLAN ADDITION
SCALE: 1/4" = 1'-0"

WILCOX ARCHITECTS INC.
74 LINDSAY ST. S.
LINDSAY ONT.
(705) 328-0175 PHONE
(705) 328-1587 FAX
wilcox.dwg@bellnet.ca



**Peterborough Victoria
Northumberland and Clarington
Catholic District School Board**



FOR PERMIT & TENDER: FEB 6, 2026

ISSUED: DATE:

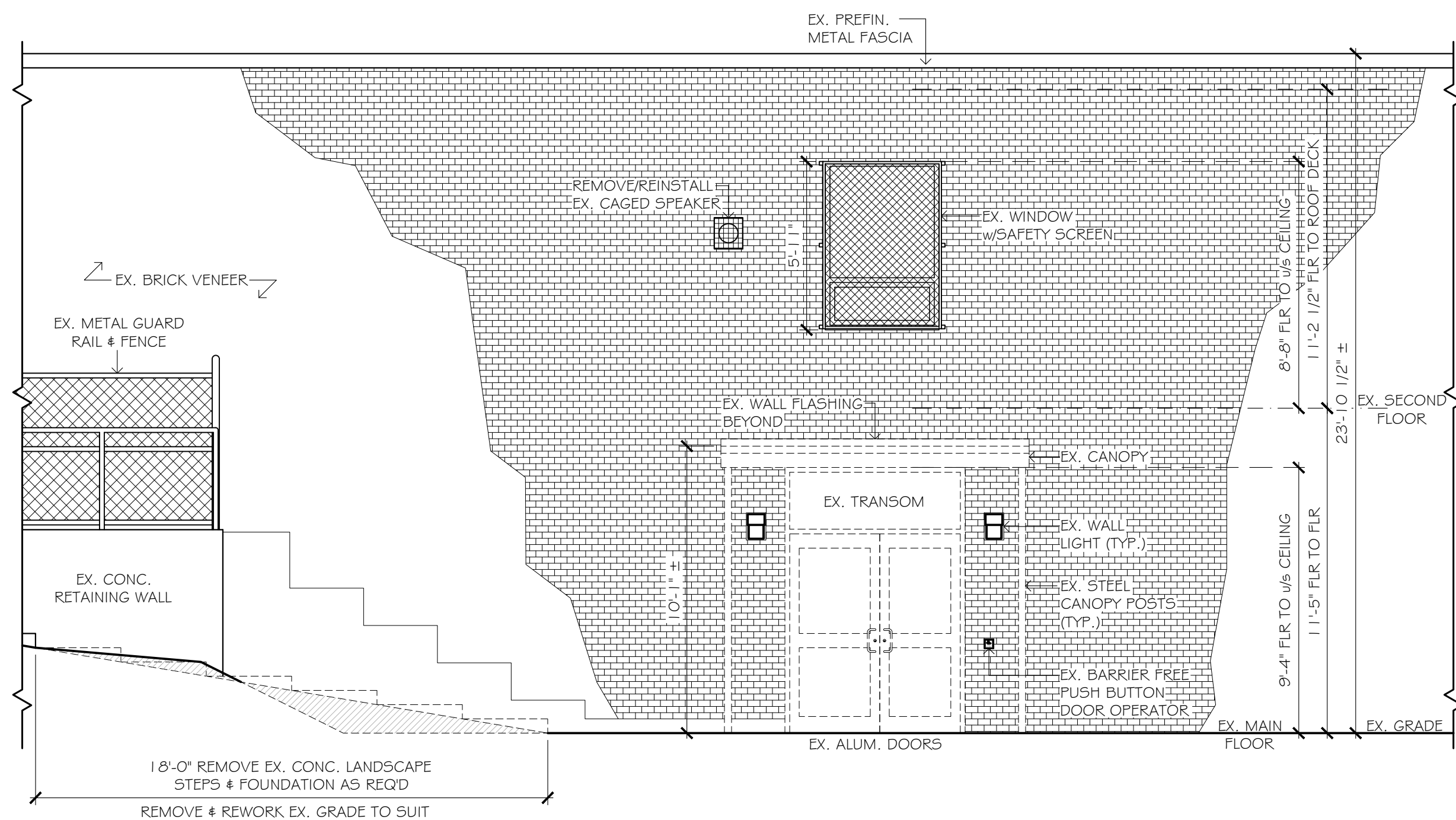
THIS DRAWING IS COMPLIMENTARY & MUST BE READ IN CONJUNCTION WITH ALL THE OTHER DRAWINGS AND/OR SPECIFICATIONS. REPORT ANY INCONSISTENCIES TO THE ARCHITECT.

PROJECT:
**NEW ELEVATOR ADDITION
ST. MARY CATHOLIC
ELEMENTARY SCHOOL**

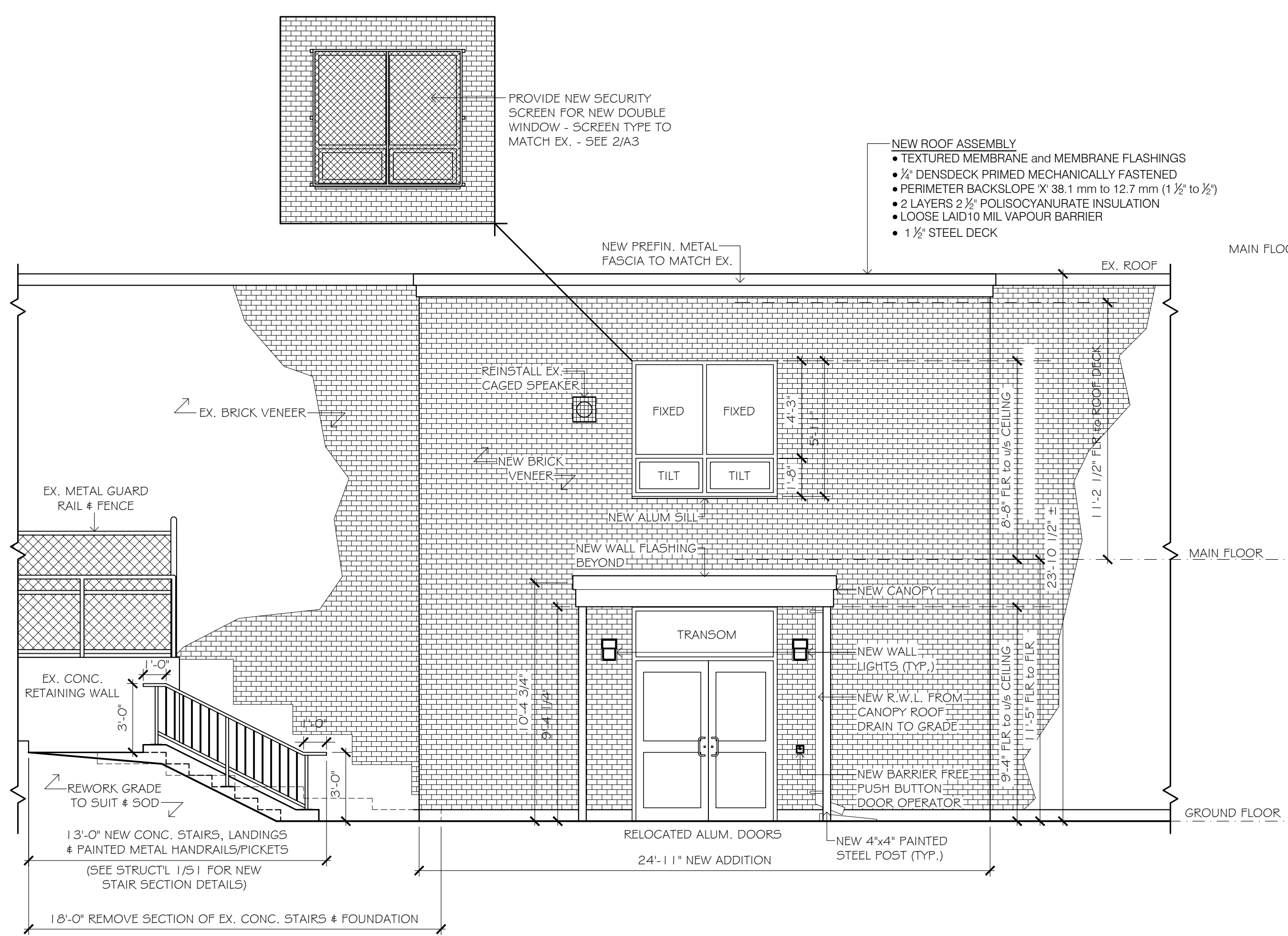
35 CENTRE ST, CAMPBELLFORD, ON K0L 1 L0

DRAWING TITLE:
**NEW ADDITION ROOF PLAN
NEW ADDITION ELEVATIONS**

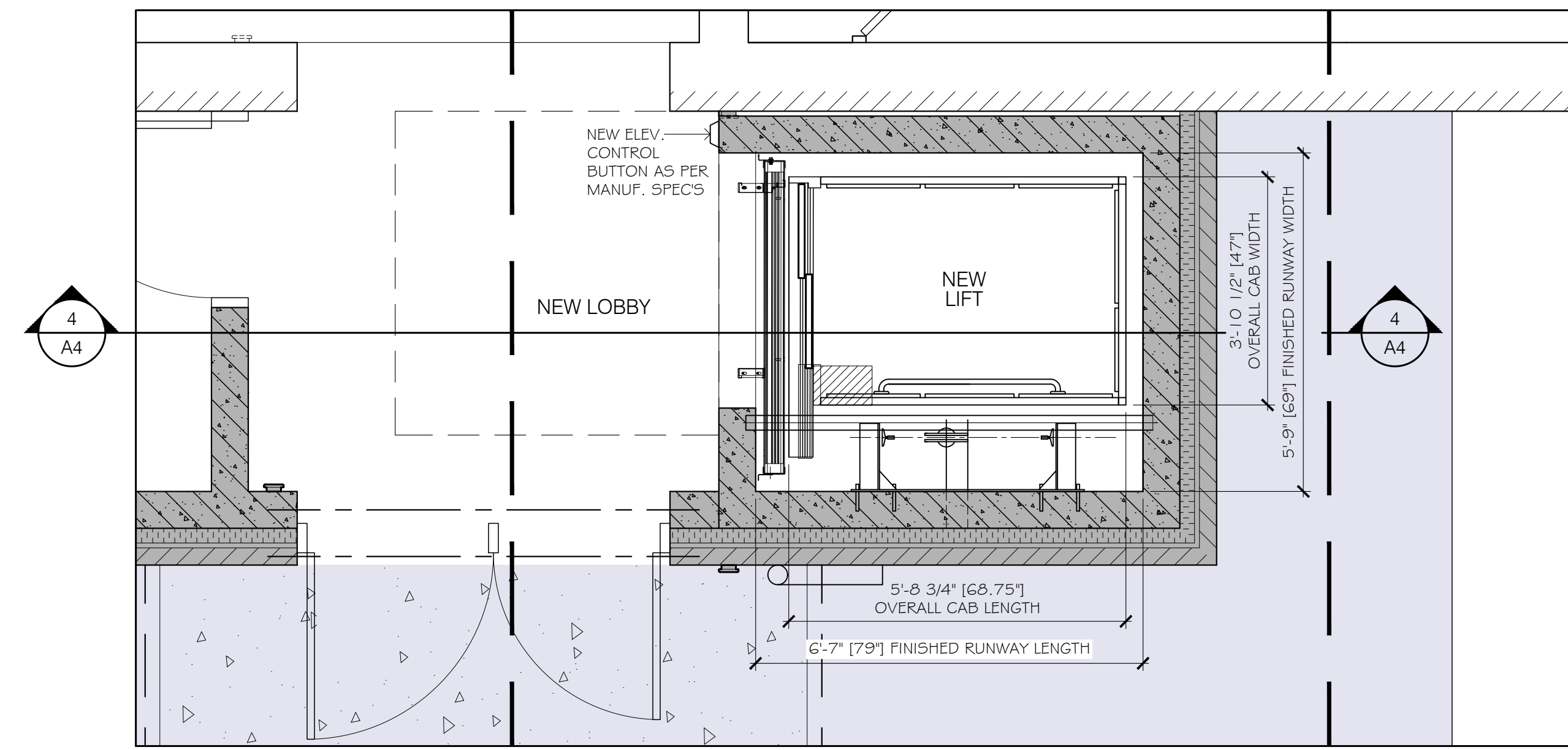
SCALE: AS NOTED	DRAWING NUMBER:
DRAWN BY: SV	A3 OF 5 24060
CHECKED BY: GW	



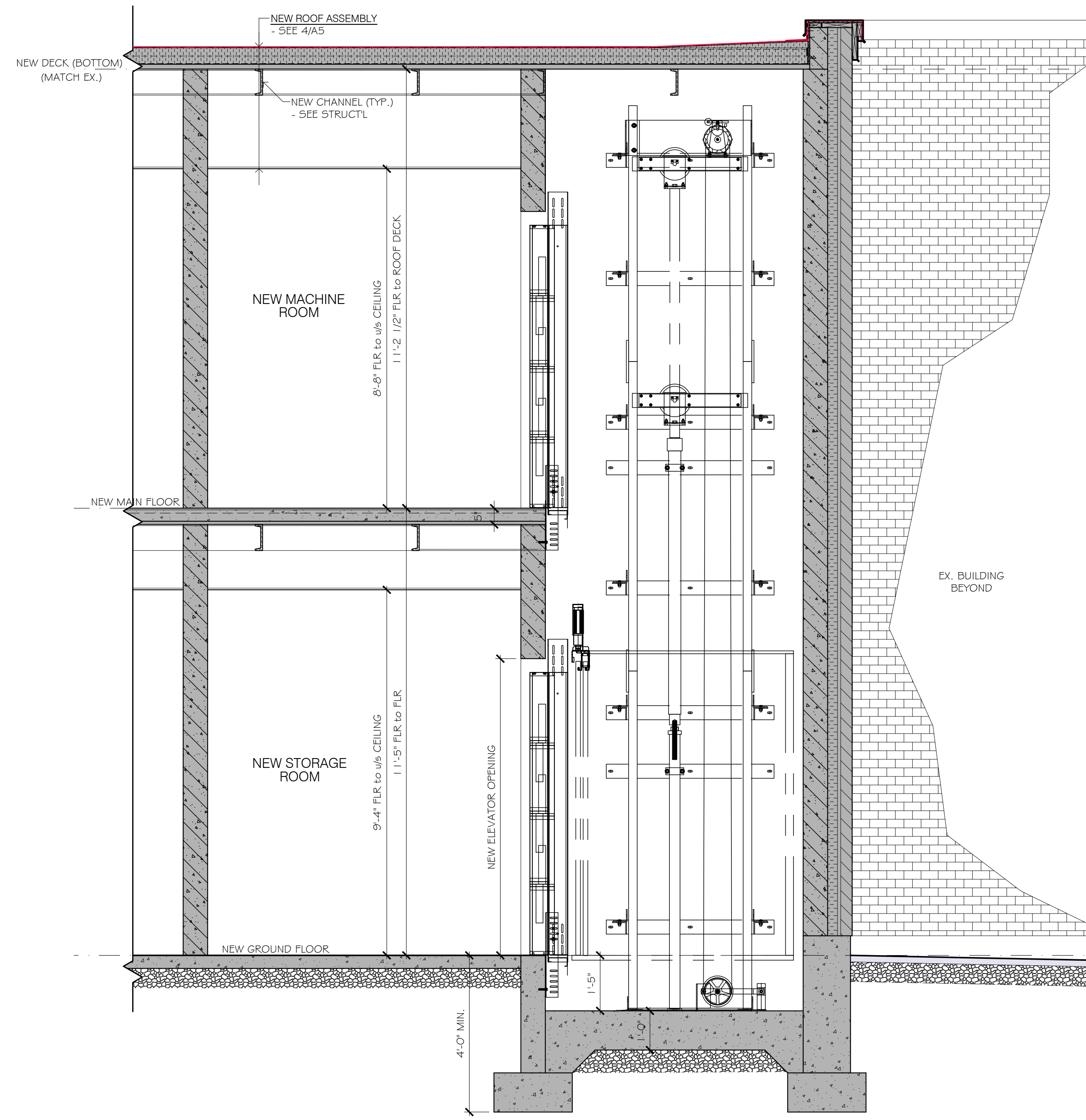
1 EXISTING ELEVATION
SCALE: 1/4" = 1'-0"



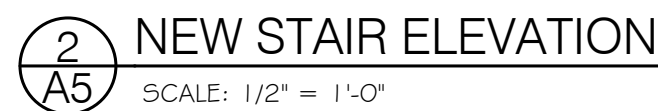
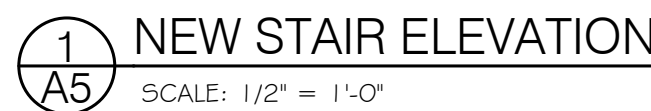
2 NEW ADDITION ELEVATION
SCALE: 1/4" = 1'-0"



3 NEW ADDITION ELEVATOR PLAN @ GROUND FLOOR
SCALE: 1/2" = 1'-0"



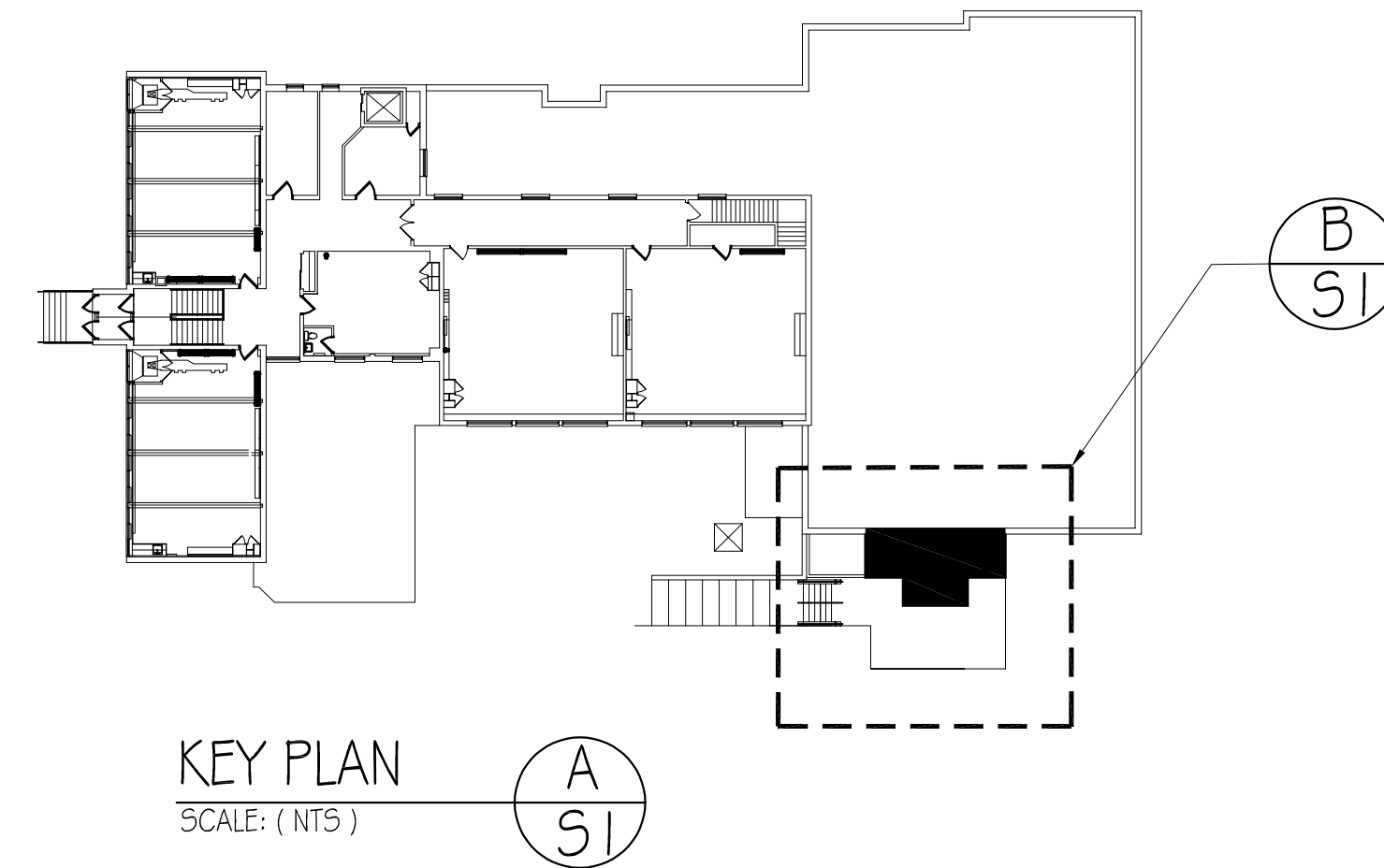
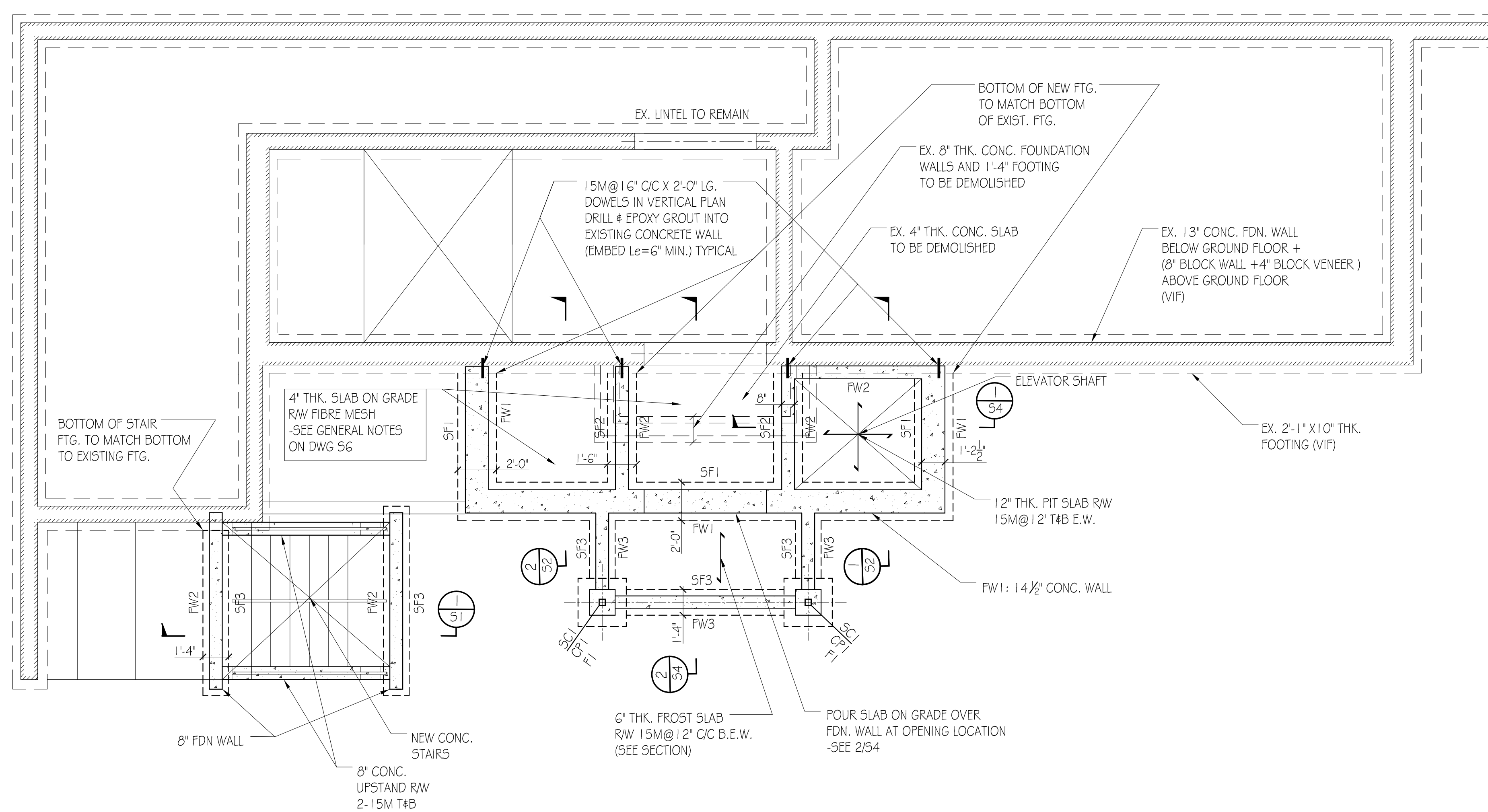
4 NEW ADDITION SECTION AT ELEVATOR
SCALE: 1/2" = 1'-0"



TYPE 'A'



CHECKED BY: GW



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

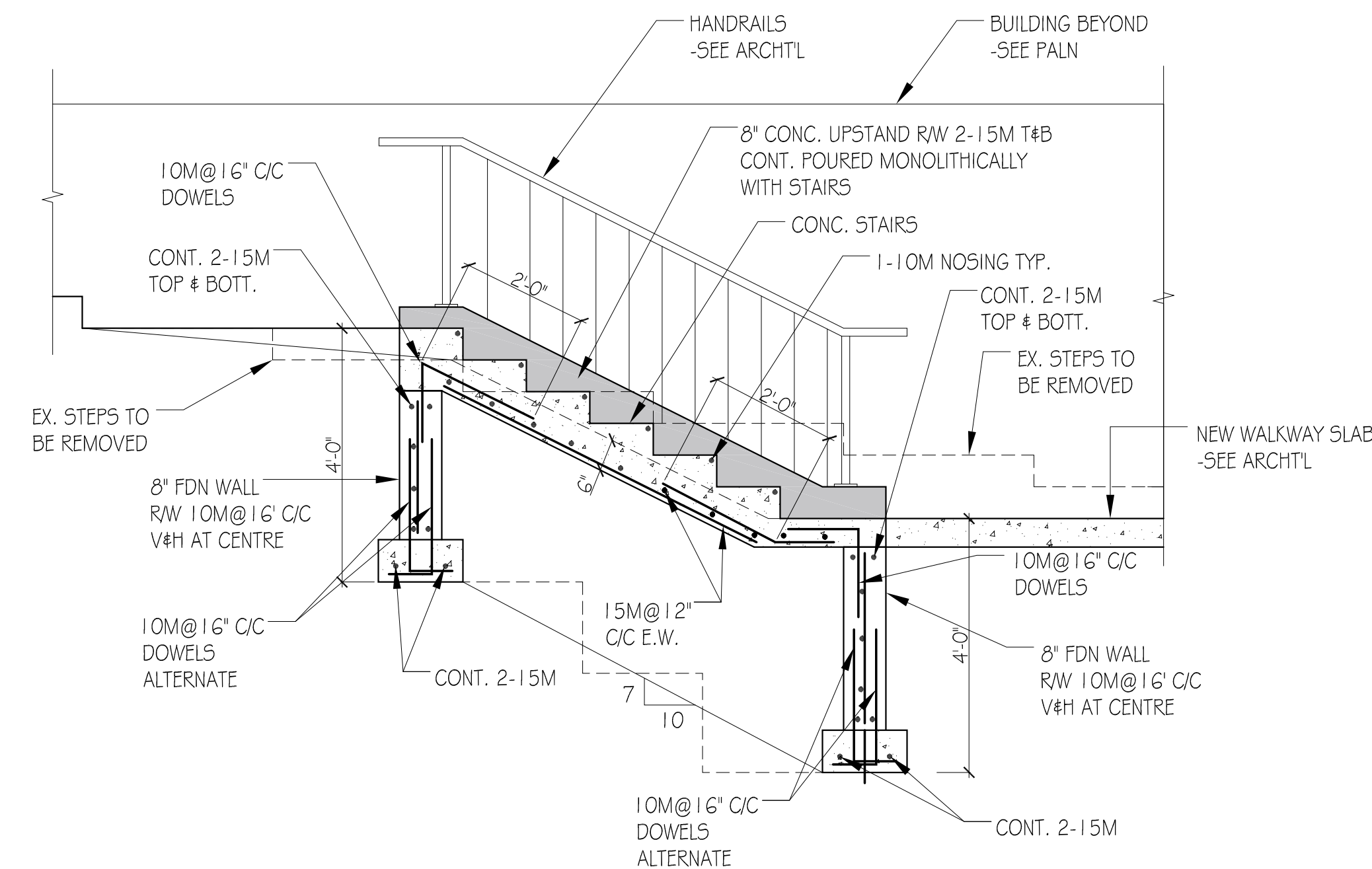
B
S1

NOTES:

1. ALL EXISTING FRAMING & DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.
2. SEE ARCHTL DRAWINGS FOR DIMENSIONS, ELEVATIONS, AND SLOPES.
3. SEE ALSO SCHEDULES, GENERAL NOTES AND TYPICAL DETAILS ON DRAWING S5 & S6.

NOTE:

DESIGN SOIL BEARING PRESSURE OF 150KPA (3000 PSF) TO BE VERIFIED IN FIELD BY SOIL ENGINEER PRIOR TO CONSTRUCTION. ARCH / GC TO COORDINATE TYP.

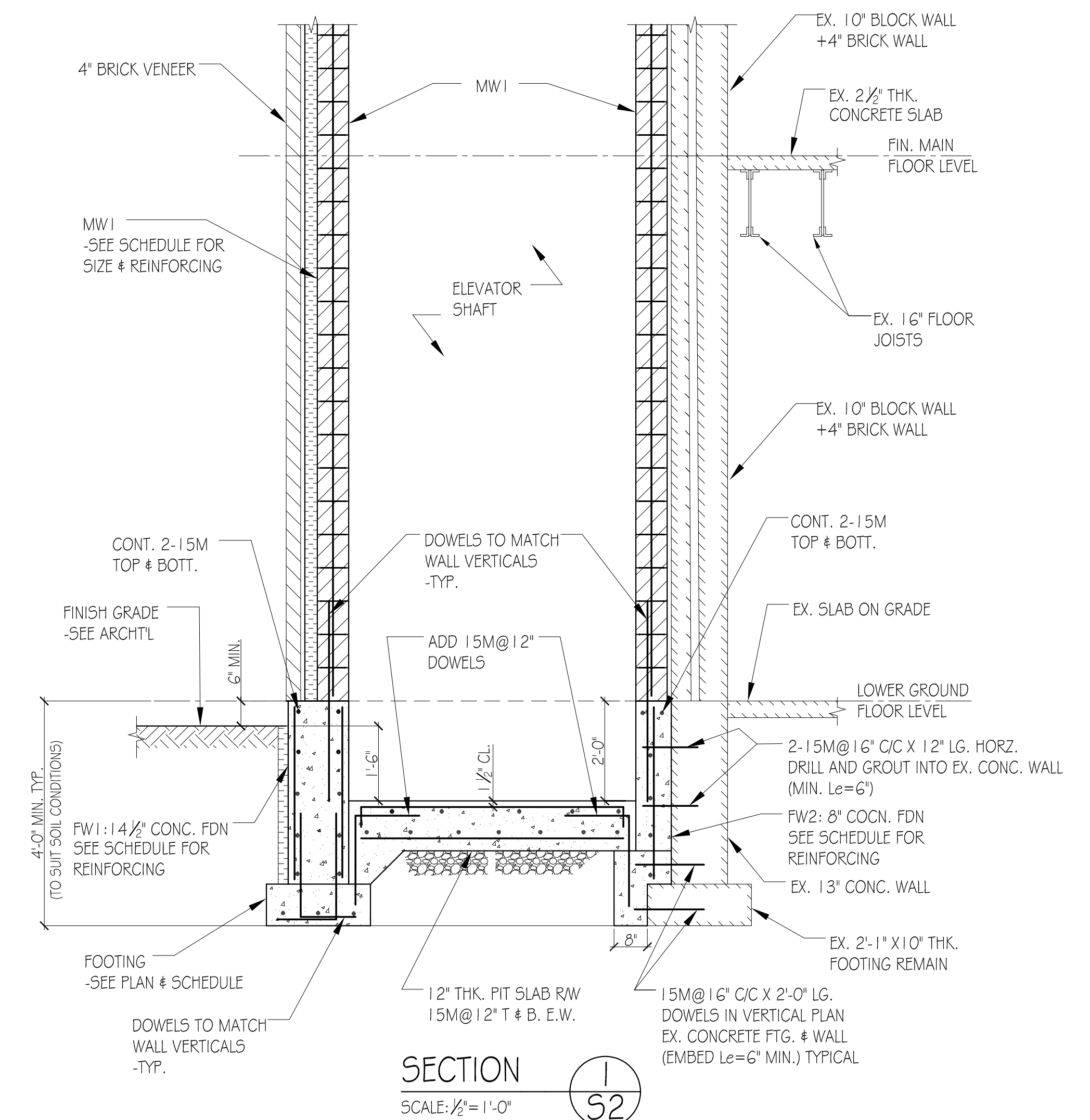


SECTION

SCALE: 1/2" = 1'-0"

I
S1

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ISSUED FOR PROGRESS	DEC 23/25	D.K
No.	REVISION	DATE BY
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CLIENT: WILCOX ARCHITECTS INC. 74 LINDSAY ST. S. LINDSAY, ONT.		
PROJECT: RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL 35 CENTRE ST. CAMPBELLFORD, ON, K0L 1L0		
DRAWING: FOUNDATION AND KEY PLAN & SECTION		
DRAWN BY: M.K. AMR PROJECT No. 25-2329		
CHECKED BY: D.K.		
DATE: FEB 04/26 DWG. No. S1		
SCALE: AS NOTED OF 6		



A
S2

NOTES:

1. SEP

1. SEE ARCHT'L DRAWINGS FOR DIMENSIONS, ELEVATIONS, AND SLOPES.
2. SEE ALSO SCHEDULES, GENERAL NOTES AND TYPICAL DETAILS ON DRAWING 55. & 56.

MAIN FLOOR FRAMING DESIGN LOADS:
DEAD LOAD = 3.35 KPa
LIVE LOAD = 4.80 KPa

TOTAL LOAD = 8.15 KPa

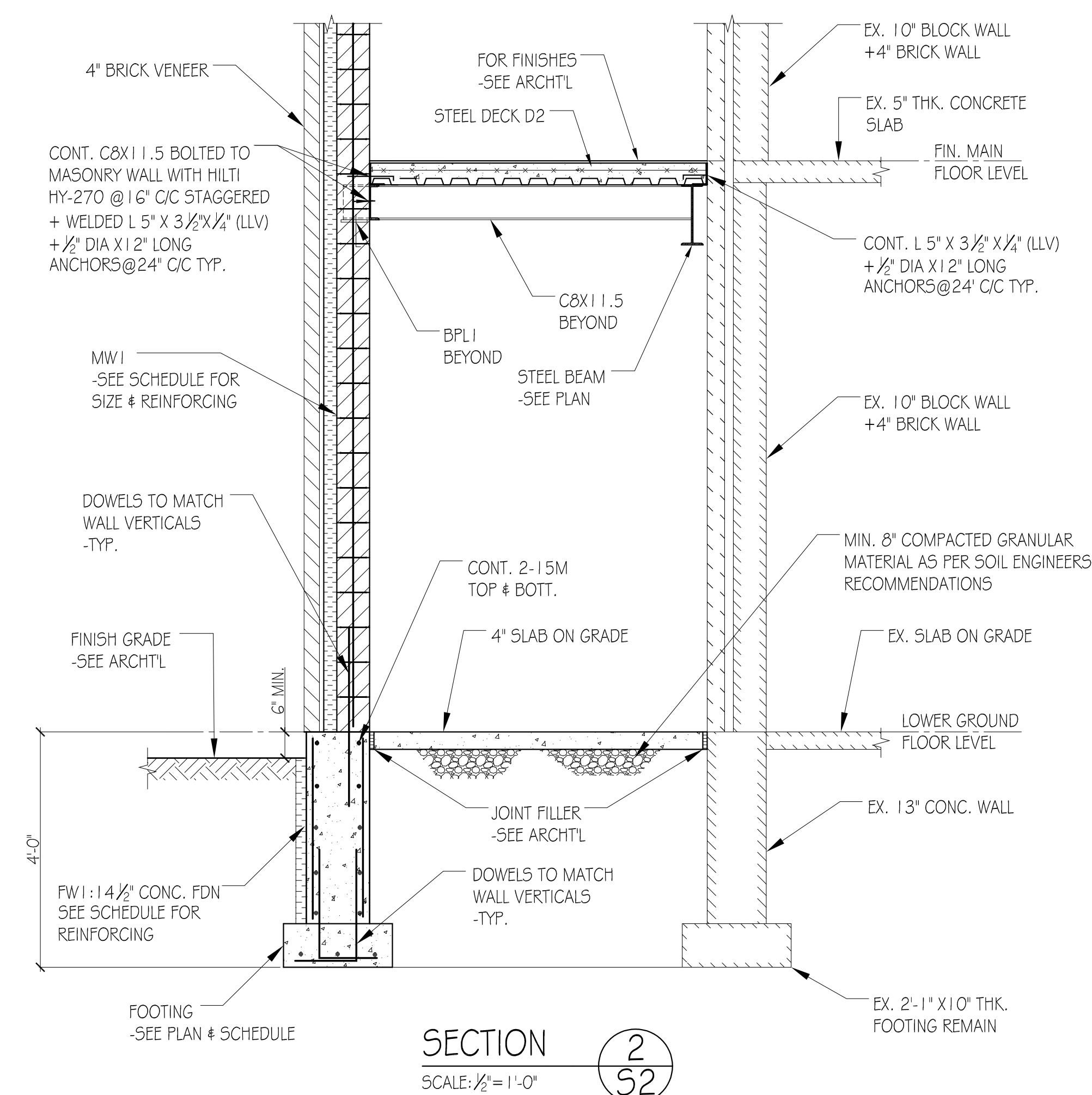
DEAD LOAD	= 1.20 KPa
LIVE LOAD	= 1.76 KPa + SBU (SNOW BUILD-UP)
TOTAL	= 2.96 KPa + SBU (SNOW BUILD-UP)

NOTE: EXISTING FLOOR FRAMING
ASSUMED TO BE ADEQUATE
FOR 4.8 KPa. LIVE LOAD

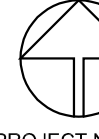
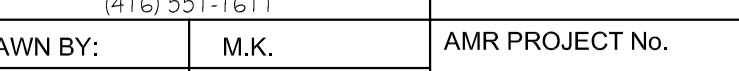
CONTRACTOR TO VERIFY ALL LOAD BEARING
STRUCTURE ON SITE AND PROVIDE ADEQUATE
TEMPORARY SHORING AS REQUIRED PRIOR TO
ANY LOAD BEARING STRUCTURE REMOVAL
SEE ALSO TEMPORARY SHORING NOTES ON DWG. 56

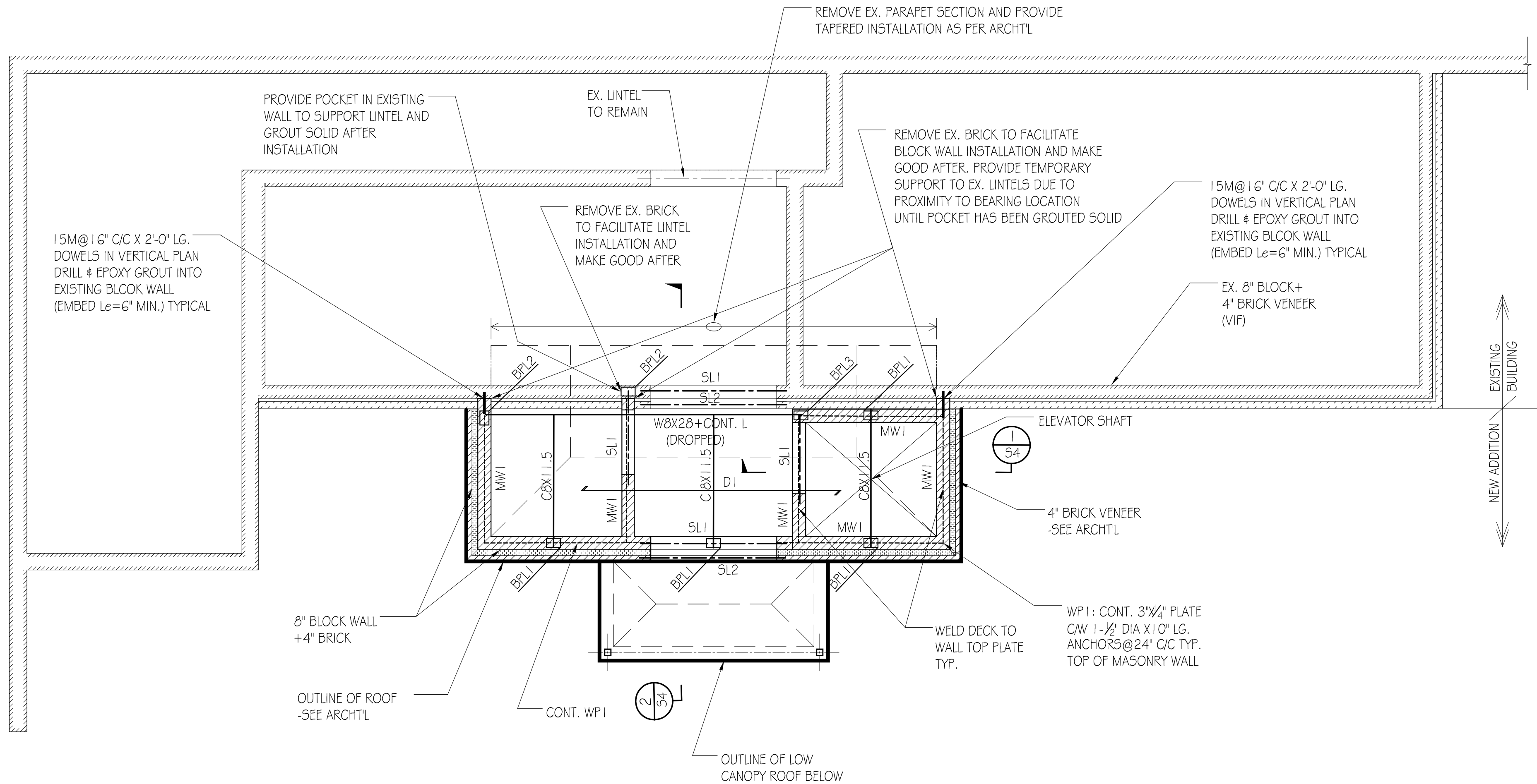
ALL EXISTING STRUCTURAL FRAMING IS ASSUMED AS SHOWN ON THE DRAWINGS. LIMITED DRAWINGS OF EXISTING BUILDING WERE MADE AVAILABLE FOR REVIEW. CONTRACTOR TO VERIFY ALL EXISTING FRAMING IN FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO ENGINEER FOR REVIEW.

PROVIDE 200 X 400 DEEP SOLID BLOCK BAND
FOR ATTACHMENT OF RAILS. COORDINATE
NUMBER & LOCATION WITH ELEVATOR SUPPLIER.


$$\frac{2}{52}$$

SCALE: $\frac{1}{2}'' = 1'-0''$

	ISSUED FOR PERMIT	DEC 04/26	D.K.
	ISSUED FOR PROGRESS	DEC 23/25	D.K.
No.	REVISION	DATE	BY
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CLIENT:  WILCOX ARCHITECTS INC. 74 LINDSAY ST. S. LINDSAY, ONT.			
PROJECT: RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL 35 CENTRE ST. CAMPBELLFORD, ON. K0L 1L0			
DRAWING: MAIN FLOOR AND CANOPY FRAMING PLAN & SECTIONS			
 AMR ENGINEERING LTD. STRUCTURAL ENGINEERS 920 ALBANY STREET, SUITE 205 TORONTO, ON M5S 2H7 (416) 551-1611			
DRAWN BY: M.K.		AMR PROJECT No. 25-2329	
CHECKED BY: D.K.			
DATE: FEB 04/26	DWG. No.		
SCALE: AS NOTED	 S2		
		OF 6	



ROOF FRAMING PLAN

A
S3

SCALE: 1/4" = 1'-0"

NOTES:

- SEE ARCHTL DRAWINGS FOR DIMENSIONS, ELEVATIONS, AND SLOPES.
- SEE ALSO SCHEDULES, GENERAL NOTES AND TYPICAL DETAILS ON DRAWING S5. & S6.

DESIGN LOADS	
NEW ROOF FRAMING DESIGN LOADS:	
DEAD LOAD	= 1.20 KPa
LIVE LOAD	= 1.76 KPa + 5BU (SNOW BUILD-UP)
TOTAL	= 2.96 KPa + 5BU (SNOW BUILD-UP)

NOTE 'A':

ALL EXISTING STRUCTURAL FRAMING IS ASSUMED AS SHOWN ON THE DRAWINGS. LIMITED DRAWINGS OF EXISTING BUILDING WERE MADE AVAILABLE FOR REVIEW. CONTRACTOR TO VERIFY ALL EXISTING FRAMING IN FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO ENGINEER FOR REVIEW.

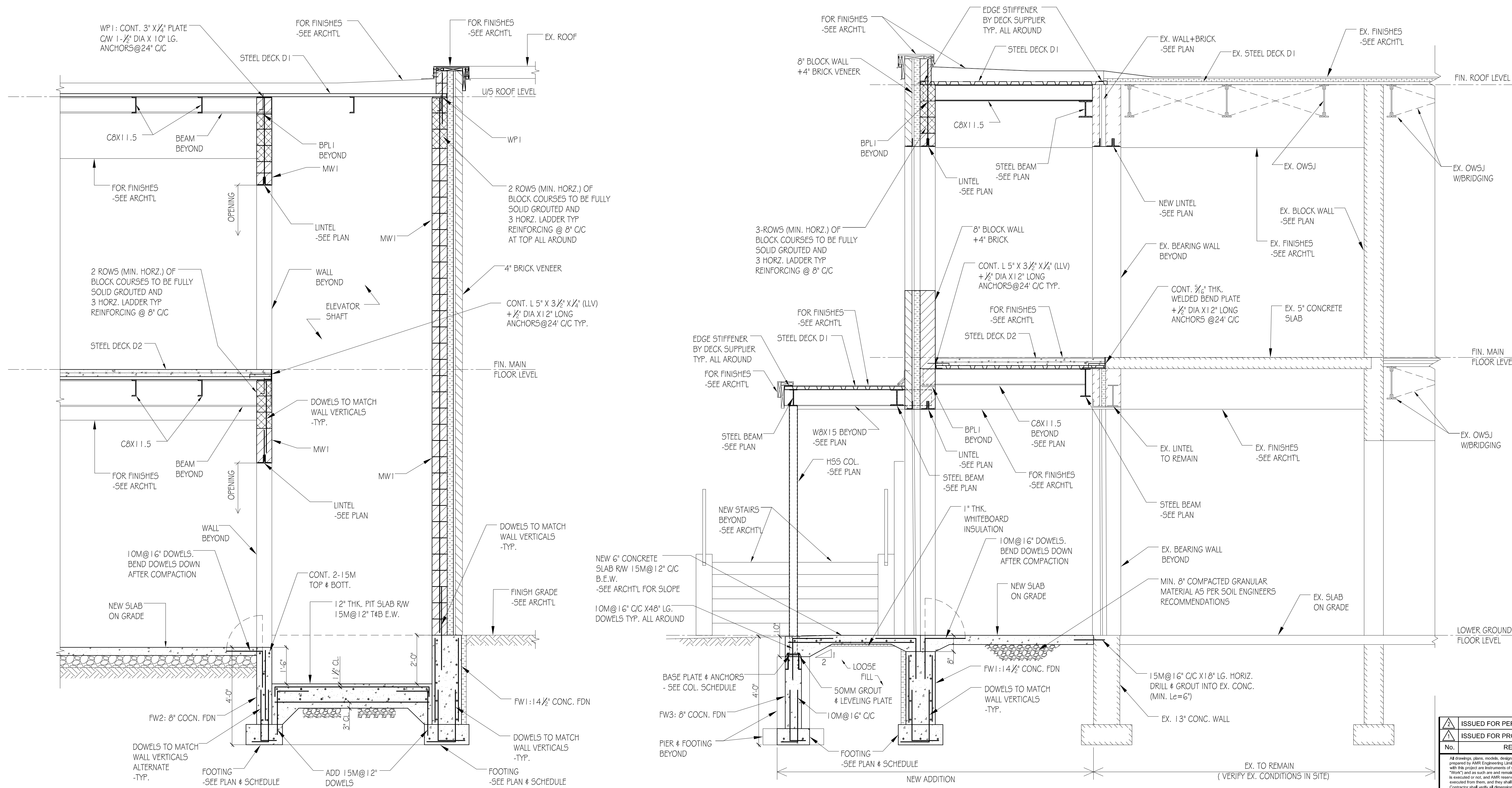
NOTE 'B':

CONTRACTOR TO VERIFY ALL LOAD BEARING STRUCTURE ON SITE AND PROVIDE ADEQUATE TEMPORARY SHORING AS REQUIRED PRIOR TO ANY LOAD BEARING STRUCTURE REMOVAL. SEE ALSO TEMPORARY SHORING NOTES ON DWG. S6

NOTE 'C':

PROVIDE 200 X 400 DEEP SOLID BLOCK BAND FOR ATTACHMENT OF RAILS. COORDINATE NUMBER & LOCATION WITH ELEVATOR SUPPLIER.

	ISSUED FOR PERMIT	FEB 04/26	D.K
	ISSUED FOR PROGRESS	DEC 23/25	D.K
No.	REVISION	DATE	BY
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CLIENT: WILCOX ARCHITECTS INC. 74 LINDSAY ST. S. LINDSAY, ONT.			
PROJECT: RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL 35 CENTRE ST. CAMPBELLFORD, ON, K0L 1L0			
DRAWING: ROOF FRAMING PLAN			
AMR ENGINEERING LTD. STRUCTURAL ENGINEERS 920 ALNESS STREET, SUITE 205 TORONTO, ON M3J 2H7 (416) 551-1611			
DRAWN BY:	M.K.	AMR PROJECT No.	
CHECKED BY:	D.K.	25-2329	
DATE:	FEB 04/26	DWG. No.	
SCALE:	AS NOTED	S3	OF 6



ISSUED FOR PERMIT	FEB 04/26	D.K.
ISSUED FOR PROGRESS	DEC 23/25	D.K.
No.	REVISION	DATE BY

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CLIENT: **WILCOX ARCHITECTS INC.**
74 LINDSAY ST. S. LINDSAY, ONT.

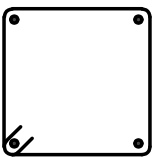
PROJECT:
RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL
35 CENTRE ST. CAMPBELLFORD, ON, K0L 1L0

DRAWING: **SECTIONS**

AMR ENGINEERING LTD.
STRUCTURAL ENGINEERS
920 ALNESS STREET, SUITE 205
TORONTO, ON M3J 2H7
(416) 551-1611

REGISTERED PROFESSIONAL ENGINEER
D. KOTOBELLI
PROVINCE OF ONTARIO

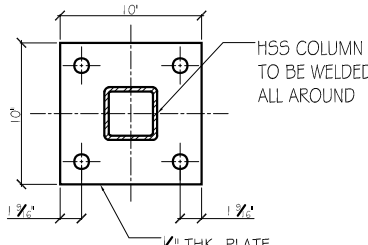
DRAWN BY:	M.K.	AMR PROJECT No.
CHECKED BY:	D.K.	25-2329
DATE:	FEB 04/26	DWG. No.
SCALE:	AS NOTED	S4 OF 6

PIER SCHEDULE		
MARK	SIZE	NOTES
CP1	16" X 16" CONC. PIER + 4-15M VERTICALS + 10M@12" O/C TIES + 2 SET OF TIES AT TOP	

STRIP / SPREAD FOOTING SCHEDULE		
MARK	SIZE	NOTES
F1	2'-6" X 2'-6" X 8" DP. + 3-15M CONT. B.E.W.	PROVIDE 15M DOWELS TO CONCRETE PIER ABOVE (SEE SECTIONS)
SF1	2'-0" X 10" DP. RW + 3-15M CONT. BOTTOM	PROVIDE 15M DOWELS TO CONCRETE WALL ABOVE (SEE SECTIONS)
SF2	1'-6" X 10" DP. RW + 2-15M CONT. BOTTOM	PROVIDE 15M DOWELS TO CONCRETE WALL ABOVE (SEE SECTIONS)
SF3	1'-4" X 8" DP. RW + 2-15M CONT. BOTTOM	PROVIDE 15M DOWELS TO CONCRETE WALL ABOVE (SEE SECTIONS)

FOUNDATION WALL SCHEDULE		
MARK	SIZE	REINFORCING
FW1	14 1/2" CONCRETE FDN. WALL RW + 15M@12" C/C V.E.F. + 10M@16" H.E.F.	SEE ALSO SECTION AND GENERAL NOTES
FW2	8" CONCRETE FDN. WALL RW + 10M@16" C/C V4H.@ CENTRE	SEE ALSO SECTION AND GENERAL NOTES
FW3	8" CONCRETE FDN. WALL RW +2-15M TOP & BOTTOM	SEE ALSO SECTION AND GENERAL NOTES

MASONRY WALL SCHEDULE		
MARK	SIZE	REINFORCING
MW1	8" BLOCK WALL (TYPE "S" MORTAR)	15M@16" C/C VERTICALS GROUTED +4.76MM EXTRA HEAVY DUTY BLOK LOK (LADDER TYPE) REINFORCING @ 16" C/C MAX. -TYP. FULL HEIGHT. SEE ALSO GENERAL NOTES.

STEEL COLUMN SCHEDULE				
MARK	SIZE	BASEPLATE	ANCHOR BOLTS	BASEPLATE DETAIL
SC1	HSS 4" X 4" X 1/4"	10" X 1/2" X 10"	4- 1/2" DIA X 12" LG ANCHOR (2" HOOK)	

- NOTES:
- UNDER ALL COLUMN BASE PLATE PROVIDE 6MM LEVELING PLATE AND 44MM NON-SHRINK GROUT. LEVELING PLATE SHALL PROJECT 12MM BEYOND COLUMN BASE PLATE ALL AROUND.
 - ALL EXTERIOR STEEL COLUMNS BASE PLATE , ANCHOR BOLTS ETC. SHALL BE HOT DIPPED GALVANIZED DURING STEEL FABRICATION.

BEAM BEARING PLATE SCHEDULE			
MARK	SIZE	ANCHORS	BEARING PAD
BPL1	5" X 1/2" X 5"	1- 1/2" DIA X 16" LONG WELDED ANCHORS (2" HOOK)	100% FULLY GROUTED BLOCK TYP.
BPL2	12" X 5/8" X 7"	2- 5/8" DIA X 14" LONG WELDED ANCHORS (2" HOOK)	2 COURSES 100% FULLY GROUTED BLOCK TYP.
BPL3	7" X 5/8" X 12"	2- 5/8" DIA X 14" LONG WELDED ANCHORS (2" HOOK)	2 COURSES 100% FULLY GROUTED BLOCK TYP.

- NOTE:
- LAST DIMENSION SHOWN IS PARALLEL TO BEAM WEB.
 - WELD BEAM TO BEARING PLATE TYP.

STEEL DECK SCHEDULE		
MARK	SIZE	NOTES
D1	1 1/2" STEEL DECK - MIN. 22 GAUGE	MIN. 3 SPAN CONTINUOUS
D2	3 1/2" CONCRETE ON 1 1/2" THK. 22 GAUGE COMPOSITE STEEL DECK WITH 6X6X 6 /6 WWF MESH REINFORCING	MIN. 3 SPAN CONTINUOUS

STEEL LINTEL SCHEDULE			
MARK	SIZE	BEARING PLATE	NOTES
SL1	 2L'S 5" X 3.5" X 5/8" (LLV) WELDED	SEE PLANS AND SCHEDULE	PROVIDE MIN. 8" BEARING @ E/E
SL2	L 5" X 3.5" X 5/8" (LLV)	SEE PLANS AND SCHEDULE	PROVIDE MIN. 6" BEARING @ E/E
SL3	 2L'S 5" X 3.5" X 3/8" (LLV) WELDED	SEE PLANS AND SCHEDULE	PROVIDE MIN. 8" BEARING @ E/E

	ISSUED FOR PERMIT	FEB 04/26	D.K
	ISSUED FOR PROGRESS	DEC 23/25	D.K
No.	REVISION	DATE	BY

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CLIENT:  WILCOX ARCHITECTS INC.
74 LINDSAY ST. S. LINDSAY, ONT.

PROJECT:

**RENOVATIONS TO
ST. MARY CATHOLIC
ELEMENTARY SCHOOL**

35 CENTRE ST. CAMPBELLFORD, ON, K0L 1L0

DRAWING:
SCHEDULES

 AMR ENGINEERING LTD. STRUCTURAL ENGINEERS 920 ALNESS STREET, SUITE 205 TORONTO, ON M3J 2H7 (416) 551-1611		
DRAWN BY:	M.K.	AMR PROJECT No.
CHECKED BY:	D.K.	25-2329
DATE:	FEB 04/26	DWG. No.
SCALE:	AS NOTED	S5 OF 6

Part 1 – General

1.1. General

- 1.1.1. This section covers the general requirements for the electrical work. Read all divisions of the contract documents.
- 1.1.2. All equipment shall be CSA approved.
- 1.1.3. All equipment, materials and installation methods shall conform to the best commercial standard practice, and in accordance with the Ontario Electrical Safety Code and all bulletins.

1.2. Outline Scope

- 1.2.1. The following major items of work shall be supplied and installed under the electrical contract:
- 1.2.1.1. Provide all labour, materials, equipment and services to complete the work of the electrical division as further specified and as shown on the drawings:
- a. Supply and install exit, emergency lights, fire alarm equipment and receptacles as detailed on drawings.
- b. Miscellaneous removals as required.

1.3. Contract Drawings

- 1.3.1. Drawings for electrical work are performance drawings, diagrammatic, intended to convey scope of work and indicate general arrangement and approximate location of apparatus, fixtures and wiring. Drawings do not show all conduits. Those shown are diagrammatic only.
- 1.3.2. Additional money over the contract price shall not be paid unless an approved change order is issued by the architect. Claims for extras shall be submitted with a complete breakdown of material, labour, hourly rates, etc.

1.4. Shop Drawings

- 1.4.1. Submit four reproducible copies of manufacturer's detailed shop drawings, which indicate clearly the materials and/or equipment actually being supplied, all details of construction, accurate dimensions, capacity, operating characteristics and performance for each piece of manufactured equipment and for items listed under each section for review.
- 1.4.2. Shop drawings submitted for approval that are not stamped and signed in accordance with the preceding requirements will be returned for resubmittal.
- 1.4.3. Installation of any equipment shall not commence until after shop drawings have been reviewed by the consultant.
- 1.4.4. Bind one set of approved shop drawings in each operating and maintenance instruction manual.

1.5. Co-Operation with Other Trades

- 1.5.1. The contractor shall co-operate fully with other trades in such a manner as not to interfere with other work being carried out at the job site. Where other work and equipment has to be installed along with work pertaining to this division, arrange with other trades to install this work to best suit the needs for the particular condition.

1.6. Warranty

- 1.6.1. The contractor shall guarantee all work for a period of one year after the date of issue of the final certificate by the engineer and for longer periods where specified. If any defects become evident within the guarantee periods all necessary repairs and replacements to the work shall be made without cost to the owner. The contractor shall pay for making good any other work damaged through defects in the work of this section during both construction and guarantee periods.

1.7. Insurance

- 1.7.1. The contractor shall maintain all necessary insurance to protect the owner and all trades from all possible claims.

1.8. Liability

- 1.8.1. The contractor shall assume full responsibility for layout of work and for any damage caused by improper location or carrying out of work of these sections.

1.9. Cutting and Patching

- 1.9.1. The contractor shall complete all required cutting and patching to perform the work of this contract. Cuttings shall be kept to a minimum and be performed with clean cut straight edges. Patching shall be neat, clean and restore to original finish conditions using similar types of materials. Use only trades personnel skilled in the various types of work required. Cutting of structural members shall not be permitted without written approval by the owner.

1.10. Record Drawings

- 1.10.1 The contractor shall maintain accurate records of changes to the drawings on the job site. These shall include: all changes included in addenda to the tender documents; site instructions; and contract change notices. Upon project completion, the contractor shall forward to the consultant the set of drawings indicating the as-built conditions.

1.11. Existing Conditions

- 1.11.1. The contractor shall visit and examine the site and become familiar with all existing conditions affecting the work prior to submitting tender. No allowances in cost will be made by the owner for any difficulties encountered in the work arising out of conditions existing at the time of tendering.

1.12. Product Delivery, Storage and Handling

- 1.12.1. Inspect products delivered to the site and before acceptance, ensure that the product is: new; free from defects; is as specified; and is as per reviewed shop drawings, all in accordance with the contract documents. Store materials only in designated areas and protect as necessary to maintain materials in new condition.

1.13. Instructions to Owner

- 1.14.1. Instruct the owner's representative(s) in all respects of the operation and maintenance of systems and equipment. Obtain from the consultant a list of the owner's representative(s) qualified to receive instructions.

1.14. Clean-Up

- 1.14.1. At all times keep the premises free from accumulations of waste material or rubbish caused by employees or work. At the completion of the work, remove all rubbish and all tools, equipment and surplus materials from and about the work and leave the work "broom clean" or its equivalent, unless more exactly specified. All lighting fixtures, light switches, and other operable electrical devices shall be cleaned at the completion of work.

1.15. Codes and Standards

- 1.15.1 Provide equipment and materials, and do the work, in accordance with the following, and comply with relevant sections as adopted or amended by authorities having jurisdiction:
- a. Canadian electrical code (Canada)
- b. National Fire Protection Association
- c. CAN/ULC Standards
- d. Ontario Electrical Safety Code, including current bulletins and amendments.
- e. Ontario Building Code
- f. Worker's Compensation Board Regulations
- g. Governing Fire Codes in the Province Of Ontario

1.16. Permit, Fees and Inspection

- 1.16.1 The contractor shall apply for, obtain and pay all permits, licenses, inspections, examinations and fees required. The contractor shall arrange for inspection of all work by the authorities having jurisdiction over the work. On completion of the work, present to the owner the final unconditional certificate of approval by the inspection authorities.
- 1.16.2 Before starting any work, submit the required number of copies of drawings and specifications to the authorities for their approval and comments. Comply with any changes requested as part of the contract, but notify the owner immediately of such changes, for proper processing of these requirements.

Part 2 – Basic Materials and Methods

2.1. Conduits, Conduit Fastenings and Conduit Fittings

- 2.1.1. Conduit systems shall be electrical metallic tubing, intermediate metal conduit, galvanized rigid steel conduit, or polyvinyl chloride. Minimum size shall be 1/2". Use EMT above-grade for indoor construction except where rigid conduit is required. Where galvanized rigid steel conduit is required, provide lock-nuts and bushing at terminations.
- 2.1.2. Type BX –90 flexible armoured cable may be used only for final connections to lighting fixtures. Use flexible conduit for final connections to motors and sensors. Lengths should not exceed 18". Use liquid tight PVC jacketed flexible conduit for connections to equipment outdoors or in damp locations.
- 2.1.3. Conduits shall be of sufficient size to permit easy removal of the conductors at any time. Use one hole steel straps to secure surface conduits 2" and smaller, and two hole steel straps for conduits larger than 2". Use beam clamps to secure conduits to expose steel work. Install fittings manufactured for use with the conduit supplied. Watertight connectors and couplings are required for EMT. Set screws are not acceptable.
- 2.1.4. Install conduits to conserve headroom in exposed locations and cause minimum interference in spaces through which they pass. Conduits shall be run exposed in service areas, but shall be concealed in finished rooms. Exposed conduits shall be installed parallel and perpendicular to walls and ceilings. Wherever conduits cross building expansion joints, approved means, such as conduit expansion joints or flexible conduit loops shall be provided as necessary to take care of the movement. Conduit shall not be run horizontally in partitions.
- 2.1.5. All conduits shall be properly supported with spacing not to exceed C.E.C. requirements. Approved electrical hardware, hangers, structural shapes, etc. Shall be used. Perforated strap handlers shall not be permitted. Where run exposed on concrete or masonry walls, conduits shall be supported using conduit clamps and lead anchors or approved preset concrete inserts and where run on building steel, beam clamps shall be used. Conduit clamps shall be heavy duty galvanized malleable iron. Factory "ells" shall be used where 90° bends are required for 1" or larger conduits. Make bends and offsets with a hickey or power bender without flattening or denting the conduits. Bend conduit cold. Replace conduit if kinked or flattened more than 1/10th of its original diameter. Connect conduit lengths with only approved couplings or conduit unions.
- 2.1.6. Install conduits so that there is no interference with access openings in ceilings or access to equipment in the ceiling space. Install conduit to avoid proximity to water or heating pipes. Do not run within 6" of such pipes. Where crossings are unavoidable, maintain a minimum distance of 1" from the pipe covering.
- 2.1.7. Square-cut all conduit ends, ream and file to remove all burrs before installation and properly clean and cap all empty conduits. Install fish cord in empty conduits.

2.2. Wires and Cables

- 2.2.1. All conductors shall be copper. Conductors shall be stranded for #8AWG and larger with 1000V insulation of chemically cross-linked thermo setting polyethylene. 600V insulation can be used for conductors smaller than #8AWG. Base the 600 volt RW 90 conductor ampacities on published CEC 90°C. Rating. Cables shall be loaded to not more than 75% (70% to 80%) of this rating. Minimum #12AWG wiring shall be used.
- 2.2.2. Neutrals of power systems, although connected to a common ground at the source, shall be electrically separated and isolated from each other beyond this point of origination. Feeders to two or more switches or panels and the tapoffs to same shall all be run using the same size conductors throughout.
- 2.2.3. All wires shall be carried full size from source to the load. Neutral wires shall be the same size as phase wires. Equipment Ground wires shall be one size smaller than phase wire, except that the conductor shall not be larger than a 4/0 and shall be no. 10 for 30 amp circuits and no. 12 for circuits less than 30 amps. Insulation shall be type RW 90. Multi-circuit branch circuits in same conduit require only one equipment ground wire.

2.3. Junction and Pullboxes

- 2.3.1. Junction and pullboxes should be of welded steel construction with screw-on flat covers for surface mounting. Install pullboxes in inconspicuous but accessible locations. Install junction and pullboxes so as not to exceed 30m of conduit run between pullboxes. All junction and pullboxes should be labelled to identify equipment or circuit numbers.

2.4. Outlet, Conduit Boxes and Fittings

- 2.4.1. Size boxes in accordance with CSA C22.1. 100 mm square or larger outlet boxes as required for special devices. Gang boxes where wiring devices are grouped. Provide blank cover plates for boxes without wiring devices. Support boxes independently of connecting conduits. Conduit boxes shall be cast FS boxes with factory threaded hubs and mounting feet for surface wiring. Provide correct size of opening in boxes for conduit and cables. Reducing washers are not allowed.

Part 4 – Lighting Equipment

Emergency lighting

- 4.4. Install unit equipment and remote mounted fixtures as indicated.
- 4.5. Emergency lighting shall be installed in such a manner that it will be automatically actuated upon failure of the power supply to the normal lighting in the area covered by that unit equipment.
- 4.6. Emergency lighting shall have a supply voltage of 120VAC, and an output voltage of 12VDC, and be able to assume the electrical load automatically for a minimum of 30 minutes.

Exit signs

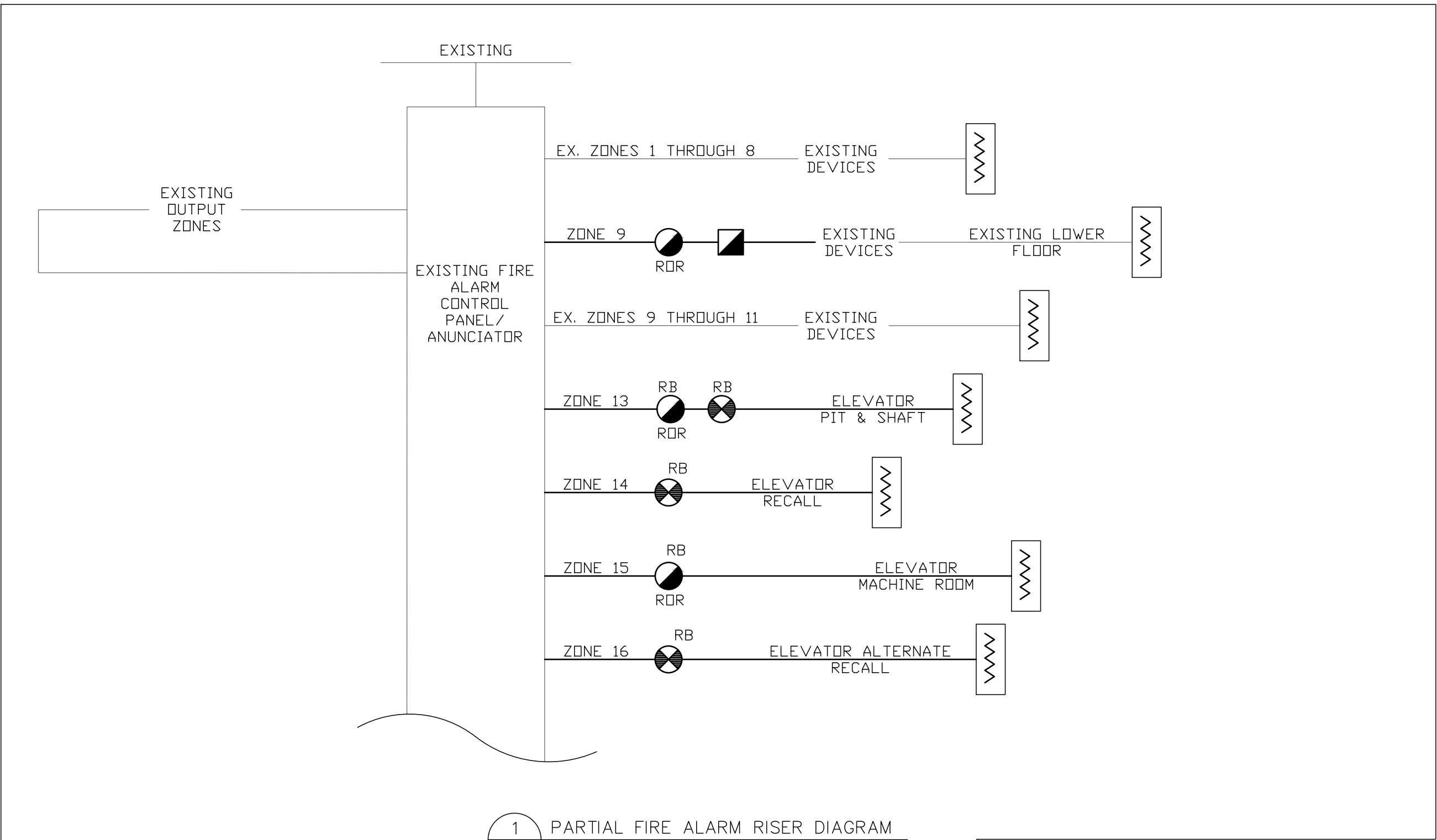
- 4.7. Install exit signs as per the contract drawings.
- 4.8. Exit signs shall consist of a green pictogram and white graphic symbol meeting the visibility specifications referred to in ISO 3864-1.
- 4.9. Exit signs shall be continuously illuminated.

PART 5 – FIRE ALARM SYSTEM

- 5.1. Contractor shall provide all material, equipment, and labour as required for the complete and adequate installation of the fire alarm system, as shown on the contract drawings, and as described below. Where an existing fire alarm system is present, all new devices shall match the existing system.
- 5.2. Contractor is responsible for the submittal of shop drawings for the complete system. At a minimum, the following shall be submitted:
- 5.2.1. Layout of equipment;
- 5.2.2. Zoning;
- 5.2.3. Wiring diagrams for connections and devices;
- 5.2.4. Methods of operation;
- 5.2.5. Fire alarm device make, model number, and type.
- 5.3. All components of the system, its installation and the system as a whole shall be ULC listed and labeled and shall meet the requirements of all authorities having jurisdiction of the application. The entire installation shall be carried out in accordance with CAN/ ULC S524 and shall be verified in accordance with CAN/ ULC S537.
- 5.4. Fire alarm control and booster panel breakers shall be of the lockable type, and shall be painted red.
- 5.5. Separate circuits from the control panel to each zone of initiating devices shall be provided.
- 5.6. Fire alarm system shall be single stage operation.
- 5.2.1. Single stage fire alarm system shall, upon the operation of any manual pull station or fire detector, cause an alarm signal to sound on all audible signal devices in the system.
- 5.7. Fire alarm device zones to be clearly indicated on control panel.
- 5.8. Arrange and pay for on-site lecture and demonstration by fire alarm equipment manufacturer to train operational personnel in use and maintenance of fire alarm system.
- 5.9. All fire alarm junction boxes shall be painted red.
- 5.10. All new fire alarm devices shall be compatible with existing system.

Part 8 – Removals

- 8.1. Contractor shall disconnect and remove all existing electrical devices and equipment, as per the contract documents.



FIRE ALARM SYSTEM SCHEDULE			
SYMBOL	MODEL NUMBER	MANUFACTURER	DESCRIPTION
	MATCH EXISTING	MATCH EXISTING	RATE OF RISE HEAT DETECTOR TO MATCH EXISTING
	MATCH EXISTING	MATCH EXISTING	RATE OF RISE HEAT DETECTOR C/W RELAY BASE TO MATCH EXISTING
	MATCH EXISTING	MATCH EXISTING	PHOTOELECTRIC TYPE SMOKE DETECTOR C/W RELAY BASE TO MATCH EXISTING
	MATCH EXISTING	MATCH EXISTING	MANUAL PULL STATION TO MATCH EXISTING

NOTES:

- CONNECT NEW AND RELOCATED DEVICES TO EXISTING FLOOR ZONE.
- EXISTING DEVICES ARE NOT SHOWN, BUT SHALL REMAIN ON EXISTING ZONES.
- INCREASE BATTERY SIZE TO ACCOMMODATE NEW STROBES.
- FIRE ALARM PANEL IS LOCATED IN JANITOR/ELECTRICAL ROOM.

<u>PANEL:</u>	<u>LOCATION:</u>	NEW STORAGE ROOM	<u>VOLTAGE:</u>	208/120V 3P 4W	<u>IC RATING:</u>	10KA		
<u>EL</u>	<u>TYPE:</u>	SURFACE MOUNTED	<u>MAIN BUS:</u>	100A	<u>CIRCUITS:</u>	24		
	<u>FED FROM:</u>	MAIN SERVICE	<u>MAIN BREAKER:</u>	60A				
CIRCUIT DESCRIPTION	LOAD (kVA)	CCT BKR	CCT #	PHASE	CCT #	CCT BKR	LOAD (kVA)	CIRCUIT DESCRIPTION
ELEVATOR MACHINE ROOM REC.	x	20A	1	a	2	15A	x	ELEVATOR MACHINE RM. LIGHTS
ELEVATOR PIT GFCI REC.	x	20A	3	b	4	15A	x	ELEVATOR PIT LIGHT
ELEVATOR CAB LIGHTS	x	15A	5	a	6	15A	x	BB-1/BB-2
	x		7	b	8	15A	x	DOOR OPERATORS
ELEVATOR	x	30A	9	a	10	15A	x	NEW STORAGE RM REC & LT
	x		11	b	12	15A	x	NEW LOBBY RECEPTACLE
SPARE	x	15A	13	a	14	15A	x	BB-3
SPARE	x	15A	15	b	16	20A	x	FF-1
SPARE	x	15A	17	a	18			
SPARE	x	20A	19	b	20	x	x	x
x	x	x	21	a	22	x	x	x
x	x	x	23	b	24	x	x	x

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-	-	-	-	-
-	-	-	-	-
0	26/02/05	ISSUED FOR PERMIT & TENDER	PGB	-
Rev.	Date	Description	By	App.

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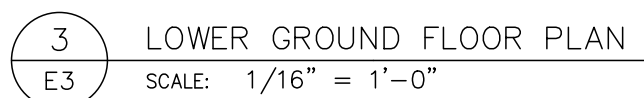
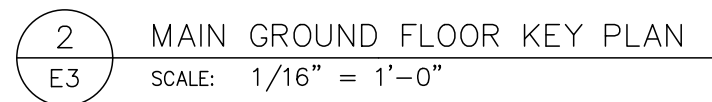
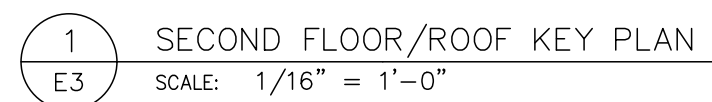
SCALE:
AS NOTED

PROJECT:
RENOVATIONS TO ST. MARY CATHOLIC ELEMENTARY SCHOOL
35 Centre Street
Campbellford, Ontario

TITLE:
FIRE ALARM RISER, DETAILS & SCHEDULES

FILE No.
787

DWG. No.
E2



FIRE ALARM LEGEND	
	PULL STATION
	SMOKE DETECTOR
	DOOR HOLD OPEN
	FIXED TEMPERATURE HEAT DETECTOR
E	EXISTING EQUIPMENT TO REMAIN
R	EXISTING EQUIPMENT TO BE RELOCATED
X	EXISTING EQUIPMENT TO BE REMOVED

EMERGENCY LIGHTING LEGEND	
	EMERGENCY LIGHT BATTERY PACK
	EMERGENCY LIGHT
	EXIT SIGN
E	EXISTING EQUIPMENT TO REMAIN
R	EXISTING EQUIPMENT TO BE RELOCATED
X	EXISTING EQUIPMENT TO BE REMOVED

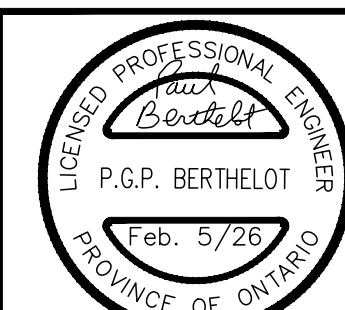
LIGHTING LEGEND	
\$	
	E
 	
E	EXISTING EQUIPMENT
X	EXISTING TO BE REMOVED

NOTE: EXISTING ELECTRICAL EQUIPMENT AND LIGHTING TO REMAIN, EXCEPT AS NOTED. DISCONNECT DEVICES SCHEDULED FOR REMOVAL OR RELOCATION. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE, WHERE PRACTICAL, AND MAKE SAFE.



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0	26/02/05	ISSUED FOR PERMIT & TENDER	PGB	-
Rev.	Date	Description	By	App.

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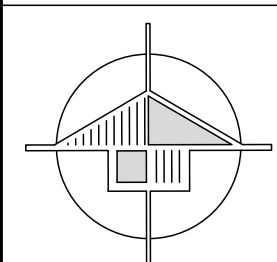


DWN.

CHK.
P. BERTHELOT

DSN.	PGB
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SCALE: AS NOTED



PROJECT
**RENOVATIONS TO ST. MARY
CATHOLIC ELEMENTARY SCHOOL**
35 Centre Street
Campbellford, Ontario

TITLE	POWER & LIGHTING DEMOLITION LAYOUT PLAN
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FILE No.

787

DWG. No.

E3