

APPENDIX G - DRAWINGS

GLENFOREST SECONDARY SCHOOL POOL DEMOLITION

3575 FIELDGATE DR, MISSISSAUGA, ON L4X 2J6

SUMMARY OF WORK

POOL DEMOLITION AND INTERIOR ALTERATIONS AS PER DRAWINGS AND SPECIFICATIONS

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A603 WALL SECTIONS & DETAILS
A604 WALL SECTIONS & DETAILS
A605 WALL SECTIONS
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NOTES

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ISSUED FOR TENDER
APRIL 10, 2024
ITTMA24-5030

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STANDARD ABBREVIATIONS

ABBREVIATED WORDS ON DRAWINGS ARE LISTED IN THIS SECTION. REFER TO STRUCTURAL, SITE SERVICES, MECHANICAL & ELECTRICAL DRAWINGS FOR OTHER ABBREVIATIONS USED.

ACM	ALUMINUM COMPOSITE MATERIAL	M	MIRROR
AF	ABOVE FINISHED FLOOR	M	MEMS
AL	ALUMINUM	MACH	MACHINE
ARCH	ARCHITECTURAL	MCP	MODULAR CONTROL PANEL
AWP	ACOUSTIC WALL PANEL	MECH	MECHANICAL
BD	BOARD	MNL	MINIUM
BF	BARRIER FREE	MSC	MISCELLANEOUS
BLDG	BUILDING	MM	MILLIMETERS
BLK	BLOCK	N/A	NOT APPLICABLE
CB	CHALKBOARD	NIC	NOT IN CONTRACT
CH	COAT HOOKS	NO	NUMBER
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CONC	CONCRETE	NFHB	NON-FREEZE HOSE BIB
CR-S	COAT RACK AND SHELF	O.C.	ON CENTER
CS	CONVENIENCE SHELF	O.W.S.J.	OPEN WEB STEEL JOINT
CT	CERAMIC TILE	P	PORCELAIN TILE
CW	COMPLETE WITH	PA	PUBLIC ADDRESS SYSTEM
DC	DOOR CONTACT	PB	PUSH BUTTON FOR AUTOMATIC DOOR OPERATOR
DF	DRINKING FOUNTAIN	PREF	PREFERRED
DWG	DRAWING	PROP.	PROPOSED
EJ	EQUAL	PT	PAINT
EQUIP	EQUIPMENT	PTD	PAPER TOWEL DISPENSER
ELECT	ELECTRICAL	REV	REVISED
ELEV	ELEVATOR	SB	SMARTBOARD
EXIST	EXISTING	S.C	SOLID CORE
EXT	EXTERIOR	SD	SOAP DISPENSER
FD	FLOOR DRAIN	SECT	SECTION
FE	FIRE EXTINGUISHER	SND	SANITARY NAPKIN & TAMPON
FEC	FIRE EXTINGUISHER CABINET	FL	FLOOR
FL	FLOOR	GRAB BAR	SPEC
GB	GRAB BAR	GRAB BAR "L" SHAPE	SNKSP
GBF	FOLDING GRAB BAR	GYP	GYP
GBL	GRAB BAR "L" SHAPE	GYP	GYP
GYP	GYP	GEORGIAN WIRED GLASS	STL
GW	GEORGIAN WIRED GLASS	HC	HANDICAP
HC	HANDICAP	HD	HAND DRYER
HD	HAND DRYER	HM	HOLLOW METAL
HM	HOLLOW METAL	HR	HOUR
HR	HOUR	HWT	HOMOGENEOUS VINYL TILE
HWT	HOMOGENEOUS VINYL TILE	INSUL	INSULATION
INSUL	INSULATION	INT	INTERIOR
INT	INTERIOR	JAN	JANITOR
JAN	JANITOR	LAP	LAY-IN ACOUSTIC PANEL
LAP	LAY-IN ACOUSTIC PANEL	LAV	LAVATORY
LAV	LAVATORY	LH	LEFT HAND
LH	LEFT HAND	LHR	LEFT HAND REVERSE
LHR	LEFT HAND REVERSE	LWR	WEST
LWR	WEST	LWB	LIGHT WEIGHT CONCRETE
LWB	LIGHT WEIGHT CONCRETE	WB	WHITE BOARD

FLOOR PLAN NOTES

- GENERAL CONTRACTOR (G.C.) TO VERIFY ALL DIMENSIONS AT SITE. VERIFY ALL SITE CONDITIONS & REPORT ANY DISCREPANCIES TO THE CONSULTANT. DO NOT SCALE THESE DRAWINGS.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL, PROVINCIAL AND FEDERAL CONSTRUCTION AND BUILDING CODES, THE NATIONAL FIRE CODE, THE OCCUPATIONAL HEALTH AND SAFETY ACT, AND ANY OTHER AUTHORITIES HAVING JURISDICTION.
- REFER TO STRUCTURAL, SITE SERVICES, MECHANICAL AND ELECTRICAL DWGS AND WHERE APPLICABLE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION. REFER ALSO TO PARTITION SCHEDULE & ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON PARTITION TYPES AND FINISHES/DETAILS.
- ALL MASONRY DIMENSIONS FOR OPENINGS, ETC. ARE ACTUAL FOR ALL DRAWINGS.
- GENERAL CONTRACTOR TO COORDINATE ALL SUB CONTRACTORS TO ACCOMMODATE ALL OPENINGS IN EXISTING AND NEW PARTITIONS AND FOUNDATION WALLS FOR ALL SERVICE CONNECTIONS.
- ALL INTERIOR WALLS TO BE LWB (LIGHT WEIGHT BLOCK OR CONCRETE BLOCK AS NOTED - EXTEND TO UNDERSIDE OF DECK, SLAB OR STRUCTURE ABOVE AND PROVIDE CONTINUOUS SOUND SEALS AT TOP (I.L.C LISTED FIRE STOP MATERIAL REQUIRED AT ALL RATED WALLS), UNLESS OTHERWISE NOTED.
- PROVIDE 90MM / 140MM OR 190MM LWB FURRING AROUND ALL PIPE AND DUCT DROPS WITH BULLNOSE CORNERS AS REQUIRED. NO GYPSUM BOARD FURRING ALLOWED UNLESS OTHERWISE NOTED. CO-ORDINATE WITH MECH. DWGS.

ASBESTOS NOTES

- G.C. TO REVIEW ASBESTOS MANAGEMENT PROGRAM MANUAL AVAILABLE FROM THE HEAD CARETAKER AND DESIGNATED SUBSTANCES REPORTS ISSUED FOR THIS PROJECT. FOLLOW PDSS PROCEDURE FOR ASBESTOS CONTAINING MATERIAL AS INDICATED IN TENDER DOCUMENTS.

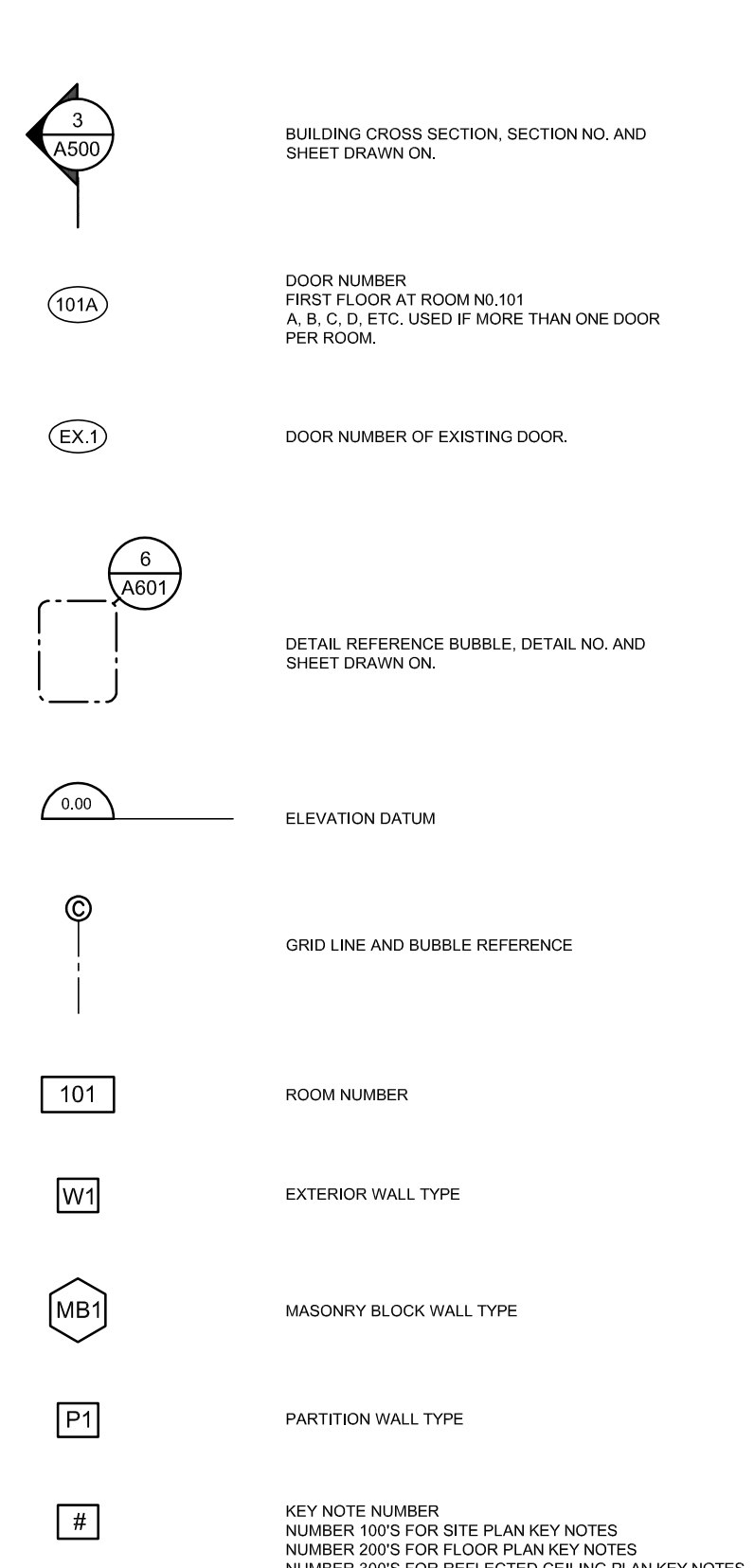
SCHEDULE OF CASH ALLOWANCES

- REFER TO TENDER FORM FOR CASH ALLOWANCE VALUE.
- REFER TO SCOPE OF WORK FOR SCHEDULE OF CASH ALLOWANCES.

PARTITION NOTES

- FIRE RATED BLOCK WALLS AND GYP. BD PARTITIONS TO BE CARRIED TO UNDERSIDE OF STRUCTURAL DECK OR CONCRETE SLAB AND SEALED WITH I.L.C LISTED FIRE STOPPING MATERIAL AS PER SPECIFICATIONS, WHERE MASONRY WALLS ENCOUNTER STRUCTURAL MEMBERS, CLOSURES ARE TO BE PROVIDED AS REQUIRED BY O.B.C.
- ALL MASONRY WALLS, WHETHER LOADBEARING OR NON-LOADBEARING ARE TO HAVE BLOCK UNITS IN ACCORDANCE WITH MASONRY UNITS SCHEDULE ON STRUCTURAL DRAWINGS.
- ALL WALLS TO EXTEND TO US OF FLOOR OR STRUCTURE ABOVE UNLESS NOTED OTHERWISE. ENSURE AIR-TIGHT SEAL AT ALL INTERSECTIONS WITH FLOOR/STRUCTURE ABOVE AND AT ALL PENETRATIONS - TYP.
- FOR ALL ACOUSTIC PARTITIONS & FURRING PARTITIONS, CALK W/ ACOUSTICAL SEALANT AT ALL PENETRATIONS, 10MM JOINT AT US STRUCTURAL DECK, 6MM JOINT AT FLOOR AND VERTICAL JOINTS AND ABUTTING DISMILKING CONSTRUCTION.
- ALL CORNER CONCRETE BLOCK(S) TO HAVE BULLNOSE EXCEPT FIRST CONCRETE BLOCK COURSE.

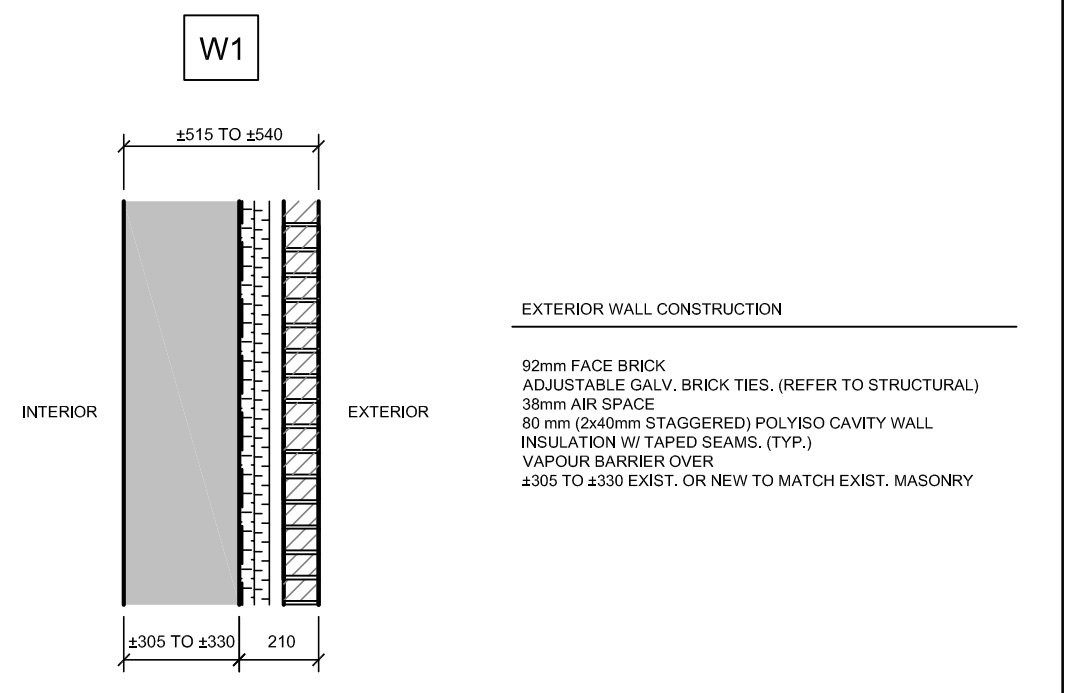
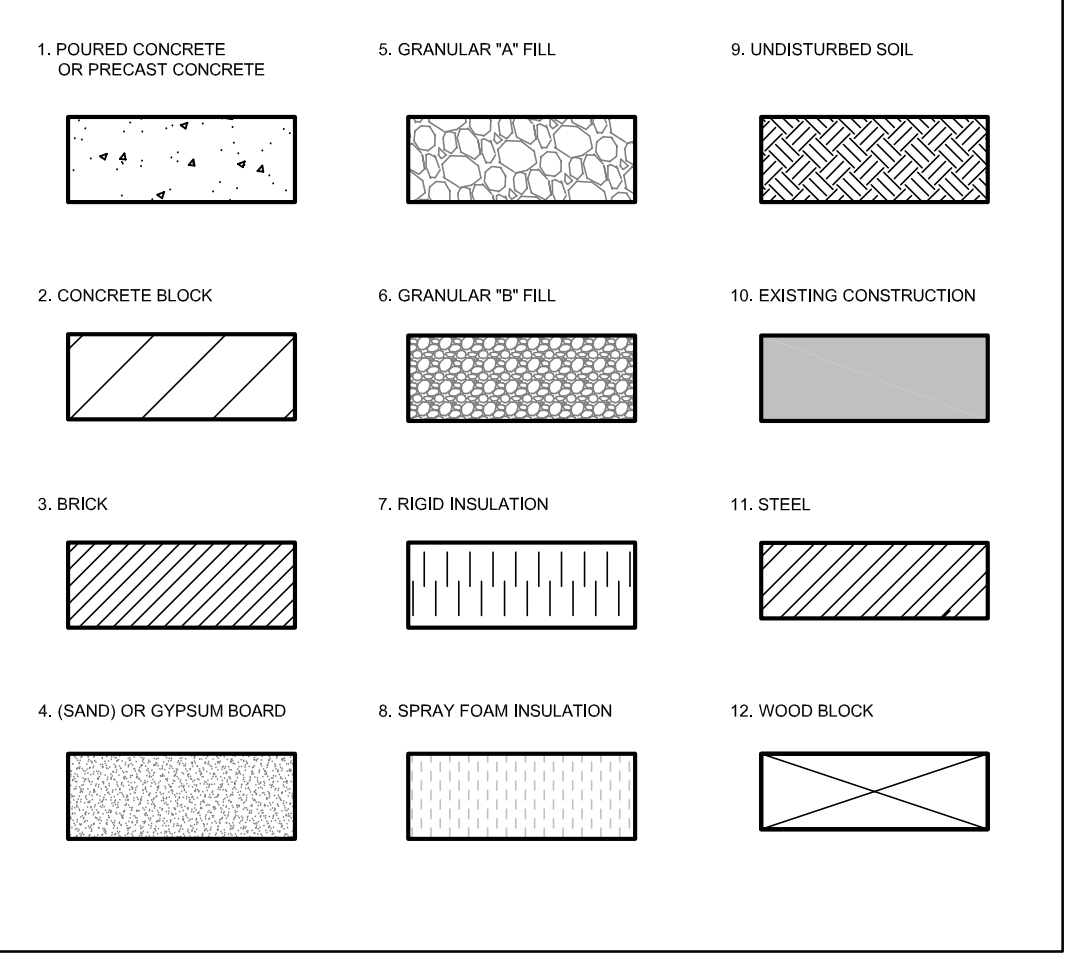
DRAWING SYMBOL LEGEND



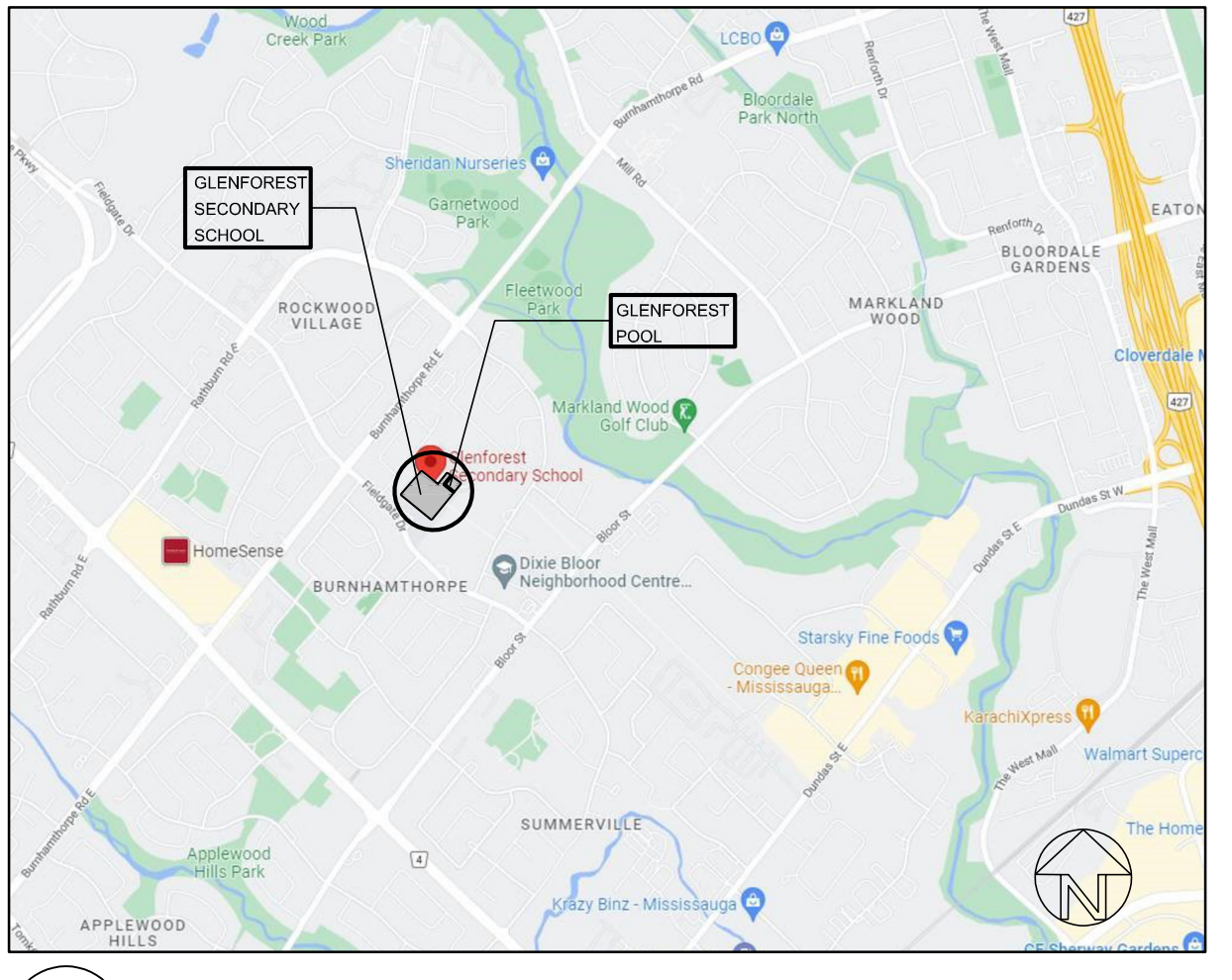
DEMOLITION NOTES

- ALL DEMOLISHED MATERIALS & DEBRIS ARE TO BE DISPOSED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- OWNER WILL SALVAGE ANY WANTED MATERIAL, EQUIPMENT, ETC. PRIOR TO CONSTRUCTION START. GENERAL CONTRACTOR TO REPAIR, PATCH & MAKE GOOD IN A WORKMANLIKE AND WHOLE CONDITION TO THE LINE OF PRIOR OWNER SALVAGE.
- REMOVAL ALL EXISTING TO REMAIN WALL PANELS, FE, FE & ELECTRICAL PANELS, ETC. TO NEW FINISHED WALL FACE AS INDICATED ON CONTRACT DOCUMENTS, ETC.
- REPAIR, PATCH & MAKE GOOD ALL EXISTING STRUCTURE AND BUILDING FINISHES THAT IS DAMAGED AS A RESULT OF CONSTRUCTION.
- ALL EXISTING ACOUSTIC TILE CEILING/GYP. BD. OR PLASTER CEILING DAMAGED DURING ALTERATIONS TO BE RETURNED TO A CONDITION EQUIVALENT TO BEFORE DISTURBANCE. ALL DAMAGED CEILING TILES TO BE REPLACED WITH MATCHING TILES INCLUDING FR.
- ALL REQUIRED CUTTING & FITTING (INCLUDING ALL STRUCTURAL, ELECTRICAL AND MECHANICAL) TO BE CONNECTED TO EXISTING WORK WITH NEW WORK TO BE PERFORMED AS PART OF THIS CONTRACT AND TO FINISH THE ENTIRE WORK IN A WORKMANLIKE AND WHOLE CONDITION.
- PROVIDE ALL OPENINGS IN EXISTING WALLS, FLOOR SLABS AND ROOF DECK AS REQUIRED FOR THE INSTALLATION OF NEW STRUCTURAL, MECHANICAL AND ELECTRICAL WORK IN THE EXISTING BUILDING. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL NEW WORK IN THE EXISTING BUILDING.
- ALL WORK TO MAKE GOOD EXISTING, SHALL MATCH EXISTING IN MATERIAL, CONSTRUCTION AND FINISH INCLUDING PAINT COLOUR BEHIND REMOVED FITTINGS / MILLWORK UNLESS OTHERWISE SPECIFIED.
- GENERAL CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION, ALTERATIONS AND MAKE GOOD ALL FINISHES AS REQUIRED TO MAKE THIS WORK AS A COMPLETE JOB INCLUDING BUT NOT LIMITED TO WORK SHOWN IN DRAWINGS AND SPECIFICATIONS.
- ALL OPENINGS IN FIRE RATED WALLS, CEILING AND FLOORS TO BE RETURNED TO EQUIVALENT CONDITION BEFORE THE OPENING AND ALL ELECTRICAL AND MECHANICAL PENETRATIONS TO BE SEALED WITH FIRE STOP MATERIAL AS REQUIRED BY THE O.B.C.
- ALL EXPOSED ELECTRICAL CONDUITS AND MECHANICAL DUCTS AND PIPES TO BE PAINT FINISH, COLOURS TO BE SELECTED BY CONSULTANT.
- CONTRACTOR TO CONTACT ALL AUTHORITIES RESPONSIBLE/ INVOLVED TO DISCONNECT EXISTING SERVICES (EG. HYDRO, BELL, GAS ETC.)
- ALL EXPOSED EDGES OF CONCRETE BLOCK WALLS BEING MODIFIED FOR PERMANENT ALTERATIONS SHALL BE BULLNOSED (WHERE APPLICABLE)
- WHEN REMOVING EXISTING DOOR/ WINDOW FRAMES AND CLOSING IN EXISTING OPENINGS FOR PERMANENT ALTERATIONS, CONTRACTOR TO REMOVE EXISTING BLOCK WITH BULLNOSE JAMBS AND SILLS AND REPLACE WITH NEW CONCRETE BLOCK (NO BULLNOSE) FLUSH WITH WALL FACE UNLESS INDICATED OTHERWISE.
- G.C. IS RESPONSIBLE FOR ANY TEMPORARY SUPPORTS, BRACING AND SHORING REQUIRED. REFER TO STRUCTURAL DRAWING AND SPECIFICATIONS FOR SUPPORT PROCEDURES PRIOR TO REMOVAL OF ANY LOAD-BEARING SUPPORTS.
- MAINTAIN EXISTING BUILDING SECURE FROM UNAUTHORIZED ENTRY DURING DEMOLITION PROCEDURES AND CONSTRUCTION ACTIVITIES.
- PROVIDE INTERIOR AND/OR EXTERIOR HOARDING AS REQUIRED TO FACILITATE ACCESS TO WORK AREAS. RECONFIGURE HOARDING AS REQUIRED AT COMPLETION OR START OF WORK STAGING. REFER TO SPEC.
- CONTRACTOR RESPONSIBLE FOR ALL TEMPORARY PROTECTION OF ALL FINISHES AND MATERIALS TO REMAIN. PROVIDE FULL PROTECTION TO EXISTING FLOORING AND OTHER FLOOR FINISHES TO PREVENT DAMAGE.
- REMOVE, PROTECT AND STORE ALL MATERIALS TO BE SALVAGED FOR REUSE ON THIS PROJECT WHERE INDICATED ON THE DRAWINGS.

MATERIAL LEGEND



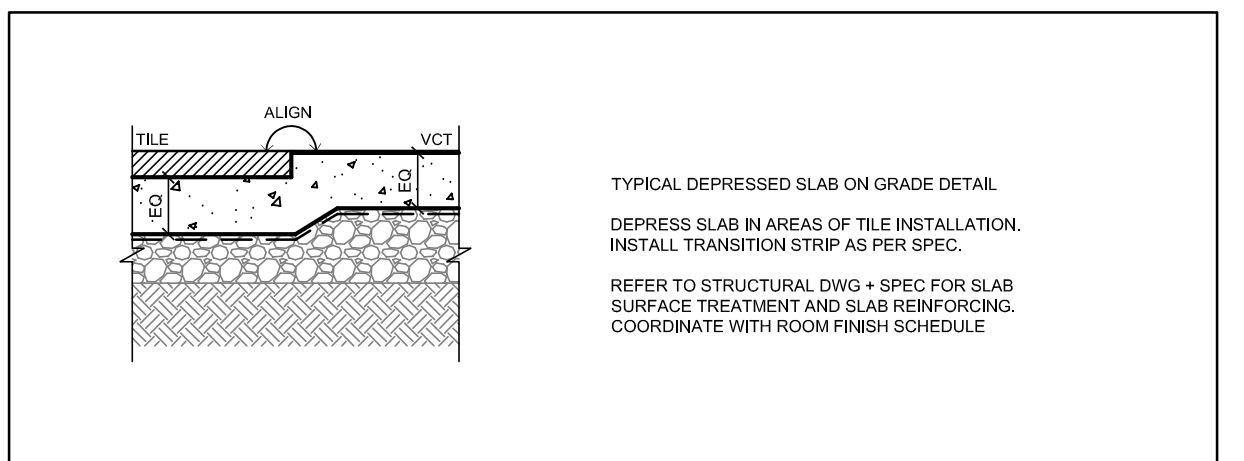
2 WALL TYPE DETAIL - W1
SCALE: NTS



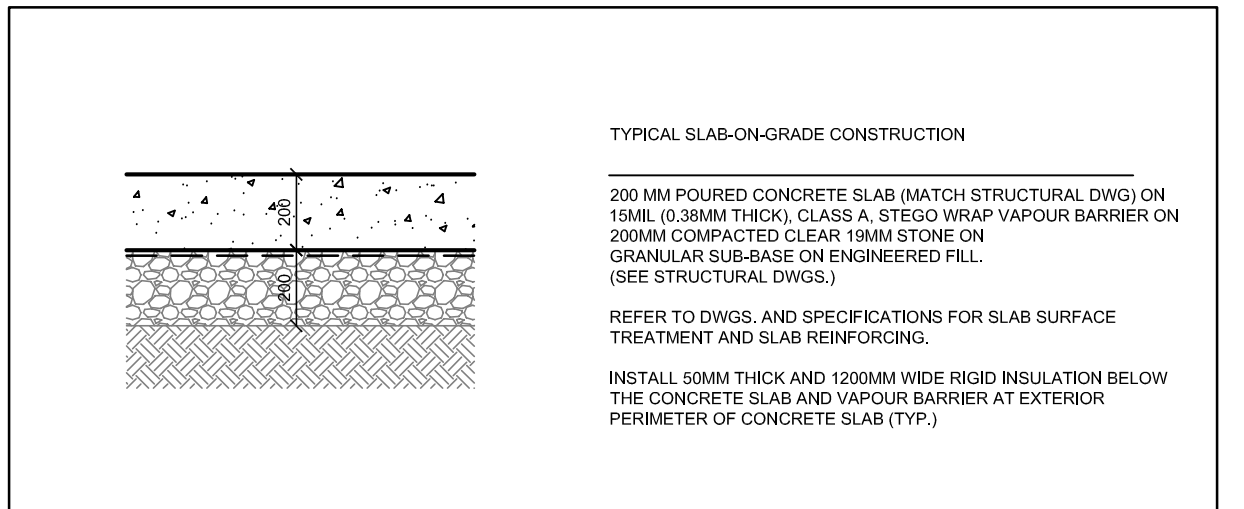
6 LOCATION MAP
A01

Name of Project: GLENFOREST SECONDARY SCHOOL POOL DEMOLITION		OBC Reference	
Location: 3575 FIELDGATE DR, MISSISSAUGA, ON L4X 2J6			
Ontario Building Code 2012 Data Metro-Division B-Part 11-Renovation of Existing Building			
11.1 Existing Building classification: Group "A" Division 2	Existing Use : <u>School</u> Construction Index: <u>Exist.</u> Hazard Index: <u>Exist.</u> Not Applicable (no change of major occupancy)	11.2.1 T 11.2.1.1A T 11.2.1.1(C)	
11.2 Alteration to Existing Building is:	Basic Renovation <input checked="" type="checkbox"/> Extensive Renovation <input type="checkbox"/>	11.3.3.1 11.3.3.2	
11.3 Reduction in Performance Level:	Structural: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes By Increase in occupant load: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes By change of major occupancy: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Sewage-system: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5	
11.4 Compensating Construction:	Structural: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Increase in occupant load: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Change of major occupancy: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Plumbing: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Sewage System: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5	
11.5 Compliance Alternative Proposed:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (give number(s))	11.5.1	

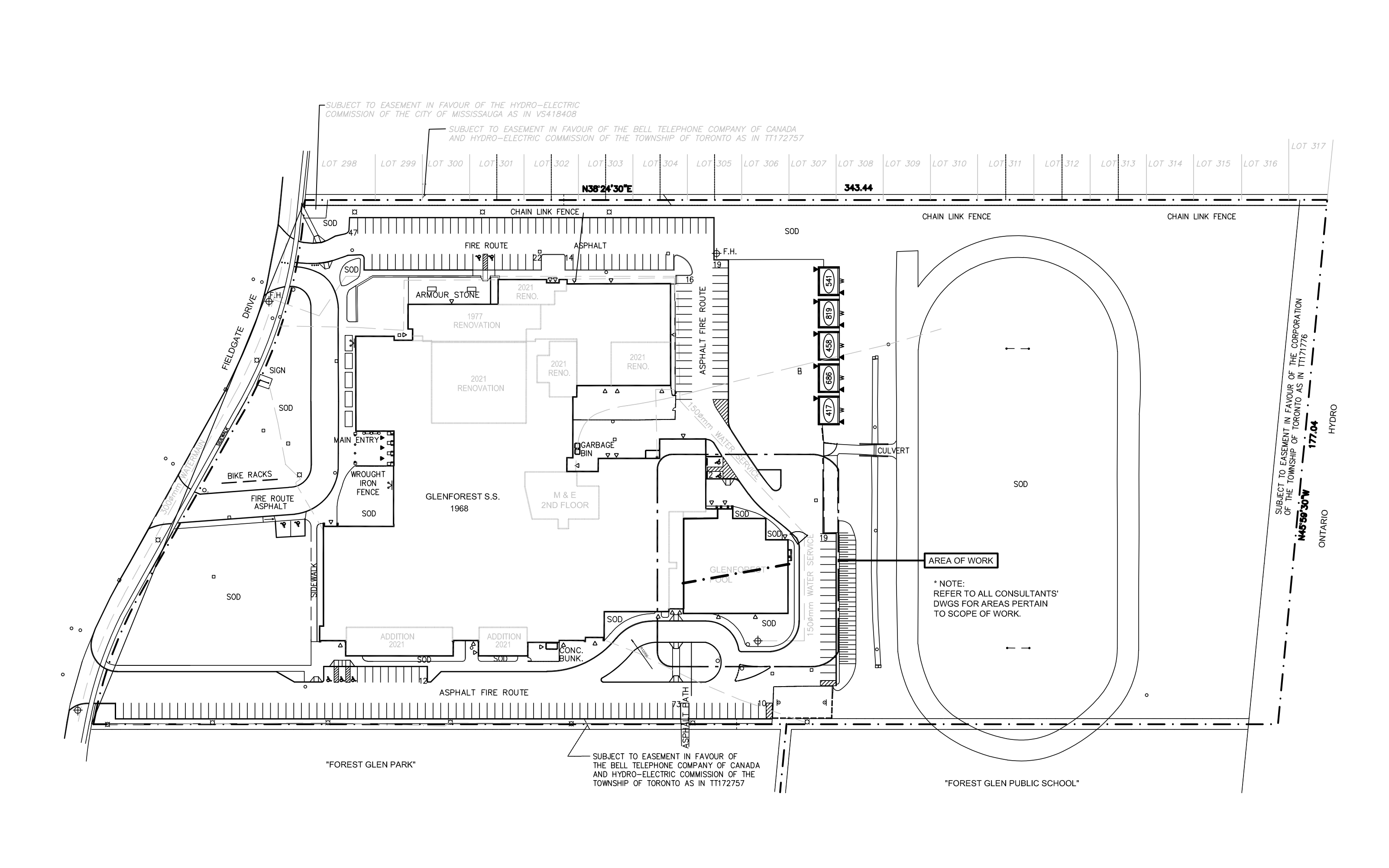
5 OBC MATRIX
A01



4 TYPICAL DEPRESSED SLAB DETAIL
SCALE: NTS



3 TYPICAL CONC. SLAB ON GRADE DETAIL
SCALE: NTS



1 EXISTING SITE PLAN
A01 SCALE: NTS

Notes

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Drawing North True North

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 26, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

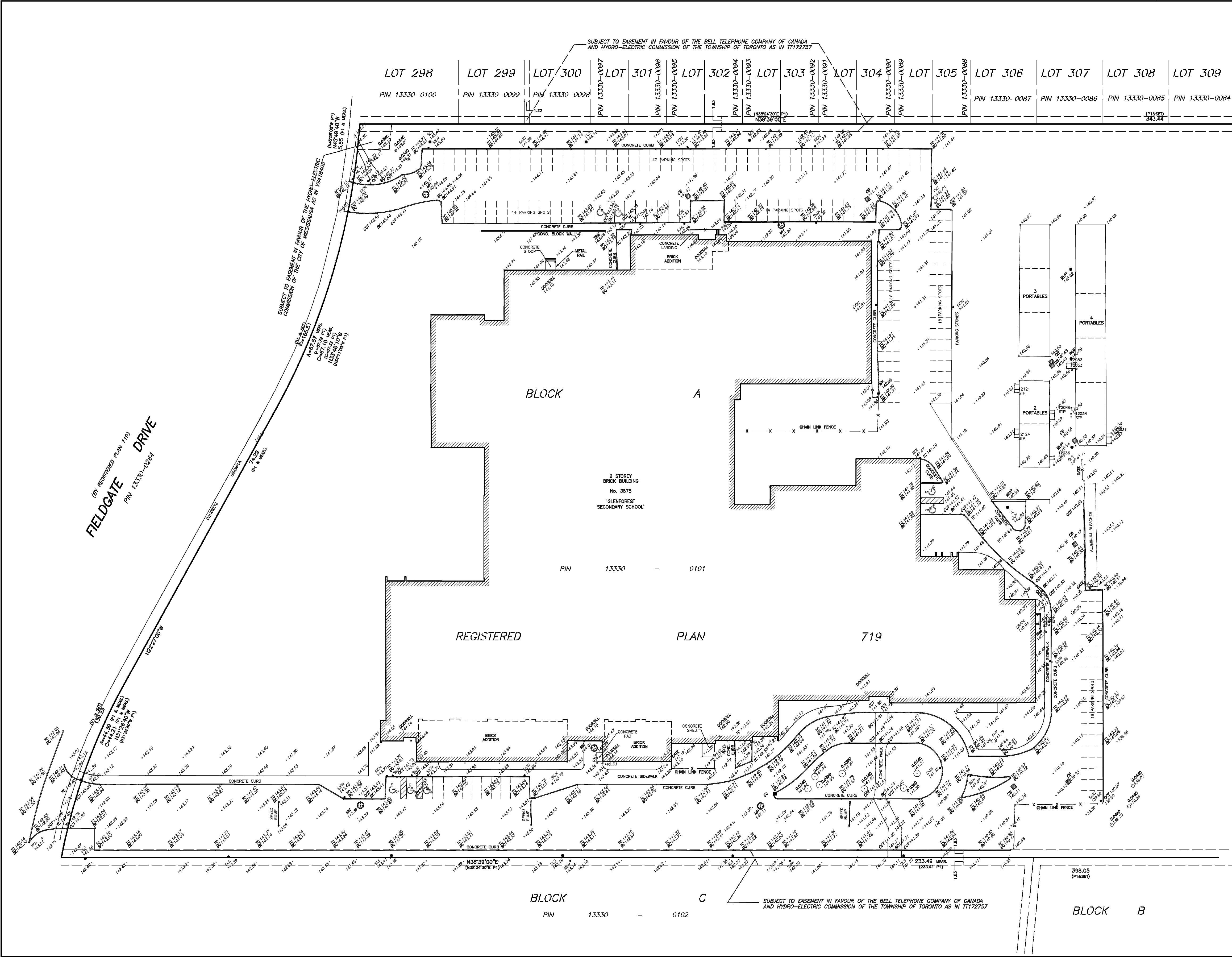
POOL DEMOLITION

Drawing Title
**GENERAL NOTES, OBC MATRIX,
EXISTING SITE PLAN**

Graphic Scale AS SHOWN		Sheet no.
Drawn AK / VSP	Checked AM	A01
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.

Notes

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PLAN OF AS BUILT TOPOGRAPHY OF
PART OF BLOCK A
REGISTERED PLAN 719
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

SCALE 1 : 400

TARASICK McMILLAN KUBICKI LIMITED
 ONTARIO LAND SURVEYORS
 © COPYRIGHT, 2021

METRIC
 DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ELEVATION NOTE
 ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928, AND WERE DERIVED FROM CITY OF MISSISSAUGA BENCHMARK No. 696, HAVING A PUBLISHED ELEVATION OF 135.346 metres.

BEARING NOTE
 BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE EASTERLY LIMIT OF FIELDGATE DRIVE AS SHOWN ON PLAN 719, HAVING A BEARING OF N22°27'00"W.

- LEGEND**
- DENOTES SURVEY MONUMENT FOUND
 - ISB DENOTES IRON BAR
 - STB DENOTES STANDARD IRON BAR
 - TC DENOTES TOP OF CURB
 - BC DENOTES BOTTOM OF CURB
 - CCT DENOTES CURB CUT
 - MH DENOTES MANHOLE
 - CB DENOTES CATCH BASIN
 - FHT DENOTES FIRE HYDRANT TOP
 - WUP DENOTES WOOD UTILITY POLE
 - WV DENOTES WATER VALVE
 - SLS DENOTES STEEL LIGHT STANDARD
 - INV. DENOTES INVERT
 - BOL DENOTES BOLLARD
 - PT DENOTES REGISTERED PLAN 719

- 0.20#D DENOTES DECIDUOUS TREE WITH TRUNK DIAMETER
- 0.20#C DENOTES CONIFEROUS TREE WITH TRUNK DIAMETER

TREE CANOPIES ARE DRAWN TO SCALE.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	APRIL 15, 2024
3	ISSUED FOR TENDER REVIEW	MARCH 26, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

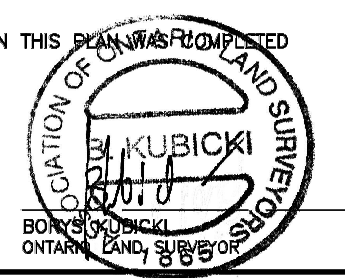
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SURVEYOR'S CERTIFICATE
 I CERTIFY THAT:
 1. THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS FIELD SURVEYED ON JANUARY 11, 2022

JANUARY 12, 2022
 DATE

TARASICK McMILLAN KUBICKI LIMITED
 ONTARIO LAND SURVEYORS
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 TEL: (905) 569-8849 FAX: (905) 569-3180
 E-MAIL: office@tmksurveyors.com
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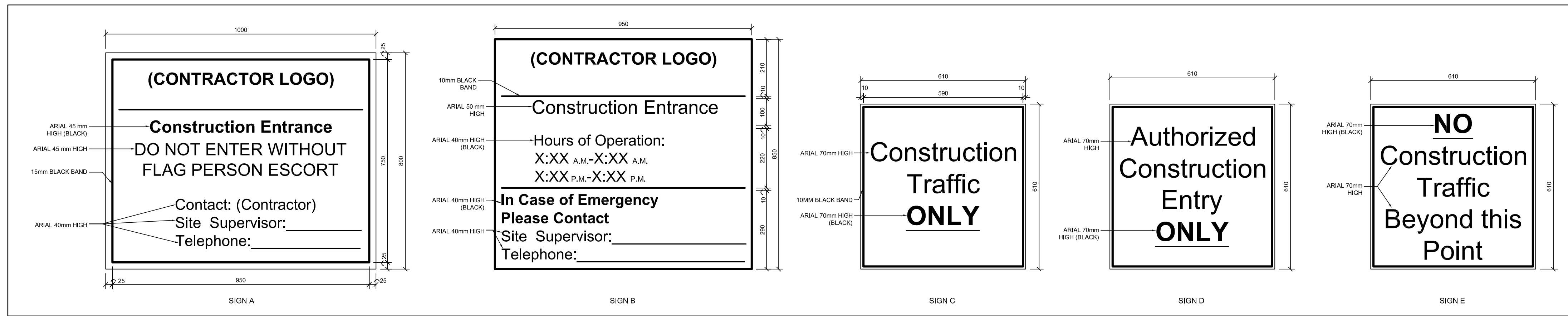
Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 3575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

Drawing Title
POOL DEMOLITION

Drawing Title
PART. SURVEY PLAN

Graphic Scale	Sheet no.
Drawn	Checked
CAD File	Scale
Date	Project No.
	Revision No.

A02

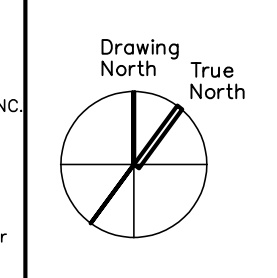


SITE PLAN NOTES:

- THE SITE PLANS TO BE READ IN CONJUNCTION WITH PLANS A100 AND A102.
- CONTRACTOR TO RECORD PRE-CONSTRUCTION CONDITIONS OF ACCESS ROUTE, DISTRIBUTE RECORDS TO CONSULTANT AND OWNER PRIOR TO START OF ANY WORK.
- CONTRACTOR MUST MAINTAIN EXISTING GRASS DURING CONSTRUCTION, OR MAKE GOOD AFTER CONSTRUCTION, UNLESS OTHERWISE INDICATED ON CONTRACT DOCUMENTS.
- ALL DAMAGED OR DISTURBED AREAS ARE TO BE REINTEGRATED.
- ALL EXCESS EXCAVATED MATERIAL WILL BE REMOVED FROM THE SITE.
- THE EXISTING DRAINAGE PATTERN WILL BE MAINTAINED EXCEPT WHERE NOTED.
- CONTRACTOR TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING.
- PRIOR TO CONSTRUCTION TAKING PLACE, ALL REQUIRED HOARDING IN ACCORDANCE WITH THE ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS MUST BE ERRECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
- A FLAG PERSON IS REQUIRED TO ESCORT CONSTRUCTION VEHICLES ON SCHOOL PROPERTY.

Notes

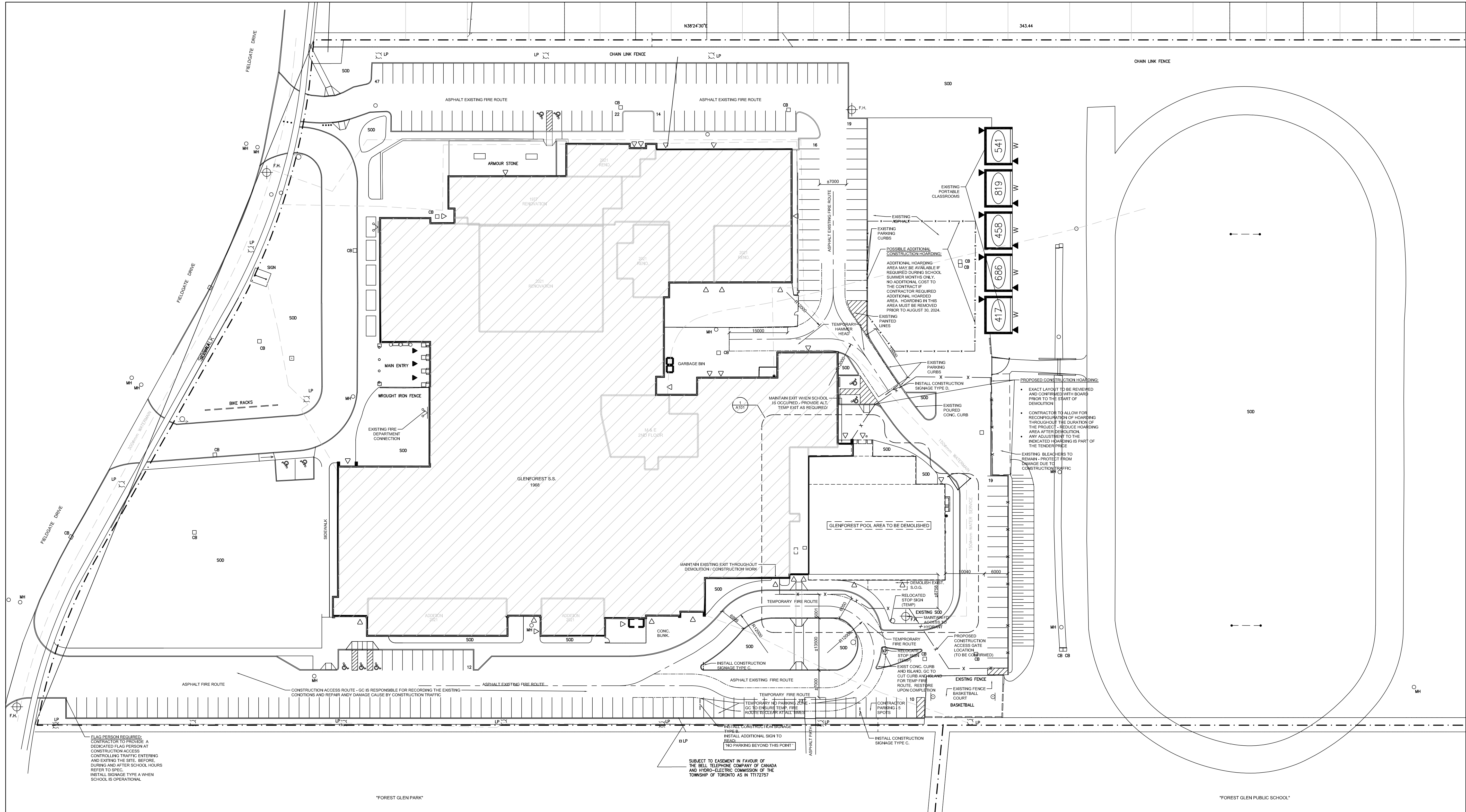
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2 STANDARD SITE SIGNAGE
A100 SCLAE: 1:10

3 GENERAL NOTES
A100 N/A

4 RESERVED
A100 N/A



1 DEMOLITION PART. SITE PLAN
A100 SCLAE: 1:500

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 26, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

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ONTARIO ASSOCIATION of ARCHITECTS

A. M. O. A. M. M.

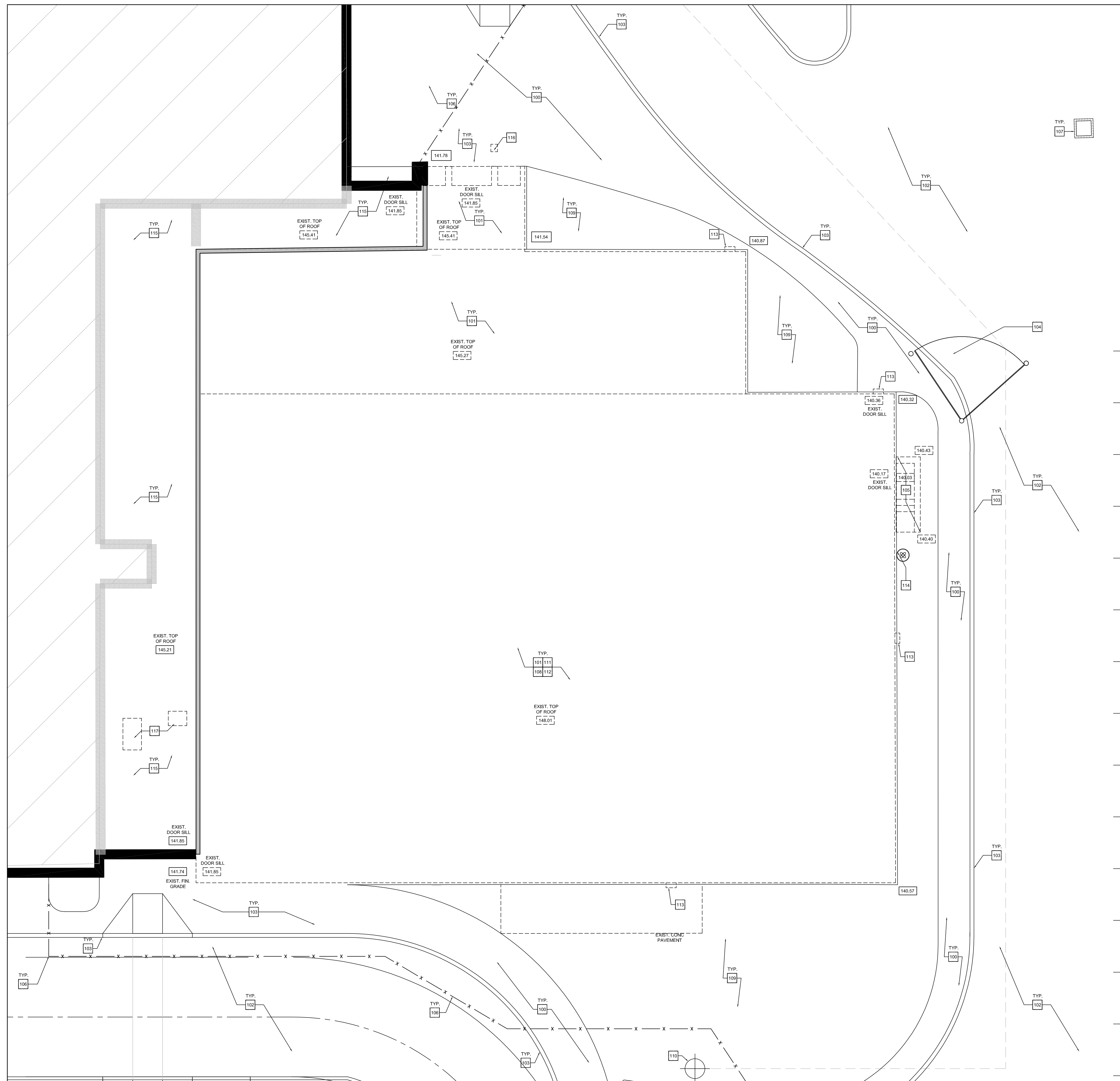
AHMAD MOTAMED LICENCE 4848

Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

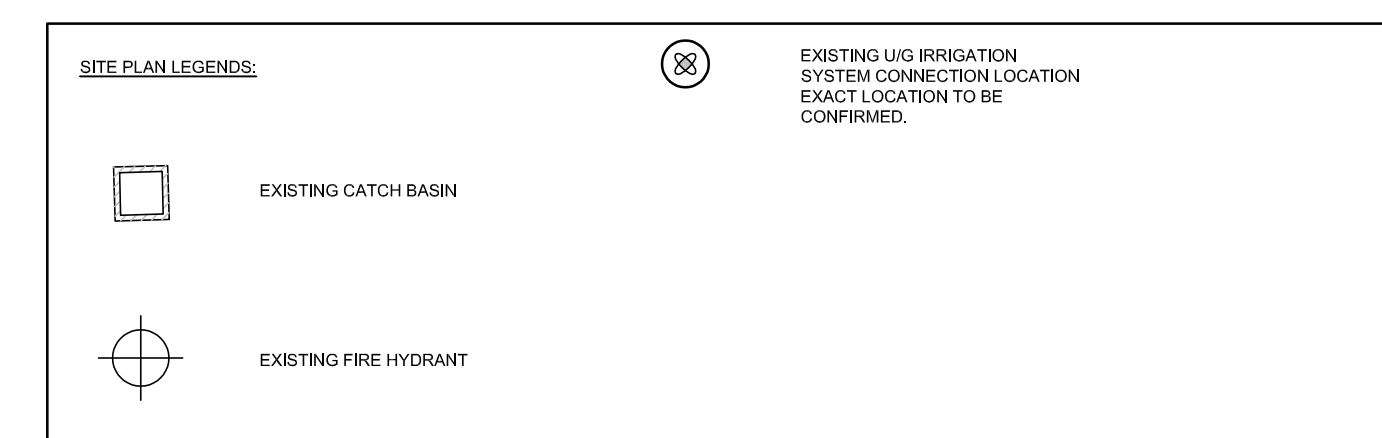
POOL DEMOLITION

Drawing Title
**DEMOLITION PART. SITE PLAN &
STANDARD SITE SIGNAGE**

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Drawn AK / VSP	Scale AS NOTED	Revision No.
CAD File AS NOTED	Date DECEMBER 2022	Project No. 222113



- SITE PLAN DEMOLITION KEY NOTES:**
- PROTECT EXISTING CONCRETE SIDEWALK, PROTECT AND REPAIR, DURING DEMOLITION AND CONSTRUCTION.
 - AREA OF PROPOSED DEMOLITION.
 - EXISTING ASPHALT TO REMAIN. PRIOR TO START OF WORK, RECORD EXISTING CONDITIONS. UPON COMPLETION OF WORK, PATCH, REPAIR, & MAKE GOOD ANY SURFACES AFFECTED BY THIS WORK TO MATCH EXISTING. NOTE LOCATION OF EXISTING FIRE ROUTE (HEAVY DUTY ASPHALT) REFER TO SPEC.
 - IF THE EDGE OF THE RESTORATION AREA IS LESS THAN OR EQUAL TO ONE METRE FROM THE NEAREST EDGE OF THE PAVEMENT, OR EDGE OF A PREVIOUSLY REPAIRED CUT, THE RESTORATION AREA SHALL BE EXTENDED TO THAT EDGE.
 - WHENEVER THE RESTORATION AREA IS MORE THAN HALF OF THE WIDTH OF THE DRIVEWAY, THE RESTORATION SHALL BE EXTENDED TO INCLUDE THE ENTIRE WIDTH OF THE DRIVEWAY, UNLESS INDICATED OTHERWISE.
 - EXISTING CONCRETE CURBS & SIDEWALKS TO REMAIN. REFER TO PROPOSED SITE PLAN & SPEC. PATCH, REPAIR, OR REPLACE, AND MAKE GOOD ANY SURFACES AFFECTED BY THIS WORK TO MATCH EXISTING.
 - WHEREVER DAMAGE FALLS BETWEEN EXPANSION JOINTS, THE REMOVAL AND SUBSEQUENT RESTORATION SHALL BE EXTENDED TO THE NEAREST EXPANSION JOINT.
 - WHERE THE CONCRETE SIDEWALK IS MONOLITHIC WITH THE CURB, THE SIDEWALK AND THE CURB SHALL BE CUT AND REMOVED AS A UNIT.
 - WHEREVER SPACE FOR CONCRETE FORMS ARE REQUIRED TO PERFORM SIDEWALK OR CURB REPAIRS ADJACENT TO AND EXISTING DRIVEWAY OR PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE DRIVEWAY OR PAVEMENT NEATLY PARALLEL TO THE SIDEWALK OR CURB.
 - EXISTING FIRE ROUTE GATE. GC TO REINSTATE UPON COMPLETION IF THE FIRE GATE IS REMOVED.
 - REMOVE AND DISCARD EXISTING CONCRETE STAIR INCLUDING ALL ASSOCIATED FOUNDATIONS & FOOTING. REMOVE & DISCARD ALL ASSOCIATED RAILINGS. REFER TO SPEC.
 - PROPOSED CONSTRUCTION HOARDING:
 - EXACT LAYOUT TO BE REVIEWED AND CONFIRMED WITH BOARD PRIOR TO THE START OF DEMOLITION.
 - CONTRACTOR TO ALLOW FOR RECONFIGURATION OF HOARDING THROUGHOUT THE DURATION OF THE PROJECT.
 - CONTRACTOR TO REDUCE THE HOARDED AREA TO REINSTATE FIRE ROUTE UPON COMPLETION OF DEMOLITION WORK.
 - EXISTING CATCH BASIN TO REMAIN. PROTECT DURING CONSTRUCTION.
 - GC TO SALVAGE ENOUGH BRICK FOR INFILL AREAS AS INDICATED.
 - EXISTING LANDSCAPING. REFER TO SPEC.
 - EXISTING FIRE HYDRANT TO REMAIN. KEEP ACCESSIBLE AND PROTECT DURING CONSTRUCTION.
 - CAREFULLY REMOVE & HAND OVER TO SCHOOL ANY EXISTING SIGNAGE IN AREAS OF WORK REQUIRED TO BE REMOVED TO FACILITATE THIS WORK.
 - CAREFULLY REMOVE EXISTING WALL MOUNTED CAMERA EQUIPMENT TO BE STORED IN A SAFE & DRY LOCATION FOR DURATION OF WORK. REINSTATE UPON COMPLETION OF WORK. FINAL LOCATION TO BE DETERMINED BY THE SCHOOL PRIOR TO REINSTALLATION. REFER TO ELECTRICAL DWGS & SPEC.
 - REMOVE & DISCARD EXISTING WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DWGS.
 - EXISTING CONNECTION POINT FOR UG IRRIGATION SYSTEM - TO BE PROTECTED DURING DEMOLITION.
 - EXISTING ROOF TO REMAIN. PROTECT DURING DEMOLITION OF ADJACENT AREAS.
 - REMOVE EXISTING POST & MOUNTED PDO ACTUATOR. REFER TO ELECT DWGS. PATCH AND REPAIR CONCRETE PAVING.
 - REFER TO ROOF PLAN.

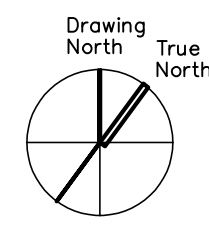


- GENERAL NOTES:**
- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW PSDS PROCEDURES.
 - REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK ON ALL M&E FITMENTS (TYP.)
 - WHERE EXISTING ELECTRICAL FITMENT HAS BEEN REMOVED, ALL PENETRATIONS THROUGH EXISTING WALLS & ROOFS ARE TO BE FILLED, PATCHED & FINISHED TO MATCH EXISTING FIRE RATING, WHERE APPLICABLE.
 - REFER TO M&E DWGS FOR ALL M&E FITMENTS TO BE SECURED & REINSTATED. GC TO PERFORM TESTING AS REQUIRED TO CONFIRM OPERATION.
 - ALL WORK SEQUENCES TO BE PERFORMED IN CONJUNCTION WITH EACH DISCIPLINE'S SCOPE OF WORK BY ALL CONSULTANTS.
 - ALL FITMENTS INDICATED TO BE REMOVED / DEMOLISHED ARE TO BE REMOVED & DISCARDED FROM MINIMUM HEIGHT OF 800mm BELOW FINISHED GRADE. GC TO SITE VERIFY. (TYP.)

BUILDING AREA	
EXISTING SCHOOL GFA: 16,270.67M ²	
EXISTING POOL GFA: 1,220.66M ²	
TOTAL GFA: 17,491.33M ²	
PROPOSED DEMOLITION: 1,205.06M ² GFA	DEMOLITION FOOTPRINT - 1067M ²
PROPOSED RENOVATION AREA: 69M ²	
EXISTING BUILDING FOOTPRINT:	
SCHOOL: 11,792.05M ²	PROPOSED BUILDING FOOTPRINT SCHOOL: 11,792.05
POOL: 1,093.37M ²	ALT: 34.82
TOTAL: 12,885.42	TOTAL: 11,826.05
EXISTING LOT COVERAGE: 18.9%	PROPOSED LOT COVERAGE: 18.3%
LOT AREA: 64,760.00 m ²	
EXISTING BUILDING HEIGHT: 9.0 m	PROPOSED BUILDING HEIGHT: 9.0M
EXISTING PARKING: 233 INCLUDING 9 BARRIER FREE	PROPOSED PARKING: 233 INCLUDING 9 BARRIER FREE
REQUIRED PARKING: 226	INCLUDING 9 BARRIER FREE
EXISTING PARKING IS BASED ON SCHOOL GFA.	
EXISTING ASPHALT DRIVES & PARKING: 16,116.32M ² PROPOSED ASPHALT DRIVE & PARKING 16, 116.32	

Notes

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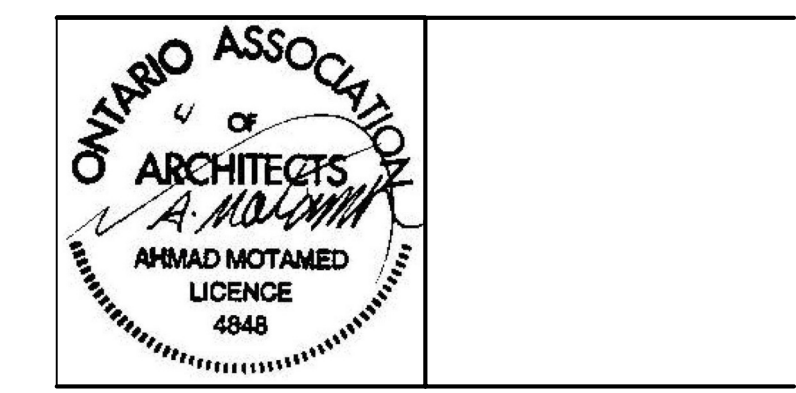


NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 26, 2024
3	ISSUED FOR GFA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

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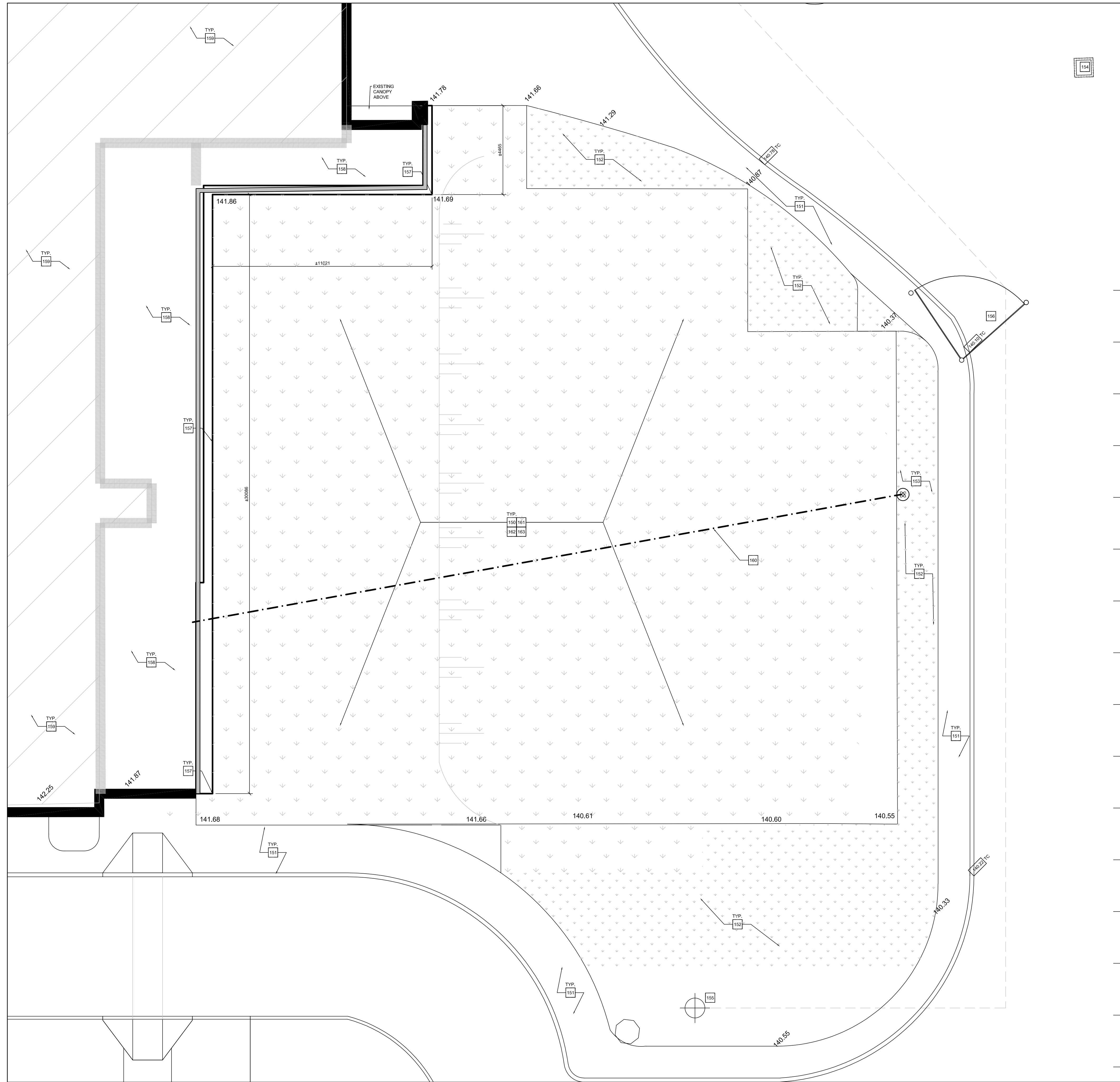


Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

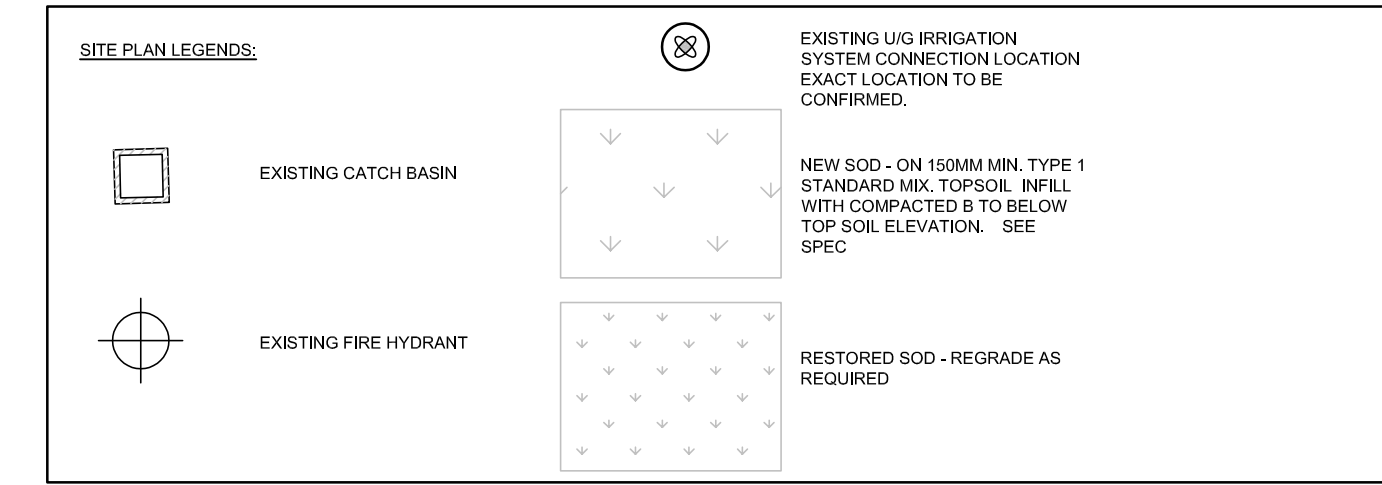
POOL DEMOLITION

Drawing Title
PARTIAL DEMOLITION SITE PLAN

Graphic Scale AS SHOWN		Sheet no.
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CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.

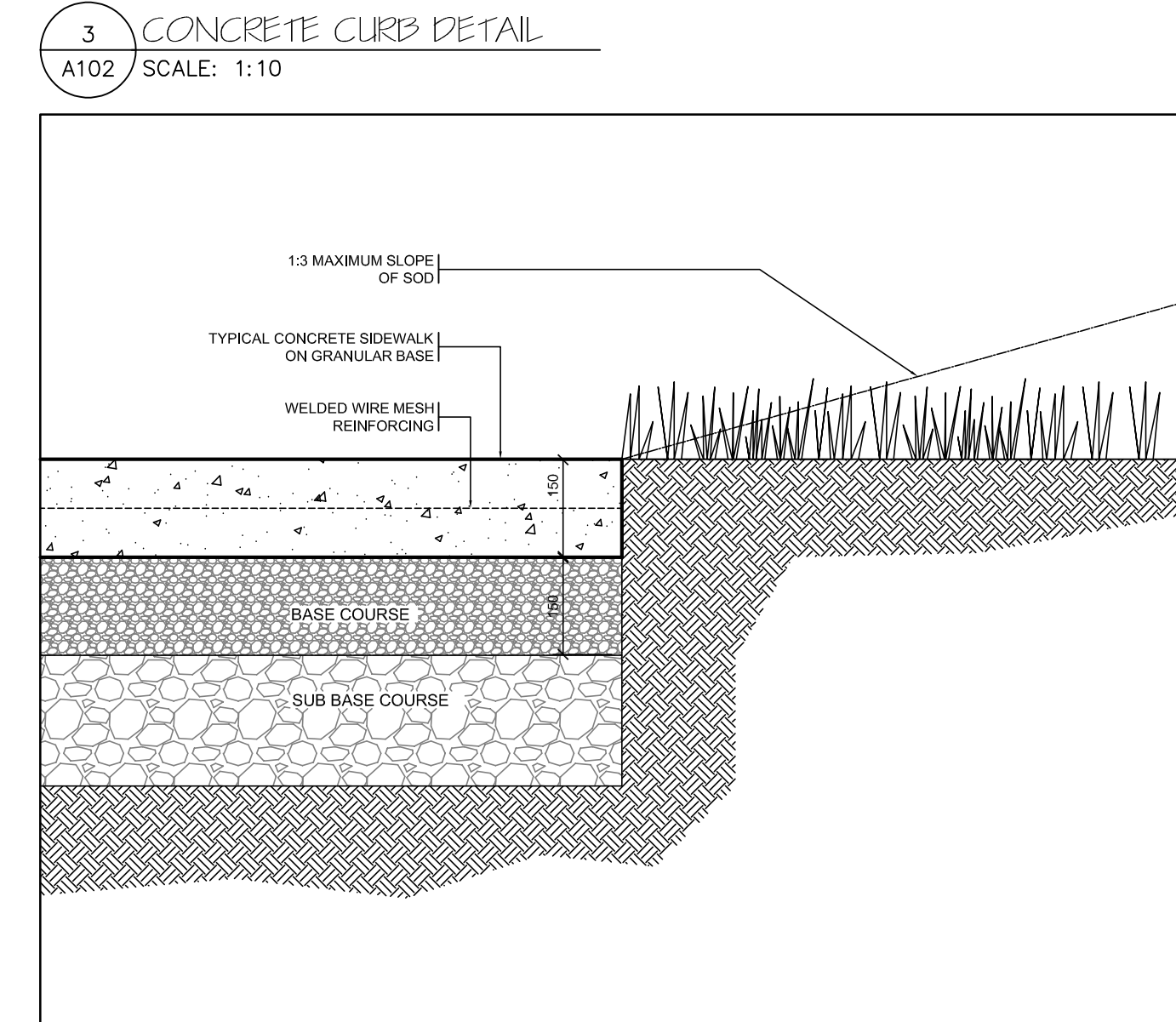
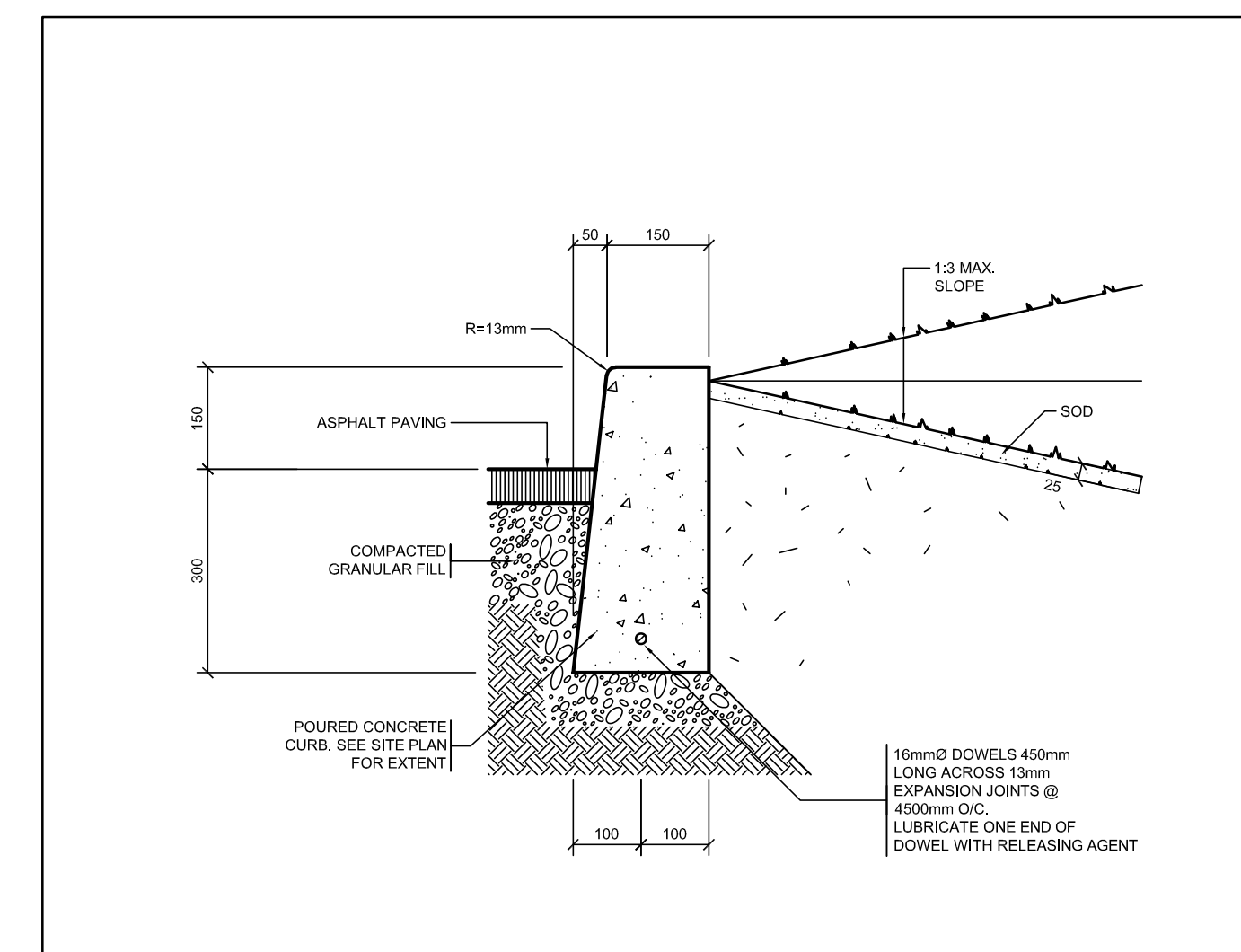


- SITE PLAN PROPOSED KEY NOTES:**
- PROPOSED SOD ON 150MM MN. DEPTH OF TYPE 1 STANDARD MIX TOPSOIL. PROVIDE TEMPORARY HOARDING AROUND NEW SOD AREAS TO PROTECT THE SOD AND REMOVE HOARDING AS REQUIRED. SEE SPEC.
 - EXISTING CONC. WALKWAYS AND CURBS - TO BE RESTORED
 - RESTORE EXISTING SOD AREA - RE-GRADE AS REQUIRED. PROVIDE TEMPORARY HOARDING FOR SOD PROTECTION - SEE SPEC.
 - RECONNECT EXISTING UG IRRIGATION LINE
 - EXISTING CATCH BASIN
 - EXISTING FIRE HYDRANT
 - EXISTING FIRE ROUTE GATE
 - OUTLINE OF PROPOSED NEW EXTERIOR WALL & PARAPET
 - EXISTING LOW ROOF
 - EXISTING GYMNASIUM HIGH ROOF
 - UNDERGROUND IRRIGATION LINE - REFER TO MECH. UG LINE SHOULD BE COORDINATED WITH THE LOWEST GRADE.
 - ROUGH GRADE AND FILL AREA TO ESTABLISH SUBGRADE REQUIRED. PROVIDE DRAINAGE PATTERN AS INDICATED ON DWGS. ROUND SMOOTHLY ALL TOPS AND TOES OF SLOPES. COMPACT ALL AREAS TO 95% STANDARD PROCTOR DENSITY UNLESS SPECIFIED OTHERWISE.
 - FINE GRADE ALL AREAS TO FINISHED GRADES AS SHOWN. PROVIDE UNIFORM SLOPES AWAY FROM BUILDING. SLOPE MAY NOT EXCEED 3:1 (3:1).
 - SCAFFRY SUBSOIL PRIOR TO SPREADING TOPSOIL. REMOVE ALL DEBRIS AND LEAVE A FINE TEXTURED EVEN SURFACE. ALL TOPSOIL TO BE IMPORTED. OBTAIN APPROVAL FOR QUALITY OF ANY IMPORTED TOPSOIL BEFORE DELIVERY TO THE SITE. TOPSOIL TO BE COMPACTED TO CREATE A FIRM, EVEN SURFACE.



SITE PLAN GENERAL NOTES:

- AREA AFFECTED BY CONSTRUCTION ACCESS OR STAGING TO BE FULLY RESTORED AT THE END OF CONSTRUCTION PERIOD TO PRE-CONSTRUCTION CONDITIONS OR BETTER. SOD AREAS TO BE RESTORED WITH NEW SODDING TO MEET OR EXCEED PSDS STANDARDS. NEW SODDING IS TO BE PROTECTED AS PER SPECIFICATIONS.



Notes

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Drawing North True North

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 26, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

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ONTARIO ASSOCIATION OF ARCHITECTS

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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

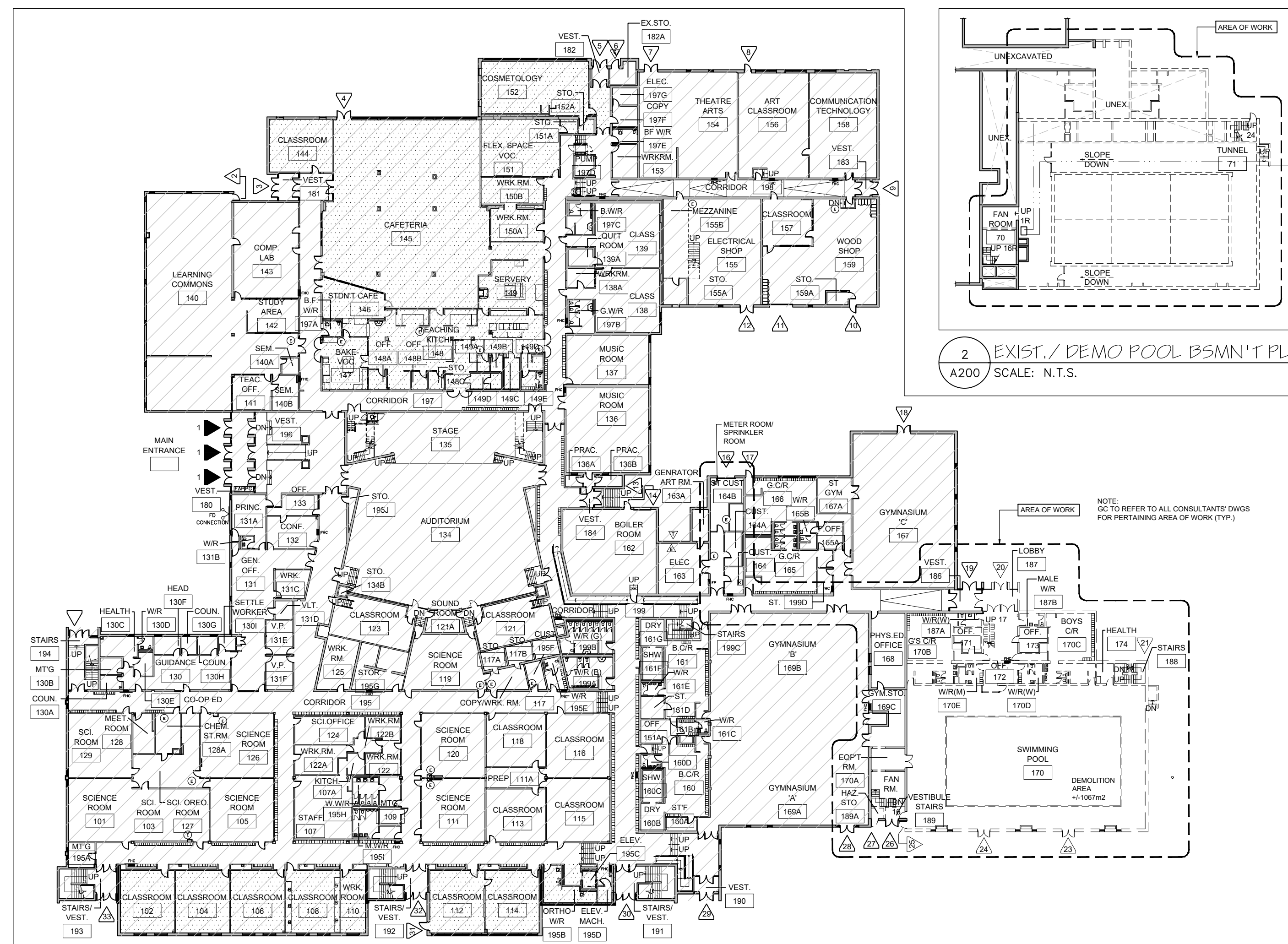
POOL DEMOLITION

Drawing Title
**PROPOSED PARTIAL SITE PLAN &
SITE DETAILS**

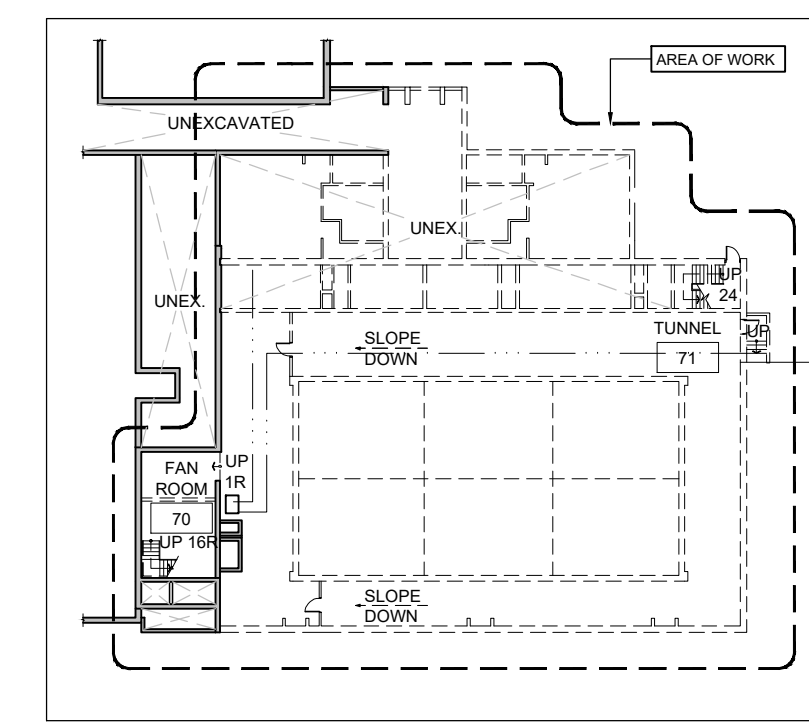
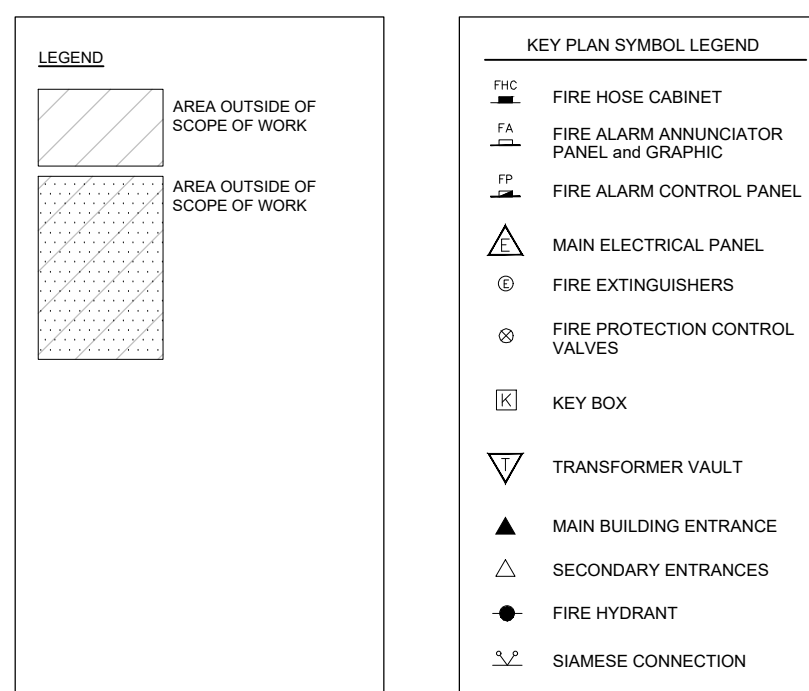
Graphic Scale AS SHOWN	Checked AM	Sheet no. A102
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CAD File AS NOTED	Project No. 222113	Revision No.
Date DECEMBER 2022		

1 PARTIAL PROPOSED SITE PLAN
A102 SCLAE: 1:100

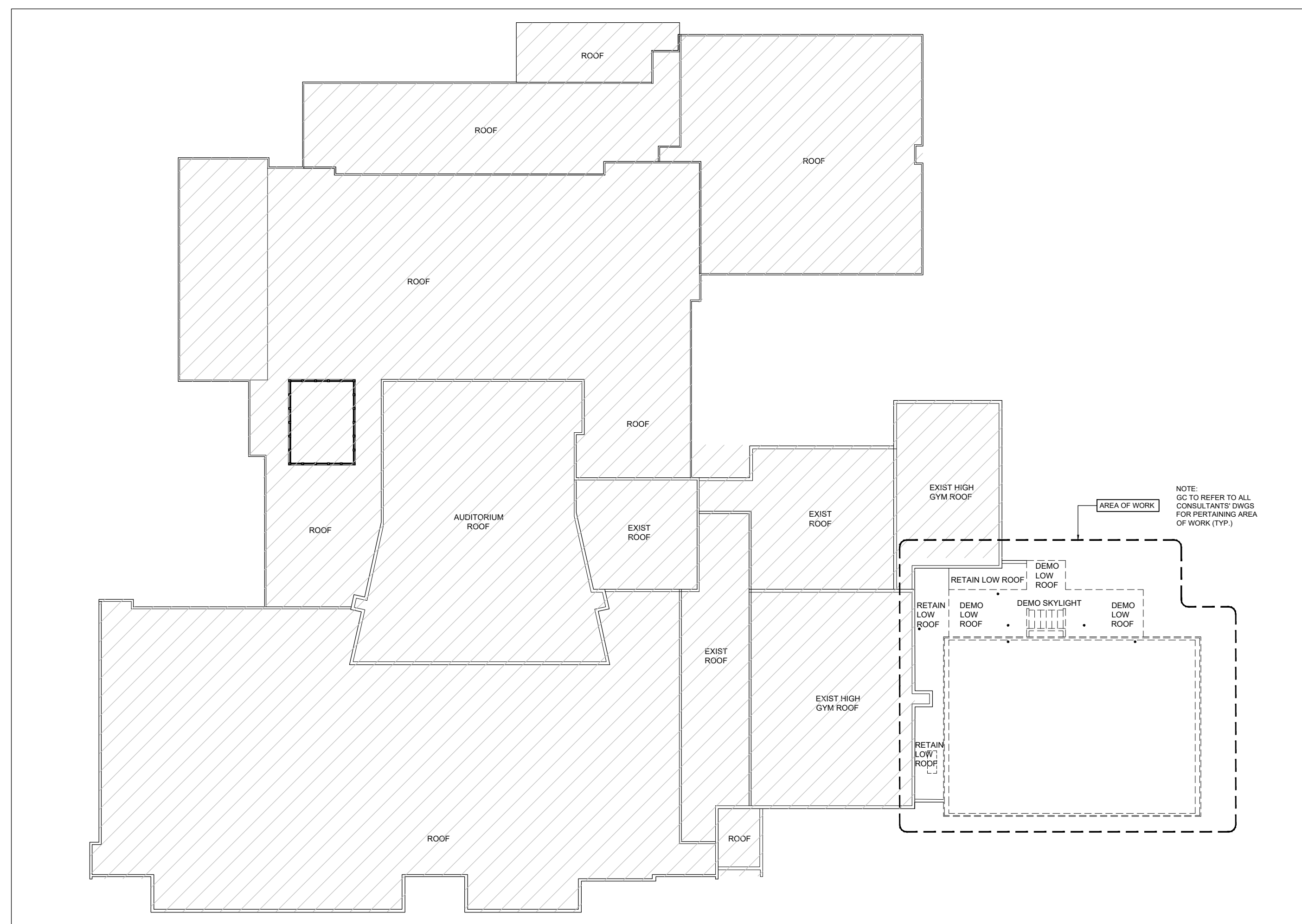
2 CONCRETE PAVING AT SOD DETAIL
A102 SCALE: 1:10



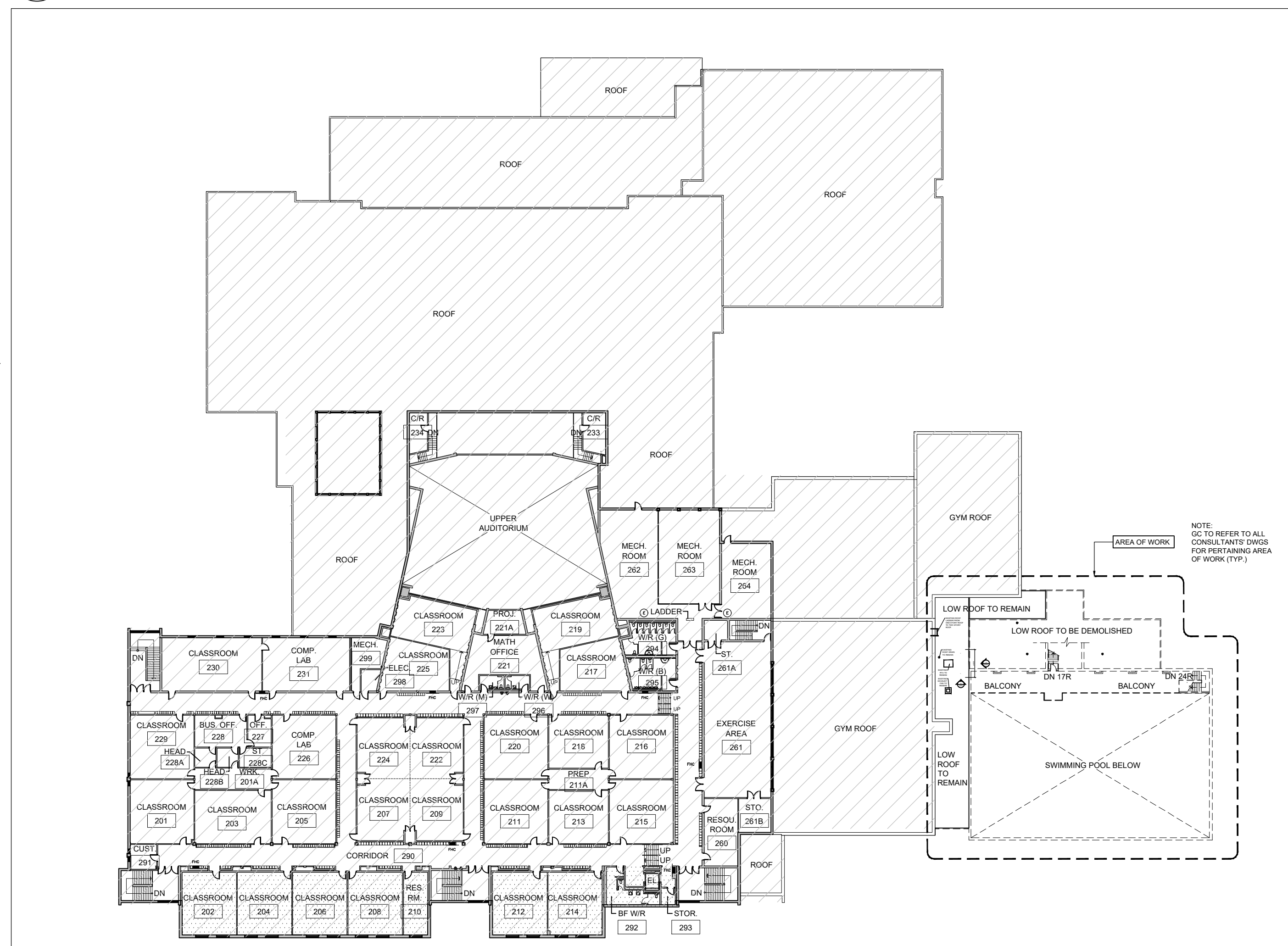
1 EXISTING FIRST FLOOR DEMOLITION KEY PLAN
A200 SCALE: N.T.S.



2 EXIST./ DEMO POOL BSMN'T PLAN
A200 SCALE: N.T.S.



4 EXISTING / DEMOLITION ROOF PLAN
A200 SCALE: N.T.S.



3 EXISTING SECOND FLOOR DEMOLITION KEY PLAN
A200 SCALE: N.T.S.

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5	ISSUED FOR TENDER	MARCH 26, 2024
4	REISSUED FOR FIRE DEPARTMENT REVIEW	MARCH 19, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023
NO.	DESCRIPTION	DATE

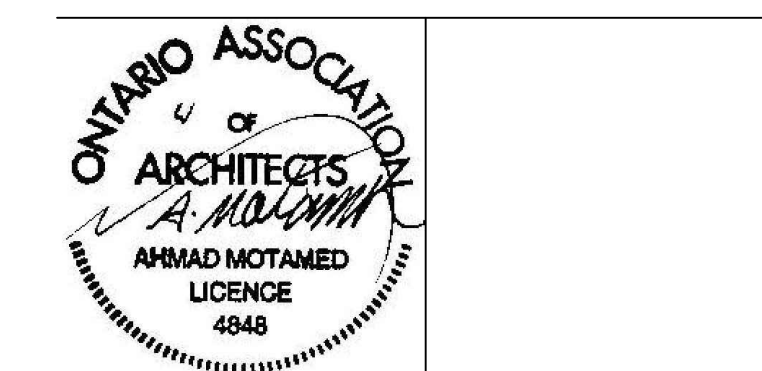
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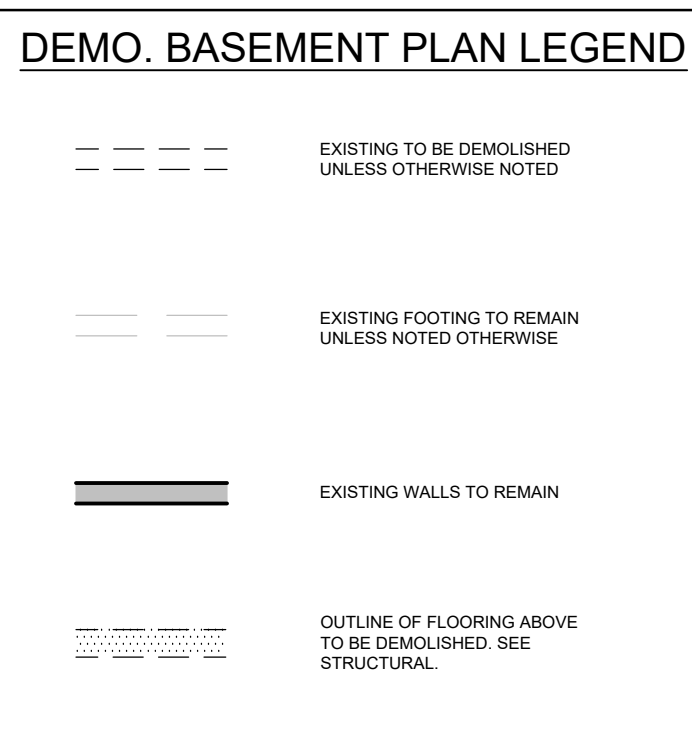
POOL DEMOLITION

Drawing Title
**EXISTING / DEMOLITION KEY PLANS &
ROOF PLAN**

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CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.

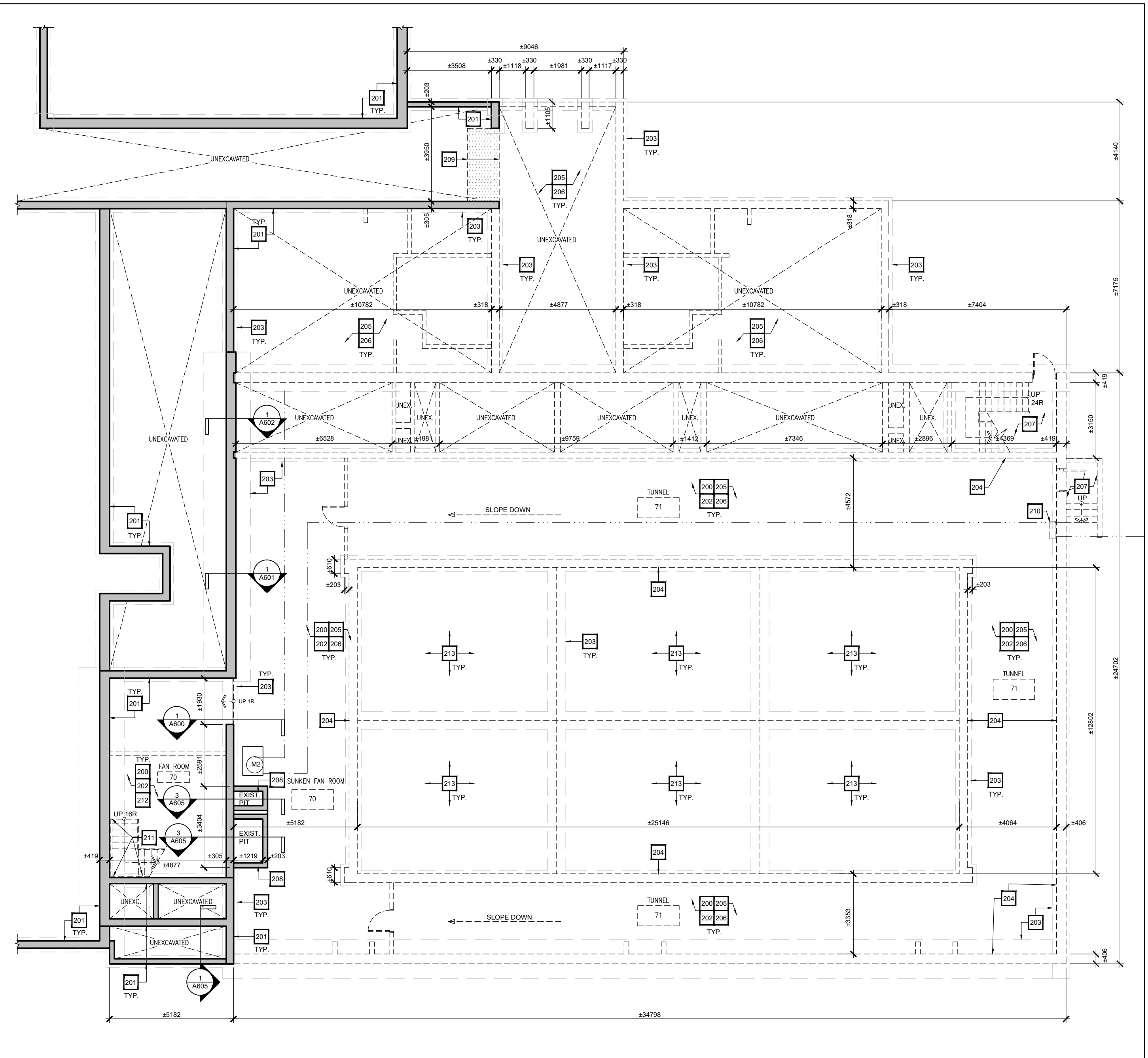
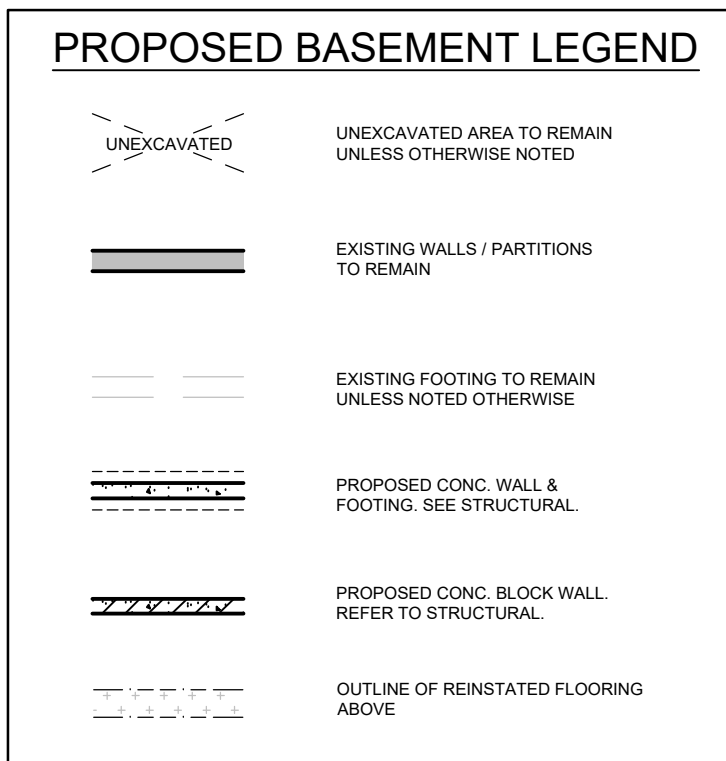
A200

- ### DEMOLITION BASEMENT PLAN KEY NOTES
- REFER TO ABATEMENT SCOPE OF WORK. PERFORM ABATEMENT WORK PRIOR TO OTHER DEMOLITION SCOPE.
 - EXISTING WALL/ COLUMN STRUCTURE TO REMAIN. PROTECT DURING CONSTRUCTION AS REQUIRED. REFER TO STRUCTURAL DWGS.
 - REMOVE ALL DECOMMISSIONED EQUIPMENT IN THE POOL, TUNNELS AND FAN ROOM AREA. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.
 - EXISTING CONCRETE FOOTING TO REMAIN. SAWCUT TO INTERRUPT CONTINUOUS SECTIONS. PROTECT & PREPARE WHERE REQUIRED TO RECEIVE NEW / ADDITIONAL FOUNDATION WALL. IF INDICATED. REFER TO STRUCTURAL DRAWINGS.
 - EXISTING POOL FOUNDATION WALL TO BE DEMOLISHED AND REMOVED.
 - EXIST. POOL, CR, LOBBY, OFFICE, WIR, STAIRS AREA TO BE DEMOLISHED AS INDICATED. FOUNDATION WALLS TO BE DEMOLISHED TO MIN. 600mm BELOW FIN. GRADE UNLESS NOTED OTHERWISE.
 - REMOVE & DISCARD ALL STRUCTURES MINIMUM OF 600mm BELOW FINISHED GRADE. SITE VERIFY. (TYP.)
 - EXISTING STAIRS, RAILING, FDN. WALLS AND FOOTINGS ASSEMBLIES TO BE DEMOLISHED & DISCARDED. ALL FITMENTS TO BE REMOVED TO MINIMUM OF 600mm BELOW FINISHED GRADE. SITE VERIFY. (TYP.)
 - PREPARE EXISTING SUMP PUMP PIT TO BE INFILLED. SEE MECHANICAL & STRUCTURAL DWG.
 - CUTBACK EXIST. SLAB & FLOORING ABOVE AT CORRIDOR AS REQD TO INSTALL NEW FOUNDATION WALL AND FOOTING AS INDICATED. DEPTH OF SLAB CUTBACK TO BE ESTIMATED IN CONJUNCTION WITH AREA REQUIRED TO PERFORM NEW PROPOSED FOUNDATION WALL INSTALLATION SUPPORTING NEW EXTERIOR WALL ABOVE. REFER TO STRUCTURAL DRAWINGS.
 - EXISTING IRRIGATION SYSTEM CONTROL BOX. MARK LOCATION AND PROTECT PIPING FOR FUTURE CONNECTION.
 - CAREFULLY DISASSEMBLE, REMOVE & DISPOSE OF EXIST. STEEL STAIRS & RAILINGS ASSEMBLIES IN EXIST. FAN ROOM AS INDICATED. PATCH, REPAIR & MAKE GOOD ALL AFFECTED SURFACES TO MATCH EXIST. CONDITION.
 - UPON COMPLETION OF ALL REQUIRED REMOVAL, REROUTING / RECONNECTION, PATCH AND/OR REPAIR WORKS PERFORMED, GC TO INFILL EXIST. FAN ROOM AS INDICATED AND PREPARE TO RECEIVE NEW FLOORING ABOVE TO BE CONNECTED TO ADJACENT FLOORING AT GROUND FLOOR LEVEL. REFER TO ALL CONSULTANTS DWGS & SPEC.
 - EXISTING 200MM REINFORCED CONC. POOL BOTTOM SLAB TO BE DEMOLISHED AND REMOVED.

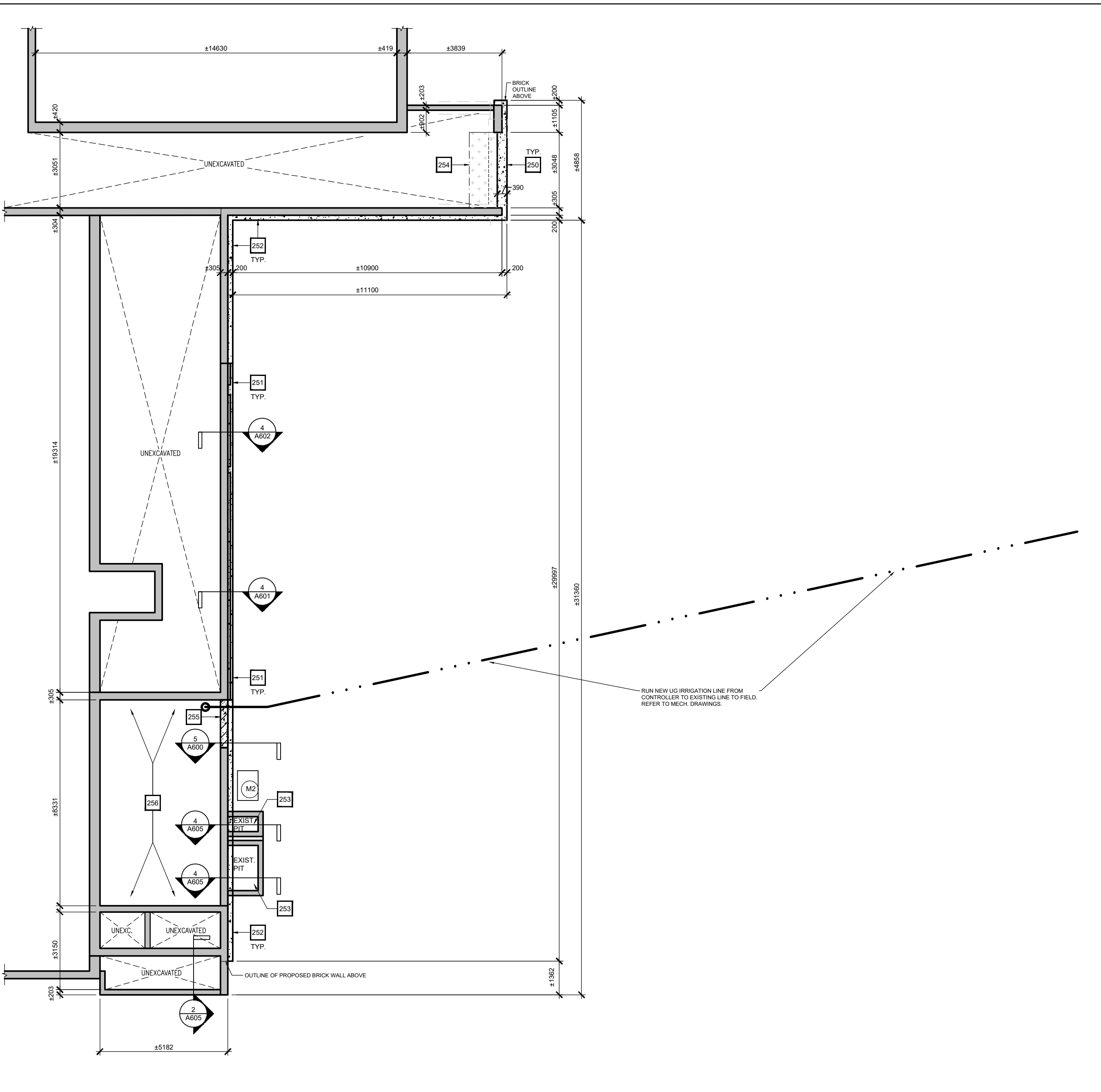


- ### GENERAL NOTES
- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW PDSB PROCEDURES.
 - REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK ON ALL M&E FITMENTS (TYP.)
 - GC TO REMOVE GYP. BD. CEILING TO ALLOW FOR M&E RENOVATION WORK AS REQUIRED. REPAIR CEILING AT COMPLETION OF WORK TO MATCH EXISTING.
 - CONFIRM CEILING LAYOUT & HEIGHT ON SITE. ENSURE EXISTING FIRE RATED CEILING IS MAINTAINED WHERE EXISTING.
 - WHERE SPRAY APPLIED FIREPROOFING IS ENCOUNTERED, GC TO ENSURE THAT ANY DISTURBED AREAS ARE RESTORED PRIOR TO CLOSING CEILINGS. PROVIDE INSPECTION REPORT.
 - WHERE EXIST. ELEC. FITMENT HAS BEEN REMOVED, ALL PENETRATIONS THROUGH EXIST. WALLS & CEILINGS ARE TO BE FILLED, PATCHED & FINISHED TO MATCH EXIT. FIRE RATING WHERE APPLICABLE.
 - PROPOSED CEILING HEIGHTS TO MATCH EXISTING UNLESS OTHERWISE NOTED. (TYP.)
 - SECURE & REINSTATE ALL M&E FITMENTS AS INDICATED. GC TO PERFORM TESTING AS REQUIRED TO CONFIRM OPERATION. REFER TO M&E DRAWINGS.
 - INSTALL TRANSITION STRIPS AT LOCATIONS WHERE THERE IS A CHANGE IN FLOORING. (TYP.)
 - ALL WORK SEQUENCES TO BE PERFORMED IN CONJUNCTION WITH EACH DISCIPLINE'S SCOPE OF WORK BY ALL CONSULTANTS.
 - ALL FITMENTS INDICATED TO BE REMOVED / DEMOLISHED ARE TO BE REMOVED & DISCARDED FROM MINIMUM DEPTH OF 600mm BELOW FINISHED GRADE. GC TO SITE VERIFY. (TYP.)

- ### PROPOSED BASEMENT PLAN KEY NOTES
- PROPOSED NEW FOUNDATION WALL AND FOOTING. REFER TO STRUCTURAL DWGS. & SPECS.
 - PROPOSED NEW CONCRETE LEDGE. REFER TO STRUCTURAL DWGS. & SPECS.
 - PROPOSED NEW CONC. FOUNDATION WALL ON EXISTING CONC. FOOTING. SEE STRUCTURAL.
 - INFILLED EXISTING SUMP PUMP PIT UNDER PROPOSED NEW CONC. FOUNDATION WALL. REFER TO STRUCT.
 - OUTLINE OF REINSTATED FLOORING ABOVE. REFER TO STRUCTURAL DRAWINGS & SPECS.
 - PREP & INFILL EXISTING OPENING WITH MATCHING CONC. BLOCK TOOTH IN NEW BLOCK. TO PROVIDE SMOOTH & CONTINUOUS SUBSTRATE SURFACE TO NEW FOUNDATION.
 - BACKFILL EXISTING FAN ROOM TO RECEIVE NEW FLOORING AT STORAGE ROOM LEVEL AS INDICATED. REFER TO SLAB ON GRADE DETAIL 3A01 & SPECS. ELEVATE NEW FLOOR LEVEL TO MATCH WITH ADJACENT EXIST. 1ST FLOOR ROOM LEVELS. SEE STRUCTURAL DWGS. & SPEC. GC TO ENSURE ALL FITMENTS REMOVAL/RELOCATION/ INSTALLATION & ABATEMENT WORKS ARE PERFORMED IN CONJUNCTION WITH ALL DISCIPLINES PRIOR TO BACKFILL.



1 PART. DEMOLITION BASEMENT PLAN
A201 SCALE: 1:125



2 PART. PROPOSED BASEMENT PLAN
A201 SCALE: 1:125

Notes

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Drawing North True North

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ARMAD MOTAMED LICENCE 4848

Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
BASEMENT PARTIAL PLANS

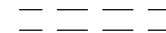


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	Revision No.

A201

DEMOLITION 1ST FLOOR PLAN KEY NOTES

- 220. REFER TO ABATEMENT SCOPE OF WORK. PERFORM ABATEMENT WORK PRIOR TO OTHER DEMOLITION SCOPE.
- 221. EXISTING WALL/ COLUMN/ STRUCTURE TO REMAIN. PROTECT DURING CONSTRUCTION AS REQUIRED. REFER TO STRUCTURAL DWGS. DRILL FOR ELEC. CONDUIT FOR PDU POWER. REFER TO ELEC. DRAWINGS.
- 222. REMOVE ALL DECOMMISSIONED FITMENTS IN THE POOL, EQUIPMENT / FAN ROOMS, CHANGE ROOMS / W/R / POOL OFFICES, VESTIBULE / LOBBY & STAIRS AREAS. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.
- 223. RESERVED
- 224. REMOVE AND DISCARD EXISTING STAIRS INCLUDING ALL ASSOCIATED FOUNDATIONS & FOOTING. REMOVE & DISCARD ALL ASSOCIATED RAILINGS & ANCHORS. REFER TO SPEC.
- 225. CUTBACK EXIST. FLOORING AS REQUIRED TO GAIN ACCESS TO INSTALL NEW FOUNDATION WALL & FOOTING. DEPTH OF CUTBACK TO BE DETERMINED AT SITE. REFER TO STRUCTURAL DWGS & SPECS.
- 226. CAREFULLY REMOVE & DISPOSE EXIST. LVL OVER ABOVE DOORS & FRAMES. REINFORCE EXIST. LINTEL TO ACCOMMODATE NEW MATCHING MASONRY SYSTEM ABOVE DOOR & FRAME. PREPARE TO RECEIVE NEW REINFORCEMENT & EXT. WALL ASSEMBLY ABOVE AS INDICATED. REFER TO STRUCT. DWGS & WALL SECTION 1A605.
- 227. REMOVE & DISCARD EXIST. DOOR & FRAME. PREPARE TO RECEIVE NEW MASONRY WALL TO MATCH EXIST. AND NEW CLADDING WALL. REFER TO WALL TYPE AND STRUCTURAL DWGS & SPECS.
- 228. REMOVE EXISTING INTERIOR DOORS & FRAMES. PREPARE TO RECEIVE NEW MASONRY INFILL FOR NEW EXTERIOR WALL.
- 229. CAREFULLY REMOVE UPPER PORTION OF EXIST. MASONRY WALL AND/OR ROOFING IN POOL AREA TO PROVIDE SUITABLE SUBSTRATES FOR NEW ROOFING PARAPET WALL. PREPARE TO RECEIVE NEW PARAPET / ROOF FEATURES (CLADDING FINISH AS INDICATED). GC TO ENSURE EXISTING SUBSTRATES/ WALLS ARE SUFFICIENTLY PREPARED TO PROVIDE SMOOTH & CLEAN SURFACE TO RECEIVE NEW EXTERIOR CLADDING SYSTEM. REMOVE ALL WALL HUNG / SECURED FITMENTS INCLD. ACOUSTIC PANELS, SCOREBOARD, FIRE ALARM, BANNERS, ETC. REFER TO STRUCTURAL AND M&E DWGS & SPECS.
- 230. EXISTING HOSE BIB TO REMAIN - SEE MECH.
- 231. CAREFULLY DISASSEMBLE, REMOVE & DISPOSE OF EXIST. STEEL STAIRS & RAILINGS ASSEMBLIES IN EXIST. FAN ROOM AS INDICATED. PATCH, REPAIR & MAKE GOOD ALL AFFECTED SURFACES TO MATCH EXIST. CONDITION.
- 232. REMOVE & DISPOSE OF EXIST. INTERIOR WALL. PATCH, REPAIR & MAKE GOOD TO MATCH EXIST. CONDITION.
- 233. REMOVE & DISCARD EXIST. INTERIOR WALL TO RECEIVE NEW DOOR & FRAME AS INDICATED. PREPARE TO RECEIVE NEW DOOR & FRAME. REFER TO DOOR SCHEDULE FOR OPENING DIMENSIONS.
- 234. CAREFULLY REMOVE EXIST. VESTIBULE DOOR & FRAME SCREEN ASSEMBLY. PREPARE TO RECEIVE NEW EXT. WALL.
- 235. BREAK UP SLAB ON GRADE (TYP). MAX. SIZE 150MM X 150MM

FLOOR PLAN DEMO. LEGEND

-  EXISTING TO BE DEMOLISHED
-  EXISTING WALLS / PARTITIONS TO REMAIN
-  OUTLINE OF EXIST. FLOORING TO BE DEMOLISHED TO GAIN ACCESS FOR NEW FOUNDATION. SEE STRUCTURAL.




GENERAL NOTES

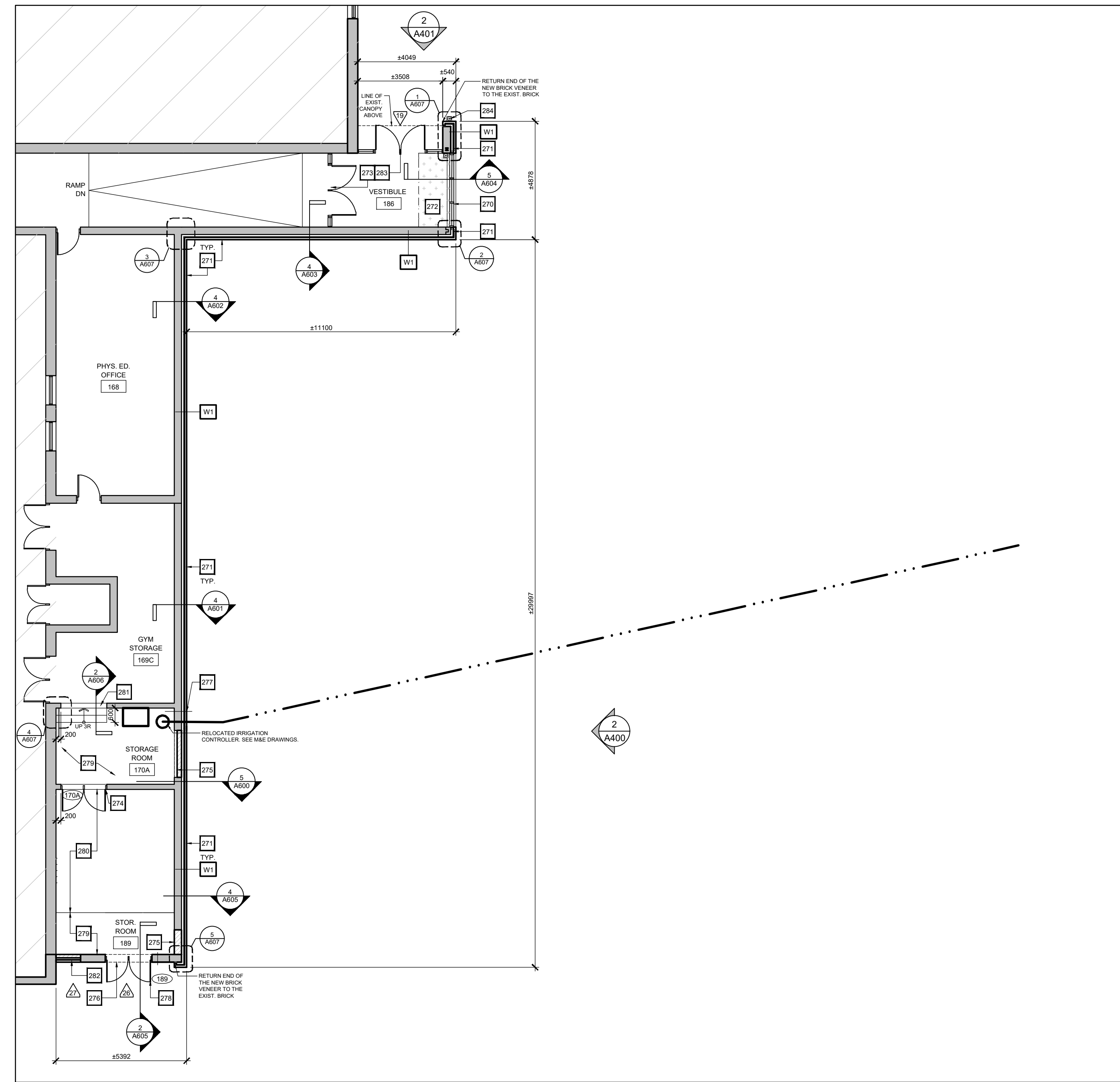
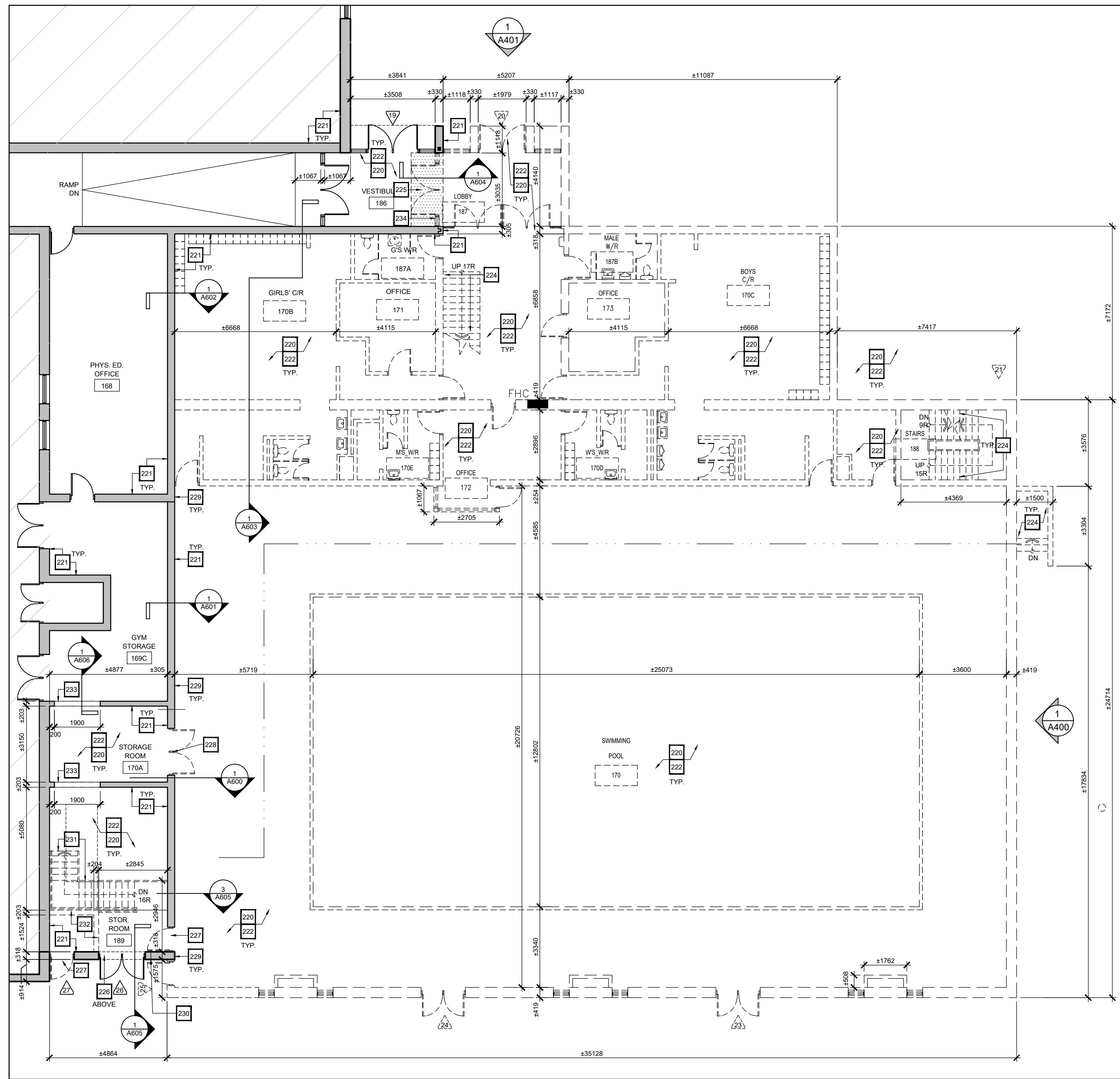
- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW PDSB PROCEDURES.
- REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK ON ALL M&E FITMENTS (TYP.)
- GC TO REMOVE GYP. BD. CEILING TO ALLOW FOR M&E RENOVATION WORK AS REQUIRED. REPAIR CEILING AT COMPLETION OF WORK TO MATCH EXISTING.
- CONFIRM CEILING LAYOUT & HEIGHT ON SITE. ENSURE EXISTING FIRE RATED CEILING IS MAINTAINED WHERE EXISTING.
- WHERE SPRAY APPLIED FIREPROOFING IS ENCOUNTERED, GC TO ENSURE THAT ANY DISTURBED AREAS ARE RESTORED PRIOR TO CLOSING CEILINGS. PROVIDE INSPECTION REPORT.
- WHERE EXIST. ELEC. FITMENT HAS BEEN REMOVED, ALL PENETRATIONS THROUGH EXIST. WALLS & CEILINGS ARE TO BE FILLED, PATCHED & FINISHED TO MATCH EXIST. FIRE RATING WHERE APPLICABLE.
- PROPOSED CEILING HEIGHTS TO MATCH EXISTING UNLESS OTHERWISE NOTED. (TYP.)
- SECURE & REINSTATE ALL M&E FITMENTS AS INDICATED. GC TO PERFORM TESTING AS REQUIRED TO CONFIRM OPERATION. REFER TO M&E DRAWINGS.
- INSTALL TRANSITION STRIPS AT LOCATIONS WHERE THERE IS A CHANGE IN FLOORING. (TYP.)
- ALL WORK SEQUENCES TO BE PERFORMED IN CONJUNCTION WITH EACH DISCIPLINE'S SCOPE OF WORK BY ALL CONSULTANTS.
- ALL FITMENTS INDICATED TO BE REMOVED / DEMOLISHED ARE TO BE REMOVED & DISCARDED FROM MINIMUM OF 600mm BELOW FINISHED GRADE. SITE VERIFY. (TYP.)

PROPOSED 1ST FLOOR PLAN KEY NOTES

- 270. PROPOSED NEW WINDOW. SEE WINDOW TYPE ON A400.
- 271. PROPOSED NEW EXTERIOR WALL ABOVE NEW CONCRETE LEDGE / FOUNDATION. REFER TO WALL TYPES, SECTIONS AND DETAILS. SEE STRUCTURAL DWGS. & SPECS.
- 272. OUTLINE OF REINSTATED FLOORING. FLOOR FINISH AND BASE TO MATCH EXISTING. REFER TO ROOM FINISH SCHEDULE.
- 273. EXISTING DOORS, FRAMES AND SCREENS TO REMAIN. PROTECT DURING CONSTRUCTION. COORDINATE FOR NEW KEYING. MODIFY FOR NEW PDU.
- 274. PROPOSED NEW DOORS & FRAMES. REFER TO DOOR SCHEDULE. SUPPLY AND INSTALL NEW LINTEL FOR EXISTING MASONRY WALL. SEE STRUCTURAL.
- 275. INFILL EXISTING OPENING IN MATCHING CONC. TOOTH-IN NEW CONCRETE BLOCK. TO PROVIDE CONTINUOUS & SMOOTH SUBSTRATE SURFACES AT BOTH SIDES. REFER TO WALL TYPES. PAINT FINISH ON THE INTERIOR SIDE.
- 276. REINFORCE ABOVE EXISTING DOORS & FRAMES AND INSTALL PROPOSED EXTERIOR CLADDING AS INDICATED. REFER TO WALL TYPES AND STRUCTURAL DWG. & SPEC.
- 277. PROPOSED NFHB - REFER TO MECH.
- 278. REPLACE EXISTING HM DOORS. VERIFY SOUNDNESS OF EXISTING FRAMES TO RECEIVE NEW DOORS.
- 279. EXISTING SLAB ON GRADE - PATCH FLOOR WHERE EXISTING WALLS ARE REMOVED.
- 280. PROPOSED SLAB ON GRADE - SEE STRUCT.
- 281. PROPOSED NEW OPENING. PROVIDE LINTEL. SEE STRUCTURAL DWGS.
- 282. INFILL EXIST. OPENING WITH NEW EXTERIOR WALL ASSEMBLY, MASONRY TO MATCH EXISTING SIZE AND SHAPE. PROVIDE MASONRY SAMPLE FOR CONSULTANT'S REVIEW ON COLOUR SELECTION. TOOTH-IN NEW MASONRY TO MATCH EXISTING PATTERN.
- 283. EXISTING DOORS TO REMAIN. PREP. DOORS, FRAMES, SIDELITES FOR NEW PANT.
- 284. PROPOSED POWER DOOR OPERATOR. REFER TO ELECTRICAL DWG. & SPEC.

PROPOSED FLOOR PLAN LEGEND

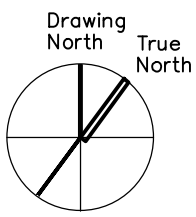
-  EXISTING WALLS / PARTITIONS TO REMAIN
-  PROPOSED NEW WALL
-  OUTLINE OF REINSTATED FLOORING



1 PART. DEMOLITION 1ST FLOOR PLAN
A202 SCALE: 1:125

2 PART. PROPOSED 1ST FLOOR PLAN
A202 SCALE: 1:125

Notes
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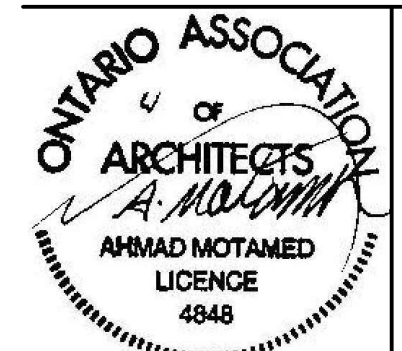


NO.	DESCRIPTION	DATE
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4	ISSUED FOR PRE-TENDER REVIEW	MARCH 28, 2024
3	ISSUED FOR SPA	JANUARY 05, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

peel District School Board
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Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

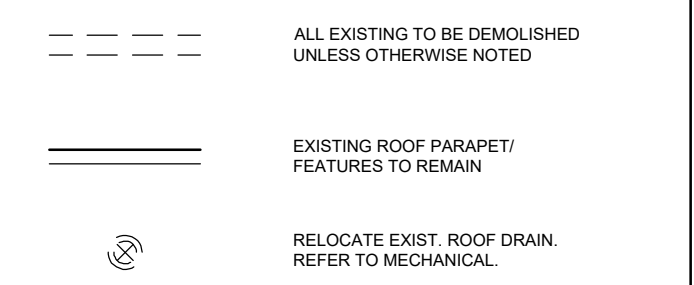
Drawing Title
FIRST FLOOR PARTIAL PLANS

Graphic Scale AS SHOWN		Sheet no.
Drawn AK / VSP	Checked AM	A202
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.

DEMOLITION POOL BALCONY LEVEL & PART. ROOF PLAN KEY NOTES

- 240. REFER TO ABATEMENT SCOPE OF WORK. PERFORM ABATEMENT WORK PRIOR TO OTHER DEMOLITION SCOPE.
- 241. REMOVE ALL DECOMMISSIONED FITMENTS IN THE BALCONY, POOL, LOBBY, STAIRS AND ROOF AREAS AS INDICATED. REFER TO STRUCTURAL & M&E DRAWINGS FOR COMPLETE SCOPE OF REMOVALS / RELOCATIONS.
- 242. ALL DEMOLISHED STRUCTURES & FITMENTS TO BE REMOVED & DISCARDED MIN. 800mm BELOW EXISTING FINISHED ELEVATION GRADE.
- 243. REMOVE AND DISCARD EXIST. STAIRS INCLD. ALL ASSOCIATED RAILINGS, ANCHORS, FOOTINGS AND FOUNDATIONS.
- 244. CAREFULLY REMOVE UPPER PORTION OF EXIST. MASONRY WALL AND/OR ROOFING TO PROVIDE SUITABLE SUBSTRATES FOR NEW ROOFING / PARAPET WALL. PREPARE TO RECEIVE NEW PARAPET / ROOF FEATURES / CLADDINGS FINISH AS INDICATED. GC TO ENSURE EXISTING SUBSTRATES / WALLS ARE SUFFICIENTLY PREPARED TO PROVIDE SMOOTH & CLEAN SURFACE TO RECEIVE NEW EXTERIOR CLADDING SYSTEM AS PROPOSED BY REMOVING ALL WALL HUNG / SECURED FITMENTS INCLD. ACUSTIC PANELS, SCOREBOARD, FIRE ALARM, BANNERS, ETC. REFER TO STRUCTURAL AND M&E DWGS. & SPECS.
- 245. REMOVE / RELOCATE / REROUTE EXISTING ROOF DRAIN ASSEMBLY. INFILL EXISTING OPENINGS TO MATCH EXISTING ROOFING ASSEMBLY. REFER TO MECHANICAL DWG. & SPEC.
- 246. PROTECT EXISTING ROOF DRAIN TO REMAIN.
- 247. CAREFULLY REMOVE EXISTING ROOFING & FLASHING. PREPARE TO RECEIVE NEW PARAPET & ROOFING AS INDICATED.
- 248. CAREFULLY REMOVE & REPLACE EXIST. ROOFING / FLASHING ABOVE ENTRANCE WITH NEW ROOFING / FLASHING TO MATCH EXIST. UPON COMPLETION OF ADJACENT NEW PARAPET WALL & ROOFING INSTALLATION. MAKE GOOD ALL AFFECTED AREA TO MATCH EXISTING. REFER TO SPEC.

BALCONY PLAN DEMO. LEGEND



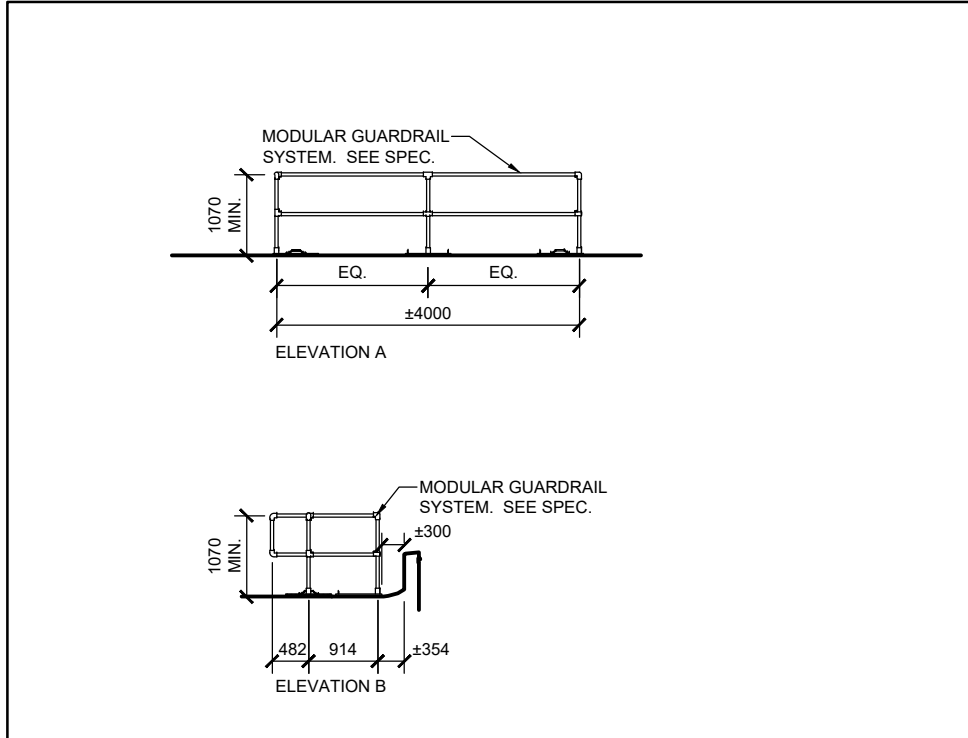
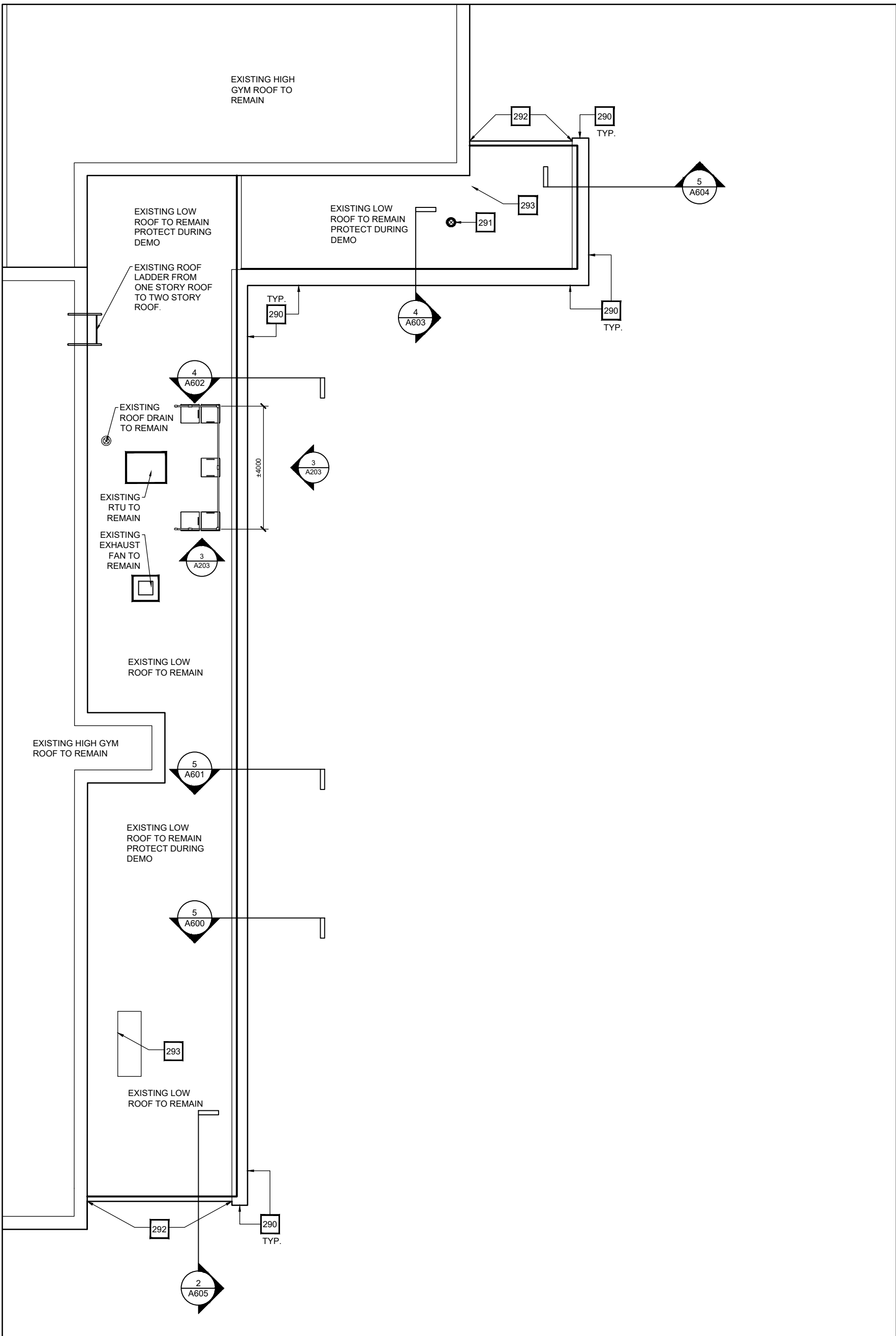
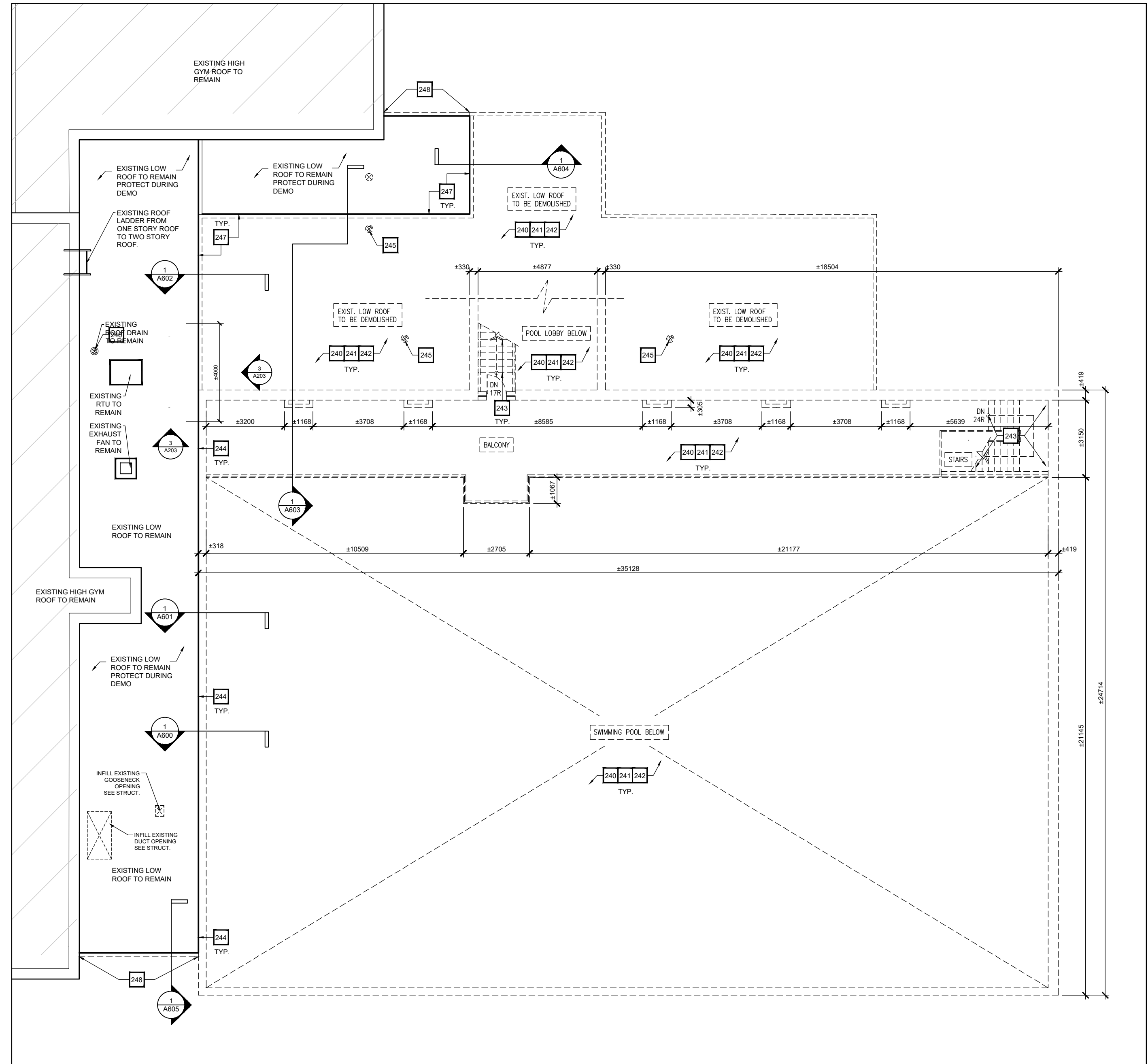
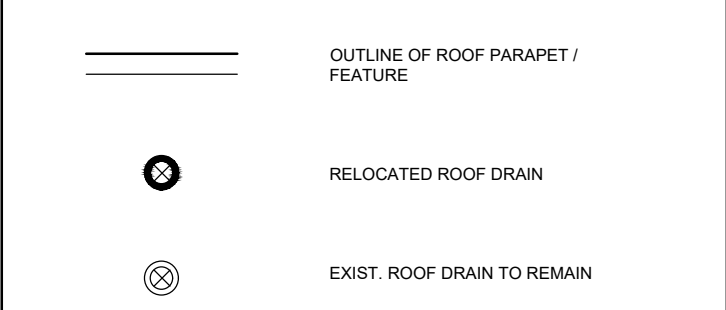
GENERAL NOTES

- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW P058 PROCEDURES.
- REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK ON ALL M&E FITMENTS (TYP.)
- GC TO REMOVE GYP. BD. CEILING TO ALLOW FOR M&E RENOVATION WORK AS REQUIRED. REPAIR CEILING AT COMPLETION OF WORK TO MATCH EXISTING.
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- ALL FITMENTS INDICATED TO BE REMOVED / DEMOLISHED ARE TO BE REMOVED & DISCARDED FROM MINIMUM DEPTH OF 300mm BELOW FINISHED GRADE. GC TO SITE VERIFY. (TYP.)

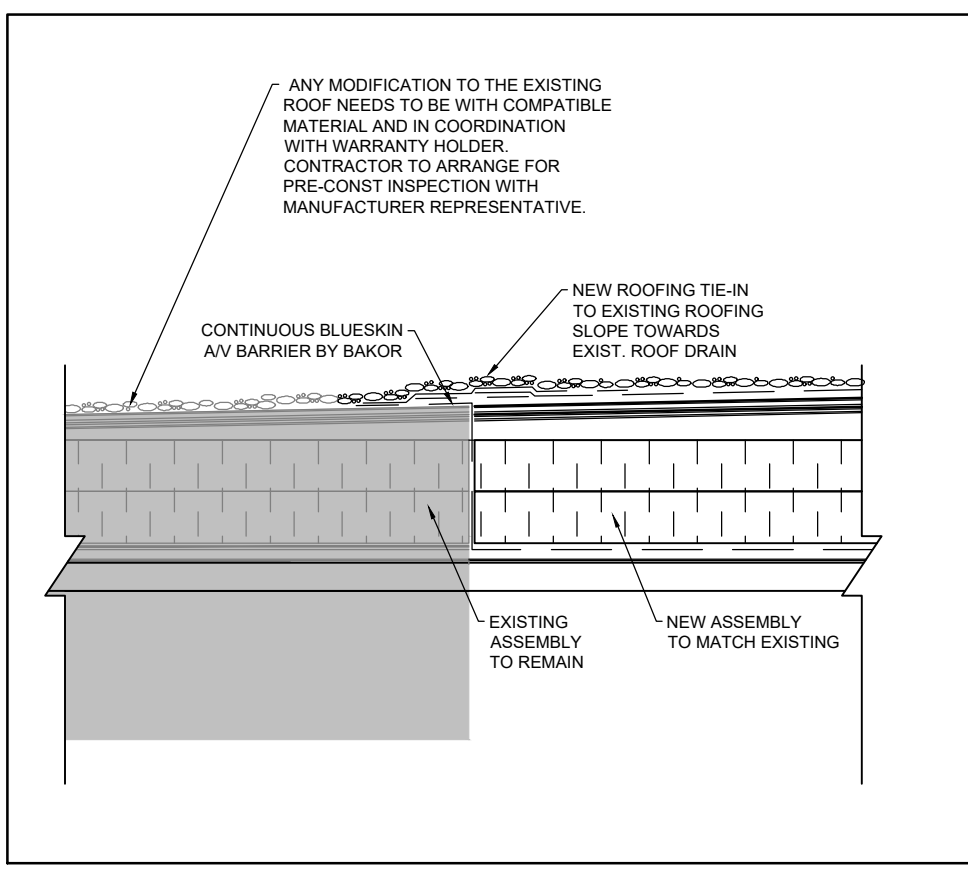
PROPOSED ROOF PLAN KEY NOTES

- 290. PROPOSED NEW OUTLINE OF ROOF PARAPET.
- 291. RELOCATED ROOF DRAIN SYSTEM. REFER TO MECHANICAL DRAWINGS & SPEC.
- 292. NEW ROOFING & FLASHING TO MATCH EXISTING ABOVE EXISTING ENTRANCE.
- 293. PATCH AND REPAIR ALL ABANDONED OPENINGS IN ROOF (TYP.)

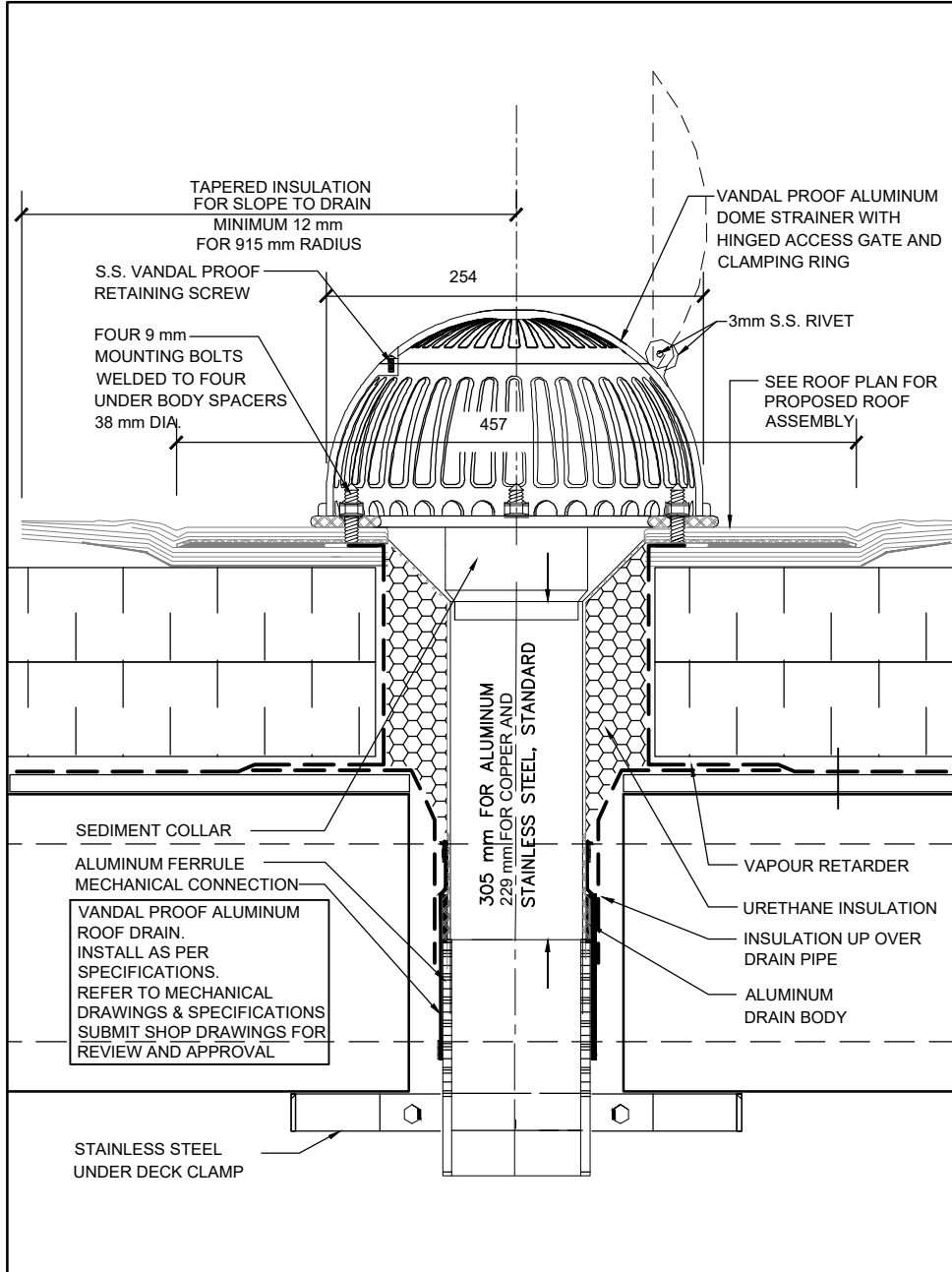
PART. PROP. ROOF PLAN LEGEND



4 MODULAR GUARDRAIL ELEVATIONS
A203 SCALE: 1:100



5 DETAIL - ROOFING TIE-IN
A203 SCALE: 1:10



3 ROOF DRAIN DETAIL
A203 SCALE: N.T.S.

Notes

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Drawing North True North

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1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

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T: 416.226.5779 F: 416.226.9844 E: info@etudearchitect.com

ARMAD MOTAMED LICENCE 4848

Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

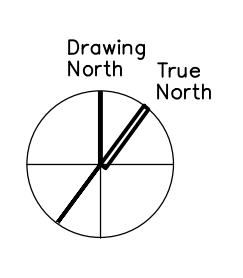
Drawing Title
DEMOLITION POOL BALCONY LEVEL & PART. ROOF PLANS

Graphic Scale AS SHOWN	Sheet no.
Drawn AK / VSP	Checked AM
CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.

A203

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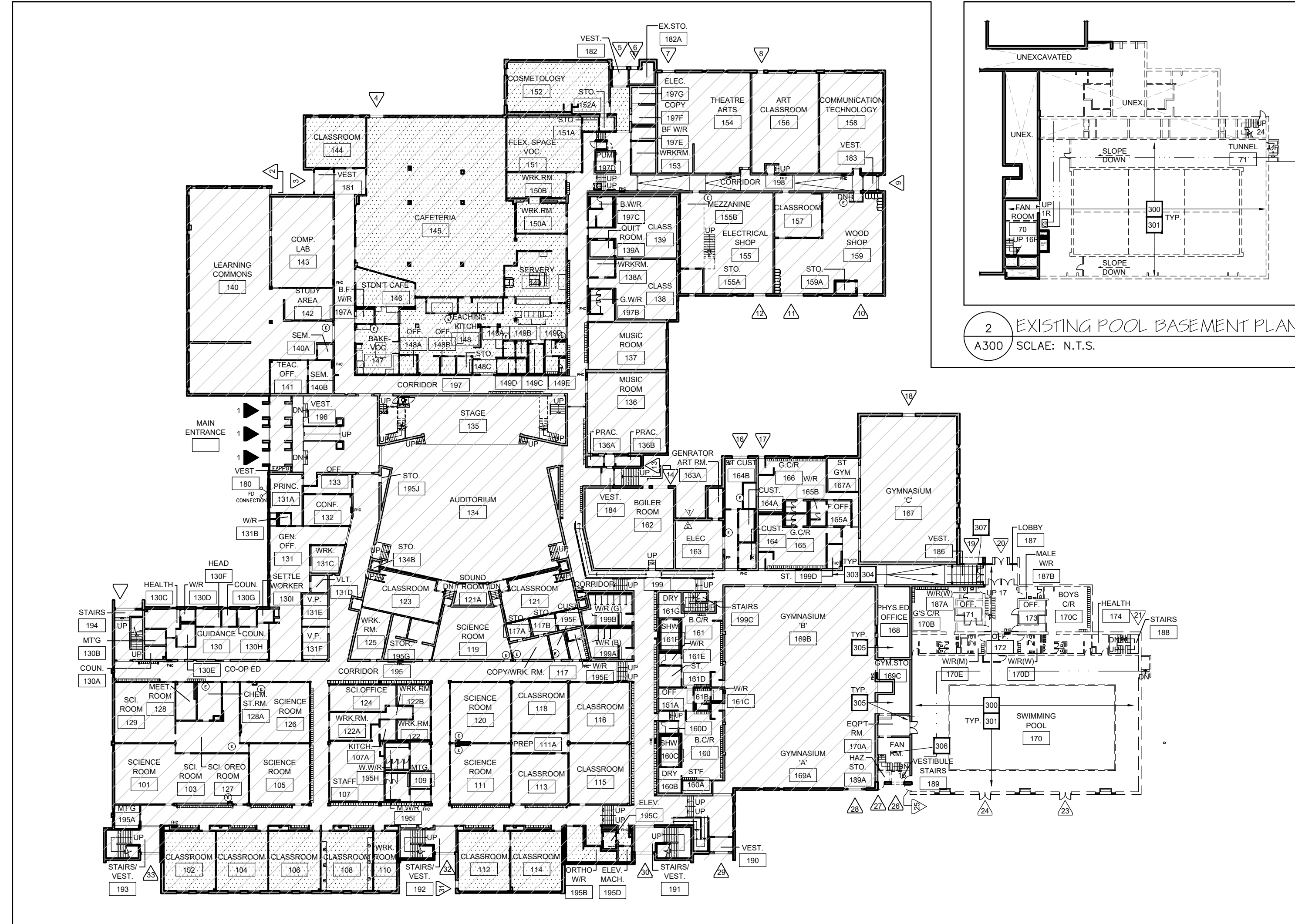


REFLECTED CEILING PLAN KEY NOTES

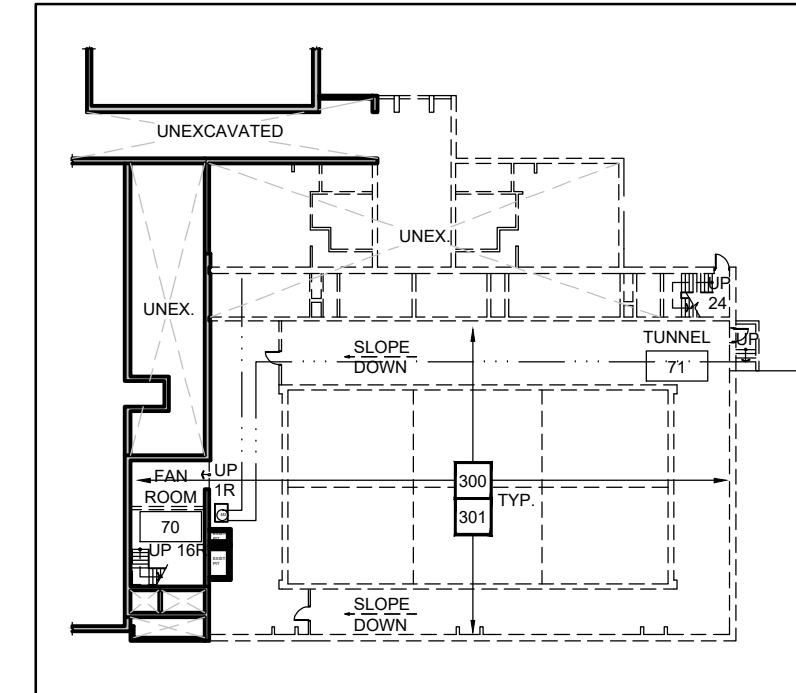
- REFER TO ABATEMENT SCOPE OF WORK. PERFORM ABATEMENT WORK PRIOR TO OTHER DEMOLITION SCOPE.
- REMOVE ALL DECOMMISSIONED FITMENTS IN THE BALCONY, POOL, LOBBY AND STAIRS AREAS AS INDICATED. REFER TO STRUCTURAL & M&E DRAWINGS.
- PROPOSED OUTLINE OF NEW ROOF PARAPET / FLASHING.
- OPEN EXISTING CEILING TO TRUNCATE AND TERMINATE MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM, SPRINKLER AND ALL OTHER SERVICES FEEDING THE POOL.
- PROVIDE CEILING ACCESS FOR REDIRECTION OF IRRIGATION LINE AND MECHANICAL WORK.
- PROVIDE CEILING ACCESS FOR REDIRECTION OF IRRIGATION LINE AND MECHANICAL WORK- RESTORE EXISTING FIRE RATED CEILING.
- REMOVE DUCT PENETRATING ROOF. PATCH AND REPAIR SPOREX ROOF PANEL AND CEILING. REFER TO MECH. AND STRUCT. DRAWINGS.
- PROVIDE CEILING ACCESS FOR RELOCATED ROOF DRAIN WORK AND STRUCTURAL WORK AT NEW EXTERIOR WALL.

GENERAL NOTES

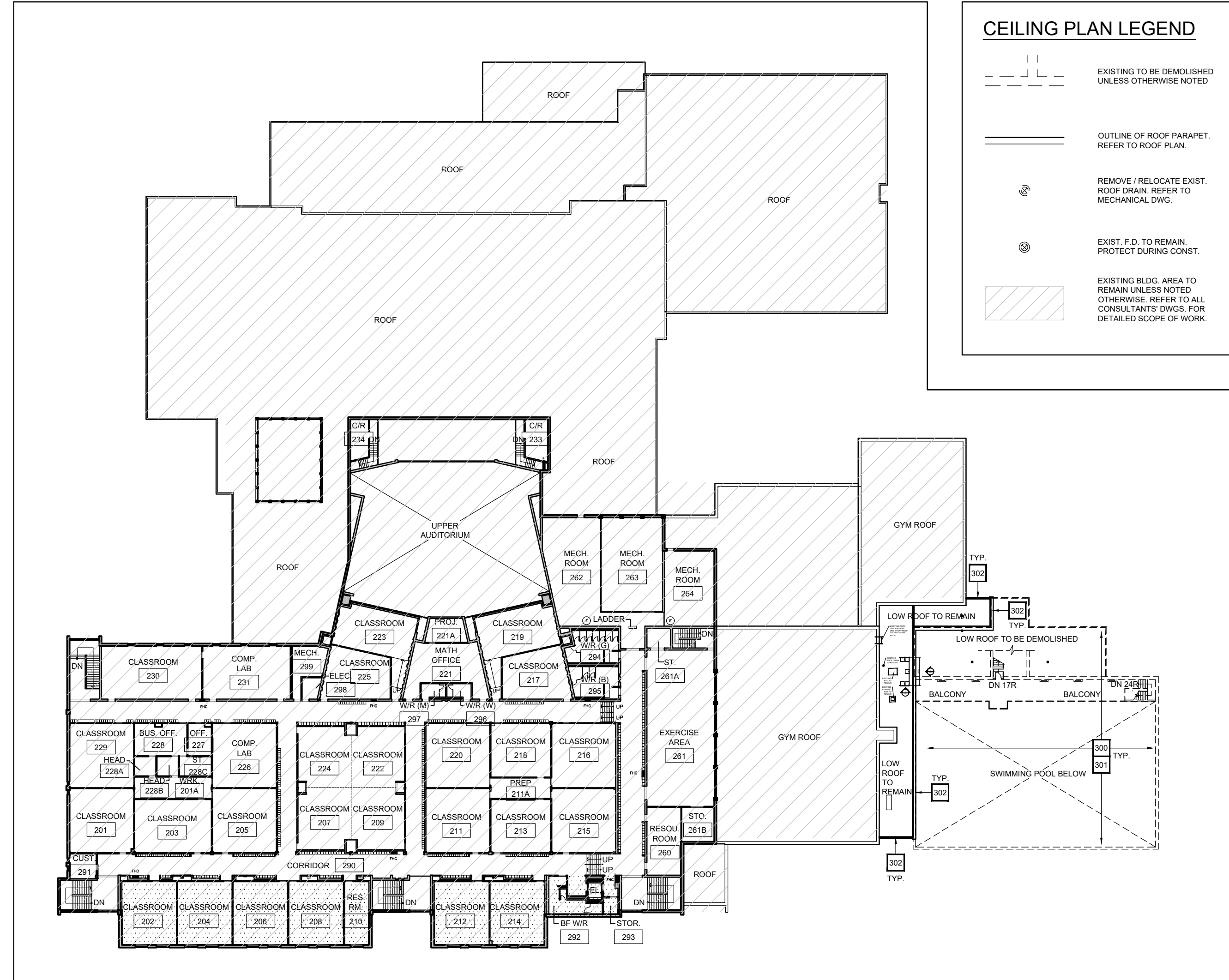
- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW PDSE PROCEDURES.
- REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK ON ALL M&E FITMENTS (TYP.)
- GC TO REMOVE GYP. ID. CEILING TO ALLOW FOR M&E RENOVATION WORK AS REQUIRED. REPAIR CEILING AT COMPLETION OF WORK TO MATCH EXISTING.
- CONFIRM CEILING LAYOUT & HEIGHT ON SITE. ENSURE EXISTING FIRE RATED CEILING IS MAINTAINED WHERE EXISTING.
- WHERE SPRAY APPLIED FIREPROOFING IS ENCOUNTERED, GC TO ENSURE THAT ANY DISTURBED AREAS ARE RESTORED PRIOR TO CLOSING CEILINGS. PROVIDE INSPECTION REPORT.
- WHERE EXIST. ELEC. FITMENT HAS BEEN REMOVED, ALL PENETRATIONS THROUGH EXIST. WALLS & CEILINGS ARE TO BE FILLED, PATCHED & FINISHED TO MATCH EXIST. FIRE RATING WHERE APPLICABLE.
- PROPOSED CEILING HEIGHTS TO MATCH EXISTING UNLESS OTHERWISE NOTED. (TYP.)
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- ALL FITMENTS INDICATED TO BE REMOVED / DEMOLISHED ARE TO BE REMOVED & DISCARDED FROM MINIMUM HEIGHT OF 600mm BELOW FINISHED GRADE. SITE VERIFY. (TYP.)



1 EXISTING FIRST FLOOR REFLECTED CEILING DEMO PLAN
A300 SCLAE: N.T.S.



2 EXISTING POOL BASEMENT PLAN
A300 SCLAE: N.T.S.



3 EXISTING GROUND FLOOR CEILING KEY PLAN
A300 SCLAE: N.T.S.

CEILING PLAN LEGEND

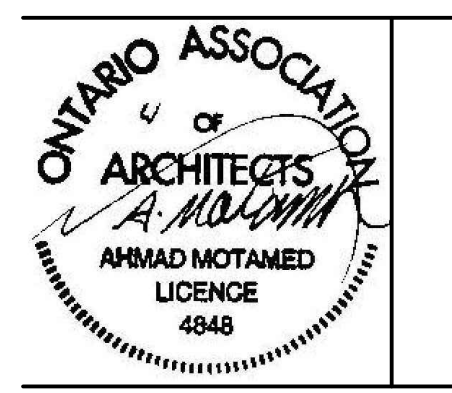
- EXISTING TO BE DEMOLISHED UNLESS OTHERWISE NOTED
- OUTLINE OF ROOF PARAPET. REFER TO ROOF PLAN.
- REMOVE / RELOCATE EXIST. ROOF DRAIN. REFER TO MECHANICAL DWG.
- EXIST. F.D. TO REMAIN. PROTECT DURING CONST.
- EXISTING BLDG. AREA TO REMAIN UNLESS NOTED OTHERWISE. REFER TO ALL CONSULTANTS' DWGS. FOR DETAILED SCOPE OF WORK.

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 28, 2024
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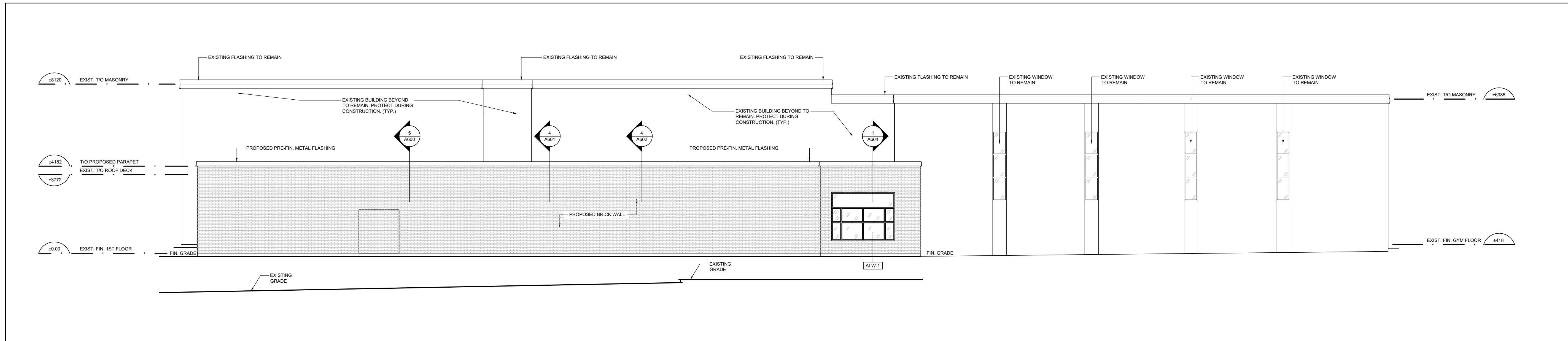
Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

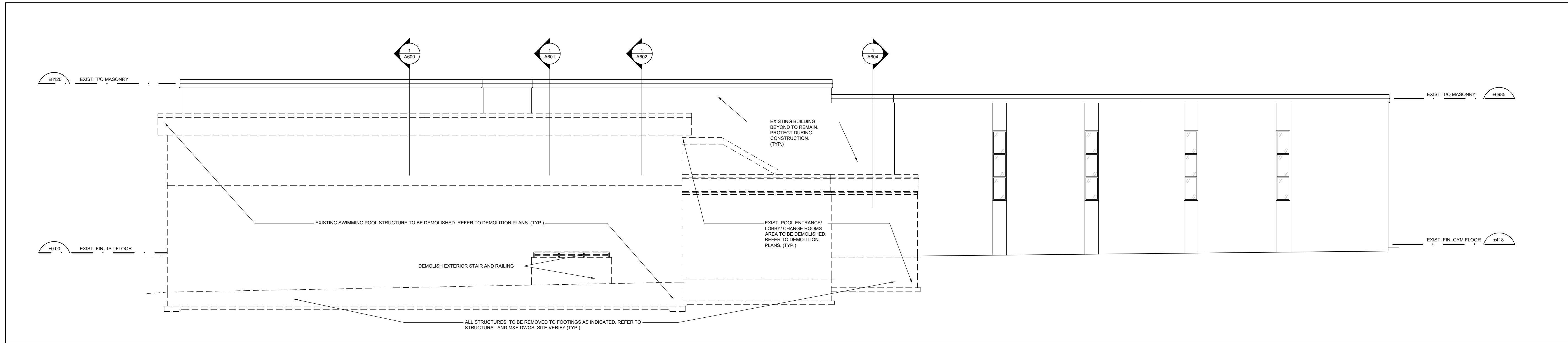
Drawing Title
REFLECTED CEILING PLANS

Graphic Scale AS SHOWN	Sheet no.
Drawn AK / VSP	Checked AM
CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.
	A300

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2 PROPOSED NORTH ELEVATION
A400 SCALE: 1:100



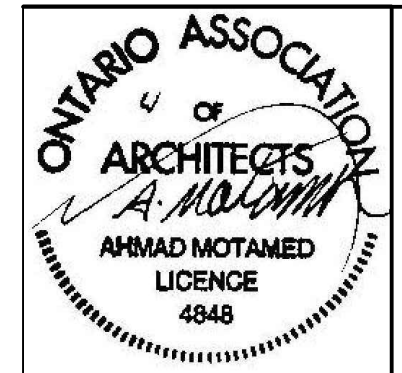
1 DEMOLITION NORTH ELEVATION
A400 SCALE: 1:100

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1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

peel District School Board
5650 Hurontario Street, Mississauga, Ont., L5R 1C6
Tel: (905) 890-1099, Fax: (905) 890-9453

ETUDE ARCHITECTS INC.
30 KERN ROAD, SUITE 106, TORONTO, ONTARIO M3B 1T1
T: 416.226.5779 F: 416.226.9844 E: info@etudearchitect.com



Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

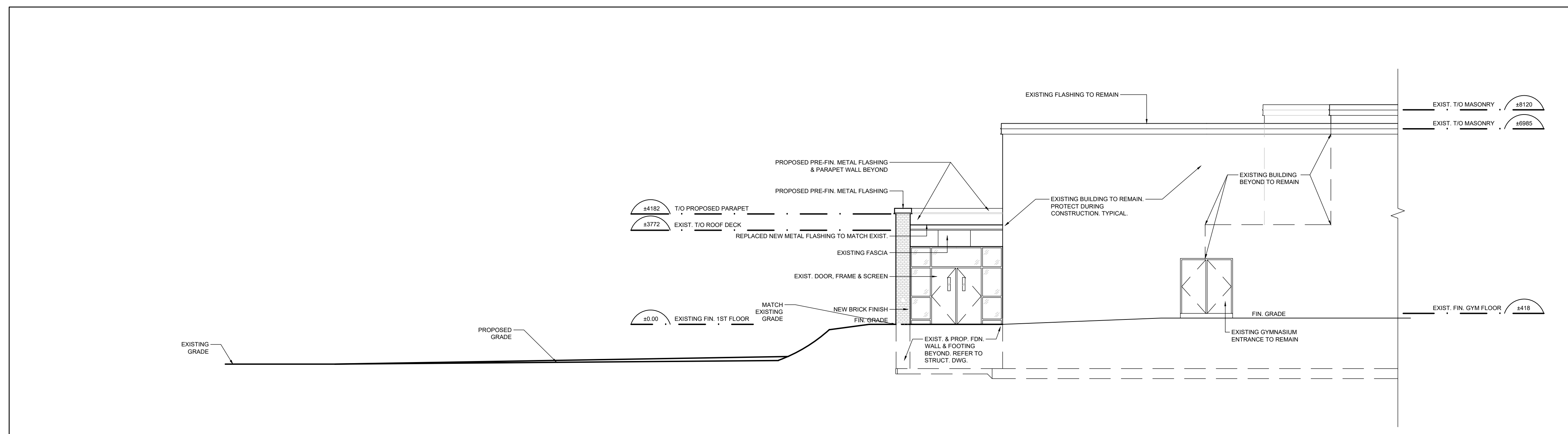
POOL DEMOLITION

Drawing Title
BUILDING ELEVATIONS

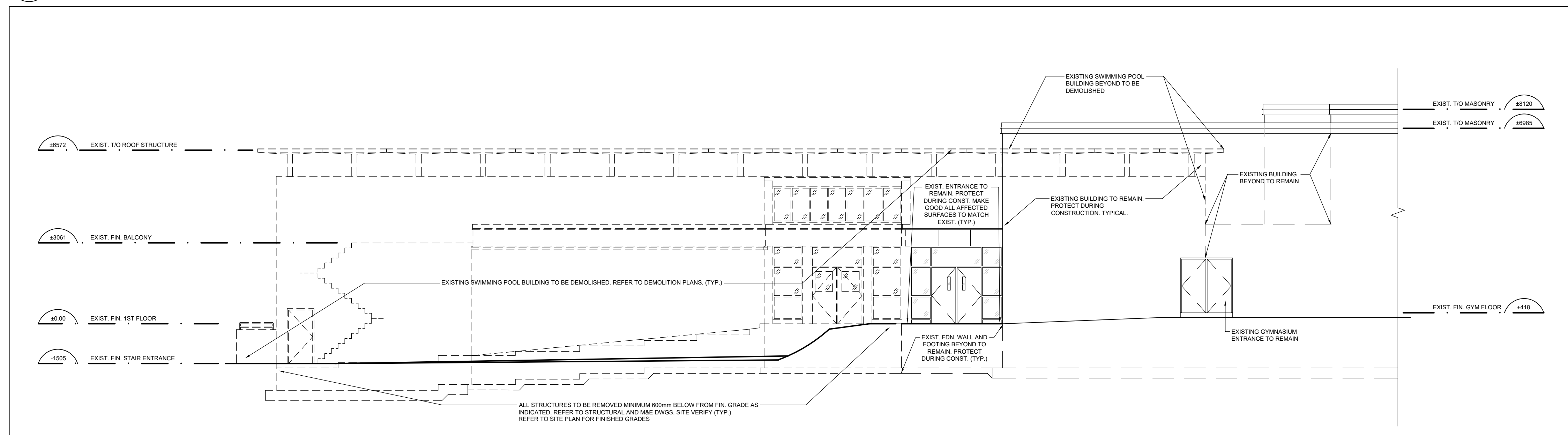
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Drawn AK / VSP	Checked AM	A400
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.

Notes

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2 PROPOSED WEST ELEVATION
A401 SCALE: 1:100



1 DEMOLITION WEST ELEVATION
A401 SCALE: 1:100

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 28, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
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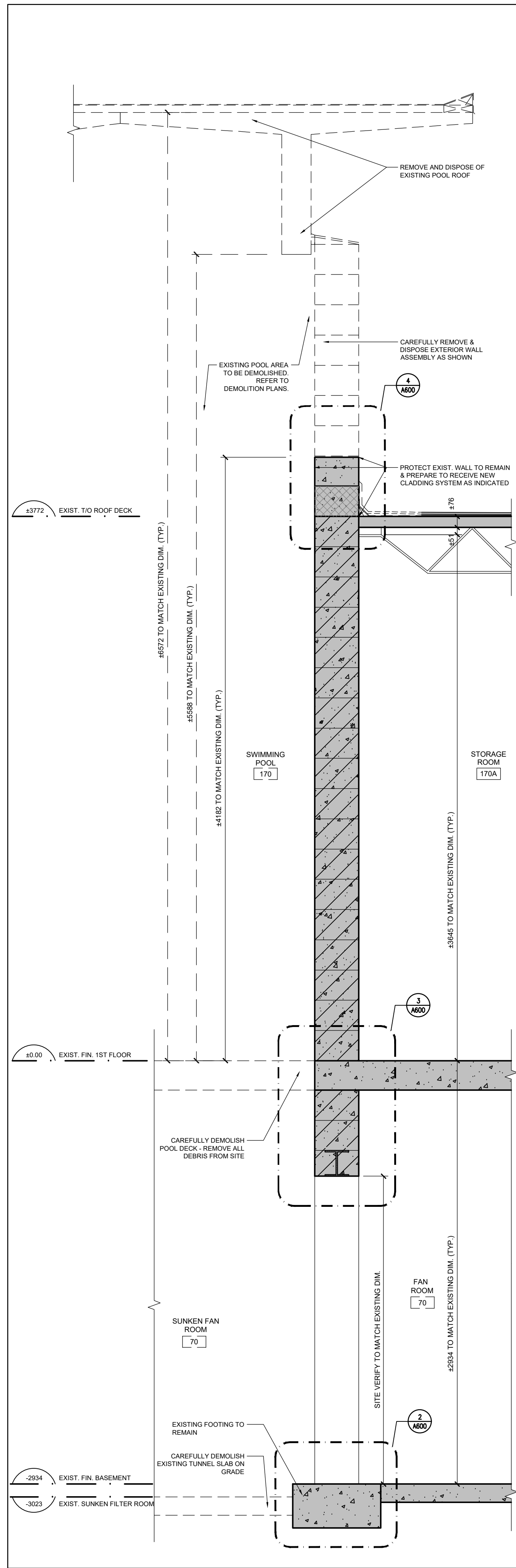
ONTARIO ASSOCIATION OF ARCHITECTS
ARMAD MOTAMED LICENCE 4848

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**GLENFOREST POOL
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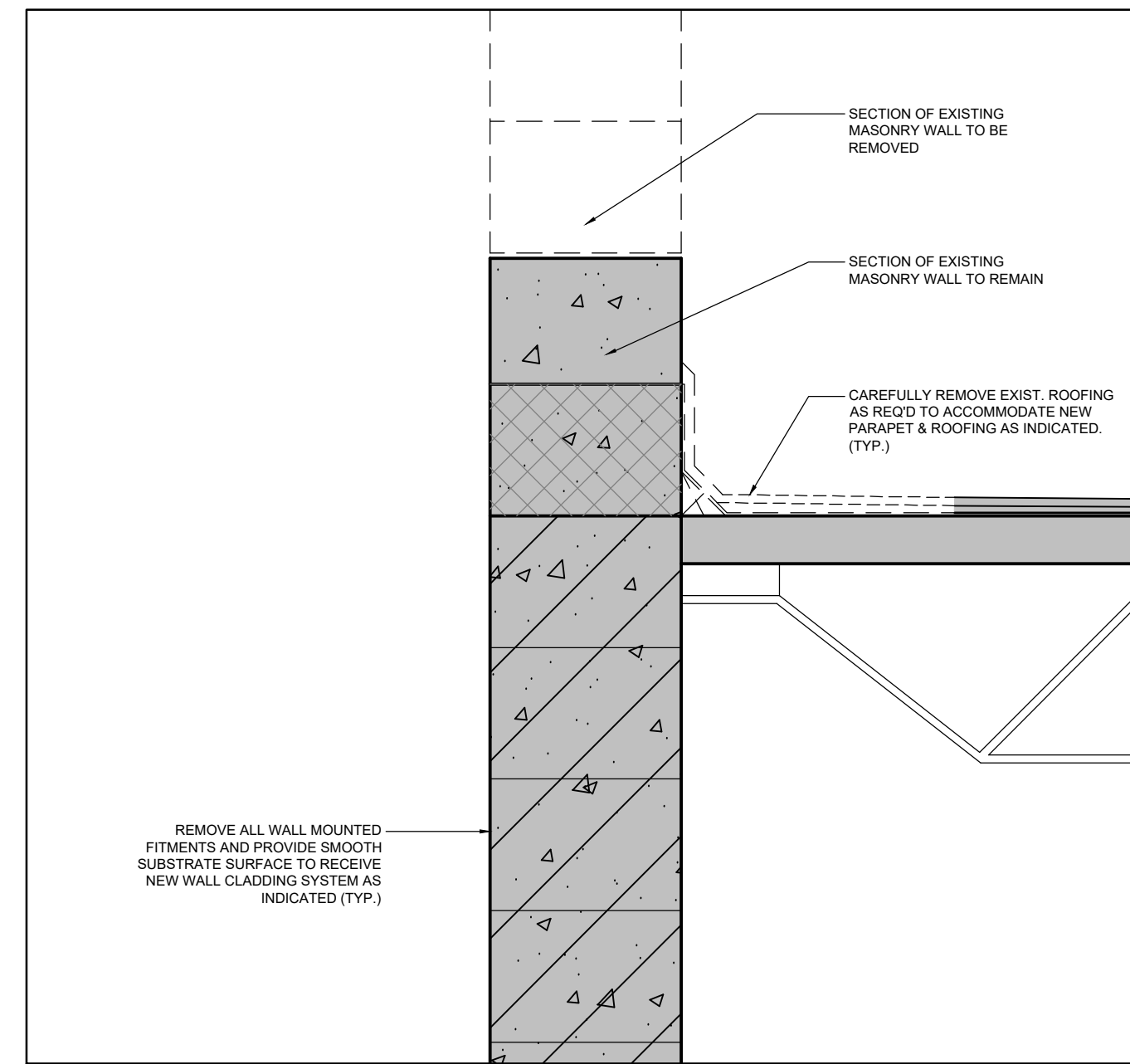
POOL DEMOLITION

Drawing Title
BUILDING ELEVATIONS

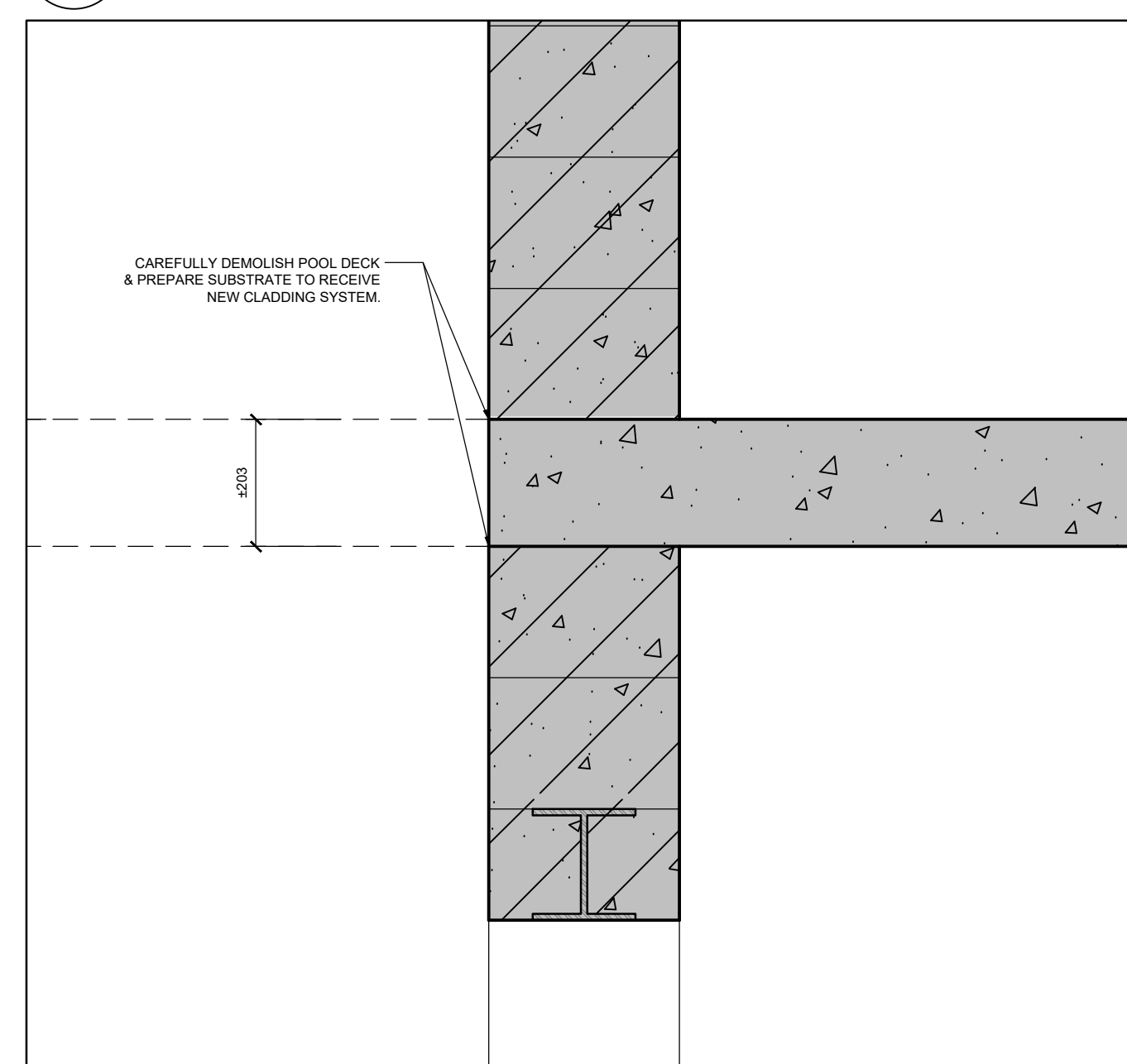
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Drawn AK / VSP	Checked AM	A401
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.



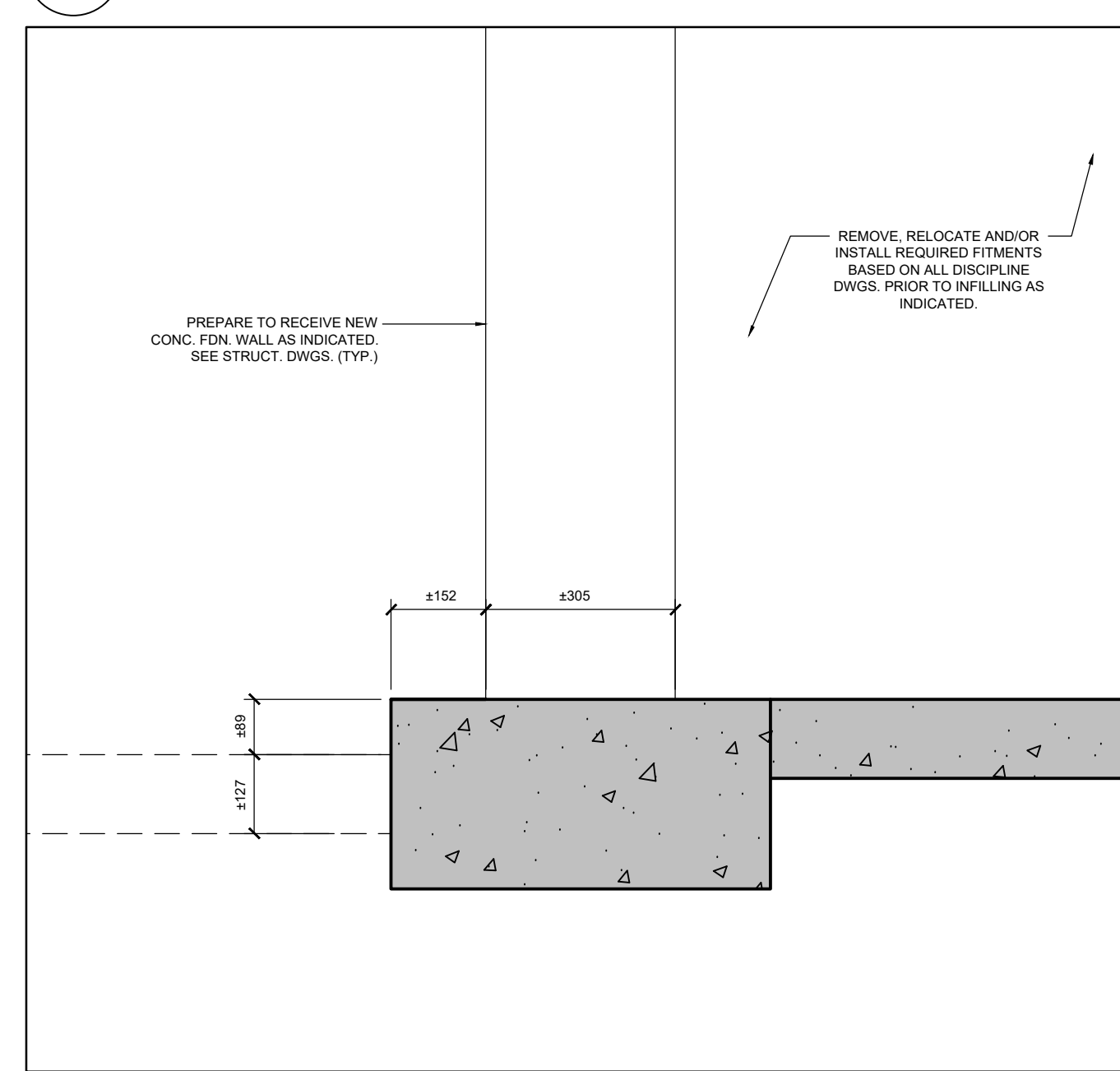
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A600 SCALE: 1:20



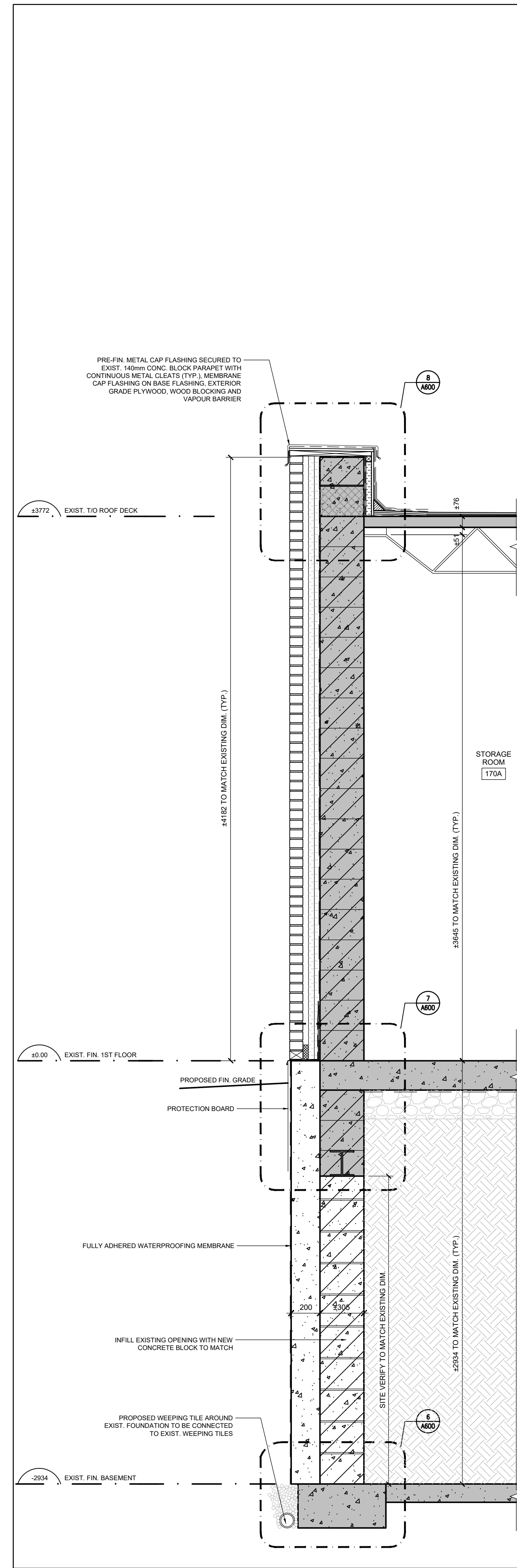
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A600 SCALE: 1:10



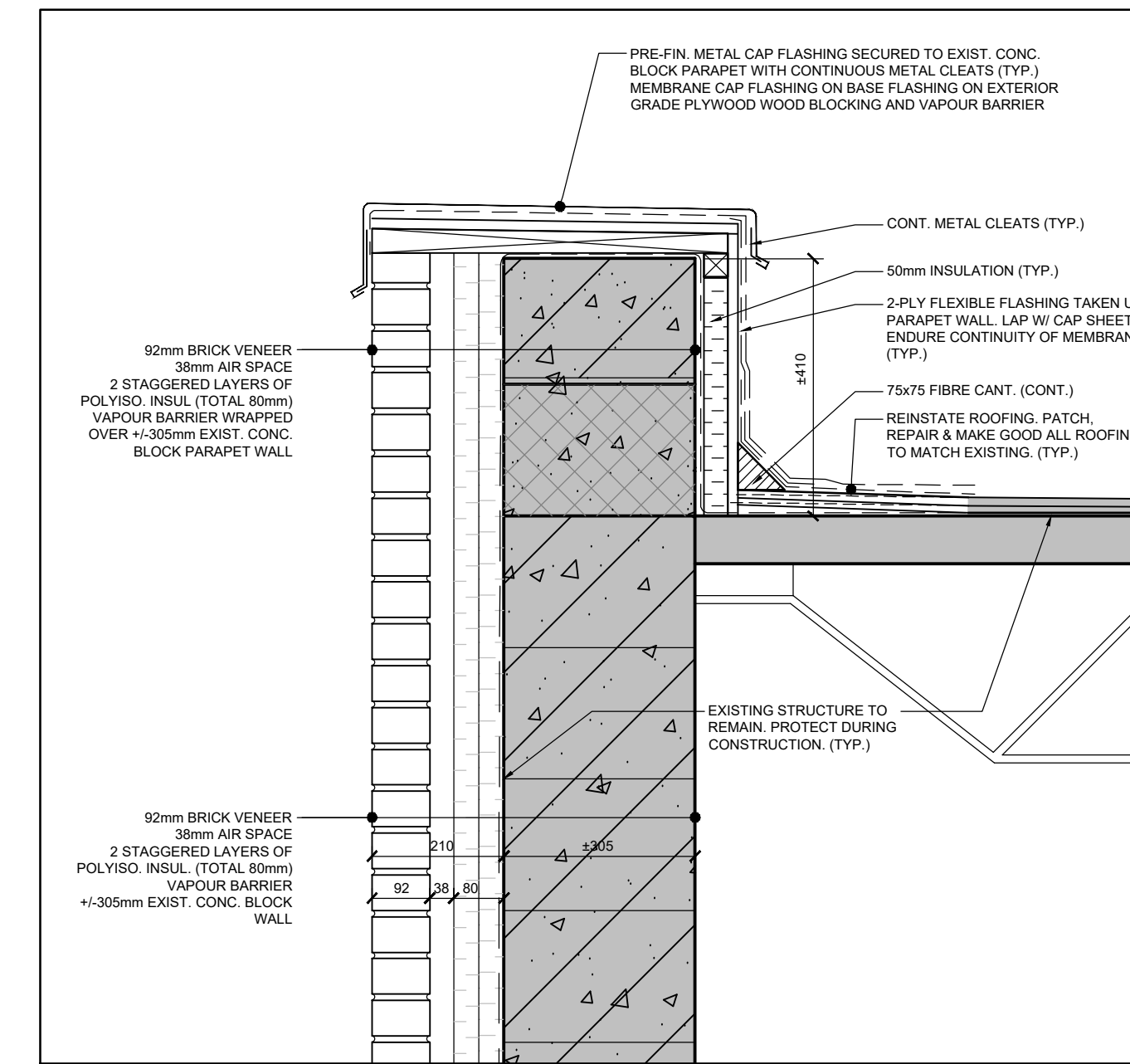
3 DEMOLITION SECTION DETAIL
A600 SCALE: 1:10



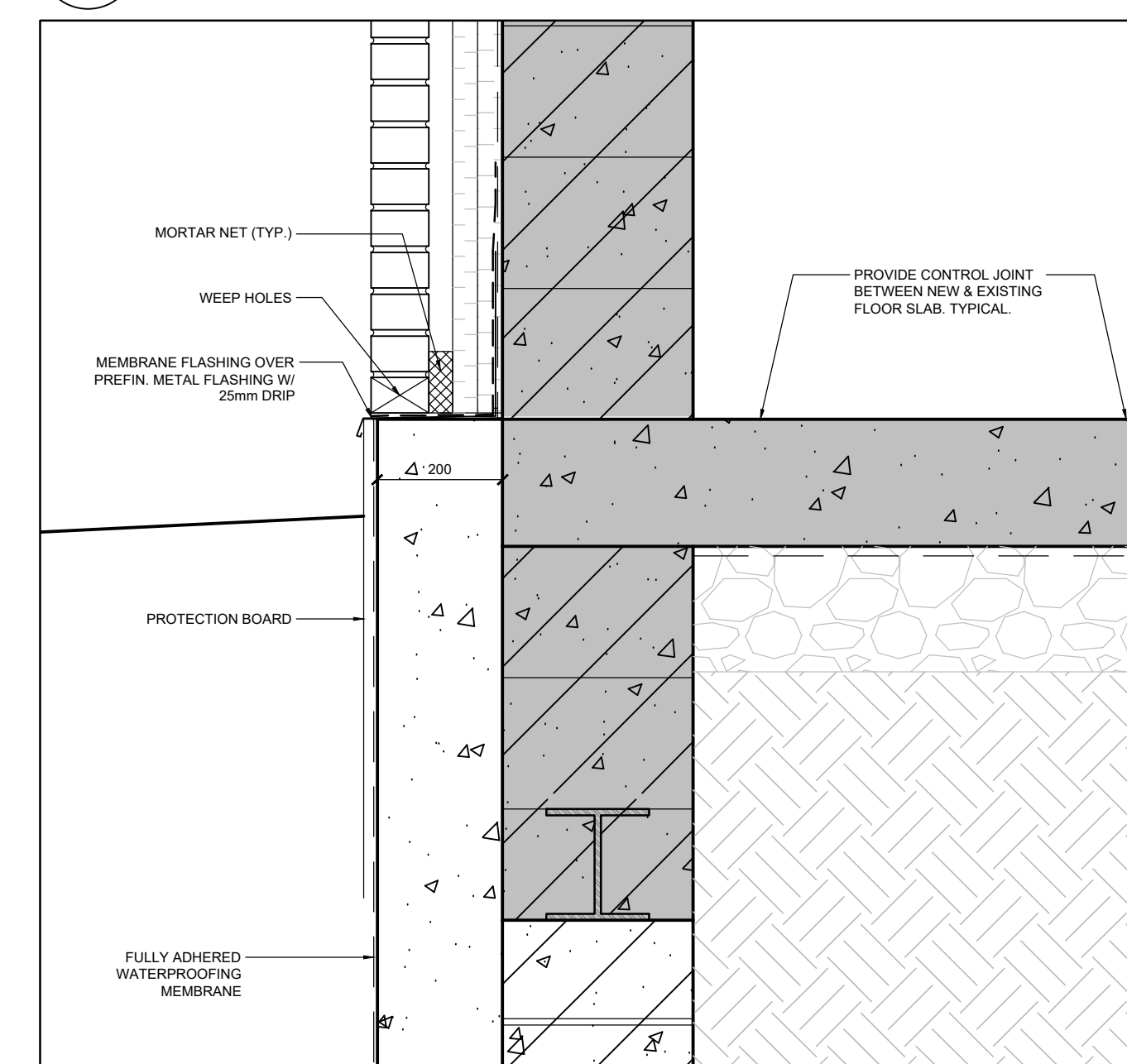
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A600 SCALE: 1:10



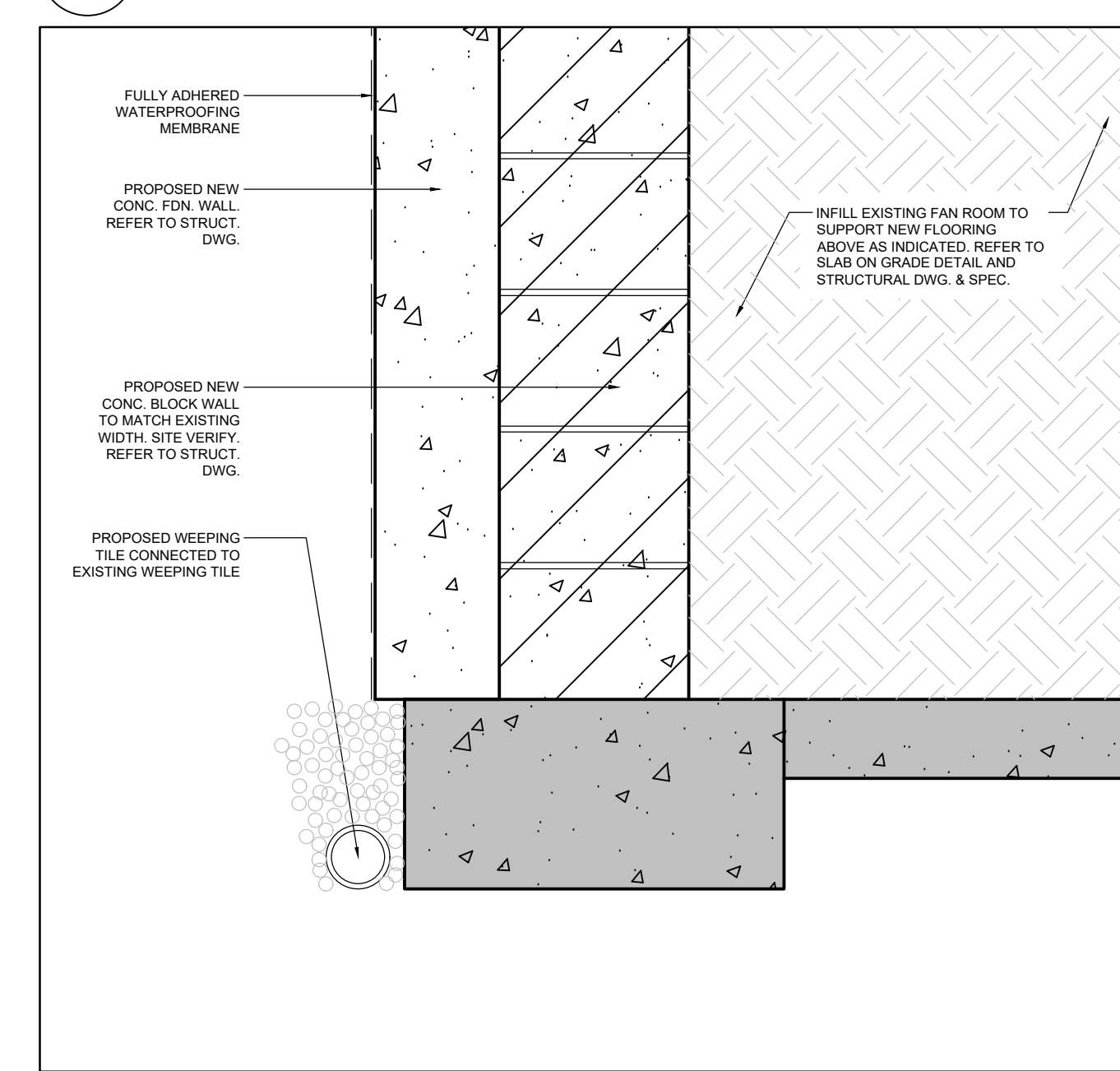
5 PROPOSED WALL SECTION
A600 SCALE: 1:20



8 PROPOSED SECTION DETAIL
A600 SCALE: 1:10



7 PROPOSED SECTION DETAIL
A600 SCALE: 1:10



6 PROPOSED SECTION DETAIL
A600 SCALE: 1:10

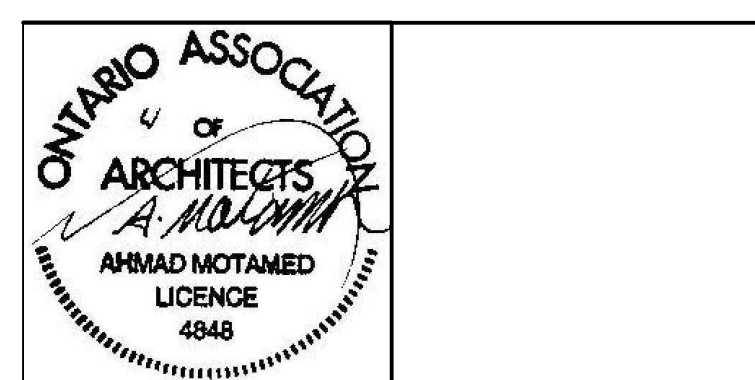
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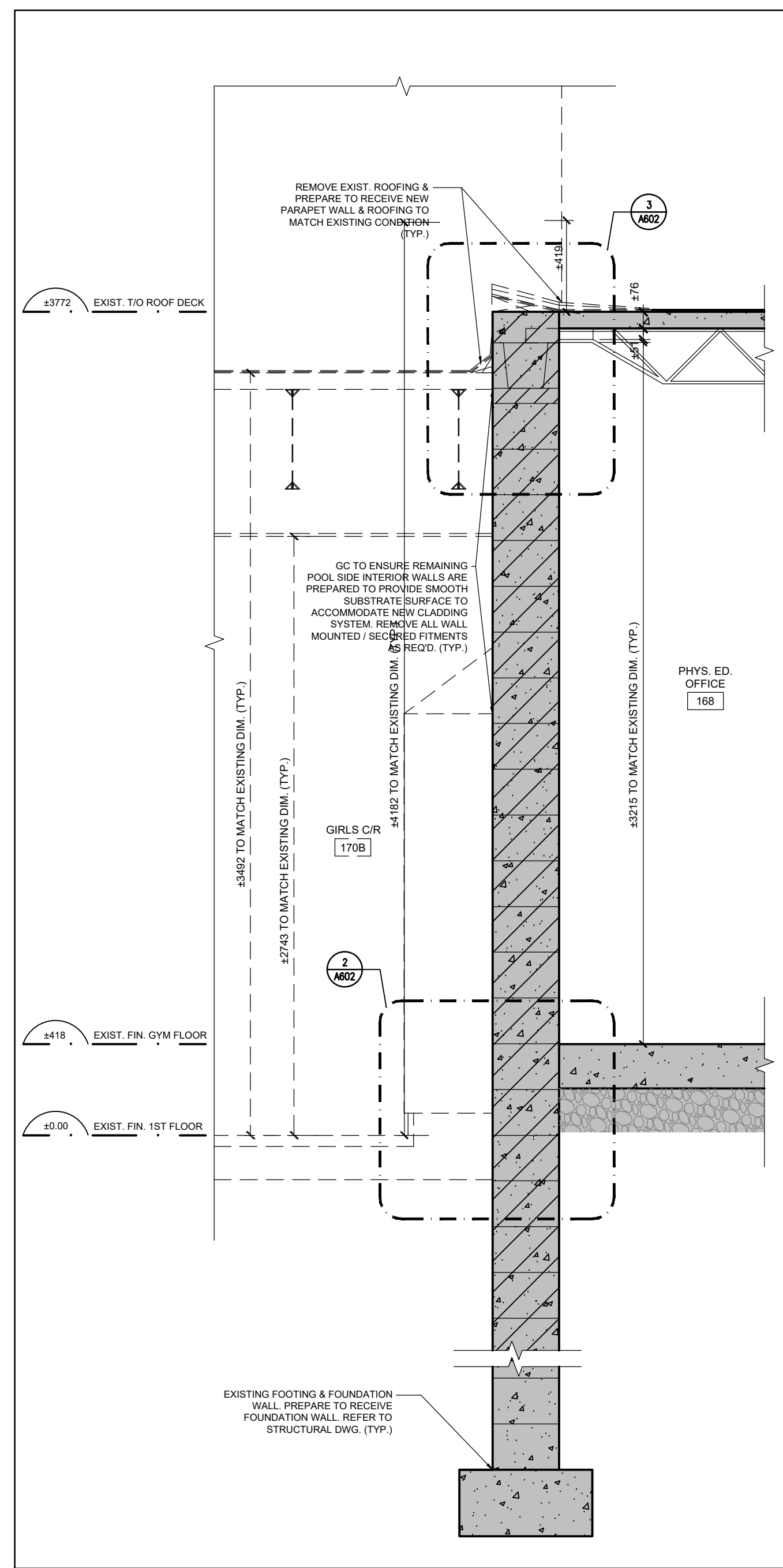


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2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

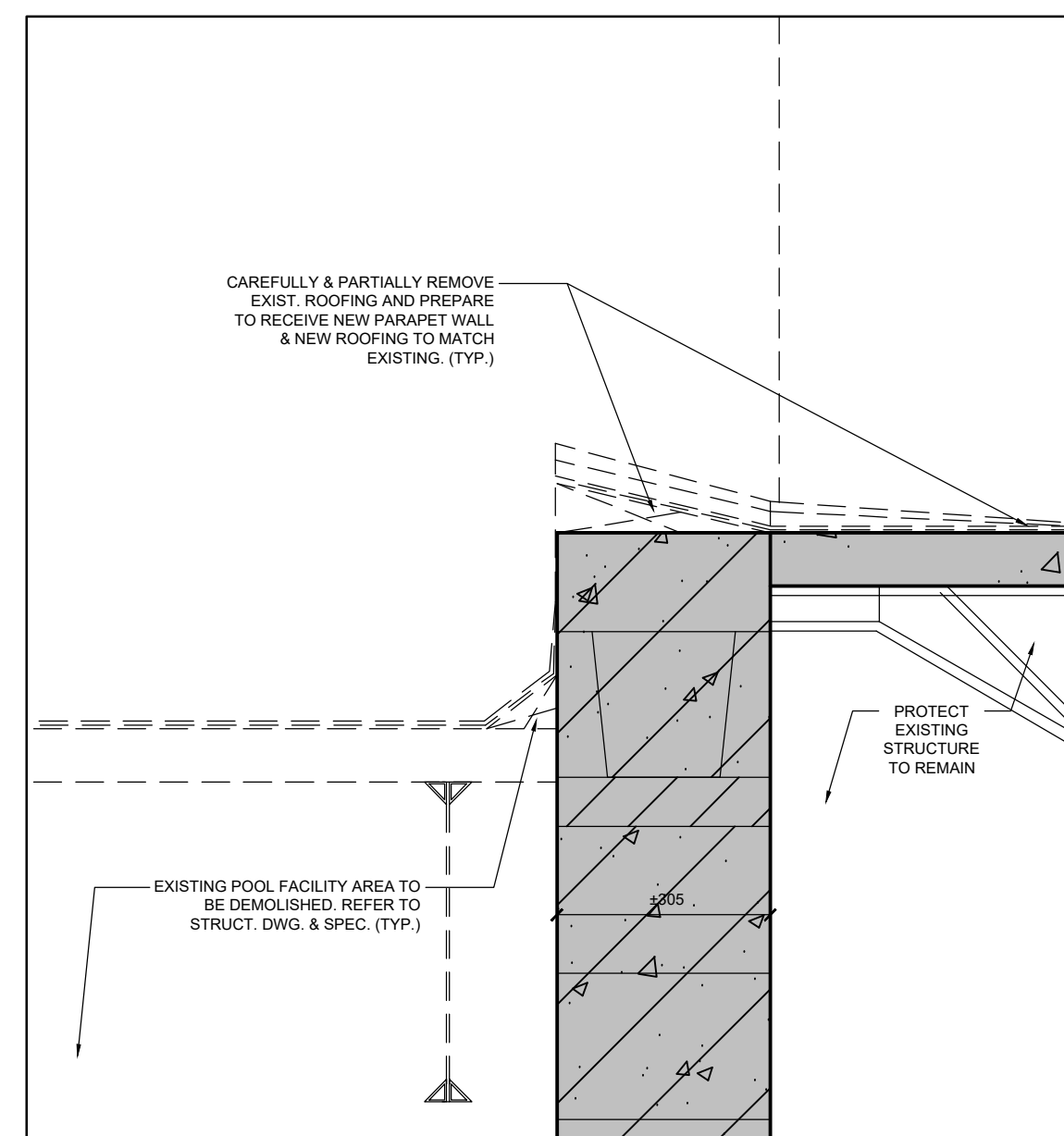
POOL DEMOLITION

Drawing Title
WALL SECTIONS & DETAILS

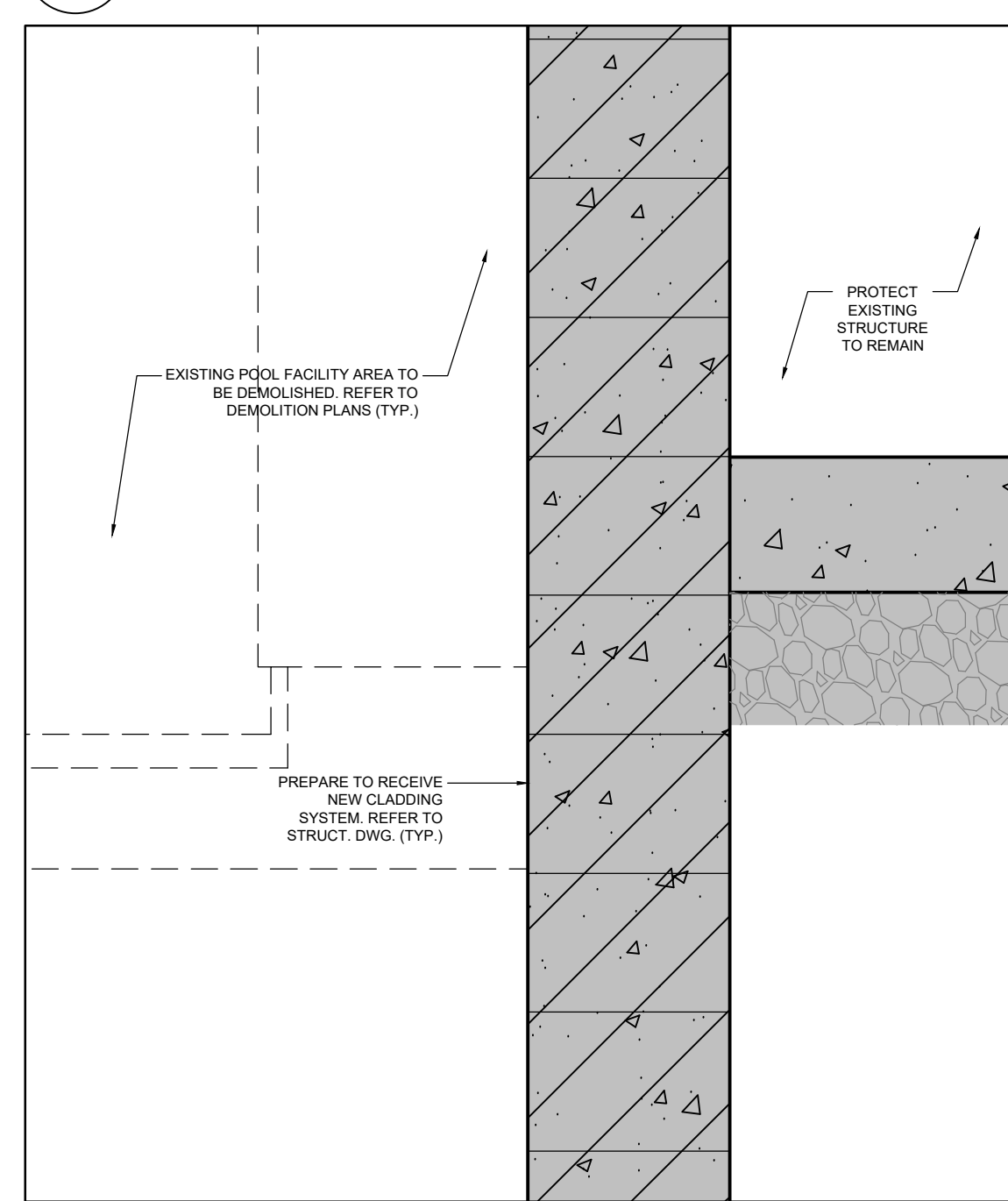
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Drawn AK / VSP	Checked AM	A600
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.



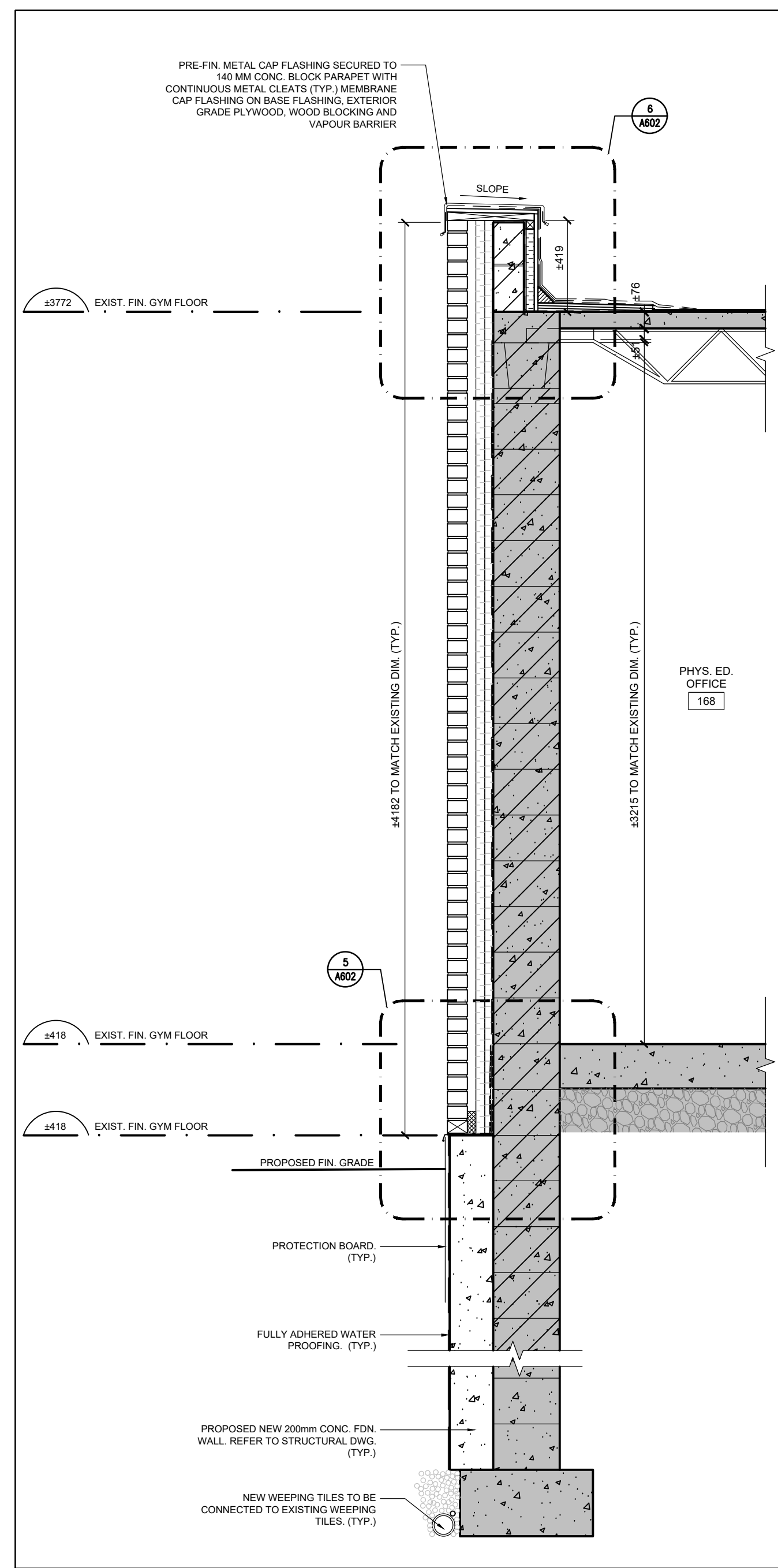
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A602 SCALE: 1:20



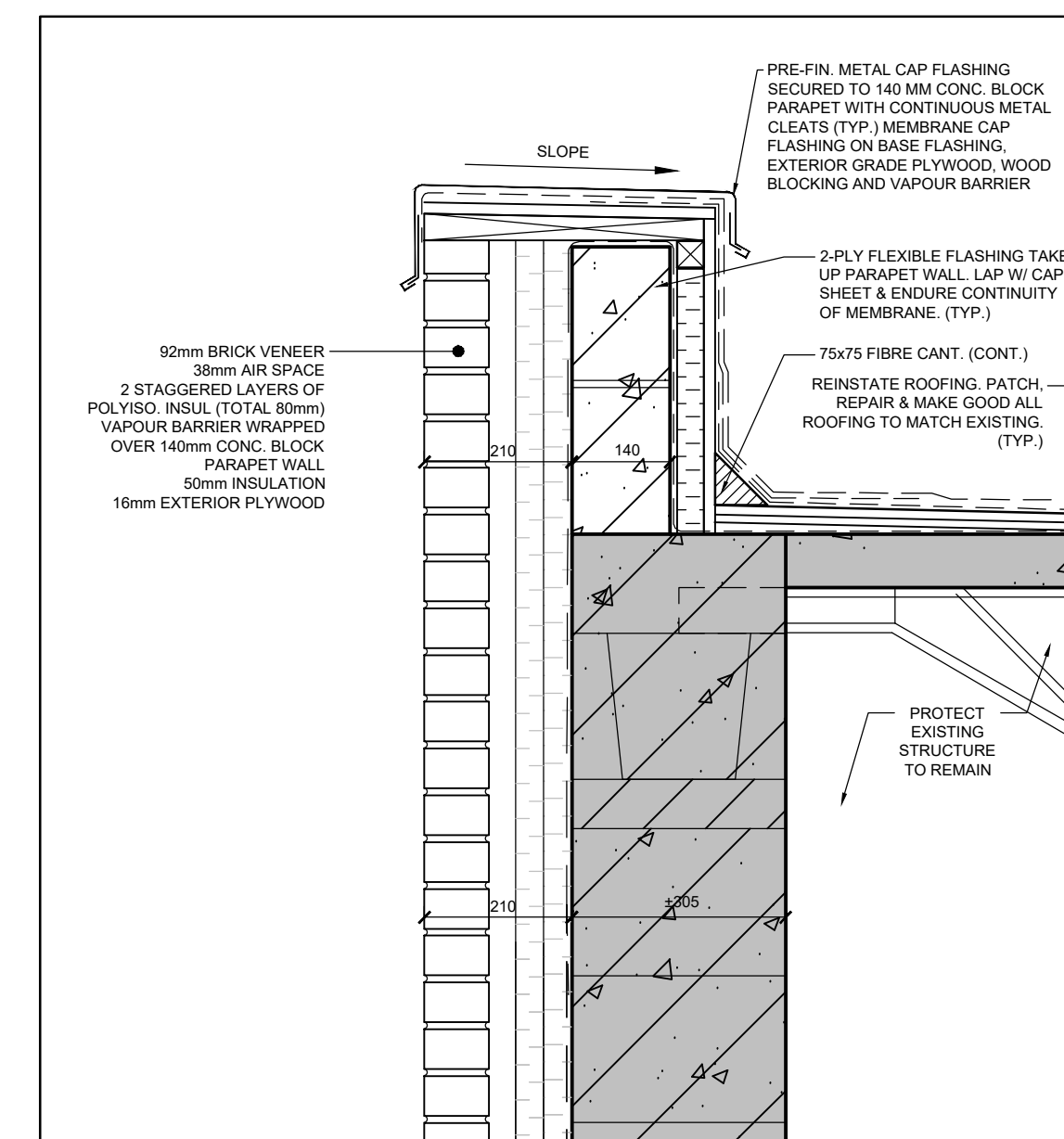
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A602 SCALE: 1:10



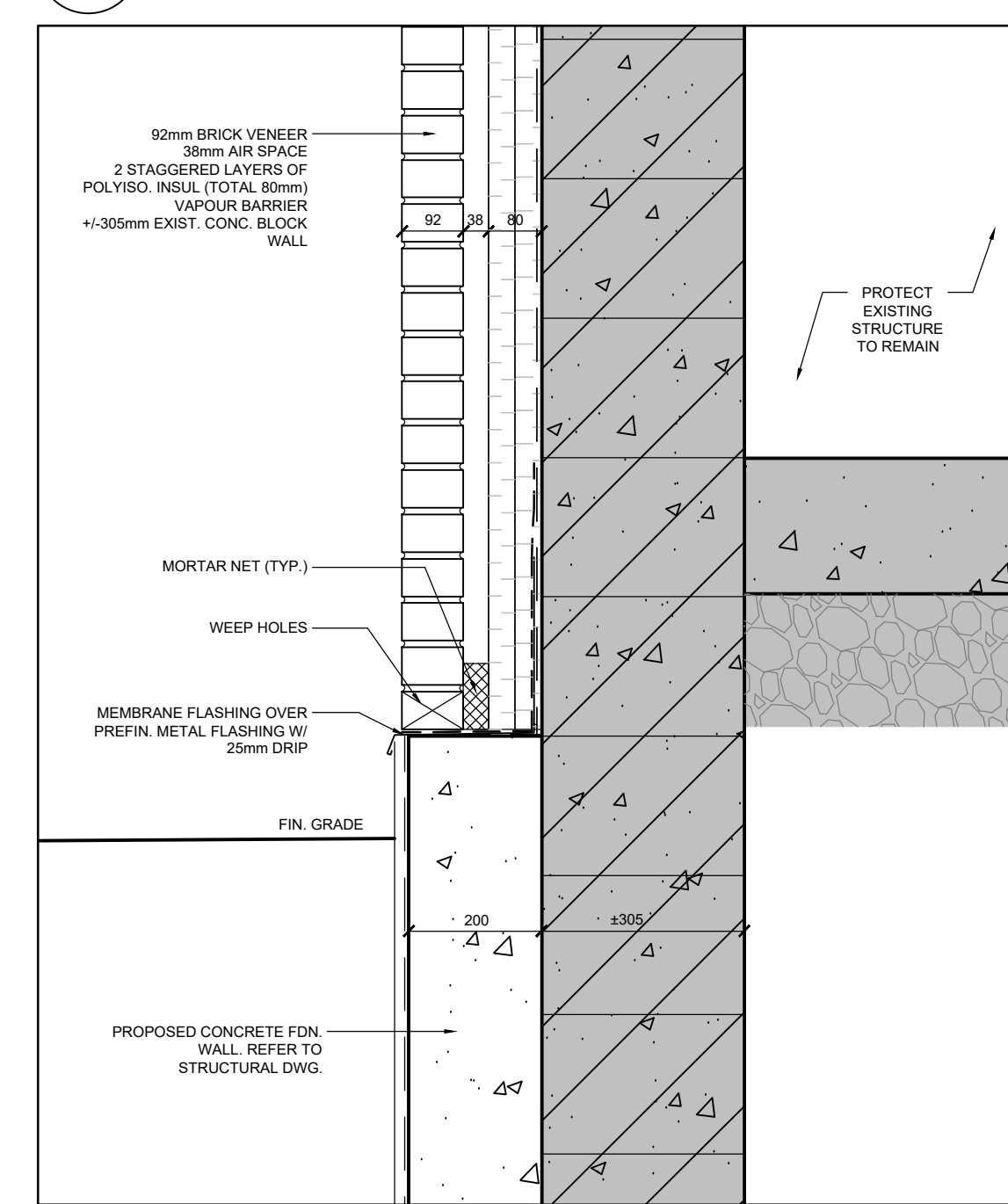
2 DEMOLITION SECTION DETAIL
A602 SCALE: 1:10



4 PROPOSED WALL SECTION
A602 SCALE: 1:20



6 PROPOSED SECTION DETAIL
A602 SCALE: 1:10



5 PROPOSED SECTION DETAIL
A602 SCALE: 1:10

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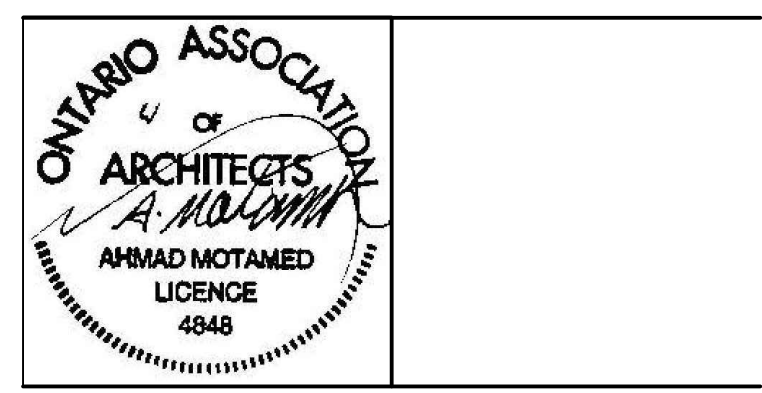
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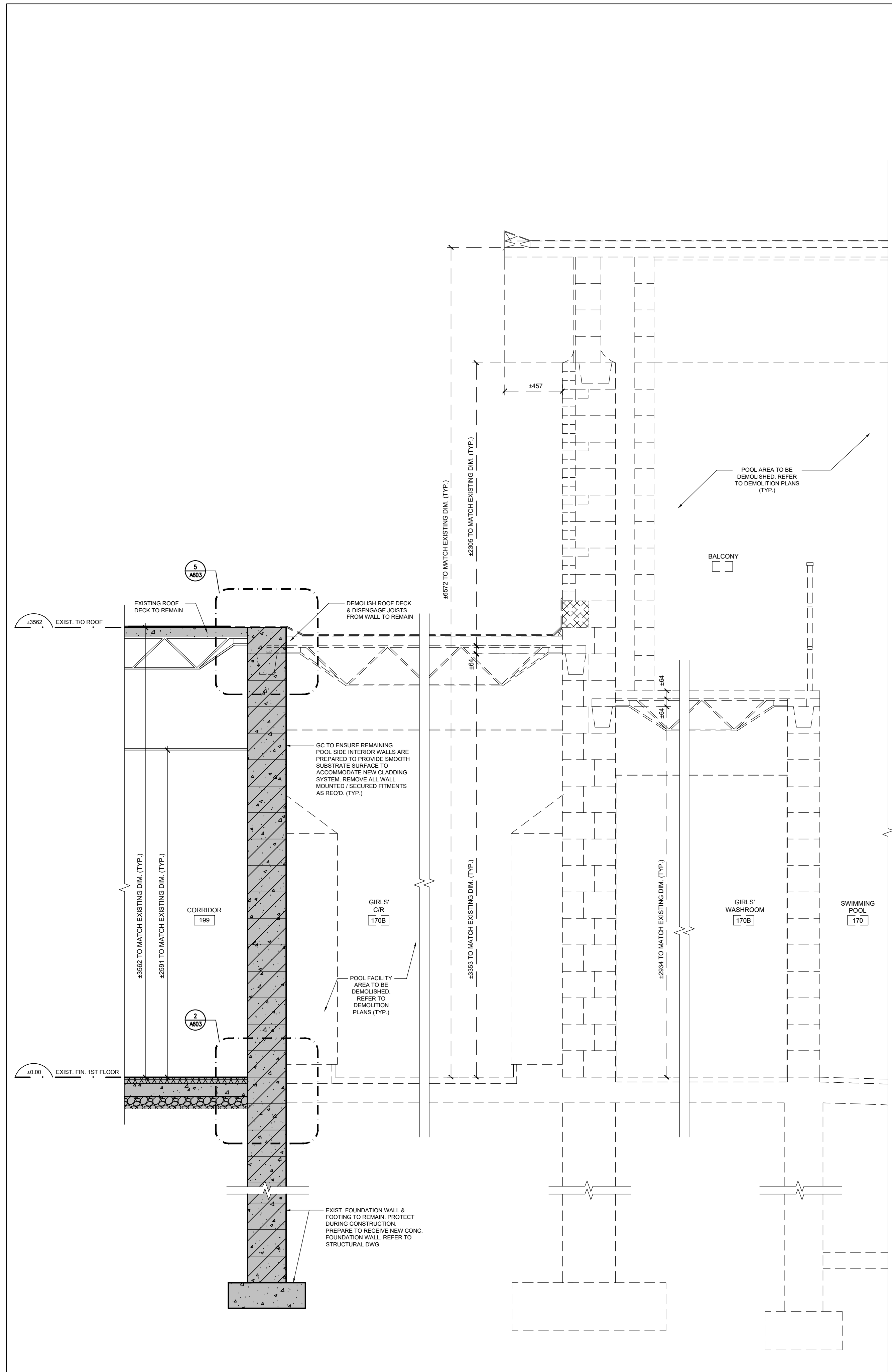


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 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

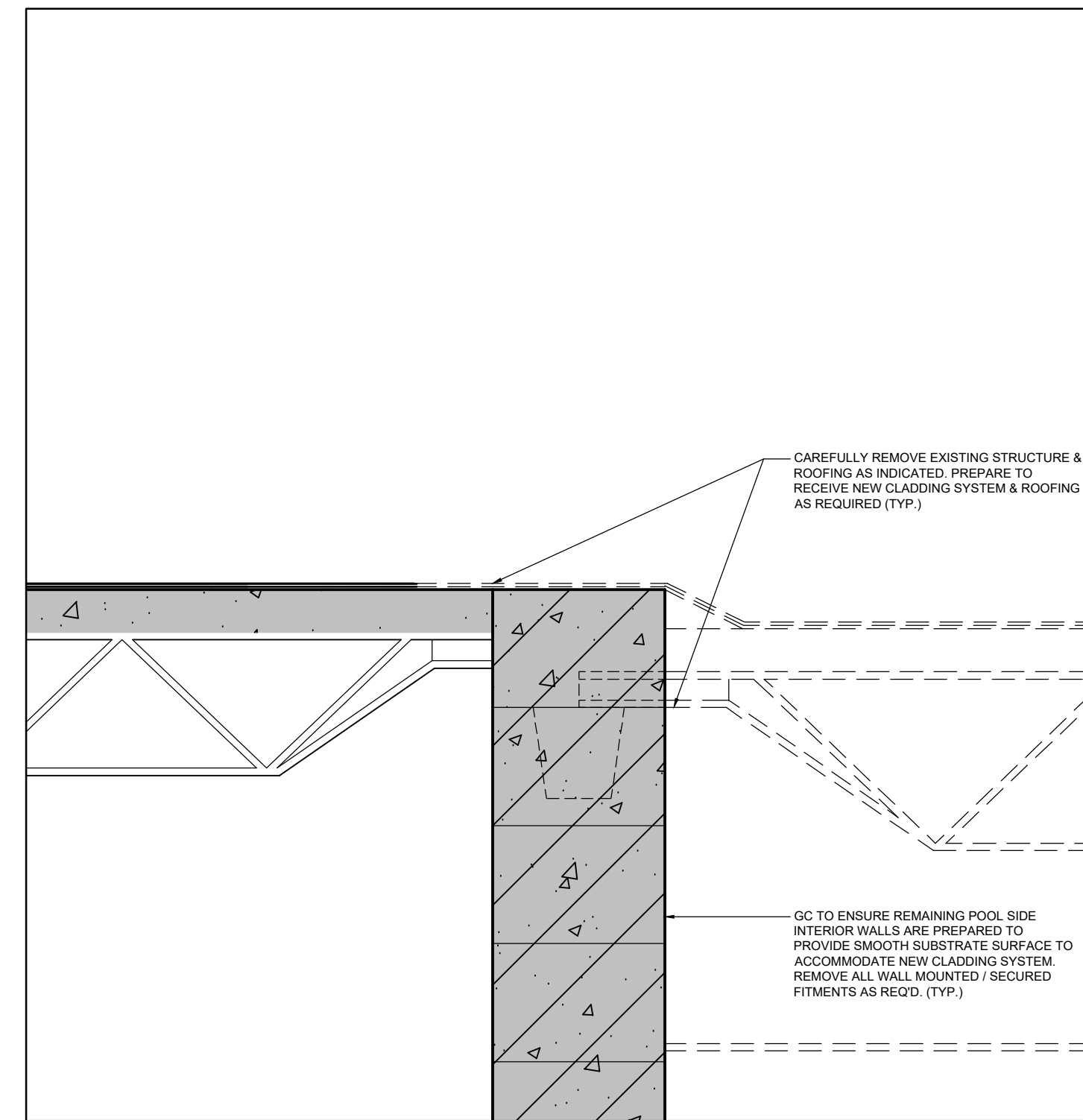
POOL DEMOLITION

Drawing Title
WALL SECTIONS & DETAILS

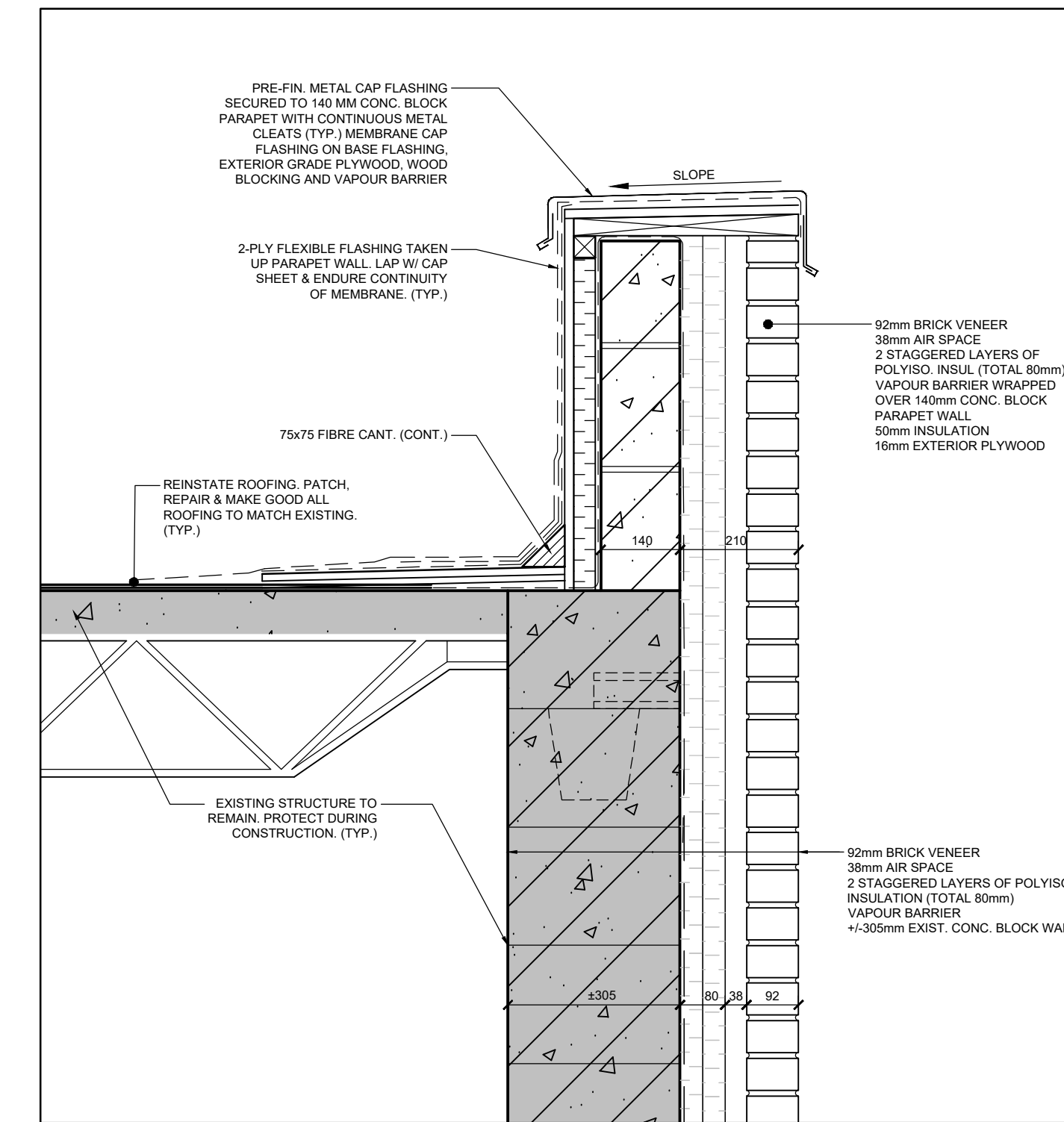
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Drawn AK / VSP	Checked AM	A602
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.



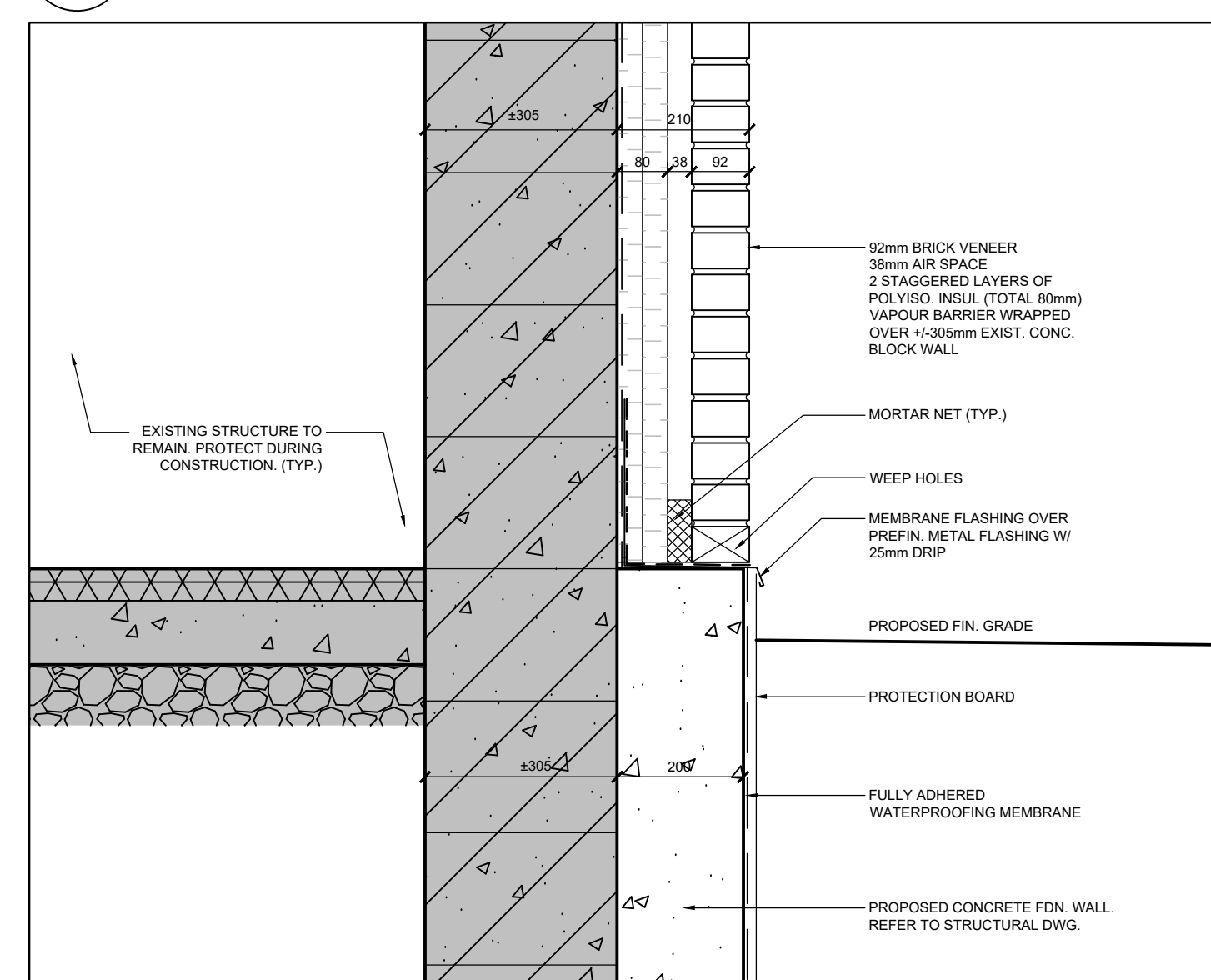
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A603 SCALE: 1:20



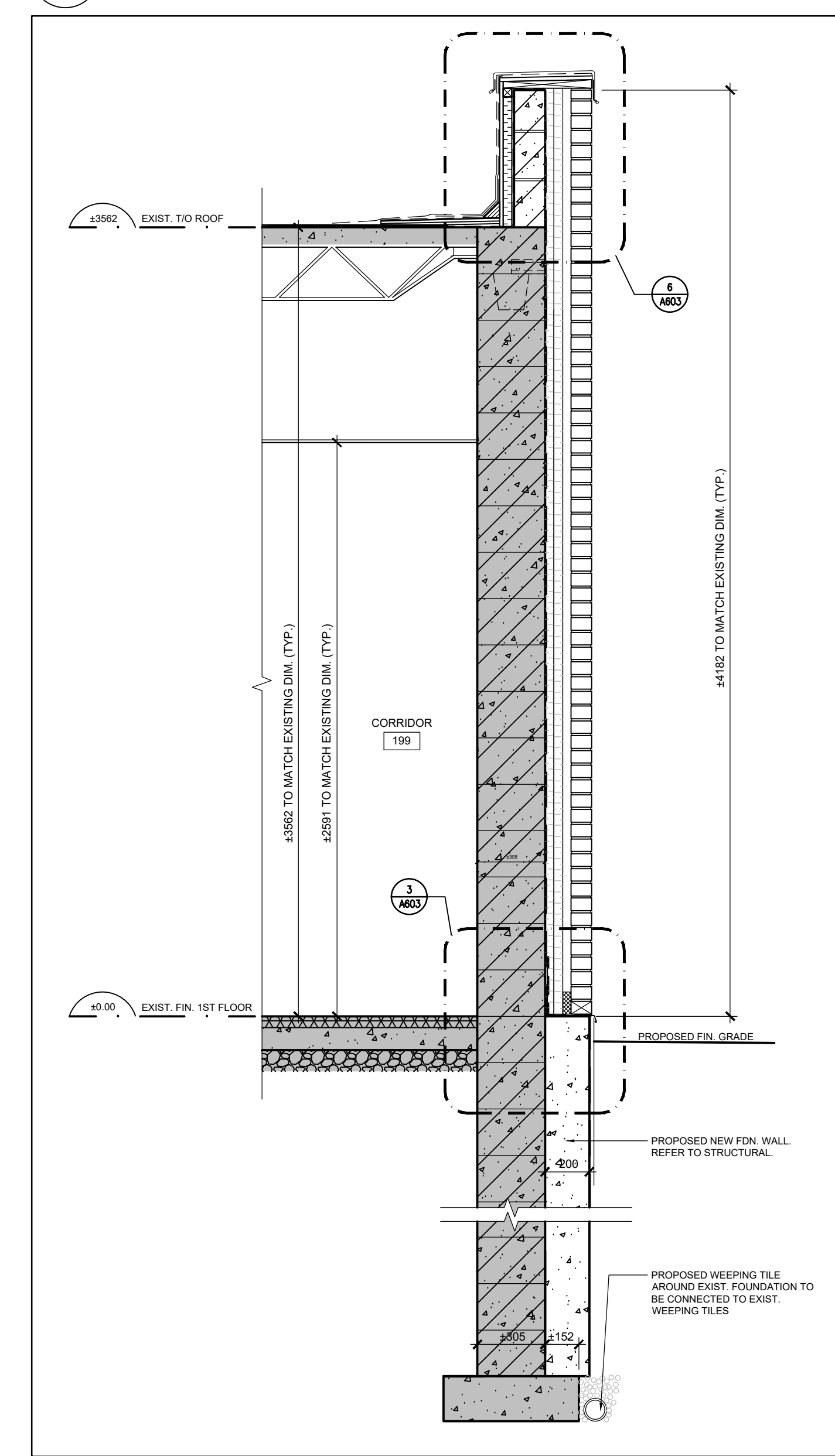
5 DEMOLITION SECTION DETAIL
A603 SCALE: 1:10



6 PROPOSED SECTION DETAIL
A603 SCALE: 1:10



3 PROPOSED SECTION DETAIL
A603 SCALE: 1:10



4 PROPOSED WALL SECTION
A603 SCALE: 1:20

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ONTARIO ASSOCIATION OF ARCHITECTS
AHMAD MOTAMED LICENCE 4848

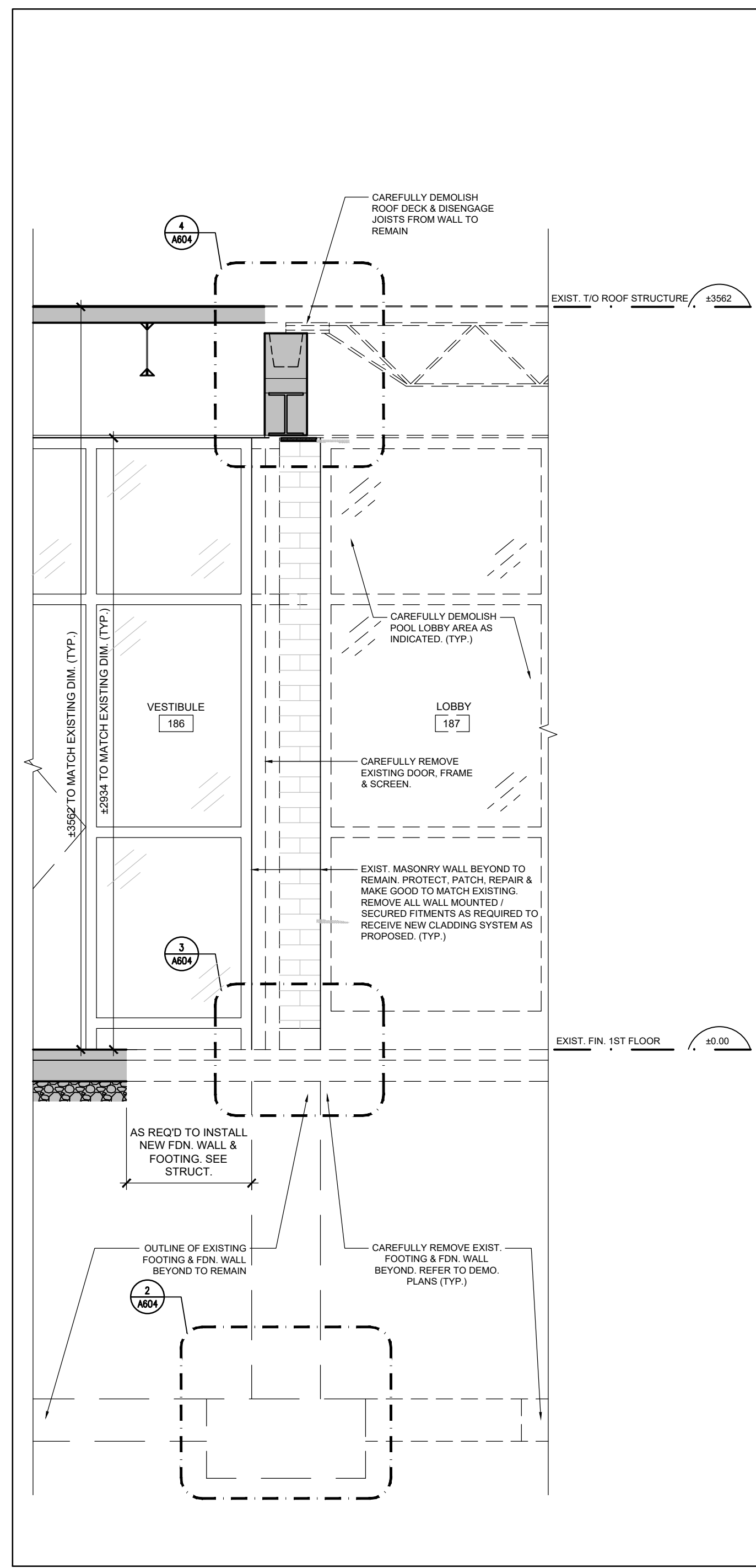
Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6**

POOL DEMOLITION

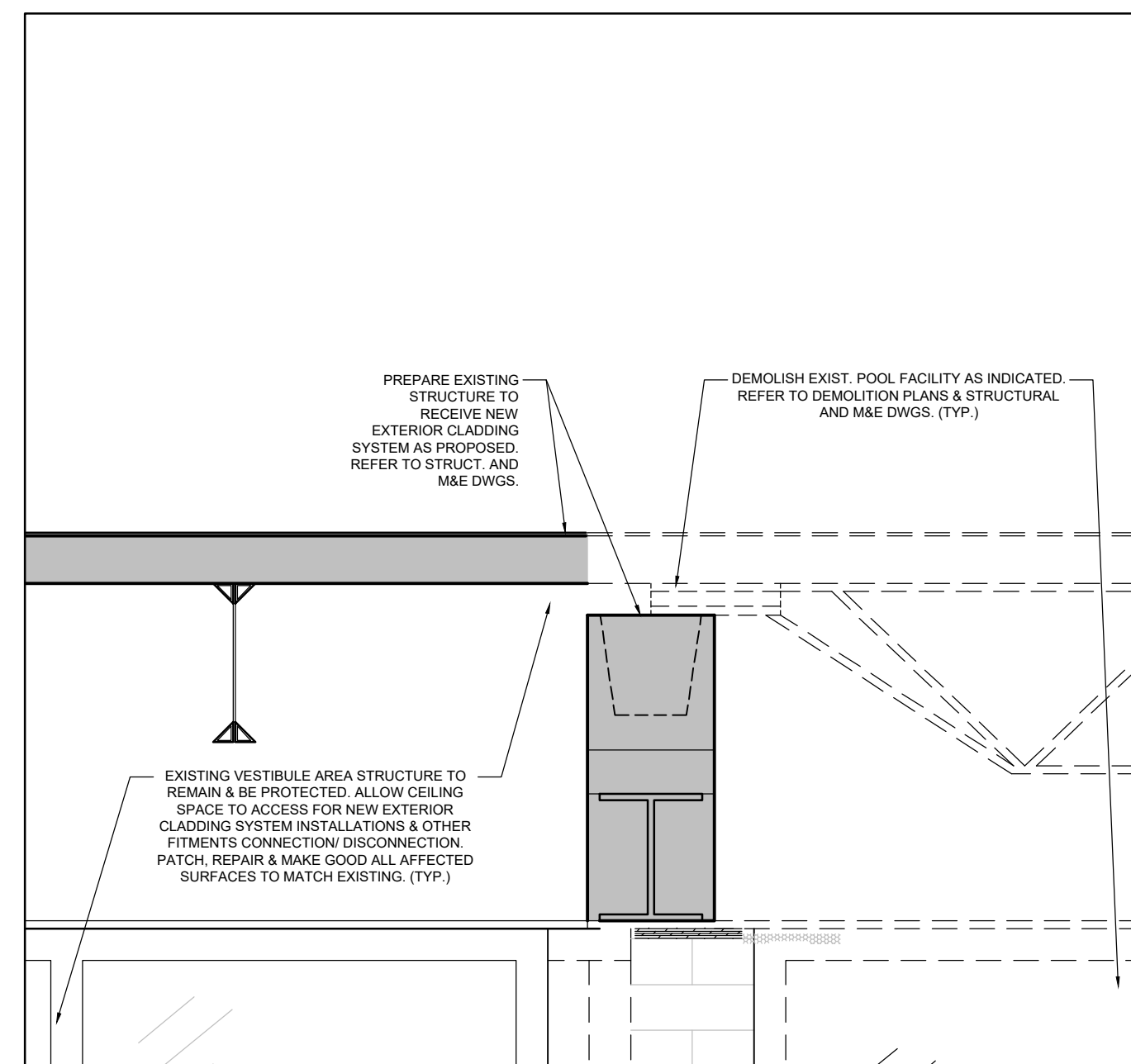
Drawing Title
WALL SECTIONS & DETAILS

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Date DECEMBER 2022	Project No. 222113
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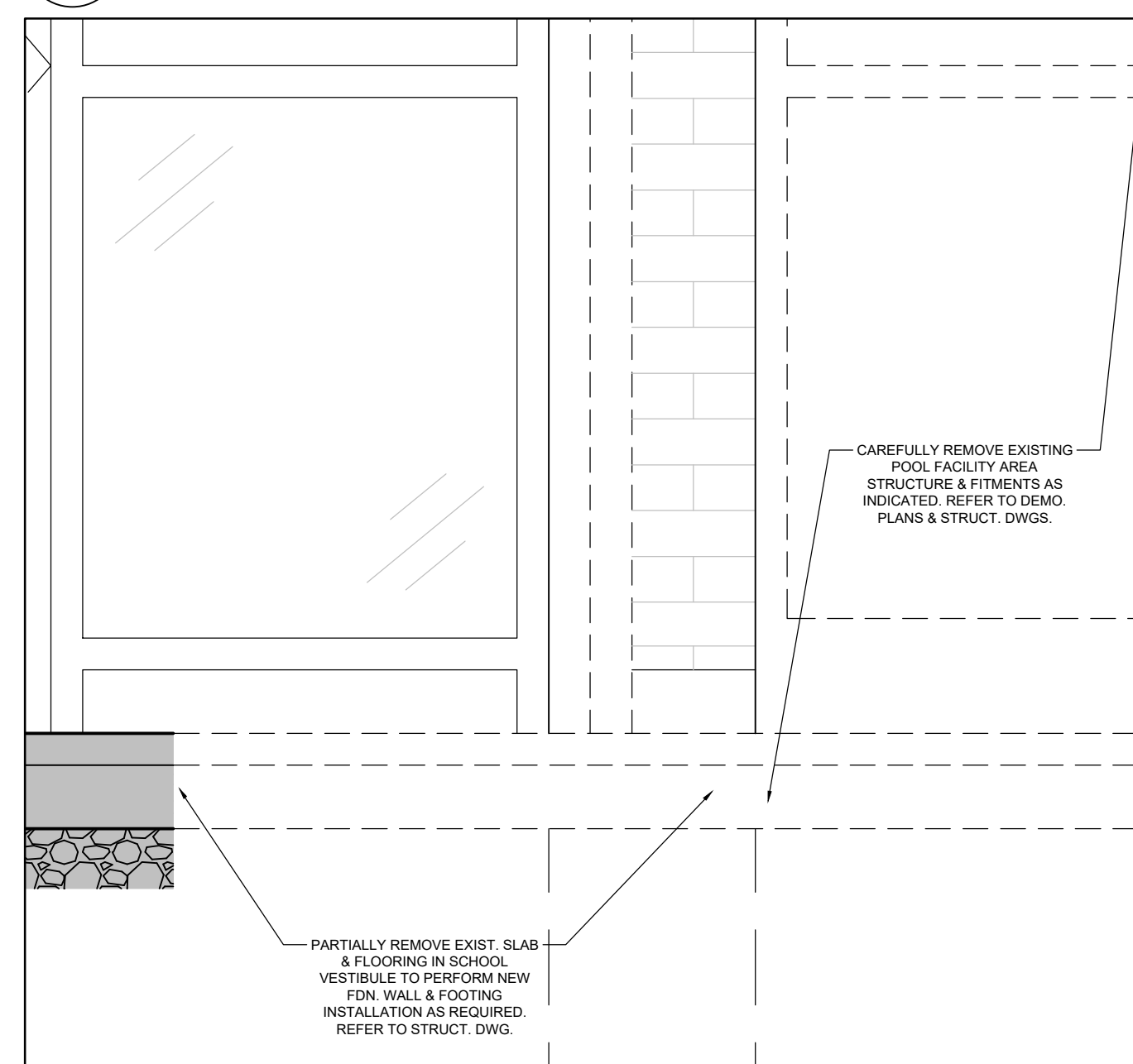
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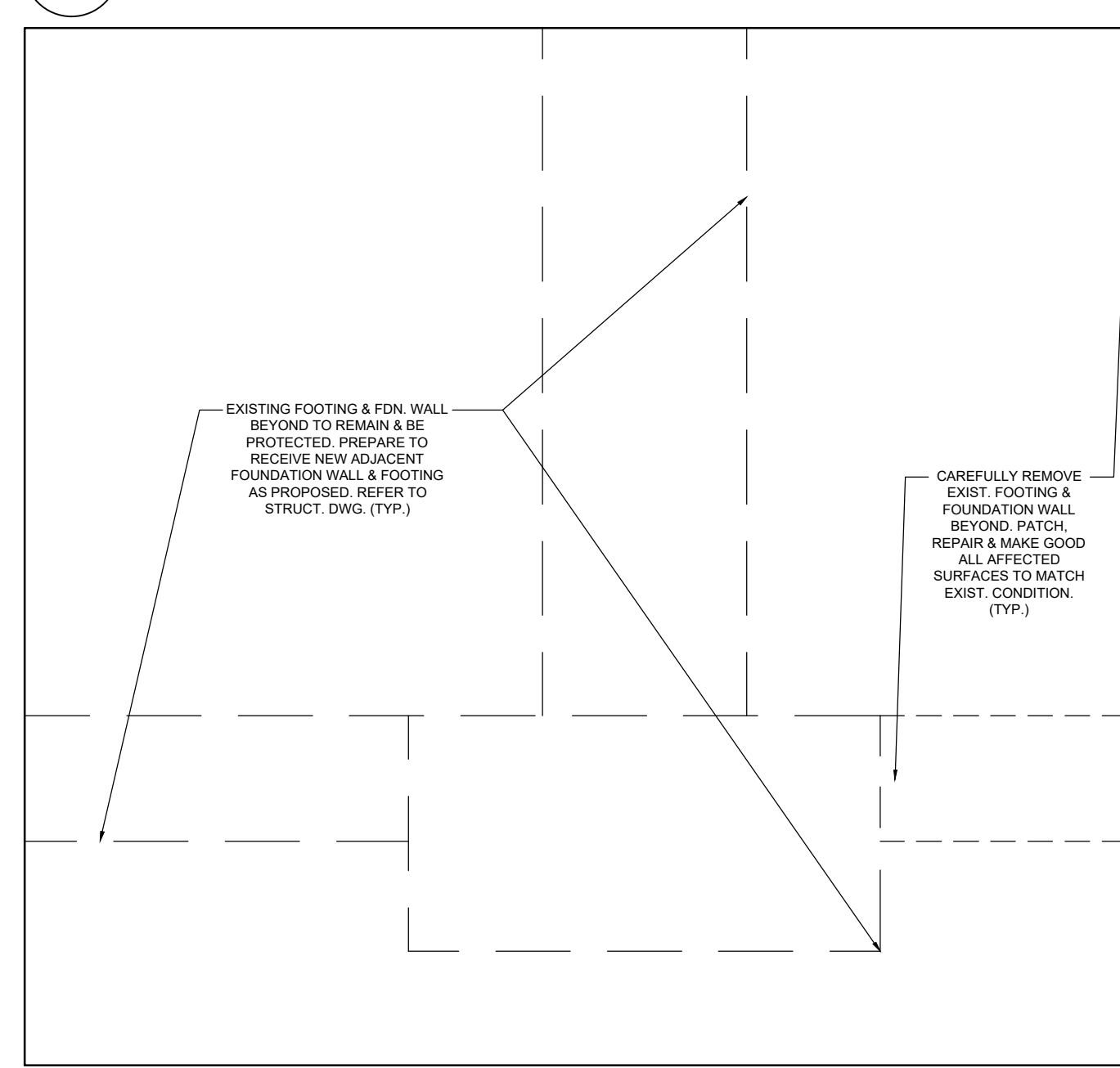
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A604 SCALE: 1:20



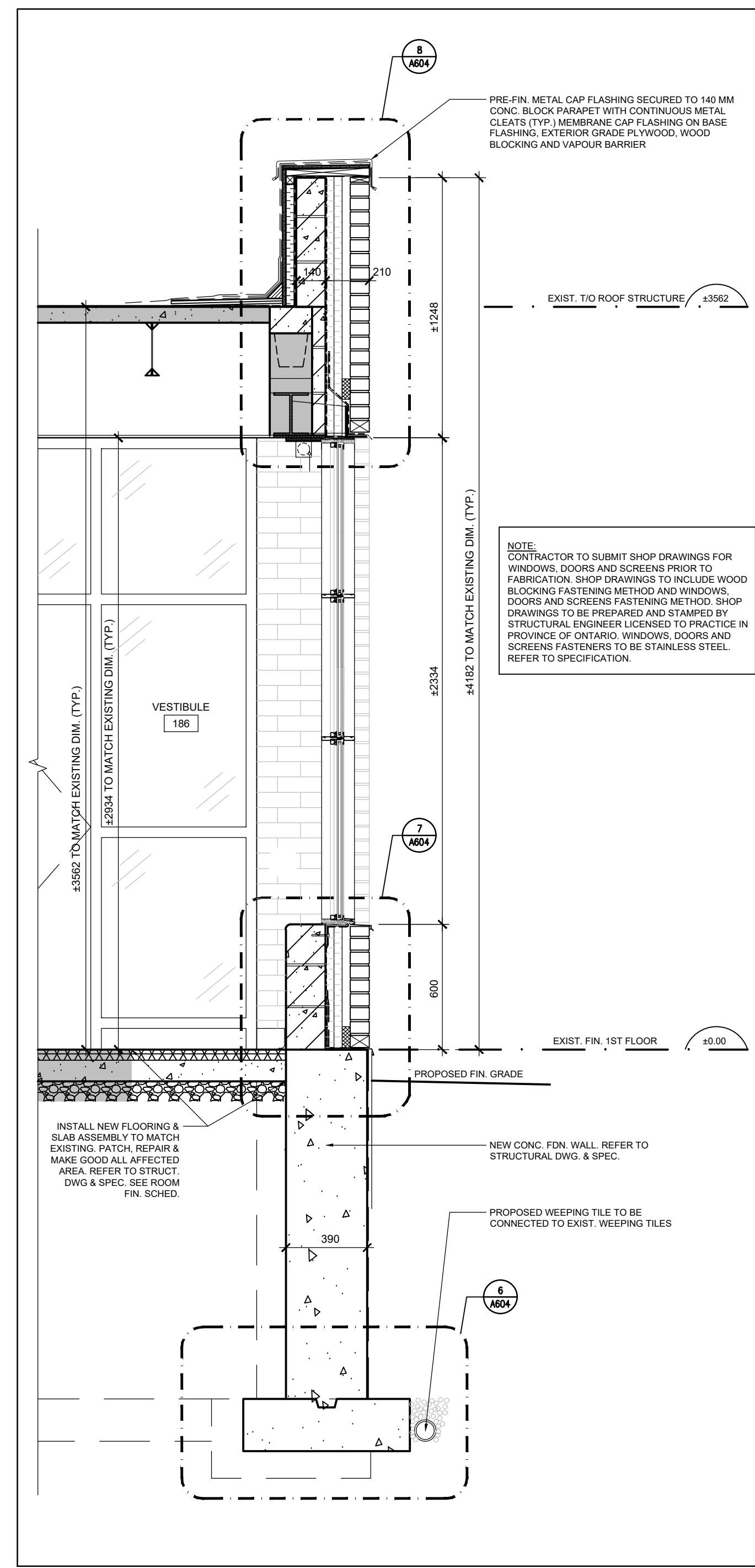
4 DEMOLITION SECTION DETAIL
A604 SCALE: 1:10



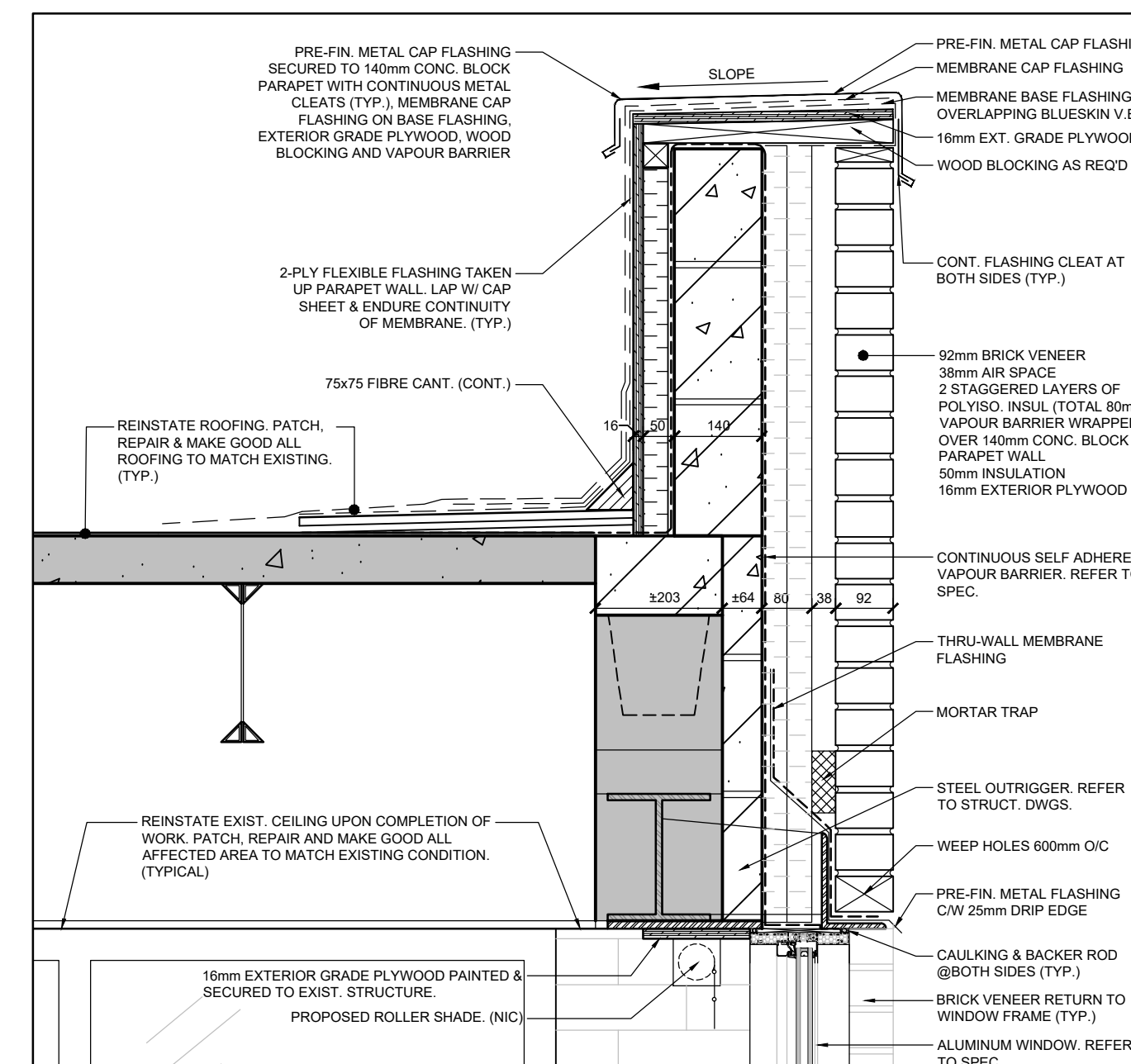
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A604 SCALE: 1:10



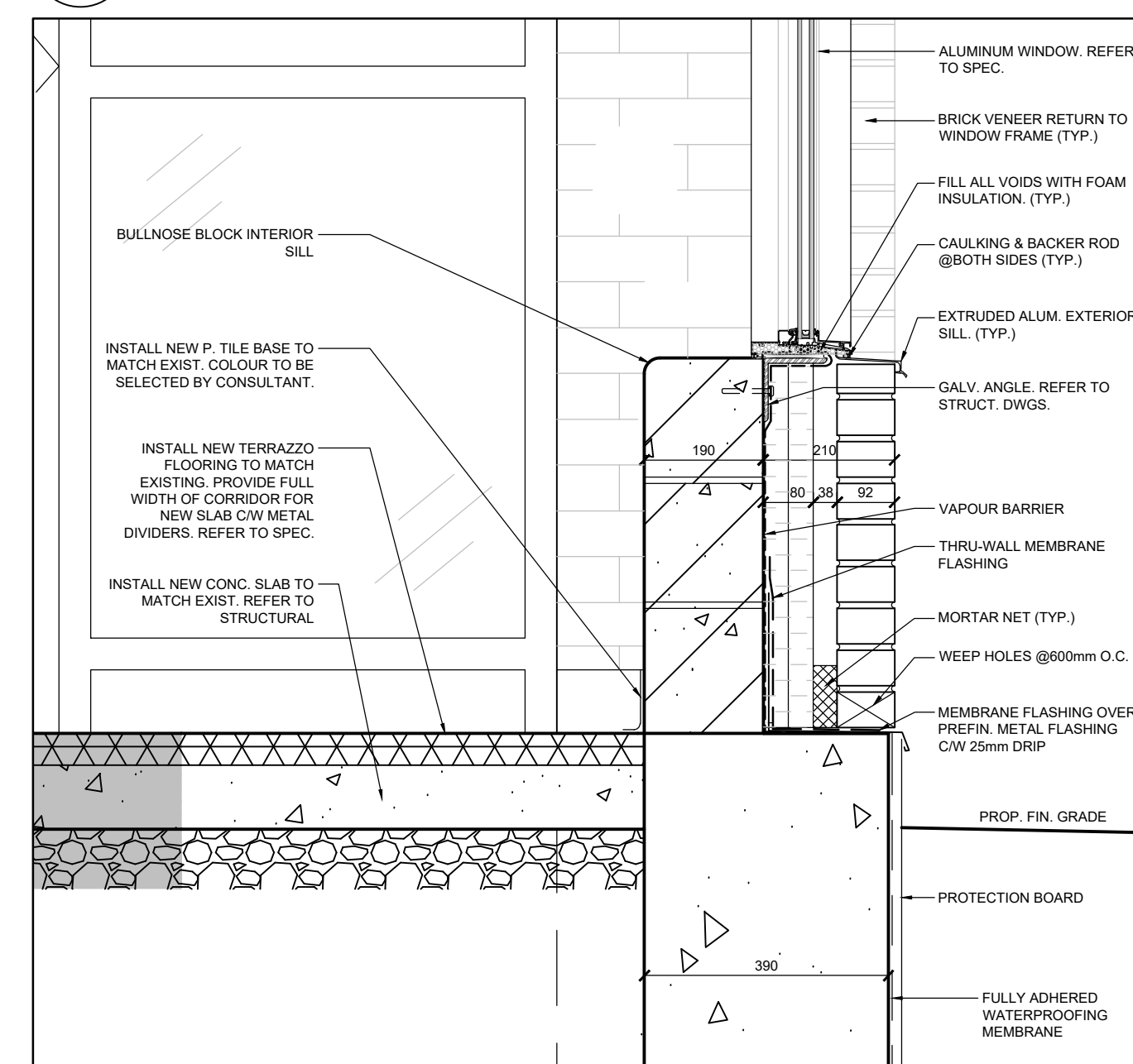
2 DEMOLITION SECTION DETAIL
A604 SCALE: 1:10



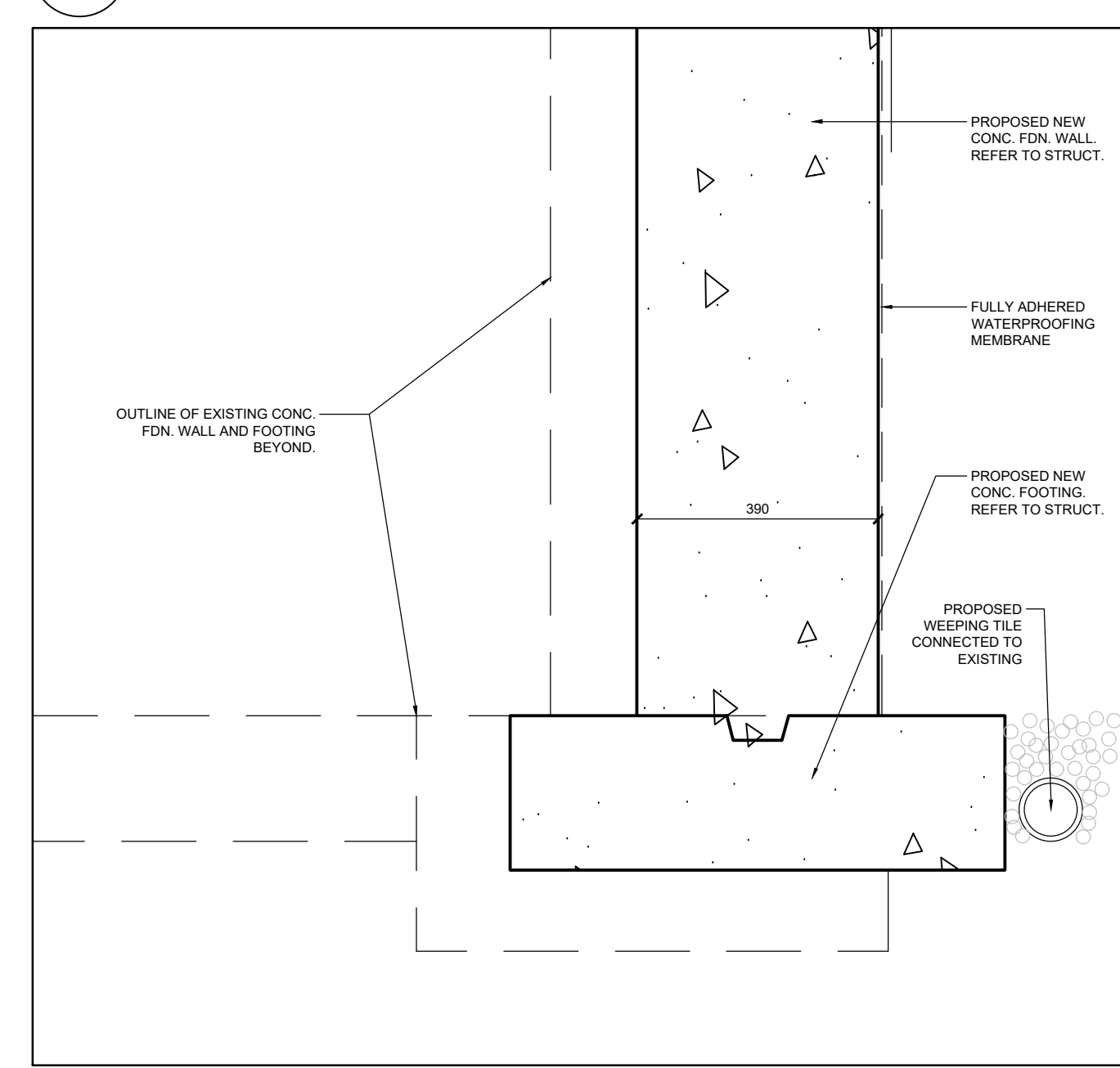
5 PROPOSED WALL SECTION
A604 SCALE: 1:20



8 PROPOSED SECTION DETAIL
A604 SCALE: 1:10



7 PROPOSED SECTION DETAIL
A604 SCALE: 1:10



6 PROPOSED SECTION DETAIL
A604 SCALE: 1:10

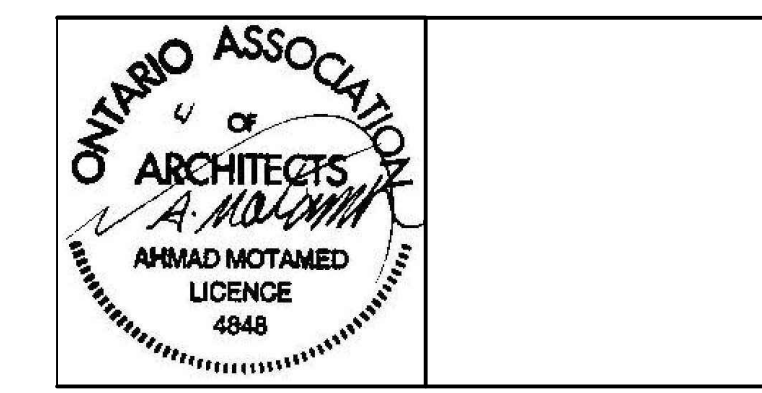
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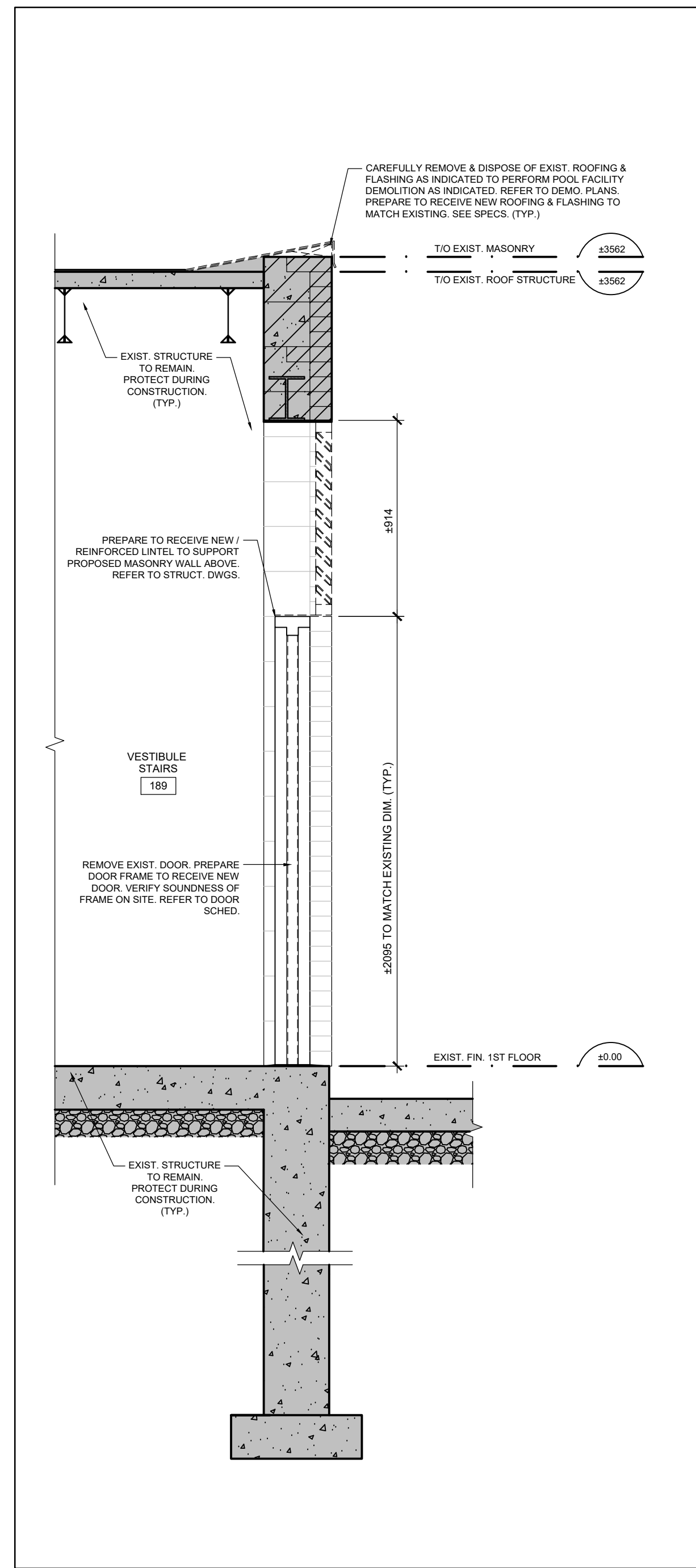


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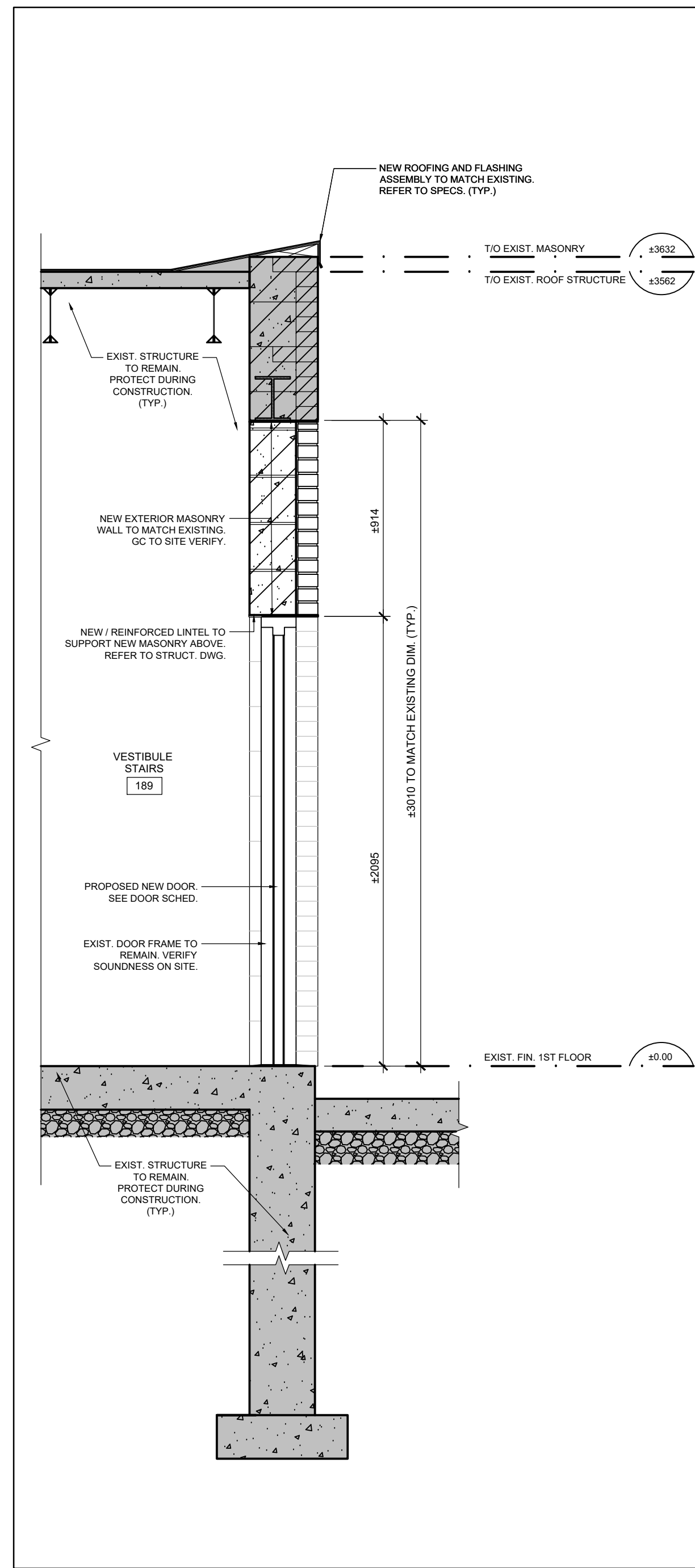
POOL DEMOLITION

Drawing Title
WALL SECTIONS & DETAILS

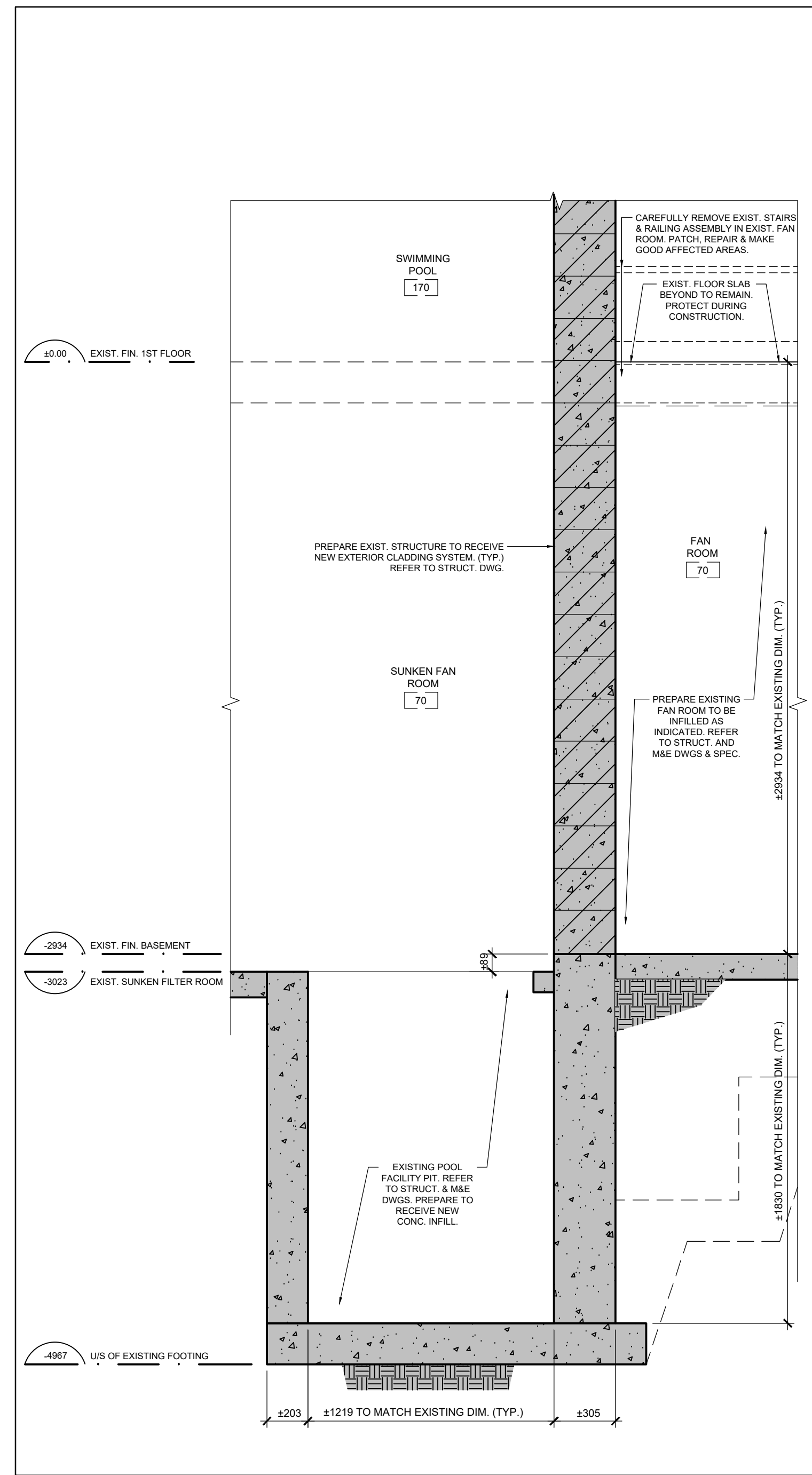
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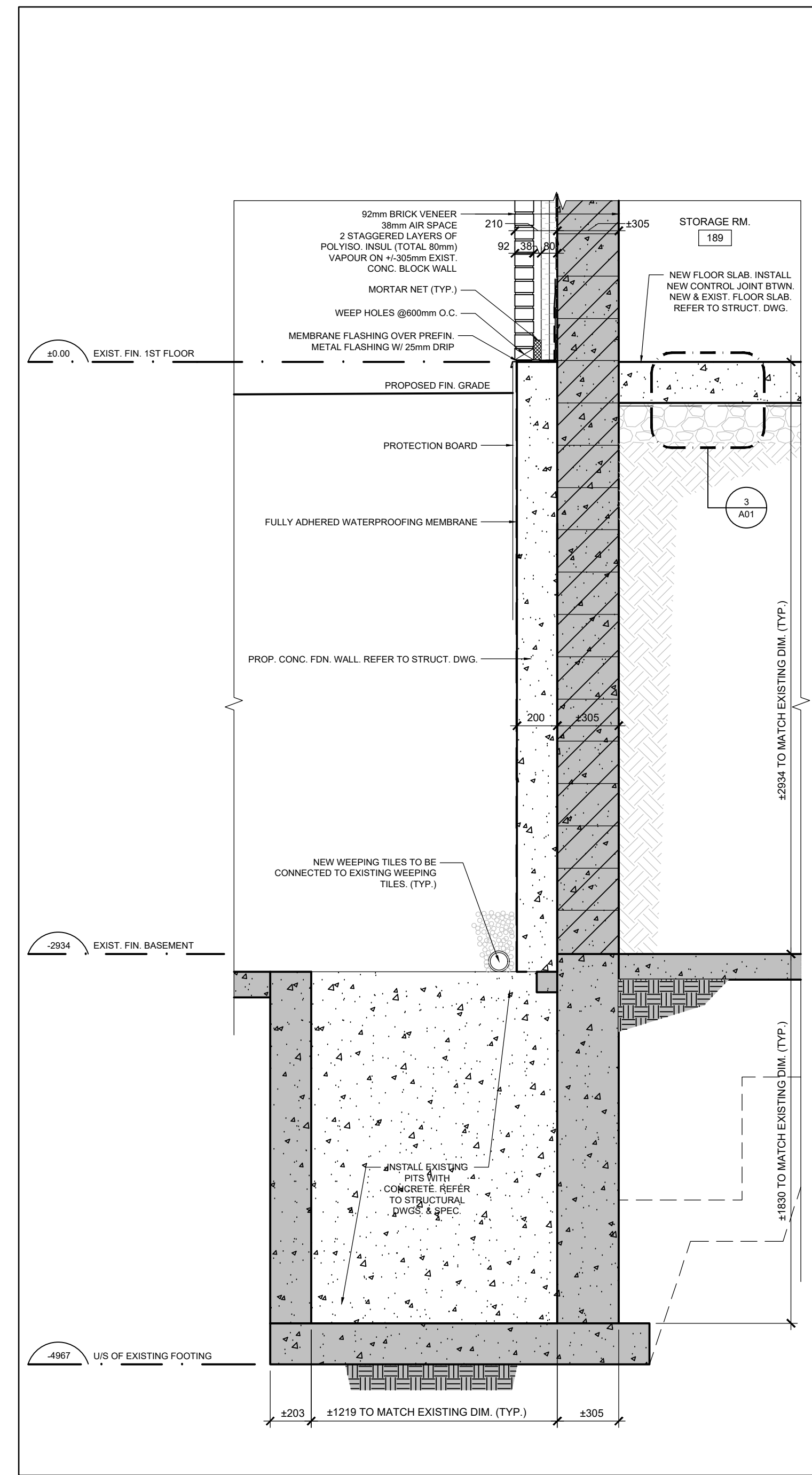
1 DEMOLITION WALL SECTION
A605 SCALE: 1:20



2 PROPOSED WALL SECTION
A605 SCALE: 1:20



3 DEMOLITION WALL SECTION
A605 SCALE: 1:20



4 PROPOSED WALL SECTION
A605 SCALE: 1:20

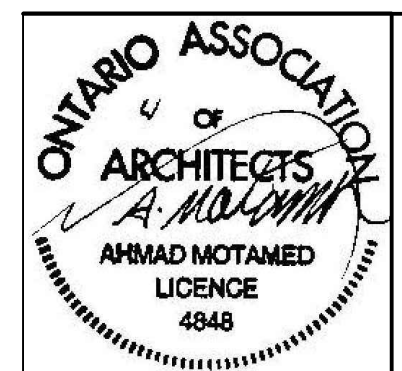
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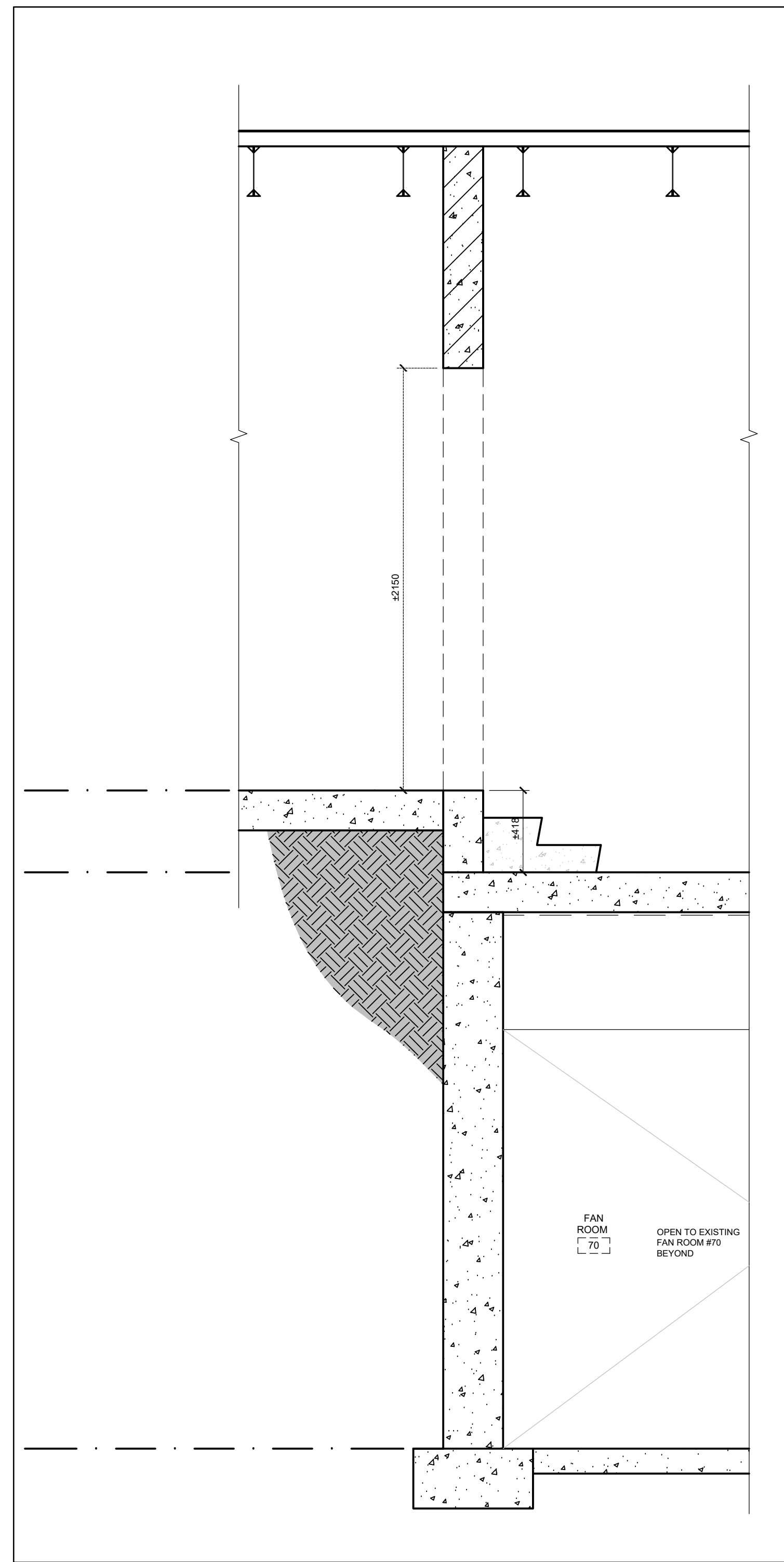
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GLENFOREST SECONDARY SCHOOL**
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POOL DEMOLITION

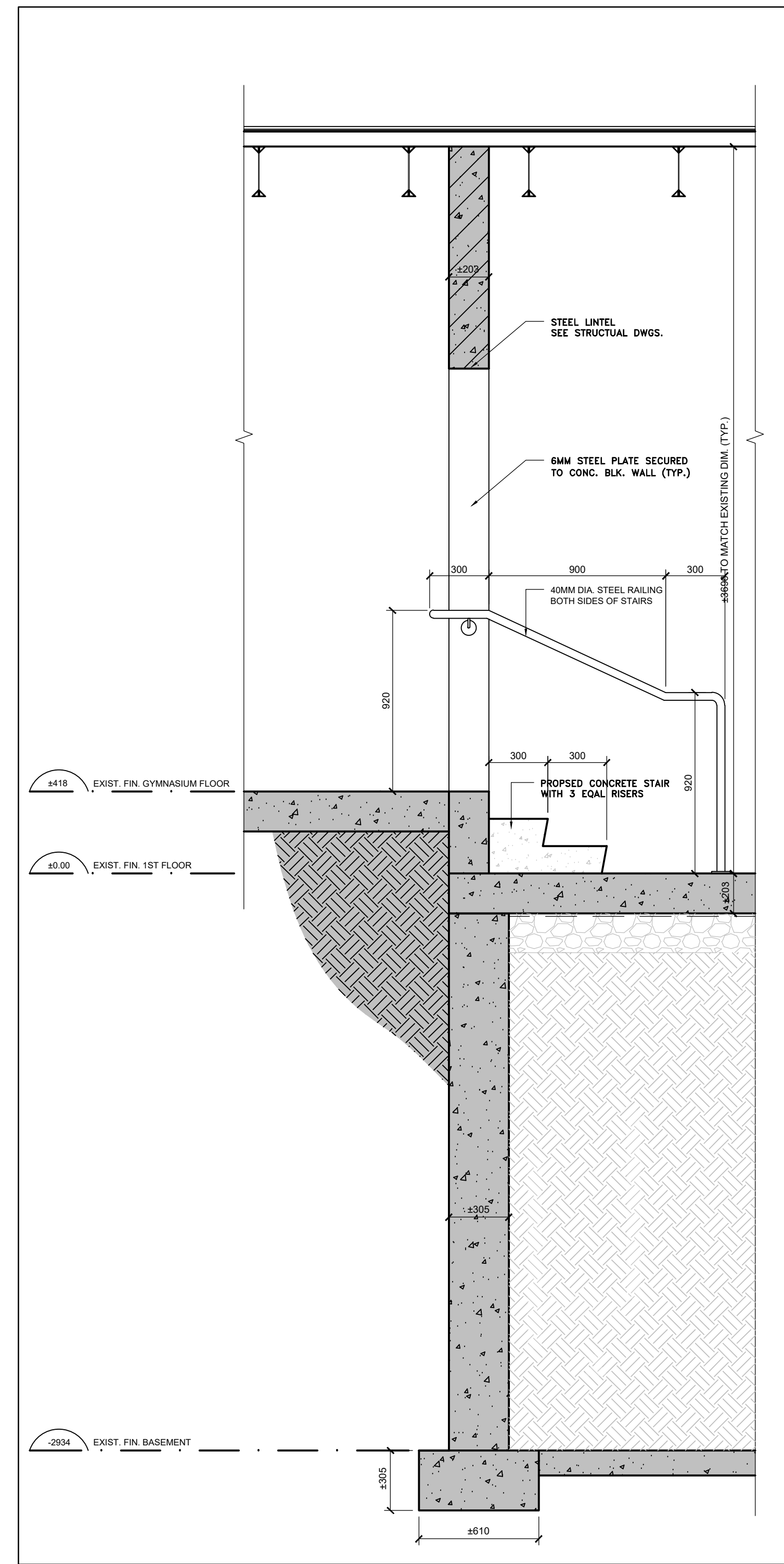
Drawing Title
WALL SECTIONS

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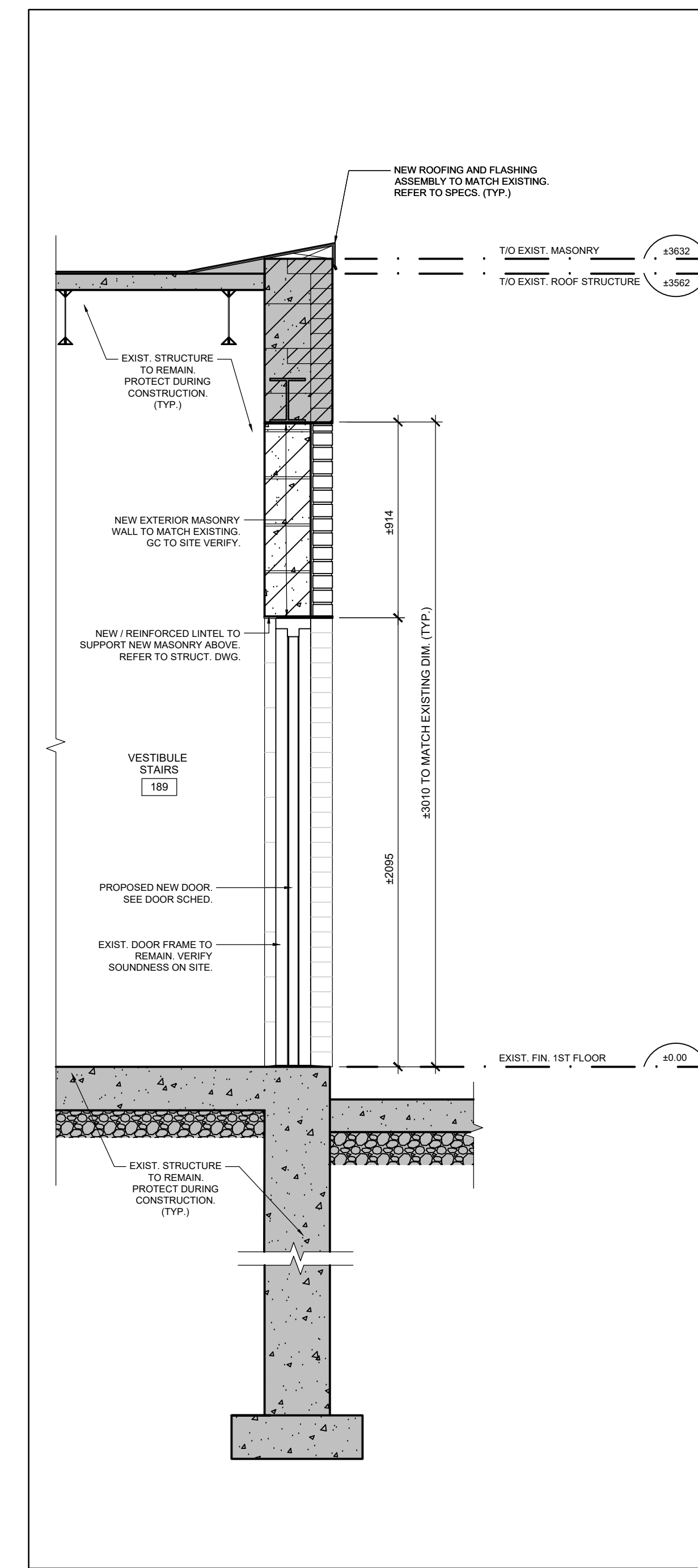
A605



1 DEMOLITION WALL SECTION
A606 SCALE: 1:20



1 DEMOLITION WALL SECTION
A606 SCALE: 1:20



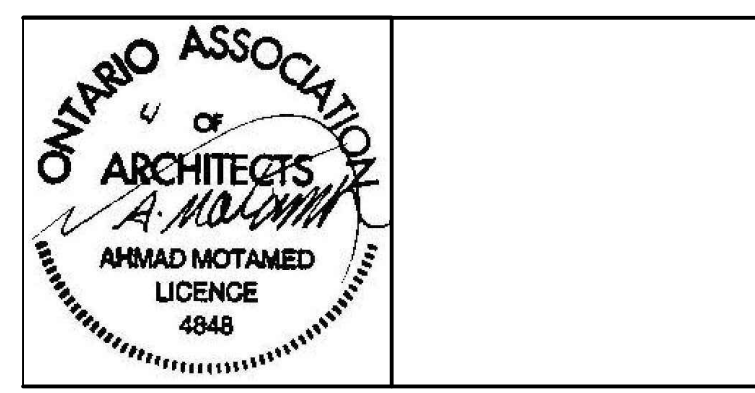
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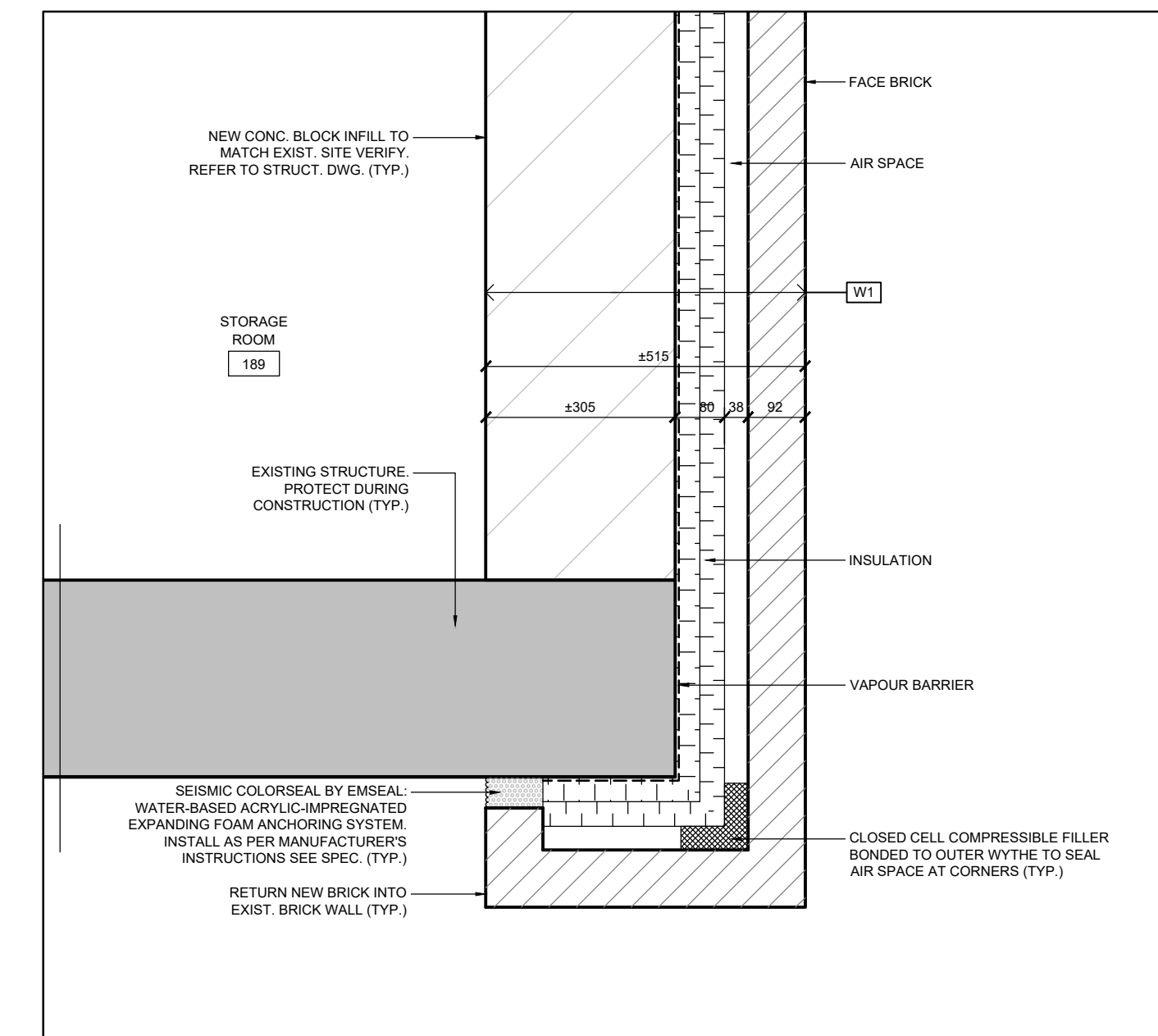
POOL DEMOLITION

Drawing Title
WALL SECTIONS

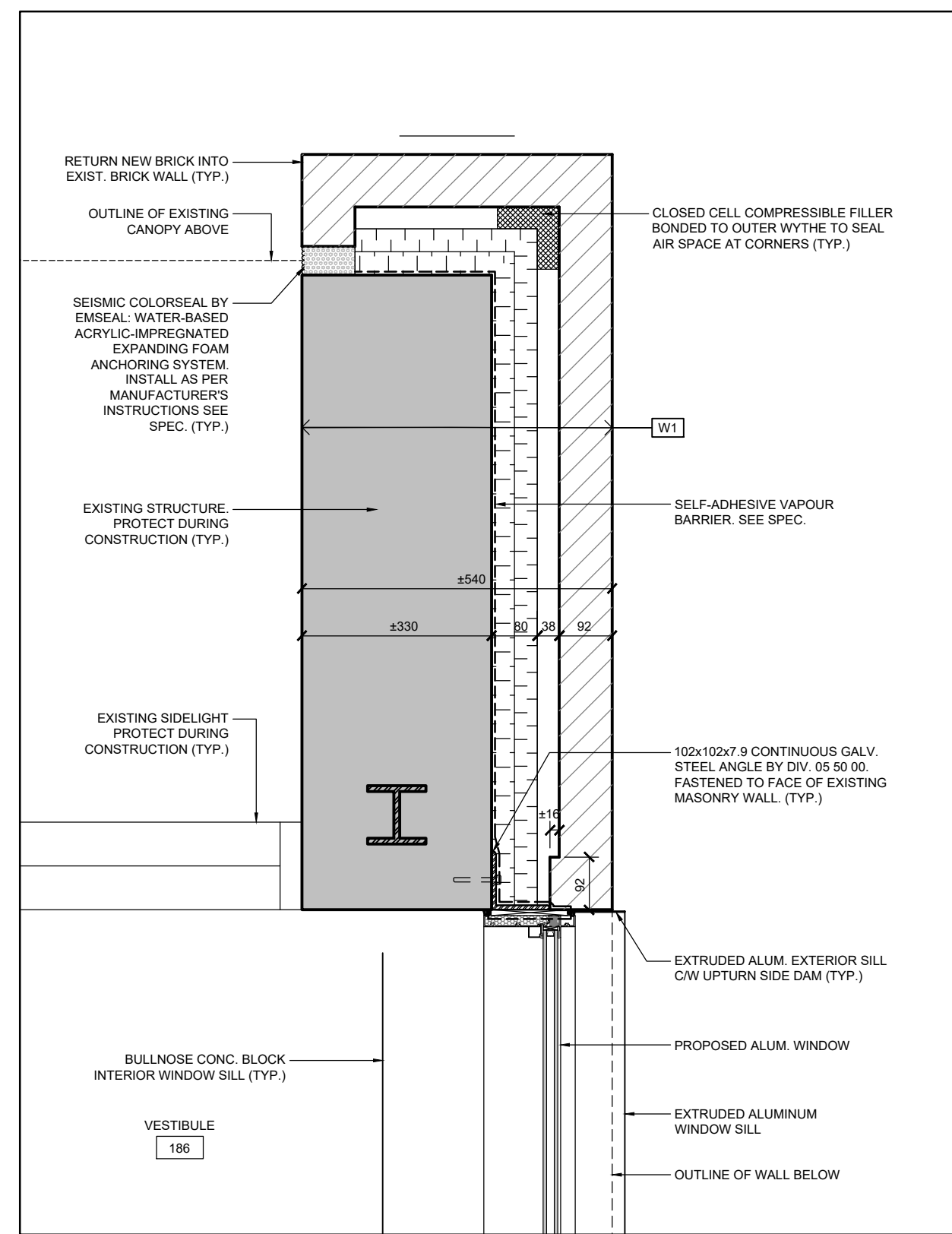
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Drawn AK / VSP	Checked AM	A606
CAD File AS NOTED	Scale AS NOTED	
Date DECEMBER 2022	Project No. 222113	Revision No.

Notes

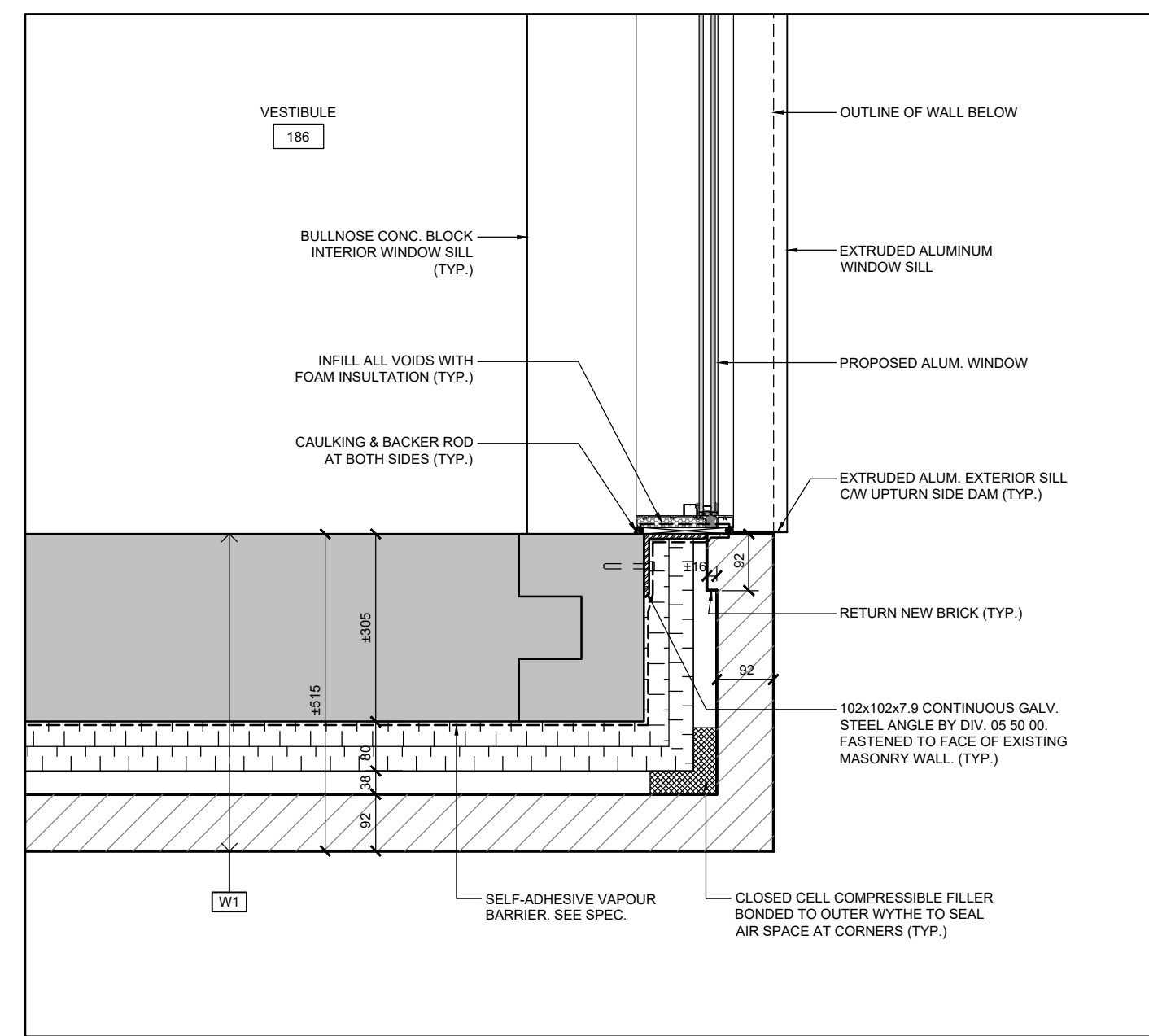
- Contractor shall check and verify all dimensions and shall report discrepancies to ETUDE ARCHITECTS INC. prior to construction.
- Do not scale this drawing. ETUDE ARCHITECTS INC. accepts no responsibility for measurements scaled from the drawings.
- All drawings and specifications are the property of ETUDE ARCHITECTS INC. who reserves his copyright with respect to this document. It shall not be duplicated, used or circulated for any other purpose than that for which it was issued, and must be returned on completion of the project to ETUDE ARCHITECTS INC.



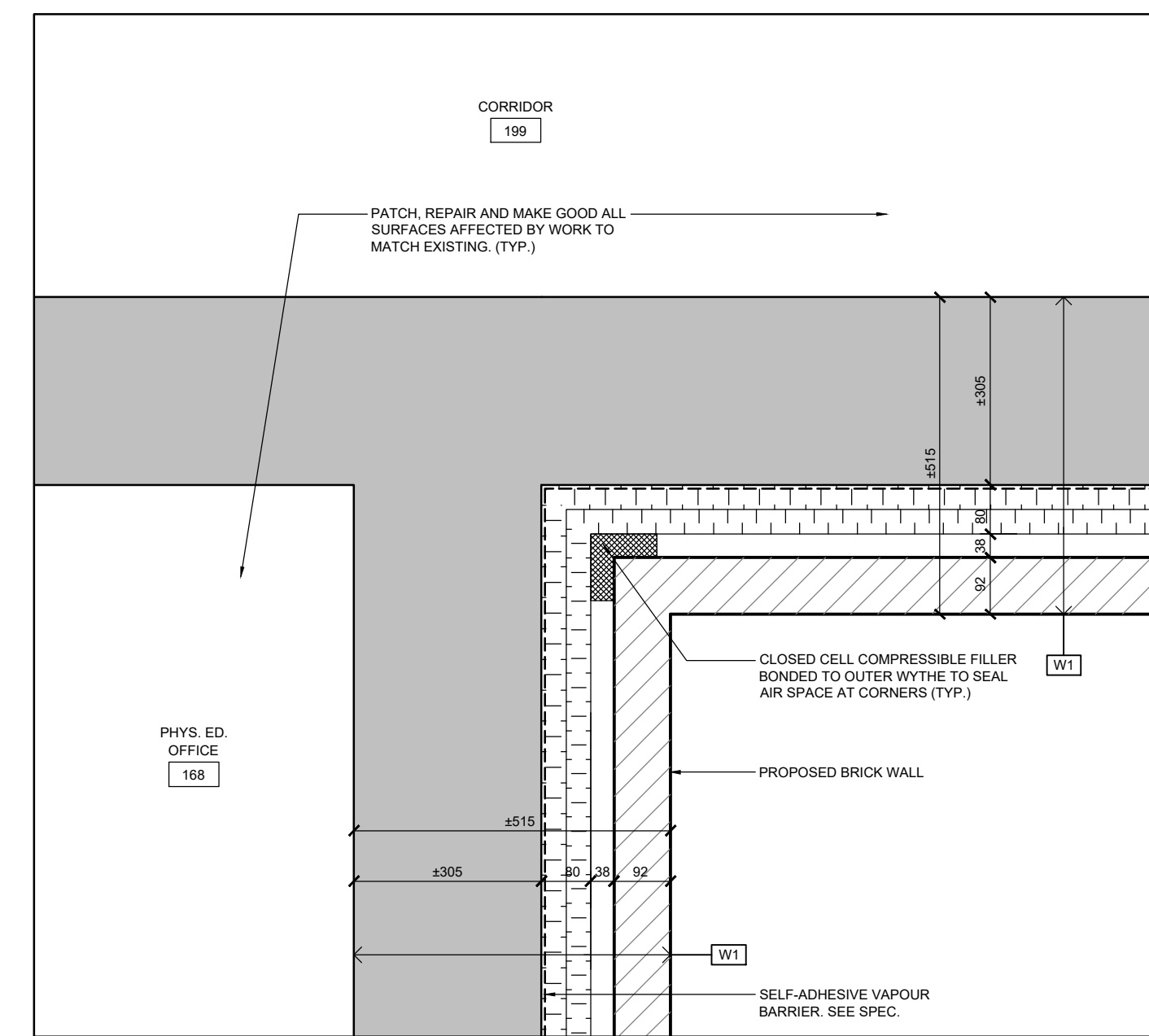
5 PLAN SECTION DETAIL
A607 / SCALE: 1:10



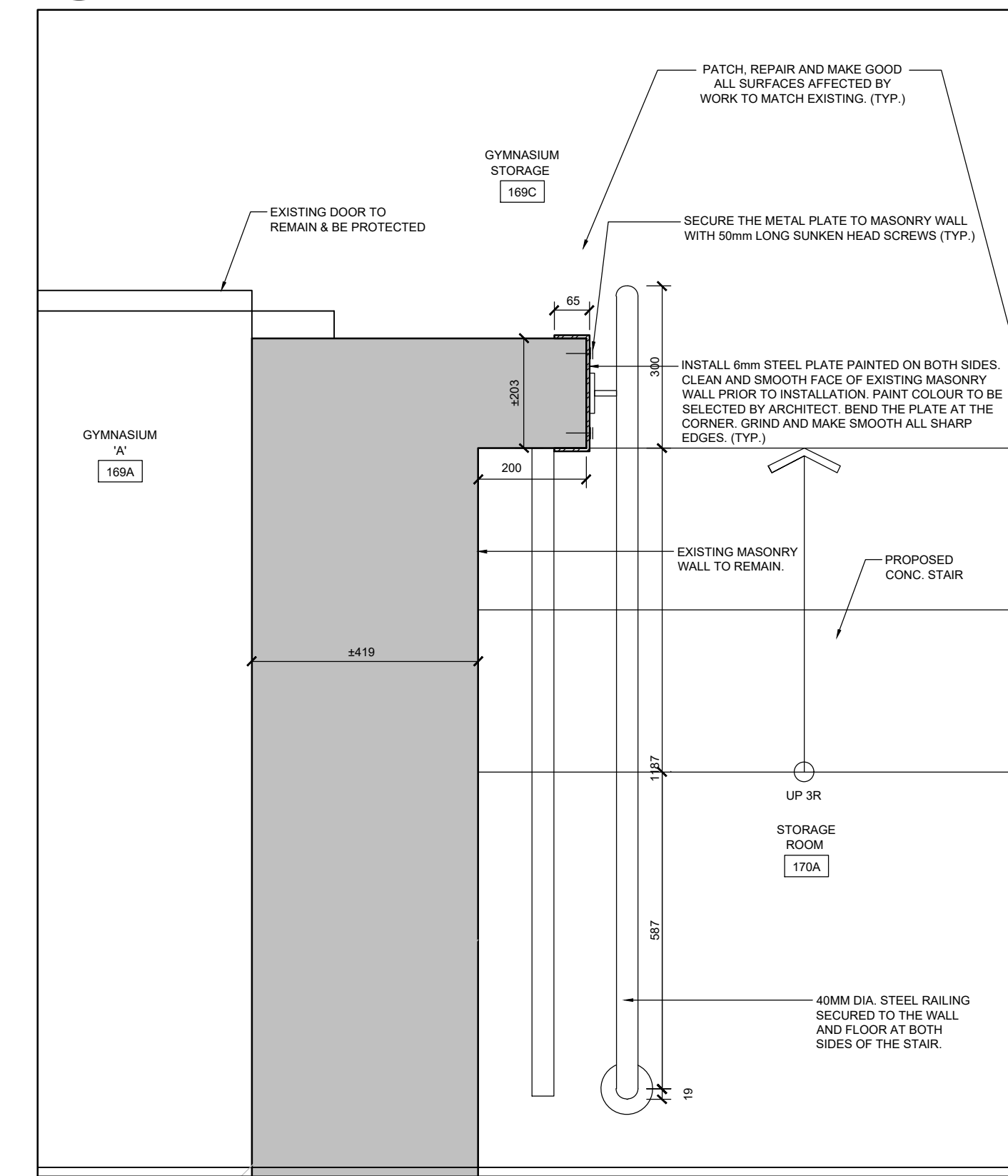
1 PLAN SECTION DETAIL
A607 / SCALE: 1:10



2 PLAN SECTION DETAIL
A607 / SCALE: 1:10



3 PLAN SECTION DETAIL
A607 / SCALE: 1:10



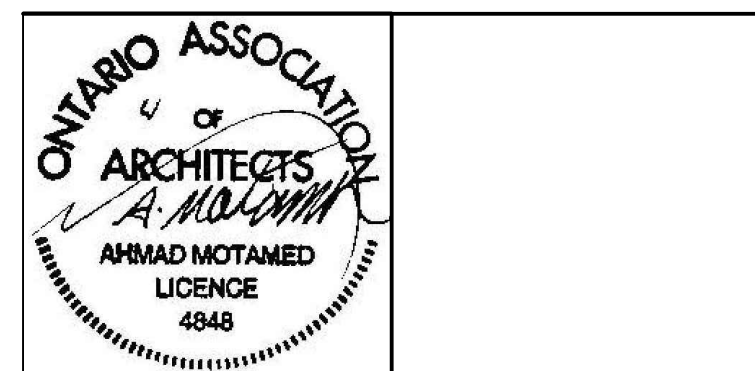
4 PLAN SECTION DETAIL
A607 / SCALE: 1:10

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 28, 2024
3	ISSUED FOR SPA	JANUARY 06, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

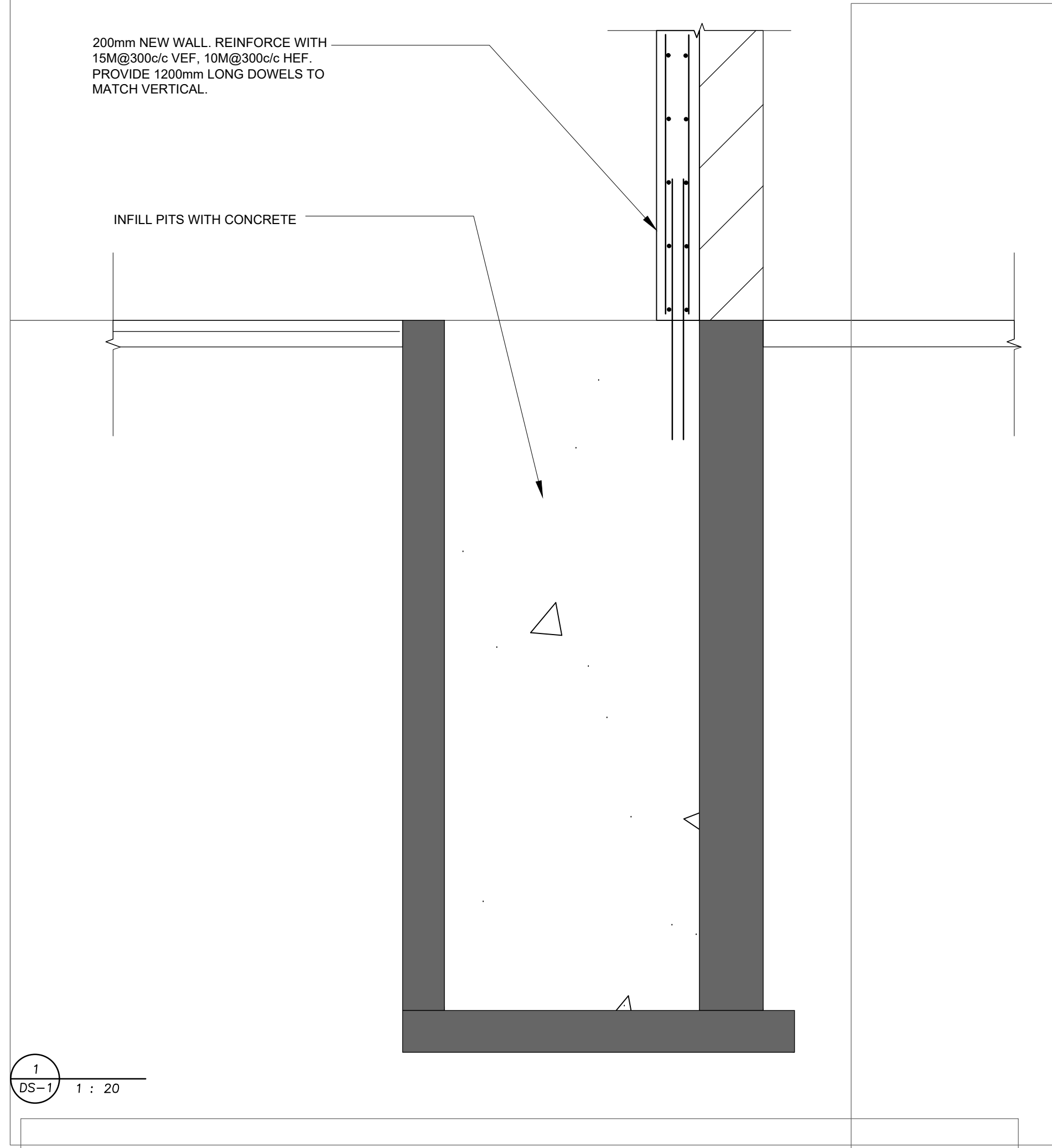
POOL DEMOLITION

Drawing Title
PLAN SECTION DETAILS

Graphic Scale AS SHOWN	Sheet no. A607
Drawn AK / VSP	Checked AM
CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.

200mm NEW WALL, REINFORCE WITH 15M@300c/c VEF, 10M@300c/c HEF. PROVIDE 1200mm LONG DOWELS TO MATCH VERTICAL.

INFILL PITS WITH CONCRETE



1 DS-1 1 : 20

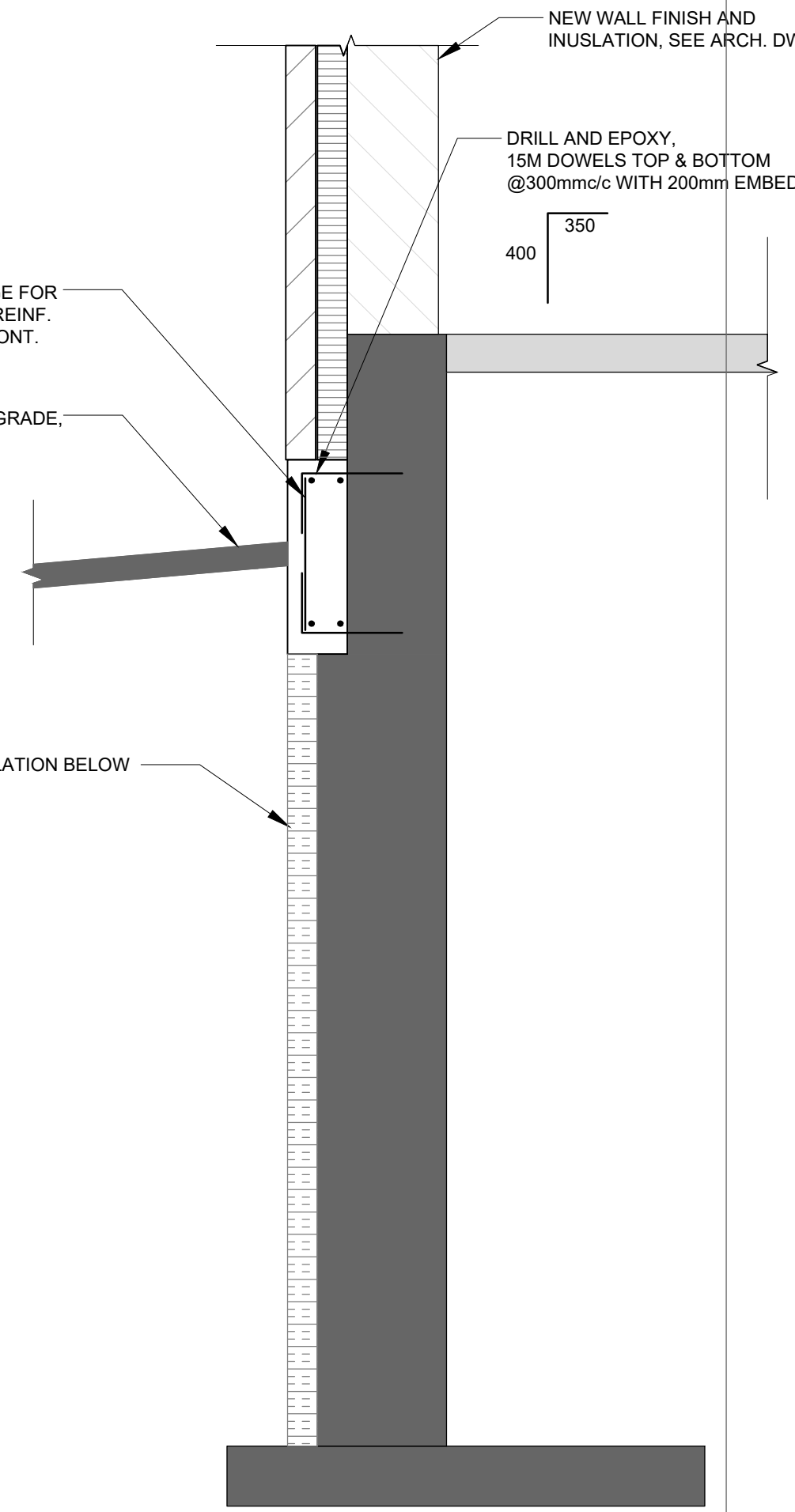
NEW WALL FINISH AND INSULATION, SEE ARCH. DWG.

DRILL AND EPOXY, 15M DOWELS TOP & BOTTOM @300mm/c WITH 200mm EMBED.

200mm WIDE LEDGE FOR BRICK SUPPORT, REINF. WITH 2-15M T&B CONT, 10M@600c/c VERT.

PROPOSED GRADE, SEE CIVIL.

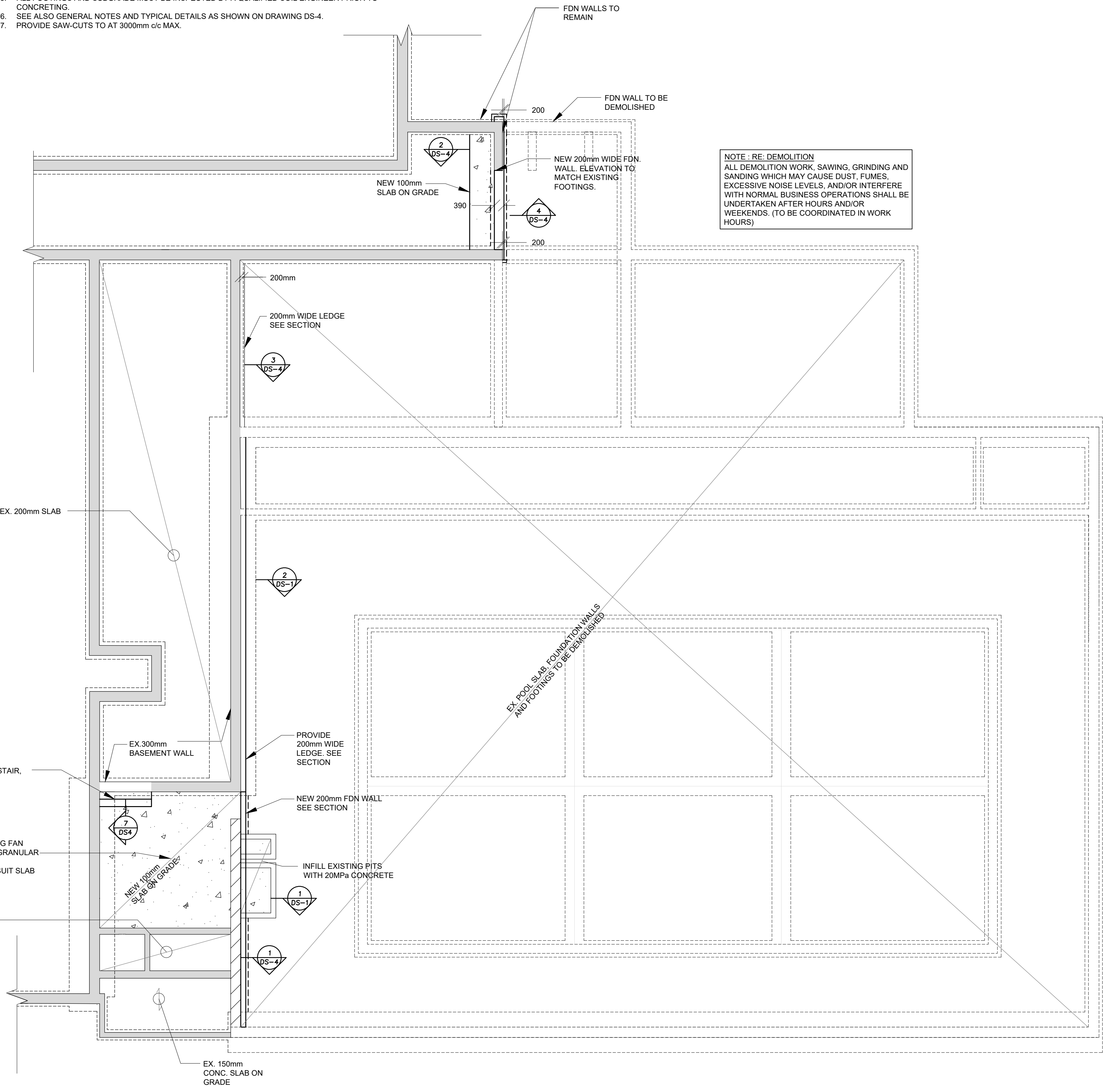
4" RIGID INSULATION BELOW BRICK LEDGE



2 DS-1 1 : 20

EX. FOUNDATION & GROUND FLOOR NOTES:

1. FINISHED FLOOR LEVEL IS AT ELEVATION AS NOTED ON ARCH. DWGS.
 2. ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATIVE MATERIAL CAPABLE OF WITHSTANDING A SAFE BEARING CAPACITY OF 50 KPa MIN. AT SERVICE LIMIT STATES AND 65 KPa AT ULTIMATE LIMIT STATES. TO BE CONFIRMED ON SITE BY THE SOILS CONSULTANT.
 3. CONCRETE STRENGTHS SHALL BE (AIR ENTRAINMENT AS REQUIRED BY CSA STD. FOR EXTERIOR CONCRETE):
 - * FOOTINGS & INTERIOR PIER -25 MPa (UN ON PLAN)
 - * FDN. WALLS -25 MPa (4 TO 7 % AIR, CLASS F2)
 - * INT. SLAB ON GRADE -25 MPa (**)
 - * EXT. CONC. SLAB, SIDEWALK & CURBS -32 MPa (5 TO 8% AIR, CLASS C2)
- (**) MIX DESIGN OF INTERIOR SLAB ON GRADE IS TO MINIMIZE SHRINKAGE CRACKING & IS TO SUIT CONSTRUCTION METHODS, ANTICIPATED WEATHER, ETC. IT IS RECOMMENDED THAT THE WATER CEMENT RATIO BE IN THE RANGE OF 0.5 TO 0.55.
4. PROVIDE 1-15M BAR 2'-6" RAST CORNERS AT SLAB OPENINGS ALL 4 SIDES.
 5. ALL FOOTINGS AND SUBGRADE MUST BE INSPECTED BY A QUALIFIED SOIL ENGINEER PRIOR TO CONCRETING.
 6. SEE ALSO GENERAL NOTES AND TYPICAL DETAILS AS SHOWN ON DRAWING DS-4.
 7. PROVIDE SAW-CUTS TO AT 3000mm c/c MAX.



NOTE: RE: DEMOLITION
ALL DEMOLITION WORK, SAWING, GRINDING AND SANDING WHICH MAY CAUSE DUST, FUMES, EXCESSIVE NOISE LEVELS, AND/OR INTERFERE WITH NORMAL BUSINESS OPERATIONS SHALL BE UNDERTAKEN AFTER HOURS AND/OR WEEKENDS. (TO BE COORDINATED IN WORK HOURS)

GROUND FLOOR AND FOUNDATION DEMOLITION PLAN
SCALE: 1:100

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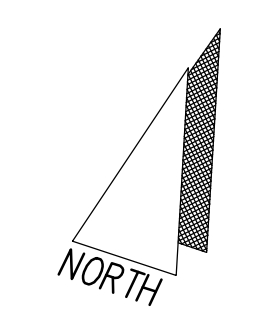
NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	MAR.26, 2024
3	ISSUED FOR PERMIT	JUL.19, 2023
2	ISSUED FOR COORDINATION	JUN.28, 2023
1	ISSUED FOR COORDINATION	MAR.01, 2023

REVISIONS / ISSUES

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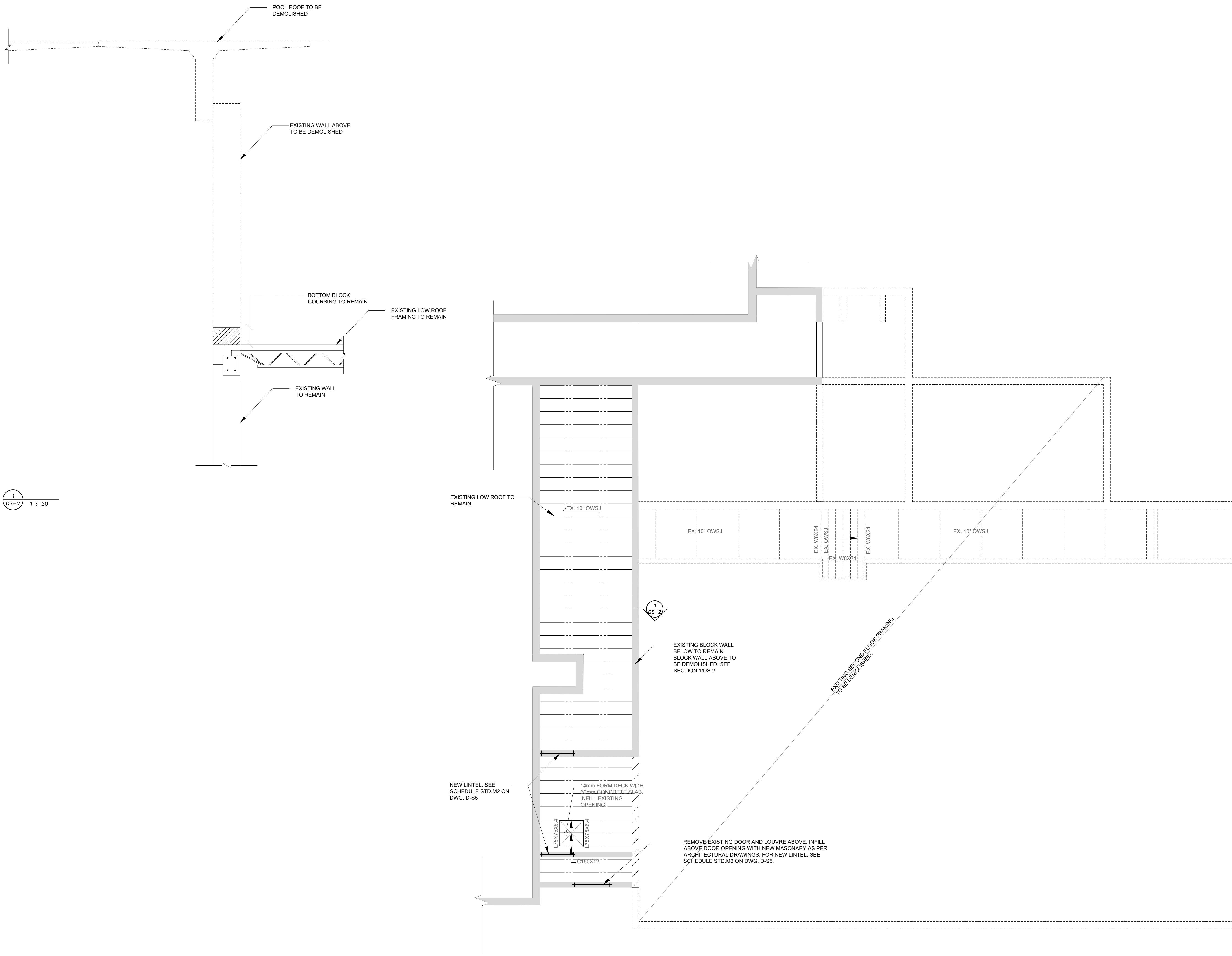


Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
FOUNDATION & GROUND FLOOR PLAN

Drawn	SVJ	Checked	RT	Sheet no.
Date	JAN,2023	Scale	As Shown	DS-1
		Project No.	220132	



1
DS-2
1 : 20

SECOND FLOOR FRAMING DEMOLITION PLAN
SCALE: 1:100

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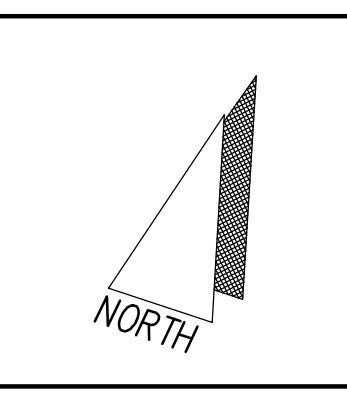
NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	MAR.26, 2024
3	ISSUED FOR PERMIT	JUL.19, 2023
2	ISSUED FOR COORDINATION	JUN.28, 2023
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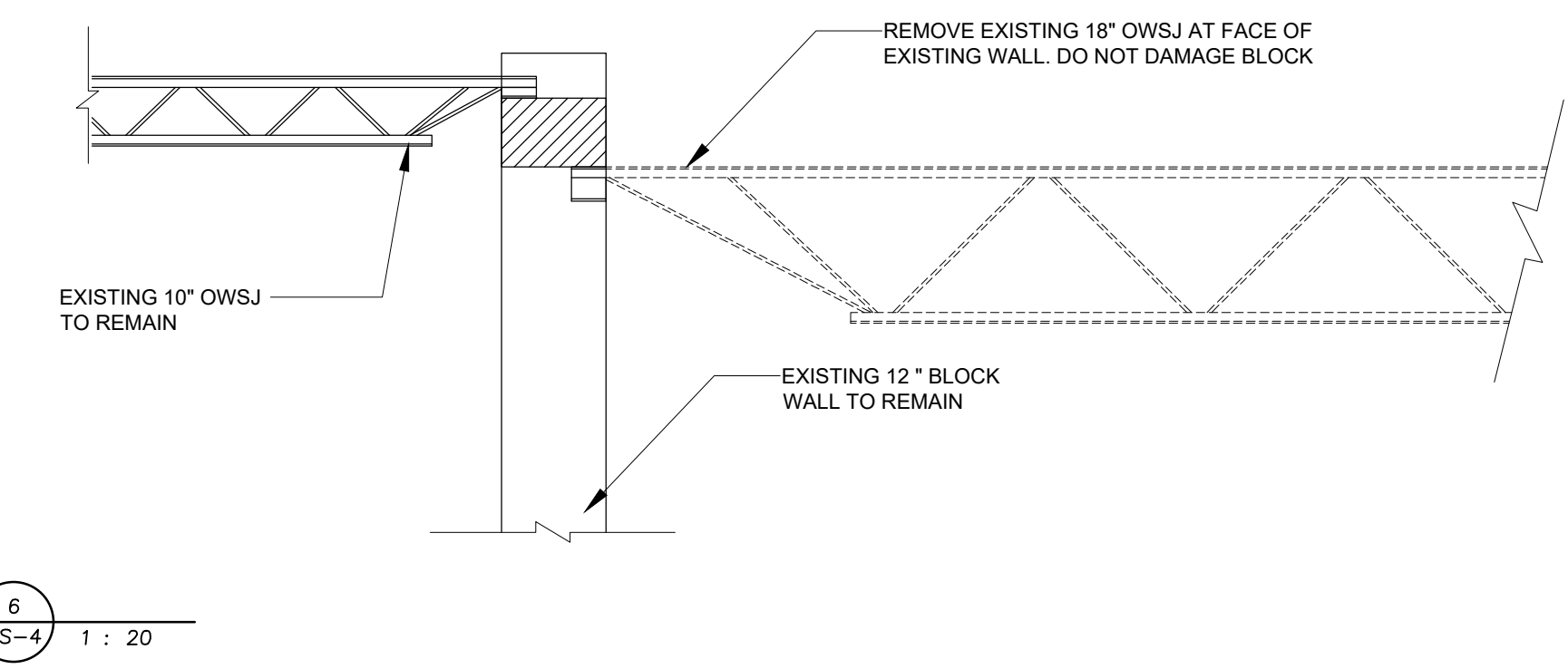


Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

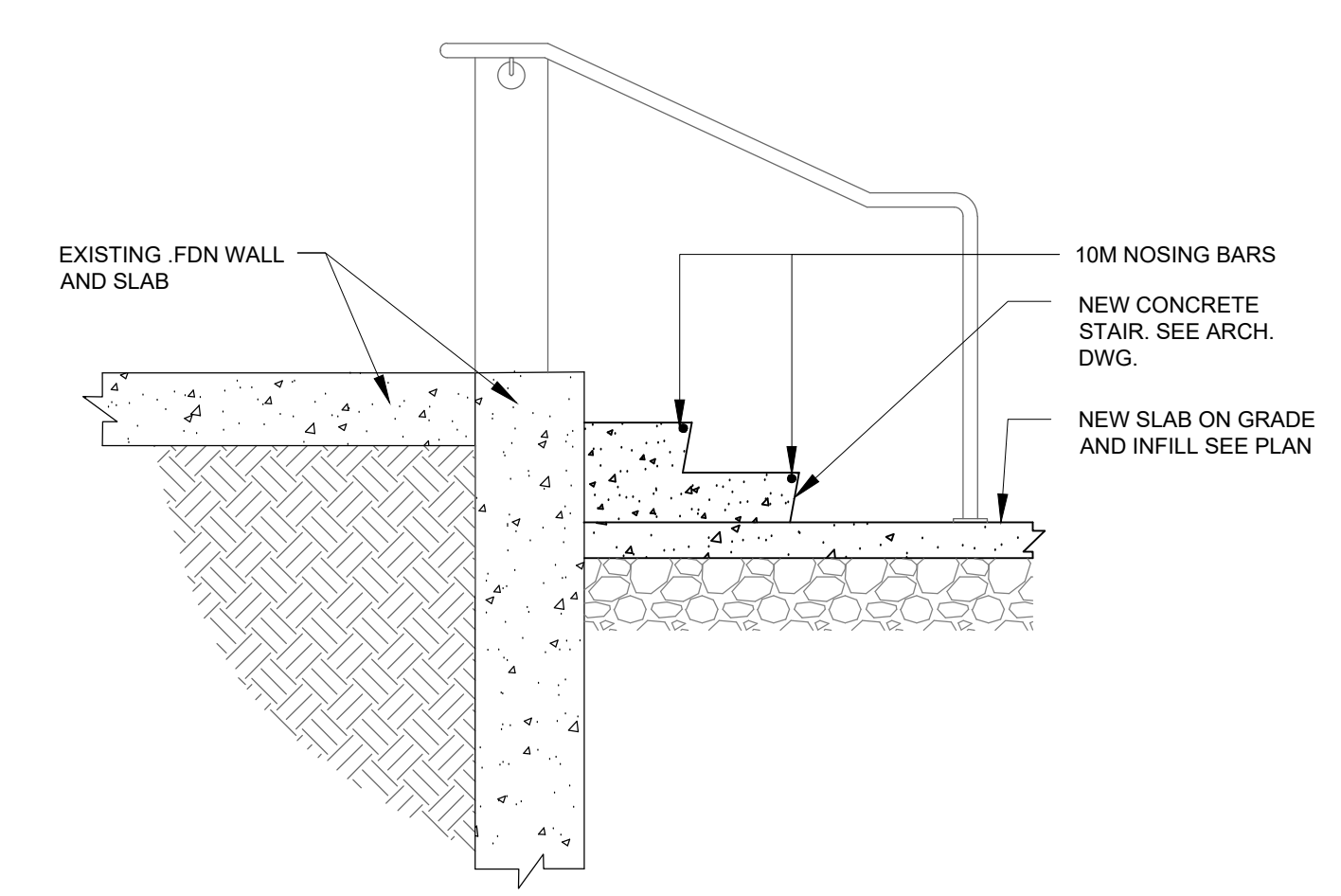
POOL DEMOLITION

Drawing Title
SECOND FLOOR FRAMING PLAN

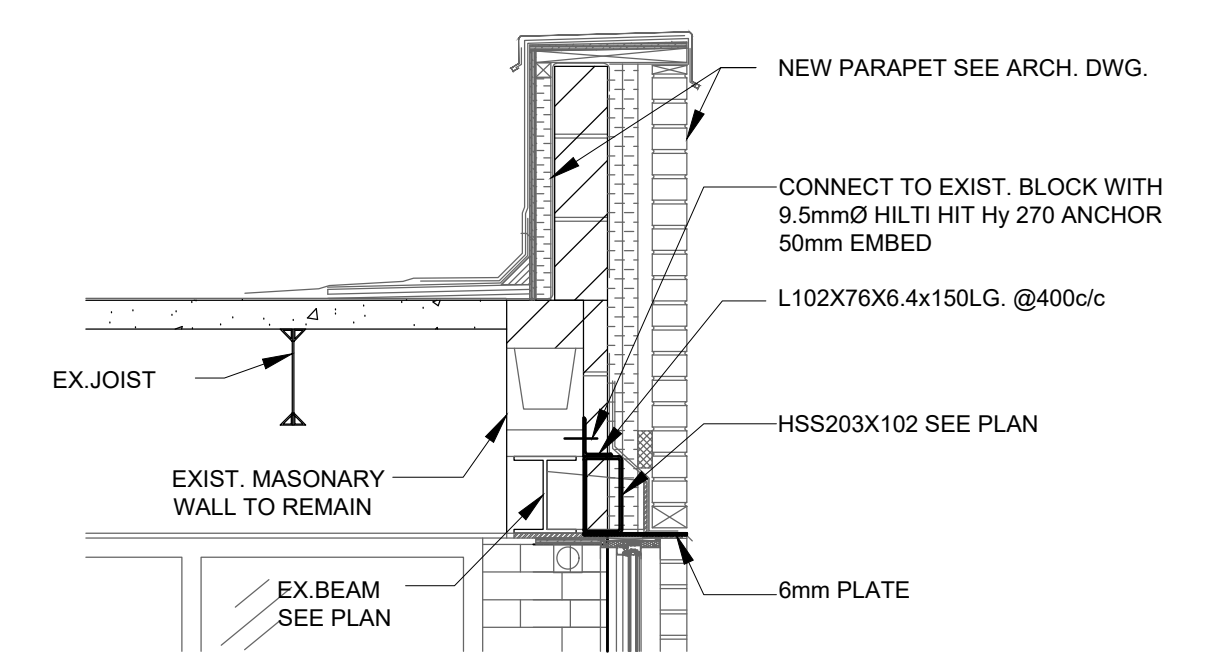
Drawn	SVJ	Checked	RT	Sheet no.
Date	JAN,2023	Scale	As Shown	DS-2
		Project No.	220132	



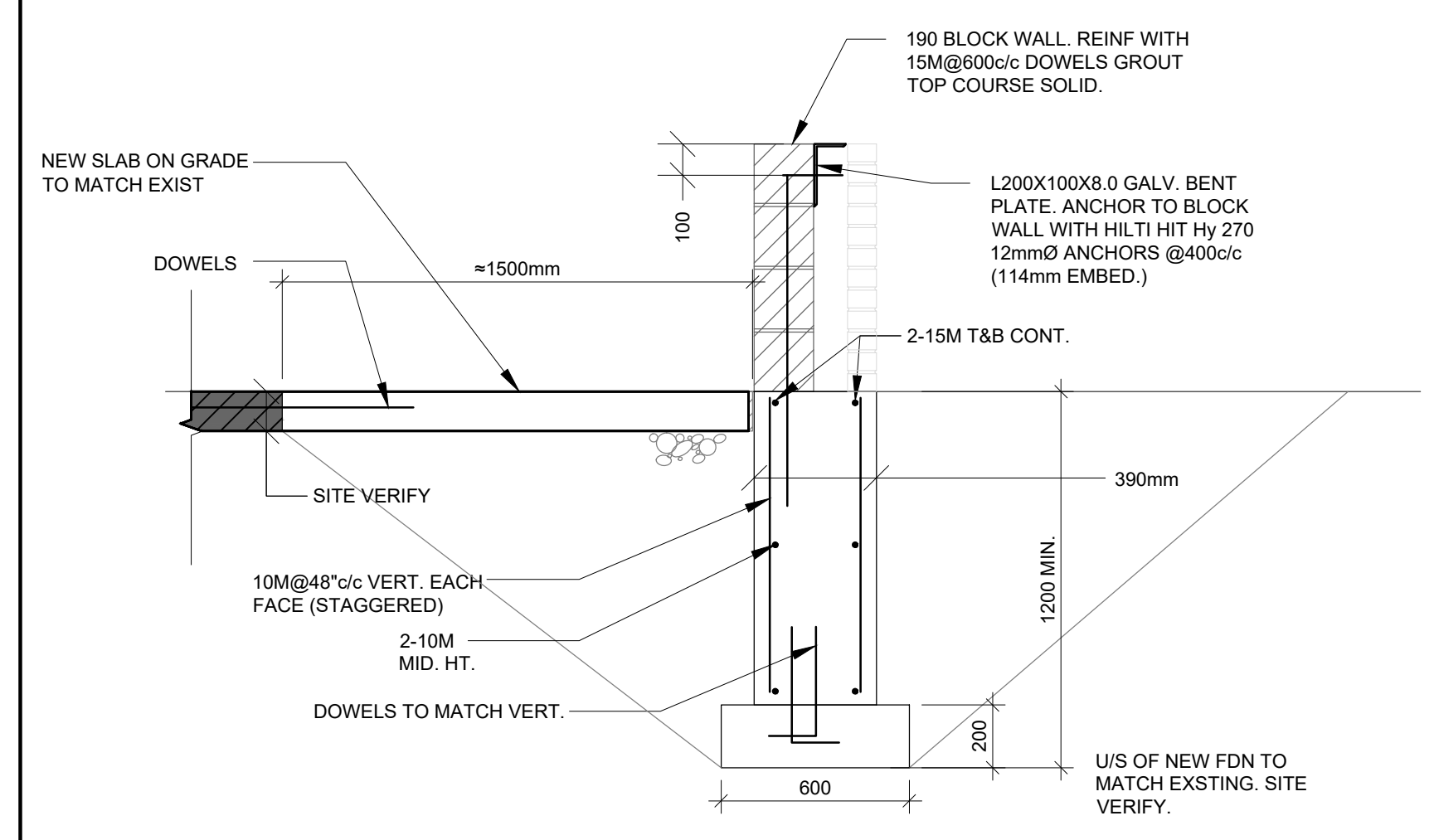
6
DS-4 1 : 20



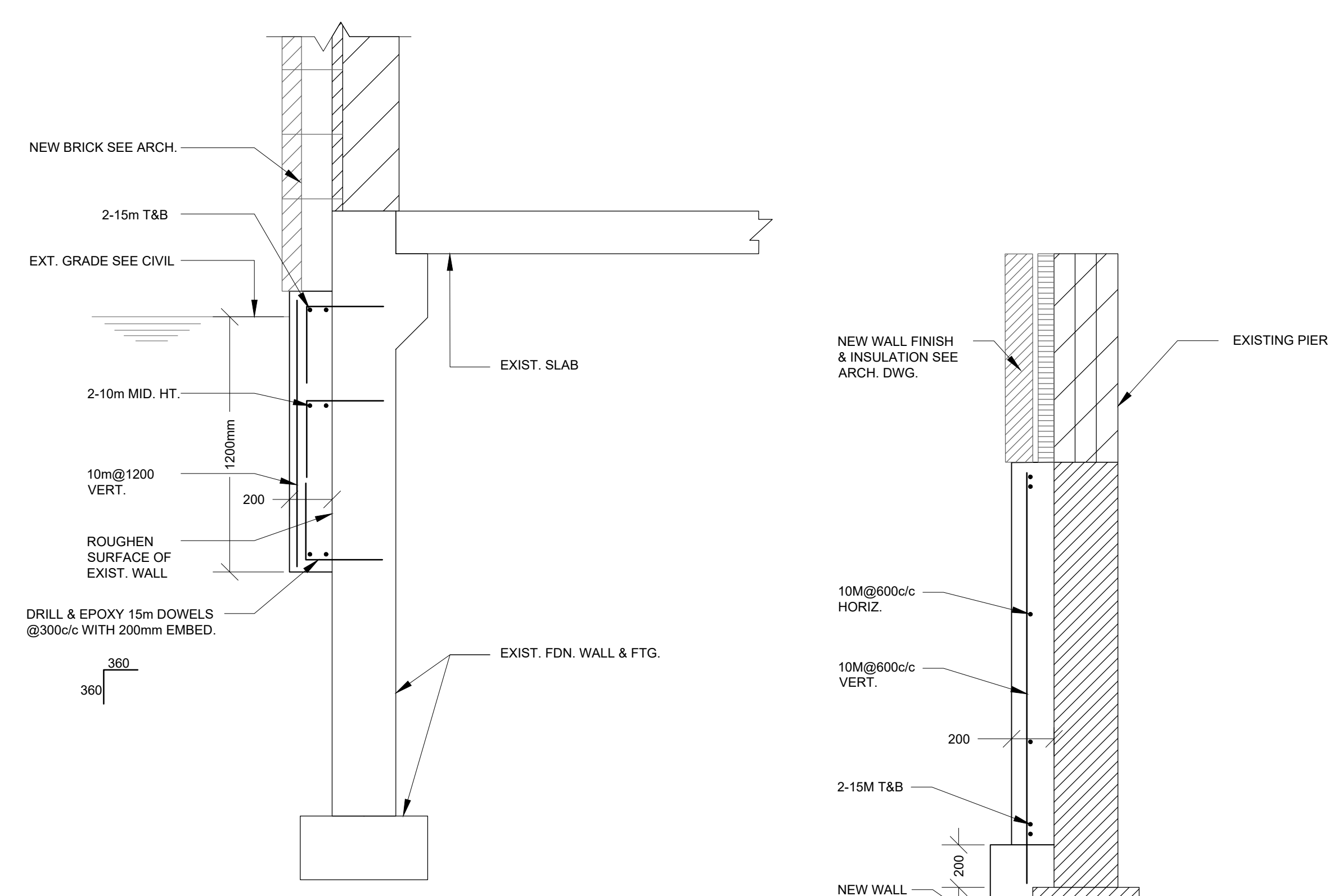
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DS-4 1 : 20



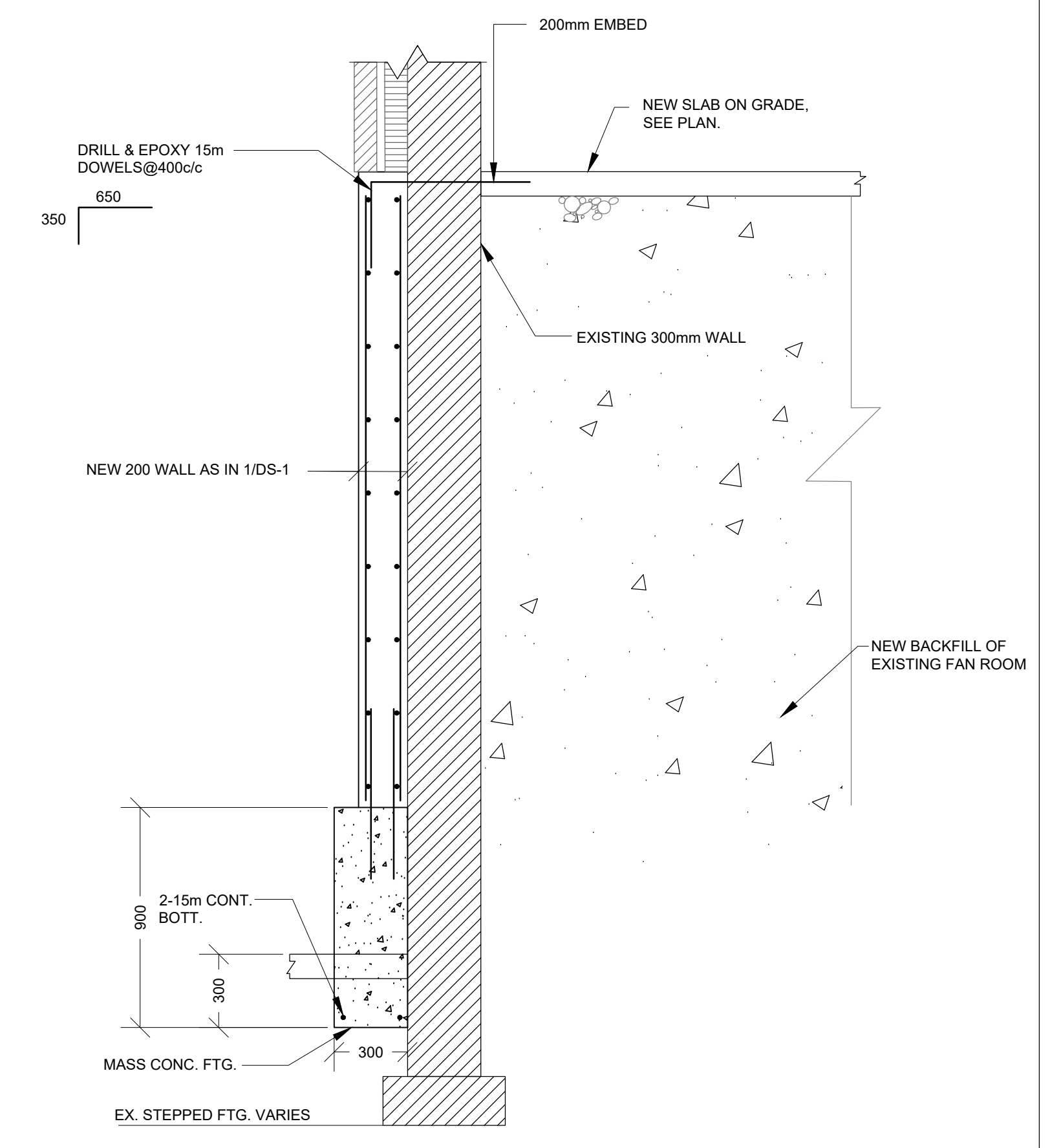
5
DS-4 1 : 20



4
DS-4 1 : 20



3
DS-4 1 : 20



1
DS-4 1 : 20

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NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	MAR 26, 2024
2	ISSUED FOR PERMIT	JUL 19, 2023
1	ISSUED FOR COORDINATION	JUN 28, 2023

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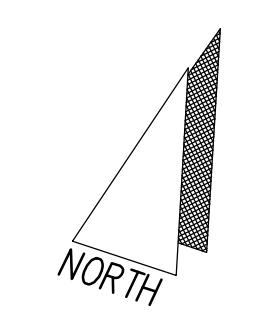
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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

Drawing Title
POOL DEMOLITION

SECTIONS

Drawn	SVJ	Checked	RT	Sheet no.
Date	JAN, 2023	Scale	As Shown	DS-4
		Project No.	220132	



GENERAL NOTES

1. GENERAL:

- ALL DIMENSION MUST BE VERIFIED ON SITE AND WITH PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT / DESIGN ENGINEER AS APPLICABLE.
- ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 ONTARIO BUILDING CODE AND ALL APPLICABLE PROVINCIAL, LOCAL AND MUNICIPAL REQUIREMENTS.

2. SPECIAL PROVISIONS:

- SUBSTITUTIONS ALLOWED UNLESS THE FOLLOWING ARRANGEMENTS ARE MADE.
 - WRITTEN PERMISSION OBTAINED FROM CONSULTANT.
 - CONTRACTOR ENSURES THAT SUBSTITUTIONS CAN BE BOTH PHYSICALLY AND DIMENSIONALLY INCORPORATED IN THE WORK WITH NO LOSS OF INTENDED FUNCTION OR CONSTRUCTION TIME AND AT NO ADDITIONAL COST TO THE OWNER.

3. REFERENCE STANDARDS:

- NATIONAL BUILDING CODE 2015
- ONTARIO BUILDING CODE 2012 AND ALL AMENDMENTS AS OF JAN. 2020
- ALL CSA CODES AND ASTM STANDARDS REFERRED TO BY THOSE EDITIONS AND REVISIONS OF CODES/STANDARDS REFERENCED IN ONTARIO BUILDING CODE 2012
- COMPLY WITH LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

4. LOADS:

- EXAMINE ALL DRAWINGS, SPECIFICATIONS AND REMAINING CONTRACT DOCUMENTS TO OBTAIN ALL APPLICABLE LOADS, REPORT DISCREPANCIES TO THE CONSULTANT.
- ALL DESIGN LOADINGS GIVEN ON THE DRAWINGS ARE SPECIFIED SERVICE LOADS, UNLESS NOTED.

5. ESTIMATING, CONTRACTUAL ARRANGEMENTS ETC.:

- VISIT THE SITE AND EXAMINE IT FOR ALL CHARACTERISTIC FEATURES AFFECTING NEW CONSTRUCTION.
- COMPARE EXISTING GRADE ELEVATIONS WITH THOSE SHOWN ON THE DRAWINGS.
- OBTAIN ALL DETAILS AND DIMENSIONS OF EXISTING WORK IN FIELD AND INCORPORATE SAME INTO NEW CONSTRUCTION.
- CHECK ALL DIMENSIONS, LEVELS AND DETAILS SHOWN ON STRUCTURAL DRAWINGS AGAINST ARCHITECTURAL, MECHANICAL, ELECTRICAL, LANDSCAPING AND OTHER RELEVANT DRAWINGS.
- REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE SUBMITTING THE TENDER PRICE.
- NO ALLOWANCE WILL BE MADE FOR DIFFICULTIES ENCOUNTERED OR EXPENSES INCURRED RESULTING FROM CONDITIONS CONSIDERED UNKNOWN AT THE TIME THE TENDERS ARE SUBMITTED.

6. DESIGN:

- ALL STRUCTURAL MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE, 2012
- ALL CONCRETE MEMBERS ARE DESIGNED IN ACCORDANCE WITH CSA A23.3-14 - DESIGN OF CONCRETE STRUCTURES USING LIMIT STATES DESIGN.
- ALL STRUCTURAL STEEL MEMBERS ARE DESIGNED IN ACCORDANCE WITH CSA S16-09 - DESIGN OF STEEL STRUCTURES.
- ALL CONCRETE BEAMS AND SLABS HAVE BEEN DESIGNED IN ACCORDANCE WITH ONTARIO BUILDING CODE WITH DEFLECTION CRITERIA CONFORMING TO SECTION 9.3 OF CSA A23.3 - "CONTROL OF DEFLECTIONS" TABLE 9.3. CONTRACTOR MUST ALLOW FOR SUCH DEFLECTIONS IN THE CONSTRUCTION OF ALL MASONRY WALLS.

7. CAST-IN-PLACE CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO C.S.A. STANDARDS A23.1-14, A23.2-14 & A23.3-14.
- NO SLEEVES, DUCTS, PIPES OR OTHER OPENINGS SHALL PASS THROUGH BEAMS OR COLUMNS, EXCEPT WHERE DETAILED ON DRAWINGS OR APPROVED BY CONSULTANT.
- DETAIL, FABRICATE AND PLACE ALL REINFORCEMENT IN CONFORMITY TO THE LATEST EDITION OF "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" BY REINFORCING INSTITUTE OF CANADA.
- ALL REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO C.S.A. G30.18 LATEST EDITION WITH MIN. YIELD STRENGTH OF 400 MPa. WELDED FABRIC SHALL CONFORM TO C.S.A. G30.5 LATEST EDITION (MIN. YIELD STRENGTH OF 440 MPa)
- SEE PLAN AND SPECIFICATION FOR CONCRETE STRUCTURE, AIR ENTRAINMENT AND MAX DESIGN REQUIREMENTS.
- AT OPENINGS IN ALL CONCRETE PROVIDE 2-15M TRIMMER BARS IN HEAD, JAMBS AND SILL UNLESS NOTED. OTHERWISE, REBAR TO EXTEND 750mm (30") PAST THE EDGE OF OPENING.
- HOUSEKEEPING PADING, EQUIPMENT BASES, LIGHT POLE BASES ETC., WHICH ARE DETAILED IN MECHANICAL AND ELECTRICAL DRAWINGS SHALL BE INCLUDED IN THIS SECTION. CO-ORDINATE WITH GENERAL CONTRACTOR FOR EXACT DETAILS.
- PROVIDE CONCRETE COVER TO REINFORCEMENT AS FOLLOWS:

LOCATION	EXPOSURE CLASS OF CONCRETE			
	INTERIOR CLASS N	F-1,F-2, S-1,S-2	C1 CON. WITHIN PROTECTING STRUCTURES (NOT PROTECTED BY MEMBRANE)	C-XL,C-1, C-3 (NOT PROTECTED BY MEMBRANE)
CAST AGAINST EARTH (NOT FORMED) INCLUDES UNLINED CAISSONS)	75mm	75mm		75mm
BEAMS, GRIDDERS, SLABS	30mm (32mm FOR 3hr FIRE RATING)	40mm	40mm (SEE NOTE 5)	60mm
WALLS	40mm TO HOR. 50mm TO VERT.	40mm TO HOR. 50mm TO VERT.	40mm TO HOR. 50mm TO VERT.	60mm
COLUMNS	40mm TO HOR. 50mm TO VERT.	40mm TO HOR. 50mm TO VERT.	40mm TO HOR. 50mm TO VERT.	60mm

8. STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL SHALL CONFORM TO EXTENSIONS (LATEST EDITIONS) AS FOLLOWS:
 - ROLLED WF: WWF-CSA G40.21 GRADE 350W OR ASTM A572 OR A992 GRADE 50
 - CHANNELS, ANGLES: CSA G40.21 GRADE 300W
 - HSS: CSA G40.21 GRADE 350W (CLASS C) OR ASTM A570 GRADE C
- FABRICATION AND ERECTION SHALL CONFORM TO C.S.A. STANDARDS CSA S16-09.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN COMPLIANCE WITH CSA STANDARD W47.1 LATEST EDITION AND IN ACCORDANCE WITH CSA STANDARD W59 LATEST EDITION.
- PROVIDE WELDED OR BOLTED CONNECTIONS TO RESIST THE REACTIONS PRODUCED BY THE FRAMING AND LOAD CONDITIONS.
- ALL BOLTS EXCEPT HIGH STRENGTH COMPLYING WITH ASTM F3125 - GRADE A325M OR GRADE A490M BOLTS EXCEPT CSA G40.21 GRADE 300W OR ASTM A36 FOR ANCHOR RODS.
- TO ALL NEW STRUCTURAL STEEL, PROVIDE ONE SHOP COAT OF PRIME PAINT COMPLYING WITH GCSOCPMA STANDARD 173a.
- SUBMIT ERECTION AND DETAIL DRAWINGS FOR REVIEW BEFORE FABRICATION.
- PROVIDE ADJUSTABLE MASONRY ANCHORS WELDED TO STEEL COLUMNS WHERE MASONRY TIES INTO COLUMNS, AS PER TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING FABRICATION OF STEEL WORK.
- CLEAN ALL FIELD WELDS AFTER ERECTION, AND TOUCH UP WITH PRIME PAINT.
- PROVIDE ZINC-RICH PAINT CONFORMING TO CANCS85.1:191-99 TO ALL STEEL EXPOSED TO WEATHER UNLESS GALVANIZING NOTED ON DRAWINGS.
- GALVANIZING, IF USED, SHALL BE IN COMPLIANCE WITH C.S.A. STANDARDS CANCSA C164- HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES.
- DO NOT PAINT STEEL WHICH IS TO BE ENCASED IN CONCRETE OR TO RECEIVE SPRAY FIREPROOFING. REMOVE PAINT FROM EXISTING STEEL SURFACES WHICH ARE TO BE FIELD WELDED.
- INSPECTION OF STRUCTURAL STEEL SHALL BE DONE BY A QUALIFIED TESTING COMPANY IN ACCORDANCE WITH THE SPECIFICATIONS.

9. TEMPORARY SUPPORTS & STRUCTURE:

- THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN, ERECTION, OPERATION, MAINTENANCE AND REMOVAL OF TEMPORARY SUPPORTS, TEMPORARY BRACINGS, SHORING SYSTEM, STRUCTURES AND FACILITIES AND THE DESIGN AND EXECUTION OF CONSTRUCTION METHODS REQUIRED IN THEIR USE.
- THE CONTRACTOR SHALL ENGAGE AND PAY FOR REGISTERED PROFESSIONAL ENGINEERING PERSONNEL, SKILLED IN THE APPROPRIATE DISCIPLINES TO PERFORM THOSE FUNCTIONS REFERRED TO IN PARAGRAPH 3 ABOVE OR IN ALL CASES WHERE SUCH TEMPORARY SUPPORTS, STRUCTURES, AND FACILITIES AND THEIR METHOD OF CONSTRUCTION ARE OF SUCH A NATURE THAT PROFESSIONAL ENGINEERING SKILL IS REQUIRED TO PRODUCE SAFE AND SATISFACTORY RESULTS.

10. TEMPORARY WORK:

- PROVIDE ALL ADEQUATE SHORING FOR THE SAFE COMPLETION OF THE WORK. ASSUME RESPONSIBILITY TO DESIGN AS WELL AS TO ERECT, MAINTAIN AND EVENTUALLY REMOVE ALL THE TEMPORARY WORKS NECESSARY FOR CARRYING OUT OF THIS CONTRACT.
- MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION STRESSES AND FOR SUFFICIENT TEMPORARY BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT AT ALL PHASES OF 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.
- 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 THIS PURPOSE. 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.

11. SHOP DRAWING:

- SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS. OBTAIN REVIEWED SHOP DRAWINGS BEFORE PROCEEDING WITH FABRICATION.
- EACH OF THE FOLLOWING SHOP DRAWINGS MUST BEAR THE SIGNATURE AND STAMP OF QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF PROJECT LOCATION.
 - DRAWINGS FOR ANY TEMPORARY WORK.
 - DRAWINGS FOR ANY STRUCTURAL PARTS DESIGNED BY THE CONTRACTOR'S STRUCTURAL STEEL ERECTION AND DETAIL FABRICATION SHOP DRAWINGS.
- EVERY SHOP DRAWING AND BAR LIST MUST BE CHECKED IN DETAILING OFFICE BEFORE IT IS ISSUED FOR REVIEW BY THE CONSULTANT. SHEETS THAT ARE NOT SIGNED BY THE CHECKER WILL NOT BE REVIEWED.

12. POST INSTALLED ANCHORS:

- ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED FOR COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
- THE CONTRACTOR SHALL ARRANGE AN MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
- ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS. BY HILTI FERROSCAN, HILTI PS 180, OR X-RAY CHIPPING OR OTHER MEANS (SEE SPECIFICATION CPE FOR ANY CONDITIONS WHERE ANCHORS MUST BE RELOCATED TO CLEAR EXISTING REBAR.
- EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI (CANADA) CORP. CONTACT HILTI AT (800) 363-4888 FOR PRODUCT RELATED QUESTIONS.
 - REBAR DOWELING INTO CONCRETE
 - ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
 - HILTI ANCHORS AS INDICATED ON DRAWING. CONTACT CPE FOR ANY CONDITIONS NOT SPECIFIED ON DRAWING.
 - ANCHORAGE TO SOLID GROUDED MASONRY
 - ADHESIVE ANCHORS USE
 - HILTI HT-170 MASONRY ADHESIVE ANCHORING SYSTEM
 - STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-5 CONTINUOUSLY THREADED ROD OR CONTINUOUSLY THREADED BAR.
 - MECHANICAL ANCHORS USE
 - HILTI ANCHORS AS INDICATED ON DRAWING. CONTACT CPE FOR ANY CONDITIONS NOT SPECIFIED ON DRAWING.
 - ANCHORAGE TO HOLLOW/MULTI-WYTHE MASONRY
 - ADHESIVE ANCHORS USE
 - HILTI HT-170 MASONRY ADHESIVE ANCHORING SYSTEM
 - STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-5 CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR
 - THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION

- ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
 - HILTI ANCHORS AS INDICATED ON DRAWING. CONTACT CPE FOR ANY CONDITIONS NOT SPECIFIED ON DRAWING.
- ANCHORAGE TO SOLID GROUDED MASONRY
 - ADHESIVE ANCHORS USE
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 - MECHANICAL ANCHORS USE
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 - THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION

13. MASONRY:

- ALL MASONRY WORK SHALL CONFORM TO ONTARIO BUILDING CODE LATEST EDITION AND C.S.A. STANDARDS 294.1-14 "DESIGN OF MASONRY STRUCTURES"
- ALL CONCRETE MASONRY UNITS SHALL CONFORM TO C.S.A. STANDARDS A165 SERIES-04 EXCEPT WHERE OTHERWISE SPECIFIED. PROVIDE MASONRY BLOCK WITH MINIMUM COMPRESSIVE STRENGTH OF 2750 PSI (19 MPa)
- REFER TO ARCH. DWG. & SPECIFICATION FOR BRICK REQUIREMENTS MINIMUM IS CONFORMANCE TO CANCSA 812.
- ALL LOAD BEARING MASONRY AND FOUNDATION WALLS SHALL HAVE "S" MORTAR CONFORMING TO CSA STANDARD A178.
- THE CONTRACTOR SHALL NOT CUT NOTIONAL HOLES THROUGH MASONRY BEARING WALLS OTHER THAN THE HOLES SHOWN ON THE STRUCTURAL DRAWINGS UNLESS APPROVED BY THE CONSULTANT.
- BEARING OF BEAMS ON MASONRY WALLS:
 - BRICK WALLS: BEARING SHALL BE ON BRICK LAD INCEMENT MORTAR.
 - BLOCK WALLS: BEARING SHALL BE ON 100% SOLID UNITS LAD IN CEMENT MORTAR WITH LENGTH EQUAL TO TWICE THE LENGTH OF BEARING CONCRETE SLAB NOT GREATER THAN 50mm (2") HAVING A MINIMUM BEARING OF 120mm (4-3/4"). SLABS EXCEEDING 150mm (6") IN THICKNESS SHALL HAVE A MINIMUM BEARING OF 200mm (8").
- FILL ALL CELLS CONTAINING ANCHORS OR REINFORCEMENT WITH 20 MPa CONCRETE.
- CONCRETE (8") MIN. BEARING FOR LINTELS.
- PROVIDE MASONRY TIES & LATERAL REINFORCEMENT IN ACCORDANCE WITH REFERENCE STANDARD AND/OR AS SHOWN ON DRAWINGS.
- LINTELS
- OVER ALL OPENINGS IN MASONRY WALLS, UNLESS OTHERWISE SHOWN ON DRAWINGS, PROVIDE LINTELS AS SHOWN ON STDM.
- BUILD MASONRY TIGHT TO BEAM WEB AT BEAM BEARINGS.
- PROVIDE FULL MORTAR BEDS, INCLUDING FACE SHELL AND CROSS WEBS AT ALL HORIZONTAL JOINTS.
- PROVIDE MASONRY REINFORCEMENT OF GALVANIZED LADDER TYPE 80mm (3") NARROWER THAN WALL THICKNESS, FABRICATED FROM WIRE AND CONFORMING TO CSA STANDARD CSA A378-04. PROVIDE REINFORCEMENT AS NOTED IN ON DWS. AND IN THE FIRE RATED BED JOINTS IMMEDIATELY ABOVE AND BELOW WALL OPENINGS, AND EXTENDING 200mm (8"). DO NOT EXTEND REINFORCEMENT THROUGH CONTROL JOINTS. USE PREFABRICATED CORNER PIECES, PROVIDE 1-15M TIES AT ALL WALL INTERSECTIONS.

14. DEMOLITION WORK:

- AFTER EXISTING STRUCTURAL STEEL ELEMENTS HAVE BEEN REMOVED, ALL EXISTING CONNECTION DETAILS (ANGLES, CLIPS, ETC) MUST BE REMOVED, GRIND SMOOTH AND REPAIR/REPLACE AS SHOWN ON STDM.
- CONTRACTOR MUST PROVIDE ALL NECESSARY AND ADEQUATE TEMPORARY BRACING TO MAINTAIN STABILITY OF EXISTING BUILDING UNTIL NEW WORK SHOWN ON THESE DRAWINGS IS COMPLETED.
- THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN, ERECTION, OPERATION, MAINTENANCE, AND REMOVAL OF TEMPORARY SUPPORTS, TEMPORARY BRACINGS AND SHORING SYSTEM, STRUCTURES AND FACILITIES AND THE DESIGN AND EXECUTION OF CONSTRUCTION METHODS REQUIRED IN THEIR USE IN ORDER TO CARRY OUT THIS WORK.
- THE CONTRACTOR SHALL ENGAGE AND PAY FOR REGISTERED PROFESSIONAL ENGINEERING PERSONNEL, SKILLED IN THE APPROPRIATE DISCIPLINES TO PERFORM THOSE FUNCTIONS REFERRED TO IN PARAGRAPH 3 ABOVE, AND IN ALL CASES WHERE SUCH TEMPORARY SUPPORTS, STRUCTURES, AND FACILITIES AND THEIR METHOD OF CONSTRUCTION ARE OF SUCH A NATURE THAT PROFESSIONAL ENGINEERING SKILL IS REQUIRED TO PRODUCE SAFE AND SATISFACTORY RESULTS. THIS SPECIFICATION IS PRIMARILY FOR DEMOLITION OF STRUCTURAL WORK ONLY. IN CASE OF DISCREPANCY WITH ARCHITECTURAL SPECIFICATIONS/DRAWINGS, ARCHITECTURAL COVERS EXCEPT WHERE STRUCTURAL SAFETY IS IN DOUBT, THEN THE ENGINEER MUST BE CONSULTED BEFORE PROCEEDING WITH WORK.
- PERFORM DEMOLITION WORK IN ACCORDANCE WITH REQUIREMENTS OF CSA STANDARD S350M, CODE OF PRACTICE FOR SAFETY, DEMOLITION OF STRUCTURES; AND HEALTH AND SAFETY ACT, OF THE PROVINCE OF ONTARIO, AND AS OTHERWISE REQUIRED BY JURISDICTIONAL AUTHORITIES TO SAVE PERSONS AND PROPERTY FROM HARM RESULTING FROM WORK OF THIS SECTION.
- EXAMINE ALL EXISTING CONDITIONS AND ASSUME RESPONSIBILITY FOR PARTIAL DEMOLITION OF STRUCTURES.
- BEFORE COMMENCING WORK, ENSURE IN EXAMINATION OF THE SITE AND WORK TO BE DEMOLISHED THAT ALL POSSIBLE FACTORS CONCERNING DEMOLITION ARE INVESTIGATED.

CLIMATIC DESIGN DATA (MISSISSAUGA, ON)

WIND PRESSURE	$q_{30} = 0.4 \text{ kPa}$
SEISMIC DATA	$S_{0.2} = 0.0$
	$S_{0.5} = 0.0$
	$S_{1.0} = 0.0$
	$S_{2.0} = 0.0$
	$P_{GA} = 0.0$
SNOW	$S_s = 0.4 \text{ kPa}$ $S_i = 0.4 \text{ kPa}$
1 DAY RAIN	— mm

WIND BEARING STEEL STUD SPECIFICATION

STD.S10

STEEL STUD SYSTEM SPECIFICATION

- #### A. DESIGN

 - THESE NOTES AND DRAWINGS APPLY SPECIFICALLY TO THE METAL STUD FRAMING COMPONENT OF THE EXTERIOR WALLS. THESE NOTES MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - ALL STEEL FRAMING SYSTEM TO CONFORM WITH ASTM A832/A832M-12, HOT DIP GALVANIZED.
 - THE DESIGN WIND LOADING IS AS DETERMINED BY O.B.C. REQUIREMENTS, AND SHOULD BE A MINIMUM OF 1.0 kN/m² (21 PSF). THE DESIGN DEFLECTION LIMIT IS 1/360 OF SPAN OF STUD UNDER DESIGN WIND LOADS.
 - THE MINIMUM BASE METAL THICKNESS FOR ALL EXTERIOR METAL WALL COMPONENTS, EXCLUDING COATINGS ARE AS NOTED ON DRAWINGS AND SPECIFICATION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF PROJECT LOCATION, FOR ALL STEEL STUD WALLS TO CONSULTANT FOR REVIEW.

B. MATERIALS

 - STUD SECTION: SIZE AS SHOWN ON DRAWINGS, MINIMUM GAUGE PER SPECIFICATION.
 - BRIDGING CHANNEL-18 GA. CONTINUOUS, CONNECTED TO STUDS WITH ANGLE CLIPS SUITABLE FOR APPLICATION, AT MAX. 5'-0" (1500mm) CENTRE-CENTRE.
 - USE MASONRY TIES AS PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
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 - THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION

C. INSTALLATION

 - CONNECTIONS SHALL BE ACCOMPLISHED BY GALVANIZED TIES AS SHOWN ON DRAWINGS. ALL CONNECTIONS USED IN ASSEMBLIES SHALL BE OF CORROSION RESISTANT MATERIAL COMPATIBLE WITH GALVANIZED COATING. NO OTHER SUBSTITUTIONS ALLOWED.
 - PROVIDE DOUBLE STUDS AT EACH SIDE OF WINDOW OPENINGS.
 - ALL WINDOWS SHALL BE ATTACHED TO THE STEEL STUD WALL.
 - PROVIDE VERTICAL MOVEMENT JOINTS TO ALLOW FOR ROOF/FLOOR BEAM DEFLECTION.
 - CUTTING OF STEEL STUD FRAMING MEMBERS SHALL BE BY SAW OR SHEAR.
 - SPLICING OF STUDS OR TRACK IS NOT PERMITTED.
 - BRIDGING SHALL BE OF SIZE, SPACING AND TYPE SHOWN ON THESE DRAWINGS AND SHALL BE INSTALLED SO AS TO PROVIDE RESISTANCE TO MINOR AXIS BENDING AND ROTATION OF WALL STUDS.
 - TEMPORARY BRACINGS SHALL BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.

D. TOLERANCES

 - VERTICAL ALIGNMENT (PLUMBNESS) OF STUDS SHALL BE WITHIN 1/500 OF THE SPAN.
 - MASONRY ALIGNMENT (LEVELNESS) OF WALLS SHALL BE WITHIN 1/1000 OF THEIR RESPECTIVE LENGTHS.
 - SPACING OF STUDS SHALL BE WITHIN ±3mm FROM DESIGN SPACING PROVIDED THAT THE CUMULATIVE ERROR DOES NOT EXCEED THE REQUIREMENTS OF THE FINISHING MATERIALS.
- #### PARAMETER FOR EXTERIOR METAL STUD WALL DESIGN

$q_{30} = 0.4 \text{ kPa}$ (SEE CLIMATIC DATA)

MAX DEFLECTION-VERT SPAN/360

WIND PRESSURE SHALL BE IN ACCORDANCE WITH OBC OR NBC COMMENTARY

TYPICAL LINTELS

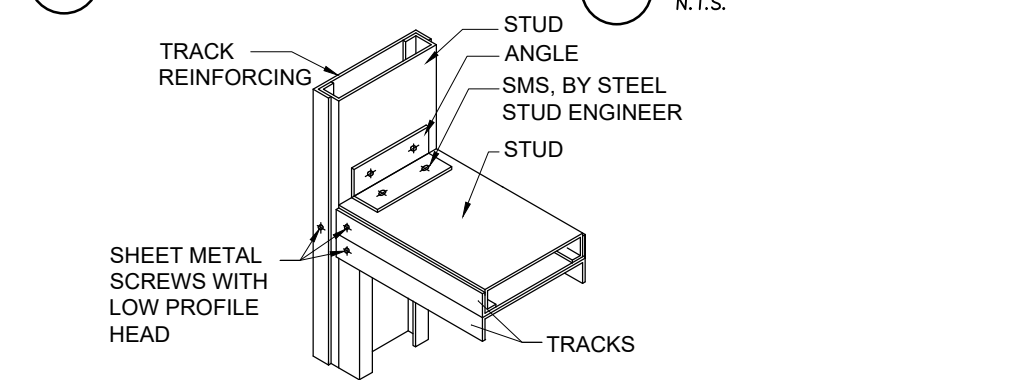
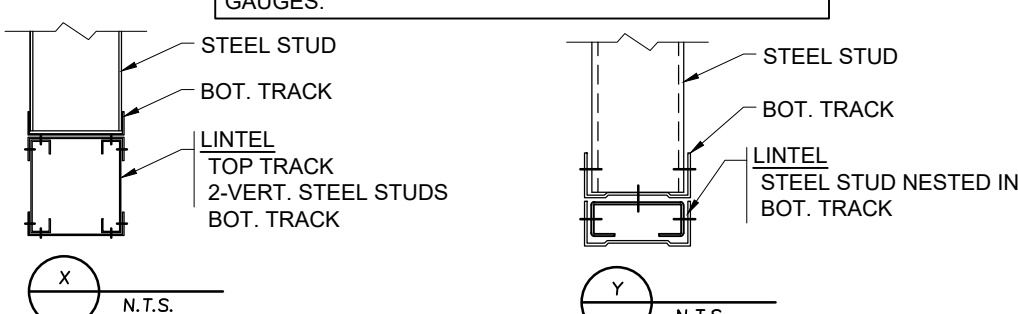
STD.S10C

STEEL STUD LINTELS AND BRICK LOOSE LINTELS

LINTEL SCHEDULE		
MAX. LENGTH	BRICK VENEER	SUGGESTED STEEL STUD CONFIGURATION
1200	190x90x8	SEE Y
1800	1100x100x8	SEE X
2400	1125x90x10	SEE X
3000	1150x100x10	SEE X

SEE ARCH DWG FOR LOCATION & SIZE OF OPNG

THESE STUD LINTELS ARE FOR REFERENCE ONLY. ACTUAL DESIGN STUD & FASTENER BY STEEL STUD ENGINEER. REFER TO SPECIFICATIONS FOR MINIMUM GAUGES.

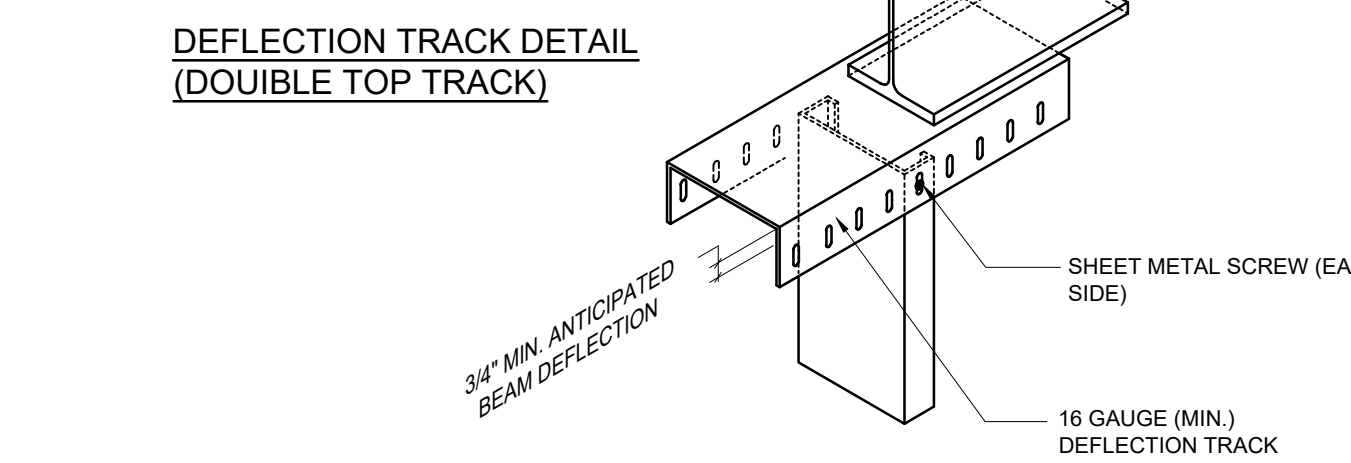


BUILT-UP TRACK WINDOW SILL OR BUILT-UP HEADER

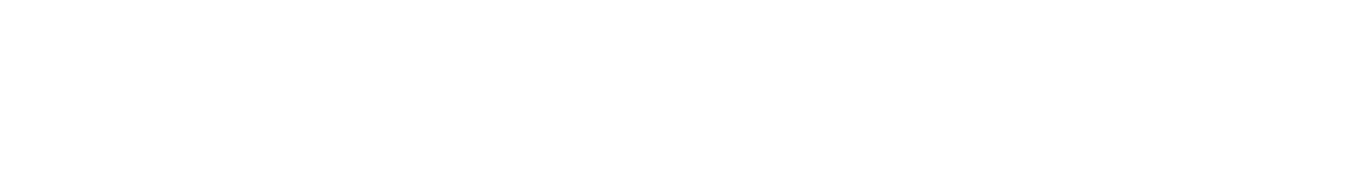
TYPICAL STEEL STUD DETAILS

STD.S10A

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- BEARING OF BEAMS ON MASONRY WALLS:
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 - BLOCK WALLS: BEARING SHALL BE ON 100% SOLID UNITS LAD IN CEMENT MORTAR WITH LENGTH EQUAL TO TWICE THE LENGTH OF BEARING CONCRETE SLAB NOT GREATER THAN 50mm (2") HAVING A MINIMUM BEARING OF 120mm (4-3/4"). SLABS EXCEEDING 150mm (6") IN THICKNESS SHALL HAVE A MINIMUM BEARING OF 200mm (8").
- FILL ALL CELLS CONTAINING ANCHORS OR REINFORCEMENT WITH 20 MPa CONCRETE.
- CONCRETE (8") MIN. BEARING FOR LINTELS.
- PROVIDE MASONRY TIES & LATERAL REINFORCEMENT IN ACCORDANCE WITH REFERENCE STANDARD AND/OR AS SHOWN ON DRAWINGS.
- LINTELS
- OVER ALL OPENINGS IN MASONRY WALLS, UNLESS OTHERWISE SHOWN ON DRAWINGS, PROVIDE LINTELS AS SHOWN ON STDM.
- BUILD MASONRY TIGHT TO BEAM WEB AT BEAM BEARINGS.
- PROVIDE FULL MORTAR BEDS, INCLUDING FACE SHELL AND CROSS WEBS AT ALL HORIZONTAL JOINTS.
- PROVIDE MASONRY REINFORCEMENT OF GALVANIZED LADDER TYPE 80mm (3") NARROWER THAN WALL THICKNESS, FABRICATED FROM WIRE AND CONFORMING TO CSA STANDARD CSA A378-04. PROVIDE REINFORCEMENT AS NOTED IN ON DWS. AND IN THE FIRE RATED BED JOINTS IMMEDIATELY ABOVE AND BELOW WALL OPENINGS, AND EXTENDING 200mm (8"). DO NOT EXTEND REINFORCEMENT THROUGH CONTROL JOINTS. USE PREFABRICATED CORNER PIECES, PROVIDE 1-15M TIES AT ALL WALL INTERSECTIONS.



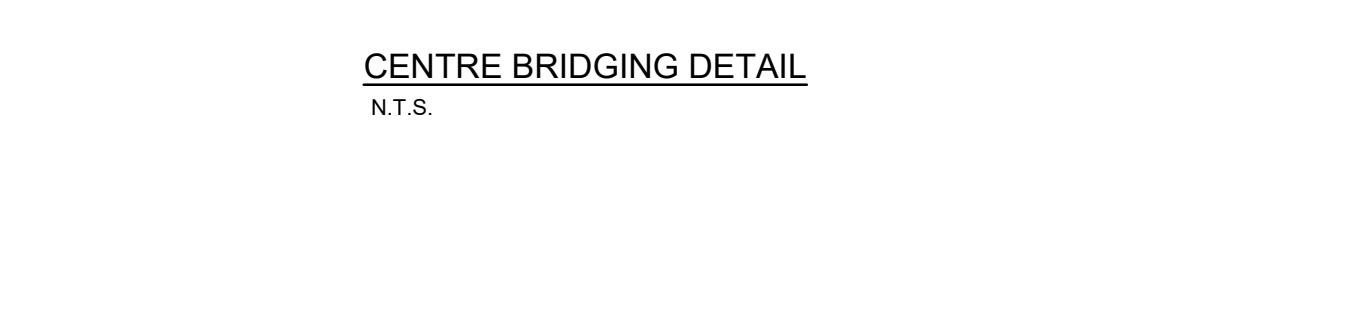
DEFLECTION TRACK DETAIL (ALTERNATE)



TYPICAL STEEL STUD DETAILS

STD.S10B

- AFTER EXISTING STRUCTURAL STEEL ELEMENTS HAVE BEEN REMOVED, ALL EXISTING CONNECTION DETAILS (ANGLES, CLIPS, ETC) MUST BE REMOVED, GRIND SMOOTH AND REPAIR/REPLACE AS SHOWN ON STDM.
- CONTRACTOR MUST PROVIDE ALL NECESSARY AND ADEQUATE TEMPORARY BRACING TO MAINTAIN STABILITY OF EXISTING BUILDING UNTIL NEW WORK SHOWN ON THESE DRAWINGS IS COMPLETED.
- THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN, ERECTION, OPERATION, MAINTENANCE, AND REMOVAL OF TEMPORARY SUPPORTS, TEMPORARY BRACINGS AND SHORING SYSTEM, STRUCTURES AND FACILITIES AND THE DESIGN AND EXECUTION OF CONSTRUCTION METHODS REQUIRED IN THEIR USE IN ORDER TO CARRY OUT THIS WORK.
- THE CONTRACTOR SHALL ENGAGE AND PAY FOR REGISTERED PROFESSIONAL ENGINEERING PERSONNEL, SKILLED IN THE APPROPRIATE DISCIPLINES TO PERFORM THOSE FUNCTIONS REFERRED TO IN PARAGRAPH 3 ABOVE, AND IN ALL CASES WHERE SUCH TEMPORARY SUPPORTS, STRUCTURES, AND FACILITIES AND THEIR METHOD OF CONSTRUCTION ARE OF SUCH A NATURE THAT PROFESSIONAL ENGINEERING SKILL IS REQUIRED TO PRODUCE SAFE AND SATISFACTORY RESULTS. THIS SPECIFICATION IS PRIMARILY FOR DEMOLITION OF STRUCTURAL WORK ONLY. IN CASE OF DISCREPANCY WITH ARCHITECTURAL SPECIFICATIONS/DRAWINGS, ARCHITECTURAL COVERS EXCEPT WHERE STRUCTURAL SAFETY IS IN DOUBT, THEN THE ENGINEER MUST BE CONSULTED BEFORE PROCEEDING WITH WORK.
- PERFORM DEMOLITION WORK IN ACCORDANCE WITH REQUIREMENTS OF CSA STANDARD S350M, CODE OF PRACTICE FOR SAFETY, DEMOLITION OF STRUCTURES; AND HEALTH AND SAFETY ACT, OF THE PROVINCE OF ONTARIO, AND AS OTHERWISE REQUIRED BY JURISDICTIONAL AUTHORITIES TO SAVE PERSONS AND PROPERTY FROM HARM RESULTING FROM WORK OF THIS SECTION.
- EXAMINE ALL EXISTING CONDITIONS AND ASSUME RESPONSIBILITY FOR PARTIAL DEMOLITION OF STRUCTURES.
- BEFORE COMMENCING WORK, ENSURE IN EXAMINATION OF THE SITE AND WORK TO BE DEMOLISHED THAT ALL POSSIBLE FACTORS CONCERNING DEMOLITION ARE INVESTIGATED.



CENTRE BRIDGING DETAIL

N.T.S.

TYPICAL LINTEL SCHEDULE

STD. M2

PROVIDE LINTELS OVER MASONRY WALLS, WHEREVER REQUIRED AS SHOWN ON ARCH. DWG.

MASONRY REINFORCED BLOCK LINTEL SCHEDULE		STEEL LINTEL SCHEDULE	
MINIMUM LENGTH OF BEARING TO BE 200mm (8"). FOR BLOCK LINTELS, MINIMUM CONCRETE COVER FOR REINFORCING TO BE 20mm. FILL ALL VOIDS WITH 20 MPa MIN. CONCRETE GROUT.		OVER ALL OPENINGS AND RECESSES IN MASONRY PARTITIONS AND WALLS PROVIDE LINTELS AS SCHEDULED BELOW, UNLESS OTHERWISE INDICATED ON THE DRAWING.	

MECHANICAL LEGEND	
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)	
	RIGID DUCTWORK
	ACOUSTICALLY LINED DUCTWORK
	FLEXIBLE ROUND DUCTWORK
	SUPPLY DUCTWORK RISER UP
	EXHAUST/RETURN DUCTWORK RISER UP
	SUPPLY DUCTWORK RISER DOWN
	EXHAUST/RETURN DUCTWORK RISER DOWN
	BALANCING DAMPER
	SPLITTER DAMPER
	DOOR UNDERCUT
	DOOR GRILLE
	CAPPED DUCTWORK
	SPIN-ON FITTING WITH BALANCING DAMPER
	SUPPLY AIR DIFFUSER
	RETURN/EXHAUST AIR GRILLE
	FLEXIBLE CONNECTION
	SUPPLY AIR GRILLE - WALL-MOUNTED
	RETURN AIR GRILLE - WALL-MOUNTED
	FLEXIBLE DUCT CONNECTION TO RIGID DUCTWORK
	SQUARE ELBOW WITH AIR TURNING VANES
	FUSIBLE LINK FIRE DAMPER WITH ACCESS DOOR IN DUCT
	MOTORIZED DAMPER
	BACK DRAFT DAMPER
	BALANCING DAMPER
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH INLET
	AIR HANDLING UNIT SILENCER AS PER SILENCER SCHEDULE
	A-84 DENOTES DIFFUSER TYPE - DENOTES AIRFLOW (N L/S) 25 DENOTES NECK SIZE. DUCTWORK TO MATCH.
	THERMOSTAT TIED TO THE BAS SYSTEM
	STANDALONE THERMOSTAT
	PUMP
	HWS HOT WATER SUPPLY - HEATING
	HWR HOT WATER RETURN - HEATING
	HWRR HOT WATER REVERSE RETURN - HEATING
	RL REFRIGERATION LINE - LIQUID
	RG REFRIGERATION LINE - GAS
	CD CONDENSATE LINE
	G NATURAL GAS LINE
	GV NATURAL GAS VENT LINE
	ISOLATION VALVE. TYPE AS PER SPECIFICATION
	BALANCING VALVE
	STRAINER
	PRESSURE REDUCING VALVE
	AUTOMATIC 2-WAY CONTROL VALVE
	AUTOMATIC 3-WAY CONTROL VALVE
	CHECK VALVE
	UNION
	MANUAL AIR VENT
	DENOTES EXISTING PIPING TO BE REMOVED
	DENOTES EXISTING PIPING TO REMAIN
	DENOTES NEW PIPING
	GAS METER
	PROPANE METER
	ELECTRIC HEAT TRACING; DIVISION 22 UNLESS OTHERWISE NOTED
	PRESSURE GAUGE
	THERMOMETER
	PIPE UP
	PIPE DOWN

MECHANICAL LEGEND	
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)	
	WALL FIN HEATER
	CV-A DENOTES TYPE
	7000 DENOTES HEAT OUTPUT IN WATTS
	0.15 DENOTES FLOW RATE IN L/S
	FFH-A FORCED FLOW HEATER
	FFH-A DENOTES TYPE
	REFER TO FORCED FLOW HEATER SCHEDULE FOR HEAT OUTPUT AND FLOW RATE
	VAV BOX
	'RTU-1-2' DENOTES BOX NAME/NUMBER; 'D' DENOTES VAV TYPE (SEE SCHEDULE); '100' DENOTES MINIMUM FLOW; '200' DENOTES MAXIMUM FLOW
	100
	200
PLUMBING AND DRAINAGE	
	STM ABOVE-GROUND STORM
	STM UNDERGROUND STORM
	SAN ABOVE-GROUND SANITARY
	SAN UNDERGROUND SANITARY
	PUMPED SANITARY
	RUNNING TRAP
	PLUMBING TRAP
	V SANITARY VENT
	HICO SANITARY CLEANOUT IN ACCESSIBLE CEILING SPACE
	CO SANITARY CLEANOUT IN SLAB
	DOMESTIC COLD WATER
	TW DOMESTIC TEMPERED HOT WATER
	TWR DOMESTIC TEMPERED HOT WATER RECIRCULATION
	BFP BACKFLOW PREVENTER - SUITABLE FOR SERVICE INTENDED
	WATER METER
	HB HOSE BIBB
	NFHB NON-FREEZE HOSE BIBB
	VTR VENT THROUGH ROOF
	RWL RAIN WATER LEADER
	FD FLOOR DRAIN
	FFD FUNNEL FLOOR DRAIN
	RD ROOF DRAIN
CONTROLS	
	BAS - TEMPERATURE SENSOR - IN PIPING
	C/S BAS - CURRENT SENSOR
	P/S BAS - PRESSURE SWITCH
	F/S BAS - FLOW SWITCH
	AI BAS - ANALOG INPUT
	AO BAS - ANALOG OUTPUT
	DI BAS - DIGITAL INPUT
	DO BAS - DIGITAL OUTPUT
FIRE PROTECTION	
	FE FIRE EXTINGUISHER IN ENCLOSURE C/W MOUNTING BRACKET
	FE FIRE EXTINGUISHER C/W MOUNTING BRACKET
	FB FIRE BLANKET
ACRONYMS	
LABEL	DESCRIPTION
AD	ACCESS DOOR
AC	AIR CONDITIONER
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
CAP	CAP EXISTING SERVICE
CD	CONDENSATE
CTE	CONNECT TO EXISTING
CUT	CUT POINT
DF	DRINKING FOUNTAIN
EA	EXHAUST AIR
EX	EXISTING
FD	FIRE DAMPER
FE	FIRE EXTINGUISHER
FS	FLOW SWITCH
HHS	HAND-HELD SHOWER
LV	LAVATORY
MD	MOTORIZED DAMPER
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
OA	OUTDOOR AIR
PG	PRESSURE GAUGE
RWL	RAIN WATER LEADER
REM	REMOVE
RP	REPLACE
RA	RETURN AIR
SA	SUPPLY AIR
SV	SUPERVISED VALVE
TYP	TYPICAL
UV	UNIT VENTILATOR
VTR	VENT THROUGH ROOF
WD	WASHER-DRYER UNIT
WC	WATER CLOSET

GENERAL NOTES:	
1.	ALL DEMOLITION AND NEW WORK SHALL BE COORDINATED WITH ALL TRADES PRESENT ON SITE. CONSTRUCT NEW SERVICES AND LOCATE NEW EQUIPMENT IN SUCH A WAY THAT IT DOES NOT CONFLICT WITH WORK OF OTHER DIVISIONS AND/OR THE OPERATION/MAINTENANCE OF WORK/MATERIAL SUPPLIED BY OTHER DIVISIONS.
2.	IT IS MANDATORY FOR THE MECHANICAL CONTRACTOR TO VISIT THE SITE PRIOR TO BIDDING AND REVIEW EXISTING CONDITIONS AND DEMOLITION SCOPE OF WORK TO SUIT EXISTING ARCHITECTURAL, ELECTRICAL, STRUCTURAL AND MECHANICAL SITE CONDITIONS, DRAWINGS, SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. NO EXTRA WILL SUBSEQUENTLY BE ALLOWED TO COVER ANY SUCH ERROR, OMISSION AND/OR OVERSIGHT FOR NOT HAVING MADE A THOROUGH INSPECTION OF THE GROUNDS, EXISTING CONDITIONS, DRAWINGS, SPECIFICATION AND DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN OPERATION THROUGHOUT DEMOLITION/CONSTRUCTION. ALLOW FOR ANY WORK REQUIRED TO BE DONE WHICH MAY AFFECT POWER SUPPLY AND OPERATION OF THE BUILDING TO BE CARRIED OUT AFTER HOURS OR AT A TIME CONVENIENT TO THE BUILDING MANAGEMENT. PROVIDE TEMPORARY SERVICES AS REQUIRED TO ENSURE CONTINUED OPERATION AT ALL TIMES.
3.	CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO STARTING ANY WORK.
4.	THESE DRAWINGS SHALL BE READ & PRICED IN CONJUNCTION WITH ALL DRAWINGS AND SPECIFICATIONS FORMING THE CONTRACT AS WELL AS ALL OTHER DOCUMENTS FORMING THIS BID. NO EXTRA COST WILL BE ACCEPTED IN FAILURE TO OBTAINING AND/OR REVIEW OF SUCH DOCUMENTS. REFER TO ARCHITECTURAL, ELECTRICAL, FIRE PROTECTION STRUCTURAL AND MECHANICAL LAYOUTS IN CONJUNCTION FOR EXACT LOCATION OF ALL EQUIPMENT. REPORT ANY DISCREPANCIES TO THE MECHANICAL ENGINEER PRIOR TO COMMENCING WORK. NO EXTRA WILL BE PROVIDED AS A RESULT OF A FAILURE TO DO SO.
5.	IT IS MANDATORY THAT ALL WORK COMPLY WITH ALL APPLICABLE CODES AND, BASE BUILDING (BOARD) STANDARDS, AND THE STANDARDS SET BY ANY AND ALL LOCAL AUTHORITIES HAVING JURISDICTION.
6.	ARRANGE FOR ALL INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION AS MANDATED BY CODES OR THE REQUIREMENTS OF THE AUTHORITIES. ATTEND ALL INSPECTIONS AND FURNISH ALL MATERIALS AND LABOUR REQUIRED TO COMPLETE THE INSPECTIONS TO THE SATISFACTION OF THE AUTHORITIES.
7.	WHERE NEW PARTITIONS ARE BEING CONSTRUCTION, ALL NEW SERVICES SHALL BE CONCEALED IN SUCH PARTITIONS WHERE FEASIBLE AND PERMITTED BY CODE. ALL SERVICES SPECIFIED TO BE INSULATED SHALL BE CONCEALED WITH INSULATION.
8.	IN THE EVENT OF ANY DISCREPANCY BETWEEN THE MECHANICAL DRAWINGS AND SPECIFICATIONS, ALLOW FOR THE HIGHEST-PRICED OPTION IN THE TENDER PRICE.
9.	ALL EQUIPMENT AND SERVICES SHALL BE STARTED-UP BY THE CONTRACTOR AND BY THE APPROPRIATE AGENCIES REQUIRED FOR CONDUCTING SUCH START-UPS. PROVIDE A MINIMUM OF 10 BUSINESS DAYS NOTICE TO THE MECHANICAL ENGINEER OF NEW EQUIPMENT/ SERVICES START-UPS.
10.	FURNISH ALL MATERIAL AND EQUIPMENT AS SPECIFIED, EXCEPT WHERE SPECIFIC APPROVAL FOR SUBSTITUTION IS GIVEN IN WRITING BY THE TENANT.
11.	NOTE THAT THERE ARE SEVERAL NEW SERVICES TO BE ROUTED THROUGH THE EXISTING SCHOOL. PATH OF SERVICES IS FOR GENERAL INTENT PURPOSES. PRIOR TO PRICING, EXAMINE ALL EXPOSED CONDITIONS BELOW AND ABOVE THE EXISTING CEILINGS TO BETTER UNDERSTAND THE EXTENT OF SPACE AND EXISTING SERVICES PRESENT IN THE SCHOOL. INCLUDE FOR FULL SUPPLY AND INSTALLATION OF NEW SERVICES BASED ON EXISTING CONDITIONS; INCLUDE FOR ALL NECESSARY OFFSETS AND CHANGE IN DIRECTION OF NEW SERVICES WITHIN THE AVAILABLE SPACE ABOVE THE CEILING. ALL NEW SERVICES IN THE EXISTING SCHOOL SHALL BE RUN ABOVE THE CEILING.
12.	INCLUDE FOR PIPE FREEZING AS A METHOD OF ISOLATION OF EXISTING SERVICES AS THE EXISTING ISOLATION VALVES MIGHT NOT BE PRESENT OR MIGHT NOT BE FUNCTIONING.

DRAWING LIST	
DRAWING NUMBER	DESCRIPTION
M1	MECHANICAL LEGEND, NOTES, SCHEDULES & SCHEMATICS
M2	POOL TUNNEL & FIRST FLOOR KEY PLAN
M3	SECOND FLOOR KEY PLAN
M4	ROOF KEY PLAN
M5	DEMOLITION PLANS
M6	DEMOLITION PLANS
M7	DEMOLITION PLANS
M8	NEW WORK PLAN
M9	SCHEDULES & SCHEMATICS

Notes	
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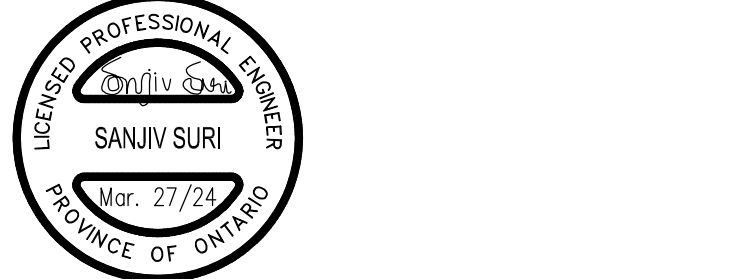
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SURI & ASSOCIATES LTD. ENGINEERING CONSULTANTS	
1022 WHITE CLOVER WAY MISSISSAUGA, ONTARIO L5V 1C8 T (905)-290-7861 F (289)-327-3420	ELECTRICAL MECHANICAL LIGHTING COMMUNICATION SECURITY

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2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23
NO.	DESCRIPTION	DATE

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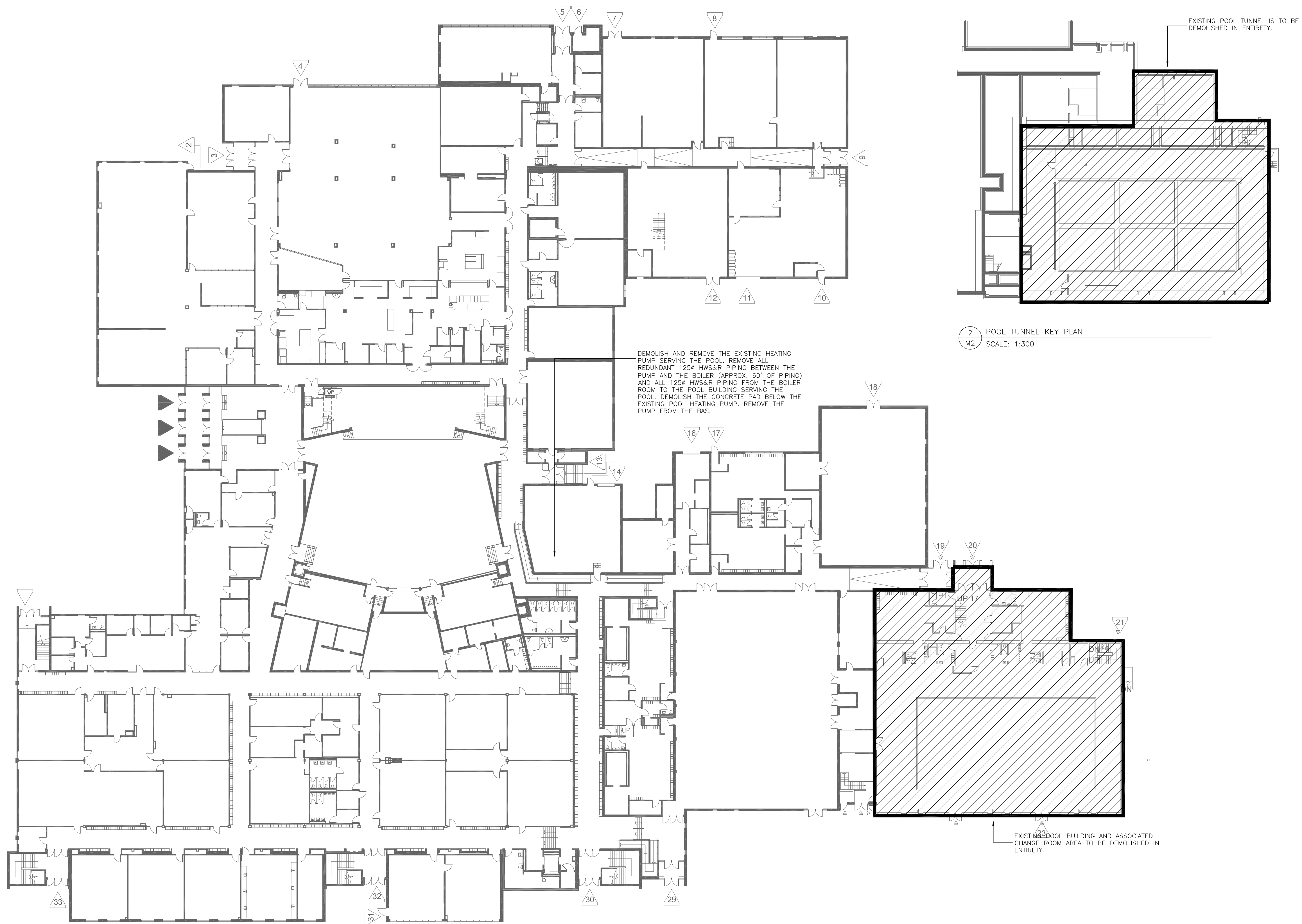


Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
**MECHANICAL LEGEND, NOTES,
 SCHEDULES & SCHEMATICS**

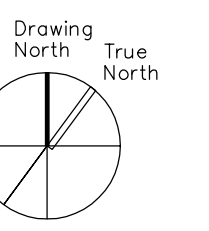
Graphic Scale		Sheet no.
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RS	SS	
CAD File	Scale	
-	AS NOTED	
Date	Project No.	Revision No.
DECEMBER 2022	23-124	



1 FIRST FLOOR KEY PLAN
M2 SCALE: 1:300

2 POOL TUNNEL KEY PLAN
M2 SCALE: 1:300

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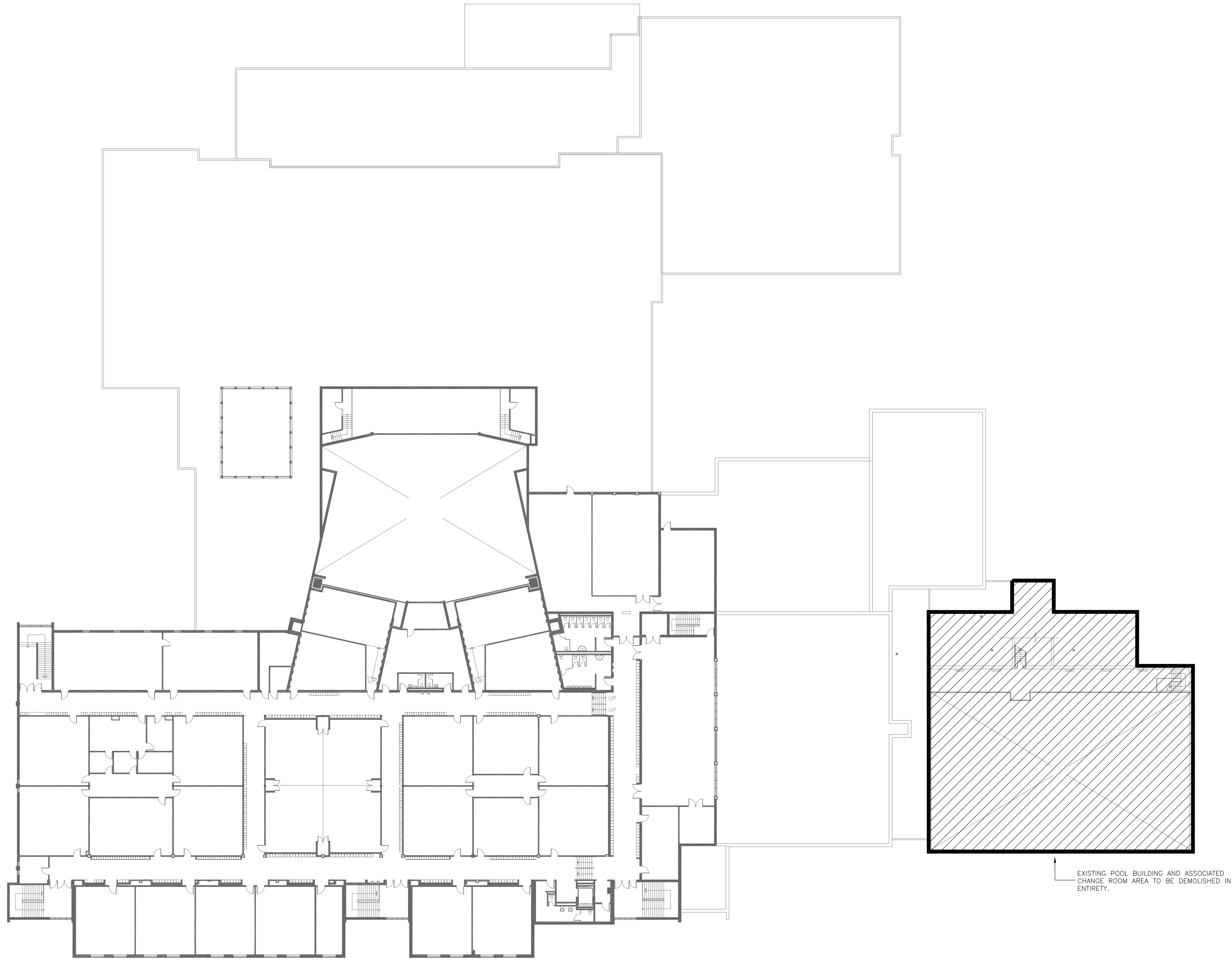


Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

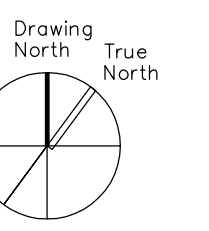
Drawing Title
POOL TUNNEL & FIRST FLOOR KEY PLAN

Graphic Scale		Sheet no.
AS SHOWN		M2
Drawn RS	Checked SS	
CAD File -	Scale AS NOTED	Revision No.
Date DECEMBER 2022	Project No. 23-124	



1 SECOND FLOOR KEY PLAN
M3 SCALE: 1:300

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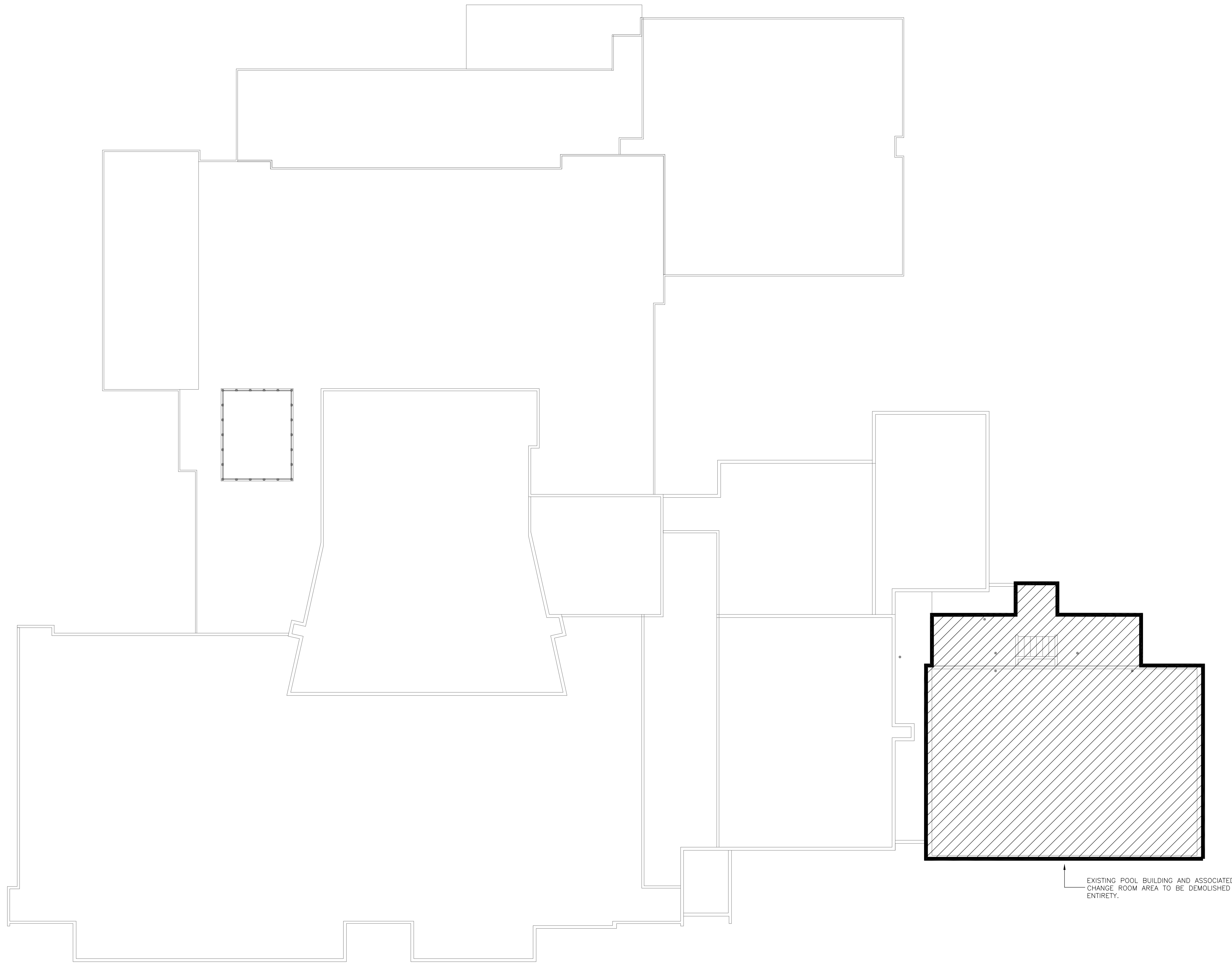


Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

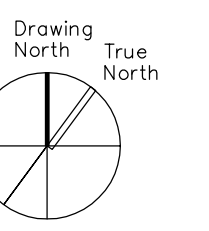
Drawing Title
SECOND FLOOR KEY PLAN

Graphic Scale AS SHOWN		Sheet no. M3
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CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.



1 ROOF KEY PLAN
M4 SCALE: 1:300

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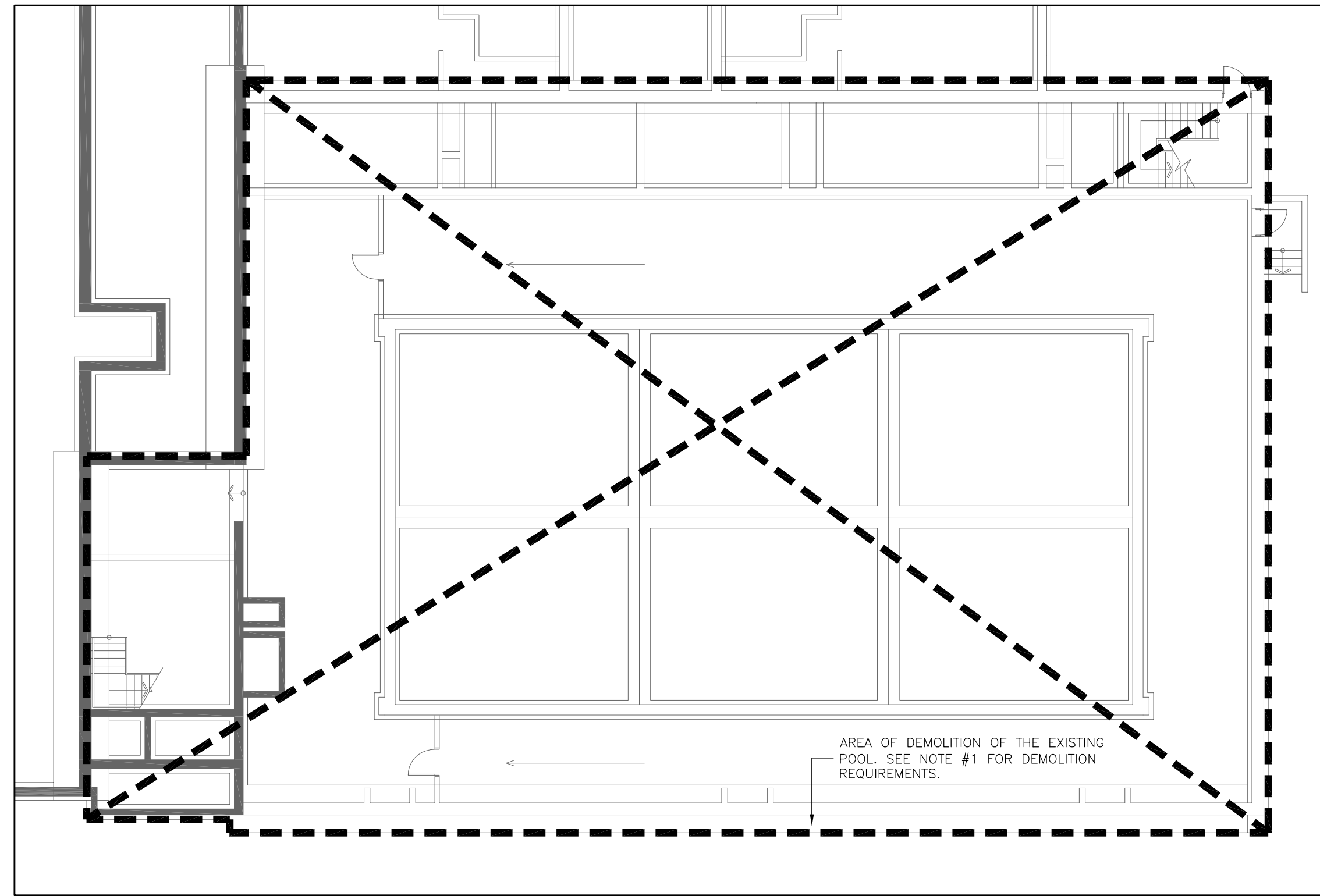


Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
ROOF KEY PLAN

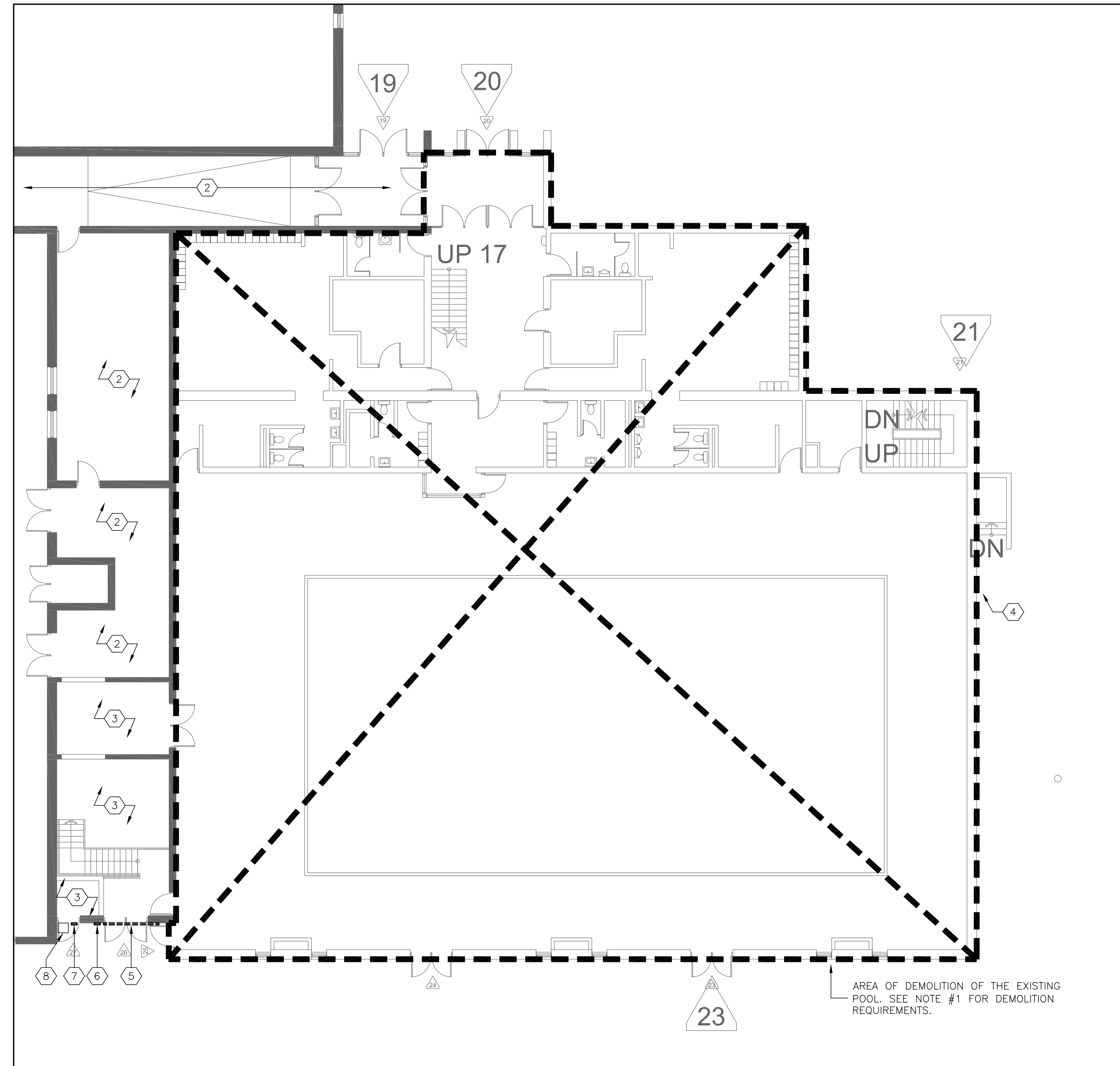
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	Revision No.



1 POOL TUNNEL — MECHANICAL DEMOLITION PLAN
M5 SCALE: 1:150

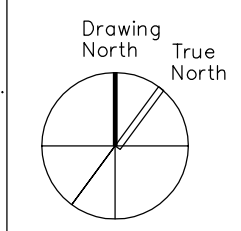
DRAWING NOTES:

1. DEMOLISH ALL EXISTING MECHANICAL DUCTWORK, DIFFUSERS, GRILLES, PIPING, EQUIPMENT, BURIED PITS, HEATING COILS, CONVECTORS, CONTROLS (PNEUMATIC AND ELECTRONIC), PLUMBING FIXTURES, SYSTEMS, FIRE PROTECTION SYSTEMS AND ALL OTHER MECHANICAL ELEMENTS WITHIN THE AREA OF DEMOLITION. THOROUGHLY REVIEW THE EXISTING SITE TO UNDERSTAND THE FULL EXTENT OF EXISTING SYSTEMS AND DEMOLITION REQUIRED. SEE BOOK SPECIFICATIONS FOR ARCHIVE DRAWINGS AVAILABLE RELATED TO THE SPACES TO BE DEMOLISHED. REMOVE ALL MECHANICAL SYSTEMS SHOWN ON THE ARCHIVE DRAWINGS AND AS OTHERWISE PRESENT ON SITE. INCLUDE FOR TRACING AND ISOLATING OF ALL EXISTING MECHANICAL DUCTWORK, PIPING, CONTROLS, SYSTEMS, ETC. LOCATED WITHIN THE AREA OF DEMOLITION. REMOVAL OF ALL THE MECHANICAL DUCTWORK, DIFFUSERS, GRILLES, PIPING, EQUIPMENT, BURIED PITS, HEATING COILS, CONVECTORS, CONTROLS (PNEUMATIC AND ELECTRONIC), PLUMBING FIXTURES, SYSTEMS AND ALL OTHER MECHANICAL ELEMENTS C/W ALL ASSOCIATED WIRING/RACEWAYS SHALL BE COMPLETED PRIOR DEMOLITION OF THE POOL TRACE AND IDENTIFY ANY DUCTWORK, PIPING, CONTROLS OR OTHER MECHANICAL ELEMENTS SERVING AREAS OUTSIDE OF THE AREA OF DEMOLITION; CONSULT WITH THE ENGINEER PRIOR TO DEMOLITION.
2. ALL EXISTING MECHANICAL SYSTEMS IN THIS SPACE ARE TO REMAIN AS IS.
3. ALL EXISTING MECHANICAL SYSTEMS IN THIS SPACE ARE TO BE DEMOLISHED AND REPLACED WITH NEW — SEE NEW PLAN FOR NEW DETAILS.
4. APPROXIMATE LOCATION OF THE EXISTING IRRIGATION LINE EXITING THE BUILDING; RUN NEW UNDERGROUND IRRIGATION LINE (PEX OR EQUIVALENT; SIZE TO MATCH EXISTING — SITE VERIFY) FROM THIS POINT AND CONNECT TO THE EXISTING IRRIGATION LINE WITHIN THE SCHOOL CEILING SPACE. SITE VERIFY LOCATION. RELOCATE THE SPRINKLER CONTROL BOX FROM ITS CURRENT LOCATION TO THE NEW STORAGE ROOM (1704).
5. REMOVE THE EXISTING 2400x900 LOUVER — SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFILL DETAIL.
6. REMOVE THE EXISTING 300x300 LOUVERS AT HIGH AND LOW LEVEL — SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFILL DETAIL.
7. REMOVE THE EXISTING 300x300 DUCT THROUGH THE WALL IN ENTIRETY — SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFILL DETAIL.
8. REMOVE THE EXISTING SIDE-WALL EXHAUST FAN IN ENTIRETY C/W ALL DUCTWORK — SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFILL DETAIL.
9. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL DISCONNECT, REMOVE AND HANDOVER THE EXISTING MIXING VALVE SERVING THE CHANGE ROOM SHOWERS LOCATED IN THE POOL OFFICE AREA TO THE PSDS MAINTENANCE DEPARTMENT.



2 FIRST FLOOR — MECHANICAL DEMOLITION PLAN
M5 SCALE: 1:150

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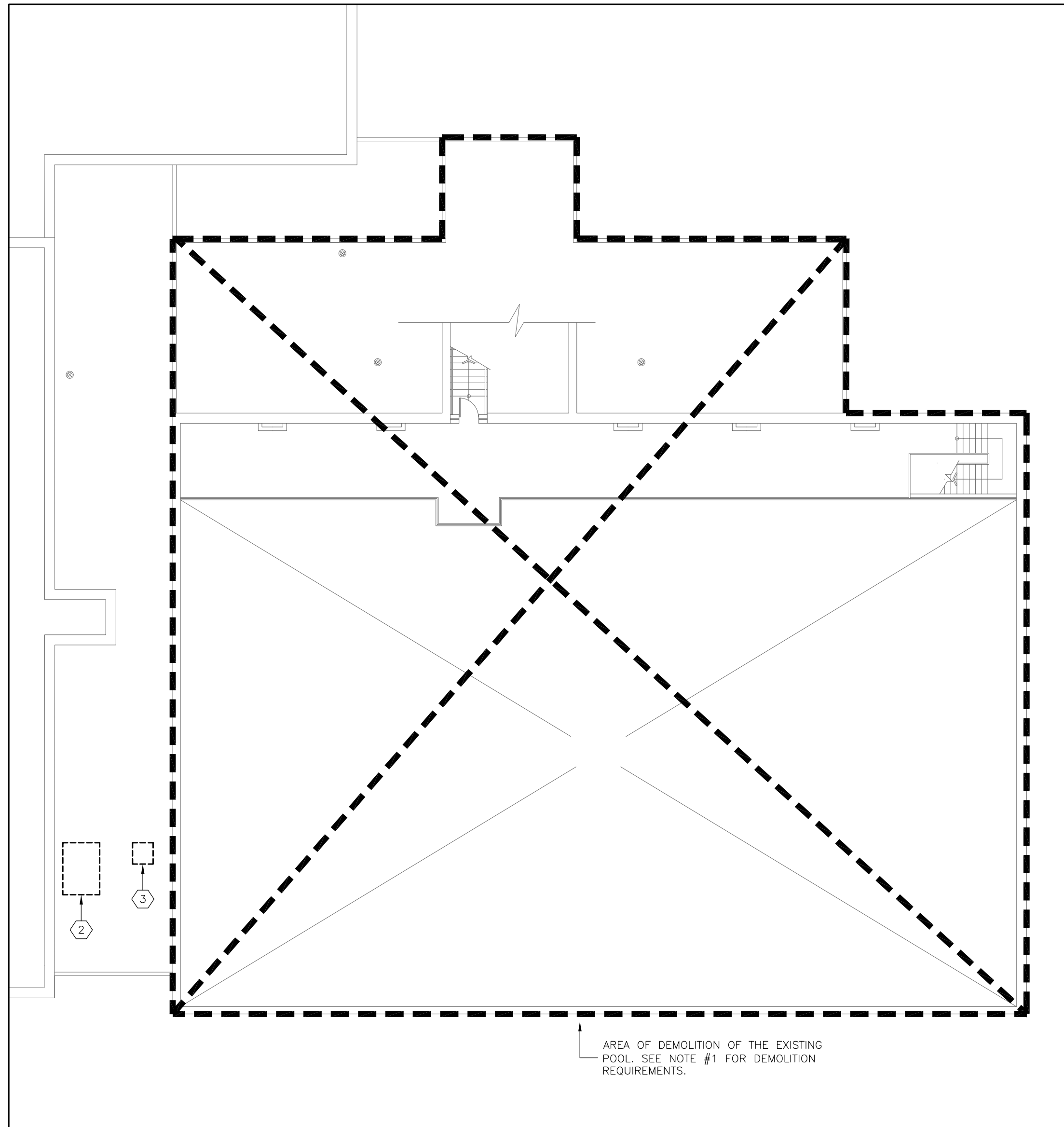


Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
DEMOLITION PLANS

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Date DECEMBER 2022	Project No. 23-124	Revision No.

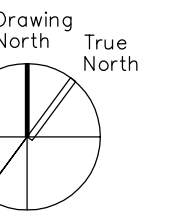


DRAWING NOTES:

1. DEMOLISH ALL EXISTING MECHANICAL DUCTWORK, DIFFUSERS, GRILLES, PIPING, EQUIPMENT, BURIED PITS, HEATING COILS, CONVECTORS, CONTROLS (PNEUMATIC AND ELECTRONIC), PLUMBING FIXTURES, SYSTEMS, FIRE PROTECTION SYSTEMS AND ALL OTHER MECHANICAL ELEMENTS WITHIN THE AREA OF DEMOLITION. THOROUGHLY REVIEW THE EXISTING SITE TO UNDERSTAND THE FULL EXTENT OF EXISTING SYSTEMS AND DEMOLITION REQUIRED. SEE BOOK SPECIFICATIONS FOR ARCHIVE DRAWINGS AVAILABLE RELATED TO THE SPACES TO BE DEMOLISHED. REMOVE ALL MECHANICAL SYSTEMS SHOWN ON THE ARCHIVE DRAWINGS AND AS OTHERWISE PRESENT ON SITE. INCLUDE FOR TRACING AND ISOLATING OF ALL EXISTING MECHANICAL DUCTWORK, PIPING, CONTROLS, SYSTEMS, ETC. LOCATED WITHIN THE AREA OF DEMOLITION. REMOVAL OF ALL THE MECHANICAL DUCTWORK, DIFFUSERS, GRILLES, PIPING, EQUIPMENT, BURIED PITS, HEATING COILS, CONVECTORS, CONTROLS (PNEUMATIC AND ELECTRONIC), PLUMBING FIXTURES, SYSTEMS AND ALL OTHER MECHANICAL ELEMENTS C/W ALL ASSOCIATED WIRING/RACEWAYS SHALL BE COMPLETED PRIOR DEMOLITION OF THE POOL. TRACE AND IDENTIFY ANY DUCTWORK, PIPING, CONTROLS OR OTHER MECHANICAL ELEMENTS SERVING AREAS OUTSIDE OF THE AREA OF DEMOLITION; CONSULT WITH THE ENGINEER PRIOR TO DEMOLITION.
2. REMOVE THE EXISTING 750W x 1500L x 750H FRESH AIR INTAKE PENTHOUSE. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFILL AND ROOF REPAIR DETAIL. REMOVE ALL ASSOCIATED DUCTWORK.
3. REMOVE THE EXISTING 450x300 EXHAUST GOOSENECK IN ENTIRETY C/W ALL DUCTWORK.

1 POOL GALLERY & ROOF - MECHANICAL DEMOLITION PLAN
M6 SCALE: 1:150

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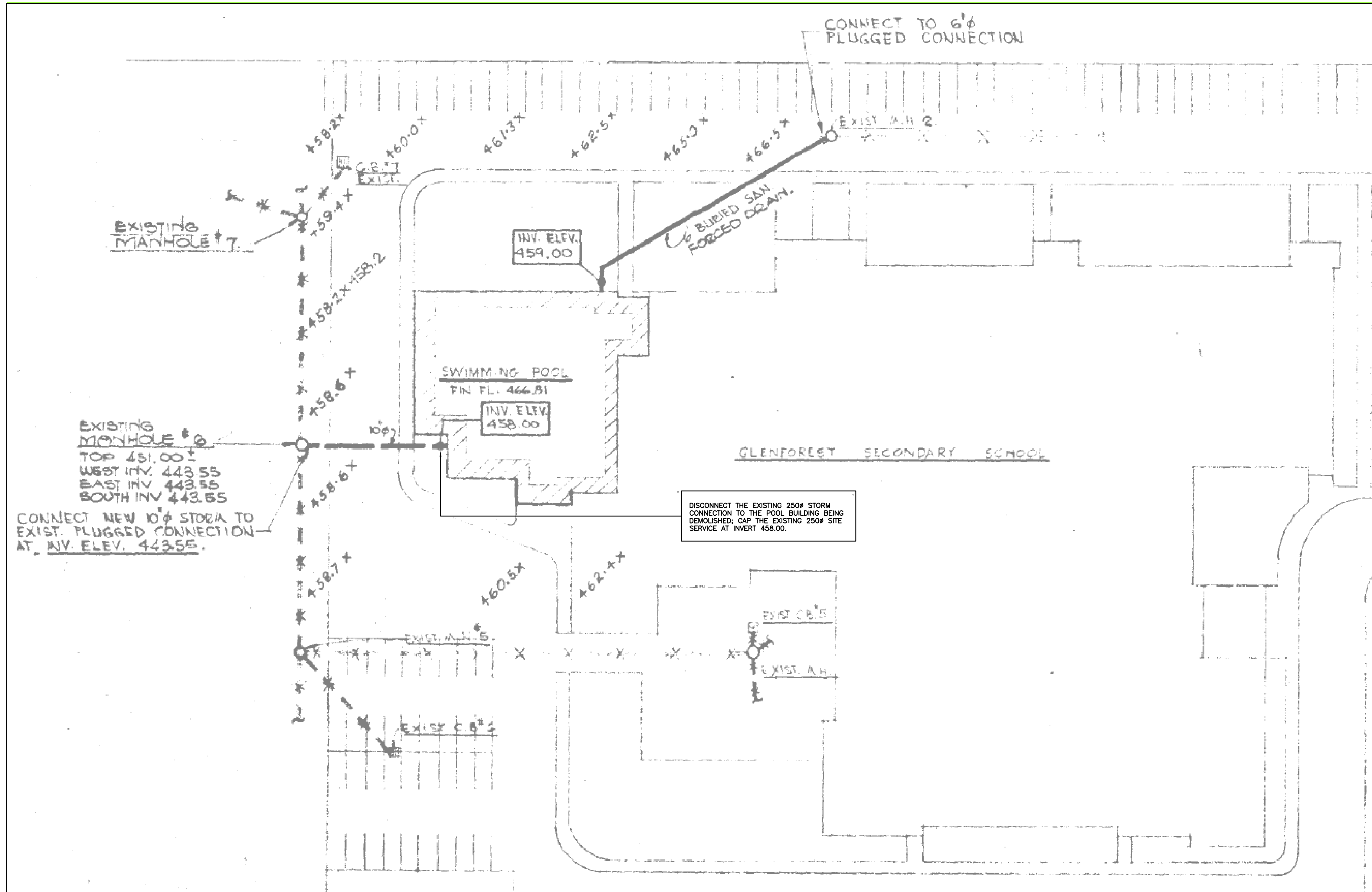
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6**

POOL DEMOLITION

Drawing Title

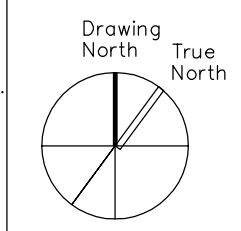
DEMOLITION PLANS

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Date DECEMBER 2022	Project No. 23-124	Revision No.



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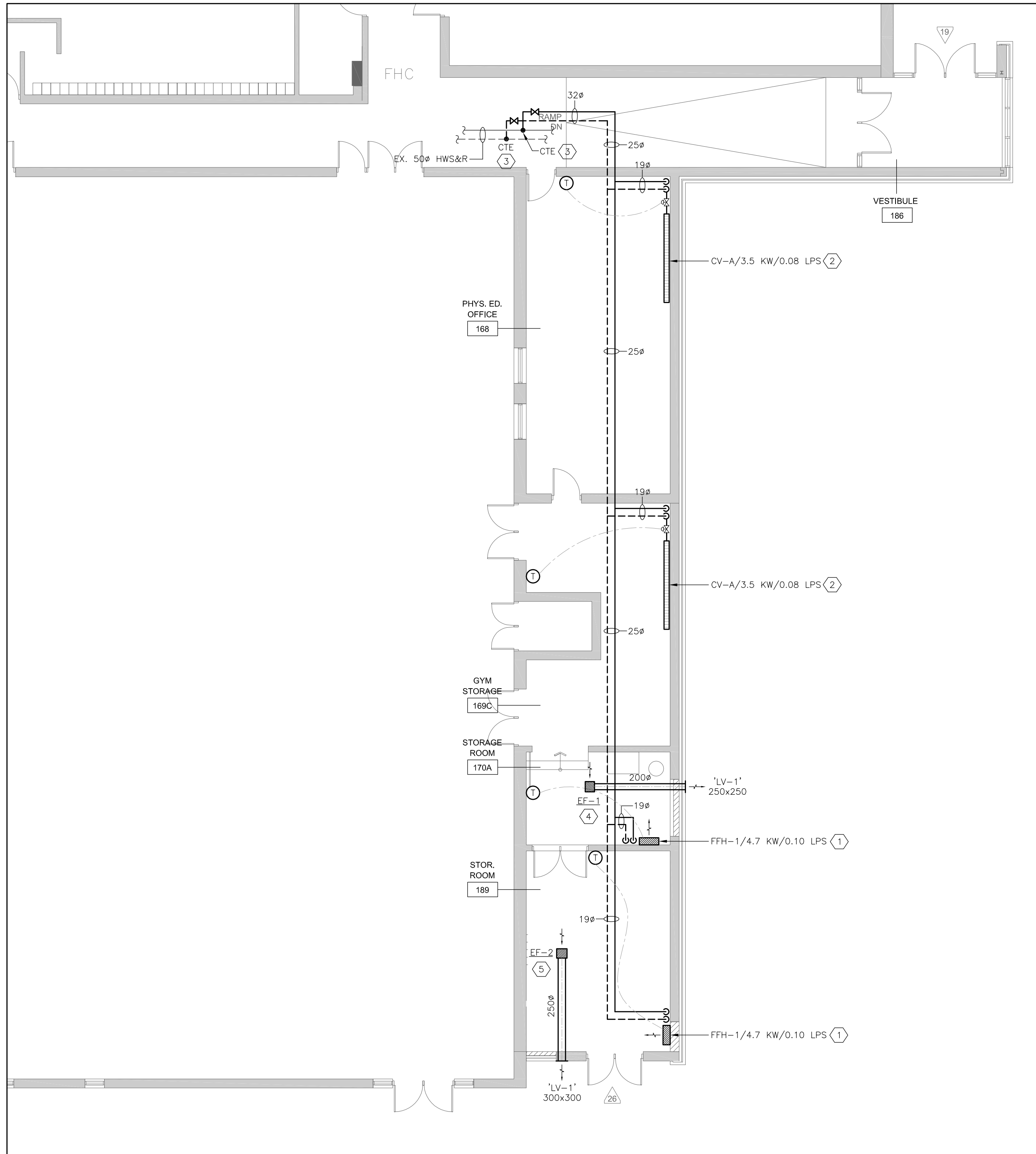
Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

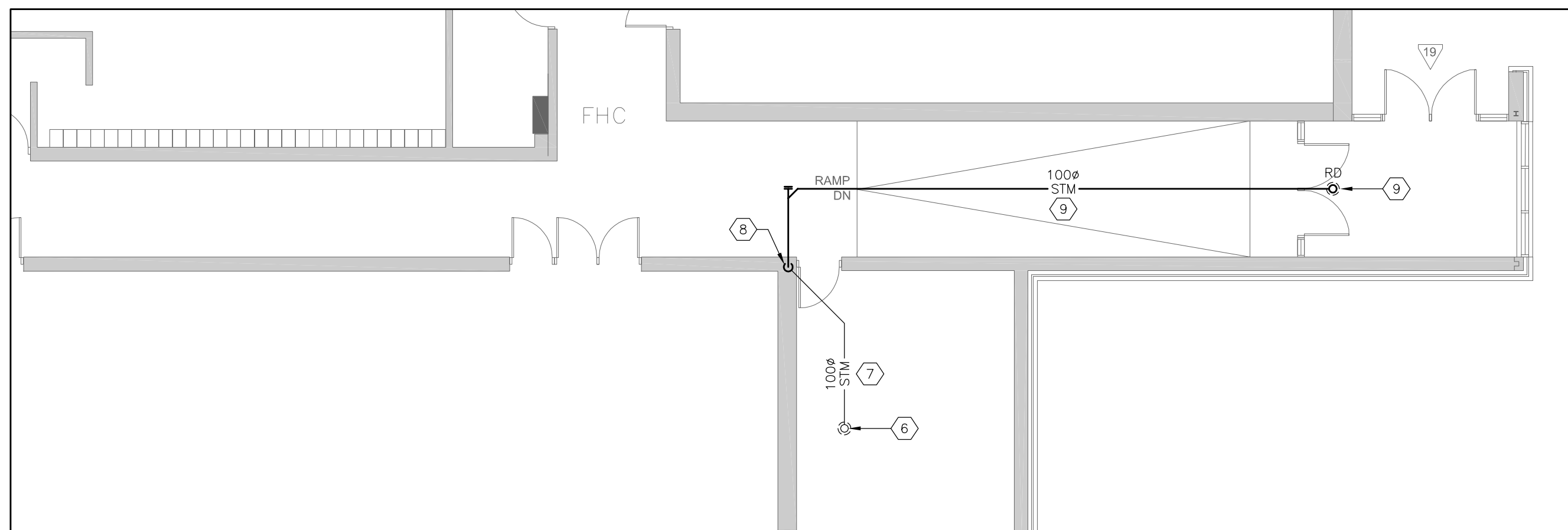
Drawing Title
SITE SERVICING DEMOLITION PLAN

Graphic Scale AS SHOWN		Sheet no.
Drawn RS	Checked SS	M7
CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.

1 SITE SERVICING DEMOLITION PLAN
 M7 SCALE: 1:400



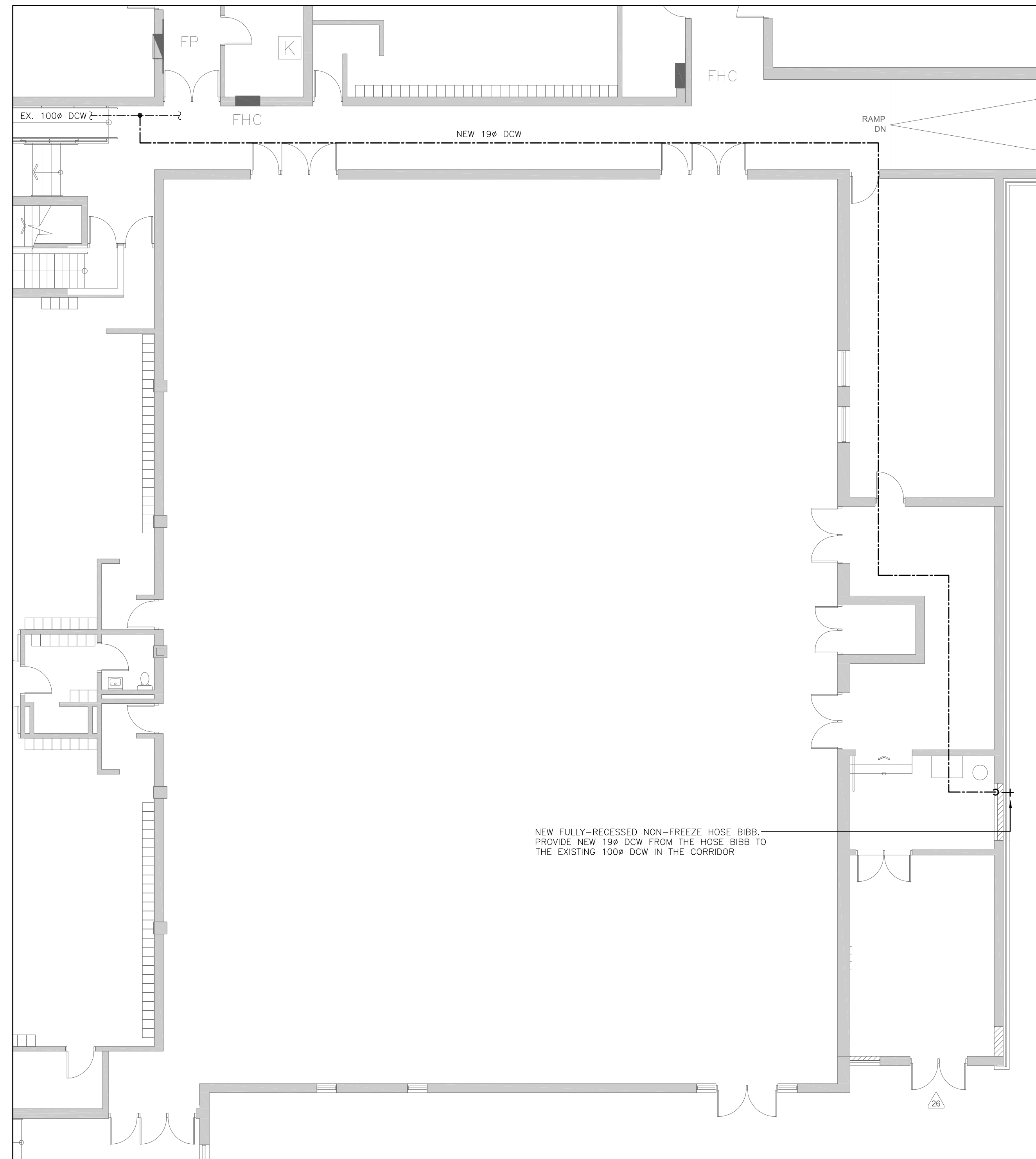
1 NEW HVAC PLAN - FIRST FLOOR PART PLAN
 MB SCALE: 1:100



1 NEW HVAC PLAN - FIRST FLOOR PART PLAN
 MB SCALE: 1:100

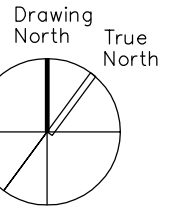
DRAWING NOTES:

- 1 PROVIDE A NEW SURFACE-MOUNTED FORCED FLOW HEATER AS SCHEDULED. PROVIDE HWS&R PIPING TO THE HEATER. INSULATE ALL PIPING. WHITE PVC WRAP ALL EXPOSED PIPING. COORDINATE WITH DIVISION 16 FOR POWER CONNECTION TO THE NEW HEATER. PROVIDE A NEW BAS TEMPERATURE SENSOR FOR THE NEW HEATER; NEW HEATER SHALL BE CONTROLLED BY THE BAS. RETAIN THE SCHOOL'S BAS CONTROLS CONTRACTOR FOR ALL CONTROLS-RELATED WORK.
- 2 PROVIDE A NEW HYDRONIC CONVECTOR HEATER AS SCHEDULED. PROVIDE HWS&R PIPING TO THE HEATER. INSULATE ALL PIPING. WHITE PVC WRAP ALL EXPOSED PIPING. COORDINATE WITH DIVISION 16 FOR POWER CONNECTION TO THE NEW HEATER. PROVIDE A NEW BAS TEMPERATURE SENSOR FOR THE NEW HEATER; NEW HEATER SHALL BE CONTROLLED BY THE BAS. RETAIN THE SCHOOL'S BAS CONTROLS CONTRACTOR FOR ALL CONTROLS-RELATED WORK.
- 3 CONNECT THE NEW 3/2" HWS&R PIPING TO THE EXISTING 5/8" HWS&R PIPING IN THE CORRIDOR CEILING SPACE. PROVIDE PIPE FREEZING AS A MEANS TO ISOLATE THE PIPING TO FACILITATE THE NEW TIE-INS. PROVIDE A NEW ISOLATION VALVE ON THE NEW HWS&R PIPING AS SHOWN.
- 4 PROVIDE A NEW CEILING-MOUNTED EXHAUST FAN EF-1 AS SHOWN COMPLETE WITH 200" DUCTWORK TO THE EXTERIOR LOUVER AS SHOWN. EXTERNALLY INSULATE THE FULL LENGTH OF THE NEW EXHAUST DUCTWORK.
- 5 PROVIDE A NEW CEILING-MOUNTED EXHAUST FAN EF-2 AS SHOWN COMPLETE WITH 225" DUCTWORK TO THE EXTERIOR LOUVER AS SHOWN. EXTERNALLY INSULATE THE FULL LENGTH OF THE NEW EXHAUST DUCTWORK.
- 6 EXISTING 100" ROOF DRAIN IS TO REMAIN AS IS.
- 7 EXISTING 100" STORM PIPING IN THE CEILING IS TO REMAIN AS IS.
- 8 EXISTING 100" STORM PIPING DN. TO UNDERGROUND IS TO REMAIN AS IS.
- 9 PROVIDE A NEW 100" CONVENTIONAL ROOF DRAIN. PROVIDE NEW 100" STORM PIPING ROUTED AS SHOWN AND CONNECT TO THE EXISTING 100" STORM PIPING IN THE CEILING SPACE.



3 NEW PLUMBING PLAN - FIRST FLOOR PART PLAN
 MB SCALE: 1:100

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ELECTRICAL
 MECHANICAL
 LIGHTING
 COMMUNICATION
 SECURITY

NO.	DESCRIPTION	DATE
3.	ISSUED FOR TENDER	MAR. 27/24
2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23

REVISIONS / ISSUES



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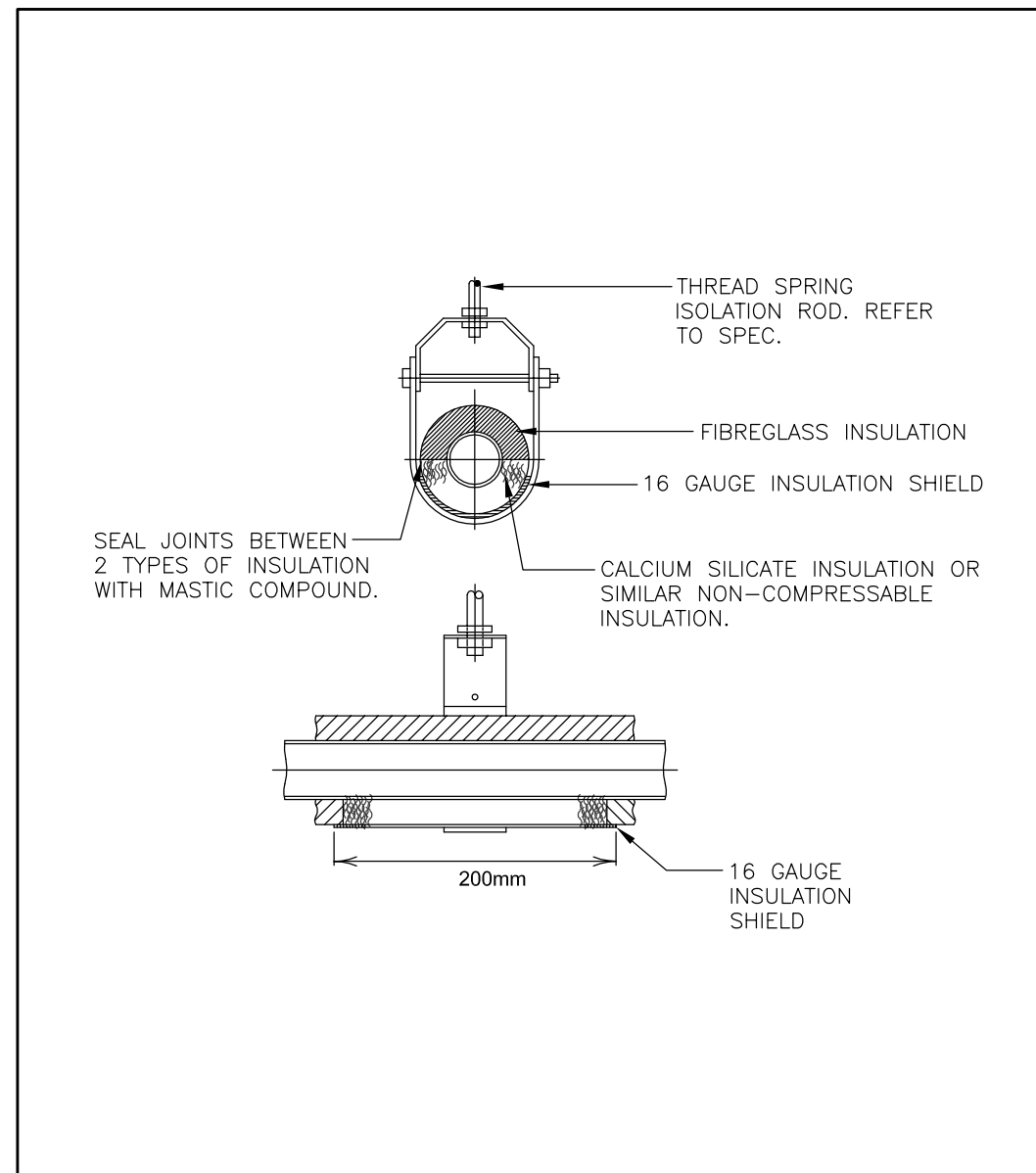
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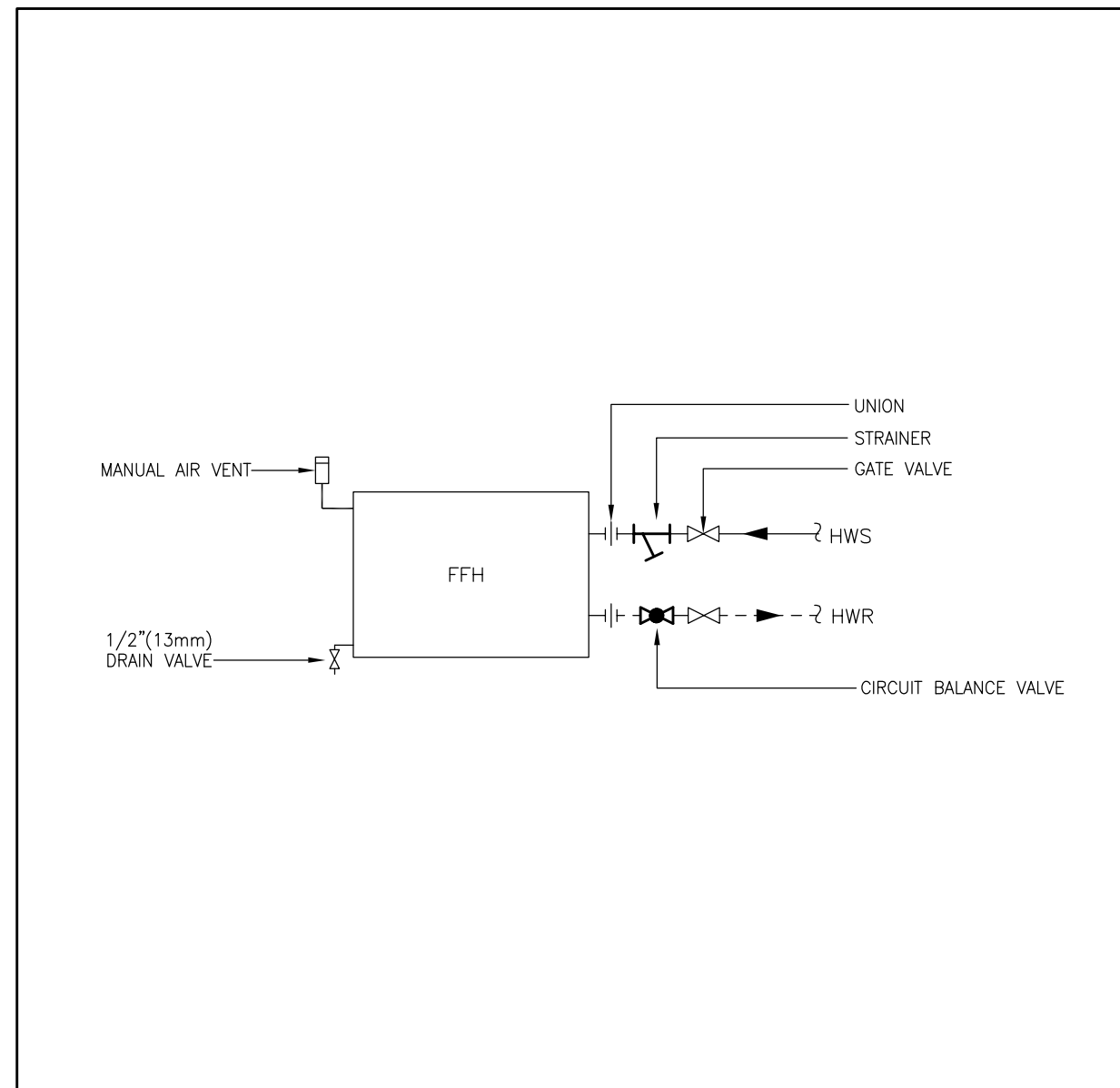
Drawing Title

NEW WORK PLANS

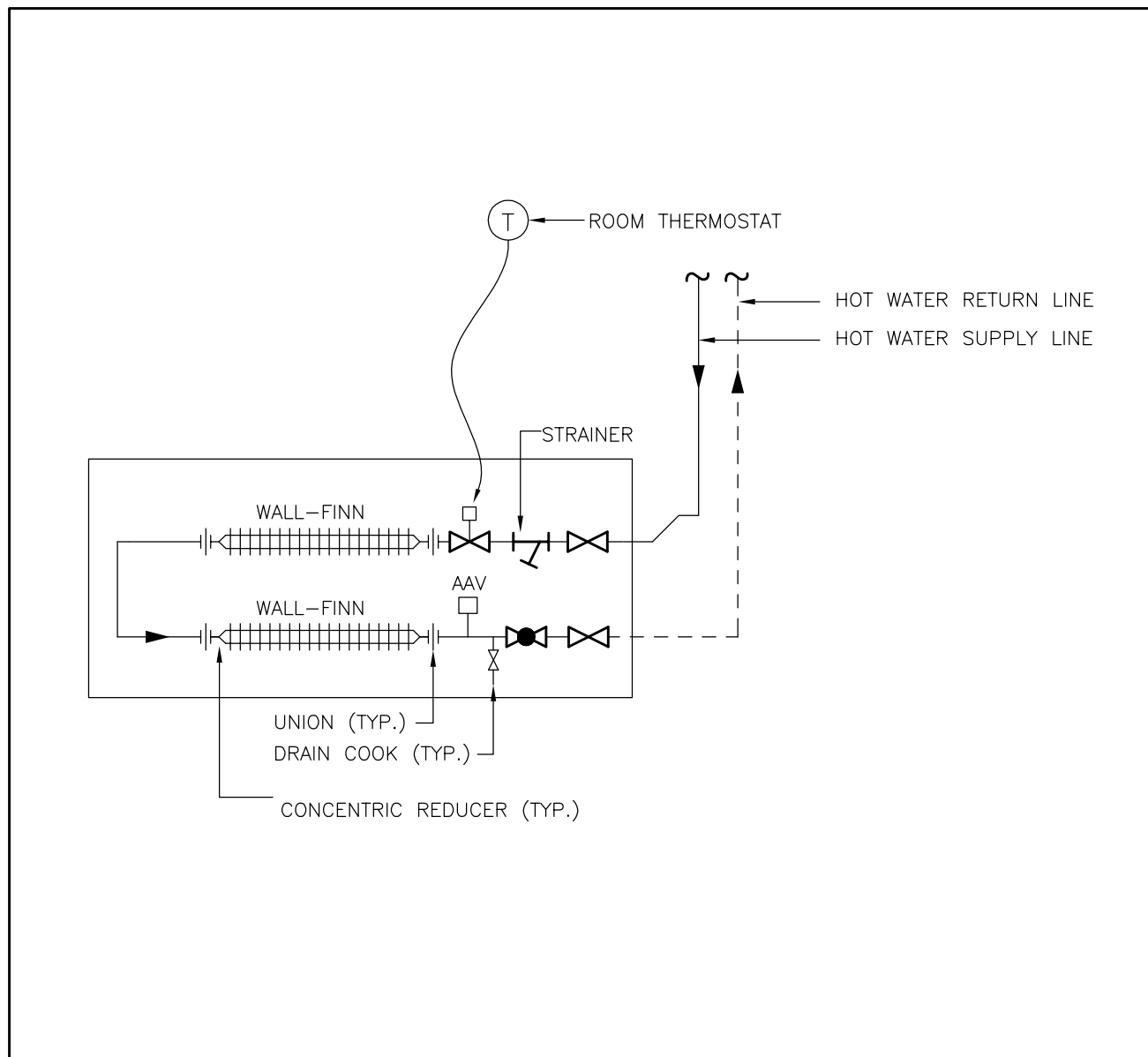
Graphic Scale		Sheet no.
AS SHOWN		M8
Drawn RS	Checked SS	
CAD File -	Scale AS NOTED	Revision No.
Date DECEMBER 2022	Project No. 23-124	



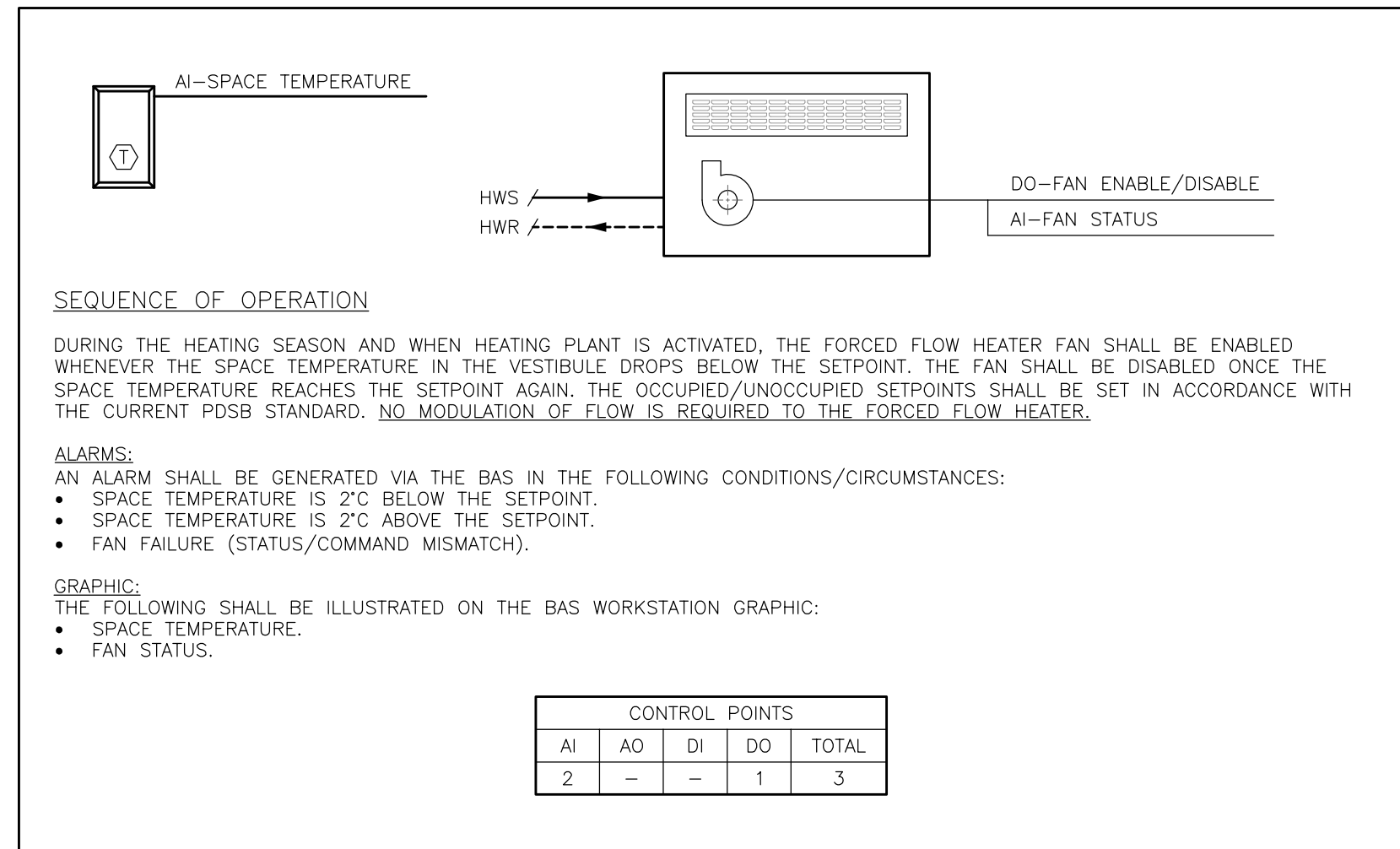
1 PIPE SUPPORT & HANGER DETAIL
M9 SCALE: N.T.S.



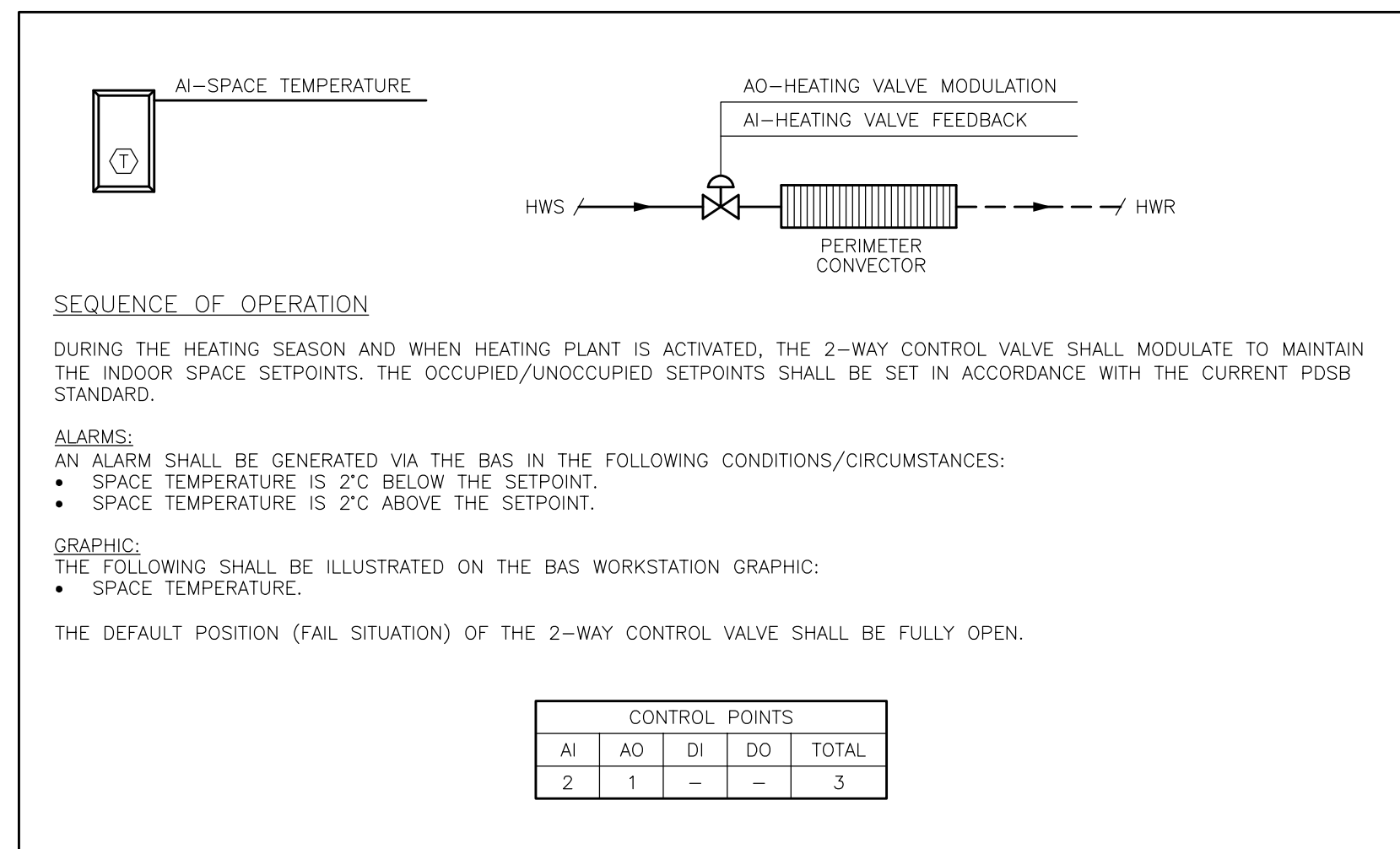
2 FORCED FLOW HEATER PIPING DETAIL
M9 SCALE: N.T.S.



3 HOT WATER PERIMETER CONVECTOR PIPING DETAIL - SINGLE
M9 SCALE: N.T.S.



4 FORCED FLOW HEATER BAS CONTROL SCHEMATIC
M9 SCALE: N.T.S.



5 PERIMETER CONVECTOR CONTROL SCHEMATIC
M9 SCALE: N.T.S.

FORCED FLOW HEATER SCHEDULE													
EQUIPMENT DESIGNATION	MANUFACTURER	MODEL	UNIT CONFIG.	UNIT SIZE (mm)	UNIT WEIGHT (KG)	HEATING CAPACITY (kW)	HEATING FLOW (L/S)	WPD (kPa)	AIRFLOW (L/S)	MOUNTING	MOTOR HP MOTOR RPM	CONTROLLED BY	VOLTAGE MOCP (A)
FFH-1	ENGINEERED AIR	CUH-1	4	660x711x241	34	4.7	0.10	6.35	87	WALL, SURFACE MOUNTED	1/25 1050 RPM	BAS	120V/1ø/60 15A
FFH-2	ENGINEERED AIR	CUH-4	4	965x711x241	50	8.9	0.19	4.30	175	WALL, SURFACE MOUNTED	1/20 1075 RPM	BAS	120V/1ø/60 15A

NOTES:
 1. HEATERS SHALL BE CONTROLLED BY A WALL-MOUNTED THERMOSTAT (BY CONTROLS CONTRACTOR). BAS WILL ENABLE/DISABLE FAN AS REQUIRED. NO MODULATION OF WATER FLOW REQUIRED.
 2. COLOR/FINISH: COMPUTER WHITE (FINAL COLOUR SELECTION MAY CHANGE AT THE SHOP DRAWING STAGE BY THE ARCHITECT, ALTERNATE SELECTION WILL BE FROM THE ENGINEERED AIR STANDARD COLOUR PALETTE).

FAN SCHEDULE												
EQUIPMENT DESIGNATION	MANUFACTURER	MODEL NO.	SERVICE	FAN TYPE	AIRFLOW (L/S)	ESP (Pa)	UNIT SIZE (WxLxH) mm	UNIT WEIGHT (KG)	MOTOR RPM	SONE	CONTROLLED BY	VOLTAGE MOCP
EF-1	GREENHECK	SP-A200	STORAGE ROOM (170A)	IN-CEILING; DIRECT DRIVE	94	62	356x302x286	11.0	900	3.0	LOCAL SWITCH	120V/1ø/60 15A
EF-2	GREENHECK	SP-A250	STORAGE ROOM (189)	IN-CEILING; DIRECT DRIVE	141	62	356x302x286	11.0	900	3.0	LOCAL SWITCH	120V/1ø/60 15A

NOTES:
 1. SUBMIT SHOP DRAWINGS FOR ALL EXHAUST FANS C/W PERFORMANCE DATA, FAN CURVES AND OTHER DETAILS AS PER SHOP DRAWING SUBMITTAL REQUIREMENTS.
 2. EXHAUST FAN SHALL COME C/W VIBRATION ISOLATION KIT FROM THE MANUFACTURER.
 3. DUCTWORK CONNECTION TO EXHAUST FAN SHALL BE OF FLEXIBLE TYPE.

DIFFUSER, GRILLES AND LOUVER SCHEDULE									
DESIGNATION	MANUFACTURER	MODEL NO.	TYPE	SIZE	NECK SIZE	COLOUR/FINISH	FIRE RATED	VOLUME CONTROL	NOTES
'LV-1'	EH PRICE	DE439	EXTERIOR LOUVER	AS PER DRAWING	-	BRONZE	NO	-	SEE NOTES 1, 2, 3 BELOW

NOTES:
 1. SUBMIT SHOP DRAWINGS FOR ALL DIFFUSERS, GRILLES AND LOUVERS PRIOR TO ORDERING.
 2. PROVIDE A PHYSICAL COLOUR CHIP TO THE ARCHITECT DURING SHOP DRAWING SUBMISSION FOR APPROVAL PRIOR TO ORDERING.
 3. LOUVER SHALL BE COMPLETE WITH ALUMINUM BIRDSCREEN.

WALL-FIN HYDRONIC CONVECTOR SCHEDULE											
EQUIPMENT DESIGNATION	MANUFACTURER	MODEL	HWS TEMP.	HWR TEMP.	HEAT OUTPUT	MOUNTING HEIGHT	ROW QTY	ENCLOSURE HEIGHT	FINISH	CONTROLLED BY	NOTES
CV-A	ENGINEERED AIR	WF-5A	82.2 DEGS. C	71.1 DEGS. C	1.42 kW/m	SEE BELOW	2 ROW (127mm CENTERS)	457mm	COMPUTER WHITE	BAS	SEE NOTES BELOW

NOTES:
 1. PROVIDE 450x450 ACCESS PANEL SECTION C/W LOCKABLE ACCESS DOOR AT THE END OF EACH CONVECTOR (THE END WHERE THE PIPING ENTERS THE CONVECTOR) FOR ACCESS TO ALL CONTROLS, VALVES, ETC.
 2. PROVIDE ALL NECESSARY ACCESSORIES, INCLUDING END CAPS, CORNER PIECES, ETC. AS REQUIRED.
 3. COLOR/FINISH: COMPUTER WHITE (FINAL COLOUR SELECTION MAY CHANGE AT THE SHOP DRAWING STAGE BY THE ARCHITECT, ALTERNATE SELECTION WILL BE FROM THE ENGINEERED AIR STANDARD COLOUR PALETTE).
 4. MOUNTING HEIGHT: MOUNT CONVECTORS 100mm BELOW THE CEILING MEASURED TO THE TOP EDGE OF THE CONVECTOR ENCLOSURE

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Drawing North True North

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Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
SCHEDULES & SCHEMATICS

Graphic Scale AS SHOWN		Sheet no.
Drawn RS	Checked SS	M9
CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.

LIGHTING LEGEND	
A1	STANDARD TYPE 'A1' LIGHT FIXTURE AS SCHEDULED
A1	TYPE 'A1' LIGHT FIXTURE AS SCHEDULED, CONNECTED TO THE EMERGENCY POWER SOURCE (INVERTER OR GENERATOR)
B1	WALL-MOUNTED TYPE 'B1' LIGHT FIXTURE AS SCHEDULED
\$	LOW-VOLTAGE, TOGGLE LIGHT SWITCH, AS SPECIFIED.
\$D	LOW-VOLTAGE, TOGGLE & DIMMER LIGHT SWITCH, AS SPECIFIED.
\$K	LOW-VOLTAGE, KEY-SWITCH TYPE LIGHT SWITCH, AS SPECIFIED.
\$MS	LOW-VOLTAGE, KEY-SWITCH TYPE MASTER LIGHT SWITCH, AS SPECIFIED. CONTROLS ALL CORRIDOR, WASHROOM AND VESTIBULE LIGHTING
\$OS	LOW-VOLTAGE LIGHT SWITCH COMPLETE WITH INTEGRAL OCCUPANCY SENSOR, AS SPECIFIED.
OS	CORNER/WALL-MOUNTED, LOW-VOLTAGE OCCUPANCY SENSOR, AS SCHEDULED
OS	CEILING-MOUNTED, LOW-VOLTAGE OCCUPANCY SENSOR, AS SCHEDULED
O	EXTERIOR-GRADE, WALL-MOUNTED LIGHT FIXTURE
O	EXTERIOR-GRADE, LIGHT STANDARD COMPLETE WITH CONCRETE BASE
EM	EMERGENCY LIGHTING BATTERY UNIT C/W NO REMOTE HEADS
EM	EMERGENCY LIGHTING BATTERY UNIT C/W DUAL-HEAD REMOTE HEADS
EM	EMERGENCY LIGHTING DUAL-HEAD REMOTE HEAD
EM	EMERGENCY LIGHTING, WALL-MOUNTED EXIT SIGN
EM	EMERGENCY LIGHTING, CEILING-MOUNTED EXIT SIGN

POWER DEVICES & EQUIPMENT LEGEND	
Ø	SINGLE RECEPTACLE MOUNTED AT STANDARD HEIGHT; USE AND RATING FOR THE PURPOSE INTENDED
Ø	SINGLE RECEPTACLE MOUNTED AT HIGH LEVEL; USE AND RATING FOR THE PURPOSE INTENDED
Ø	15A, 120V DUPLEX RECEPTACLE MOUNTED AT STANDARD HEIGHT. 'T' DENOTES 20A, T-SLOT TYPE RECEPTACLE
Ø	15A, 120V DUPLEX RECEPTACLE MOUNTED AT HIGH LEVEL. 'T' DENOTES 20A, T-SLOT TYPE RECEPTACLE
Ø	15A, 120V, GFI DUPLEX RECEPTACLE MOUNTED AT HIGH LEVEL. 'T' DENOTES 20A, T-SLOT TYPE RECEPTACLE
▲	DIRECT POWER CONNECTION
□	UNFUSED DISCONNECT SWITCH
□	FUSED DISCONNECT SWITCH
□	DIRECT POWER CONNECTION COMPLETE UNFUSED DISCONNECT SWITCH
□	BLANK COVERPLATE COMPLETE WITH WIRING, CONDUIT, AND BACKBOX
J	ROUND JUNCTION BOX COMPLETE WITH COVERPLATE
J	SQUARE JUNCTION BOX COMPLETE WITH COVERPLATE
SC	FAN SPEED CONTROLLER
■	RECESSED ELECTRICAL PANEL, AS SCHEDULED
■	SURFACE-MOUNTED ELECTRICAL PANEL, AS SCHEDULED
CC-1	DEVICE/EQUIPMENT CONNECTED TO CIRCUIT #1 IN PANEL 'CC'

COMMUNICATIONS (VOICE/DATA) LEGEND	
▽	DATA OUTLET MOUNTED AT STANDARD HEIGHT EMPTY CONDUIT & BACKBOX ROUGH-IN
▽	TELEPHONE OUTLET MOUNTED AT STANDARD HEIGHT EMPTY CONDUIT & BACKBOX ROUGH-IN
▽	DATA OUTLET MOUNTED AT HIGH LEVEL EMPTY CONDUIT & BACKBOX ROUGH-IN
▽	TELEPHONE OUTLET MOUNTED AT HIGH LEVEL EMPTY CONDUIT & BACKBOX ROUGH-IN
WAP	WIRELESS ACCESS POINT EMPTY CONDUIT & BACKBOX ROUGH-IN

SYSTEMS DEVICE & EQUIPMENT LEGEND	
■	MODULAR CONTROL PANEL, SUPPLIED BY THE ARCHITECTURAL DIVISION
■	DOOR OPERATOR ACTUATOR BUTTON
KS	KEY SWITCH, TIED TO THE DOOR OPERATOR SYSTEM
HD	HAND DRYER, SUPPLIED AND INSTALLED BY DIVISION 26
PL	PUSH-TO-LOCK BUTTON TIED TO THE WASHROOM DOOR OPERATOR SYSTEM
ES	ELECTRIC STRIKE
HO	HOLD OPEN DEVICE
OH	'OCCUPIED-WHEN-LIT' LED ANNUNCIATOR TIED TO THE WASHROOM DOOR OPERATOR SYSTEM
EH	VISUAL INDICATOR TIED TO THE CALL-FOR-ASSISTANCE SYSTEM
E	EMERGENCY PUSH-BUTTON TIED TO THE CALL-FOR-ASSISTANCE SYSTEM
EH	AUDIBLE/VISUAL INDICATOR TIED TO THE CALL-FOR-ASSISTANCE SYSTEM

FIRE ALARM SYSTEM LEGEND	
●	RATE-OF-RISE HEAT DETECTOR
●	FIXED TEMPERATURE HEAT DETECTOR
●	SMOKE DETECTOR
■	PULL STATION C/W TAMPERPROOF, POLYCARBONATE COVER
■	FIRE ALARM SPEAKER
■	FIRE ALARM SPEAKER/STROBE
●	DUCT SMOKE DETECTOR
TL	REMOTE TROUBLE INDICATOR
FS	SPRINKLER/STANDPIPE FLOW SWITCH
SV	SPRINKLER/STANDPIPE SUPERVISED VALVE
■	FIRE ALARM ANNUNCIATOR
■	FIRE ALARM CONTROL PANEL

ACCESS CONTROL SYSTEM LEGEND	
CR	CARD READER
ES	ELECTRIC STRIKE
MS	AIPHONE MASTER STATION
SMS	AIPHONE SUB-MASTER STATION
DS	AIPHONE DOOR STATION
LC	LOCAL DOOR CONTACT SUPPLIED AND INSTALLED BY DIVISION 16; TIED TO THE LOCAL DOOR ALARM SYSTEM
EH	AUDIBLE/VISUAL ANNUNCIATOR TIED TO THE LOCAL DOOR ALARM SYSTEM

SECURITY SYSTEM LEGEND	
MD	MOTION DETECTOR EMPTY CONDUIT & BACKBOX ROUGH-IN
DC	MAGNETIC DOOR CONTACT EMPTY CONDUIT & BACKBOX ROUGH-IN
KP	KEYPAD EMPTY CONDUIT & BACKBOX ROUGH-IN
ES	ELECTRIC STRIKE

CLOCK SYSTEM LEGEND	
●	ANALOG CLOCK EMPTY CONDUIT & BACKBOX ROUGH-IN
→ ● ←	BI-DIRECTION ANALOG CLOCK, EMPTY CONDUIT & BACKBOX ROUGH-IN
●	ANALOG CLOCK TIED TO THE MASTER CLOCK SYSTEM - WALL-MOUNTED
→ ● ←	DUAL-FACE ANALOG CLOCK TIED TO THE MASTER CLOCK SYSTEM - WALL-MOUNTED
●	ANALOG CLOCK, BATTERY OPERATED - WALL-MOUNTED
→ ● ←	DUAL-FACE ANALOG CLOCK, BATTERY OPERATED - WALL-MOUNTED
MC	MASTER CLOCK SYSTEM CONTROLLER

AUDIO/VISUAL SYSTEM LEGEND	
AV	EMPTY BACKBOX COMPLETE WITH BLANK COVERPLATE AND 25mmC UP TO THE ACCESSIBLE CEILING SPACE PROVISION FOR FUTURE AV CABLING

PUBLIC ADDRESS (P.A.) SYSTEM LEGEND	
S	P.A. SPEAKER - FLUSH CEILING-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
SH	P.A. SPEAKER - WALL-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
→ S ←	P.A. SPEAKER, DUAL-FACE TYPE - WALL-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
SH	P.A. EXTERIOR HORN - WALL-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
EN	WEATHERPROOF PROGRAM BELL C/W ENCLOSURE
HS	P.A. HANDSET - WALL-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
HS	P.A. HANDSET - DESK-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
\$PC	P.A. PRIVACY CALL SWITCH EMPTY CONDUIT & BACKBOX ROUGH-IN
\$HS	P.A. HANDSET C/W INTEGRAL PRIVACY CALL SWITCH EMPTY CONDUIT & BACKBOX ROUGH-IN
ACC	P.A. ADMINISTRATIVE HANDSET EMPTY CONDUIT & BACKBOX ROUGH-IN
NR	P.A. NIGHT RINGER EMPTY CONDUIT & BACKBOX ROUGH-IN
▲ A	P.A. LOCKDOWN 'AMBER' STROBE EMPTY CONDUIT & BACKBOX ROUGH-IN
▲ B	P.A. INCOMING CALL 'BLUE' STROBE EMPTY CONDUIT & BACKBOX ROUGH-IN
VC	P.A. WALL-MOUNTED VOLUME CONTROL SWITCH EMPTY CONDUIT & BACKBOX ROUGH-IN
CH	P.A. RED LOCKDOWN BUTTON C/W POLYCARBONATE LIFT-ABLE COVER EMPTY CONDUIT & BACKBOX ROUGH-IN
SC	P.A. SPEAKER C/W INTEGRATED CALL SWITCH EMPTY CONDUIT & BACKBOX ROUGH-IN
● S	P.A. COMBINATION SPEAKER AND CLOCK UNIT - WALL-MOUNTED EMPTY CONDUIT & BACKBOX ROUGH-IN
PA	P.A. HEAD-END EQUIPMENT RACK
SR	P.A. SATELLITE EQUIPMENT RACK

ACRONYM LEGEND	
ACRONYM	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
CTE	CONNECT TO EXISTING
ER	DENOTES EXISTING DEVICE OR EQUIPMENT TO BE RELOCATED
EX	DENOTE EXISTING DEVICE OR EQUIPMENT TO REMAIN
GFI	DENOTE DEVICE OR EQUIPMENT WITH GFI PROTECTION
HL	DENOTES DEVICE OR EQUIPMENT AT HIGH LEVEL
LV	LOW VOLTAGE
N	DENOTES NEW DEVICE OR EQUIPMENT
NL	DENOTES NIGHT LIGHT FIXTURE
R	DENOTES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED
RE	DENOTES RELOCATED POSITION OF AN EXISTING DEVICE OR EQUIPMENT
RP	DENOTES EXISTING DEVICE OR EQUIPMENT TO BE REPLACED
RT	DENOTES ROOFTOP DEVICE OR EQUIPMENT
T	T-SLOT, 20A, DEVICE
TP	DENOTES TAMPERPROOF DEVICE OR EQUIPMENT
WG	DENOTES DEVICE OR EQUIPMENT WITH A WIREGUARD
WP	DENOTES WEATHERPROOF TYPE DEVICE OR EQUIPMENT

GENERAL NOTES	
1.	IT IS MANDATORY FOR THE ELECTRICAL CONTRACTOR TO VISIT THE SITE <u>PRIOR TO BIDDING</u> AND REVIEW EXISTING CONDITIONS AND DEMOLITION SCOPE OF WORK TO SUIT EXISTING ARCHITECTURAL, STRUCTURAL AND MECHANICAL SITE CONDITIONS, DRAWINGS, SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. NO EXTRA WILL SUBSEQUENTLY BE ALLOWED TO COVER ANY SUCH ERROR, OMISSION AND/OR OVERSIGHT FOR NOT HAVING MADE A THOROUGH INSPECTION OF THE GROUNDS, EXISTING CONDITIONS, DRAWINGS, SPECIFICATION AND DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN OPERATION THROUGHOUT DEMOLITION/CONSTRUCTION. ALLOW FOR ANY WORK REQUIRED TO BE DONE WHICH MAY AFFECT POWER SUPPLY AND OPERATION OF THE BUILDING TO BE CARRIED OUT AFTER HOURS OR AT A TIME CONVENIENT TO THE BUILDING MANAGEMENT. PROVIDE TEMPORARY SERVICES AS REQUIRED TO ENSURE CONTINUED OPERATION AT ALL TIMES.
2.	CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO START THE ELECTRICAL CONSTRUCTION WORKS AND COORDINATE WITH OTHER TRADES AND REPORT OF ANY DISCREPANCY PRIOR TO PROCEEDING.
3.	THESE DRAWINGS SHALL BE READ & PRICED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND SPECIFICATIONS AS WELL AS ALL OTHER DOCUMENTS FORMING THIS BID. INCLUDE FOR THE SUPPLY AND INSTALLATION OF POWER, SYSTEMS, AND LIGHTING AS PER THE COMPLETE CONSTRUCTION DOCUMENTS. NO EXTRA COST WILL BE ACCEPTED IN FAILURE TO OBTAINING AND/OR REVIEW OF SUCH DOCUMENTS. REFER TO ARCHITECTURAL, ELECTRICAL, STRUCTURAL AND MECHANICAL LAYOUTS IN CONJUNCTION FOR EXACT LOCATION OF ALL EQUIPMENT. REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER PRIOR TO COMMENCING WORK. NO EXTRA WILL BE PROVIDED AS A RESULT OF A FAILURE TO DO SO.
4.	IT IS MANDATORY THAT ELECTRICAL WORK CONFORM TO ALL APPLICABLE CODES (INCLUDING THE ONTARIO BUILDING, FIRE, AND ONTARIO ELECTRICAL SAFETY CODE), BASE BUILDING (BOARD) STANDARDS, AND THE STANDARDS SET BY ANY AND ALL LOCAL AUTHORITIES HAVING JURISDICTION.
5.	LOCATIONS OF ALL NEW DISCONNECT SWITCHES AND STARTERS SHALL BE CONFIRMED WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. STARTERS FOR EXHAUST FANS SHALL BE SUPPLIED AND INSTALLED BY DIVISION 26.
6.	ALL ELECTRICAL WORK SHALL BE INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY (ESA). ARRANGE AND PAY FOR ALL INSPECTIONS REQUIRED FOR THE DURATION OF THE PROJECT.
7.	THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR HIRING A FIRE WATCH AS REQUIRED BY CODE, LOCAL AUTHORITIES HAVING JURISDICTION, AND DURING ANY ALTERATION OR DOWNTIME OF THE FIRE ALARM SYSTEM. FIRE WATCH SHALL BE PRESENT THROUGHOUT THE DOWNTIME DURATION.
8.	DURING CONSTRUCTION, IT IS CRITICAL THAT THE ELECTRICAL CONTRACTOR COORDINATES ITS WORK WITH ALL OTHER TRADES. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SCOPE OF WORK OF OTHER TRADES (INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL, MECHANICAL, STRUCTURAL, MILLWORK, ETC.) IN CONJUNCTION WITH THE PROPOSED ELECTRICAL SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL ESPECIALLY REVIEW MECHANICAL CONNECTOR AND NEW MILLWORK LOCATIONS AND IDENTIFY ANY POSSIBLE INTERFERENCES WITH THE PROPOSED ELECTRICAL WORK PRIOR TO ROUGH-IN (I.E. RECEPTACLE LOCATIONS SHALL BE SHIFTED FROM THE PROPOSED LOCATION TO ANOTHER LOCATION SHOULD THE CONTRACTOR FIND OUT DURING COORDINATION THAT MECHANICAL CONNECTORS ARE BEING INSTALLED IN A CERTAIN LOCATION. SIMILARLY, RECEPTACLE HEIGHTS SHALL BE ADJUSTED IN THE EVENT THAT NEW, PROPOSED MILLWORK MIGHT BLOCK PROPOSED RECEPTABLES. NO EXTRA WILL BE PERMITTED OF AN ERROR RELATED TO A LACK OF COORDINATION ON SITE.
9.	THE ELECTRICAL CONTRACTOR SHALL LABEL ALL NEW AND EXISTING LIGHT SWITCHES, RECEPTABLES AND JUNCTION BOXES COVERPLATES WITH THE PANEL NAME AND BREAKER IT IS FED FROM. ALL LABELING OF ELECTRICAL DEVICES SHALL BE DONE SO WITH A LABELMAKER ONLY. NO HAND WRITTEN LABELS WILL BE PERMITTED.
10.	WHERE NEW PARTITIONS ARE BEING CONSTRUCTION, ALL WIRING AND RACEWAYS SHALL BE EMBEDDED IN THE CONSTRUCTION OF THE NEW WALLS AND ALL BACKBOXES SHALL BE RECESSED. WHERE NEW DEVICES/SYSTEMS ARE PROPOSED ON EXISTING BLOCK WALLS, UTILIZE WIREMOLD 500/700 SERIES AS RACEWAY FOR ALL NEW WIRING. PROVIDE WIREMOLD BACKBOXES FOR SURFACE MOUNTED, INTERIOR APPLICATIONS. THE USE OF SHEET METAL BOXES WILL NOT BE PERMITTED.
11.	IN THE EVENT OF ANY DISCREPANCY BETWEEN THE ELECTRICAL DRAWINGS AND SPECIFICATIONS, ALLOW FOR THE HIGHEST-PRICED OPTION IN THE TENDER PRICE.
12.	ALL WIRING USED ON THIS PROJECT SHALL BE RUN IN RACEWAYS. NO USE OF ARMoured (BX) CABLE WILL BE PERMITTED WITH THE EXCEPTION OF RUNS NOT TO EXCEED 5' BETWEEN A LIGHT FIXTURE AND THE RESPECTIVE JUNCTION BOX.
13.	FOR ALL NEW SERVICES RUN IN THE EXISTING SCHOOL, RUN ABOVE THE EXISTING DROP CEILING.

DRAWING LIST	
DRAWING NUMBER	DESCRIPTION
E1	ELECTRICAL LEGEND AND NOTES
E2	POOL TUNNEL & FIRST FLOOR KEY PLAN
E3	SECOND FLOOR KEY PLAN
E4	ROOF KEY PLAN
E5	DEMOLITION PLANS
E6	DEMOLITION PLANS
E7	NEW WORK PLANS

Notes 1. Contractor shall check and verify all dimensions and shall report discrepancies to ETUDE ARCHITECTS INC. prior to construction. 2. Do not scale this drawing. ETUDE ARCHITECTS INC. accepts no responsibility for measurements scaled from the drawings. 3. All drawings and specifications are the property of ETUDE ARCHITECTS INC., who reserves his copyright with respect to this document. It shall not be duplicated, used or circulated for any other purpose than that for which it was issued, and must be returned on completion of the project to ETUDE ARCHITECTS INC.	Drawing North True North
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1022 WHITE CLOVER WAY MISSISSAUGA, ONTARIO L5V 1C8 T (905)-290-7861 F (289)-327-3420	ELECTRICAL MECHANICAL LIGHTING COMMUNICATION SECURITY

3.	ISSUED FOR TENDER	MAR. 27/24
2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23
NO.	DESCRIPTION	DATE
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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

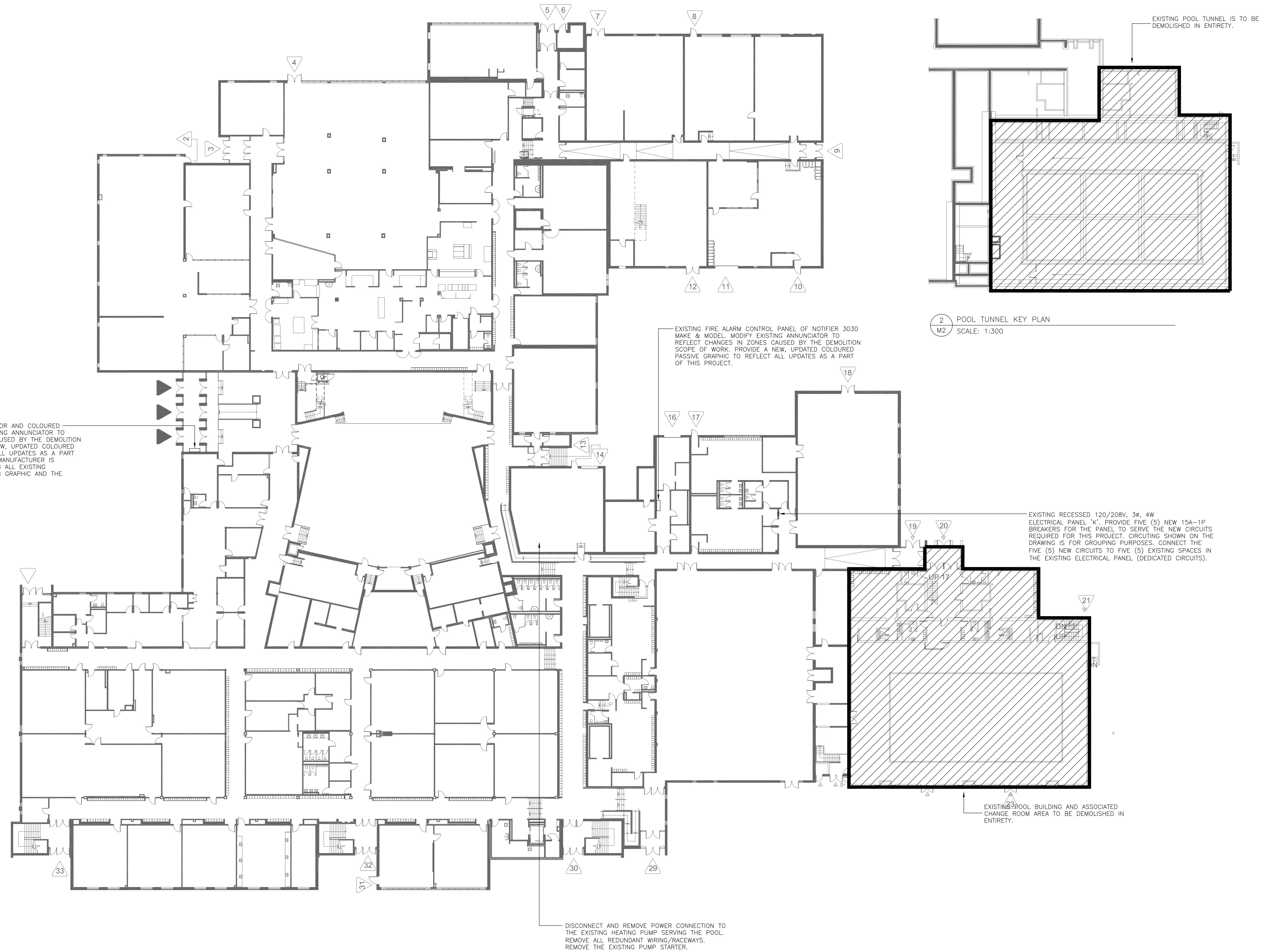
POOL DEMOLITION

Drawing Title
ELECTRICAL LEGEND AND NOTES

Graphic Scale AS SHOWN		Sheet no.
Drawn RS	Checked SS	E1
CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.

THE FOLLOWING ARE THE FIRE ALARM ZONES SERVING THE AREAS BEING DEMOLISHED AS PART OF THIS PROJECT. AS A RESULT, THE FOLLOWING ARE THE FIRE ALARM ZONES THAT WILL BE REMOVED AS PART OF THIS PROJECT.

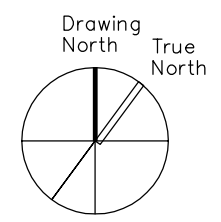
FAZ-1 - UNDER POOL CORRIDOR & POOL MECHANICAL ROOM
 FAZ-2 - POOL AREA
 FAZ-18 - POOL BALCONY
 FAZ-23 - EXTERIOR STORAGE BESIDE POOL
 FAZ-28 - POOL SUPPLY AIR UNIT - DUCT SMOKE DETECTORS



1 FIRST FLOOR KEY PLAN
 E2 SCALE: 1:300

2 POOL TUNNEL KEY PLAN
 M2 SCALE: 1:300

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NO.	DESCRIPTION	DATE
4.	ISSUED FOR TENDER	MAR. 27/24
3.	RESPONSE TO PERMIT COMMENTS	MAR. 14/24
2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23

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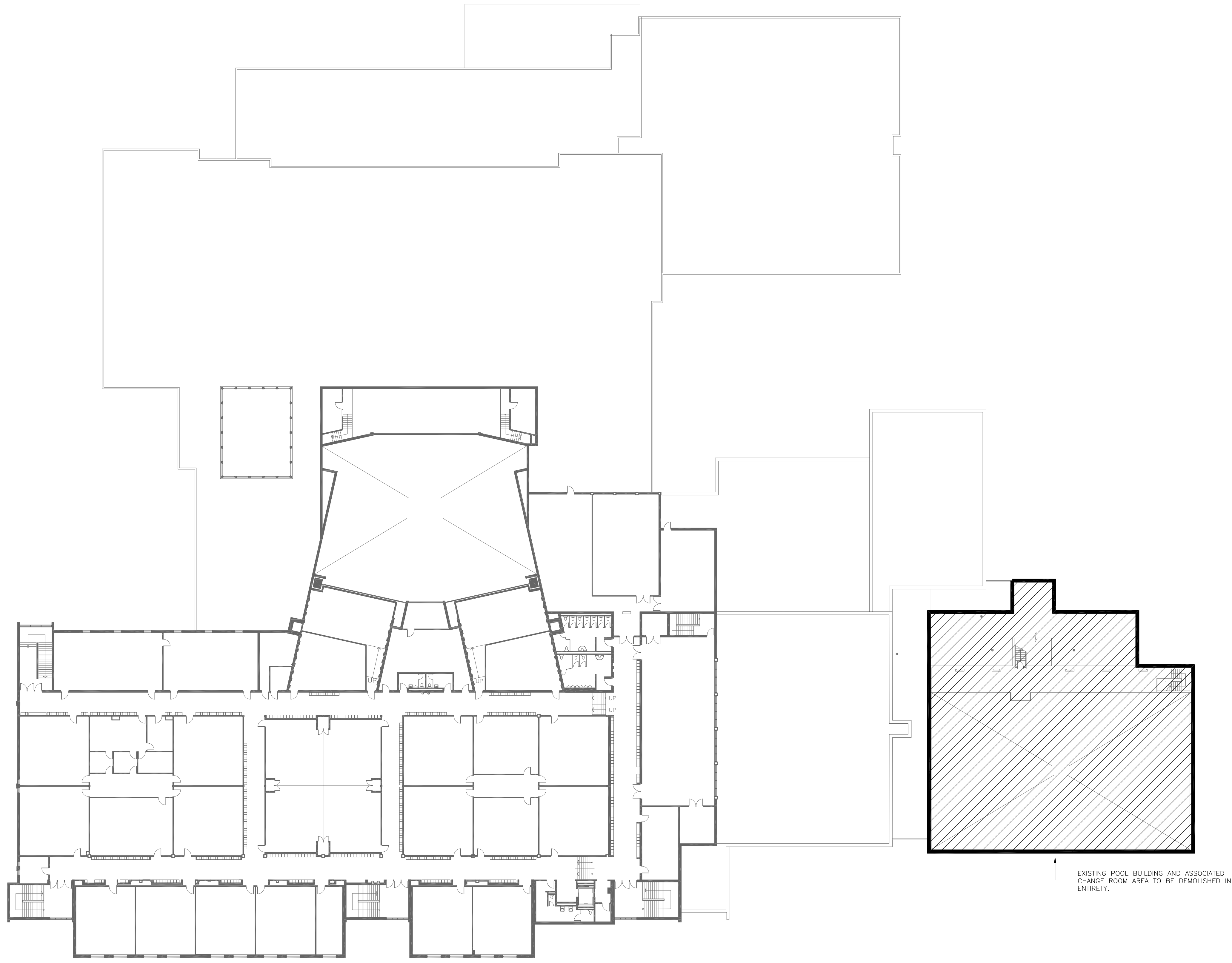


Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

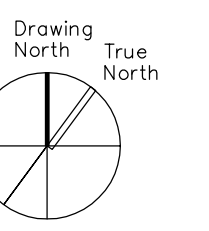
Drawing Title
POOL TUNNEL & FIRST FLOOR KEY PLAN

Graphic Scale		Sheet no.
AS SHOWN		E2
Drawn RS	Checked SS	
CAD File -	Scale AS NOTED	Revision No.
Date DECEMBER 2022	Project No. 23-124	



1 SECOND FLOOR KEY PLAN
E3 SCALE: 1:300

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GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

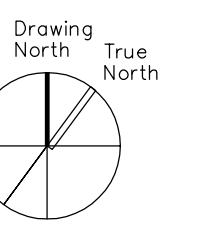
Drawing Title
SECOND FLOOR KEY PLAN

Graphic Scale AS SHOWN		Sheet no.
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Date DECEMBER 2022	Project No. 23-124	Revision No.



1 ROOF KEY PLAN
E4 SCALE: 1:300

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3.	ISSUED FOR TENDER	MAR. 27/24
2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23

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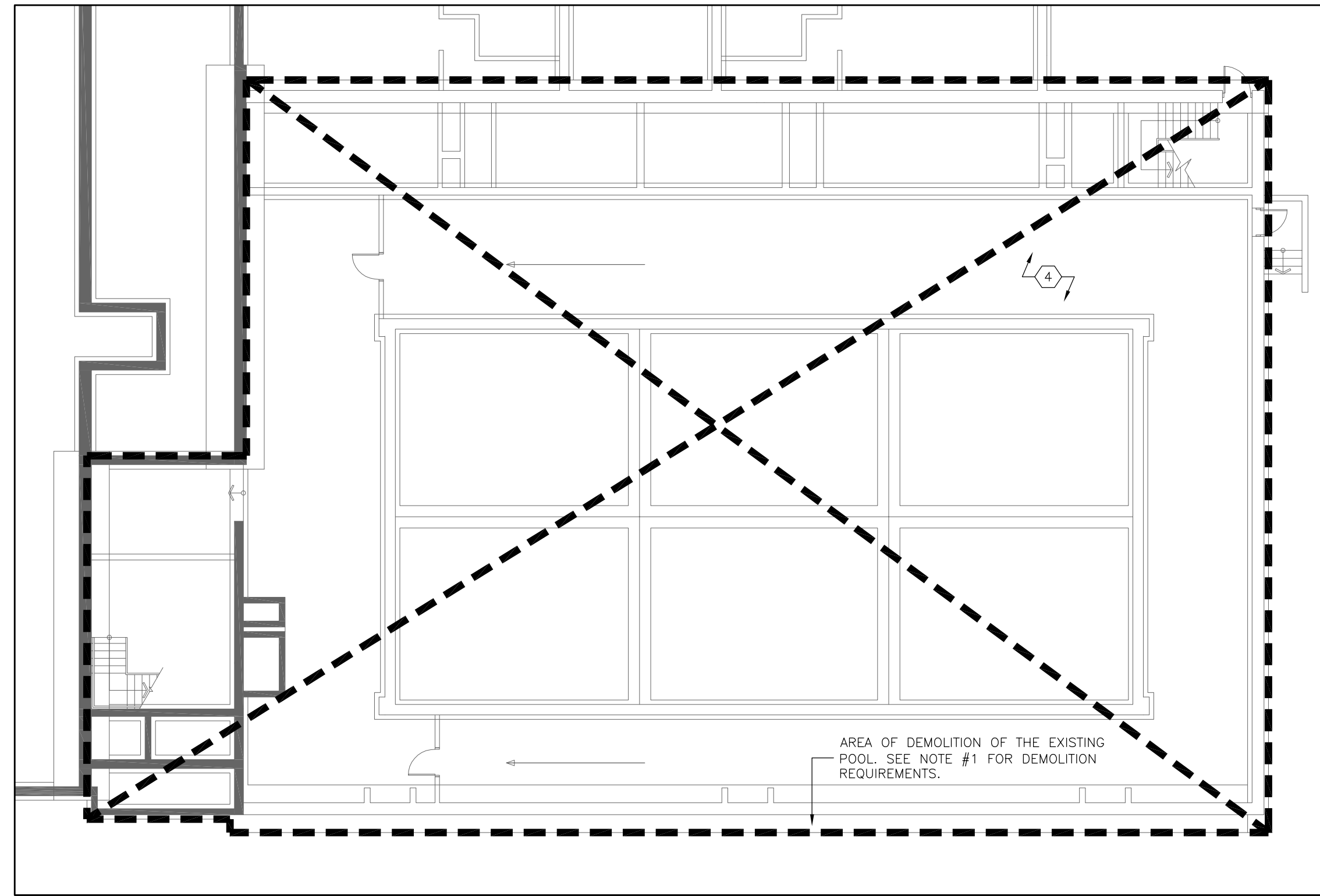


Project Name
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
ROOF KEY PLAN

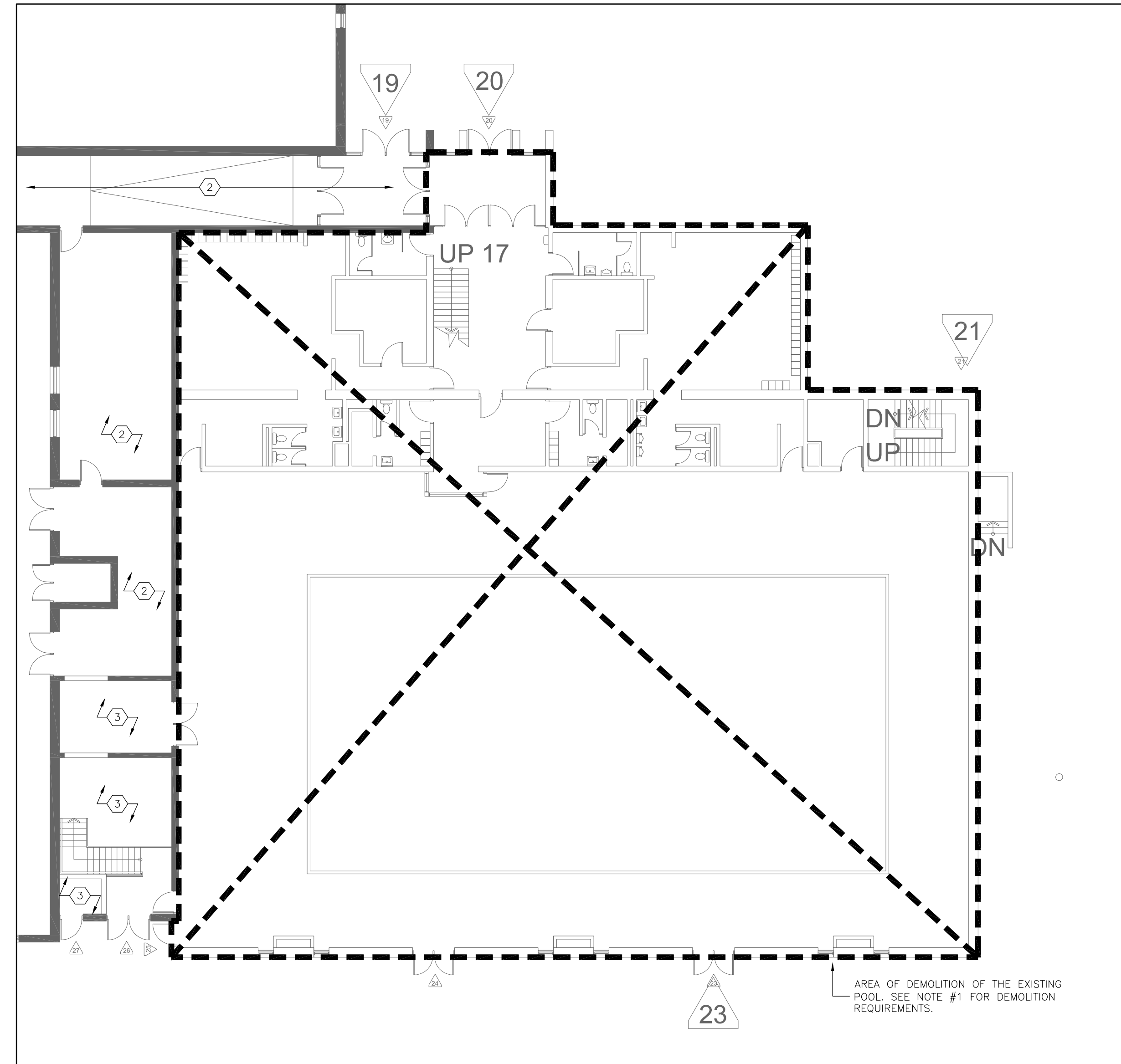
Graphic Scale AS SHOWN	Sheet no. E4
Drawn RS	Checked SS
CAD File -	Scale AS NOTED
Date DECEMBER 2022	Project No. 23-124
	Revision No.



1 POOL TUNNEL – ELECTRICAL DEMOLITION PLAN
E5 SCALE: 1:150

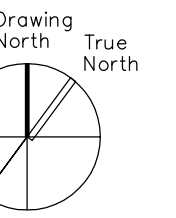
DRAWING NOTES:

- DEMOLISH ALL EXISTING ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT WITHIN THE AREA OF DEMOLITION. THOROUGHLY REVIEW THE EXISTING SITE TO UNDERSTAND THE FULL EXTENT OF EXISTING SYSTEMS AND DEMOLITION REQUIRED. SEE BOOK SPECIFICATIONS FOR ARCHIVE DRAWINGS AVAILABLE RELATED TO THE SPACES TO BE DEMOLISHED. REMOVE ALL ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT SHOWN ON THE ARCHIVE DRAWINGS AND AS OTHERWISE PRESENT ON SITE. INCLUDE FOR TRACING AND ISOLATING OF ALL EXISTING ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT LOCATED WITHIN THE AREA OF DEMOLITION. TRACE AND VERIFY ALL CONDUITS RUNNING WITHIN THE AREA OF DEMOLITION. UPON REMOVAL OF ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT, REMOVE ALL ASSOCIATED AND REDUNDANT WIRING AND RACEWAYS IN ENTIRETY TO THE RESPECTIVE SOURCE. REMOVAL OF ALL THE DEVICES, SYSTEMS AND EQUIPMENT C/W ALL ASSOCIATED WIRING/RACEWAYS SHALL BE COMPLETED PRIOR DEMOLITION OF THE POOL. IDENTIFY ANY CONDUITS AND/OR WIRING SERVING AREAS OUTSIDE OF THE AREA OF DEMOLITION; CONSULT WITH THE ENGINEER PRIOR TO DEMOLITION. INCLUDE FOR THE REMOVAL OF TWENTY (20) EXISTING FIRE ALARM DEVICES (NOT DEPICTED ON THE ARCHIVE DRAWINGS) LOCATED WITHIN THE AREA BEING DEMOLISHED SHOWN ON THIS DRAWING. ENSURE ALL EXISTING TO REMAIN FIRE ALARM DEVICES REMAIN OPERATIONAL; INCLUDE FOR REWORKING OF EXISTING WIRING AS REQUIRED TO ACHIEVE UPON DEMOLITION. VERIFY ANY AFFECTED DEVICES AS PER CAN/ULC-5537. REMOVE ALL LOW-VOLTAGE WIRING IN ENTIRETY TO THE RESPECTIVE SOURCE(S). INCLUDE FOR THE DEMOLITION OF TWENTY (20) ADDITIONAL DEVICES/EQUIPMENT/SYSTEMS AS PRESENT ON SITE ABOVE ANY BEYOND THOSE SHOWN ON THE ARCHIVE PLANS.
- ALL EXISTING POWER, SYSTEMS AND LIGHTING IN THIS SPACE ARE TO REMAIN AS IS.
- ALL EXISTING POWER, SYSTEMS AND LIGHTING IN THIS SPACE ARE TO BE DEMOLISHED AND REPLACED WITH NEW – SEE NEW PLAN FOR NEW DETAILS.
- NOTE THAT THERE IS AN EXISTING GFI PLUG ON THE WALL THAT RESETS SELECT RECEPTACLES IN THE EXISTING GYM. RELOCATE THE EXISTING GFI PLUG AND ALL ASSOCIATED CONDUIT/WIRING TO THE PORTION OF THE SCHOOL BUILDING THAT IS TO REMAIN. RE-FEED RECEPTACLES IN THE GYM TO MAINTAIN CONTINUITY OF POWER IN THE GYM AFTER COMPLETION OF DEMOLITION OF THE POOL.



2 FIRST FLOOR – ELECTRICAL DEMOLITION PLAN
E5 SCALE: 1:150

- Notes
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3.	ISSUED FOR TENDER	MAR. 27/24
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1.	ISSUED FOR 90% REVIEW	MAR. 13/23
NO.	DESCRIPTION	DATE

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Project Name

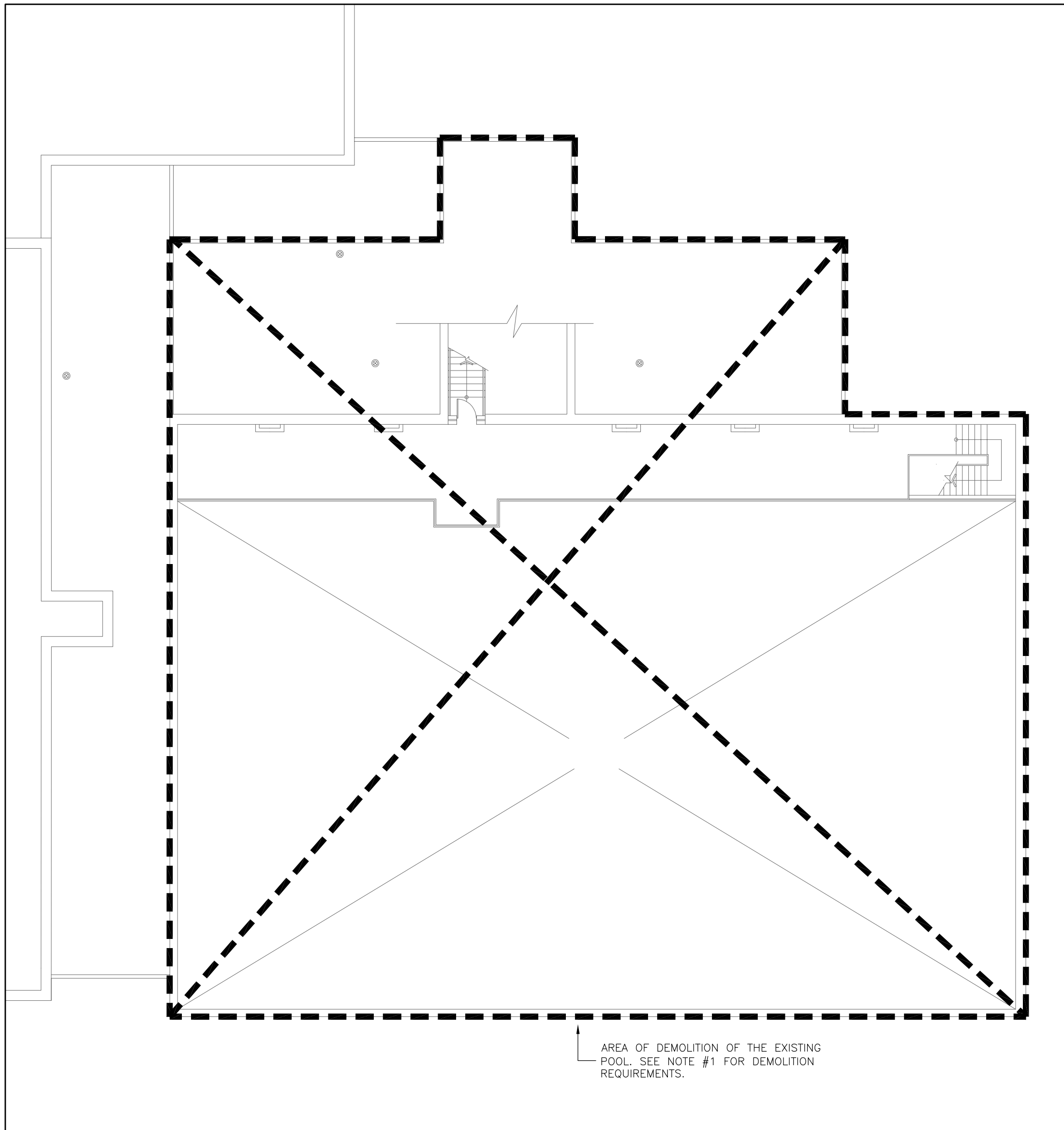
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title

DEMOLITION PLANS

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Drawn RS	Checked SS	E5
CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.

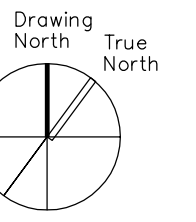


1 POOL GALLERY & ROOF - ELECTRICAL DEMOLITION PLAN
E6 SCALE: 1:150

DRAWING NOTES:

1. DEMOLISH ALL EXISTING ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT WITHIN THE AREA OF DEMOLITION. THOROUGHLY REVIEW THE EXISTING SITE TO UNDERSTAND THE FULL EXTENT OF EXISTING SYSTEMS AND DEMOLITION REQUIRED. SEE BOOK SPECIFICATIONS FOR ARCHIVE DRAWINGS AVAILABLE RELATED TO THE SPACES TO BE DEMOLISHED. REMOVE ALL ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT SHOWN ON THE ARCHIVE DRAWINGS AND AS OTHERWISE PRESENT ON SITE. INCLUDE FOR TRACING AND ISOLATING OF ALL EXISTING ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT LOCATED WITHIN THE AREA OF DEMOLITION. TRACE AND VERIFY ALL CONDUITS RUNNING WITHIN THE AREA OF DEMOLITION. UPON REMOVAL OF ELECTRICAL DEVICES, SYSTEMS AND EQUIPMENT, REMOVE ALL ASSOCIATED AND REDUNDANT WIRING AND RACEWAYS IN ENTIRETY TO THE RESPECTIVE SOURCE. REMOVAL OF ALL THE DEVICES, SYSTEMS AND EQUIPMENT C/W ALL ASSOCIATED WIRING/RACEWAYS SHALL BE COMPLETED PRIOR TO DEMOLITION OF THE POOL. IDENTIFY ANY CONDUITS AND/OR WIRING SERVING AREAS OUTSIDE OF THE AREA OF DEMOLITION; CONSULT WITH THE ENGINEER PRIOR TO DEMOLITION. INCLUDE FOR THE REMOVAL OF TWENTY (20) EXISTING FIRE ALARM DEVICES (NOT DEPICTED ON THE ARCHIVE DRAWINGS) LOCATED WITHIN THE AREA BEING DEMOLISHED SHOWN ON THIS DRAWING. ENSURE ALL EXISTING TO REMAIN FIRE ALARM DEVICES REMAIN OPERATIONAL; INCLUDE FOR REWORKING OF EXISTING WIRING AS REQUIRED TO ACHIEVE UPON DEMOLITION. VERIFY ANY AFFECTED DEVICES AS PER CAN/ULC-5537. REMOVE ALL LOW-VOLTAGE WIRING IN ENTIRETY TO THE RESPECTIVE SOURCE(S). INCLUDE FOR THE DEMOLITION OF TWENTY (20) ADDITIONAL DEVICES/EQUIPMENT/SYSTEMS AS PRESENT ON SITE ABOVE ANY BEYOND THOSE SHOWN ON THE ARCHIVE PLANS.

- Notes
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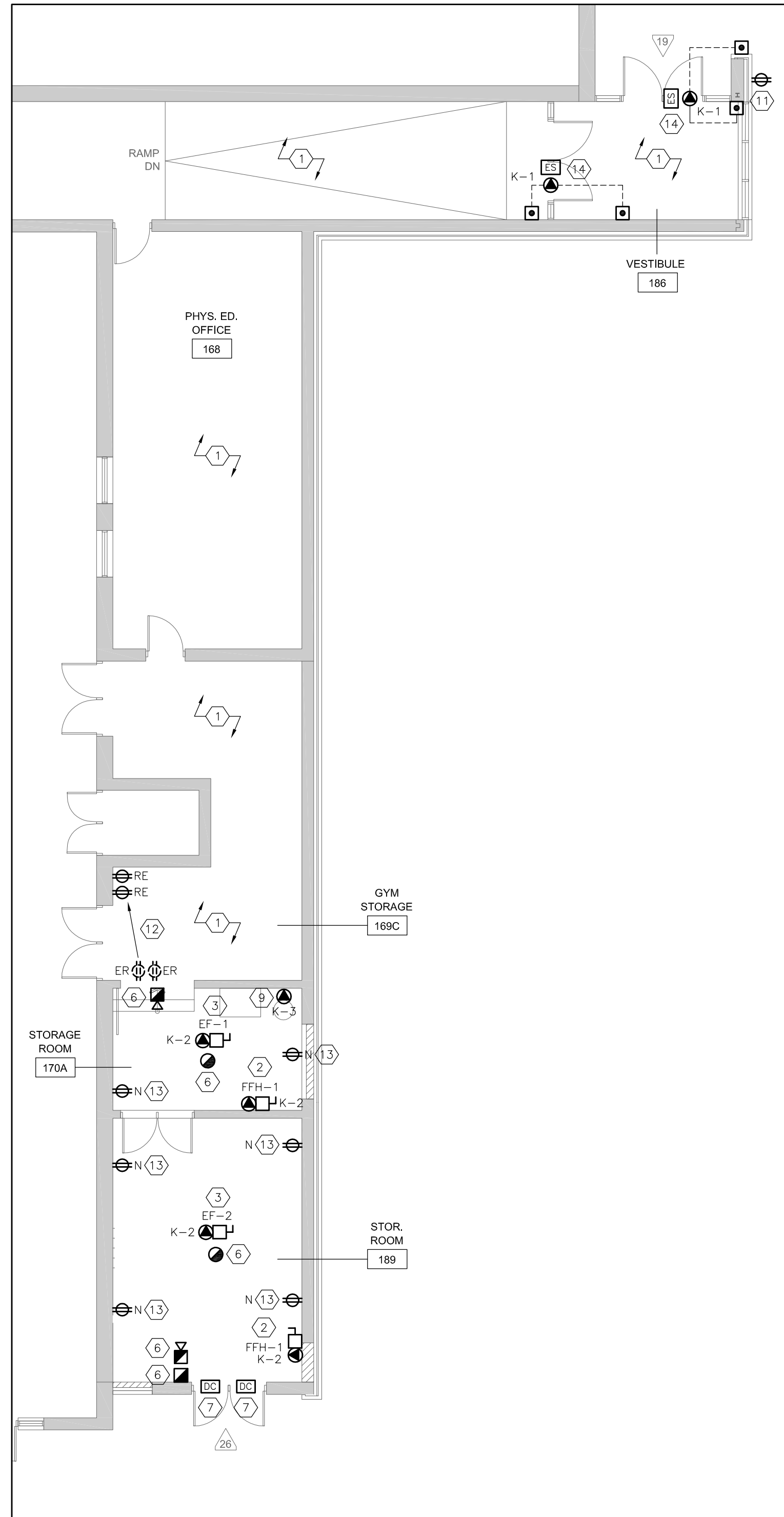


Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

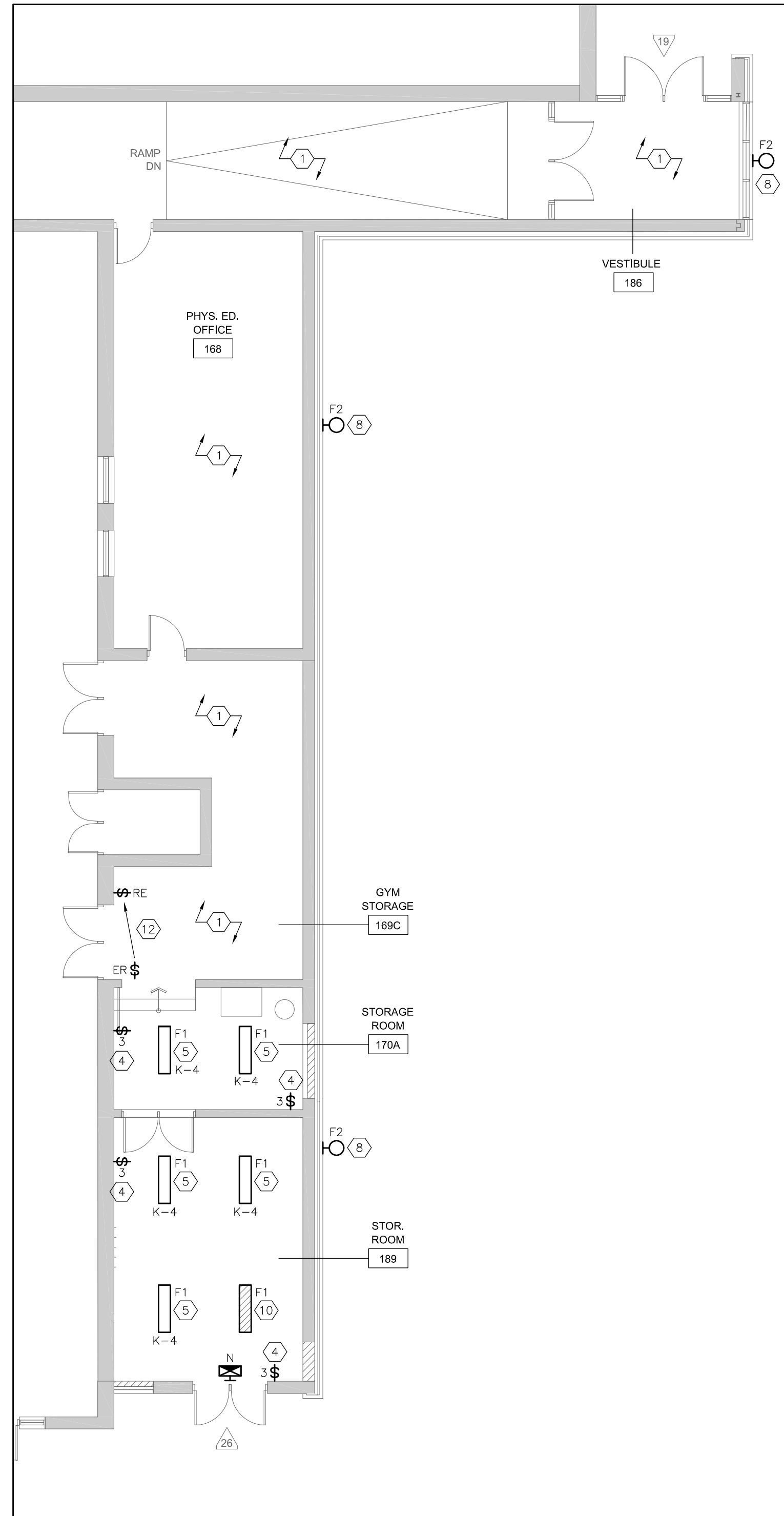
POOL DEMOLITION

Drawing Title
DEMOLITION PLANS

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CAD File -	Scale AS NOTED	
Date DECEMBER 2022	Project No. 23-124	Revision No.



1 NEW POWER & SYSTEMS PLAN - FIRST FLOOR PART PLAN
SCALE: 1:100

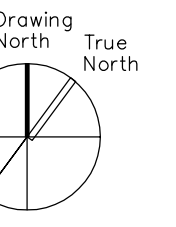


2 NEW LIGHTING PLAN - FIRST FLOOR PART PLAN
SCALE: 1:100

DRAWING NOTES:

- 1 ALL EXISTING POWER, SYSTEMS & LIGHTING IN THIS AREA IS TO REMAIN AS IS.
- 2 PROVIDE 120V POWER CONNECTION TO THE NEW FORCED FLOW HEATER. COORDINATE POWER CONNECTION WITH THE MECHANICAL CONTRACTOR. CONNECT TO THE NEAREST FORCED FLOW HEATER CIRCUIT SERVING THE AREA.
- 3 PROVIDE 120V POWER CONNECTION TO THE NEW EXHAUST FAN. COORDINATE POWER CONNECTION WITH THE MECHANICAL CONTRACTOR. FAN SHALL OPERATE BY THE LIGHT SWITCH SERVING THE ROOM.
- 4 PROVIDE NEW 3-WAY SWITCHES (WITH BUILT-IN OCCUPANCY SENSORS) FOR THE NEW STORAGE ROOMS AS SHOWN. SENSORS SHALL BE ACUITY NWSX PDT LV-WH OR APPROVED EQUAL C/W nPP16 D POWER PACKS.
- 5 PROVIDE NEW LIGHT FIXTURES FOR THE NEW STORAGE ROOMS AS SHOWN AND SPECIFIED. CONNECT TO THE LIGHTING CIRCUIT SERVING THE EXISTING GYM STORAGE (CONFIRM SUFFICIENT AVAILABLE LOAD ON THE CIRCUIT PRIOR TO CONNECTION).
FIXTURE TYPE 'F1' SHALL BE PLB14-40W-3CCT-W-UD C/W PLS14-SK SURFACE-MOUNTING KIT.
- 6 PROVIDE A NEW FIRE ALARM PULL STATION, HORN AND HEAT DETECTOR IN EACH STORAGE ROOM AS SHOWN. CONNECT TO THE EXISTING FIRE ALARM INITIATING ZONE SERVING THE GYM AREA (FAZ-3). CONNECT THE NEW SIGNALING DEVICES TO THE EXISTING SIGNALING CIRCUIT OF SUFFICIENT CAPACITY SERVING THE AREA. INSTALL ALL DEVICES AS PER CAN/ULC-S524 AND VERIFY AS PER CAN/ULC-S537.
ALL DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM ON SITE. SIGNALING DEVICE SHALL BE C/W SURFACE-MOUNTING KIT/SKIRT. DEVICE AND BACKBOXES SHALL BE RED. TONE OF THE NEW SIGNALING DEVICES SHALL MATCH THAT OF THE EXISTING IN THE SCHOOL. VERIFY AT THE TIME OF PRICING.
- 7 PROVIDE NEW ROUGH-IN FOR A NEW DOOR CONTACT. DOOR CONTACT SUPPLY/INSTALL AND ALL CABLING IS TO BE COMPLETED BY THE LOW-VOLTAGE CONTRACTOR AS PART OF THE CASH ALLOWANCE.
- 8 PROVIDE NEW EXTERIOR WALL-MOUNTED LED LIGHT FIXTURES WHERE SHOWN. MOUNT 10' ABOVE GRADE. CONNECT TO THE EXISTING EXTERIOR WALL-MOUNTED LIGHTING CIRCUIT SERVING THE NEARBY WALL-MOUNTED EXTERIOR FIXTURES.
FIXTURE TYPE 'F2' SHALL BE RAB AWL2S-LED80-VK-BRZ-DIM.
- 9 PROVIDE NEW 120V POWER CONNECTION/RECEPTACLE FOR THE EXISTING IRRIGATION SYSTEM CONTROLLER. CONNECT TO A DEDICATED CIRCUIT IN THE NEAREST ELECTRICAL PANEL WITH SUFFICIENT SPACE.
- 10 CONNECT SELECT FIXTURE TO THE EXISTING EMERGENCY LIGHTING CIRCUIT SERVING THE AREA. EMERGENCY LIGHT FIXTURE CIRCUIT IS BACKED UP BY THE EXISTING EMERGENCY GENERATOR SERVING THE SCHOOL.
- 11 NOTE THAT THERE IS AN EXISTING RECEPTACLE C/W SURFACE-MOUNTED CONDUIT/WIRING ON THIS WALL. TEMPORARILY REMOVE THE RECEPTACLE C/W SURFACE-MOUNTED CONDUIT/WIRING TO FACILITATE RECLADDING WORK OF THE COLUMN. RE-INSTATE THE RECEPTACLE AND CONCEAL ALL CONDUIT AND WIRING BEHIND THE NEW CLADDING.
- 12 RELOCATE THE EXISTING RECEPTACLES AND LIGHT SWITCHES AS SHOWN. EXTEND/MODIFY EXISTING WIRING/RACEWAYS AS REQUIRED.
- 13 PROVIDE NEW DUPLEX RECEPTACLES AS SHOWN. CONNECT TO THE EXISTING RECEPTACLE CIRCUIT SERVING THE RECEPTACLES IN THE GYM STORAGE ROOM.
- 14 PROVIDE 120V POWER CONNECTION TO THE NEW DOOR OPERATORS. PROVIDE NEW WIRING/RACEWAYS TO THE PUSH-TO-OPEN BUTTONS AND THE ELECTRIC STRIKE. CONNECT TO THE CIRCUIT NOTED. COORDINATE ALL WORK WITH THE DOOR OPERATOR SUPPLIER.

Notes
1. Contractor shall check and verify all dimensions and shall report discrepancies to ETUDE ARCHITECTS INC. prior to construction.
2. Do not scale this drawing. ETUDE ARCHITECTS INC. accepts no responsibility for measurements scaled from the drawings.
3. All drawings and specifications are the property of ETUDE ARCHITECTS INC., who reserves his copyright with respect to this document. It shall not be duplicated, used or circulated for any other purpose than that for which it was issued, and must be returned on completion of the project to ETUDE ARCHITECTS INC.



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ELECTRICAL
MECHANICAL
LIGHTING
COMMUNICATION
SECURITY

NO.	DESCRIPTION	DATE
4.	ISSUED FOR TENDER	MAR. 27/24
3.	RESPONSE TO PERMIT COMMENTS	MAR. 14/24
2.	ISSUED FOR PERMIT	NOV. 21/23
1.	ISSUED FOR 90% REVIEW	MAR. 13/23

REVISIONS / ISSUES

peel District School Board

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Project Name

**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title

NEW WORK PLANS

Graphic Scale		Sheet no.
AS SHOWN		E7
Drawn RS	Checked SS	
CAD File -	Scale AS NOTED	Revision No.
Date DECEMBER 2022	Project No. 23-124	