

Addendum 2

Request for Quotation

RFQMA24 – 5030

Glenforest Secondary School City of Mississauga

Pool Demolition

TO: ALL POTENTIAL BIDDERS

This Addendum 2 has been issued for the above-mentioned RFQ.

- Please see attached Addendum No. 2 from architect.

All other terms and conditions shall remain the same.

Regards,

John Marinescu, Commodity Specialist
Peel District School Board
Tel. (905) 890.1010 x 2123
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Project No.: ITTMA24-5030

Addendum No. 2

Page 1 of 1

Date: May 13, 2024

Project: Glenforest SS – Pool Demolition

The following information supplements and/or supersedes the bid documents issued on April 23, 2024.

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject bidder to disqualification.

1. Intent:

- 1.1. This Addendum is issued to clarify the Procurement Requirements, Specification, Architectural Structural and Electrical Scope of work.

2. General:

2.1. The following General Contractors are pre-qualified to submit bids:

Anacond Contracting
Balmain Construction inc.
HN Construction
Index Construction Inc.
Orion Construction & Management
Trinox Corp
West Metro Contracting

- 2.2. Schedule the relocation of the irrigation controller prior to any demolition work and connect controller and temporary piping to keep irrigation system operational throughout demolition and construction. The controller will be installed in Gym Storage room 169C.
Refer to note 236 on A201 and note 120 on A101 for proposed routing. Ensure that the irrigation line is protected from damage due to demolition traffic, and remains operational until permanent UG line is connected.
 - 2.2.1. Refer to Mechanical Addendum no. M&E#1
- 2.3. Refer to note 4 on E5. GC to provide routing for conduit and wiring for relocated GFI Outlet. Location of outlet to be relocated to gym storage room. Exact location to be determined on site. See note 215 on A201, and note 284 on A202. Trace wire to panel, and refeed from panel.
 - 2.3.1. Refer to Electrical Addendum no. M&E#1
- 2.4. Demolish three (3) conc. sidewalk sections and provide new conc. sidewalk. Reinstate depressed curb. See note 118 on drawing A101, and note 164 on drawing A102.
- 2.5. Clarification: Additional notes 214 and 237 added to demolition floor plans A201 and A202, regarding thickness of floor slabs.

- 2.6. Archive Structural drawing are available for reference. 4 pages. The drawings are not to be considered representative of As-built conditions.
- 2.7. Note that there will be other renovation project ongoing at this school site. Access to the site for this project will be confined to the entrance on the east side of the school.
- 2.8. Refer to revised note 235 on demolition plan. Break up and remove slab on grade.
- 2.9. Base building BAS contractor is: Johnson Controls
- 2.10. Question 1:
1. *As per the Notes on the Floor Plan and Room Finish Schedule, there is only new Terrazo Tiles in Room no 186- Vestibule.
Can you please confirm whether we are just patching the existing concrete floor slab in the 170A- Storage Room and 189- Storage Room or we have to provide Epoxy Base in those two Rooms as well? Please advise us on this.*
- Response 1: Refer to the room finish schedule. Room 170A and room 189 are to receive epoxy floor finish.
- 2.11. Question 2:
2. *. Please provide specifications for the irrigation work required.*
- Response 2: Refer to item 2.2 of this addendum. For temporary irrigation line requirements. GC to review and confirm existing distribution pipe sizing to confirm connections to existing supply valve. Refer to notes 10,11,12 &13 on revised 3/M8.
- 2.12. New Stair finish.
- 2.12.1. New conc. stair between 169C and 170A to be finished with integral rubber tread and riser with contrasting grit tape.
 - 2.12.2. Nose depth to 50 mm with underside hinge to accommodate.
 - 2.12.3. Solid or ColorSplash colour -TBD.
 - 2.12.4. Hammered Tread Riser (VIRNSQTR) Visually Impaired insert - Johnsonite Grit Tape Insert.

List of documents included:

M+E Addendum no. 1
Archive Structural Drawing S.1, S.2, S.3, and S.4
Architectural Drawing: A101, A102, A201, A202.
Mechanical Drawing: M5
Electrical Drawing: E5, E7

End of Addendum No.2

**MECHANICAL & ELECTRICAL ADDENDUM #1
GLENFOREST SECONDARY SCHOOL
POOL DEMOLITION
2575 FIELDGATE DRIVE, MISSISSAUGA, ONTARIO. L4X 2J6
MAY 13, 2024**

The following document is hereby made a part of the Contract Documents.

The following revisions and/or additions shall be made to Drawings and/or specifications and the cost shall be included in Tender Price.

Drawing M5 – Demolition Plans:

1. Note #4 – Revise the location of the new Irrigation Control Box to the Gym Storage (169C).

Drawing M8 – New Work Plans:

1. See attached re-issued Drawing with Clouded Revisions.

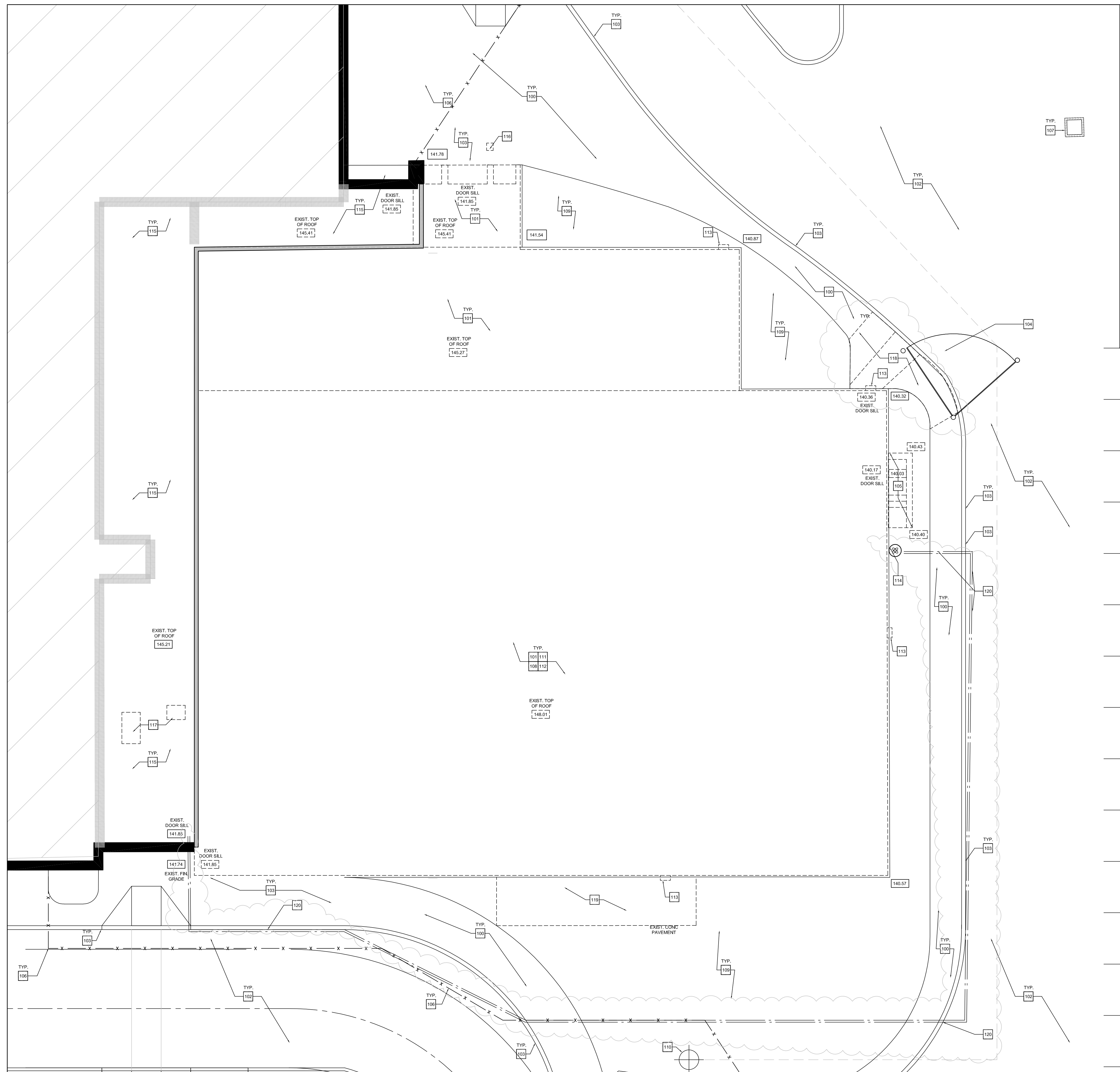
Drawing E5 – Demolition Plans:

1. See attached re-issued Drawing with Clouded Revisions.

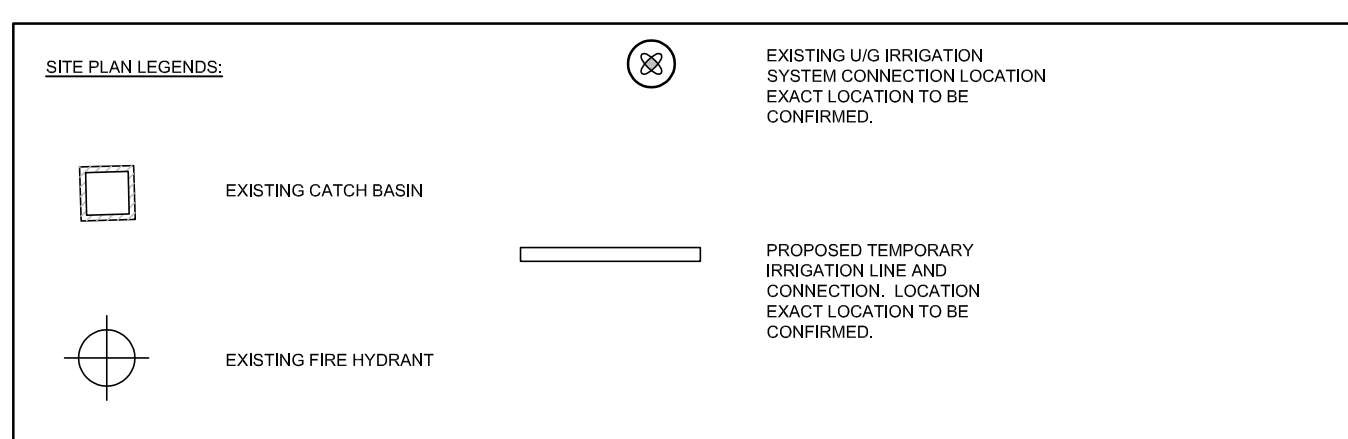
Drawing E7 – New Work Plans:

1. See attached re-issued Drawing with Clouded Revisions.

END OF ADDENDUM #1



- SITE PLAN DEMOLITION KEY NOTES:**
100. PROTECT EXISTING CONCRETE SIDEWALK, PROTECT AND REPAIR, DURING DEMOLITION AND CONSTRUCTION.
 101. AREA OF PROPOSED DEMOLITION.
 102. 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.
 - 102.1. 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.
 - 102.2. 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.
 103. 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.
 - 103.1. WHEREVER DAMAGE FALLS BETWEEN EXPANSION JOINTS, THE REMOVAL AND SUBSEQUENT RESTORATION SHALL BE EXTENDED TO THE NEAREST EXPANSION JOINT.
 - 103.2. WHERE THE CONCRETE SIDEWALK IS MONOLITHIC WITH THE CURB, THE SIDEWALK AND THE CURB SHALL BE CUT AND REMOVED AS A UNIT.
 - 103.3. 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.
 104. EXISTING FIRE ROUTE GATE. GC TO REINSTATE UPON COMPLETION IF THE FIRE GATE IS REMOVED.
 105. REMOVE AND DISCARD EXISTING CONCRETE STAIR INCLUDING ALL ASSOCIATED FOUNDATIONS & FOOTING. REMOVE & DISCARD ALL ASSOCIATED RAILINGS. REFER TO SPEC.
 106. 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 REMOVE THE HOARDED AREA TO REINSTATE FIRE ROUTE UPON COMPLETION OF DEMOLITION WORK.
 107. EXISTING CATCH BASIN TO REMAIN. PROTECT DURING CONSTRUCTION.
 108. GC TO SALVAGE ENOUGH BRICK FOR INFILL AREAS AS INDICATED.
 109. EXISTING LANDSCAPING. REFER TO SPEC.
 110. EXISTING FIRE HYDRANT TO REMAIN. KEEP ACCESSIBLE AND PROTECT DURING CONSTRUCTION.
 111. CAREFULLY REMOVE & HAND OVER TO SCHOOL ANY EXISTING SIGNAGE IN AREAS OF WORK REQUIRED TO BE REMOVED TO FACILITATE THIS WORK.
 112. 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.
 113. REMOVE & DISCARD EXISTING WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DWGS.
 114. EXISTING CONNECTION POINT FOR UG IRRIGATION SYSTEM - TO BE PROTECTED DURING DEMOLITION.
 115. EXISTING ROOF TO REMAIN. PROTECT DURING DEMOLITION OF ADJACENT AREAS.
 116. REMOVE EXISTING POST & MOUNTED PDO ACTUATOR. REFER TO ELECT DWGS. PATCH AND REPAIR CONCRETE PAVING.
 117. REFER TO ROOF PLAN.
 118. DEMOLISH EXISTING CONC. SIDEWALK. REPLACE WITH NEW. REINSTATE CURB DEPRESSION.
 119. DEMOLISH EXISTING SLAB ON GRADE.
 120. PROPOSED ROUTE FOR TEMPORARY IRRIGATION LINE.



- GENERAL NOTES**
- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW POSB 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 600mm BELOW FINISHED GRADE. GC TO SITE VERIFY. (TYP.)

BUILDING AREA	
EXISTING SCHOOL GFA:	16,270.67M2
EXISTING POOL GFA:	1,220.68M2
TOTAL GFA:	17,491.35M2
PROPOSED DEMOLITION:	1,205.5M2 GFA
PROPOSED RENOVATION AREA:	68M2
DEMOLITION FOOTPRINT - 1087M2	
EXISTING BUILDING FOOTPRINT:	
SCHOOL:	11,792.09M2
POOL:	1,003.37M2
TOTAL:	12,795.46
EXISTING LOT COVERAGE:	18.9%
PROPOSED BUILDING FOOTPRINT:	
SCHOOL:	11,792.09
ALT:	34.62
TOTAL:	11,826.00
PROPOSED LOT COVERAGE:	18.3%
LOT AREA:	64,760.00 m2
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	
EXISTING PARKING IS BASED ON SCHOOL GFA.	
EXISTING ASPHALT DRIVES & PARKING: 16,116.32M2	PROPOSED ASPHALT DRIVE & PARKING 16,116.32

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.
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Drawing North True North

NO.	DESCRIPTION	DATE
6	ISSUED FOR ADDENDUM NO.2	MAY 08, 2024
5	ISSUED FOR TENDER	APRIL 10, 2024
4	ISSUED FOR PRE-TENDER REVIEW	MARCH 26, 2024
3	ISSUED FOR SPA	JANUARY 09, 2024
2	ISSUED FOR BUILDING PERMIT	NOVEMBER 03, 2023
1	ISSUED FOR CLIENT REVIEW	FEBRUARY 06, 2023

REVISIONS / ISSUES

5650 Hurontario Street, Mississauga, Ont., L5R 1C6
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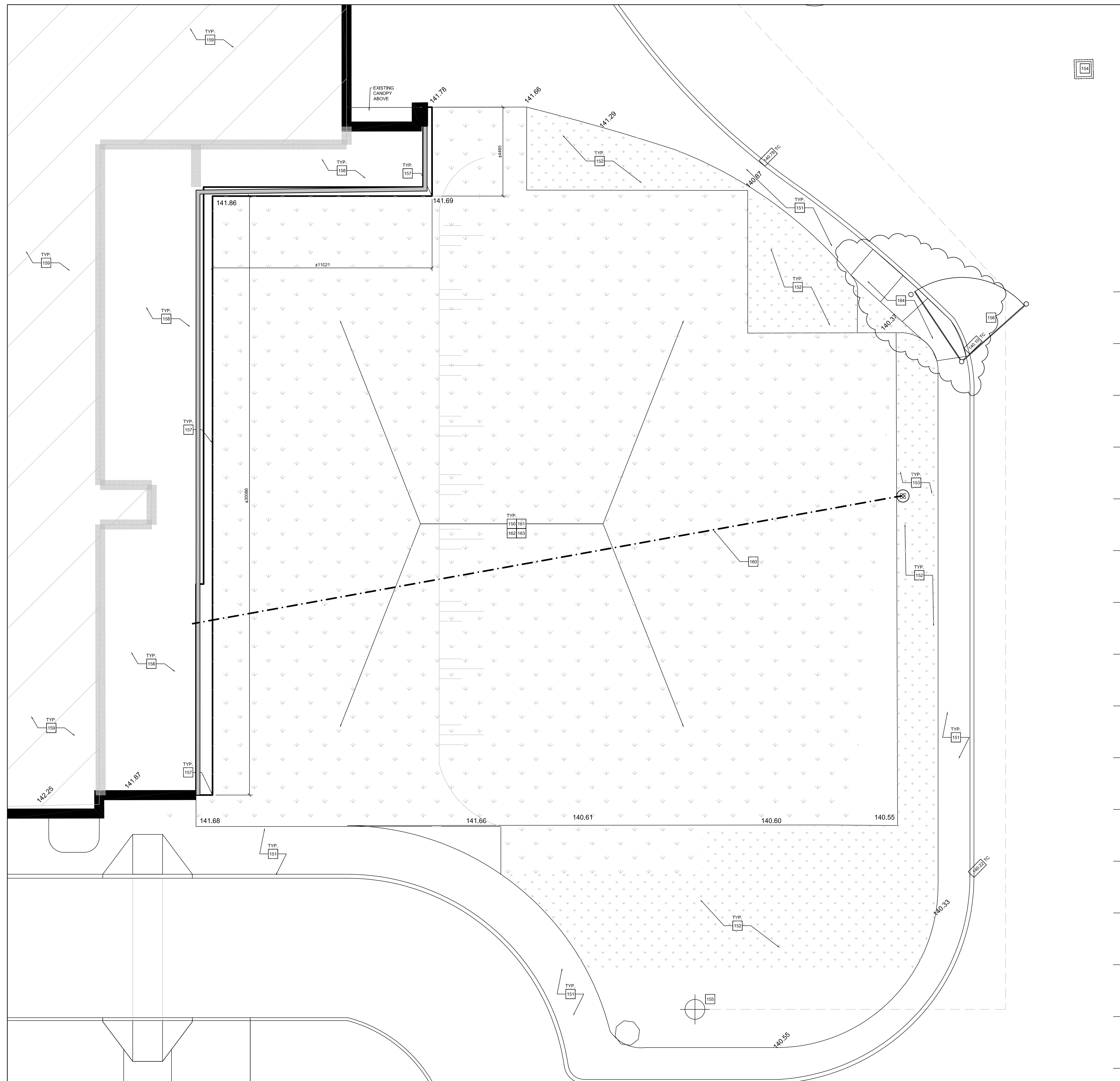
Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

Drawing Title
PARTIAL DEMOLITION SITE PLAN

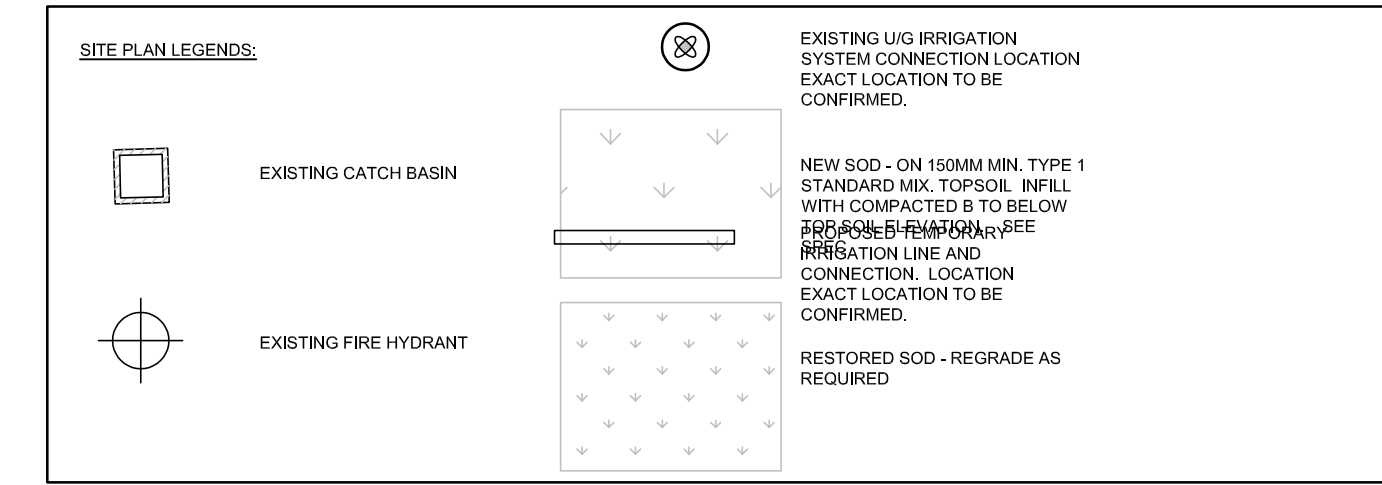
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CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.

A101



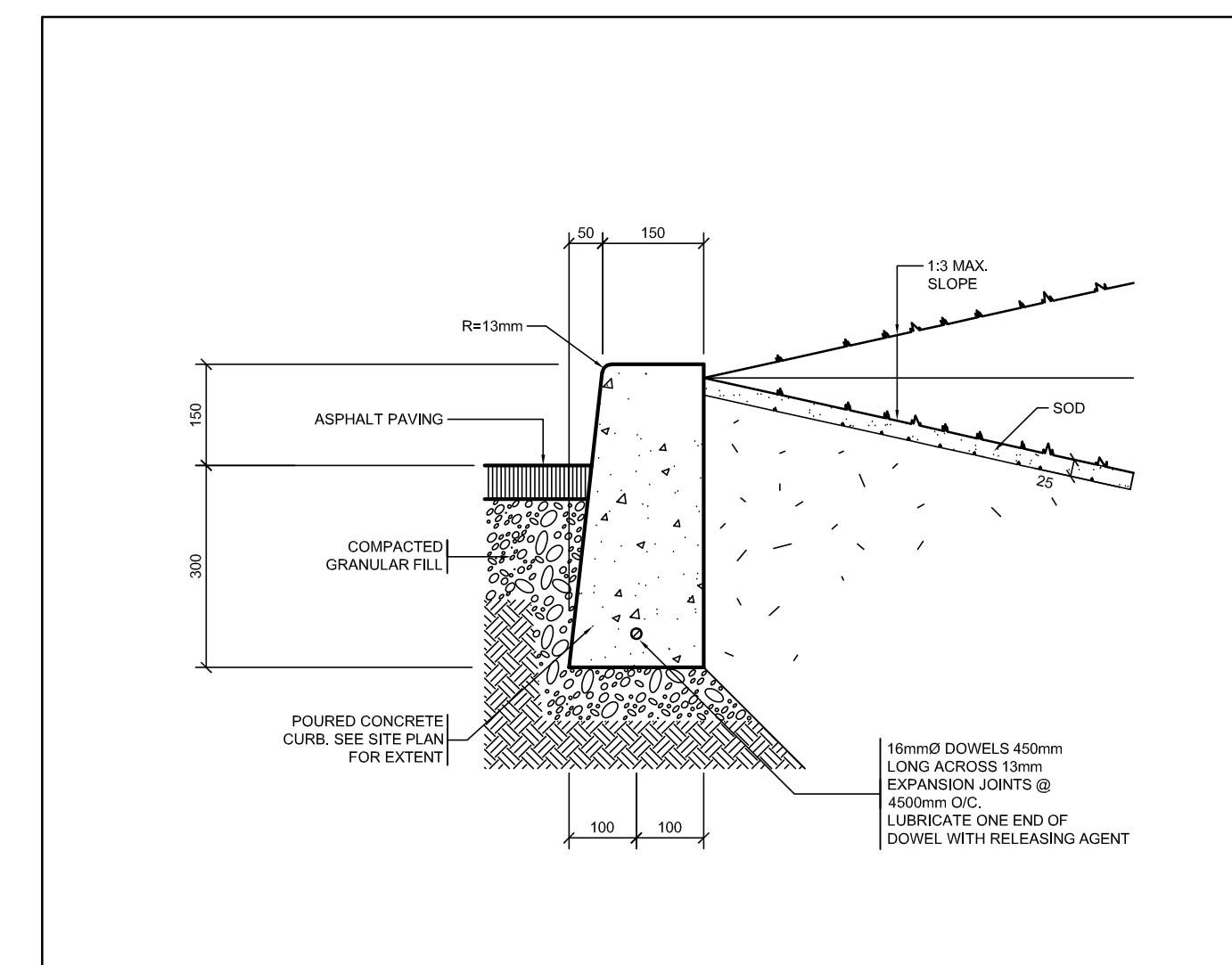
1 PARTIAL PROPOSED SITE PLAN
A102 / SCLAE: 1:100

- SITE PLAN PROPOSED KEY NOTES:**
- PROPOSED SOD ON 150MM MIN. 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 - RE-INSTALLED
 - 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).
 - SCARIFY 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.
 - NEW CONC. SIDEWALK.

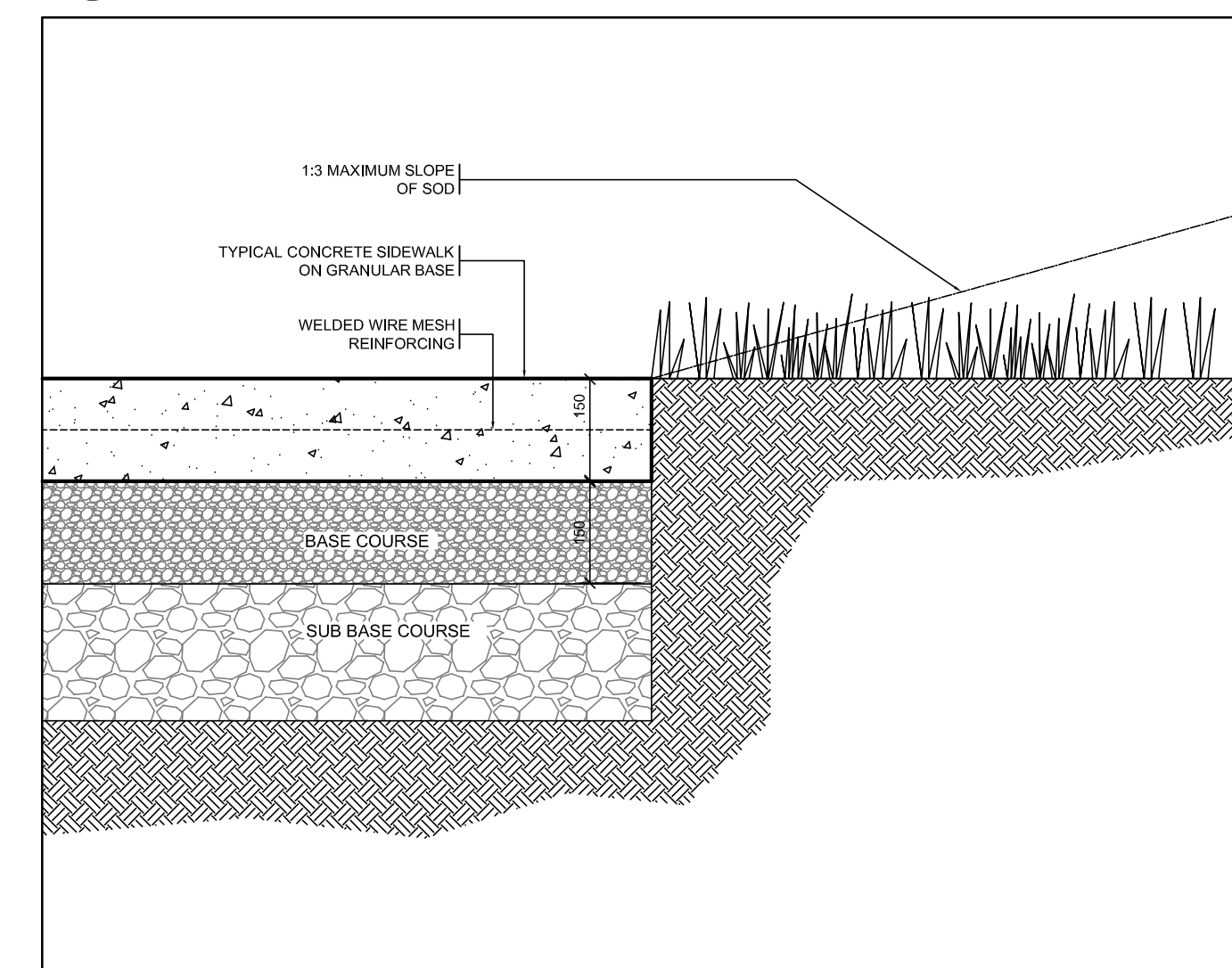


SITE PLAN GENERAL NOTES:

- 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.



3 CONCRETE CURB DETAIL
A102 SCALE: 1:10



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

Notes

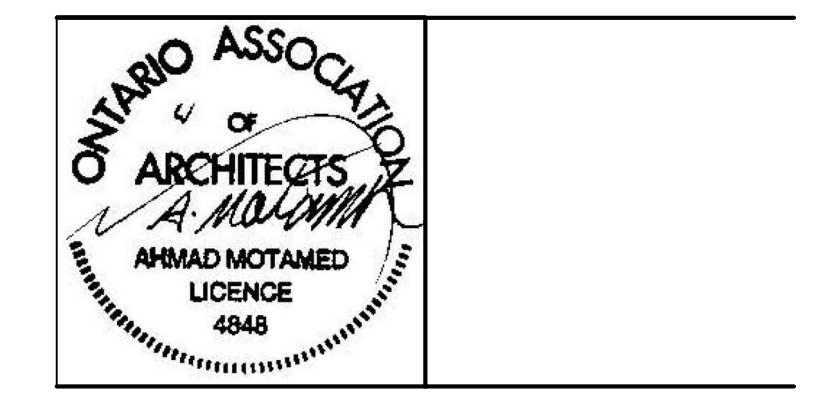
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Project Name
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION
Drawing Title
PROPOSED PARTIAL SITE PLAN & SITE DETAILS

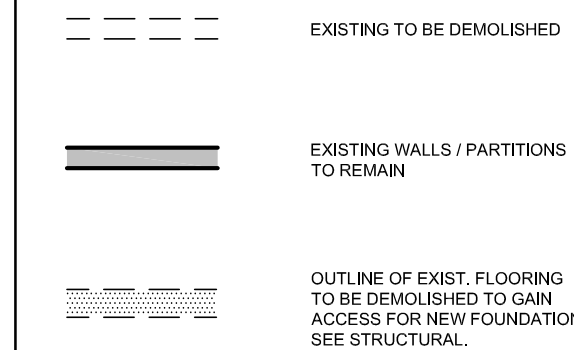
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Drawn AK / VSP	Checked AM
CAD File AS NOTED	Scale AS NOTED
Date DECEMBER 2022	Project No. 222113
	Revision No.

A102

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. ~~ENCL. FOR ELEC. CONDUIT FOR PDG 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 & FOOTINGS. 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. LOUVER 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 1A400.
- 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 INCL. 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. STAIR 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 AND REMOVE SLAB ON GRADE (TYP.)
- 236. PROVIDE ROUTING FOR TEMPORARY IRRIGATION LINE AND CONNECTION TO CONTROLLER. CONNECT AT EXISTING DISTRIBUTION VALVE. SEE SITE PLAN
- 237. DEMOLISH AND DISPOSE EXISTING 200MM (MIN) REINFORCED CONC. POOL DECK

FLOOR PLAN DEMO. LEGEND



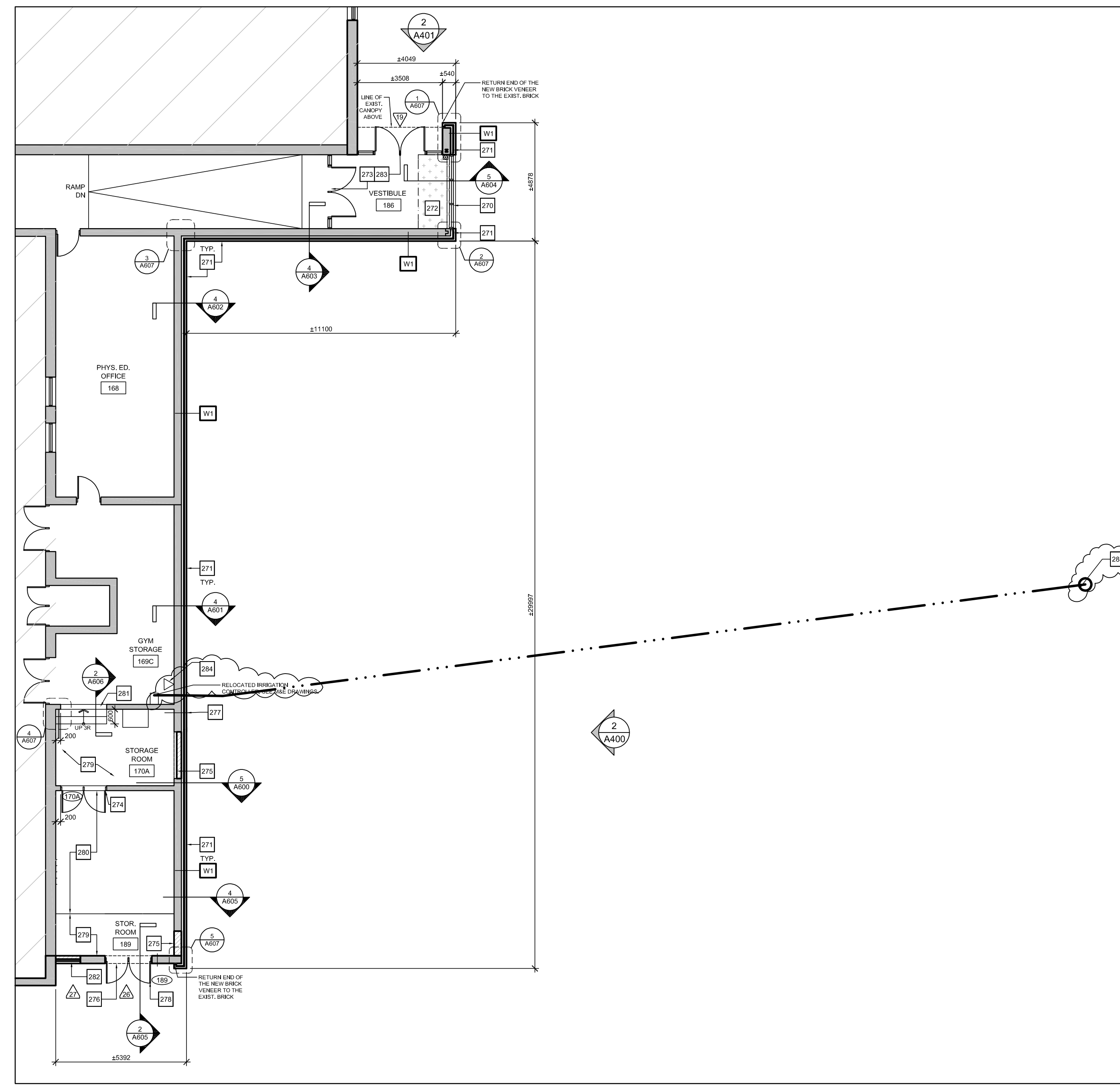
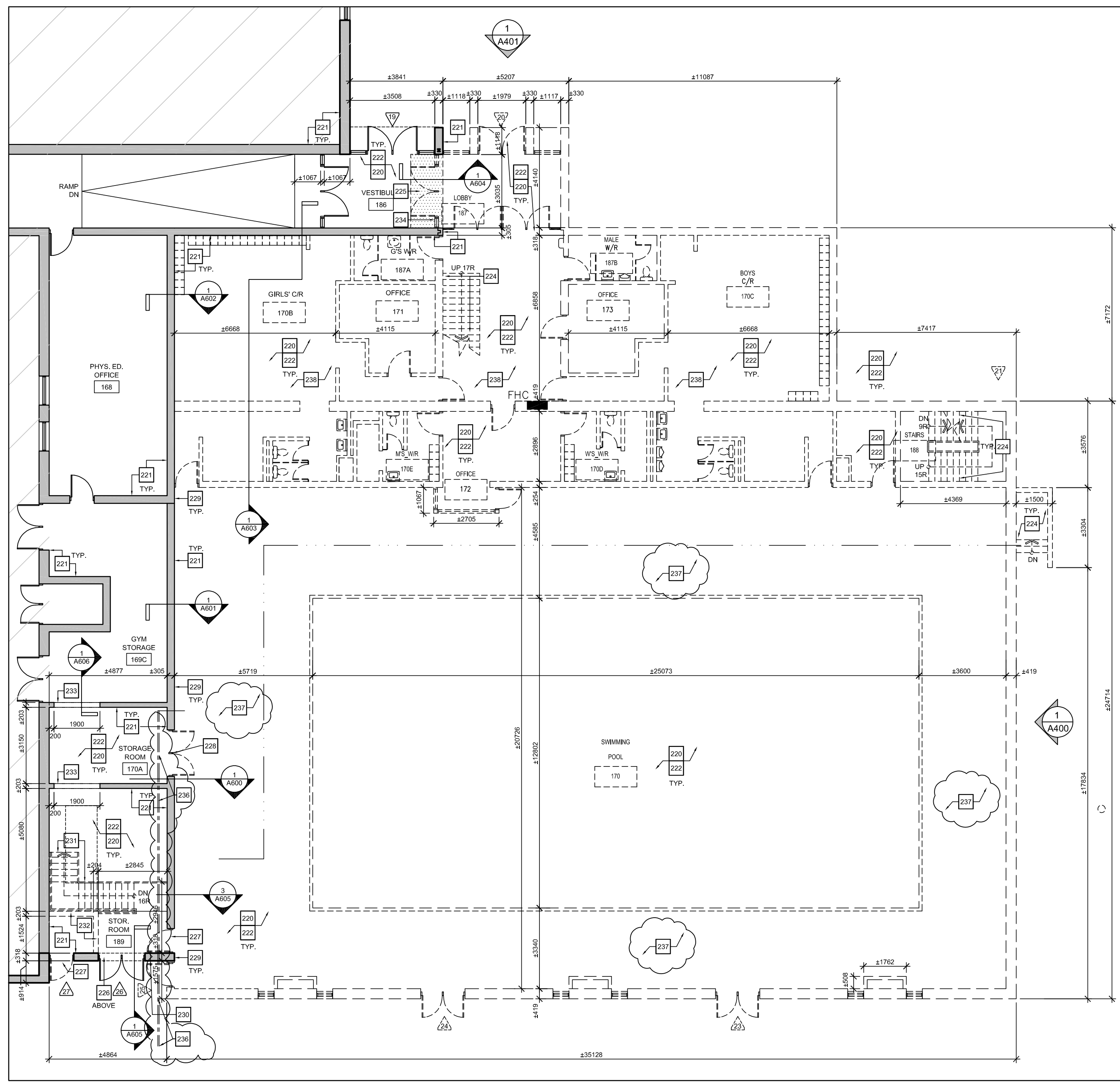
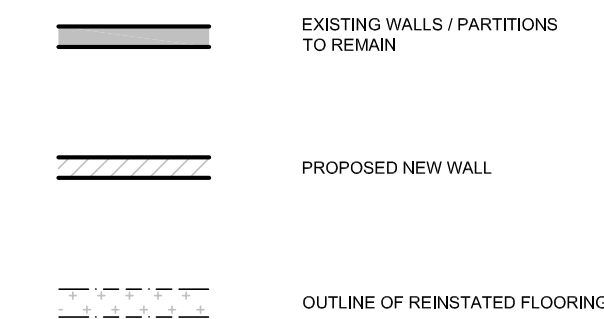
GENERAL NOTES

- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW P05B 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 RATINGS 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 PDG.
- 274. PROPOSED NEW DOORS & FRAMES. REFER TO DOOR SCHEDULE. SUPPLY AND INSTALL NEW LINTEL FOR EXISTING MASONRY WALL. SEE STRUCTURAL.
- 275. INFILL EXISTING OPENING W/ MATCHING CONC. TOOTHAN 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. OPENINGS WITH NEW EXTERIOR WALL ASSEMBLY, MASONRY TO MATCH EXISTING SIZE AND SHAPE. PROVIDE MASONRY SAMPLE FOR CONSULTANT'S REVIEW ON COLOUR SELECTION. TOOTHAN NEW MASONRY TO MATCH EXISTING PATTERN.
- 283. EXISTING DOORS TO REMAIN. PREP. DOORS, FRAMES, SPLITTES FOR NEW PAINT.
- 284. RELOCATED GFI OUTLET. EXACT LOCATION TO BE COORDINATE ON SITE. COORDINATE ROUTING OF CONDUIT AND WIRING. REFER TO ELECTRICAL DRAWING.
- 285. EXISTING IRRIGATION SYSTEM VALVE

PROPOSED FLOOR PLAN LEGEND



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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Drawing
North
True
North

NO.	DESCRIPTION	DATE
6	ISSUED FOR ADDENDUM NO.1	MAY 08, 2024
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

peel District School Board

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ONTARIO ASSOCIATION of ARCHITECTS A.M.A.

ARMAD MOTAMED LICENCE 4848

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 BASEMENT PLAN KEY NOTES

200. REFER TO ABATEMENT SCOPE OF WORK. PERFORM ABATEMENT WORK PRIOR TO OTHER DEMOLITION SCOPE.
201. EXISTING WALL / COLUMN / STRUCTURE TO REMAIN. PROTECT DURING CONSTRUCTION AS REQUIRED. REFER TO STRUCTURAL DWGS.
202. REMOVE ALL DECOMMISSIONED EQUIPMENT IN THE POOL TUNNELS AND FAN ROOM AREA. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.
203. 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.
204. EXISTING POOL FOUNDATION WALL TO BE DEMOLISHED AND REMOVED.
205. EXIST. POOL, CR, LOBBY, BALCONY, OFFICE, WIR, STAIRS AREA TO BE DEMOLISHED AS INDICATED. FOUNDATION WALLS TO BE DEMOLISHED TO MIN. 600mm BELOW FIN. GRADE UNLESS NOTED OTHERWISE.
206. REMOVE & DISCARD ALL STRUCTURES. MINIMUM OF 600mm BELOW FINISHED GRADE. SITE VERIFY. (TYP.)
207. 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.)
208. PREPARE EXISTING SUMP PUMP PIT TO BE INFILLED. SEE MECHANICAL & STRUCTURAL DWG.
209. CUTBACK EXIST. SLAB & FLOORING ABOVE AT CORRIDOR AS REQ'D 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.
210. EXISTING IRRIGATION SYSTEM CONTROL BOX. MARK LOCATION AND PROTECT PIPING FOR FUTURE CONNECTION.
211. 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.
212. 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.
213. EXISTING 200MM REINFORCED CONC. POOL BOTTOM SLAB TO BE DEMOLISHED AND REMOVED.
214. EXISTING 175MM (MIN.) REINFORCED CONC. S.O.G. TO BE DEMOLISHED AND REMOVED.
215. EXISTING GFI OUTLET TO BE RELOCATED. REFER TO ELECTRICAL DRAWINGS

DEMO. BASEMENT PLAN LEGEND

- EXISTING TO BE DEMOLISHED UNLESS OTHERWISE NOTED
- EXISTING FOOTING TO REMAIN UNLESS NOTED OTHERWISE
- EXISTING WALLS TO REMAIN
- OUTLINE OF FLOORING ABOVE TO BE DEMOLISHED. SEE STRUCTURAL.

GENERAL NOTES

- CONTRACTOR TO REVIEW HAZARDOUS MATERIAL SURVEY FOR SCHOOL AND FOLLOW P08B 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 DEPTH OF 900mm BELOW FINISHED GRADE. GC TO SITE VERIFY. (TYP.)

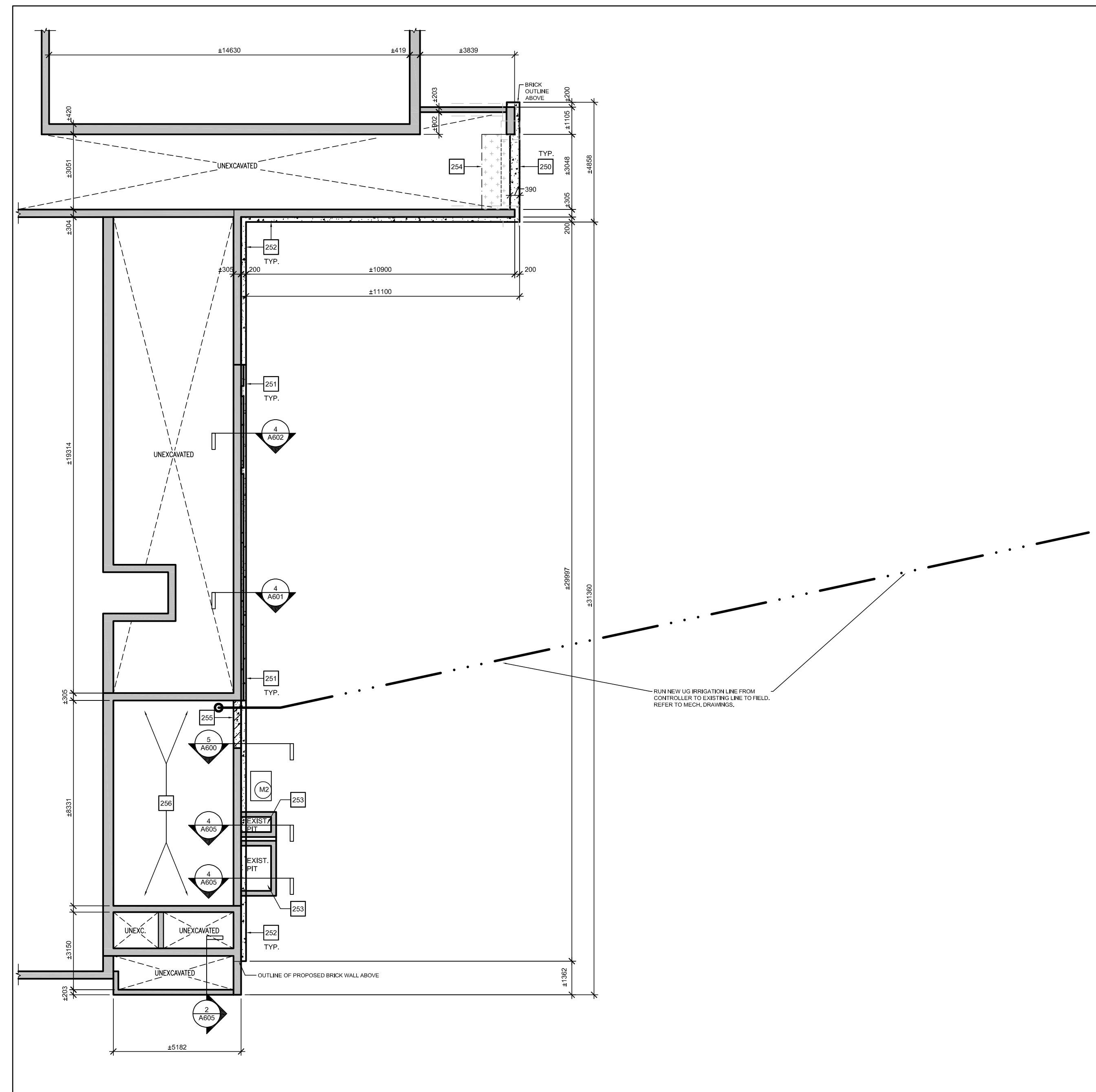
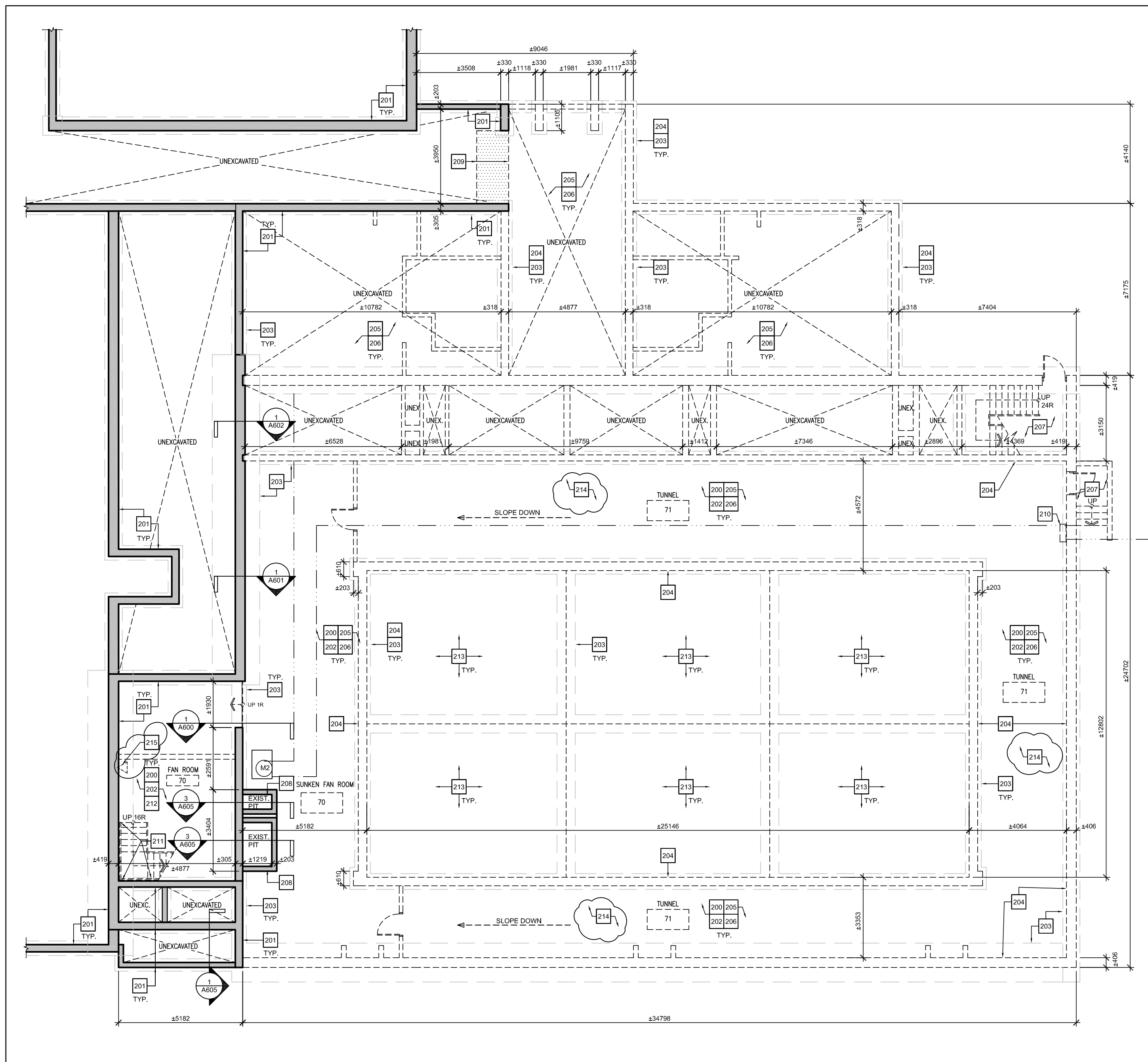
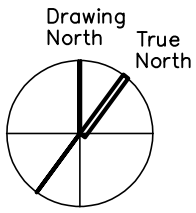
PROPOSED BASEMENT PLAN KEY NOTES

250. PROPOSED NEW FOUNDATION WALL AND FOOTING. REFER TO STRUCTURAL DWGS. & SPECS.
251. PROPOSED NEW CONCRETE LEDGE. REFER TO STRUCTURAL DWGS. & SPECS.
252. PROPOSED NEW CONC. FOUNDATION WALL ON EXISTING CONC. FOOTING. SEE STRUCTURAL.
253. INFILLED EXISTING SUMP PUMP PIT UNDER PROPOSED NEW CONC. FOUNDATION WALL. REFER TO STRUCT.
254. OUTLINE OF REINSTATED FLOORING ABOVE. REFER TO STRUCTURAL DRAWINGS & SPECS.
255. PREP & INFILL EXISTING OPENING WITH MATCHING CONC. BLOCK TOOTH+H NEW BLOCK. TO PROVIDE SMOOTH & CONTINUOUS SUBSTRATE SURFACE TO NEW FOUNDATION.
256. 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.

PROPOSED BASEMENT LEGEND

- UNEXCAVATED AREA TO REMAIN UNLESS OTHERWISE NOTED
- EXISTING WALLS / PARTITIONS TO REMAIN
- EXISTING FOOTING TO REMAIN UNLESS NOTED OTHERWISE
- PROPOSED CONC. WALL & FOOTING. SEE STRUCTURAL.
- PROPOSED CONC. BLOCK WALL. REFER TO STRUCTURAL.
- OUTLINE OF REINSTATED FLOORING ABOVE

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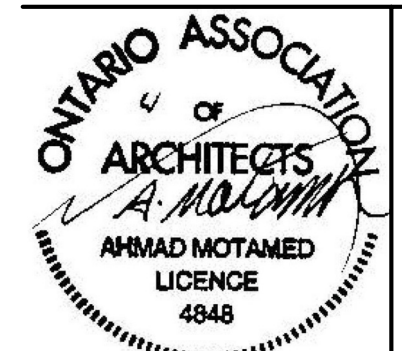
2 PART. PROPOSED BASEMENT PLAN
 A201 SCALE: 1:125

NO.	DESCRIPTION	DATE
6	ISSUED FOR ADDENDUM NO. 2	MAY 08, 2024
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

peel District School Board
 5650 Hurontario Street, Mississauga, Ont., L5R 1C6
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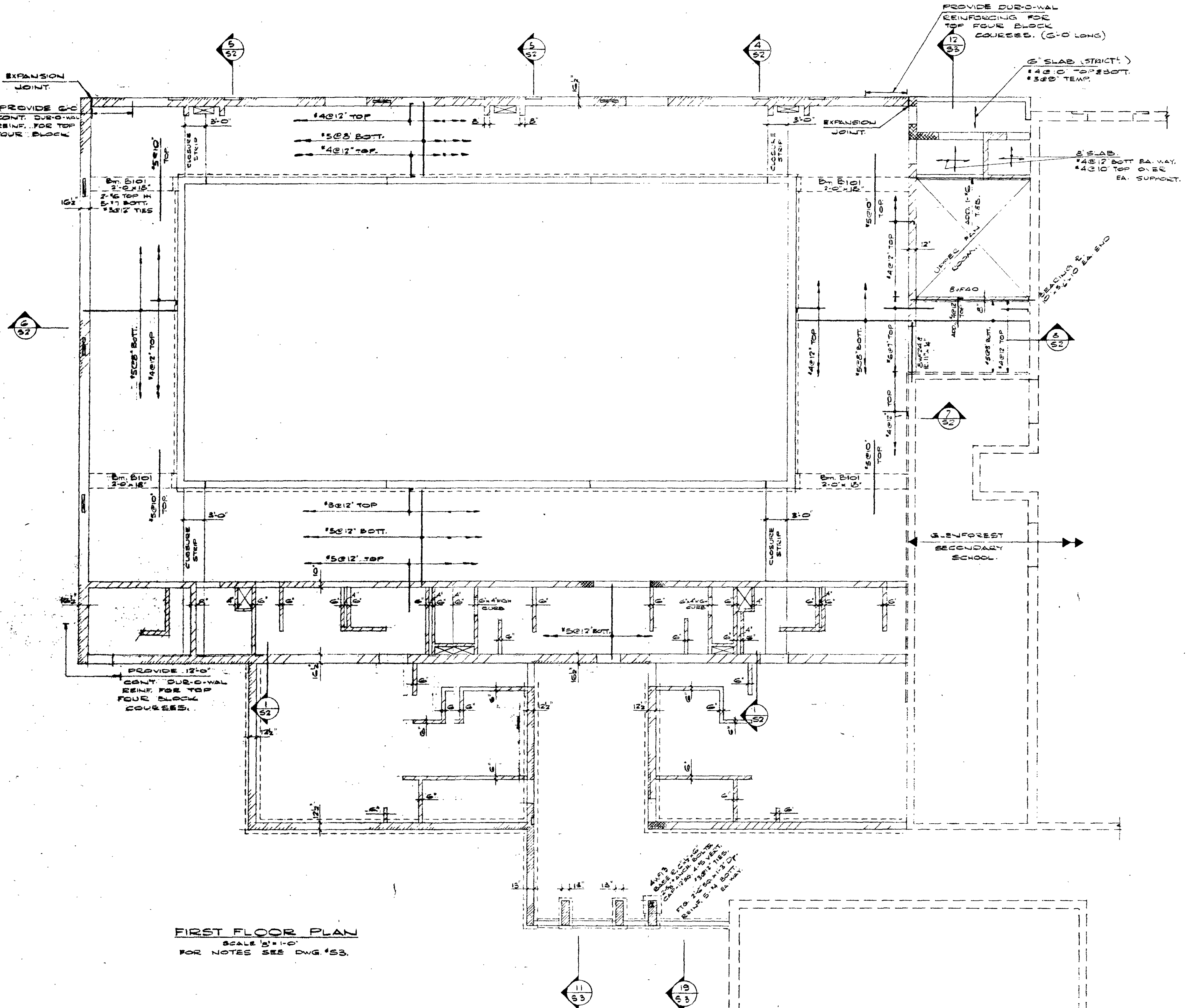
Project Name
**GLENFOREST POOL
 GLENFOREST SECONDARY SCHOOL**
 2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

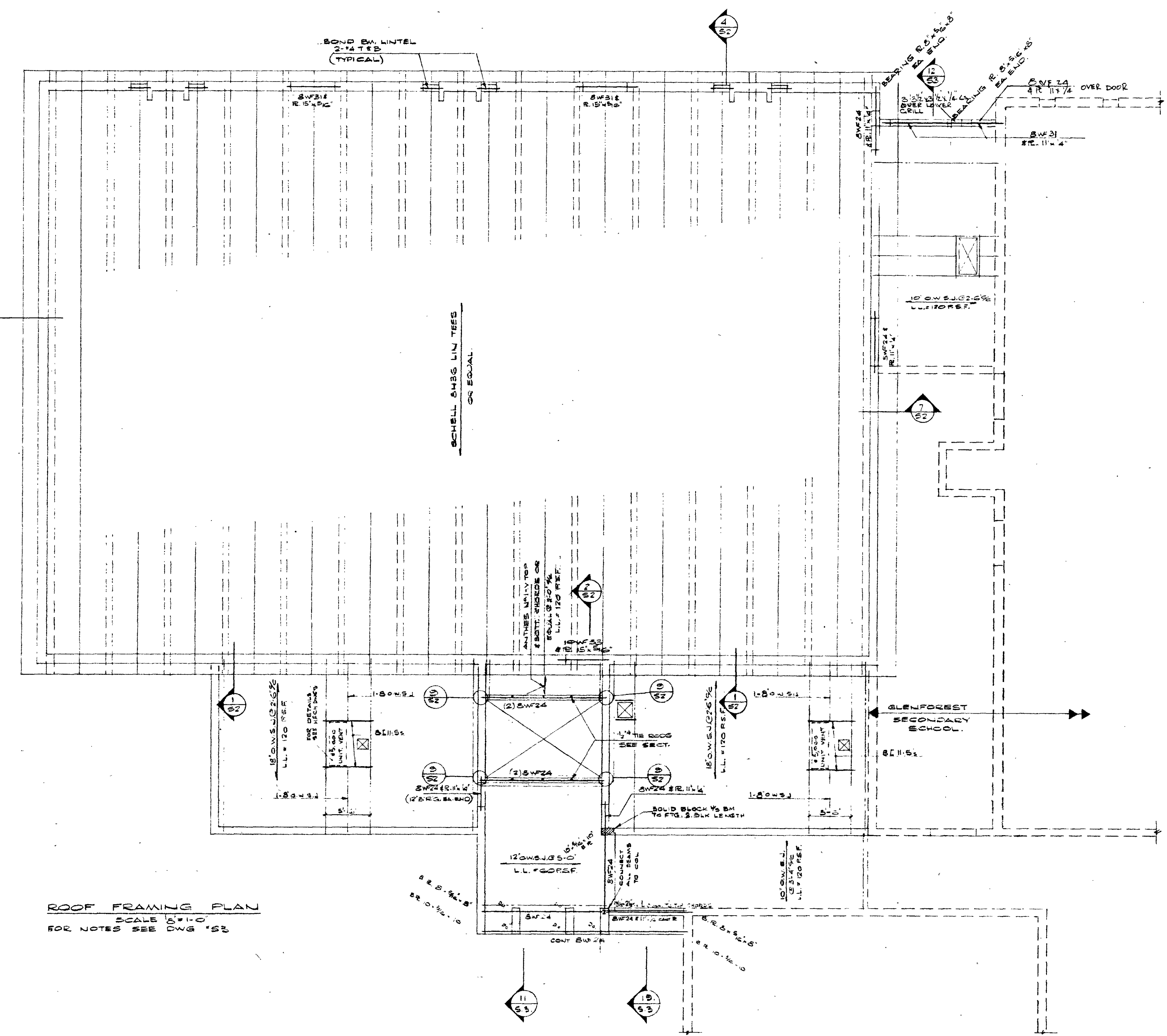
Drawing Title
BASEMENT PARTIAL PLANS

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.

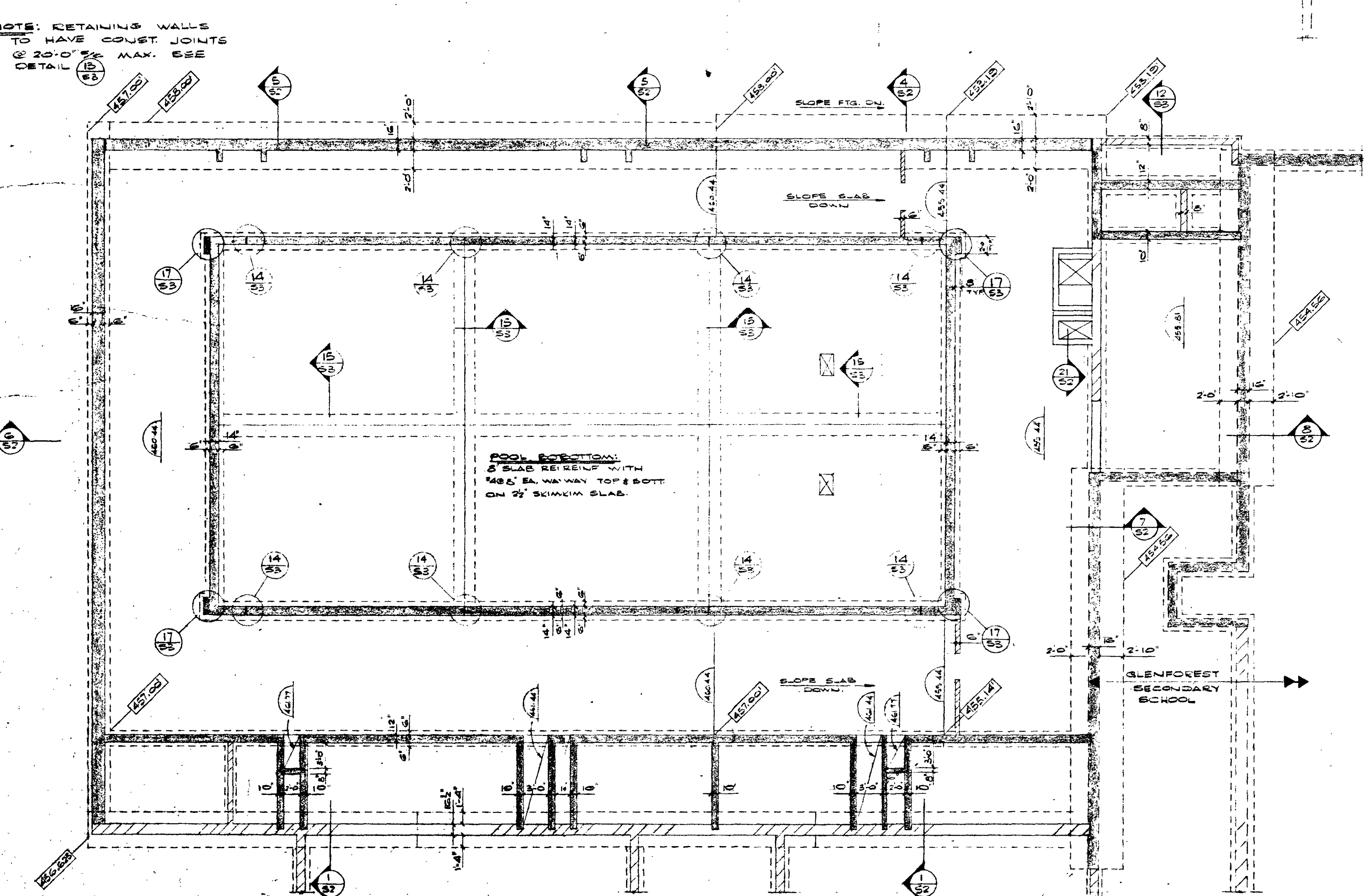
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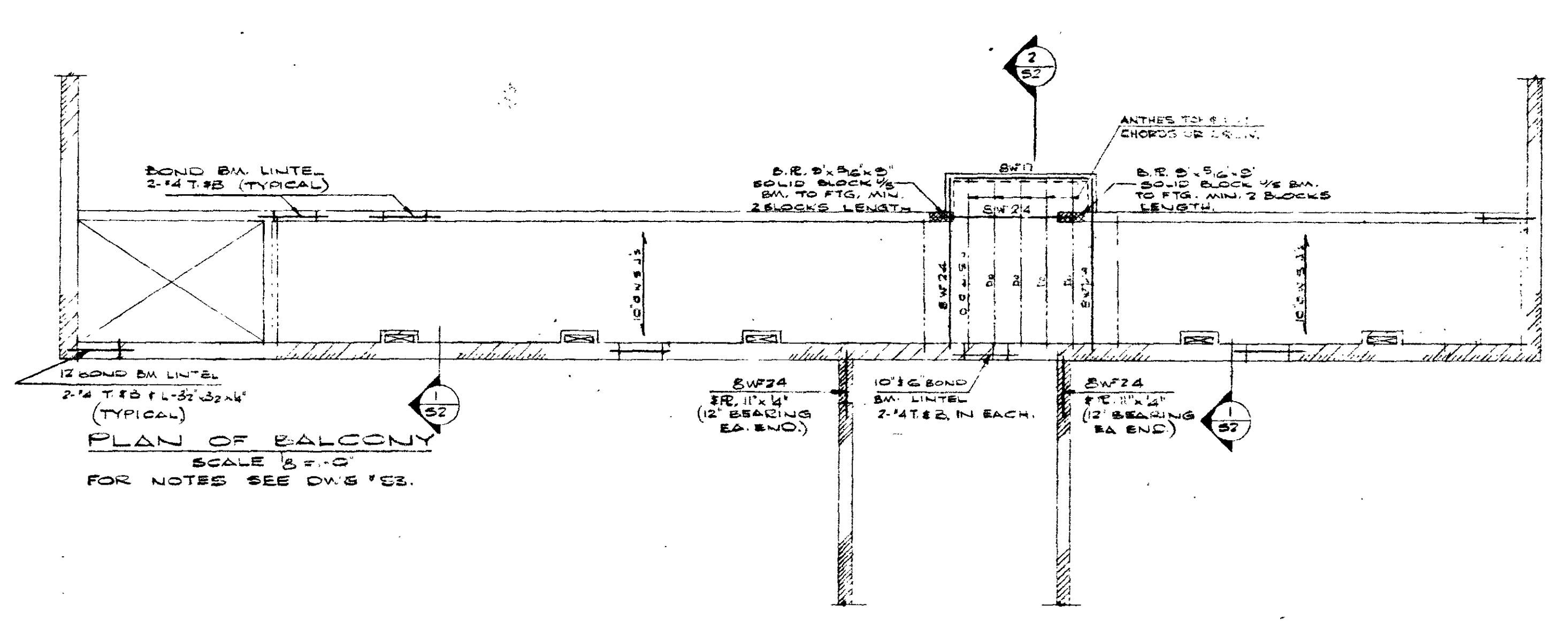
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
FOR NOTES SEE DWG. 153.



ROOF FRAMING PLAN
SCALE 1/8" = 1'-0"
FOR NOTES SEE DWG. 153.

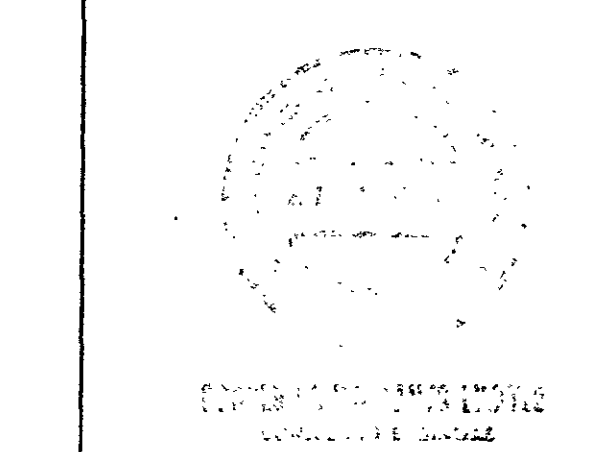


FOUNDATION PLAN
SCALE 1/8" = 1'-0"
FOR NOTES SEE DWG. 153.



PLAN OF BALCONY
SCALE 1/8" = 1'-0"
FOR NOTES SEE DWG. 153.

REVISED APRIL 2 1964
REVISED DEC 10 1965

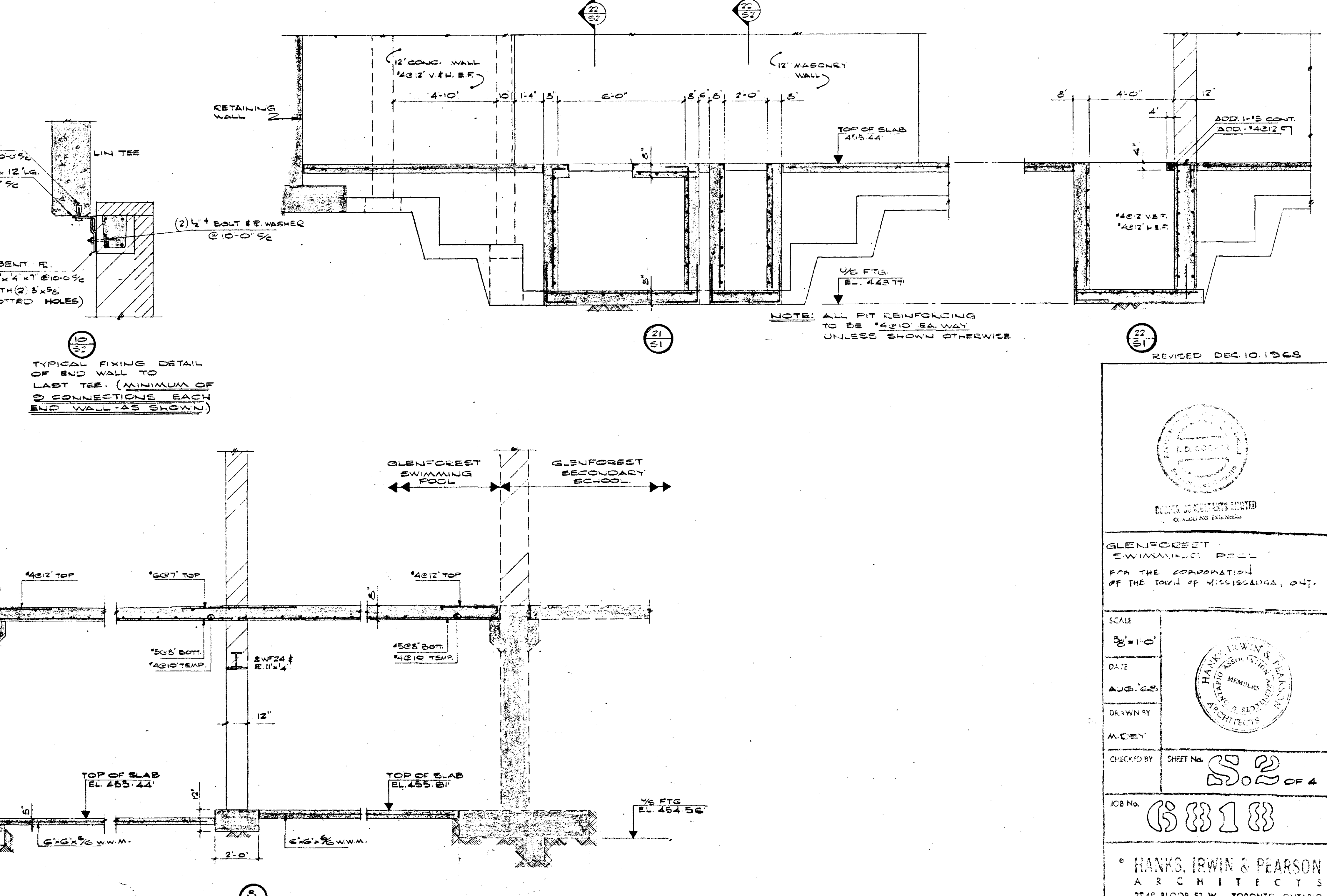
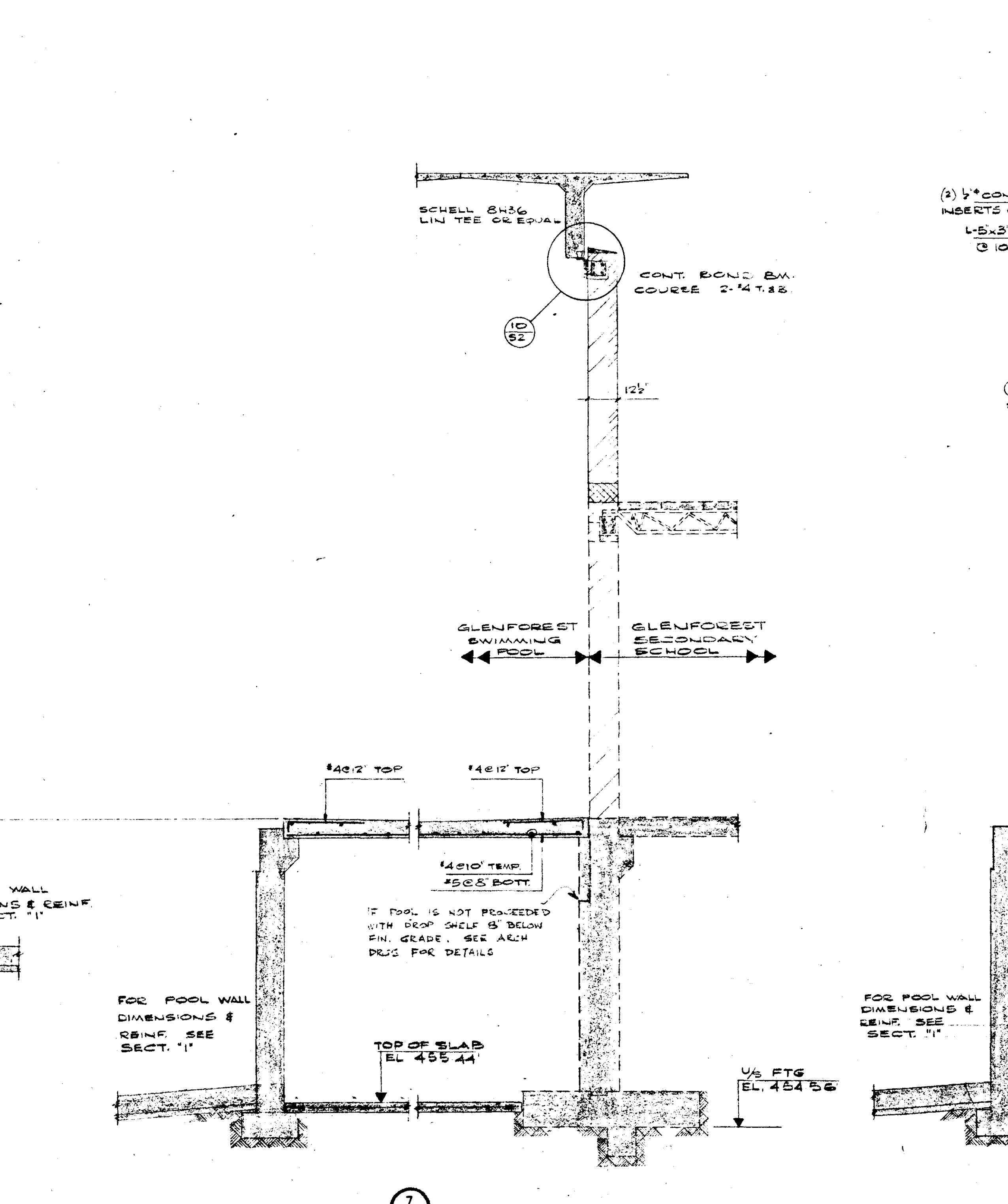
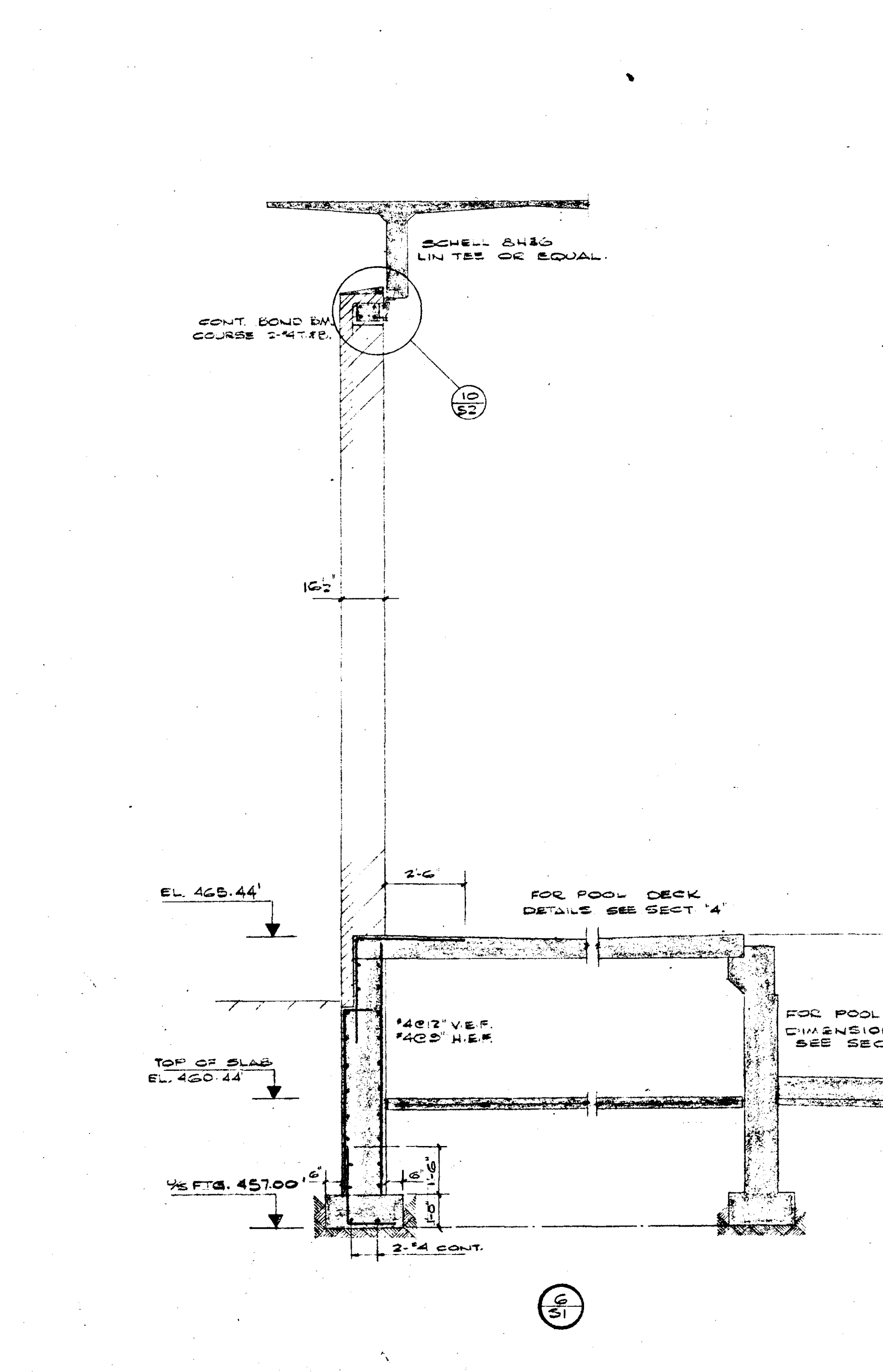
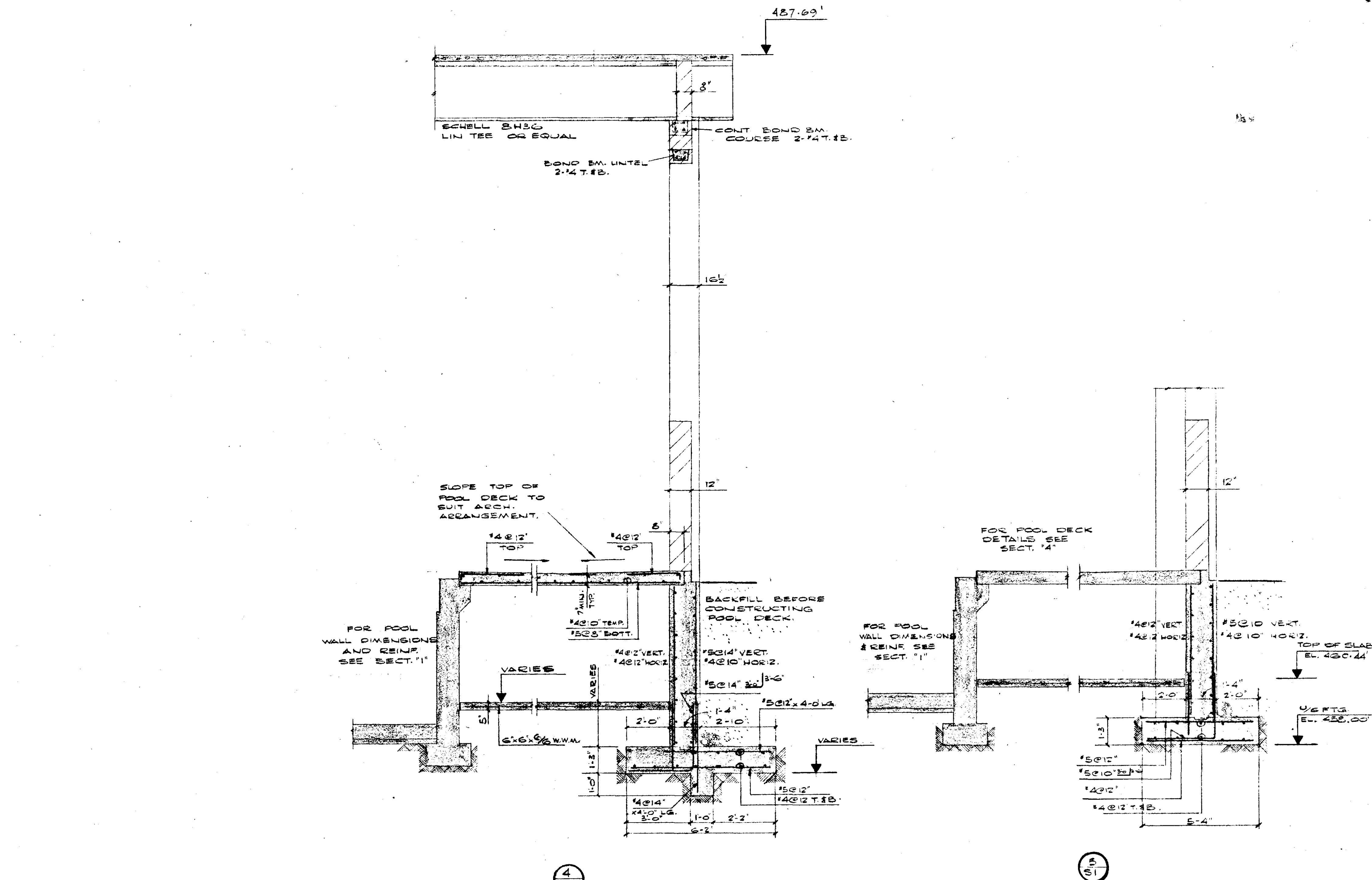
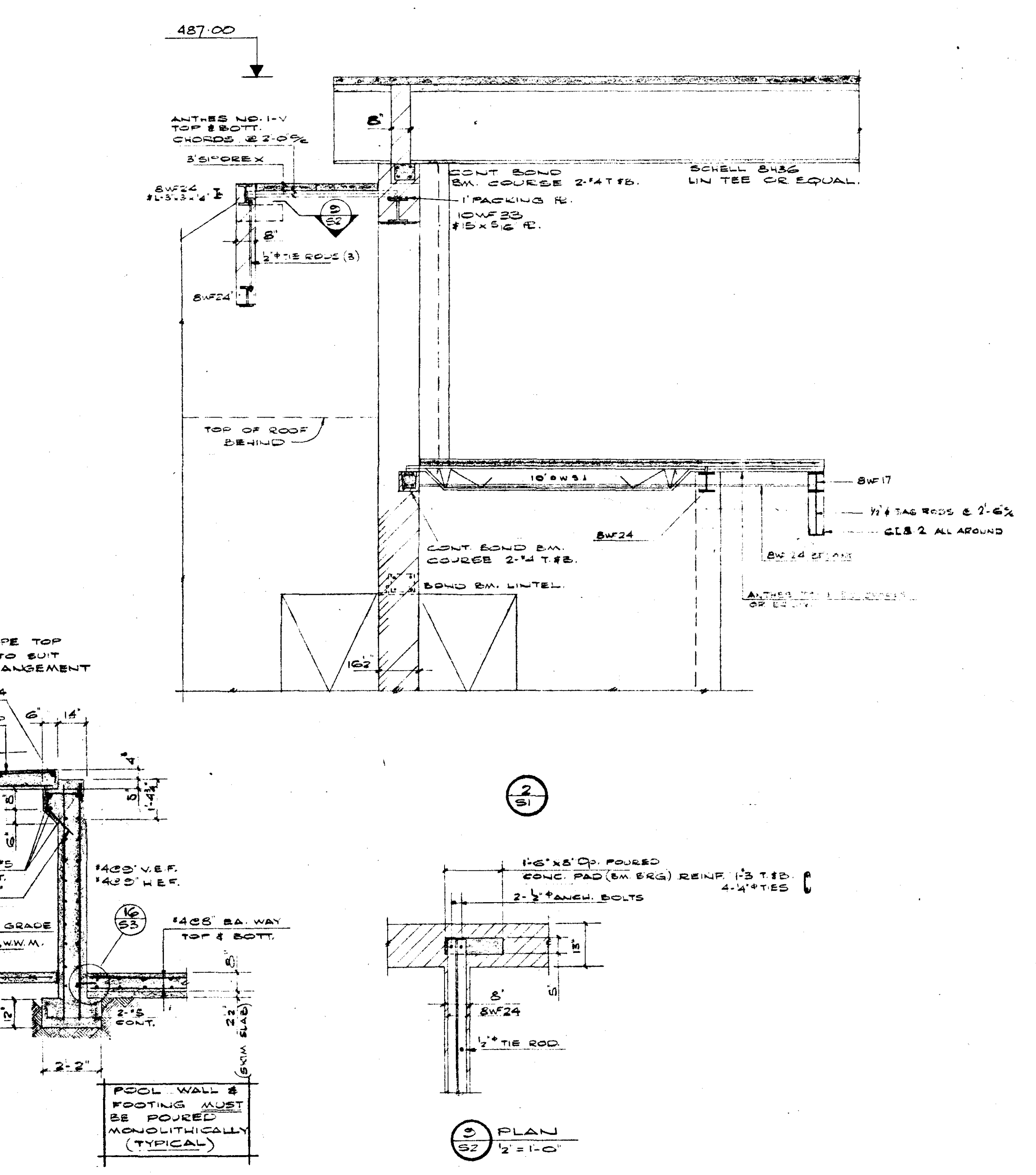
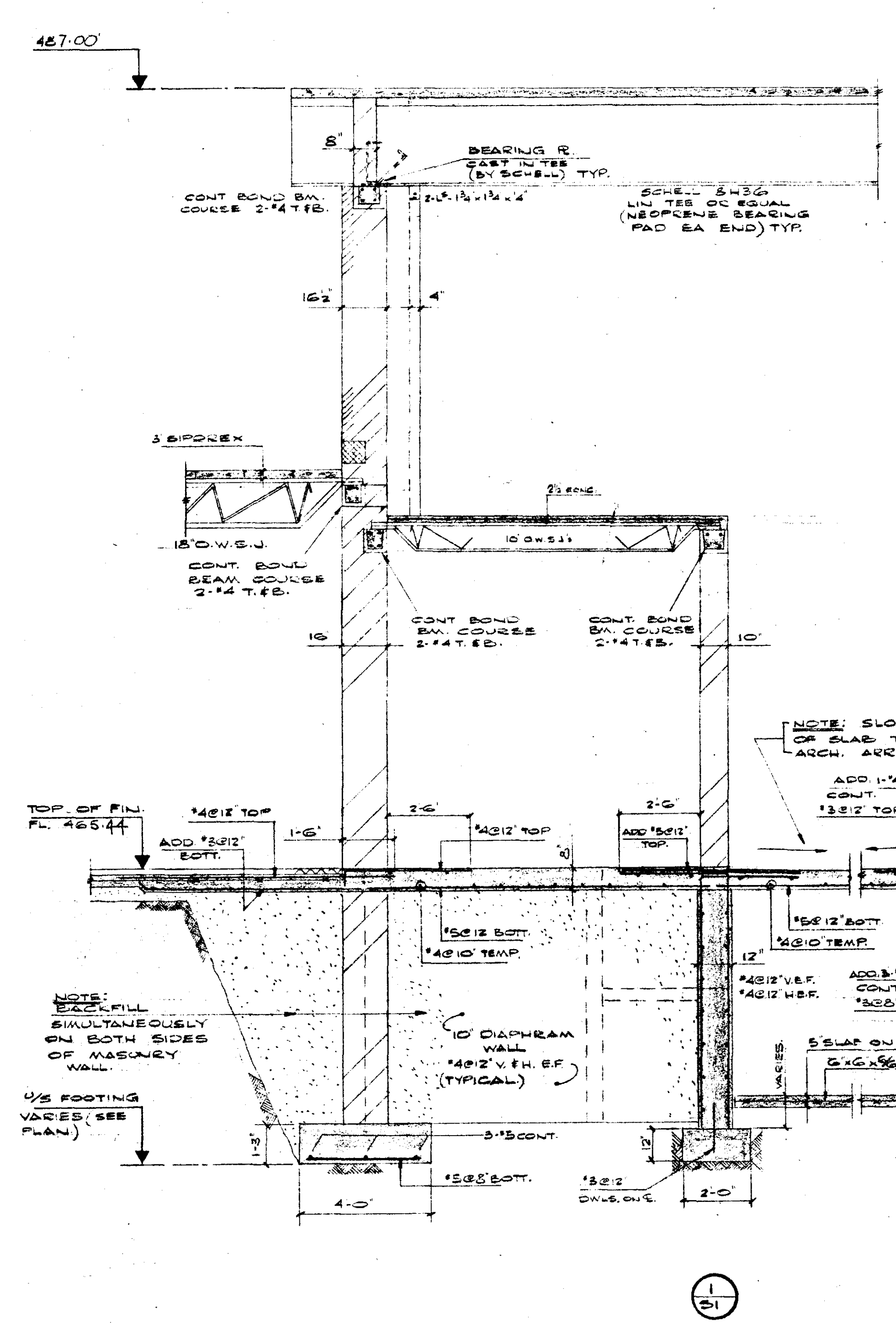


GLENFOREST SWIMMING POOL
SEE THE CORPORATION OF THE TOWN OF MISSISSAUGA

SCALE	1/8" = 1'-0"
DATE	APR. 65
DRAWN BY	M. C. S.
CHECKED BY	SHEET NO. 51

JOB No. **6818**

HANKS, IRWIN & PARTNERS
ARCHITECTS
2248 BLOOR ST. W. TORONTO



REVISED DEC 10 1968

GLENFOREST SWIMMING POOL
FOR THE CORPORATION
OF THE TOWN OF MISSISSAUGA, ONT.

SCALE: 3/8"=1'-0"

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____ SHEET NO. **52** OF 4

H I P

HANKS, IRWIN & PEARSON
ARCHITECTS
2540 BLOOR ST. W. TORONTO, ONTARIO

FOUNDATIONS:

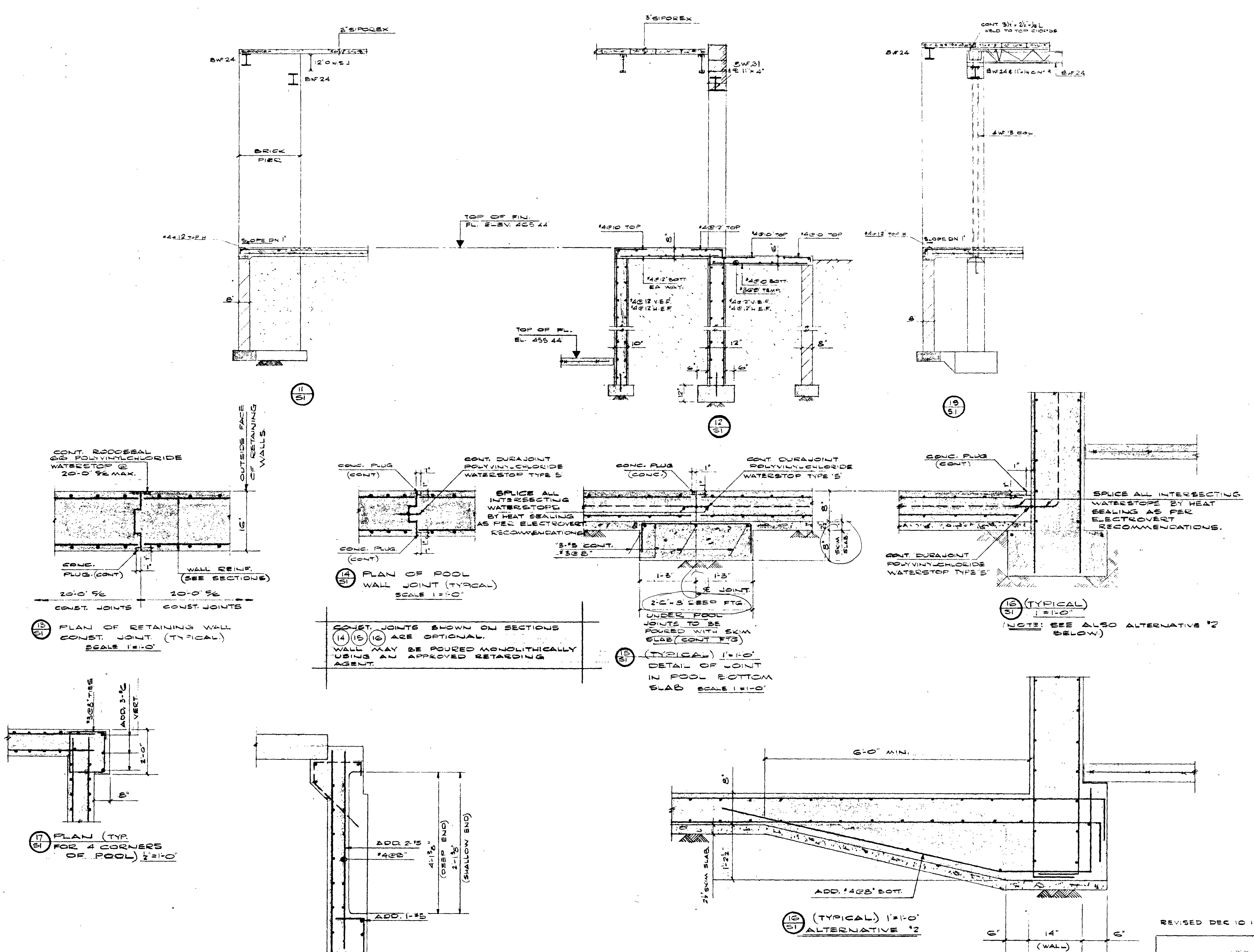
- FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING PRESSURE OF 8,000 P.S.F.
- ALL FOOTING ELEVATIONS SHOWN ON PLAN OR ON SECTIONS ARE THOSE FOR THE ASSUMED SOIL AND DESIGN CONDITIONS.
- ALL FOOTINGS MUST, HOWEVER, BE PLACED A MINIMUM OF 1'-0" BELOW ORIGINAL GRADE ON NATURAL UNDISTURBED SOIL FREE OF ORGANIC MATTER AND CAPABLE OF SUSTAINING THE INDICATED BEARING PRESSURE OF 8,000 P.S.F.
- EXCAVATIONS FOR FOOTINGS SHALL BE INSPECTED BY A REGISTERED TESTING COMPANY TO VERIFY THE BEARING CAPACITY.
- CONCRETE FOR FOUNDATIONS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3,000 P.S.F. AFTER 28 DAYS.
- EXCAVATIONS FOR SLABS ON GRADE MUST SHOW EVIDENCE OF DENSE NATURAL SOIL FREE OF ORGANIC MATTER.
- BACKFILL OF EXCAVATION OVERBREAKS ALONG FOUNDATION WALLS SHALL BE MECHANICALLY COMPACTED GRANULAR MATERIAL CLASS "B" OR MATERIAL APPROVED BY THE ENGINEER.
- BACKFILL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS. BACKFILL RETAINING WALLS BEFORE CONSTRUCTING POOL DECK. RETAINING WALL BACKFILL TO CONSIST OF WELL DRAINED SAND OR GRAVEL. TOP LAYER OF BACKFILL TO BE CLAY TO PREVENT ENTRANCE OF SURFACE WATER. PROVIDE CONJ. JOINTS IN RETAINING WALL @ 20'-0" MAXIMUM. (SEE DETAIL THIS DRAWING)
- THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 1 IN A RUN OF 10, MAXIMUM STEP 2'-0" (3 BLOCK COURSES)
- FOR DRAINAGE AND WATERPROOFING SEE MECHANICAL AND ARCHITECTURAL DRAWINGS AND SOIL REPORT.
- TOP OF CONCRETE SLAB ELEVATIONS TO BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
- WHERE DRAINAGE PIPE INV. ELEVATIONS ARE BELOW FOOTING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS, THE FOOTINGS SHOULD BE LOWERED SO THAT IN NO CASE DRAINAGE PIPES PASS UNDER FOOTINGS. FOR INV. ELEVATIONS SEE MECHANICAL DRAWINGS.
- ALL WALL FOOTINGS TO BE 8" DEEP (APPROX.) UNLESS SHOWN OTHERWISE ON PLAN OR SECTIONS.
- 8" S.M.T. FLOOR (TUNNEL & PAN ROOM) SHALL BE A 5" 2,500 P.S.F. CONC. SLAB ON GRADE REINFORCED WITH ONE LAYER OF 6"x6"x $\frac{1}{2}$ " WELDED WIRE MESH.

- POOL:**
- REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF A.S.T.M.-A432 WITH A MINIMUM YIELD POINT OF 60,000 P.S.F.
 - CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 4,000 P.S.F.
 - CONC. COVER SHALL BE 1" TOP & BOTTOM.
 - BOTTOM SLAB TO BE POURED ON A 2" SKIM SLAB.
 - BOTTOM SLAB TO HAVE HYDRO-RELIEF VALVES TO RELIEVE GROUND WATER PRESSURE, SEE MECH. DWGS.
 - CONTRACTOR MUST SUBMIT CONSTRUCTION SCHEME FOR APPROVAL BY ENGINEER BEFORE PROCEEDING WITH POOL CONSTRUCTION. ALL DETAILS SHOWN ARE FOR CONST. ALTERNATIVE #1 (EXPANSION JOINTS SEPARATING ALL STRUCTURAL COMPONENTS) AS A 2ND ALTERNATIVE, POOL MAY BE CONSTRUCTED AS A WATERPROOF MONOLITHIC TANK. THE POURING OF A MONOLITHIC TANK IS A SPECIALIZED PROCESS INVOLVING CERTAIN REQUIREMENTS IN THE DETAILS AND SPECIFICATIONS, AND SPECIAL CARE ON THE PART OF THE CONTRACTOR IN PLANNING AND CARRYING OUT THE POURING PROCESS. IF ALTERNATIVE #2 IS CHOSEN BY THE CONTRACTOR, THE ENGINEER WILL PROVIDE ADDITIONAL SPECIFICATIONS FOR GUIDANCE IN PREPARING A JOB PLANNING SCHEDULE WITH RELATION TO FORMING, POURING OF CONCRETE, INTRODUCTION OF ADDITIVES, SPECIAL PRECAUTIONS, CURING, AND REMOVAL OF FORMS. POOL MAY BE CONSTRUCTED AS PER ALTERNATIVE #2 ONLY IF APPROVAL IS GIVEN BY ARCHITECT AND STRUCTURAL ENGINEER.

- FIRST FLOOR:**
- POOL DECK TO BE 8" THICK SLOPING TO A MIN. THICKNESS OF 1" @ DRAINS, FOR DRAINAGE ARRANGEMENT SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - REMAINDER OF FLOOR TO BE OF THICKNESS AND REINFORCING SHOWN ON DRAWINGS.
 - FINISHED FLOOR ELEVATIONS TO BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
 - DESIGN LOADS:
LIVE LOAD = 100 P.S.F.
DEAD LOAD = 12"
W = 225"
 - REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF A.S.T.M.-A432 WITH A MINIMUM YIELD POINT OF 60,000 P.S.F.
 - CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3,000 P.S.F.
 - CONC. COVER SHALL BE 3/4" TOP & BOTTOM.
 - CLOSURE STRIPS IN POOL DECK SHALL NOT BE POURED FOR A MINIMUM OF 3 DAYS AFTER ADJACENT SLAB PORTIONS.
 - SEE FOUNDATION NOTE #8.

- BALCONY:**
- SLAB TO BE OF THICKNESS AND REINFORCED AS SHOWN ON SECTIONS.
 - FINISHED FLOOR ELEVATIONS TO BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
 - DESIGN LOADS:
LIVE LOAD = 100 P.S.F.
DEAD LOAD = 20"
W = 120"
 - REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF A.S.T.M.-A432 WITH A MINIMUM YIELD POINT OF 60,000 P.S.F.
 - CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3,000 P.S.F.
 - CONC. COVER SHALL BE 3/4" TOP & BOTTOM.

- ROOF:**
- ROOF STRUCTURE SHALL CONSIST OF SHELL 3"x3" LIN TEES, OR APPROVED EQUAL, OVER POOL AREA AND 3" SIPREX ON O.W.S.U. FOR REMAINDER.
 - FOR JOIST SIZES SEE PLAN.
 - DESIGN LOADS: (SUPERIMPOSED)
LIVE LOAD = 40 P.S.F.
ROOFING = 10"
 - WHERE MECHANICAL SERVICES ARE REQUIRED TO PASS THROUGH MASONRY WALLS (FOR OPENINGS LARGER THAN 8" BLOCK COURSE DEEP) ONE OF THE FOLLOWING LINTELS IS TO BE PROVIDED:
FOR 6" WALLS - 2"x3"x4"
FOR 8" WALLS - 2"x2"x2"x6"
FOR 10" WALLS - 3"x3"x4"
FOR 12" WALLS - 3"x3"x6"
UNLESS NOTED OTHERWISE ON PLAN, EACH SIDE OF OPENING TO BE CONSTRUCTED OF SOLID BLOCK.
 - ALL L'S CALLED FOR IN NOTE #4 ARE TO BE SUPPLIED LOOSE, IN RANDOM LENGTHS, AND ARE TO BE CUT TO LENGTH & WELDED, (IF REQD.) ON SITE.
 - POINT LOADS ON JOISTS, DUE TO MECHANICAL SERVICES, ETC., TO BE CHECKED BY JOIST SUPPLIER.
 - PROVIDE CONT. BOND BM. UNDER ALL JOISTS BEARING ON MASONRY WALLS. BOND BEAM TO BE FILLED WITH 2,500 P.S.F. CONC. GROUT WITH 2"x4"x8" CONT.
 - PROVIDE STANDARD BEARING R² (3/4" MIN. THICKNESS) WITH STRAP ANCHORS CAST INTO CONC. GROUT IN CONT. BOND BEAM UNDER ALL JOISTS.
 - JOIST SHOES TO BE FIELD WELDED TO BEARING R².
 - ALL BOND BEAMS TO BE THOROUGHLY WETTED BEFORE POURING CONC. FILL.
 - ALL STEEL BMS. BEARING ON MASONRY TO HAVE 5"x5"x5" LEVELLING R² EXCEPT WHERE NOTED OTHERWISE.
 - OPENINGS IN ROOF UP TO 18"x18" TO BE FRAMED BY SIPREX SUPPLIER. OPENINGS IN ROOF OVER 18"x18" TO BE FRAMED BY 4"x4"x4" UNLESS NOTED OTHERWISE. FOR SIZE & LOCATION OF OPENINGS SEE MECH. DWGS.



REVISED DEC 10 1968

GLENFLOREST SWIMMING POOL FOR THE CORPORATION OF THE TOWN OF MISSISSAUGA

DATE: AUG 68

DRAWN BY: HANKS, ROY & CO. ARCHITECTS

W. HANKS, ROY & CO. ARCHITECTS

STRUCTURAL STEEL

DESIGN

FRAME MEMBERS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE ELASTIC THEORY.
ASSUMING SHAPE-RESISTING CONNECTIONS.
ALL MEMBERS HAVE BEEN PROPORTIONED IN COMPLIANCE WITH CSA STANDARD S16-1985 C16, C17, C18.
FABRICATION AND ERECTION

FABRICATION, ERECTION AND FABRICATORS DRAWINGS SHALL CONFORM TO CSA STANDARD S16-1985.

MATERIALS

STRUCTURAL STEEL SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS:
(A) CSA STANDARD G-40.12-1964
(B) CSA STANDARD G-40.8-1960

STEEL FOR RIVETS SHALL CONFORM TO ONE OF THE FOLLOWING SPECIFICATIONS:
(A) CSA STANDARD G-40.2-1959
(B) ASTM STANDARD A 195-1959

ORDINARY BOLTS SHALL CONFORM TO ASTM STANDARD A 307-1955
HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM STANDARD A 325-1955

WELDING ELECTRODES SHALL CONFORM TO CSA STANDARD W 48.1-1952

CONNECTIONS

CONNECTIONS OF BEAMS TO COLUMNS OR TO BIRDERS, UNLESS NOTED OTHERWISE ON PLAN OR IN DETAILS, SHALL BE FRAMED CONNECTIONS AND SHALL BE PROPORTIONED TO DEVELOP THE FULL SHEAR CAPACITY OF THE BEAM. SEATED BEAM CONNECTIONS INDICATED ON THE DRAWINGS, BUT NOT SHOWN SPECIFICALLY IN DETAIL, SHALL BE CONSTRUCTED AS FOLLOWS:

THE SEATED CONNECTION SHALL BE PROPORTIONED FOR THE BEAM REACTION NOTED AND SHALL BE SUPPLEMENTED BY AN ADDITIONAL WEB CONNECTION. THE BOTTOM FLANGE OF THE BEAM SHALL BE FASTENED TO THE SEAT WITH 2-1/4" DIA. BOLTS. SLOTTED HOLES OF SIZE 1/4" x 1/4" SHALL BE PROVIDED IN THE BEARING PLATE OF THE SEAT TO PERMIT FREE MOVEMENT OF THE FASTENERS IN THE DIRECTION PARALLEL TO THE AXIS OF THE BEAM. THE WEB CONNECTION SHALL CONSIST OF ONE CLIP-ANGLE AND 2 ORDINARY BOLTS AND SHALL, WHERE PRACTICABLE, BE LOCATED AT THE MID-HEIGHT OF THE BEAM.
ALL CONNECTING SURFACES SHALL RECEIVE ONE PRIMER COAT. ALL BOLTS IN THE CONNECTION ASSEMBLY SHALL BE KEPT HAND TIGHT UNTIL SECONDARY MEMBERS AND THE DECK STRUCTURE SUPPORTED BY THE BEAM HAVE BEEN INSTALLED. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL CONNECTION HAS BEEN FULLY TIGHTENED.

FIELD CONNECTIONS OF COLUMNS TO BASE PLATES SHALL NOT BE PERMITTED, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

HIGH-STRENGTH BOLTED CONNECTION SHALL BE USED FOR FIELD SPICES OF BEAMS, UNLESS NOTED OTHERWISE IN DETAILS.

SHOP CONNECTIONS

HIGH-STRENGTH BOLTS, RIVETS OR WELDS MAY BE USED FOR ALL SHOP CONNECTIONS WHERE THE TYPE OF THE CONNECTION HAS NOT BEEN SPECIFIED ON THE DRAWINGS. CONTACT SURFACES OF CONNECTIONS SHALL NOT RECEIVE PAINT OR PRIMER COAT UNLESS SPECIFICALLY NOTED ON DETAILS. HIGH-STRENGTH BOLTED CONNECTIONS SHALL BE FRICTION-TYPE CONNECTIONS UNLESS NOTED OTHERWISE ON THE DRAWING. WELDED CONNECTIONS SHALL BE USED ONLY BY FABRICATORS HAVING THE RELEVANT APPROVAL OF THE CANADIAN WELDING BUREAU.

FIELD CONNECTIONS

FIELD CONNECTIONS SHALL CONFORM TO CLAUSE 22.12 OF CSA STANDARD S16-1985. WELDED CONNECTIONS, UNLESS SPECIFIED ON THE DRAWINGS, SHALL NOT BE PERMITTED. WELDED CONNECTIONS SHALL BE USED ONLY BY ERECTORS HAVING THE RELEVANT APPROVAL OF THE CANADIAN WELDING BUREAU.

WELDING

ARC WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD W 59-1948 AND CSA STANDARD S 18-1985.

WHERE THE CONDITIONS OF THE TWO STANDARDS ARE AT VARIANCE, S16-1985 SHALL APPLY. RESISTANCE WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD W 55-1965 AND CSA STANDARD W 55.3-1965.

THE FABRICATOR OR CONTRACTOR UNDERTAKING WELDING WORK SHALL BE CERTIFIED BY THE CANADIAN WELDING BUREAU AS BEING QUALIFIED.

SHOP PAINTING, CLEANING AND SURFACE PREPARATION

UNLESS OTHERWISE SPECIFIED, SHOP PAINT AND SURFACE PREPARATION FOR PAINTING SHALL EACH CONFORM TO ONE OF THE FOLLOWING APPLICABLE SPECIFICATIONS OF THE CANADIAN GOVERNMENT SPECIFICATIONS BOARD

CGSB SPECIFICATIONS: 1-GP-140-1964
1-GP-400-1951
1-GP-408-1951
31-GP-401-1956
31-GP-402-1956
31-GP-403-1956
31-GP-404-1957

STEEL SURFACES IN CONTACT WITH CONCRETE OR TOP SURFACES OF BEAMS CARRIING MASONRY SHALL NOT BE PAINTED.

LINTELS

UNLESS SHOWN OTHERWISE ON THE DRAWINGS, THE FABRICATOR SHALL SUPPLY THE FOLLOWING OVER OPENINGS IN MASONRY WALLS

FOR EACH 4" OF WALL THICKNESS OR PORTION THEREOF:
1-1 3/4" x 3/4" x 3/4" FOR OPENINGS UP TO 4'-0"
1-1 5/8" x 3/4" x 3/4" FOR OPENINGS UP TO 6'-0"

COMPONENTS OF LINTELS MUST AT LEAST BE TIED IN PAIRS TO PROVIDE LATERAL STABILITY. LINTELS SHALL BE FABRICATED AS SHOWN IN DETAILS.

MINIMUM BEARING OF LINTELS SHALL BE 4" EXPOSED FACES OF LINTEL SHALL RECEIVE ONE PRIMER COAT. THE FABRICATOR SHALL FURNISH DRAWINGS INDICATING CLEARLY THE LOCATION OF LINTELS TO BE INSTALLED BY OTHER TRADES.

MASONRY

DESIGN

MASONRY WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH SUBSECTION 4.4.0 OF THE NATIONAL BUILDING CODE OF CANADA 1965.

MATERIALS

MASONRY UNITS AND MORTAR SPECIFIED ON THE DRAWINGS SHALL MEET THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA 1965.
MORTAR, UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE "S" TYPE MORTARS AS GIVEN BELOW.

DESIGNATION OF MASONRY UNITS

E: HARD BRICK WITH AN ULTIMATE COMPRESSIVE STRENGTH IN EXCESS OF 8000 PSI.
B: BRICK OR FACE BRICK WITH AN ULTIMATE COMPRESSIVE STRENGTH IN EXCESS OF 4500 PSI.
L: SOFT BRICK OR SAND-LINE BRICK.
S: SOLID CONC. BLOCK WITH AN ULTIMATE COMPRESSIVE STRENGTH OF MORE THAN 1800 PSI.
C: CONCRETE BLOCK WITH AN ULTIMATE COMPRESSIVE STRENGTH OF MORE THAN 1800 PSI, HAVING A CROSS-SECTIONAL NET AREA OF 75% OF ITS GROSS AREA.
H: HOLLOW CONCRETE BLOCK WITH AN ULTIMATE COMPRESSIVE STRENGTH OF MORE THAN 1000 PSI.
LW: LIGHT WEIGHT AGGREGATE, HOLLOW BLOCK.

COMPOSITION OF MORTARS IN PARTS BY VOLUME

TYPE M: 1 PART PORTLAND CEMENT, 1 PART MASONRY CEMENT, 4 1/2 TO 6 PARTS AGGREGATE.
TYPE S: 1 1/2 PART PORTLAND CEMENT, 3 1/2 TO 4 PARTS AGGREGATE.
TYPE N: 1 PART MASONRY CEMENT, 2 1/2 TO 3 PARTS AGGREGATE.

BEARING OF STEEL MEMBERS

UNLESS SHOWN OTHERWISE, CONCRETE BEAMS, STEEL BEAMS OR LINTELS SHALL BEAR ON SOLID BRICK OR SOLID CONCRETE BLOCK OF MINIMUM LENGTH AND MINIMUM DEPTH OF TWICE THE BEARING SPECIFIED FOR SUCH MEMBERS.
THE MINIMUM BEARING FOR CONCRETE OR STEEL BEAMS SHALL BE 8" FOR LINTELS 8" FOR CONCRETE BEAM 4".
HOLES IN BEARING POCKETS FOR STEEL BEAM, LINTEL AND STEEL JOIST SHALL, AFTER INSTALLATION OF SUCH MEMBERS, BE THOROUGHLY PACKED AND GROUTED WITH 2500 PSI CONCRETE.
WALL PLATES PROVIDING A BEARING SURFACE FOR STRUCTURAL STEEL MEMBERS SHALL BEAR ON SOLID BRICK AS SPECIFIED ABOVE AND ARE TO BE SET TRUE AND LEVEL INTO 2500 PSI CONCRETE BRIDGES.

BONDING

FACE BRICK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, SHALL BE BONDED TO THE CONCRETE BLOCK BACK-UP WITH 6 COURSE HEADERS.
SEE ALSO DETAILS ON ARCHITECT'S DRAWINGS.

GENERAL

DIMENSIONS

ALL DIMENSIONS GIVEN ON STRUCTURAL DRAWINGS MUST BE CHECKED WITH THE ARCHITECTURAL DRAWINGS, AND ANY INCONSISTENCIES REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

FOUNDATIONS

ALL EXTERIOR FOOTINGS OR FOOTINGS EXPOSED TO FROST ACTION SHALL BE CARRIED DOWN TO A MINIMUM DEPTH OF 4'-0" BELOW FINISHED GRADE.
ALL FOOTINGS ARE TO BE PLACED ON NATURAL UNDISTURBED SOIL FREE OF ORGANIC MATTER AND AT LEAST 1'-6" BELOW ORIGINAL GRADE.
IF SOIL CONDITIONS OTHER THAN THOSE ASSUMED (SEE NOTES ON FOUNDATION PLAN) ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED. THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 1 IN A RUN OF 10.
THE MAXIMUM STEP TO BE 2'-0".

CONCRETE

CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH AFTER 28 DAYS OF THE VALUES NOTED ON THE DRAWINGS.
OPENINGS IN CONCRETE WALLS ARE TO BE FRAMED WITH 2-#5 BARS IN SILL, JAMBS AND HEAD UNLESS NOTED OTHERWISE ON THE DRAWINGS.
CHASES ARE TO BE LEFT IN THE RESPECTIVE WALL PORTION FOR SLABS AND BEAMS.
THE MINIMUM BEARING FOR CONCRETE OR STEEL BEAM SHALL BE 8", FOR SLAB 4", UNLESS NOTED OTHERWISE ON THE DRAWINGS.
FOR TYPICAL DETAILS OF CONCRETE SLABS SEE DRAWINGS D1, D2, D3.

CONCRETE COVER FOR WALL REINFORCEMENT SHALL BE AS FOLLOWS:

1" FOR INTERIOR WALL FACE.
1 1/2" FOR EXTERIOR WALL FACE.
2" FOR WALL FACE EXPOSED TO GROUND SURFACE.
3" IF CONCRETE IS DEPOSITED AGAINST GROUND SURFACE WITHOUT FORM.

OPENINGS OTHER THAN THOSE INDICATED ON PLAN OR SECTIONS SHALL NOT BE INSTALLED IN FLOOR SLABS OR IN WALLS UNLESS APPROVAL IS OBTAINED FROM THE ENGINEER.

CUT OUTS AND SLEEVES FOR PUMPS AND DUCTWORK SHALL NOT BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.

CUT OUTS AND SLEEVES SHALL NOT BE OF GREATER SIZES THAN REQUIRED FOR THE INSTALLATION OF MECHANICAL ITEMS.

REINFORCING STEEL

REINFORCING STEEL SHALL MEET THE SPECIFICATIONS NOTED ON THE DRAWINGS.
SUBSTITUTION OF MATERIAL WITH GREATER YIELD-STRENGTH SHALL NOT BE PERMITTED.
ALL REINFORCING BAR ARE TO HAVE DEFORMATIONS MEETING ASTM A-305-LATEST.
ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL, UNLESS NOTED OTHERWISE, MUST FOLLOW THE "ACI" MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES "ACI 318" LATEST.
PLACING DIAGRAMS SHALL BE SUBMITTED IN DUPLICATE FOR APPROVAL BY THE ENGINEER.

OPEN-WEB STEEL JOISTS AND LONG SPAN STEEL JOISTS

DEFINITION

WITHIN THE SCOPE OF THIS WORK

(1) - OPEN-WEB STEEL JOIST SHALL MEAN A LIGHT-WEIGHT TRUSS AS DEFINED IN CLAUSES 30.2 AND 30.3 OF CSA STANDARD S16-1985, HAVING THE FOLLOWING CHARACTERISTICS:

- (a) THE HEIGHT OF THE JOIST, WHERE PRACTICABLE, SHALL BE 2'-6".
- (b) THE PANEL LENGTH SHALL NOT EXCEED 24".
- (c) THE EFFECTIVE LENGTH OF BEARING SHALL BE 4".
- (d) THE WIDTH OF BEARING SHALL NOT BE SMALLER THAN 4", NOR SHALL IT EXCEED 6".

(2) - LONG SPAN STEEL JOIST SHALL MEAN A LIGHT-WEIGHT TRUSS AS DEFINED IN CLAUSES 30.2 AND 30.3 OF CSA STANDARD S16-1985, HAVING THE FOLLOWING CHARACTERISTICS:

- (a) THE HEIGHT OF THE JOIST, WHERE PRACTICABLE, SHALL BE 5".
- (b) THE EFFECTIVE LENGTH OF BEARING SHALL BE 6".
- (c) THE MINIMUM WIDTH BEARING SHALL BE 6".

(3) - W: THE TOTAL, UNIFORMLY DISTRIBUTED DEAD AND LIVE LOAD OF THE FLOOR OR ROOF STRUCTURE IN POUNDS PER SQUARE FOOT.
U: THE TOTAL, UNIFORMLY DISTRIBUTED DEAD AND LIVE LOAD OF THE FLOOR OR ROOF STRUCTURE IN POUNDS PER LINEAR FOOT OF THE JOIST.
P: ADDITIONAL, CONCENTRATED LOAD IN KIPS.

DESIGN

ONLY CONTRACTORS CERTIFIED BY THE CANADIAN WELDING BUREAU AS BEING QUALIFIED AND HAVING OBTAINED THE APPROVAL OF THE MUNICIPALITY HAVING JURISDICTION SHALL UNDERTAKE THE DESIGN, FABRICATION AND ERECTION OF OPEN WEB STEEL JOISTS.

JOISTS SHALL BE DESIGNED IN ACCORDANCE WITH CSA STANDARD S16-1985 AND IN COMPLIANCE WITH THE REGULATIONS AND PROVISIONS OF THE MUNICIPALITY HAVING JURISDICTION AND SHALL BE PROPORTIONED FOR THE DESIGN LOADS INDICATED ON THE STRUCTURAL DRAWINGS.
FABRICATORS DRAWINGS MUST INDICATE THE ASSUMED DESIGN LOADS AND THE TYPE OR TYPES OF STRUCTURAL STEEL SPECIFIED FOR THE VARIOUS MEMBERS.

SPACING

THE SPACING OF OPEN-WEB STEEL JOIST SUPPORTING A POURED CONCRETE DECK SHALL NOT EXCEED 24" IN FLOOR STRUCTURES AND 30" IN ROOF STRUCTURES, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

DOUBLE JOISTS

THE FABRICATOR SHALL PROVIDE DOUBLE-JOIST UNDER ALL MASONRY PARTITIONS PARALLEL TO THE SPAN OF THE JOISTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. JOISTS SHALL BE PROPORTIONED FOR THE NOMINAL DESIGN LOAD AND THE ADDITIONAL PARTITION LOAD.

WIDTH OF TOP CHORD

THE MINIMUM WIDTH FOR TOP CHORDS OF JOISTS SUPPORTING PRECAST DECK SHALL BE 4".
THE WIDTH OF TOP CHORDS OF JOISTS SUPPORTING A STRUCTURAL STEEL DECK SHALL CONFORM TO THE SPECIFICATION OF THE STEEL DECK SUPPLIER.

JOISTS EXTENSIONS

THE HEIGHT OF CANTILEVERED TOP CHORD EXTENSIONS MEASURED AT THE BEARING OF THE JOIST SHALL BE 4" UNLESS NOTED OTHERWISE ON THE DRAWINGS. CANTILEVERED EXTENSIONS SHALL BE DESIGNED TO SUSTAIN SAFELY ALL SUPERIMPOSED LOADS INCLUSIVE OF THAT OF THE CONCRETE INDEPENDENTLY OF THE FLEXURAL CAPACITY OF THE CASING.

TIE-JOISTS

BOTTOM CHORDS OF JOIST DESIGNATED AS "TIE-JOISTS" ON THE STRUCTURAL DRAWINGS SHALL BE CONNECTED TO THE SUPPORTING MEMBERS AFTER THE INSTALLATION OF BRIDGING AND DECK HAS BEEN COMPLETED.
THE JOIST SHALL BE REPOSITIONED FOR THE GREATER EFFECT ARISING FROM EITHER ONE OF THE FOLLOWING LOADING CONDITIONS:

- (1) NOMINAL, UNIFORMLY DISTRIBUTED DESIGN LOAD (S) DEAD AND LIVE LOAD) SPECIFIED, AND ANY ADDITIONAL CONCENTRATED LOAD, WHERE SHOWN IN PLAN OR IN DETAILS, ASSUMING SIMPLE CONSTRUCTION.
- (2) THE ALGEBRAIC SUM OF THE EFFECTS OF:
 - (a) NOMINAL, UNIFORMLY DISTRIBUTED DEAD LOAD, ASSUMING SIMPLE CONSTRUCTION.
 - (b) NOMINAL, UNIFORMLY DISTRIBUTED LIVE LOAD AND ANY ADDITIONAL CONCENTRATED LOAD, ASSUMING CONTINUOUS CONSTRUCTION.
 - (c) AN ADDITIONAL, REVERSIBLE END-MOMENT, WHERE NOTED (M IN KIP.FT.) ON THE DRAWINGS.

BEARING ON MASONRY

THE STANDARD MINIMUM BEARING OF 4" EFFECTIVE LENGTH FOR JOISTS SUPPORTING A 2 1/2" CONCRETE DECK SHALL BE SUBJECT TO THE LIMITATIONS SET FORTH IN THE TABLE BELOW OR AS NOTED ON THE DRAWINGS.

TYPE OF MASONRY (SEE NOTE "A" BELOW)	MAXIMUM SPANS FOR 4" BEARING LENGTH AND 24" SPACING			
	2	4	6	8
SOLID CONCRETE BLOCK	200	120	80	250
BRICK	200	120	80	200
WIDTH OF BEARING	4"	4"-0"	4"-0"	4"-0"
	4"-0"	4"-0"	4"-0"	4"-0"

N: THE NUMBER OF WALL TIERS ABOVE THE BEARING.
F: THE AVERAGE COMPRESSIVE UNIT STRESS RESULTING FROM THE END-REACTION OF THE JOIST.

FOR SPACINGS SMALLER THAN 24", THE PERMISSIBLE SPAN INDICATED IN THE TABLE ABOVE MAY BE INCREASED IN PROPORTION.

THE LIMITATIONS CONTAINED IN THE TABLE SHALL NOT APPLY WHEN STRUCTURAL ANALYSIS IN ACCORDANCE WITH "NBC-1965, PART 4.4.9" SHOWS THAT THE SUM OF AXIAL UNIT STRESS IN THE WALL (SEE SCHEDULE) AND THE UNIT STRESS ON THE BEARING ATTRIBUTED TO THE END REACTION OF THE JOISTS DOES NOT EXCEED THE FOLLOWING VALUES:

250 PSI FOR BEARING ON SOLID CONCRETE BLOCK.
375 PSI FOR BEARING ON BRICK.

THESE VALUES SHALL BE MODIFIED AS INDICATED IN TABLE 4.4.9.C. OF THE NATIONAL BUILDING CODE OF CANADA.

TIES ACROSS INTERIOR WALLS

BAR-TIES SHALL BE INSTALLED BETWEEN JOISTS FORMING COSECUTIVE SIMPLE SPANS AND HAVING A COMMON BEARING ON AN INTERIOR MASONRY OR CONCRETE WALL.
THE BAR-TIES, PROVIDING A TENSION LINK BETWEEN CONSECUTIVE SPANS OF THE FLOOR-STRUCTURAL ROOF STRUCTURE, SHALL BE INSTALLED REGARDLESS OF THE TYPE OF DECK SUPPORTED BY THE JOISTS.

THEY, UNLESS NOTED OTHERWISE, SHALL CONSIST OF 3/8" DIAMETER BARS OF A LENGTH EQUAL TO THE WALL THICKNESS. BAR-TIES SHALL BE WELDED TO THE TOP CHORDS OF THE JOISTS AND SHALL, WHERE PRACTICABLE, BE POSITIONED HORIZONTALLY AND PARALLEL TO THE VERTICAL PLANE OF THE JOIST.

WHERE JOISTS IN CONSECUTIVE SPANS ARE OFF-SET TO OBTAIN BEARING, BAR-TIES SHALL BE INCURED TO THE VERTICAL PLANE OF THE JOIST WITH A SLOPE NOT GREATER THAN 1 IN 2.
THE MAXIMUM SPACING OF BAR-TIES SHALL BE 6'-0".
ADDITIONAL MASONRY ANCHORS SHALL BE PROVIDED FOR ROOF-STRUCTURES ONLY.

MASONRY ANCHORS

THE FABRICATOR SHALL PROVIDE MASONRY WALL ANCHORS WHERE SHOWN ON THE DRAWINGS. ANCHORS SHALL NOT BE REQUIRED WHERE A POURED/REINFORCED CONCRETE DECK PROVIDES AN ADEQUATE TIE BETWEEN TWO CONSECUTIVE JOIST SPANS ACROSS INTERIOR WALLS.

JOISTS CARRYING DECKINGS OTHER THAN POURED CONCRETE SLABS SHALL BE ANCHORED TO THE SUPPORTING MASONRY IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS SET FORTH IN CLAUSES 33.15 OF CSA-S16-1985, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

BRIDGING

BRIDGING SHALL CONFORM TO CSA STANDARD S16-1985 AND SHALL, UNLESS NOTED ON THE DRAWINGS, BE PROPORTIONED TO SATISFY THE MINIMUM REQUIREMENTS SPECIFIED IN CLAUSES 33.19 AND 33.20 OF THE SPECIFICATION.

ERECTION ON MASONRY

JOISTS SHALL NOT BE PLACED ON MASONRY WALLS UNLESS THE ERECTOR HAS ASCERTAINED THAT THE MASONRY STRUCTURE CONFORMS TO THE FOLLOWING REQUIREMENTS:

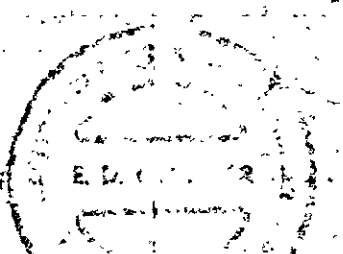
- (1) - THE MORTAR IN THE WALL SHALL HAVE ADEQUATELY SET.
- (2) - ANCHORAGE MEMBERS TO BE INSTALLED BY OTHER TRADES SHALL BE PROPERLY PLACED AND SHALL BE LOCATED AND ALIGNED AS INDICATED ON THE DRAWINGS.
- (3) - THE CLEAR SPAN, MEASURED BETWEEN FACES ON THE SUPPORTING WALLS, SHALL NOT VARY BY MORE THAN 1/4" FROM THE DIMENSION INDICATED ON THE DRAWINGS.
- (4) - THE MASONRY BEARINGS SHALL BE CONSTRUCTED IN STRICTEST CONFORMANCE WITH THE DETAILS ON THE DRAWINGS.

DEVIATIONS FROM THESE REQUIREMENTS SHALL NOT BE PERMITTED.
METAL, V-RIB TYPE CONCRETE-FORMS SHALL NOT BEAR MORE THAN 1" ON THE MASONRY (OR CONCRETE) WALLS TO PERMIT FULL PENETRATION OF THE FLOOR-CONCRETE INTO ALL VOIDS.

BEARING POCKETS FOR JOISTS SHALL BE CLOSED WITH SUITABLE DEVICES ALONG THE FACE OF THE WALL ONLY. ANY DEVICE LIKELY TO RESTRICT THE FLOW OF CONCRETE INTO THE BEARING POCKET SHALL NOT BE PERMITTED.

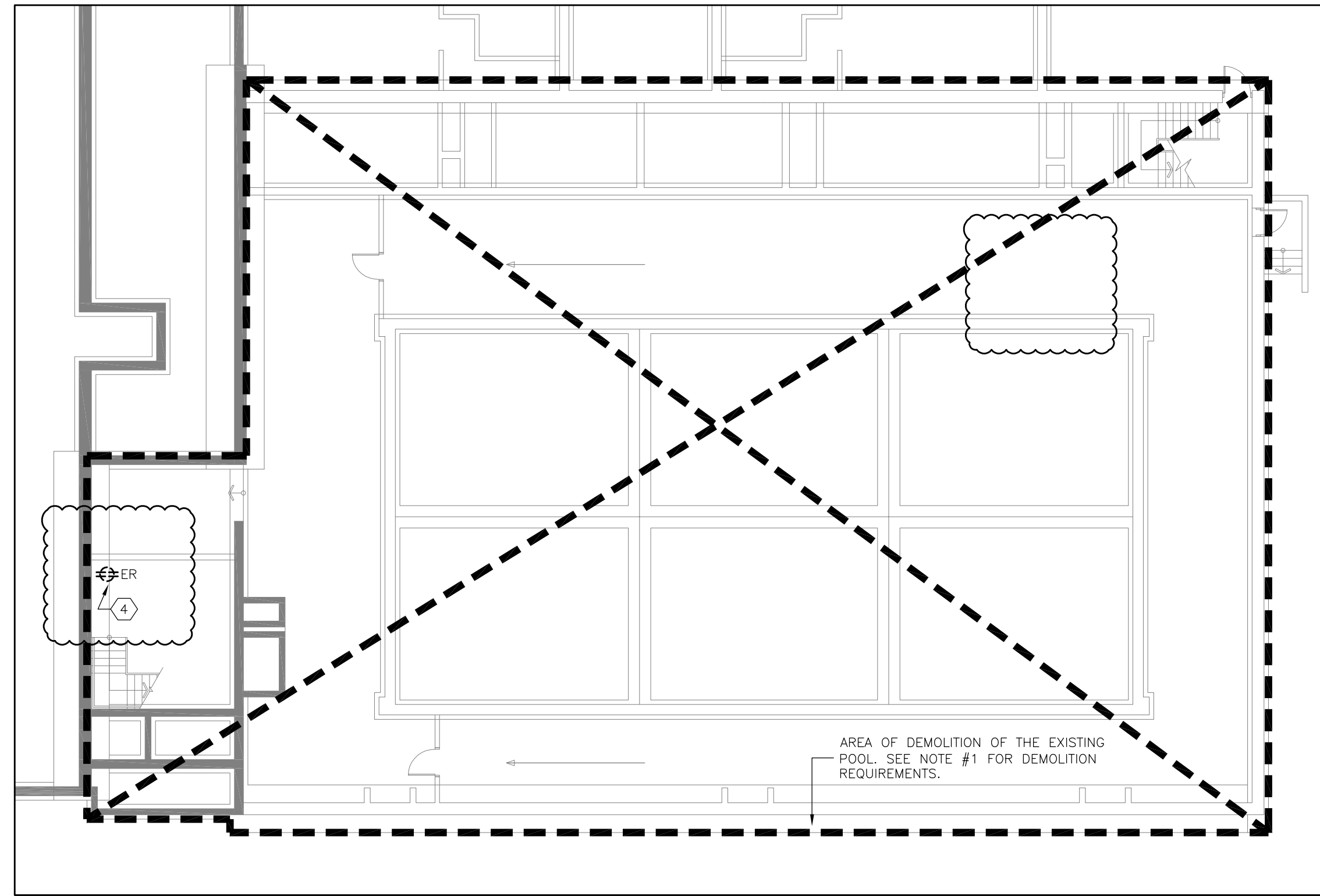
WELDED WIRE MESH USED AS REINFORCEMENT OF POURED CONCRETE DECK SLABS SHALL EXTEND ACROSS INTERIOR WALLS AND ACROSS EXTERIOR AND END WALLS TO WITHIN ONE INCH FROM THE PERIMETER OF THE CONCRETE DECK SLAB.

CONCRETE DECK SLABS SHALL TERMINATE 4" FROM THE EXTERIOR FACE OF WALL, UNLESS SHOWN OTHERWISE IN DETAILS.



GLENFOREST SWIMMING POOL FOR THE CORPORATION OF THE TOWN OF MISSISSAUGA, ONT.	
SCALE	1" = 1'-0"
DATE	AUG 63
DRAWN BY	
CHECKED BY	5.1 OF 4
JOB No.	6818
HANKS, IRWIN & PEARSON ARCHITECTS 2848 BLOOR ST. W. TORONTO, ONTARIO	

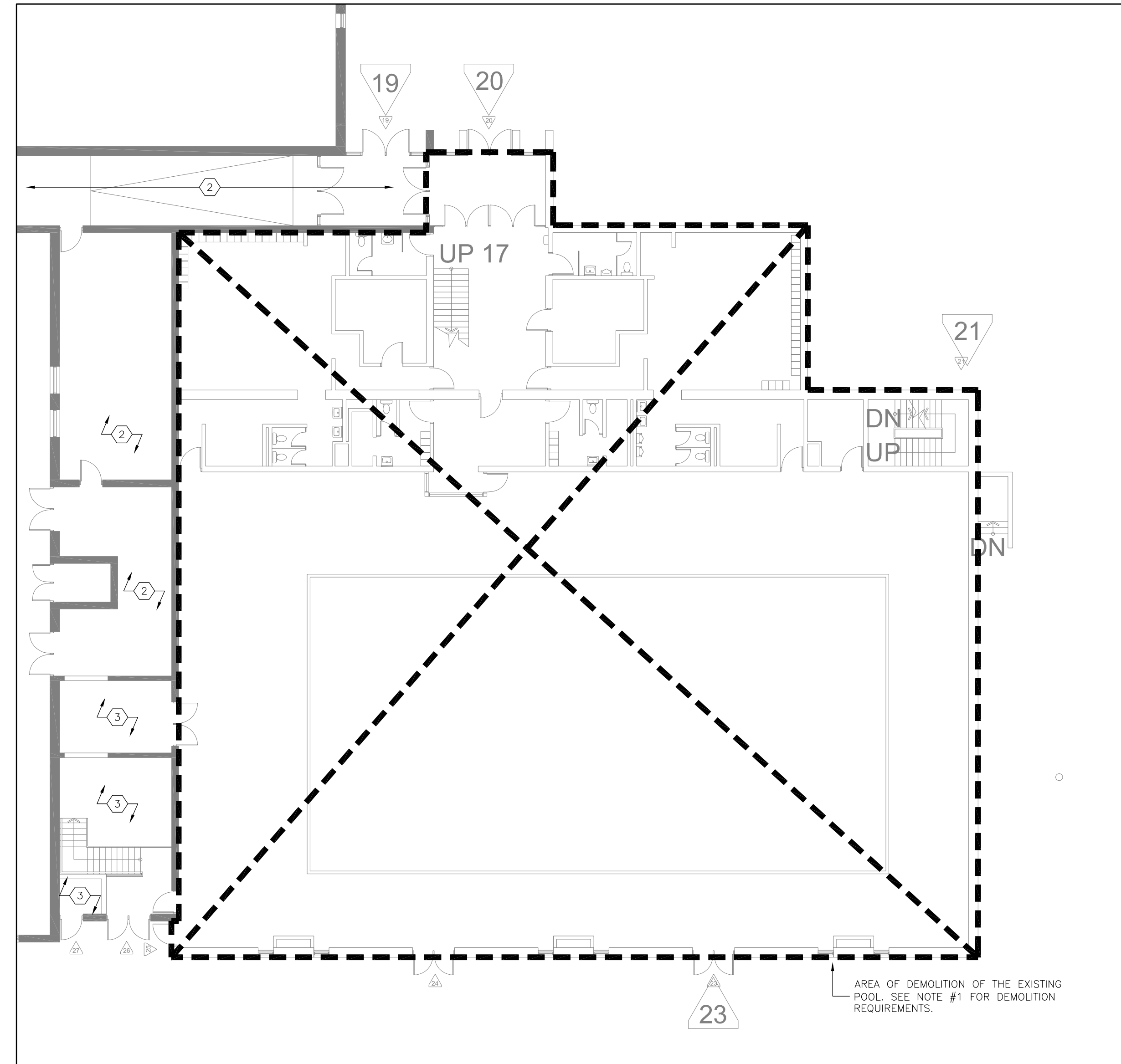
20615013



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

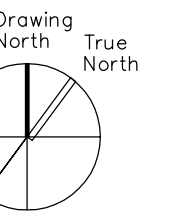
DRAWING NOTES:

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.
2. ALL EXISTING POWER, SYSTEMS AND LIGHTING IN THIS SPACE ARE TO REMAIN AS IS.
3. ALL EXISTING POWER, SYSTEMS AND LIGHTING IN THIS SPACE ARE TO BE DEMOLISHED AND REPLACED WITH NEW - SEE NEW PLAN FOR NEW DETAILS.
4. 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
 1. Contractor shall check and verify all dimensions and shall report discrepancies to ETUDE ARCHITECTS INC. prior to construction.
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F (289)-327-3420

ELECTRICAL
MECHANICAL
LIGHTING
COMMUNICATION
SECURITY

NO.	DESCRIPTION	DATE
4.	ISSUED FOR ADDENDUM #1	MAY 13/24
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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 5650 Hurontario Street, Mississauga, Ont., L5R 1C6
 Tel: (905) 890-1099, Fax: (905) 890-9453

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Project Name

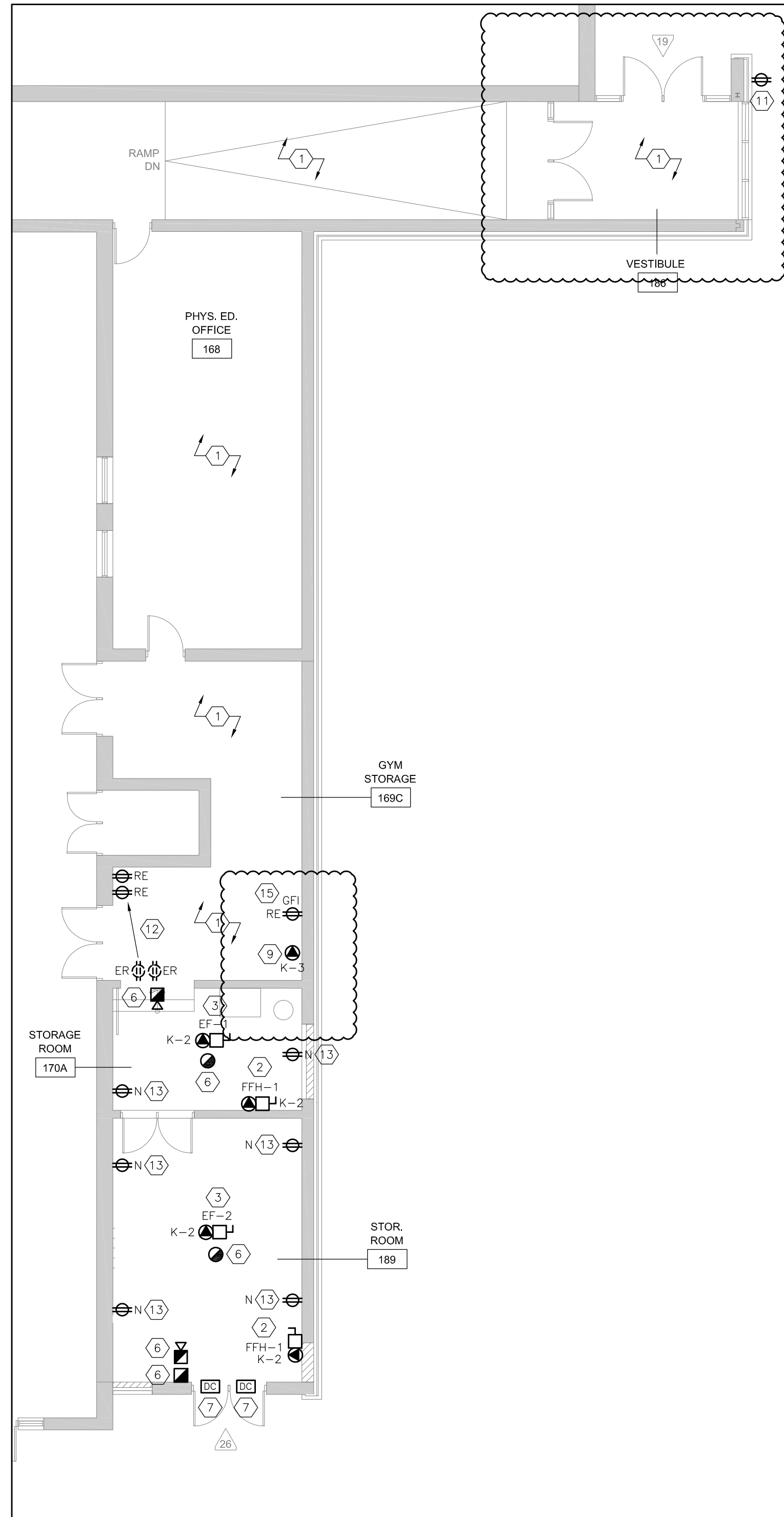
**GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL**
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

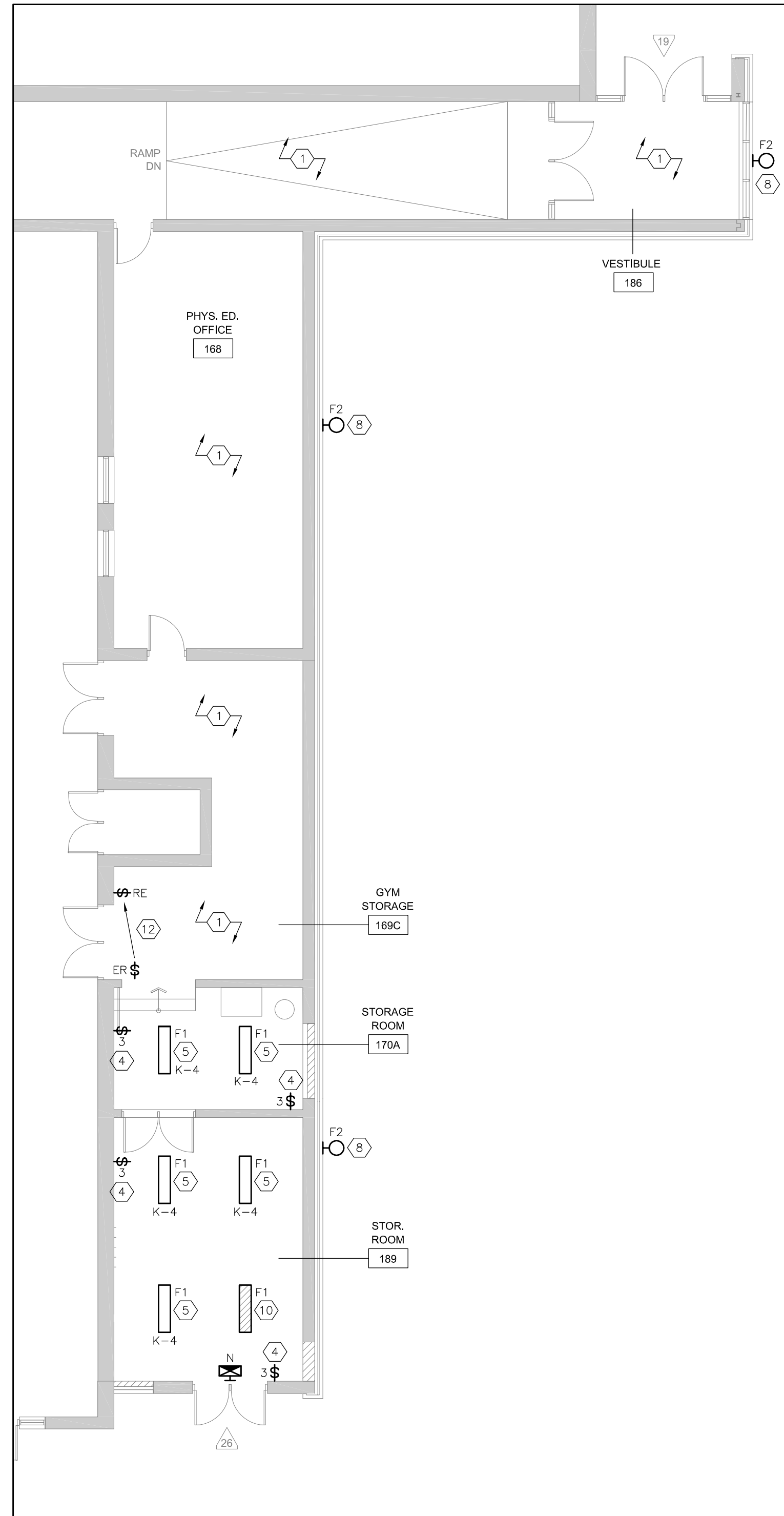
Drawing Title

DEMOLITION PLANS

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



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

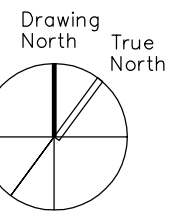


2 NEW LIGHTING PLAN - FIRST FLOOR PART PLAN
SCALE: 1:100

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.
- 15 RELOCATED EXISTING GFI PLUG (FORMALLY IN THE POOL - SEE DRAWING E5) AND ALL ASSOCIATED CONDUIT/WIRING TO THE GYM STORAGE, RE-FEED RECEPTACLES IN THE GYM TO MAINTAIN CONTINUITY OF POWER IN THE GYM AFTER COMPLETION OF DEMOLITION OF THE POOL.

Notes
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ELECTRICAL
MECHANICAL
LIGHTING
COMMUNICATION
SECURITY

NO.	DESCRIPTION	DATE
5.	ISSUED FOR ADDENDUM #1	MAY 13/24
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



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Project Name

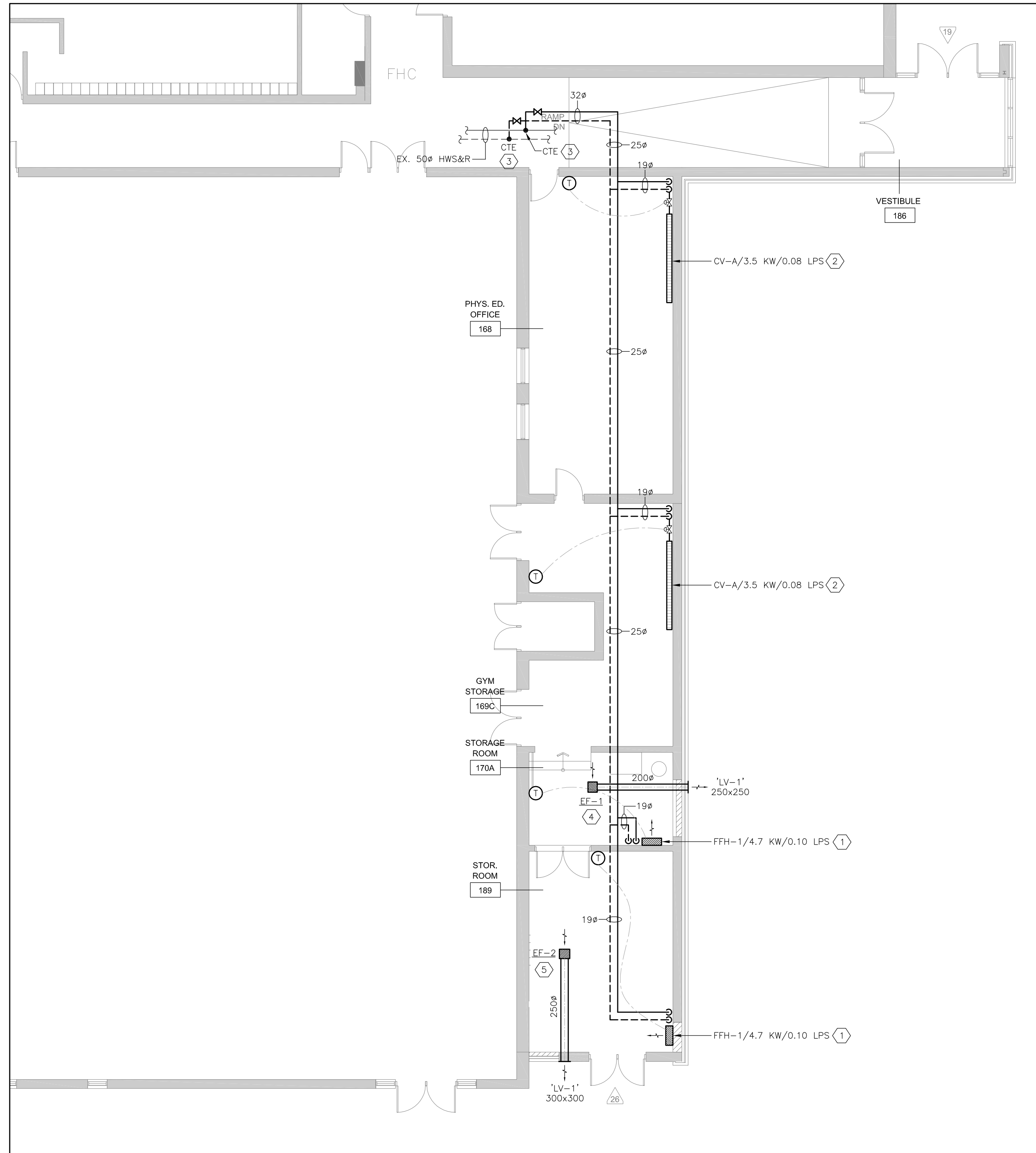
GLENFOREST POOL
GLENFOREST SECONDARY SCHOOL
2575 FIELDGATE DR., MISSISSAUGA, ON L4X 2J6

POOL DEMOLITION

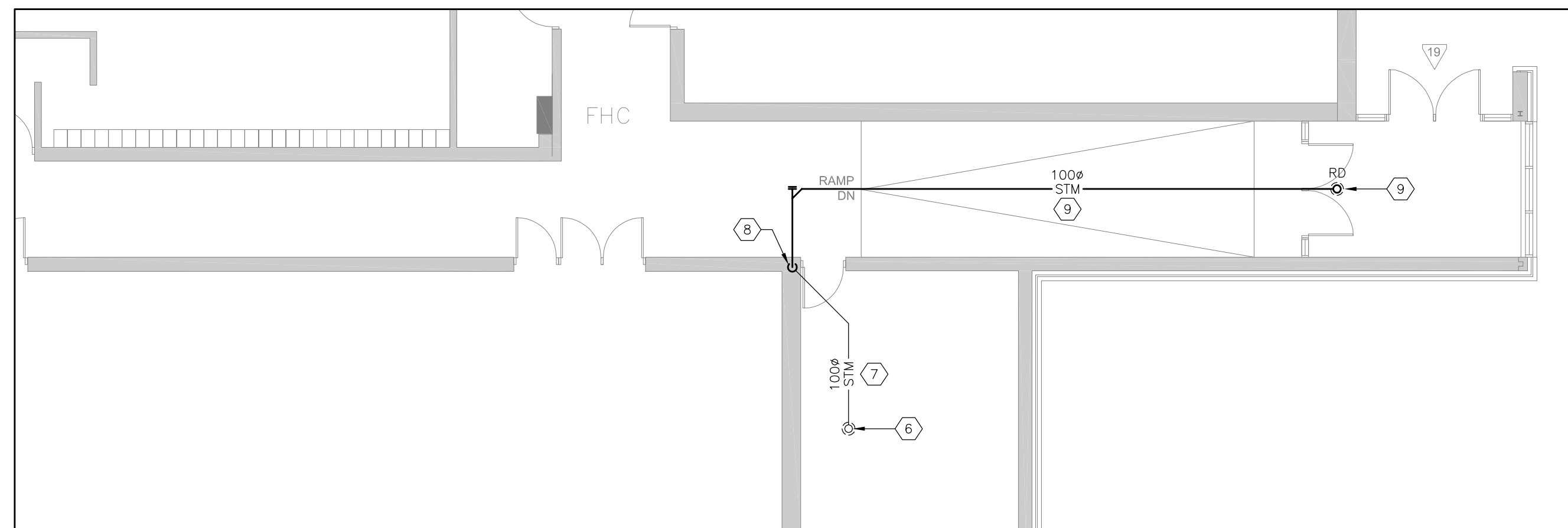
Drawing Title

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	



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

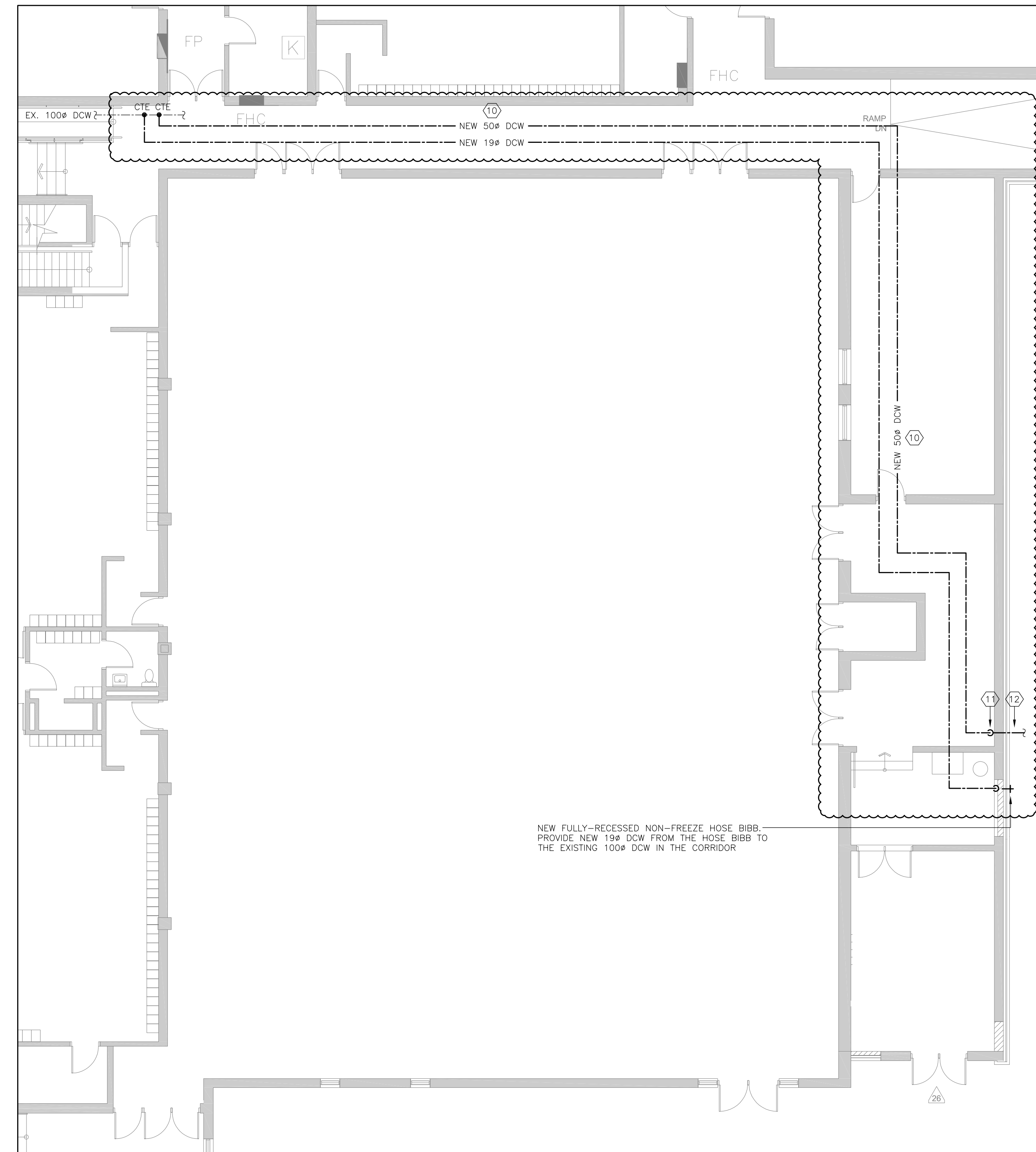


1 NEW HVAC PLAN - FIRST FLOOR PART PLAN
 MB SCALE: 1:100

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 32# HWS&R PIPING TO THE EXISTING 50# 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.
- 10 PROVIDE NEW 50# DCW PIPING FROM THE EXISTING 100# DCW MAIN IN THE CORRIDOR CEILING SPACE TO THE NEW IRRIGATION CONTROL BOX IN THE GYM STORAGE ROOM.
- 11 PROVIDE A NEW PRV AND BACKFLOW PREVENTER AT THE LOCATION OF THE RELOCATED IRRIGATION CONTROL BOX.

- 12 PROVIDE NEW UNDERGROUND 50# IRRIGATION LINE FROM THE GYM STORAGE ROOM AND CONNECT TO THE EXISTING UNDERGROUND IRRIGATION LINE AT THE PERIMETER OF THE EXISTING POOL BUILDING. SITE VERIFY LOCATION. APPROXIMATE LENGTH OF PIPING IS 45 METERS.
13. RELOCATION OF THE IRRIGATION CONTROL BOX, PROVISION OF POWER CONNECTION AND SUPPLY/INSTALL OF THE NEW BACKFLOW PREVENTER AND PRV AND SUPPLY/INSTALLATION OF THE NEW 50# DCW LINE TO THE NEW IRRIGATION CONTROL BOX LOCATION SHALL TAKE PLACE AT THE ONSET OF THE PROJECT. SEE ARCHITECTURAL DRAWING FOR ROUTING OF A TEMPORARY IRRIGATION LINE (ABOVE SURFACE) FOR THE DURATION OF CONSTRUCTION TO MAINTAIN CONTINUITY OF THE IRRIGATION SYSTEM DURING CONSTRUCTION. PROVIDE HEAVY-DUTY HOSE CAPABLE OF SERVICING THE IRRIGATION SYSTEM.



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

NEW FULLY-RECESSED NON-FREEZE HOSE BIBB. PROVIDE NEW 19# DCW FROM THE HOSE BIBB TO THE EXISTING 100# DCW IN THE CORRIDOR

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