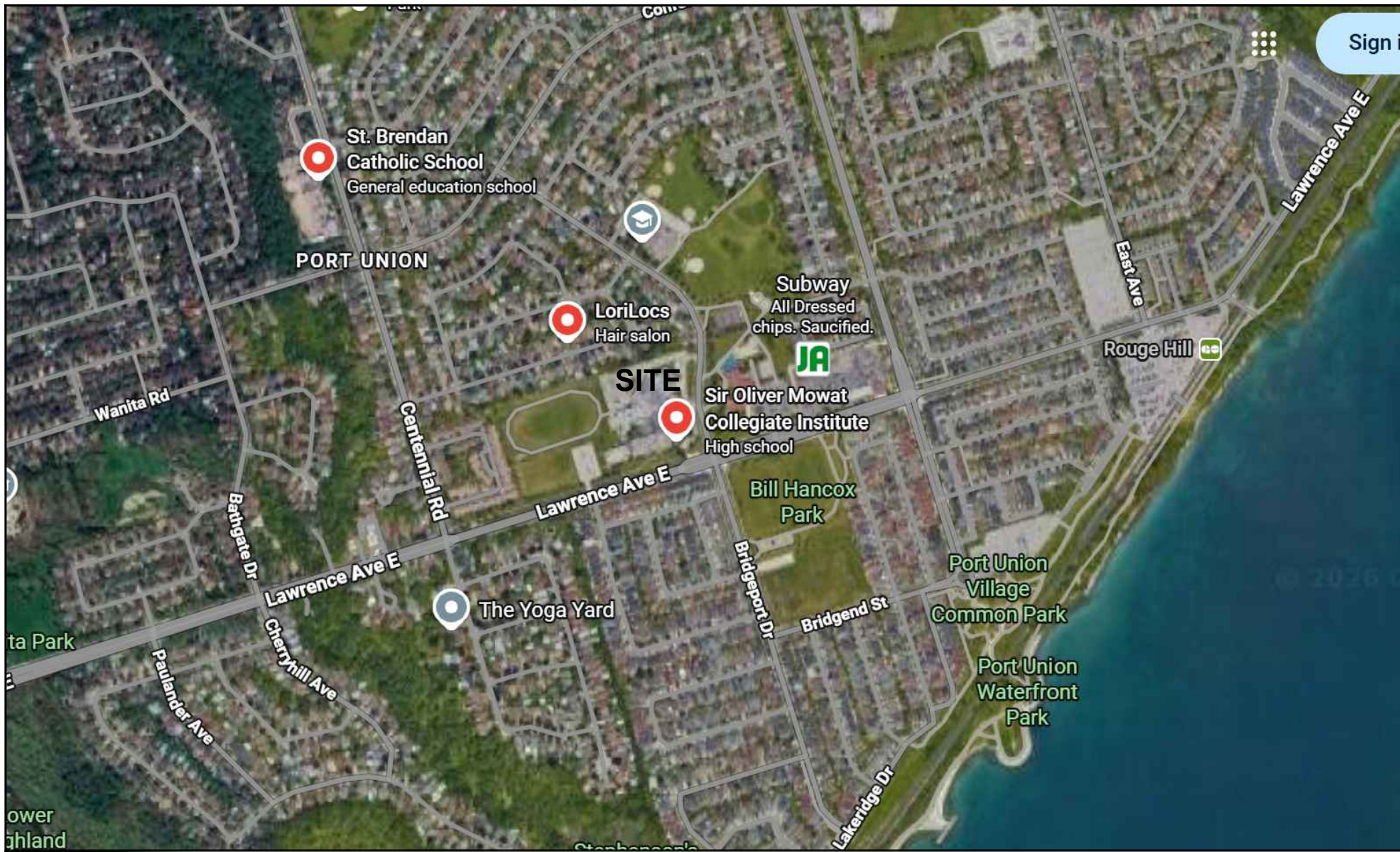




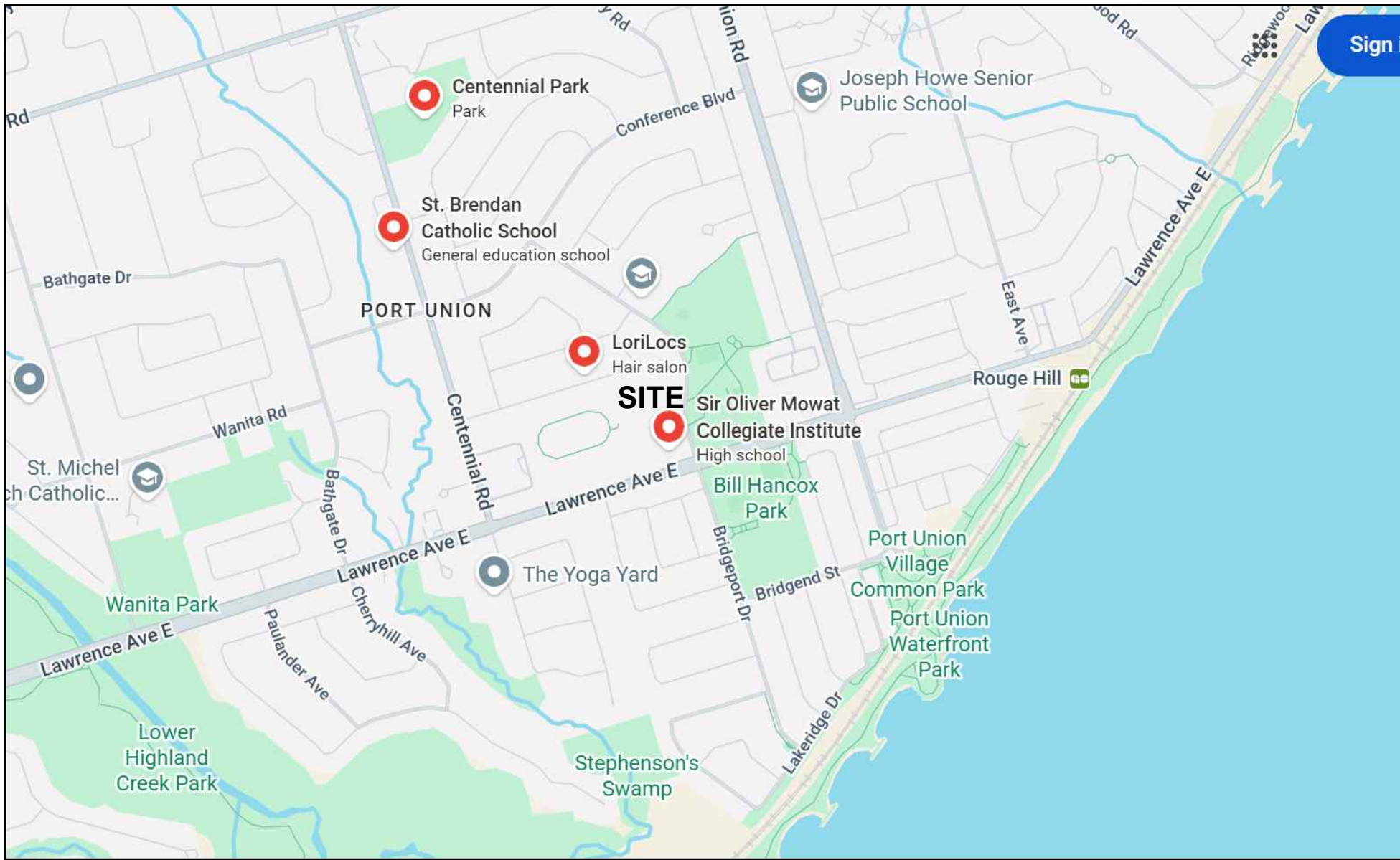
Sir Oliver Mowat Collegiate Institute

BUNDLE 5
5400 Lawrence Ave, East
Scarborough, Ontario
M1C 2C6

ACCESSIBILITY UPGRADE
TR-25-0951



SATELLITE VIEW



KEY PLAN

ONTARIO BUILDING CODE DATA MATRIX

Firm Name: Kingsland + Architects Inc.	
Certificate of Practice Number: 4549	
The Certificate of Practice Number of the holder is the holder's BCDN.	
Firm Address and Contact Information: Colin J. Kingsland Partner, B.E.S., B.Arch., O.A.A., LEED AP 110 CUMBERLAND STREET, SUITE 262 TORONTO, ONTARIO M5R 3V5 Telephone: 416-203-7799 Facsimile: 416-203-7763 Email: C.Kingsland@KingslandPlus.com	
Name and Address of Project: SIR OLIVER MOWAT COLLEGIATE INSTITUTE - BUNDLE 2 5400 LAWRENCE AVE. EAST SCARBOROUGH, ONTARIO M1C 2C6	
The architect noted above has exercised responsible control with respect to design activities. The architect's seal number is the architect's BCDN.	
Ontario Building Code Data Matrix - Parts 3 & 9	
OBC Reference	
Project Description: <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Change of Use <input type="checkbox"/> Alteration	
Major Occupancy(s): Group 'A2'	
Building Area (m²) Existing: 12540 m² New: Total: 12540 m²	
Gross Area (m²) Existing: 28180m² New: Total: 28180m²	
Number of Storeys: Above Grade: 3 Below Grade: 1	
Number of Streets/Fire Fighter Access: 2	
Building Classification: ASSEMBLY OCCUPANCY, GROUP A2	
Sprinkler System Proposed: <input type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> not required	
Standpipe required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Fire Alarm required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water Service/Supply is adequate: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
High Building: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Construction Restrictions <input type="checkbox"/> Comb. Permitted <input checked="" type="checkbox"/> Non-comb. required <input type="checkbox"/> Both <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible <input type="checkbox"/> Both	
Actual Construction: <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible <input type="checkbox"/> Both	
Mezzanine(s) Area (m²): N/A	
Occupant Load based: m²/person design of building	
Existing Building: Load 1142 persons	
Barrier-free Design: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hazardous Substances: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Required Fire Resistance Rating (FRR)	
Horizontal Assemblies (FRR (Hours))	
Listed Design No. or Description (SB-3)	
Supporting Members (FRR (Hours))	
Listed Design No. or Description (SB-3)	
Spatial Separation - Construction of Exterior Walls	
Wall L.D. (m) L/H or H/L Permitted Max. % of Openings FRR (Hours) Listed Design or Description Comb. Const. Comb. Const. Non-comb. Const.	
North - - - EXISTING - - - - - - - - -	
South - - - EXISTING - - - - - - - - -	
East - - - EXISTING - - - - - - - - -	
West - - - EXISTING - - - - - - - - -	

23ak 23b	
ONTARIO BUILDING CODE DATA MATRIX- PLUMBING FIXTURE COUNT	
Existing Occupant Load Provided by School	
Number of Students	1068
Number of Staffs	74
Total School Occupant Load	1142
3.7.4.3.(14) Wcs Count For Students:	
The number of water closets required for elementary and secondary schools shall be at least one fixture for each 30 males and one fixture for each 26 females.	
1068 / 2 = 534 at 1 Wc per 30 males = 18 1068 / 2 = 534 at 1 Wcs per 26 females = 21	
3.7.4.7. (1). Table 3.7.4.7.(1) Wcs Count For All Staff:	
Staff - School = 74	
37 female staff (for 10 to 24 persons of each sex) = 3 Wc's 37 male staff (for 10 to 24 persons of each sex) = 3 Wc's	
3.7.4.2.(8) The Universal washroom water closet and lavatory may be counted as part of the plumbing fixtures required for males and females. In this case used for both students and staff BF. count	
3.8.2.3. (2) The Universal washroom one universal washroom is required in 1 to 3 storey building	
Table 3.8.2.3.B BF Stalls Count For Students Exc. KG but For Staff (Inc. KG)	
Male: 18 Wc's at 10 to 16 Wc's/ Wtr = 2 BF Stall is Req'd. Female: 21 Wc's at 10 to 16 Wc's/ Wtr = 2 BF Stall is Req'd.	

Firm Name: Kingsland + Architects Inc.	
Certificate of Practice Number: 4549	
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Firm Address and Contact Information: Colin J. Kingsland Partner, B.E.S., B.Arch., O.A.A., LEED AP 219 Dufferin Street, Suite 308b Toronto, Ontario M6K 3J1 Telephone: 416-203-7799 x 105 Facsimile: 416-203-7763 Email: C.Kingsland@KingslandPlus.com	
Name and Address of Project: SIR OLIVER MOWAT COLLEGIATE INSTITUTE - BUNDLE 2 5400 LAWRENCE AVE. EAST SCARBOROUGH, ONTARIO M1C 2C6	
The architect noted above has exercised responsible control with respect to design activities. The architect's seal number is the architect's BCDN.	
Ontario Building Code Data Matrix - Parts 11 - Renovation of Existing Building	
OBC Reference	
11.1	Project Description: Describe Existing Use: Construction Index: Hazard Index: <input type="checkbox"/> Not Applicable (no change of major occupancy)
11.2	Alteration to Existing Building Is: Basic Renovation Extensive Renovation
11.3	Reduction in Performance Level: Structural: By increase in occupant load: By change of major occupancy: Plumbing: Sewage-system:
11.4	Compensating Construction: Structural: Increase in occupant load: Change of major occupancy: Plumbing: Additional plumbing facilities added. Sewage System:
11.5	Compliance Alternatives Proposed:
11.6	Alternative Measures Proposed:

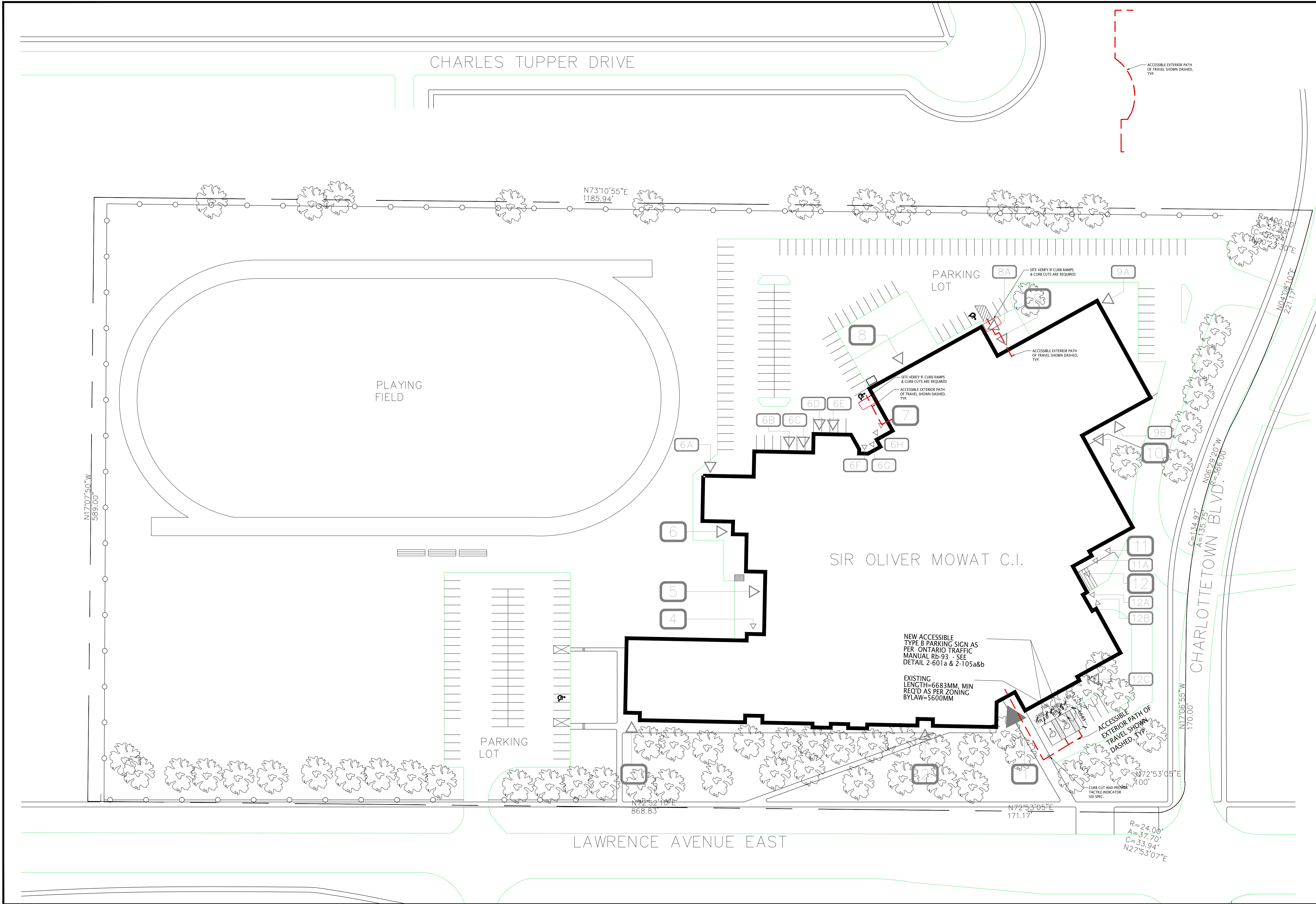
SYMBOL LEGEND

EXISTING WALL	EX. WALL TO BE REMOVED	NEW WALL	FIRE SEPARATION	WALL TYPE - SEE SPECIFICATION	DOOR NUMBER EXISTING DOOR	DOOR NUMBER NEW DOOR	BUILDING SECTION NUMBER SHEET NUMBER	WALL SECTION NUMBER SHEET NUMBER	DETAIL NUMBER SHEET NUMBER	DETAIL DRAWING NUMBER SEE SPECIFICATION	WINDOW TYPE	SCREEN TYPE	ROOM NAME ROOM NUMBER	CEILING MATERIAL CEILING HEIGHT
FOR DOOR SCHEDULE AND ROOM FINISH SCHEDULE SEE SPECIFICATION.														

LIST OF DRAWINGS

ARCHITECTURAL	
A0-0	COVER PAGE INC. BUILDING CODE ANALYSIS (OBC MATRIX)
A1-1	SITE PLAN- OVERALL
A2-0	OVERALL 1 ST, 2ND AND 3RD FLOOR PLANS
A2-1	OVERALL FIRST FLOOR PLAN
A2-2	PARTIAL FIRST FLOOR PLANS - UNIVERSAL WASHROOM DEMO, NEW , CEILING AND INT. ELEVATIONS.
A2-3	PARTIAL FIRST FLOOR PLANS - STAIR LIFT EXISTING & NEW
STRUCTURAL	
S1-1	GENERAL NOTES AND TYPICAL DETAILS
S2-1	FRAMING PLANS AND ELEVATION
MECHANICAL	
M1	MECHANICAL LEGEND AND NOTES
M2	FIRST FLOOR KEY PLAN
M3	MECHANICAL PART PLANS
ELECTRICAL	
E1	ELECTRICAL LEGEND AND NOTES
E2	FIRST FLOOR KEY PLAN
E3	SECOND FLOOR KEY PLAN
E4	THIRD FLOOR KEY PLAN
E5	ELECTRICAL PART PLANS
E6	ELECTRICAL PART PLANS
E7	SCHEDULES & SCHEMATIC

1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, LATEST EDITION, AND ALL OTHER ACTS ADMINISTERED BY ALL AUTHORITIES HAVING JURISDICTION.	
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3. THE DESIGN LOADS SHALL NOT BE EXCEEDED DURING CONSTRUCTION.	
4. ALL DIMENSIONS, SHOWN ON THE DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.	
5. THE STABILITY OF THE STRUCTURAL FRAME IS DEPENDENT ON THE FULL INTERACTION OF ALL STRUCTURAL COMPONENTS. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING DURING CONSTRUCTION.	
6. ALL DIMENSIONS GIVEN ARE IN METRIC.	
GENERAL NOTES	
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ONTARIO ASSOCIATION OF ARCHITECTS COLIN J. KINGSLAND 4549	
Toronto District School Board	
Sir Oliver Mowat Collegiate Institute	
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5400 Lawrence Ave, East Scarborough, Ontario M1C 2C6	
DRAWING TITLE:	
COVER PAGE	
PROJECT NO:	SCALE:
A25007	
DRAWN:	DRAWING NO:
K+	REV.
CHECKED:	
K+	A0-0
DATE:	
DEC. 2025	3
FILES: A25007 - A0-0 COVER.DWG	

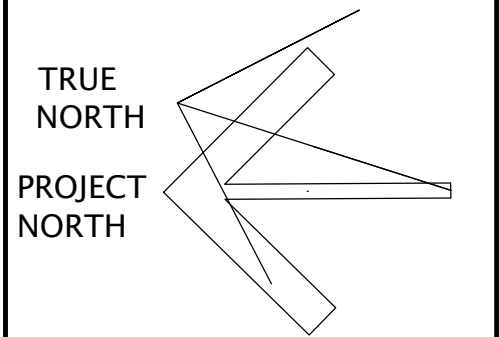


1 OVERALL SITE PLAN
SCALE: 1:450

NO	DATE	REVISION
3	26/09/25	ISSUED FOR PERMIT AND TENDER
2	26/09/19	ISSUED FOR CLIENT REVIEW
1	26/09/17	ISSUED FOR CLIENT REVIEW
0	26/07/27	ISSUED FOR CLIENT REVIEW

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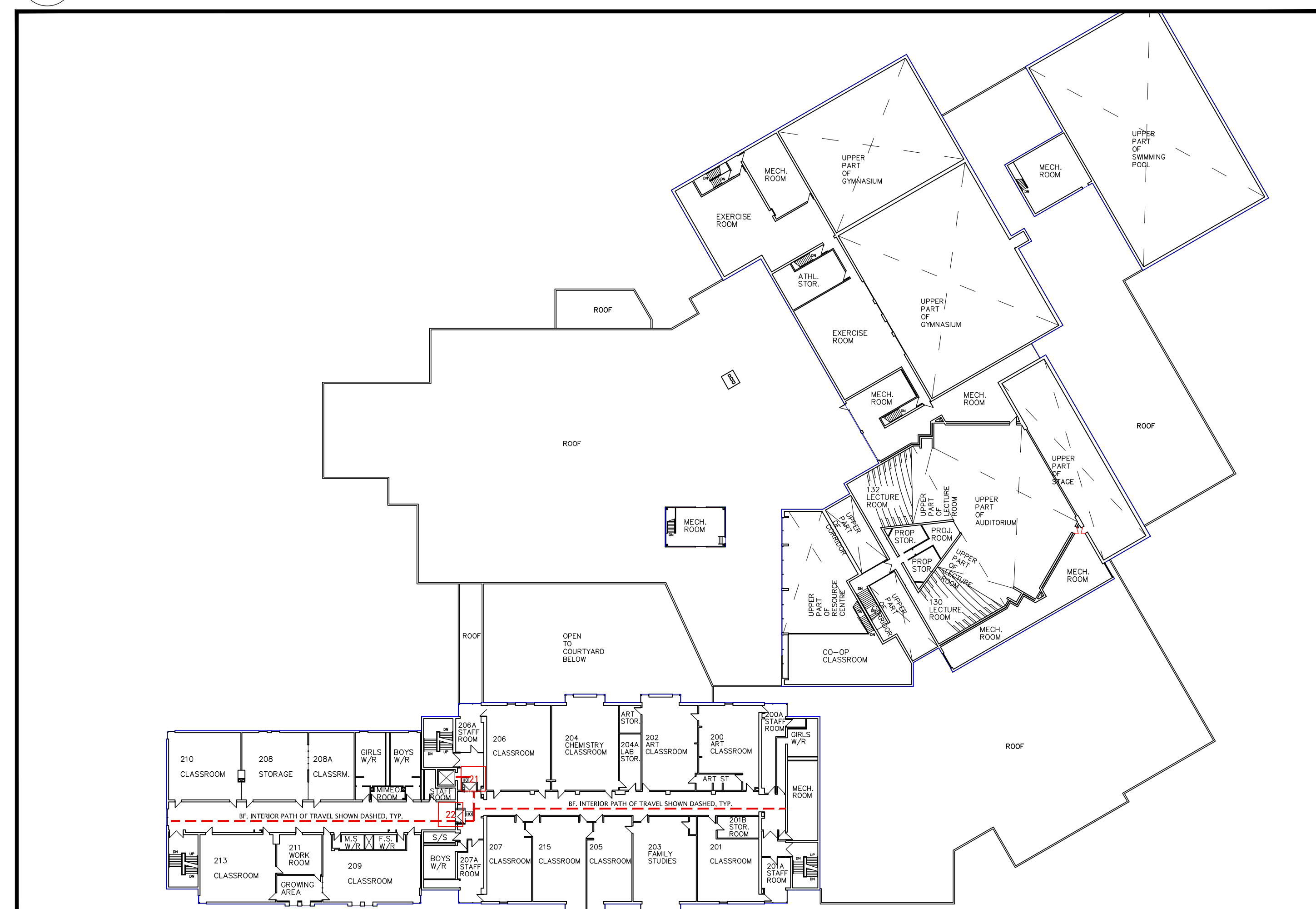
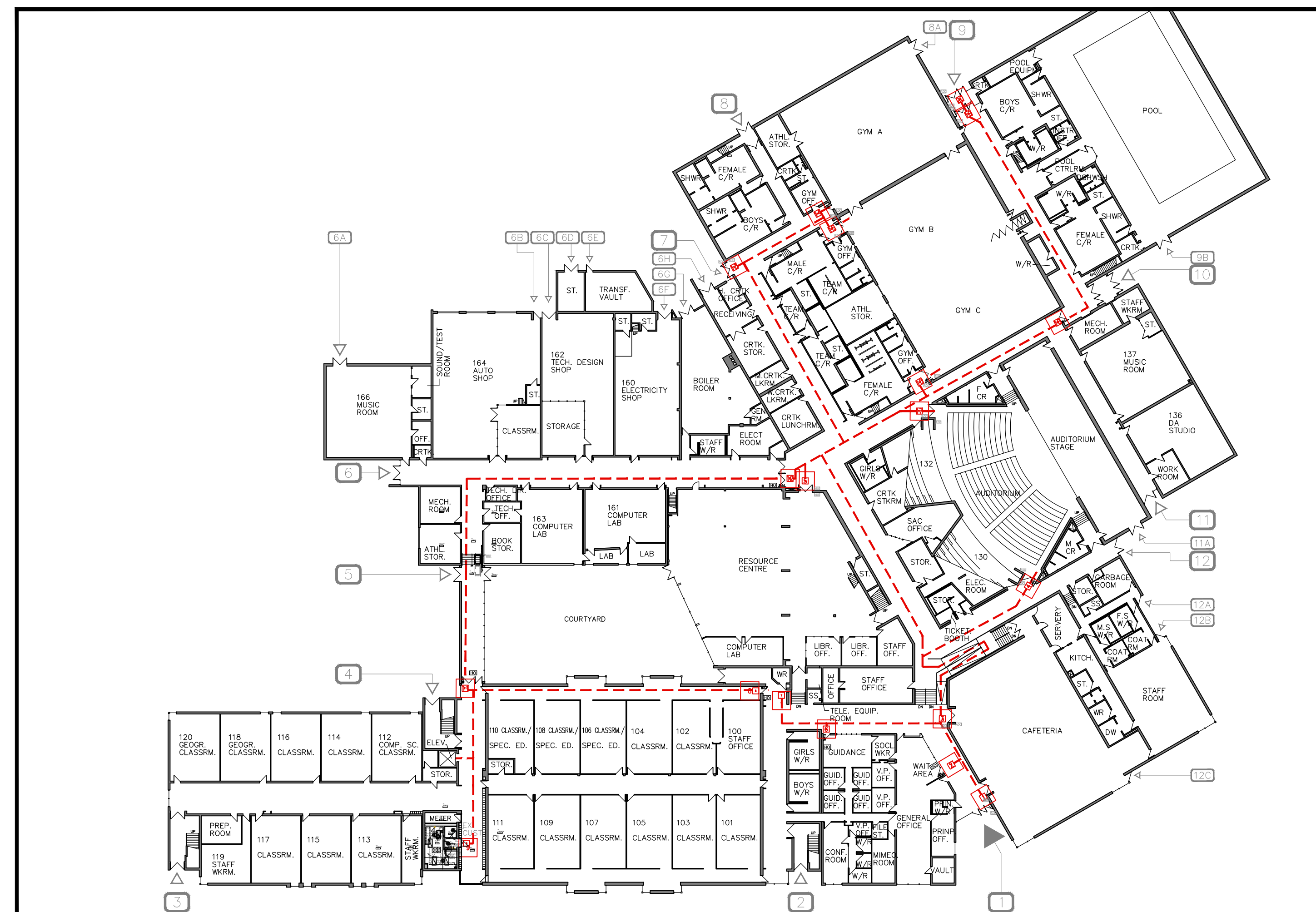
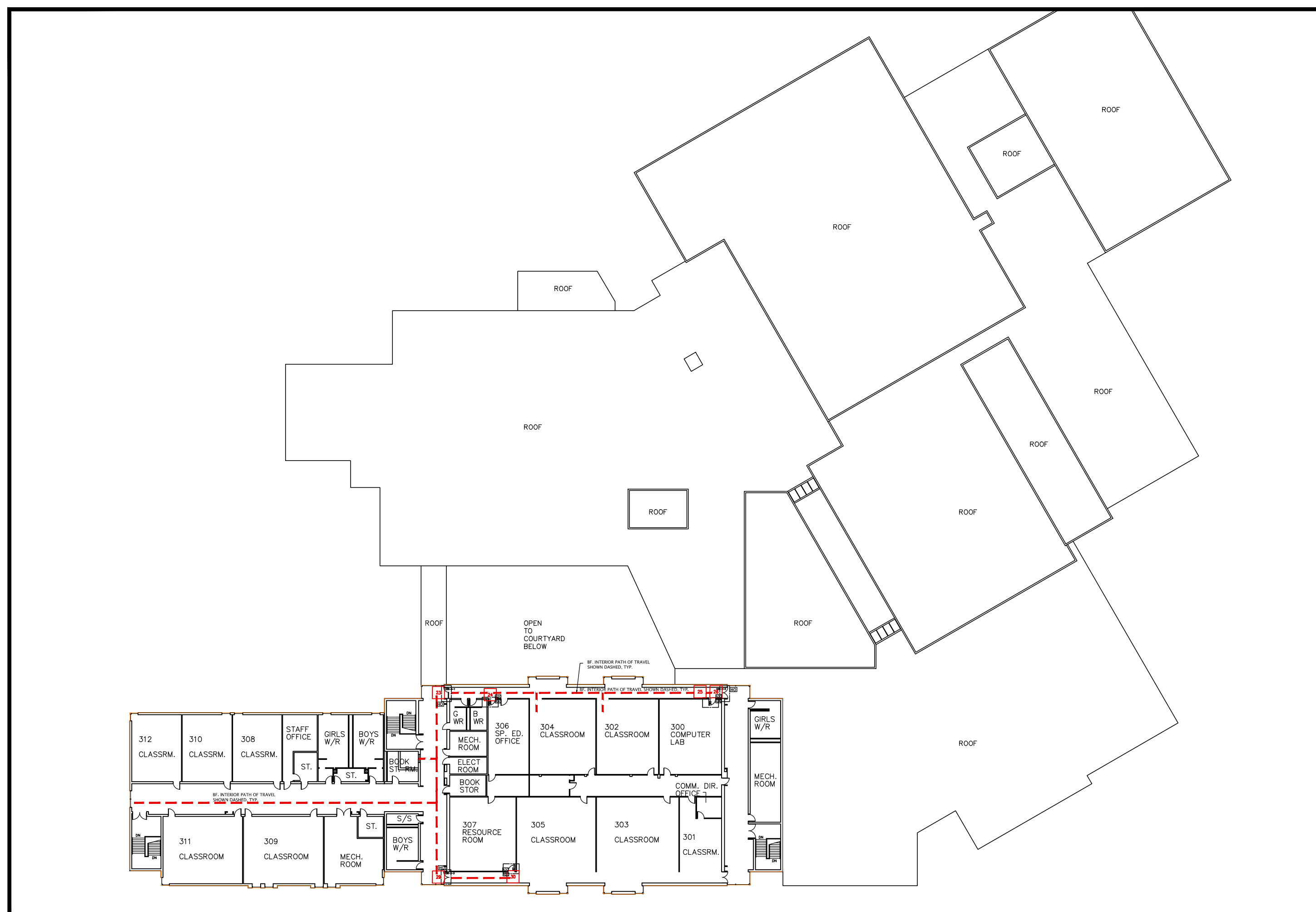
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Toronto, Ontario M5R 3V5
ph 416.203.7799
fax 416.203.7763



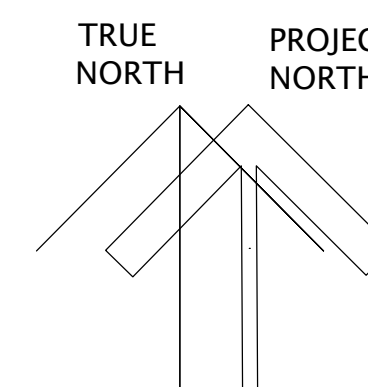
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Collegiate Institute**
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5400 Lawrence Ave, East
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M1C 2C6

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PROJECT NO: A25007	SCALE: 1:500		
DRAWN: K+	DRAWING NO:	REV.	
CHECKED: K+	A1-0	3	
DATE: DEC. 2025			

FILES: A25007 - A1-0 OVERALL SITE PLAN

[illegible]

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DRAWING TITLE:

OVERALL 1ST, 2ND AND 3RD
FLOOR PLANS-EXISTING & NEW

PROJECT NO: A25007	SCALE:	
DRAWN: K+	DRAWING NO:	REV:
CHECKED: K+	A2-0	3
DATE: DEC. 2025		

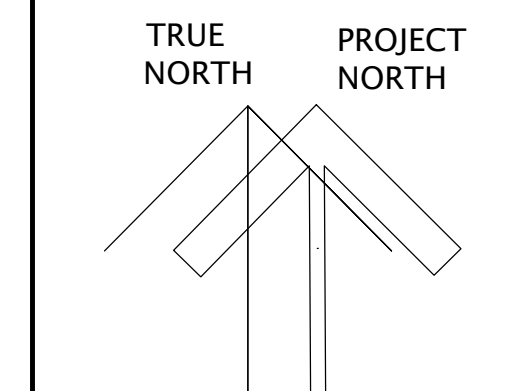


1 OVERALL FRIST FLOOR PLAN
A2-1 SCALE: 1:100

NO	DATE	REVISION
3	26/02/21	ISSUED FOR PERMIT AND TENDER
2	26/02/19	ISSUED FOR CLIENT REVIEW
1	26/02/17	ISSUED FOR CLIENT REVIEW
0	26/02/17	ISSUED FOR CLIENT REVIEW

DO NOT SCALE DRAWINGS. ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE JOB. ALL DRAWINGS REMAIN THE PROPERTY OF THE ARCHITECTS.

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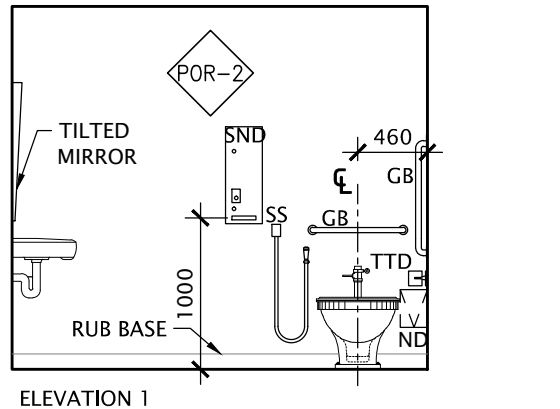
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Toronto, Ontario M5R 3V5
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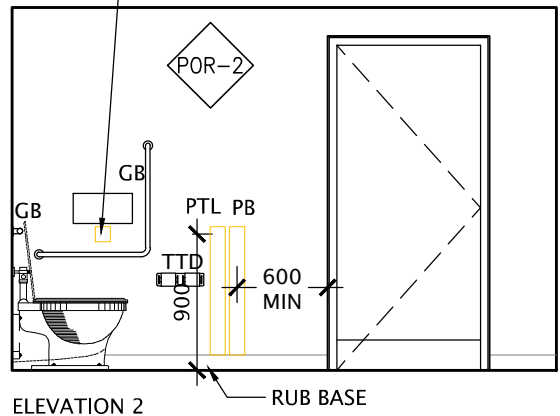
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Scarborough, Ontario
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DRAWING TITLE:		
OVERALL FIRST FLOOR PLAN		
PROJECT NO: A25007	SCALE: 1:300	
DRAWN: K+	DRAWING NO:	REV.
CHECKED: K+	A2-1	3
DATE: DEC. 2025		

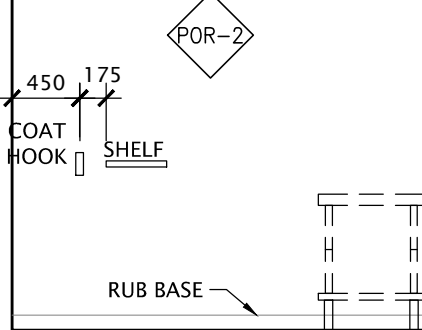
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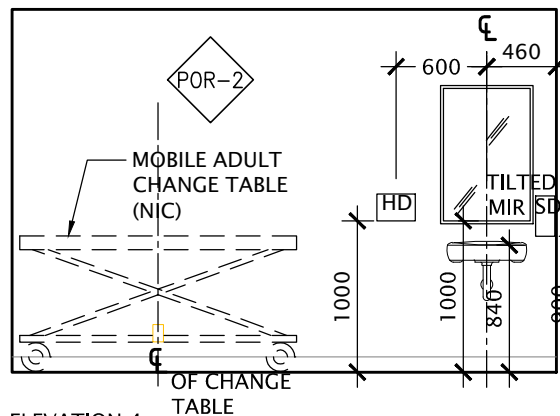
ELEVATION 1
EMERGENCY CALL SYSTEM
BUTTON AND SIGNAGE.
SEE DETAIL 10-101.



ELEVATION 2
RUB BASE

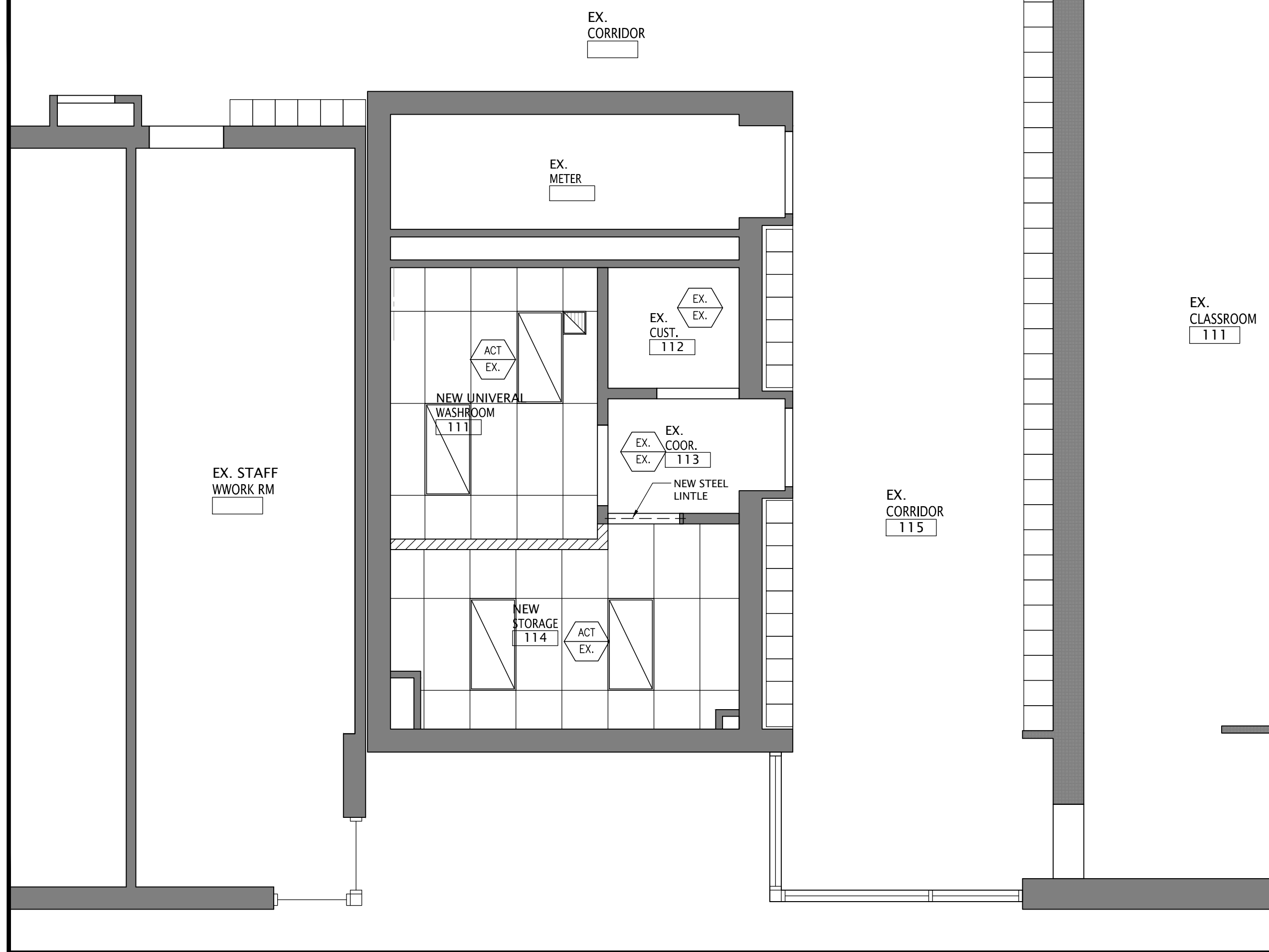


ELEVATION 3
RUB BASE

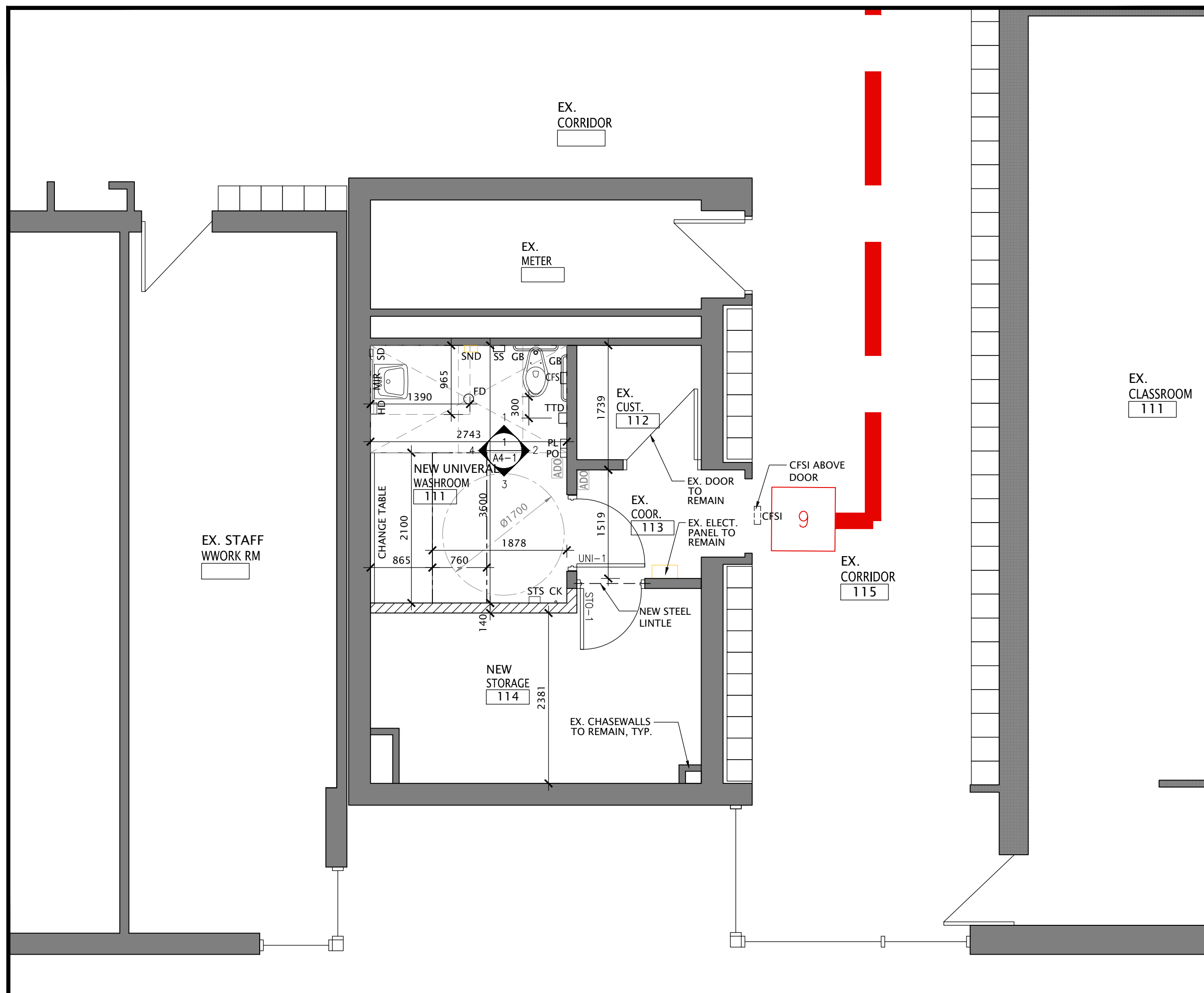


ELEVATION 4
MOBILE ADULT
CHANGE TABLE
(NIC)

5
A2-2
UNIVERSAL WASHROOM - INT. ELEV.
SCALE: 1:50



4
A2-2
PARTIAL FIRST FLOOR PLAN - REFLECTED CEILING LAYOUT
SCALE: 1:50



3
A2-2
PARTIAL FIRST FLOOR PLAN - NEW LAYOUT
SCALE: 1:50

DEMOLITION NOTES

ALL LOOSE FURNITURE, EQUIPMENT WITHIN THE SCOPE OF WORK WILL BE REMOVED BY TDSB FORCES. ANYTHING LEFT BEHIND IS TO BE TURNED OVER TO SCHOOL BOARD AUTHORITY.

- NOT IN SCOPE
- EXISTING TO BE REMOVED, SHOWN DASHED
- EXISTING

DURING CONSTRUCTION PROTECT ALL EXISTING SURFACES AS REQUIRED.

ANY DAMAGE AS A RESULT OF DEMOLITION TO BE REPAIRED BY GENERAL CONTRACTOR.

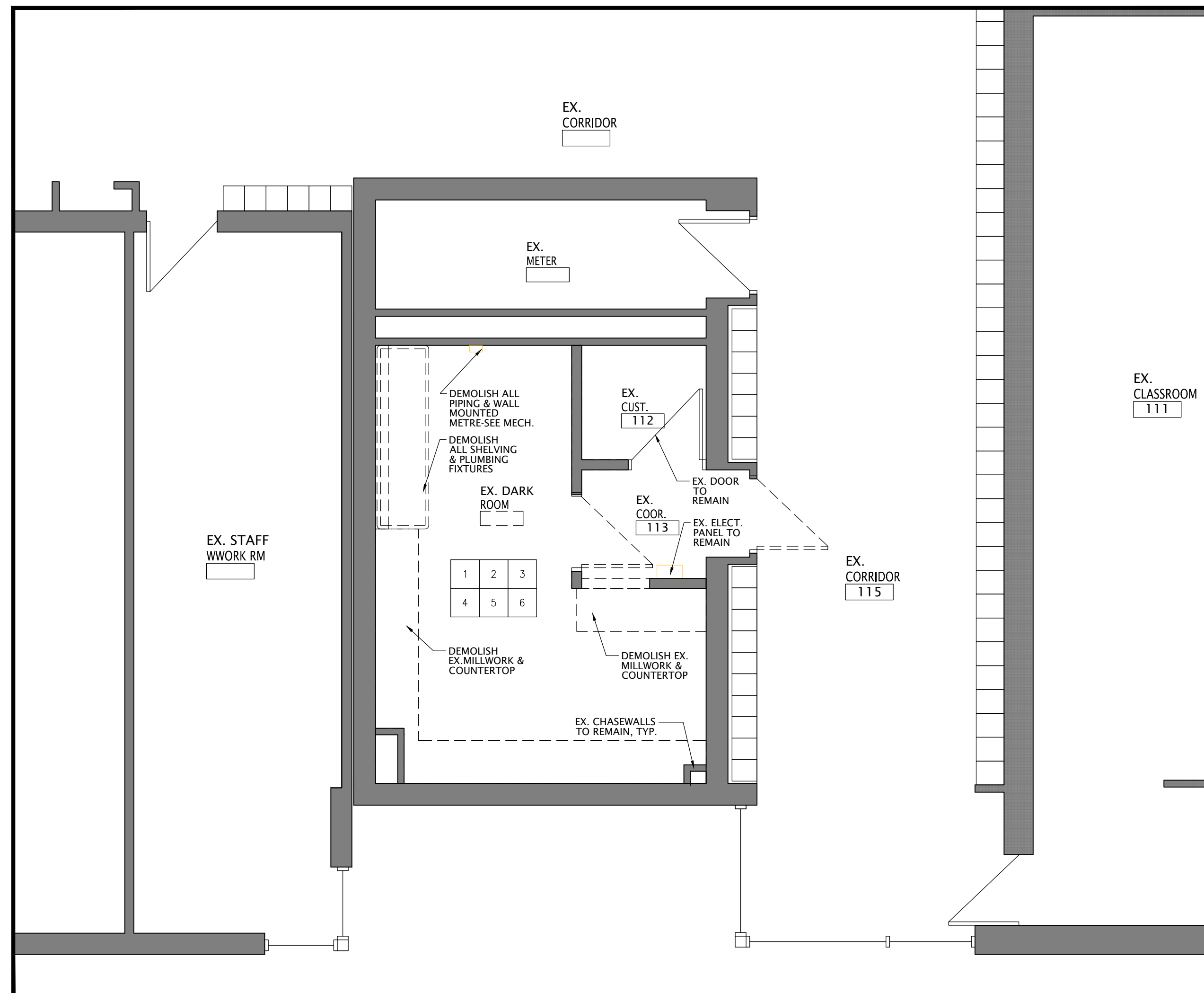
PATCH AND MAKE GOOD ALL SURFACES AFFECTED BY DEMOLITION. MAKE READY TO RECEIVE NEW FINISHES.

- LOOSE FURNITURE TO BE REMOVED BY THE BOARD FORCES. REMOVE FIXED FURNITURE & MILLWORK AS NOTED, AND HAND OVER TO THE BOARD. PATCH AND MAKE GOOD ALL SURFACES.
- DEMOLISH EXISTING HOLLOW METAL FRAMES AND DOORS. PATCH AND MAKE GOOD ALL SURFACES.
- REMOVE EXISTING FLOOR FINISH AND PREPARE FOR NEW FLOOR FINISH
- REMOVE EXISTING LIGHT FIXTURES AND CEILING COMPLETELY
- SAWCUT FLOOR SLAB FOR PLUMBING INSTALLATION, REFER MECH. FOR EXTENDING
- DEMOLISH ALL PIPING & WALL MOUNTED METRE-SEE MECH.
- SAWCUT & REMOVE PORTION OF WALL FOR NEW FRAME & DOOR

1
A2-1
PARTIAL FIRST FLOOR PLAN - DEMOLITION
SCALE: NTS

LEGEND-(REFER TO SPECS):

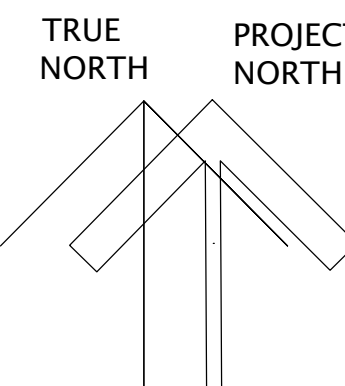
MIR	TILTED MIRROR	TTD	TOILET TISSUE DISPENSER	CFS	CALL FOR ASSISTANCE SYSTEM
SD	SOAP DISPENSER	OI	OCCUPANCY INDICATOR	PL	PUSH TO LOCK VERTICAL BAR BUTTON
HD	HAND DRYER	SND	SANITARY NAPKIN DISPOSAL	PO	PUSH TO OPEN VERTICAL BAR BUTTON
CK	COAT HOOK	SS	SHOWER SPRAY / BED PAN CLEANSER		
STS	SHELF				



2
A2-2
PARTIAL FIRST FLOOR PLAN - DEMOLITION
SCALE: 1:50

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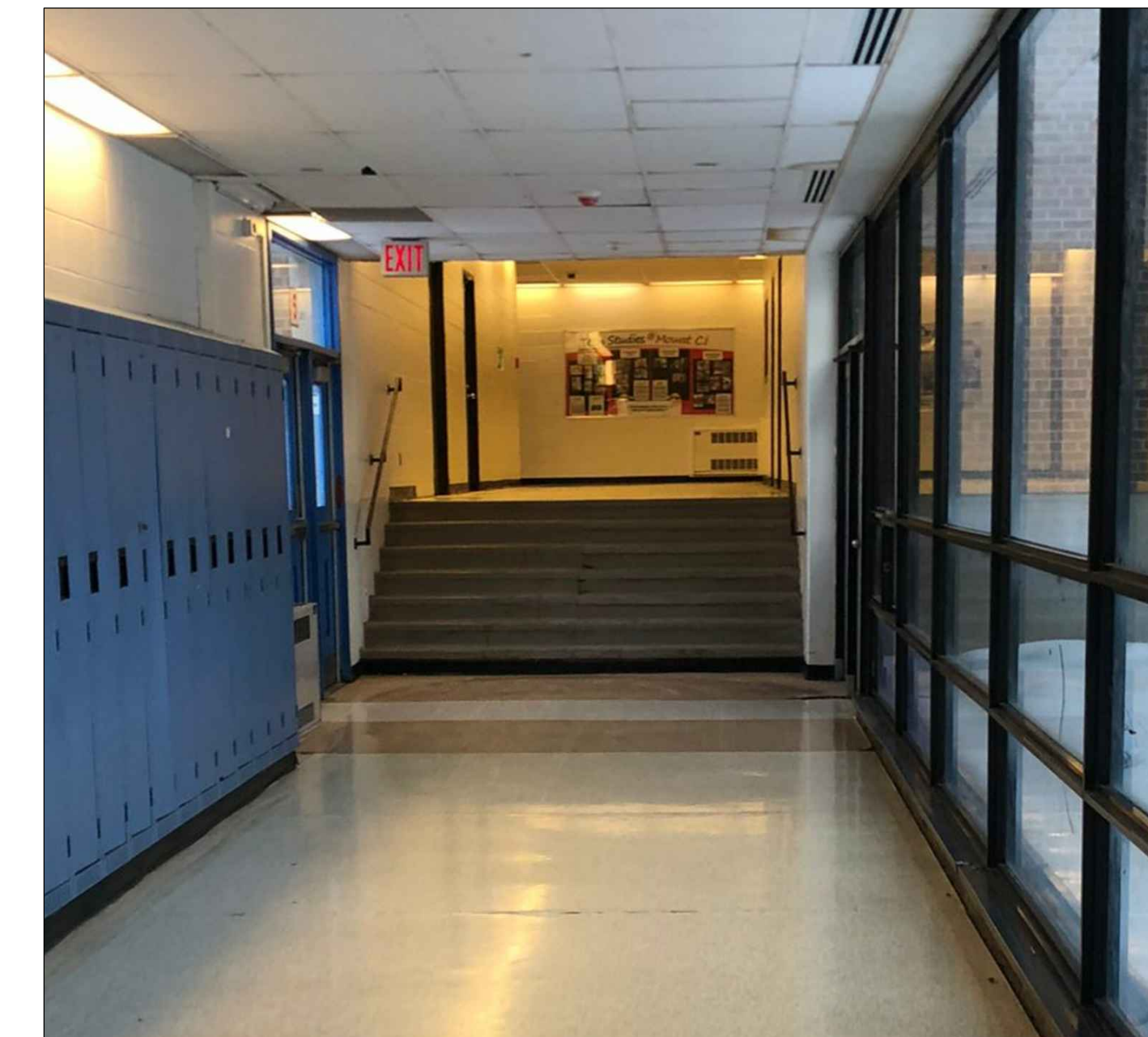
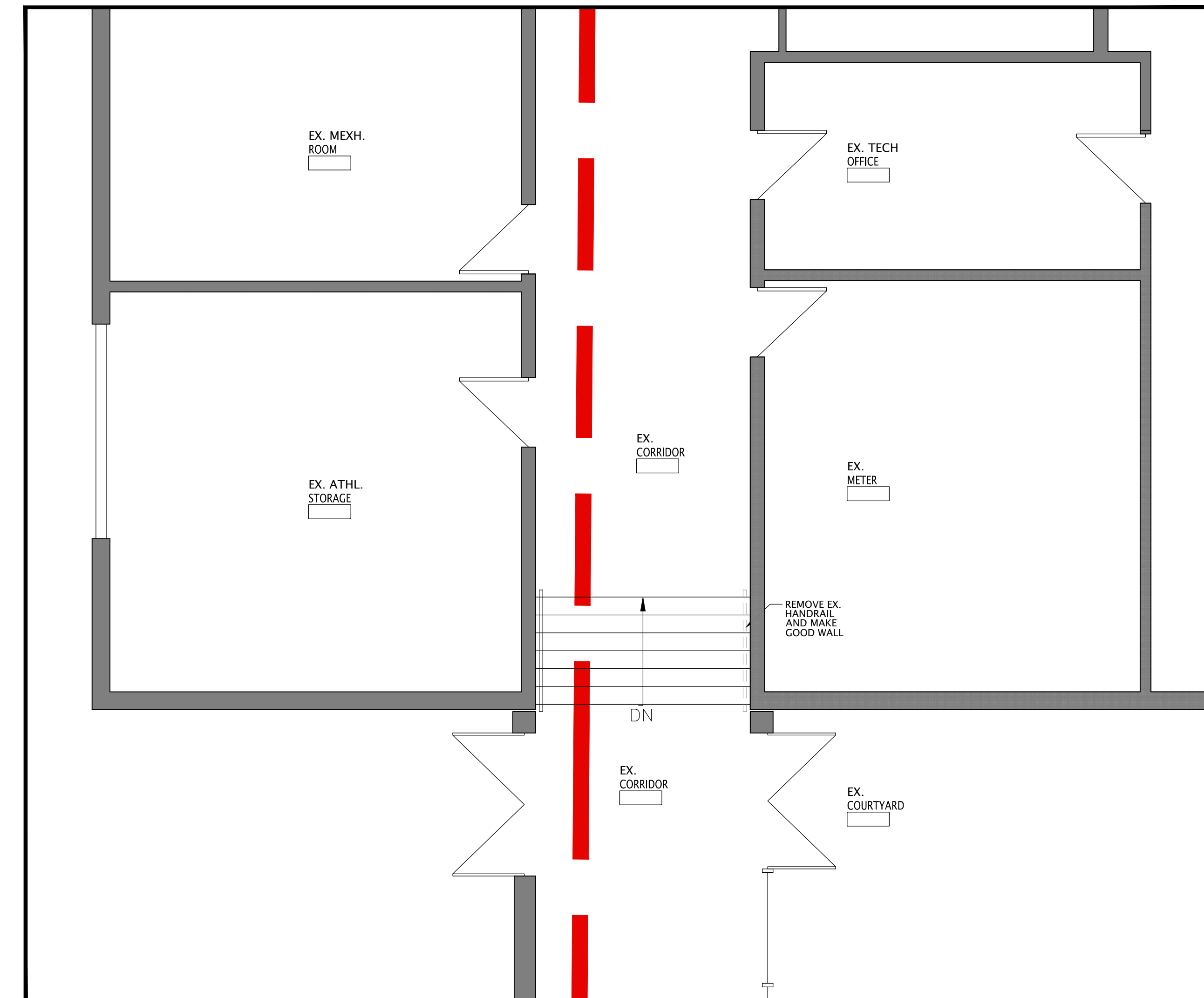
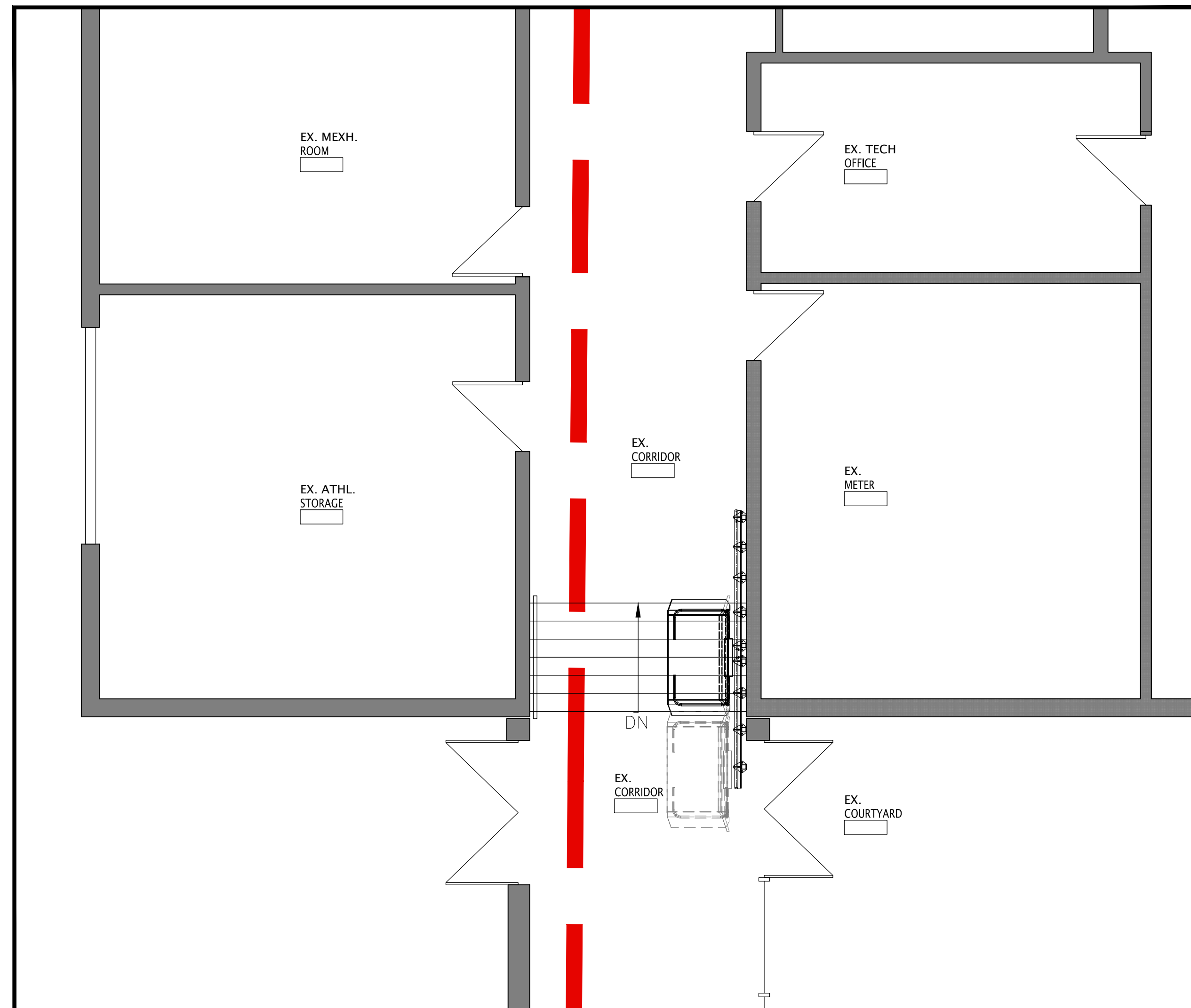
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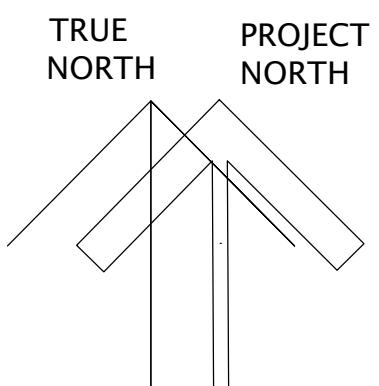
DRAWING TITLE:
PARTIAL FIRST
UNIVERSAL WASHROOM
DEMO, NEW, CEILING AND INT.
ELEVATIONS

PROJECT NO: A25007	SCALE: NOTED
DRAWN: K+	DRAWING NO.: REV.
CHECKED: K+	A2-2
DATE: DEC. 2025	3

FILES: A25007 - A2-2 DEMO & NEW MFL

[illegible]

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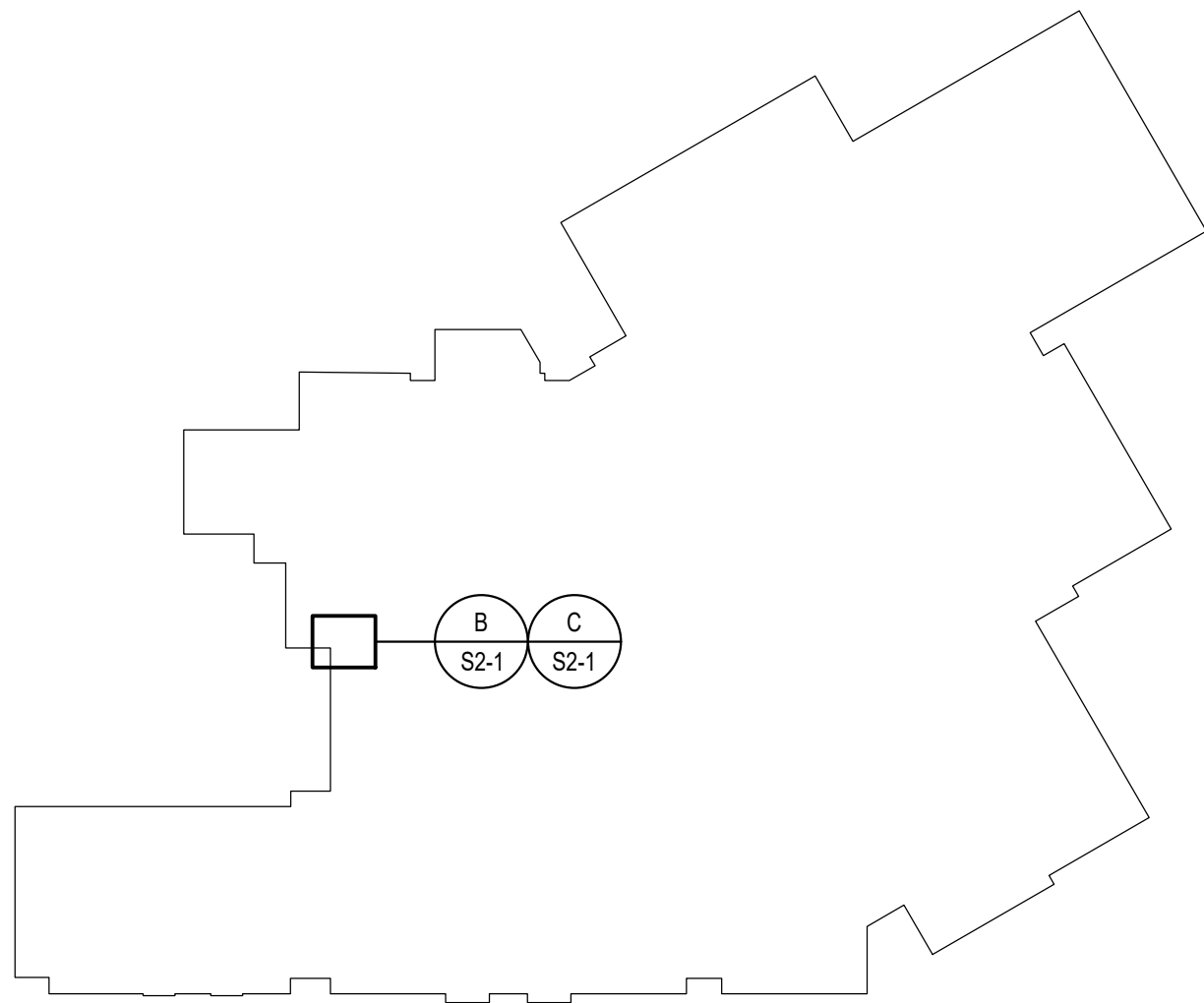


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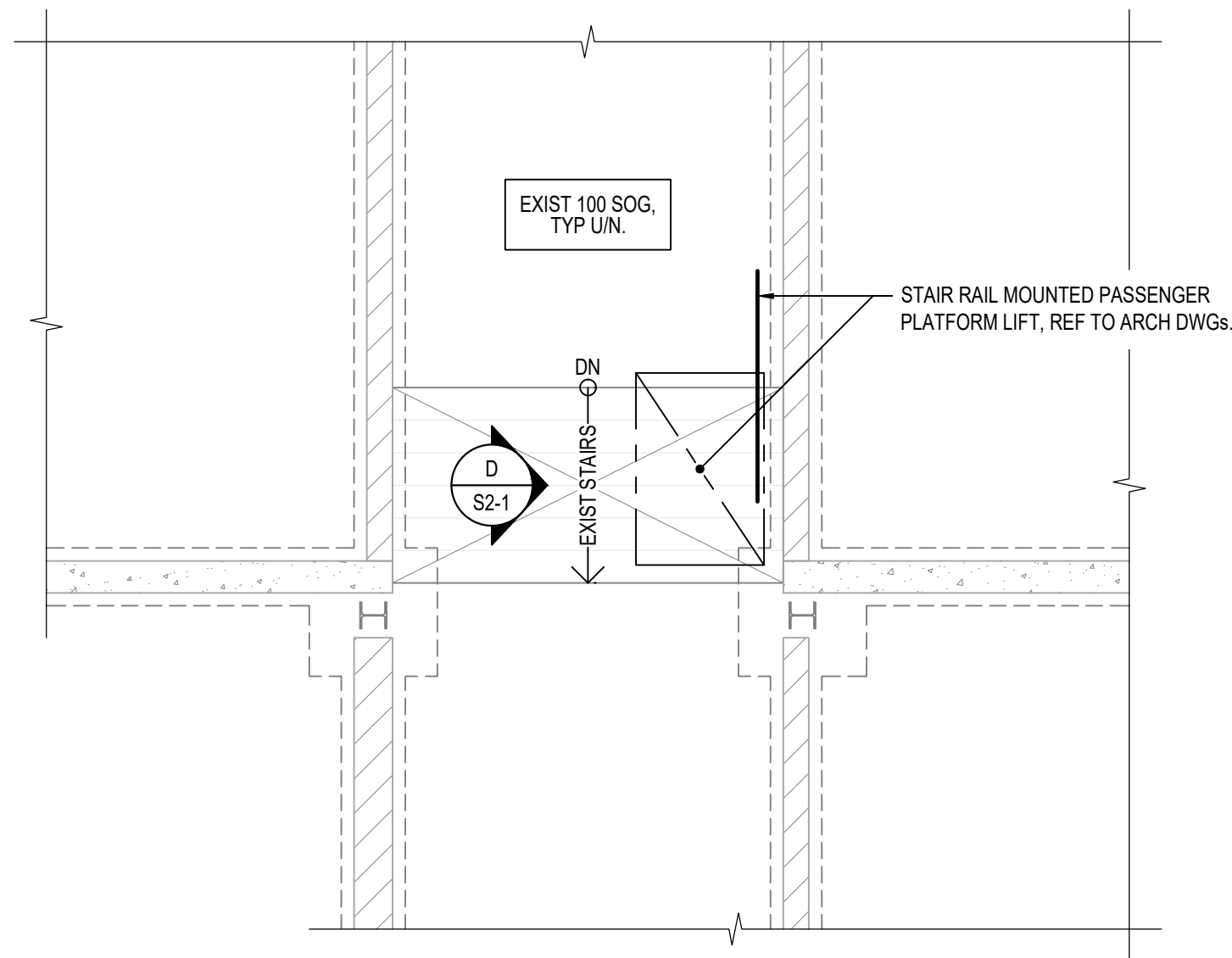
TR-25-0951
5400 Lawrence Ave, East
Scarborough, Ontario
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DRAWING TITLE:
PARTIAL FIRST FLOOR PLAN
STAIR LIFT - EXISTING & NEW

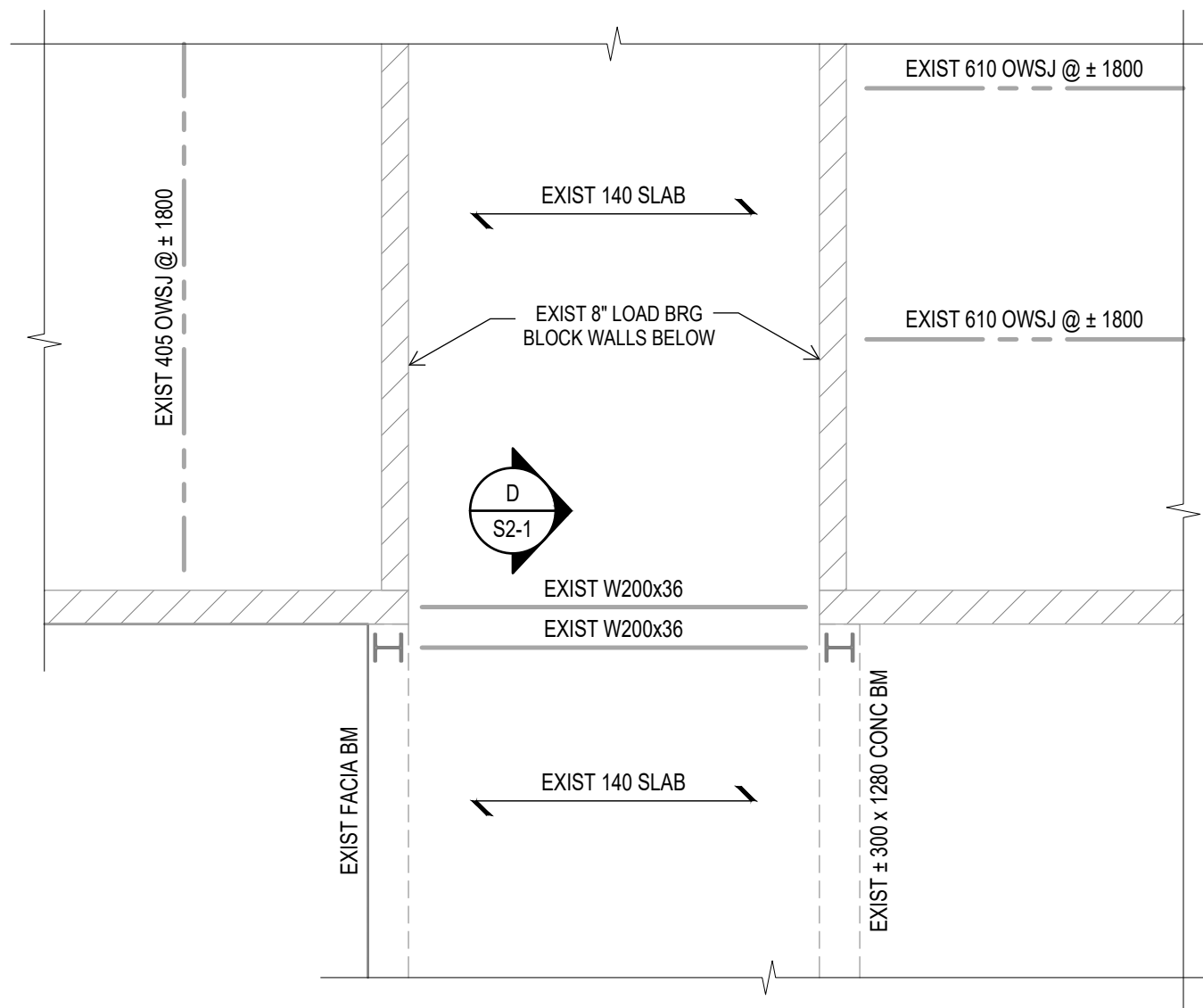
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CHECKED: K+	A2-3	3
DATE: DEC. 2025		



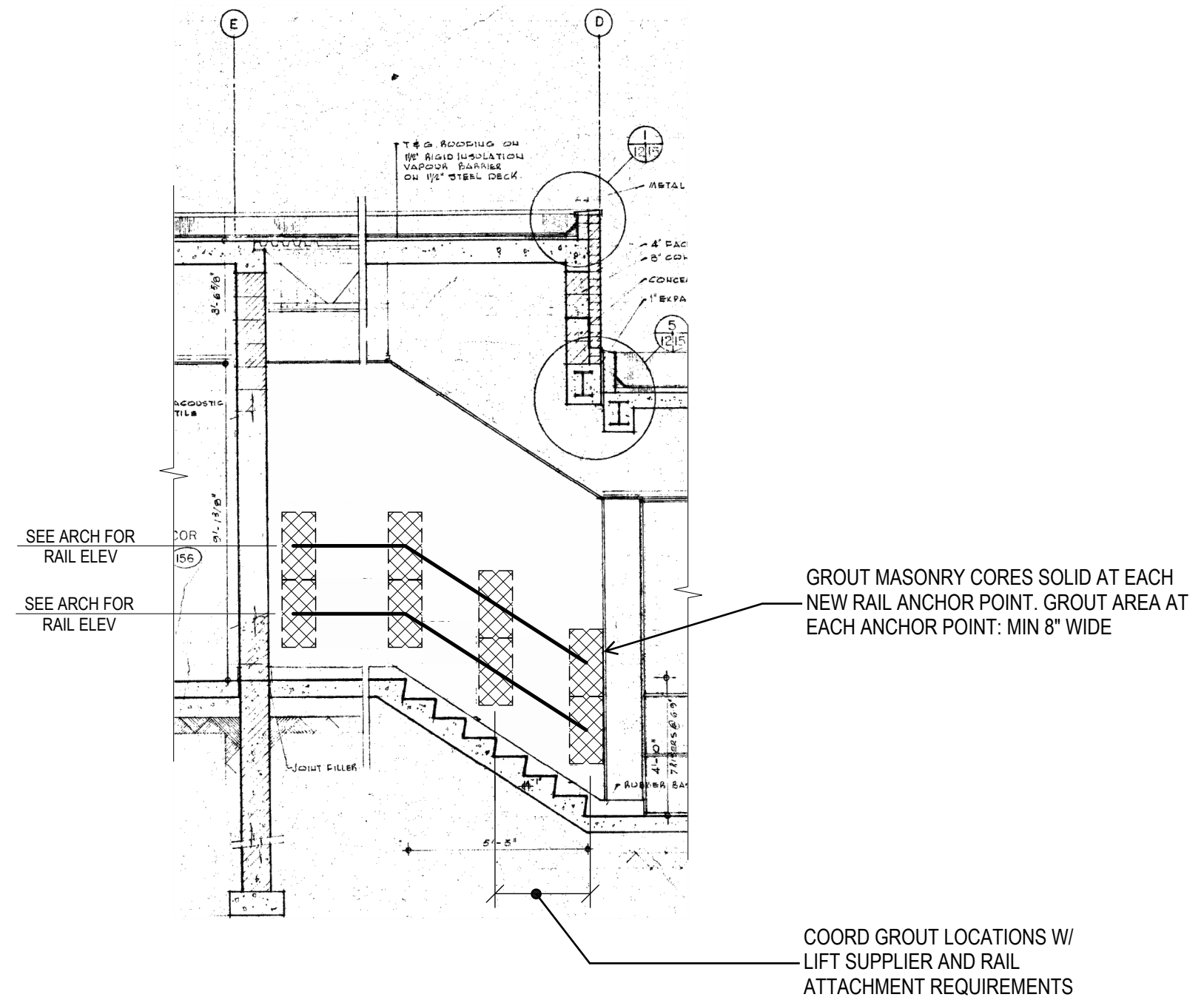
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S2-1
KEY PLAN
1: 1000



B
S2-1
FOUNDATION / FIRST FLOOR FRAMING PLAN
1: 50



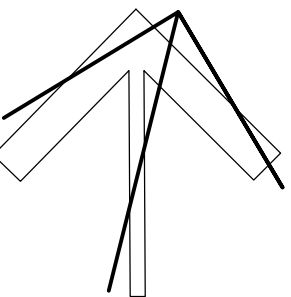
C
S2-1
PART ROOF FRAMING PLAN
1: 50



D
S2-1
ELEVATION
1: 50



PROJECT NORTH



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ARCHITECTS INC.

KINGSLAND + ARCHITECTS INC.
110 Cumberland Street, Suite 202
Toronto, Ontario M5R 3Y5
ph 416.203.7799
fax 416.203.7763

Sir Oliver Mowat
Collegiate Institute
ACCESSIBILITY UPGRADES
TDSB
5400 Lawrence Ave E,
Scarborough, Ontario
M1C 2C5

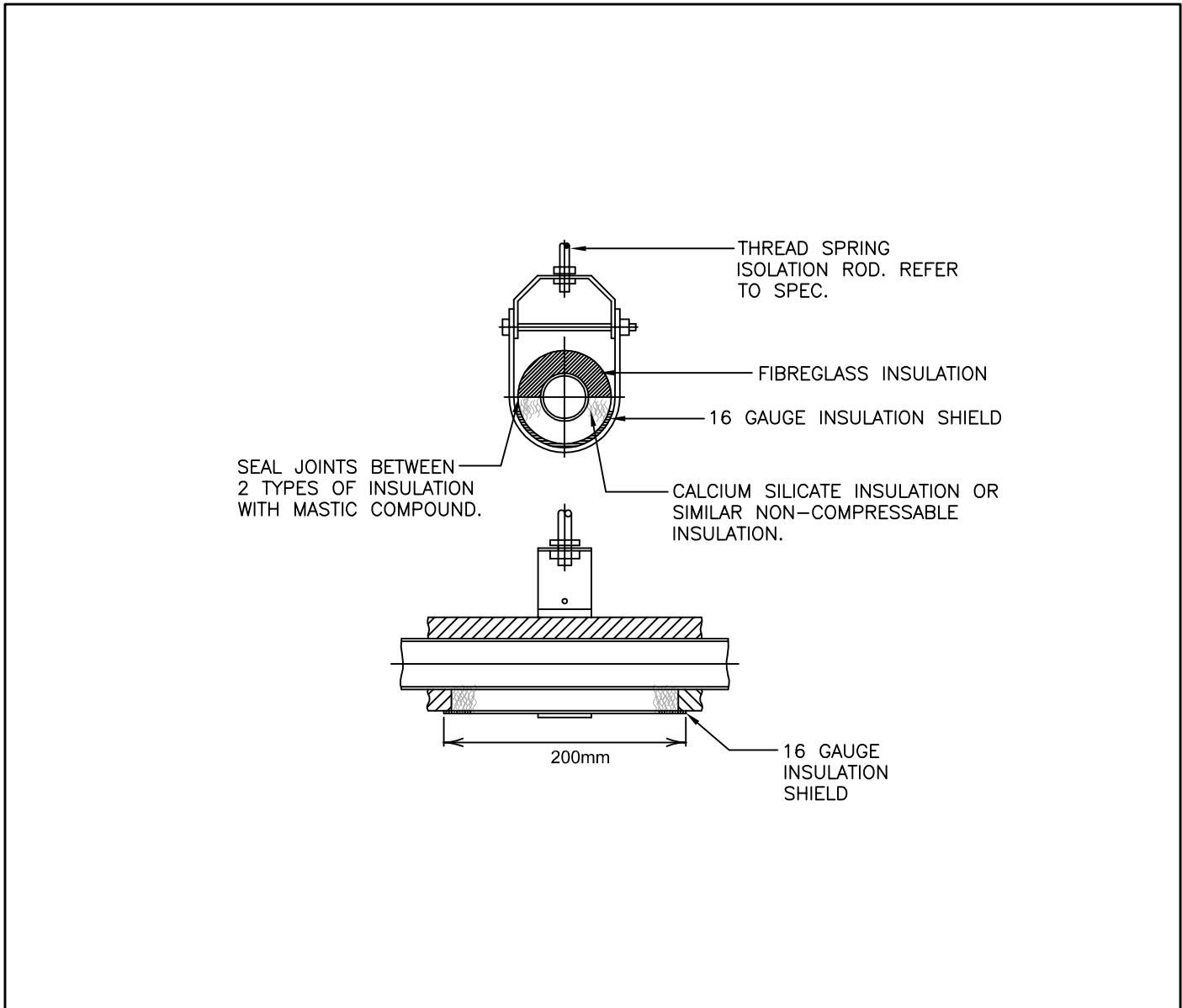
DRAWING TITLE:
**FRAMING PLANS
AND ELEVATION**

PROJECT NO: A25007	SCALE: AS NOTED
DRAWN: AQV	DRAWING No: REV:
CHECKED: CN / BRG	S2-1 1
DATE: FEB. 2026	

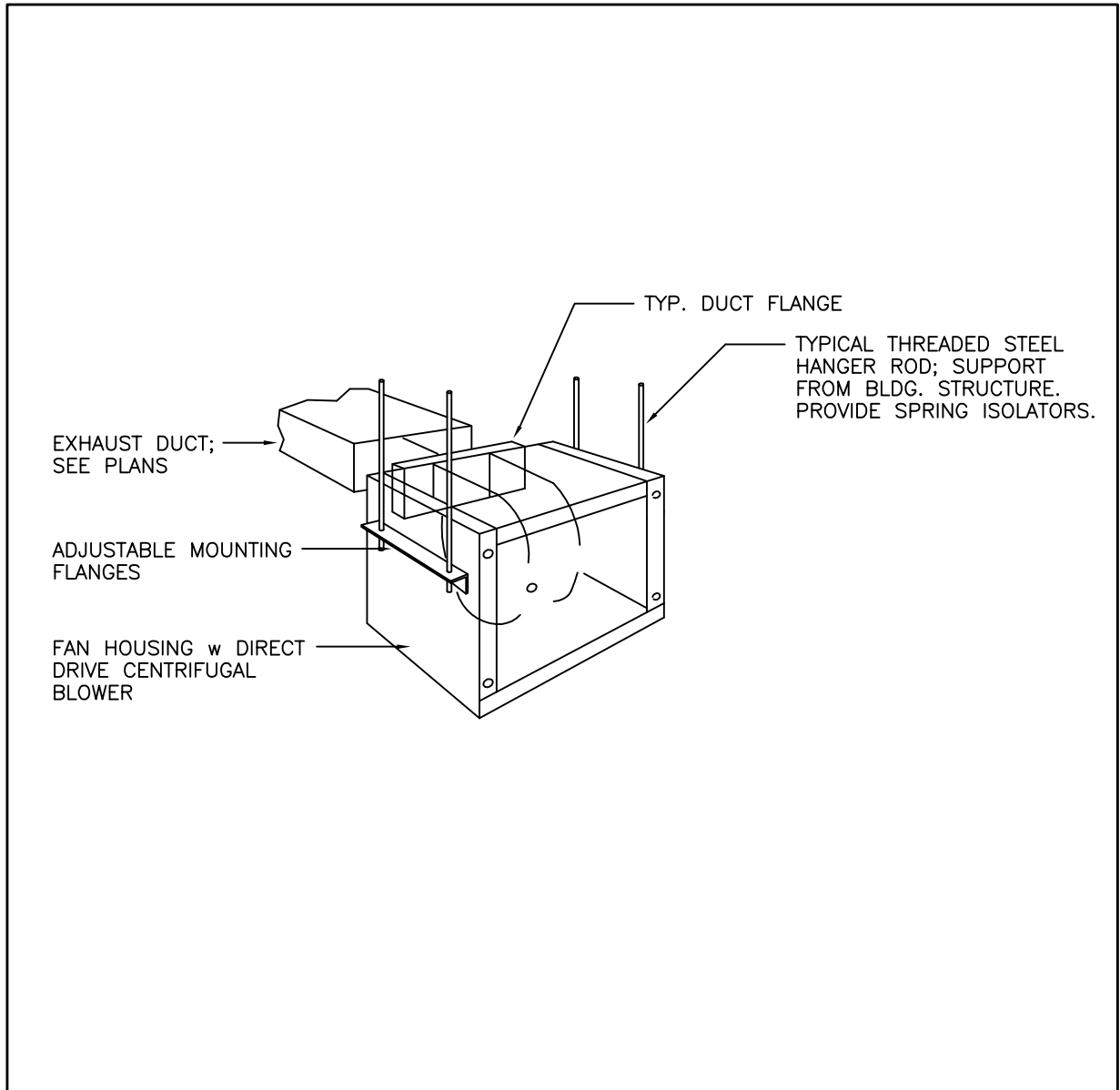
MECHANICAL LEGEND	
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)	
	RIGID DUCTWORK
	ACOUSTICALLY LINED DUCTWORK
	FLEXIBLE ROUND DUCTWORK
	SUPPLY DUCTWORK RISER UP
	EXHAUST/RETURN DUCTWORK RISER UP
	SUPPLY DUCTWORK RISER DOWN
	EXHAUST/RETURN DUCTWORK RISER DOWN
	BALANCING DAMPER
	SPLITTER DAMPER
	DOOR 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
	DENOTES DIFFUSER TYPE - DENOTES AIRFLOW (IN L/S) DENOTES NECK SIZE. DUCTWORK TO MATCH.
	THERMOSTAT TIED TO THE BAS SYSTEM
	STANDALONE THERMOSTAT
	PUMP
	HOT WATER SUPPLY - HEATING
	HOT WATER RETURN - HEATING
	HOT WATER REVERSE RETURN - HEATING
	REFRIGERATION LINE - LIQUID
	REFRIGERATION LINE - GAS
	CONDENSATE LINE
	NATURAL GAS LINE
	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 15 UNLESS OTHERWISE NOTED
	PRESSURE GAUGE
	THERMOMETER
	PIPE UP
	PIPE DOWN

MECHANICAL LEGEND					
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)					
A-5000-0.11	WALL FIN HEATER A 5000 DENOTES HEAT OUTPUT IN WATTS 0.11 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				
<table><tr><td>1-101</td><td>4</td></tr><tr><td>125</td><td>75</td></tr></table>	1-101	4	125	75	VAV BOX
1-101	4				
125	75				
	GRILLE SIZE GRILLE TYPE AIR VOLUME (L/S)				
PLUMBING AND DRAINAGE					
	ABOVE-GROUND STORM				
	STORM IN CEILING SPACE				
	ABOVE-GROUND SANITARY				
	SANITARY IN CEILING SPACE				
	PUMPED SANITARY				
	RUNNING TRAP				
	PLUMBING TRAP				
	SANITARY VENT				
	SANITARY CLEANOUT IN ACCESSIBLE CEILING SPACE				
	SANITARY CLEANOUT IN SLAB				
	DOMESTIC COLD WATER				
	DOMESTIC HOT WATER				
	DOMESTIC HOT WATER RECIRCULATION				
	BACKFLOW PREVENTER - SUITABLE FOR SERVICE INTENDED				
	WATER METER				
	HOSE BIBB				
	NON-FREEZE HOSE BIBB				
	VENT THROUGH ROOF				
	RAIN WATER LEADER				
	FLOOR DRAIN				
	FUNNEL FLOOR DRAIN				
	ROOF DRAIN				
CONTROLS					
	BAS - TEMPERATURE SENSOR - IN PIPING				
	BAS - CURRENT SENSOR				
	BAS - PRESSURE SWITCH				
	BAS - FLOW SWITCH				
	BAS - ANALOG INPUT				
	BAS - ANALOG OUTPUT				
	BAS - DIGITAL INPUT				
	BAS - DIGITAL OUTPUT				
FIRE PROTECTION					
	FIRE EXTINGUISHER IN ENCLOSURE C/W MOUNTING BRACKET				
	FIRE EXTINGUISHER C/W MOUNTING BRACKET				
	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				
FC	FLEXIBLE CONNECTION				
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:
- 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.
 - 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 MECHANICAL 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.
 - CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO STARTING ANY WORK.
 - 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.
 - 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.
 - 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.
 - 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.
 - IN THE EVENT OF ANY DISCREPANCY BETWEEN THE MECHANICAL DRAWINGS AND SPECIFICATIONS, ALLOW FOR THE HIGHEST-PRICED OPTION IN THE TENDER PRICE.
 - 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.
 - FURNISH ALL MATERIAL AND EQUIPMENT AS SPECIFIED, EXCEPT WHERE SPECIFIC APPROVAL FOR SUBSTITUTION IS GIVEN IN WRITING BY THE OWNER.



1 PIPING SUPPORT HANGER INSTALLATION DETAIL
M1 SCALE: N.T.S.



2 CEILING FAN INSTALLATION DETAIL
M1 SCALE: N.T.S.

FAN SCHEDULE											
EQUIPMENT DESIGNATION	MANUFACTURER	MODEL NO.	SERVICE	FAN TYPE	AIRFLOW (L/S)	ESP (Pa)	UNIT SIZE (WxLxH) mm	UNIT WEIGHT (KG)	CONTROLLED BY	VOLTAGE MOCP	NOTES
EF-1	GREENHECK OR EQUAL	SP-A90-130-VG	NEW UNIVERSAL WASHROOM	CEILING-MOUNTED FAN	61	95	337x270x229	5.0	WALL SWITCH (BY DIVISION 26)	120V/1Ø/60 15A	C/W CEILING RADIATION DAMPER AND VIBRATION ISOLATION KIT

DRAWING LIST	
DRAWING NUMBER	DESCRIPTION
M1	MECHANICAL LEGEND AND NOTES
M2	FIRST FLOOR KEY PLAN
M3	MECHANICAL PART PLANS

- ABATEMENT WORK
- REFER TO THE DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT BY THE ENVIRONMENTAL CONSULTANT AND INCLUDED IN THE TENDER DOCUMENTS.
- ALL ABATEMENT WORK NECESSARY FOR THE SCOPE OF THIS PROJECT SHALL BE INCLUDED IN THE BASE TENDER PRICE. REFER TO THE DSS FOR DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS IN THE BUILDING AND/OR AREA OF WORK.
- THE CONTRACTOR SHALL UTILIZE ONLY TDSB-APPROVED ENVIRONMENTAL CONTRACTORS FOR ANY ABATEMENT WORK.
- COORDINATE ALL WORK AND DAILY INSPECTIONS (AS NECESSARY) WITH THE ENVIRONMENTAL CONSULTANT.
- ALL REINSTATEMENT OF ABATED MATERIALS (CEILING TILES, INSULATION, FLOOR TILES, BUILDING FINISHES, ETC.) SHALL BE INCLUDED IN THE BASE TENDER PRICE.

- INITIAL INVESTIGATION UPON AWARD
- UPON AWARD, CONDUCT A THOROUGH SITE INVESTIGATION OF THE AREA OF WORK AND PROVIDE THE FOLLOWING TO THE CONSULTANT WITHIN FIFTEEN (15) DAYS OF AWARD:
- SITE VERIFY THE ROUTING AND SIZES OF ALL EXISTING DUCTWORK DEPICTED ON THE DRAWINGS AND ADVISE THE ENGINEER OF ANY DISCREPANCY FROM THE INFORMATION SHOWN ON THE DRAWINGS.
 - CAMERA SCOPE THE UNDERGROUND DRAINAGE IN THE AREA OF WORK, IN THE AREA OF THE PROPOSED CONNECTION AND IN THE NEARBY AREA IN ORDER TO DETERMINE THE CONDITION, SIZE, INVERT (DEPTH) AND DIRECTION OF FLOW FOR ALL UNDERGROUND SANITARY PIPING. PROVIDE ANY ABNORMALITIES OR DEVIATION IN SIZE OR ROUTING FROM THAT SHOWN ON THE DRAWINGS. PROVIDE A COPY OF THE SCOPING VIDEO TO THE CONSULTANTS FOR REVIEW AND RECORD PURPOSES.
 - SITE VERIFY THE ROUTING AND SIZES OF ALL EXISTING DCW, DHW, DHWR, HEATING SUPPLY AND HEATING RETURN PIPING. ADVISE THE ENGINEER OF ANY DISCREPANCY FROM THE INFORMATION SHOWN ON THE DRAWINGS.
 - LOCATE ANY EXISTING ISOLATION VALVES. NOTE THAT DUE TO THE AGE OF THE EXISTING PIPING, IT IS LIKELY THAT THE VALVES ARE NOT FUNCTIONAL. AS A RESULT, THE CONTRACTOR MUST ALLOW FOR PIPE FREEZING OF THE EXISTING DCW, DHW, DHWR, HEATING SUPPLY AND HEATING RETURN SERVICES AS REQUIRED TO COMPLETE THE NECESSARY DEMOLITION SCOPE AND/OR ANY NEW CONNECTION WORK.

CONSULTANTS LOGO

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

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF "TDSB" AND MUST BE RETURNED UPON REQUEST. USE THE LATEST REVISED DRAWINGS ONLY. REPRODUCTIONS OF DRAWINGS AND RELATED DOCUMENTS IN PART OR IN WHOLE IS FORBIDDEN WITHOUT TDSB'S WRITTEN PERMISSION. DRAWINGS TO BE READ IN CONJUNCTION WITH SPECIFICATIONS DO NOT SCALE DRAWINGS.

2	APR. 8/26	ISSUED FOR TENDER
1	MAR. 25/26	ISSUED FOR 85% REVIEW
No.	DATE	DESCRIPTION
STAMP		NORTH

Toronto
District
School
Board

Facility Services Department
Design & Construction Division
15 Oakburn Cres. Toronto, Ontario M2N 2T5
t. 416-395-4588 / f. 416-395-9734

LOCATION

Sir Oliver Mowat
Collegiate Institute
5400 Lawrence Avenue
Toronto, Ontario. M1C 2C6

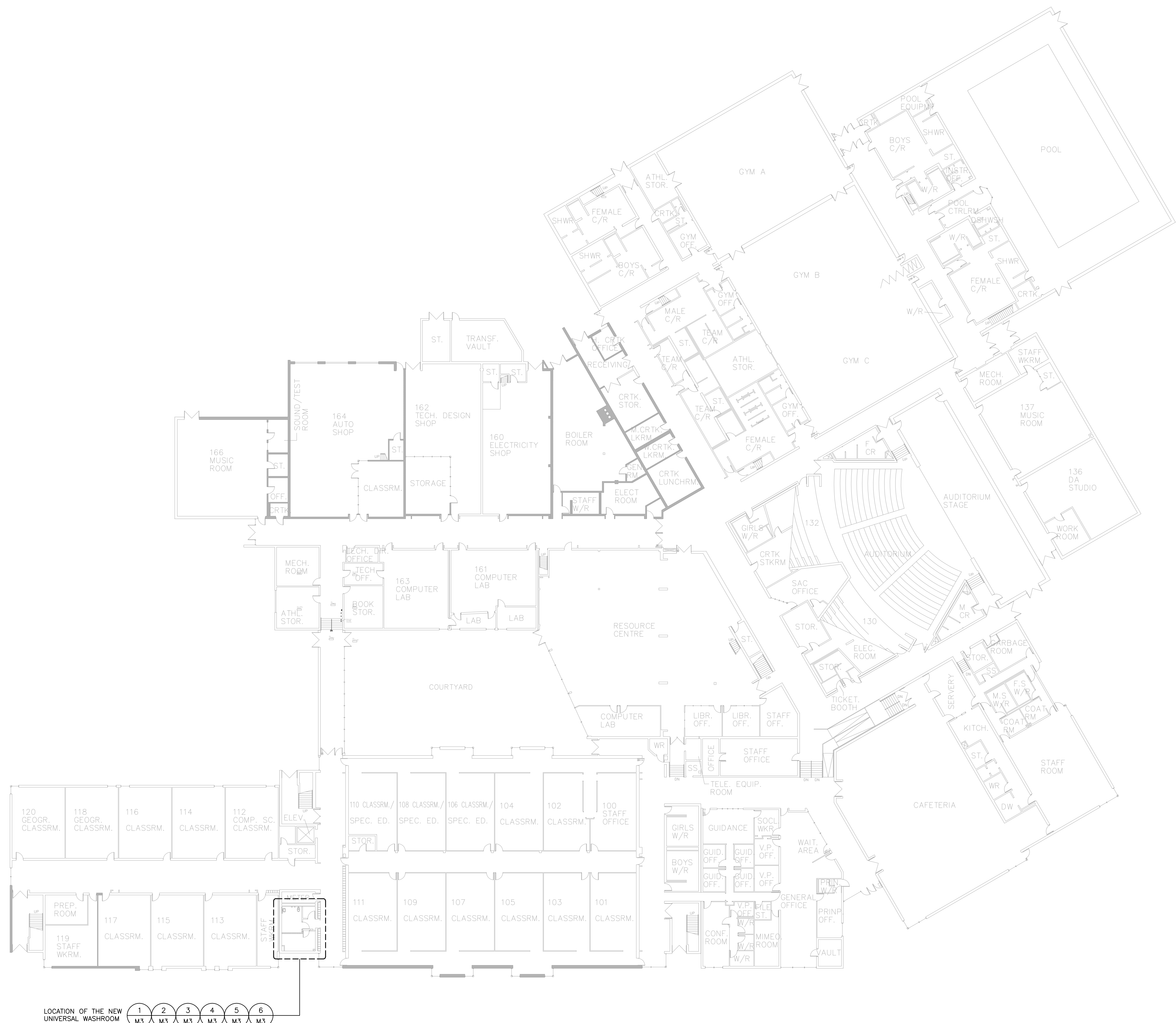
PROJECT

ACCESSIBILITY UPGRADES

DRAWING TITLE

MECHANICAL LEGEND AND NOTES

TDSB PROJECT No:	TR-25-XXXX	DRAWING No
DATE:	FEBRUARY 2026	M1
SCALE:	AS NOTED	
DRAWING BY:	RS	
APPROVED BY:	SS	



1 FIRST FLOOR KEY PLAN
M2 SCALE: 1:300

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1022 WHITE CLOVER WAY
MISSISSAUGA, ONTARIO L5V 1C8
T (905)-290-7861
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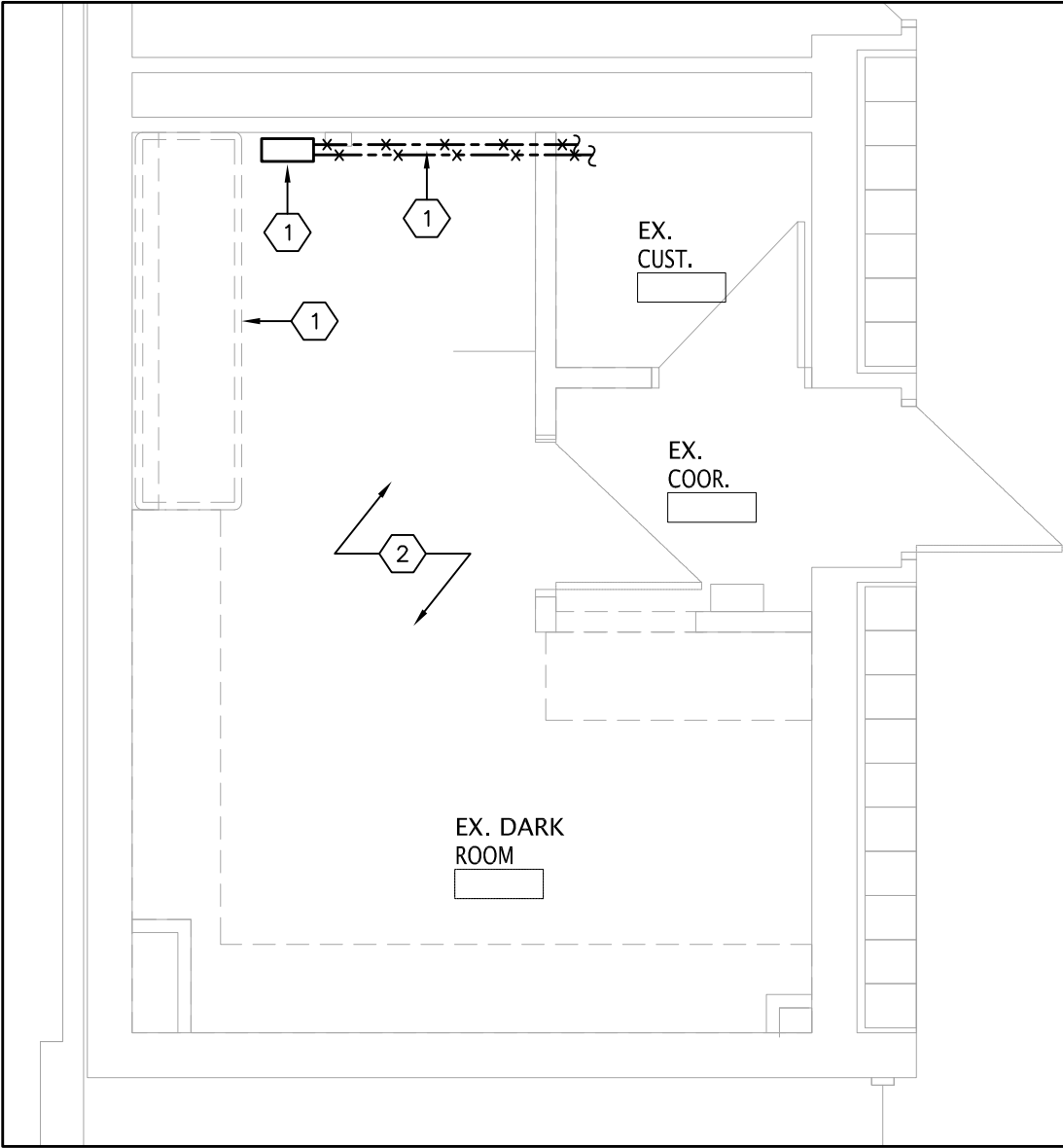
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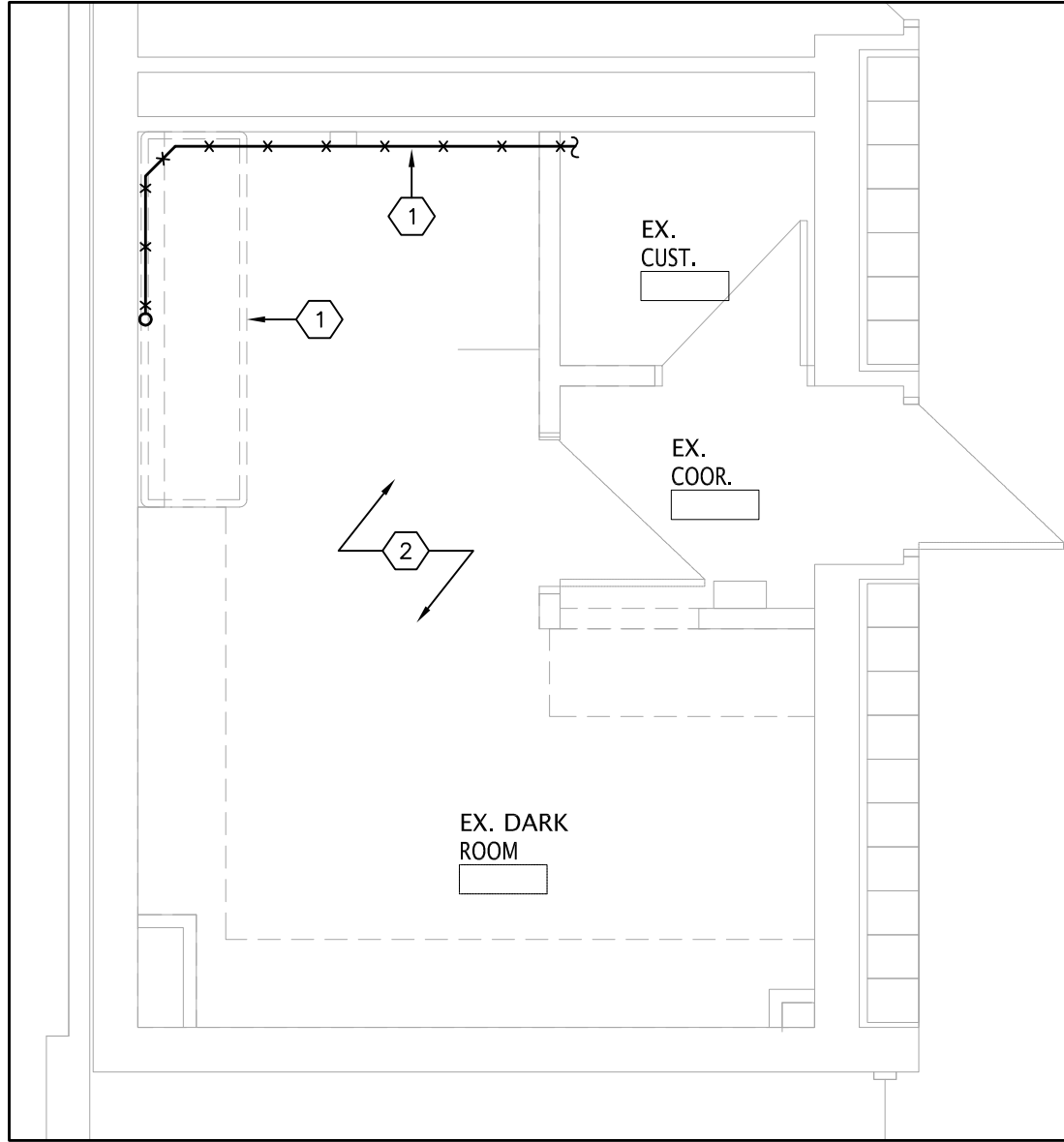


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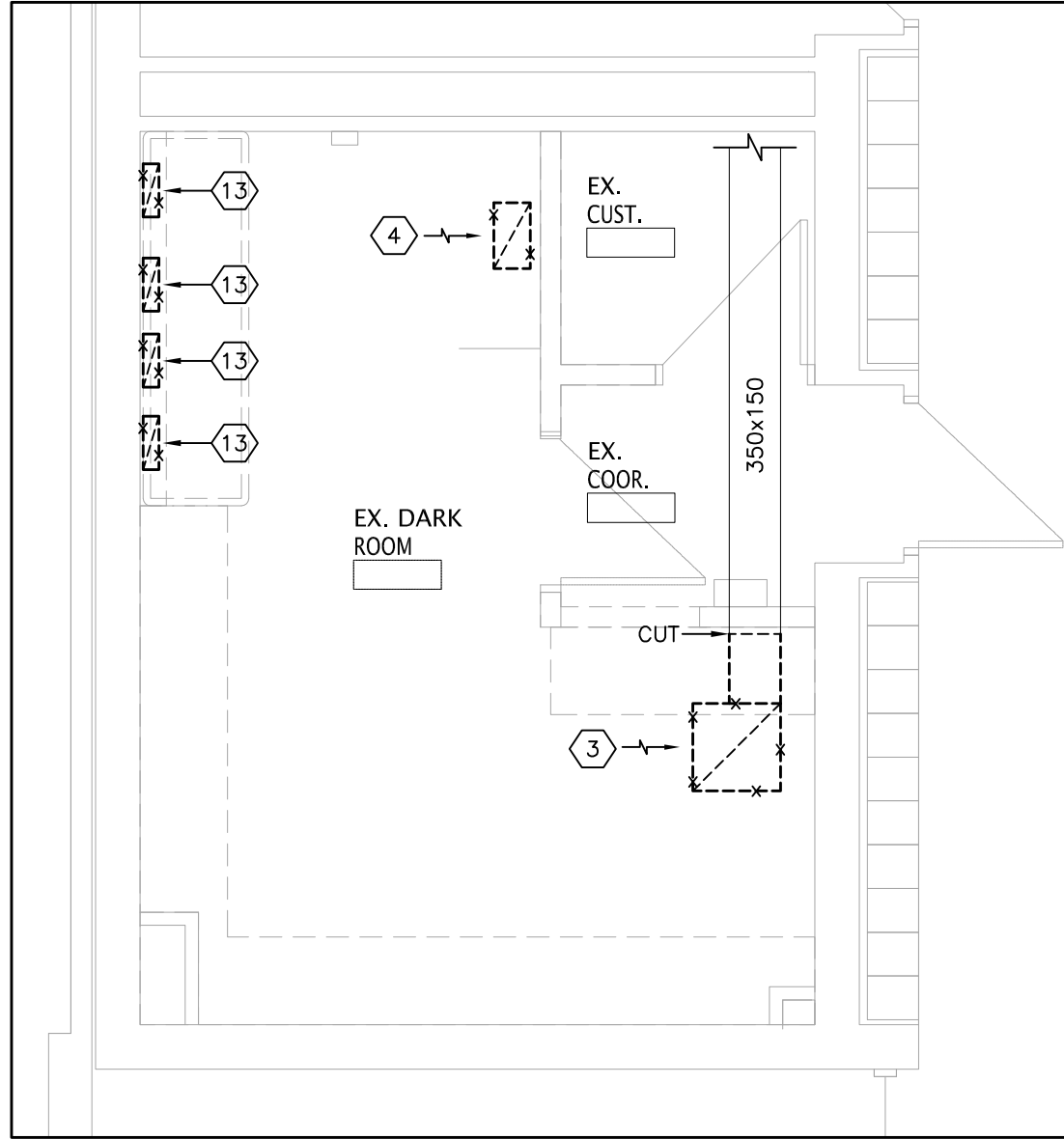
LOCATION	
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario. M1C 2C6	
PROJECT	
ACCESSIBILITY UPGRADES	
DRAWING TITLE	
FIRST FLOOR KEY PLAN	
TDSB PROJECT No:	TR-25-XXXX
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
DRAWING BY:	RS
APPROVED BY:	SS
DRAWING No	
M2	



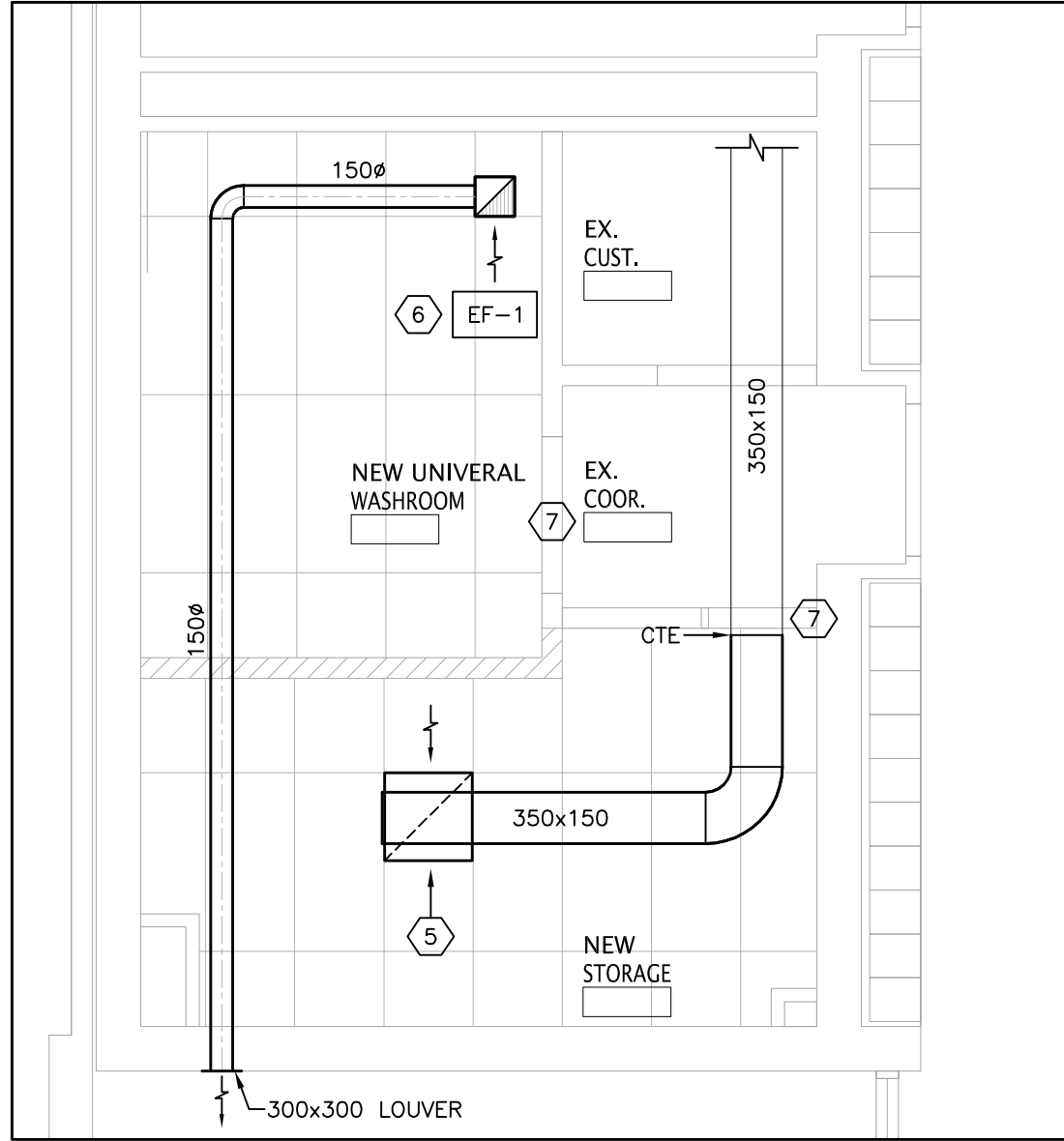
1 EXISTING PLUMBING PLAN
M3 SCALE: 1:50



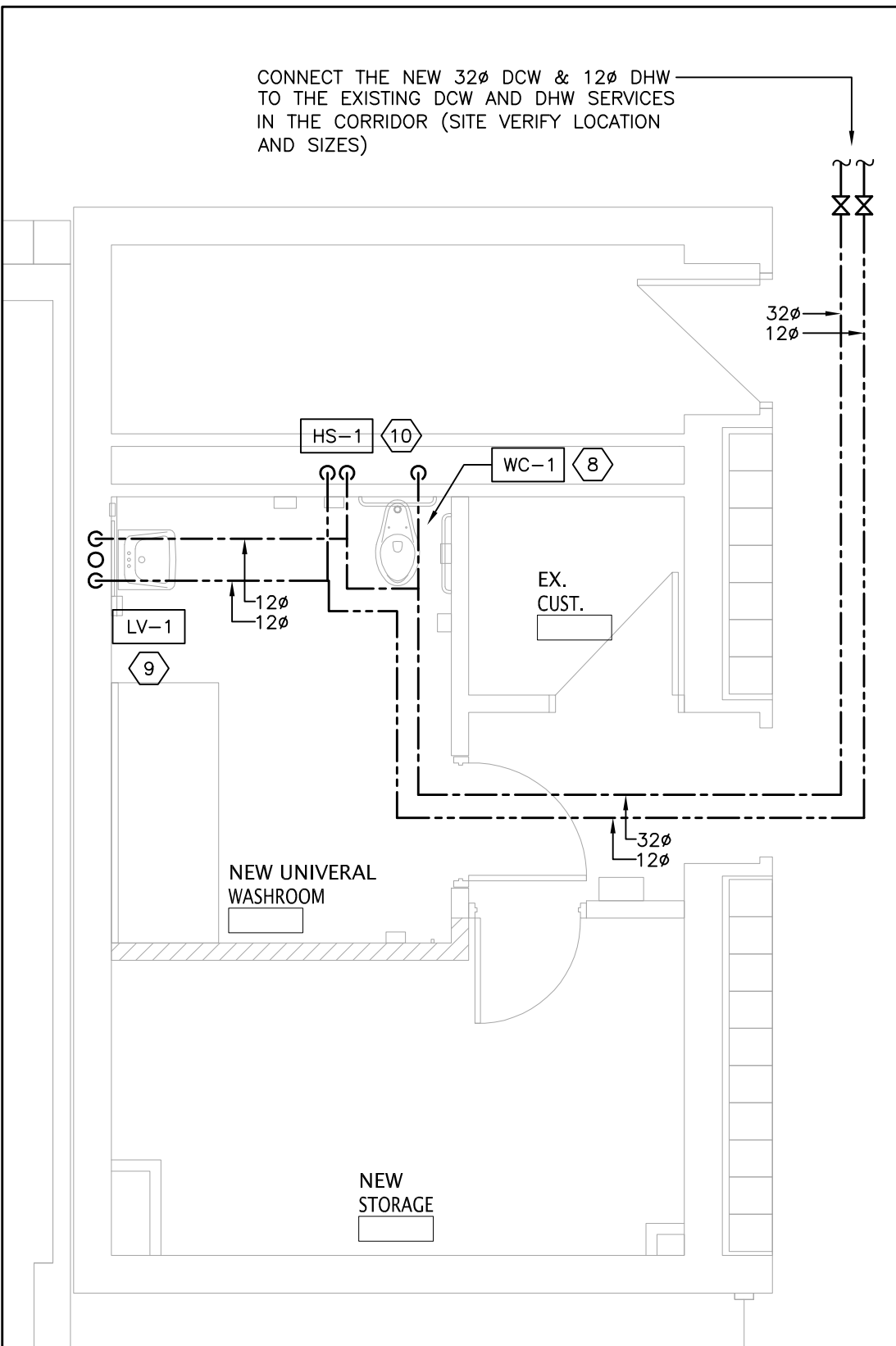
2 EXISTING DRAINAGE PLAN
M3 SCALE: 1:50



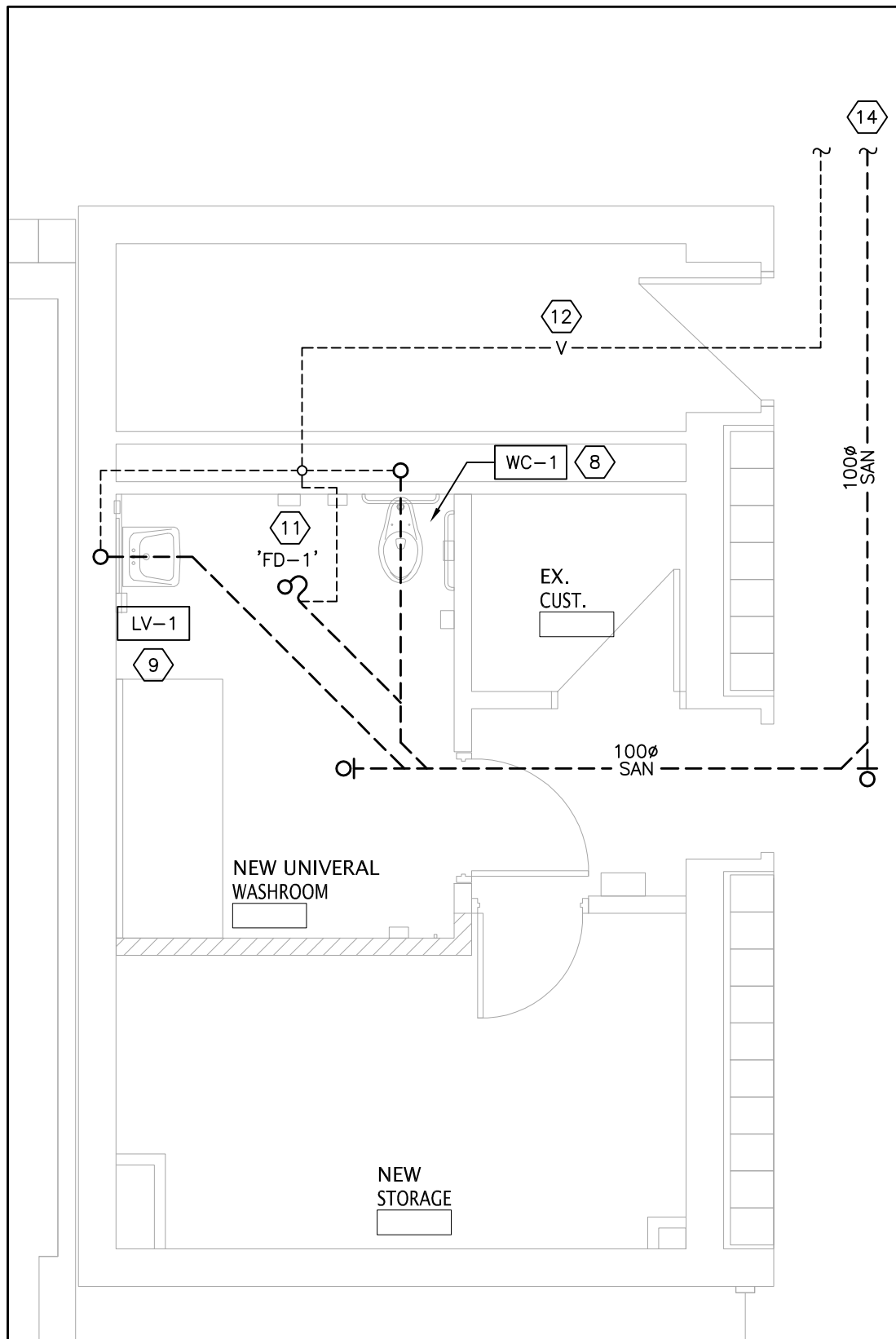
5 EXISTING HVAC PLAN
M3 SCALE: 1:50



6 NEW HVAC PLAN
M3 SCALE: 1:50



3 NEW PLUMBING PLAN
M3 SCALE: 1:50



4 NEW DRAINAGE PLAN
M3 SCALE: 1:50

GENERAL NOTES:

- ALL DETAILS SHOWN ON THESE DRAWINGS ARE BASED ON ARCHIVE DRAWINGS AND, WHERE FEASIBLE, SITE INVESTIGATION. THE CONTRACTOR SHALL SITE VERIFY ALL INFORMATION PRESENTED ON THESE PLANS AND ADVISE THE ENGINEER OF ANY DISCREPANCY IN WRITING. NOTE ANY DISCREPANCIES ON THE AS-BUILT DRAWINGS.
- ALL PLUMBING/DRAINAGE ELEMENTS SHOWN ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. PROTECT EXISTING PIPING DURING DEMOLITION. INCLUDE FOR REWORK OF EXISTING PIPING DUE TO DEMOLITION SCOPE AND TO ENSURE EXISTING TO REMAIN PLUMBING FIXTURES ARE KEPT OPERATIONAL.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING, CUTTING, PATCHING & FINISHING OF FLOORS, CEILINGS AND WALL. COORDINATE SCOPE OF WORK AT THE TIME OF PRICING AND INSTALLATION.
- AT THE ONSET OF PROJECT, INVESTIGATE ALL EXISTING PIPING SIZES, LOCATIONS & INVERT LEVELS AS APPLICABLE PRIOR TO ORDERING OF MATERIAL, CORE AND CUT TO ENSURE THAT THE PROPOSED CONNECTIONS CAN BE MADE WITHOUT ANY ISSUE. ADVISE OF ANY DISCREPANCY TO THE CONSULTANT FOR RESOLUTION PRIOR TO PROCEEDING.
- ALLOW, IN THE BASE TENDER PRICE, FOR PIPE FREEZING AS A MEANS OF PIPE ISOLATION TO INSTALL NEW VALVES AND TO CONNECT THE NEW SERVICES TO THE EXISTING.

DRAWING NOTES:

- REMOVE THE EXISTING SINK AND EYEWASH STATION. REMOVE THE EXISTING MIXING VALVE. REMOVE ALL REDUNDANT DC&HW, SANITARY AND VENT PIPING AND CAP.
- SCOPE THE EXISTING DRAINAGE PIPING IN THIS AREA AND PROVIDE ALL FINDINGS – SIZE, LENGTH, ROUTING – OF THE EXISTING UNDERGROUND SANITARY PIPING TO THE ENGINEER.
- EXISTING RETURN GRILLE IS TO BE RELOCATED. MODIFY DUCTWORK AS SHOWN TO SUIT THE NEW LOCATION.
- REMOVE THE EXISTING RETURN GRILLE. CAP DUCTWORK ABOVE THE CEILING.
- RELOCATED RETURN GRILLE. MODIFY DUCTWORK AS SHOWN TO SUIT THE NEW LOCATION.
- PROVIDE A NEW EXHAUST FAN OF TYPE NOTED AND SCHEDULED. PROVIDE NEW 150# DUCTWORK THROUGH THE SIDE WALL. INSULATE THE FULL LENGTH OF DUCTWORK. PROVIDE A NEW 300x300 LOUVER (E.H. PRICE DE439 SERIES, C/W ALUMINUM BIRDSCREEN).
- PROVIDE A NEW 12mm UNDERCUT IN THE DOORS.
- PROVIDE NEW 25# DCW, 75# SANITARY, 38# VENT TO SERVE THE NEW WATER CLOSET ('WC-1').
- PROVIDE NEW 12# H&CW, 32# SANITARY, 32# VENT TO SERVE THE NEW LAVATORY ('LV-1').
- PROVIDE NEW 12# DH&CW TO SERVE THE NEW HANDHELD SHOWER ('HS-1') VIA MIXING VALVE IN STAINLESS STEEL RECESSED BOX WITH MATCHING HINGED & LOCKABLE DOOR. MOUNT BOX AT 1650mm HIGH (MEASURED TO THE CENTER OF THE BOX).
- PROVIDE NEW 75# SANITARY, 38# VENT TO SERVE THE NEW FLOOR DRAIN ('FD-1'). PROVIDE TRAP SEAL PRIMER.
- NEW VENT IN PIPE CHASE. CONNECT TO THE EXISTING VENT OF ADEQUATE SIZE SERVING THE EXISTING (TO REMAIN) WASHROOM AND/OR THE DEMOLISHED WASHROOM. INCLUDE FOR AN ADDITIONAL 30' OF PIPING AS REQUIRED TO MAKE THE REQUIRED CONNECTION, INCLUDING ALL NECESSARY CUTTING AND PATCHING. TRACE EXISTING PIPING AS NECESSARY TO LOCATE A VENT SUITABLE FOR CONNECTION.
- DEMOLISH THE EXISTING GRILLES SERVING THE SINK. REMOVE ALL REDUNDANT DUCTWORK AND CAP.
- CONNECT THE NEW 100# BURIED SANITARY TO THE EXISTING SANITARY IN APPROXIMATELY THIS AREA. SITE VERIFY LOCATION OF THE EXISTING UNDERGROUND SERVICE.

CONSULTANTS LOGO

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ENGINEERING CONSULTANTS

1022 WHITE CLOVER WAY
MISSISSAUGA, ONTARIO
L5V 1C8
T (905)–290–7861
F (289)–327–3420

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Facility Services Department
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t. 416-395-4588 / f. 416-395-9734

LOCATION
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario. M1C 2C6

PROJECT
ACCESSIBILITY UPGRADES

DRAWING TITLE		
MECHANICAL PART PLANS		
TDSB PROJECT No:		DRAWING
TR-25-XXXX		
DATE:	FEBRUARY 2026	
SCALE:	AS NOTED	
DRAWING BY:	RS	
APPROVED BY:	SS	M3

LIGHTING LEGEND	
	STANDARD TYPE 'A1' LIGHT FIXTURE AS SCHEDULED
	TYPE 'A1' LIGHT FIXTURE AS SCHEDULED, CONNECTED TO THE EMERGENCY POWER SOURCE (INVERTER OR GENERATOR)
	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.
	CORNER/WALL-MOUNTED, LOW-VOLTAGE OCCUPANCY SENSOR, AS SCHEDULED
	CEILING-MOUNTED, LOW-VOLTAGE OCCUPANCY SENSOR, AS SCHEDULED
	EXTERIOR-GRADE, WALL-MOUNTED LIGHT FIXTURE
	EXTERIOR-GRADE, LIGHT STANDARD COMPLETE WITH CONCRETE BASE
	EMERGENCY LIGHTING BATTERY UNIT C/W NO REMOTE HEADS
	EMERGENCY LIGHTING BATTERY UNIT C/W DUAL-HEAD REMOTE HEADS
	EMERGENCY LIGHTING DUAL-HEAD REMOTE HEAD
	EMERGENCY LIGHTING, WALL-MOUNTED EXIT SIGN
	EMERGENCY LIGHTING, CEILING-MOUNTED EXIT SIGN

POWER DEVICES & EQUIPMENT LEGEND	
	SINGLE RECEPTACLE MOUNTED AT STANDARD HEIGHT; USE AND RATING FOR THE PURPOSE INTENDED
	SINGLE RECEPTACLE MOUNTED AT HIGH LEVEL; USE AND RATING FOR THE PURPOSE INTENDED
	15A, 120V DUPLEX RECEPTACLE MOUNTED AT STANDARD HEIGHT. 'T' DENOTES 20A, T-SLOT TYPE RECEPTACLE
	15A, 120V DUPLEX RECEPTACLE MOUNTED AT HIGH LEVEL. 'T' DENOTES 20A, T-SLOT TYPE RECEPTACLE
	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
	MAGNETIC STARTER WITH H/O/A SWITCH
	DIRECT POWER CONNECTION COMPLETE UNFUSED DISCONNECT SWITCH
	BLANK COVERPLATE COMPLETE WITH WIRING, CONDUIT, AND BACKBOX
	ROUND JUNCTION BOX COMPLETE WITH COVERPLATE
	SQUARE JUNCTION BOX COMPLETE WITH COVERPLATE
	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 COMPLETE WITH CATEGORY 6, FT6 CABLING TO THE HUB RACK
	TELEPHONE OUTLET MOUNTED AT STANDARD HEIGHT COMPLETE WITH CATEGORY 6, FT6 CABLING TO THE TELEPHONE SWITCH
	DATA OUTLET MOUNTED AT HIGH LEVEL COMPLETE WITH CATEGORY 6, FT6 CABLING TO THE HUB RACK
	TELEPHONE OUTLET MOUNTED AT HIGH LEVEL COMPLETE WITH CATEGORY 6, FT6 CABLING TO THE TELEPHONE SWITCH
	WIRELESS ACCESS POINT COMPLETE WITH CATEGORY 6, FT6 CABLING TO THE HUB RACK

SYSTEMS DEVICE & EQUIPMENT LEGEND	
	MODULAR CONTROL PANEL, SUPPLIED AND INSTALLED BY DIVISION 26
	DOOR OPERATOR ACTUATOR BUTTON
	KEY SWITCH, TIED TO THE DOOR OPERATOR SYSTEM
	HAND DRYER, SUPPLIED AND INSTALLED BY DIVISION 26
	PUSH-TO-LOCK BUTTON TIED TO THE WASHROOM DOOR OPERATOR SYSTEM
	'OCCUPIED-WHEN-LIT' LED ANNUNCIATOR TIED TO THE WASHROOM DOOR OPERATOR SYSTEM
	VISUAL INDICATOR TIED TO THE CALL-FOR-ASSISTANCE SYSTEM
	EMERGENCY PUSH-BUTTON TIED TO THE CALL-FOR-ASSISTANCE SYSTEM
	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 HORN
	FIRE ALARM HORN/STROBE
	DUCT SMOKE DETECTOR
	REMOTE TROUBLE INDICATOR
	SPRINKLER/STANDPIPE FLOW SWITCH
	SPRINKLER/STANDPIPE SUPERVISED VALVE
	FIRE ALARM ANNUNCIATOR
	FIRE ALARM CONTROL PANEL

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

SECURITY SYSTEM LEGEND	
	MOTION DETECTOR
	MAGNETIC DOOR CONTACT
	KEYPAD
	ELECTRIC STRIKE

CLOCK SYSTEM LEGEND	
	ANALOG CLOCK, 120V PLUG-IN TYPE COMPLETE WITH SINGLE RECEPTACLE – WALL-MOUNTED
	ANALOG CLOCK; 120V PLUG-IN TYPE COMPLETE WITH SINGLE RECEPTACLE – WALL-MOUNTED
	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
	MASTER CLOCK SYSTEM CONTROLLER

AUDIO/VISUAL SYSTEM LEGEND	
	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	
	P.A. SPEAKER – FLUSH CEILING-MOUNTED
	P.A. SPEAKER – WALL-MOUNTED
	P.A. SPEAKER, DUAL-FACE TYPE – WALL-MOUNTED
	P.A. EXTERIOR HORN – WALL-MOUNTED
	WEATHERPROOF PROGRAM BELL C/W ENCLOSURE
	P.A. HANDSET – WALL-MOUNTED
	P.A. HANDSET – DESK-MOUNTED
\$PC	P.A. PRIVACY CALL SWITCH
\$HS	P.A. HANDSET C/W INTEGRAL PRIVACY CALL SWITCH
	P.A. ADMINISTRATIVE HANDSET
	P.A. NIGHT RINGER
	P.A. LOCKDOWN 'AMBER' STROBE
	P.A. INCOMING CALL 'BLUE' STROBE
	P.A. WALL-MOUNTED VOLUME CONTROL SWITCH
	P.A. RED LOCKDOWN BUTTON C/W POLYCARBONATE LIFT-ABLE COVER
	P.A. SPEAKER C/W INTEGRATED CALL SWITCH
	P.A. COMBINATION SPEAKER AND CLOCK UNIT – WALL-MOUNTED
	P.A. HEAD-END EQUIPMENT RACK
	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	T-SLOT, 20A, DEVICE
T	DENOTES TAMPERPROOF DEVICE OR EQUIPMENT
TP	DENOTES DEVICE OR EQUIPMENT WITH A WIREGUARD
WG	DENOTES WEATHERPROOF TYPE DEVICE OR EQUIPMENT
WP	

GENERAL NOTES	
<p>1. IT IS MANDATORY FOR THE ELECTRICAL CONTRACTOR TO VISIT THE SITE PRIOR TO BIDDING 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.</p> <p>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.</p> <p>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 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.</p> <p>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.</p> <p>5. LOCATIONS OF ALL NEW DISCONNECT SWITCHES AND STARTERS SHALL BE CONFIRMED WITH DIVISION 15 PRIOR TO INSTALLATION. STARTERS FOR EXHAUST FANS SHALL BE SUPPLIED AND INSTALLED BY DIV. 16.</p> <p>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.</p> <p>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.</p> <p>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 CONVECTOR 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 CONVECTORS ARE BEING INSTALLED IN CERTAIN LOCATION. SIMILARLY, RECEPTACLE HEIGHTS SHALL BE ADJUSTED IN THE EVENT THAT NEW, PROPOSED MILLWORK MIGHT BLOCK PROPOSED RECEPTACLES. NO EXTRA WILL BE PERMITTED OF AN ERROR RELATED TO A LACK OF COORDINATION ON SITE.</p> <p>9. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL NEW AND EXISTING LIGHT SWITCHES, RECEPTACLES AND JUNCTION BOXES COVERPLATES WITH THE PANEL NAME AND BREAKER IT IS FED FROM. ALL LABELING OF ELECTICAL DEVICES SHALL BE DONE SO WITH A LABELMAKER ONLY. NO HAND WRITTEN LABELS WILL BE PERMITTED.</p> <p>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.</p> <p>11. IN THE EVENT OF ANY DISCREPANCY BETWEEN THE ELECTRICAL DRAWINGS AND SPECIFICATIONS, ALLOW FOR THE HIGHEST-PRICED OPTION IN THE TENDER PRICE.</p> <p>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.</p>	

DRAWING LIST	
DRAWING NUMBER	DESCRIPTION
E1	ELECTRICAL LEGEND AND NOTES
E2	FIRST FLOOR KEY PLAN
E3	SECOND FLOOR KEY PLAN
E4	THIRD FLOOR KEY PLAN
E5	ELECTRICAL PART PLANS
E6	ELECTRICAL PART PLANS
E7	SCHEDULES & SCHEMATICS

ABATEMENT WORK	
REFER TO THE DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT BY THE ENVIRONMENTAL CONSULTANT AND INCLUDED IN THE TENDER DOCUMENTS.	
ALL ABATEMENT WORK NECESSARY FOR THE SCOPE OF THIS PROJECT SHALL BE INCLUDED IN THE BASE TENDER PRICE. REFER TO THE DSS FOR DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS IN THE BUILDING AND/OR AREA OF WORK.	
THE CONTRACTOR SHALL UTILIZE ONLY TDSB-APPROVED ENVIRONMENTAL CONTRACTORS FOR ANY ABATEMENT WORK.	
COORDINATE ALL WORK AND DAILY INSPECTIONS (AS NECESSARY) WITH THE ENVIRONMENTAL CONSULTANT.	
ALL REINSTATEMENT OF ABATED MATERIALS (CEILING TILES, INSULATION, FLOOR TILES, BUILDING FINISHES, ETC.) SHALL BE INCLUDED IN THE BASE TENDER PRICE.	

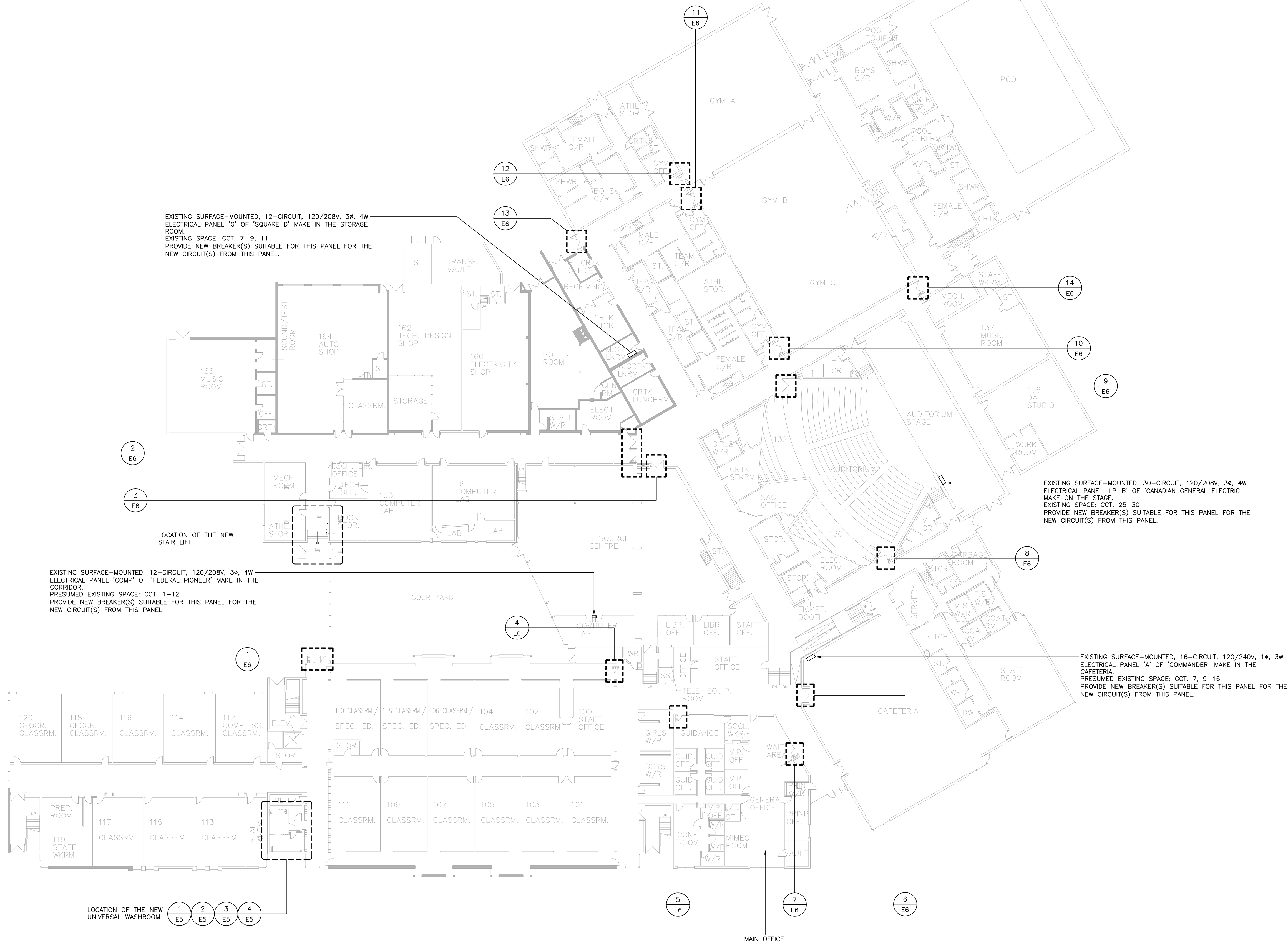
S1001 INTEGRATED TESTING	
THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR RETAINING A ULC-LISTED INTEGRATED TESTING PROVIDER TO COMPLETE CAN/ULC-S1001 INTEGRATED TESTING FOR ALL FIRE ALARM WORK COMPLETED AS PART OF THIS PROJECT. THE INTEGRATED TESTING COORDINATOR RESPONSIBLE FOR COMPLETING THE INTEGRATED TESTING FOR THIS PROJECT IS REQUIRED TO BE A LICENSED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. REFER TO SPECIFICATIONS.	
THE COSTS OF THE INTEGRATED TESTING PROVIDER IS TO BE INCLUDED IN THE BASE TENDER PRICE FOR THE PROJECT.	
PROVIDE A COPY OF THE INTEGRATED TESTING PLAN FOR THE ELECTRICAL CONSULTANT'S REVIEW AND APPROVAL PRIOR TO COMPLETING THE INTEGRATED TESTING.	
PROVIDE A FINAL INTEGRATED TESTING REPORT AND CERTIFICATE AT THE COMPLETION OF THE PROJECT.	

FIRE ALARM WORK	
ALL FIRE ALARM WORK FOR THIS PROJECT (SUPPLY/INSTALL OF NEW DEVICES, SUPPLY/INSTALL OF ALL NEW FIRE ALARM WIRING, FIRE ALARM VERIFICATION, FIRE ALARM PROGRAMMING) IS TO BE COMPLETED BY THE ELECTRICAL CONTRACTOR HOLDING THE WARRANTY OF THE NEW SYSTEM.	
THE BALANCE OF ALL ELECTRICAL WORK IS TO BE COMPLETED BY THE ELECTRICAL CONTRACTOR FOR THIS PROJECT.	

CONSULTANTS LOGO																							
<div><div>SURI & ASSOCIATES LTD. ENGINEERING CONSULTANTS</div><div><div>1022 WHITE CLOVER WAY MISSISSAUGA, ONTARIO L5V 1C8 T (905)–290–7861 F (289)–327–3420</div><div>ELECTRICAL MECHANICAL LIGHTING COMMUNICATION SECURITY</div></div></div>																							
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<div><div></div><div><div>Toronto District School Board</div><div>Facility Services Department Design & Construction Division 15 Oakburn Cres. Toronto, Ontario M2N 2T5 t. 416-395-4588 / f. 416-395-9734</div></div></div>																							
LOCATION																							
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario. M1C 2C6																							
PROJECT																							
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DRAWING TITLE																							
ELECTRICAL LEGEND AND NOTES																							
TDSB PROJECT No: TR-25-XXXX		DRAWING No																					
DATE: FEBRUARY 2026	E1																						
SCALE: AS NOTED																							
DRAWING BY: RS																							
APPROVED BY: SS																							

DRAWING NOTES:

- ① PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS AND ELECTRIC STRIKE FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM. CONNECT TO THE CIRCUIT NOTED.
- ② PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS AND ELECTRIC STRIKE FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM. CONNECT TO THE CIRCUIT NOTED. AT ALL FIRE-RATED DOORS, THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM.
- ③ PROVIDE 120V POWER CONNECTION TO THE NEW HOLD OPEN DEVICES. CONNECT TO THE CIRCUIT NOTED. PROVIDE A FIRE ALARM SMOKE DETECTOR ON BOTH SIDES OF THE DOOR; CONNECT THE SMOKE DETECTORS TO THE FIRE ALARM SYSTEM TO THE EXISTING FIRE ALARM ZONE SERVING THE RESPECTIVE AREA OF INSTALLATION. TIE THE HOLD OPEN DEVICES TO THE FIRE ALARM SYSTEM TO CLOSE UPON A GENERAL OR LOCAL ALARM.



CONSULTANTS LOGO

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ENGINEERING CONSULTANTS

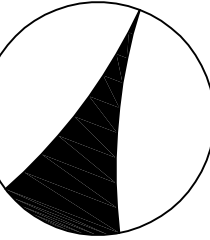
1022 WHITE CLOVER WAY
MISSISSAUGA, ONTARIO
L5V 1C8
T (905)-290-7861
F (289)-327-3420

ELECTRICAL
MECHANICAL
LIGHTING
COMMUNICATION
SECURITY

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF 'TDSB' AND MUST BE RETURNED UPON REQUEST. USE THE LATEST REVISED DRAWINGS ONLY. REPRODUCTIONS OF DRAWINGS AND RELATED DOCUMENTS IN PART OR IN WHOLE IS FORBIDDEN WITHOUT TDSB'S WRITTEN PERMISSION. DRAWINGS TO BE READ IN CONJUNCTION WITH SPECIFICATIONS. DO NOT SCALE DRAWINGS.

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No.	DATE	DESCRIPTION

STAMP NORTH



Facility Services Department
Design & Construction Division
15 Oakburn Cres. Toronto, Ontario M2N 2T5
t. 416-395-4588 / f. 416-395-9734

LOCATION

Sir Oliver Mowat
Collegiate Institute
5400 Lawrence Avenue
Toronto, Ontario, M1C 2C6

PROJECT

ACCESSIBILITY UPGRADES

DRAWING TITLE

FIRST FLOOR KEY PLAN

TDSB PROJECT No:	TR-25-XXXX	DRAWING No
DATE:	FEBRUARY 2026	E2
SCALE:	AS NOTED	
DRAWING BY:	RS	
APPROVED BY:	SS	



EXISTING RECESSED, 60-CIRCUIT, 120/208V, 3ø, 4W
ELECTRICAL PANEL "RD-A5" OF "SIEMENS" MAKE IN THE
CORRIDOR.
PRESUMED EXISTING SPACE: CCT. 33-49 (ODD)
PROVIDE NEW BREAKER(S) SUITABLE FOR THIS PANEL FOR THE
NEW CIRCUIT(S) FROM THIS PANEL.

1 SECOND FLOOR KEY PLAN
E3 SCALE: 1:300

CONSULTANTS LOGO

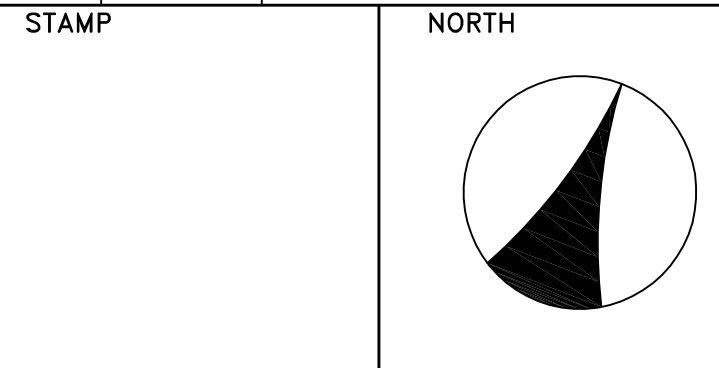
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ELECTRICAL
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CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR
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LOCATION

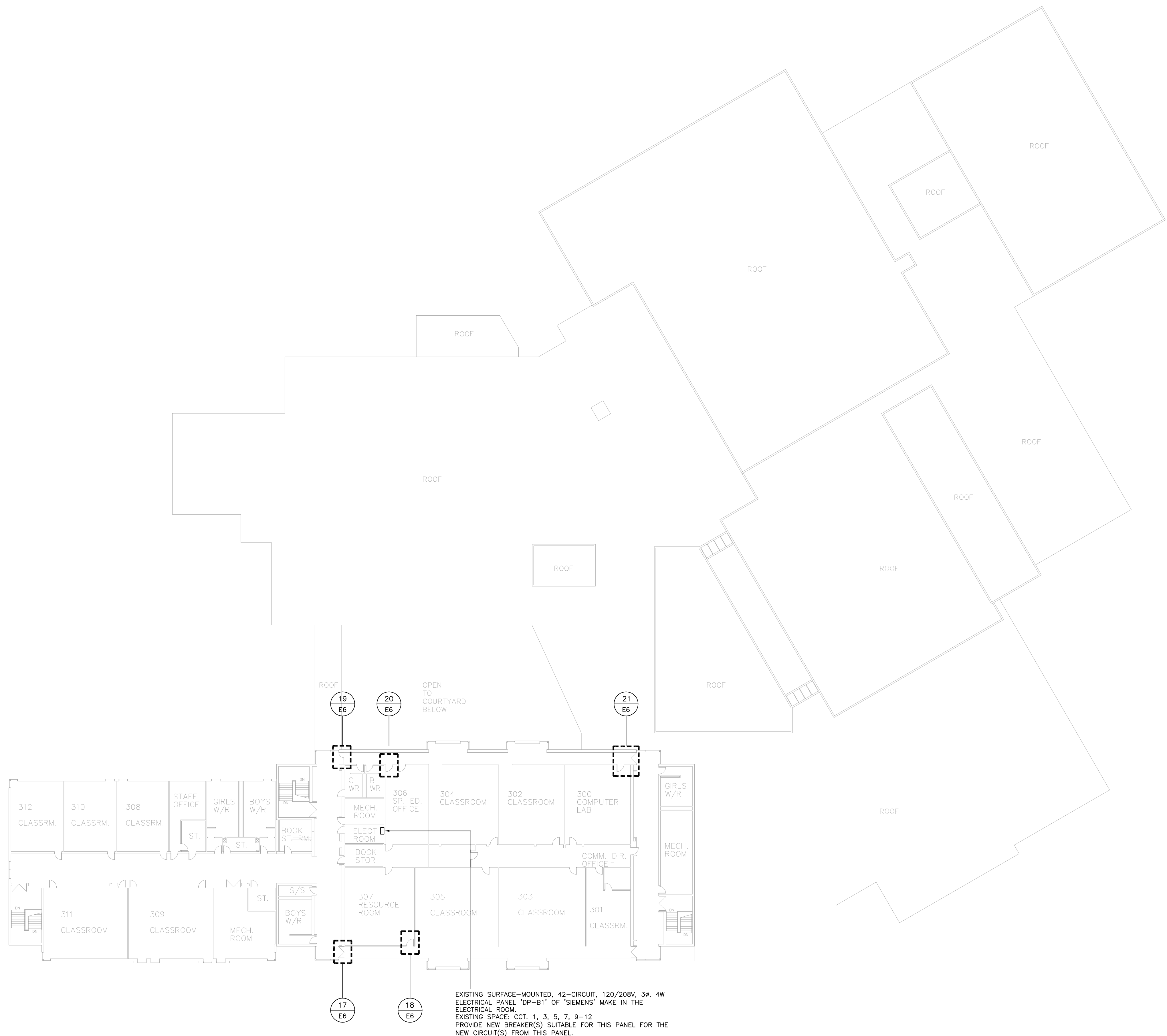
Sir Oliver Mowat
Collegiate Institute
5400 Lawrence Avenue
Toronto, Ontario, M1C 2C6

PROJECT

ACCESSIBILITY UPGRADES

DRAWING TITLE	
SECOND FLOOR KEY PLAN	
TDSB PROJECT No:	TR-25-XXXX
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
DRAWING BY:	RS
APPROVED BY:	SS

E3



1 THIRD FLOOR KEY PLAN
E4 SCALE: 1:300

CONSULTANTS LOGO

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ELECTRICAL
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COMMUNICATION
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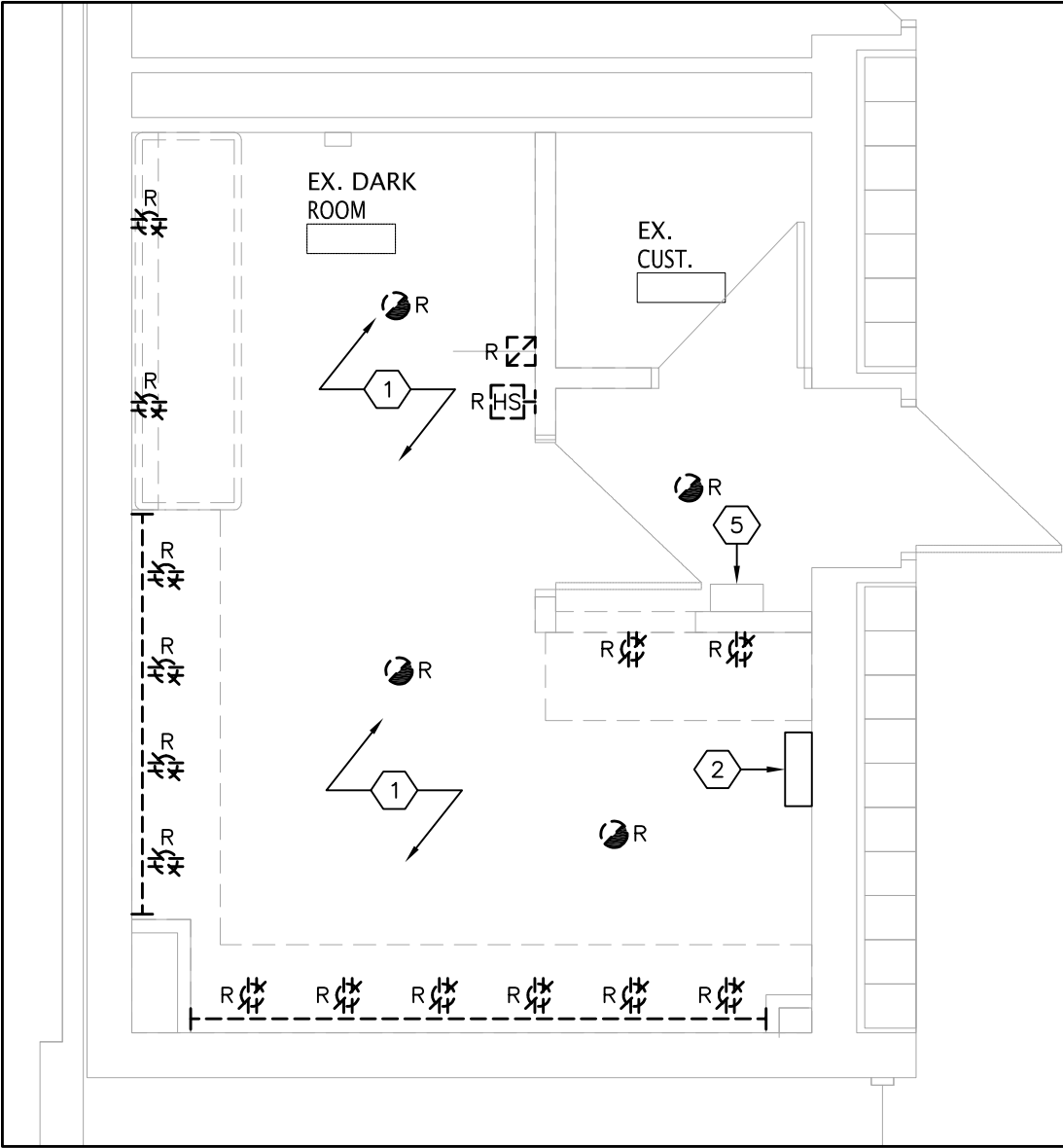
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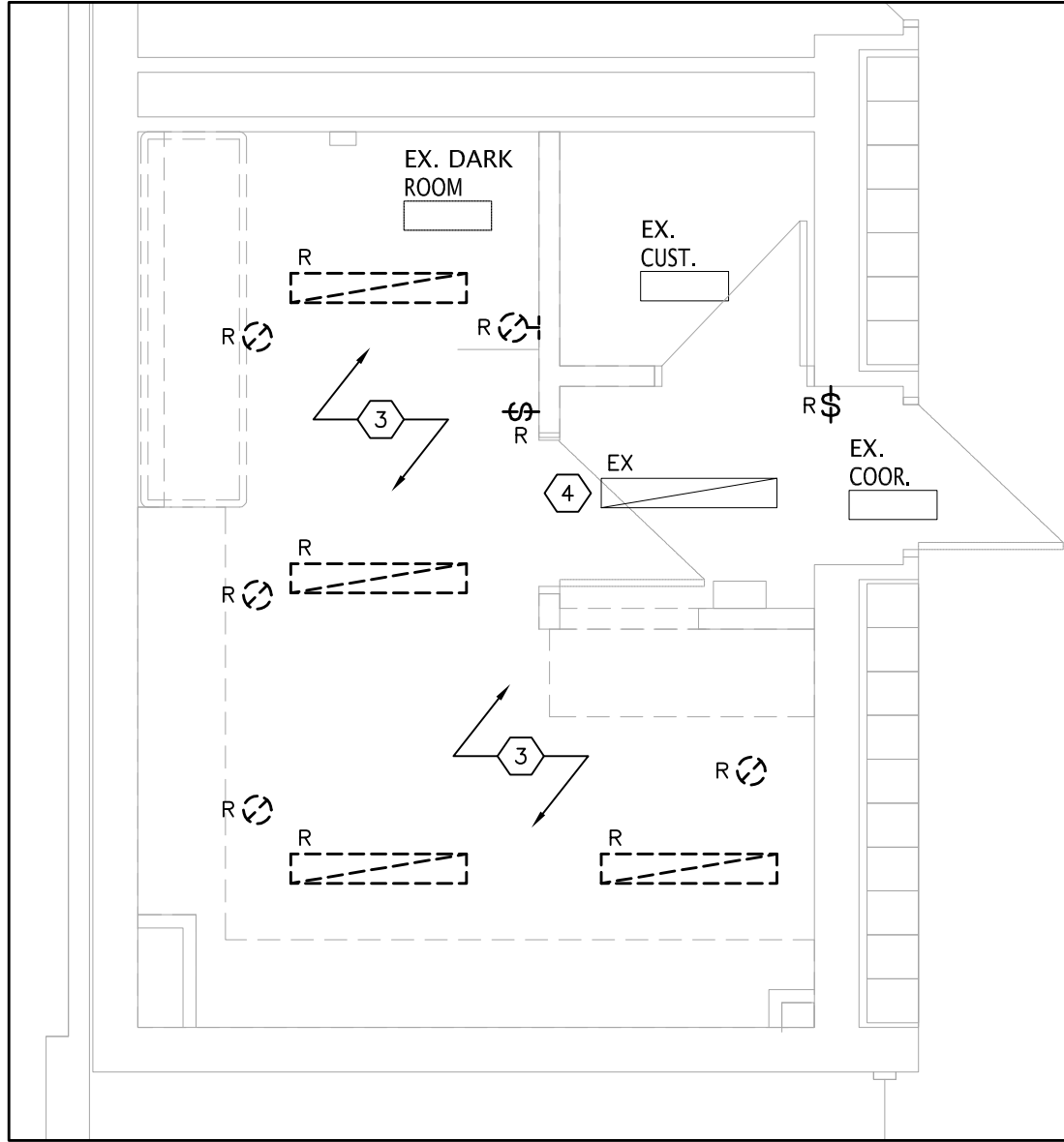


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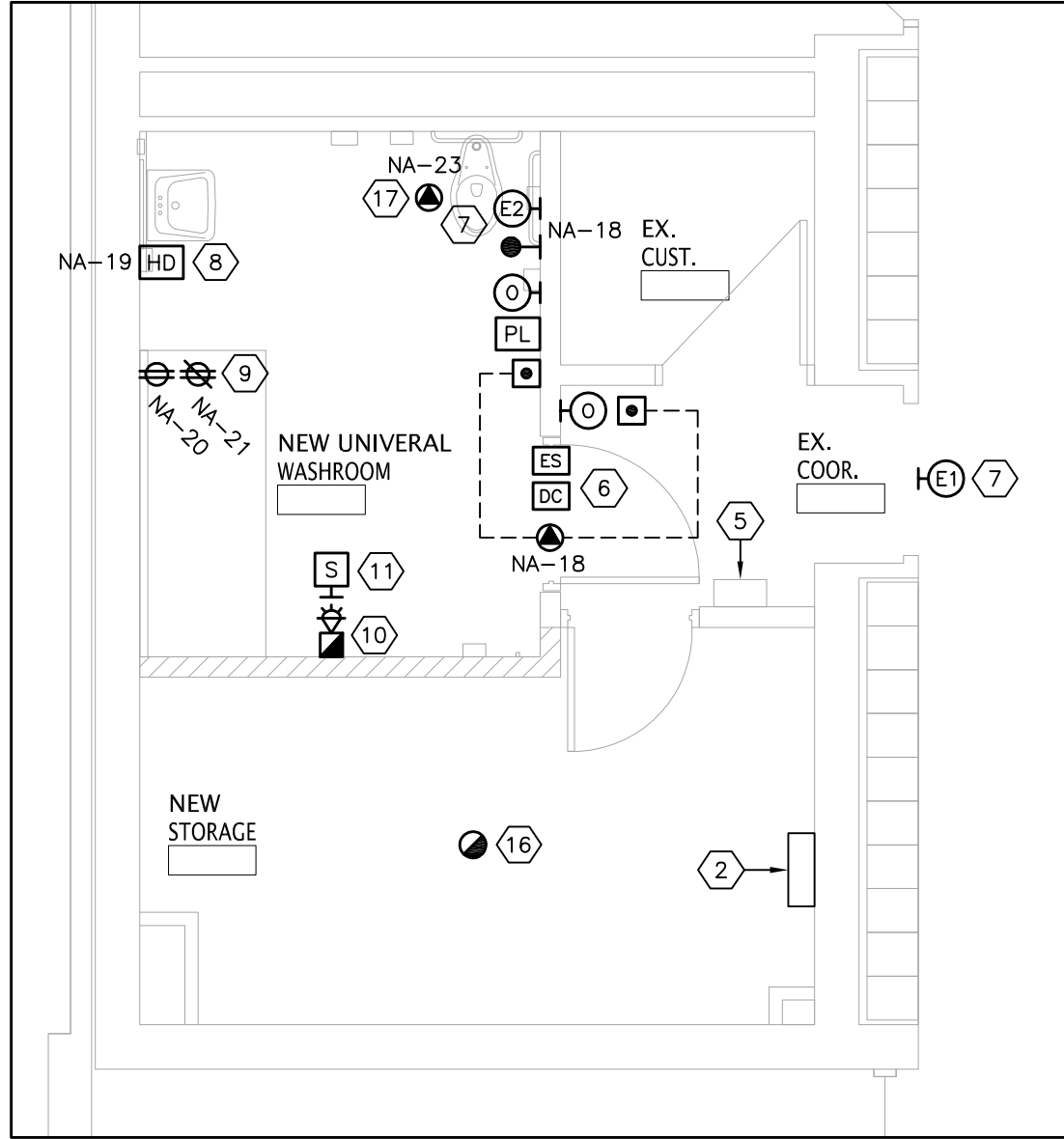
LOCATION	
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario, M1C 2C6	
PROJECT	
ACCESSIBILITY UPGRADES	
DRAWING TITLE	
THIRD FLOOR KEY PLAN	
TDSB PROJECT No:	TR-25-XXXX
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
DRAWING BY:	RS
APPROVED BY:	SS
DRAWING No	
E4	



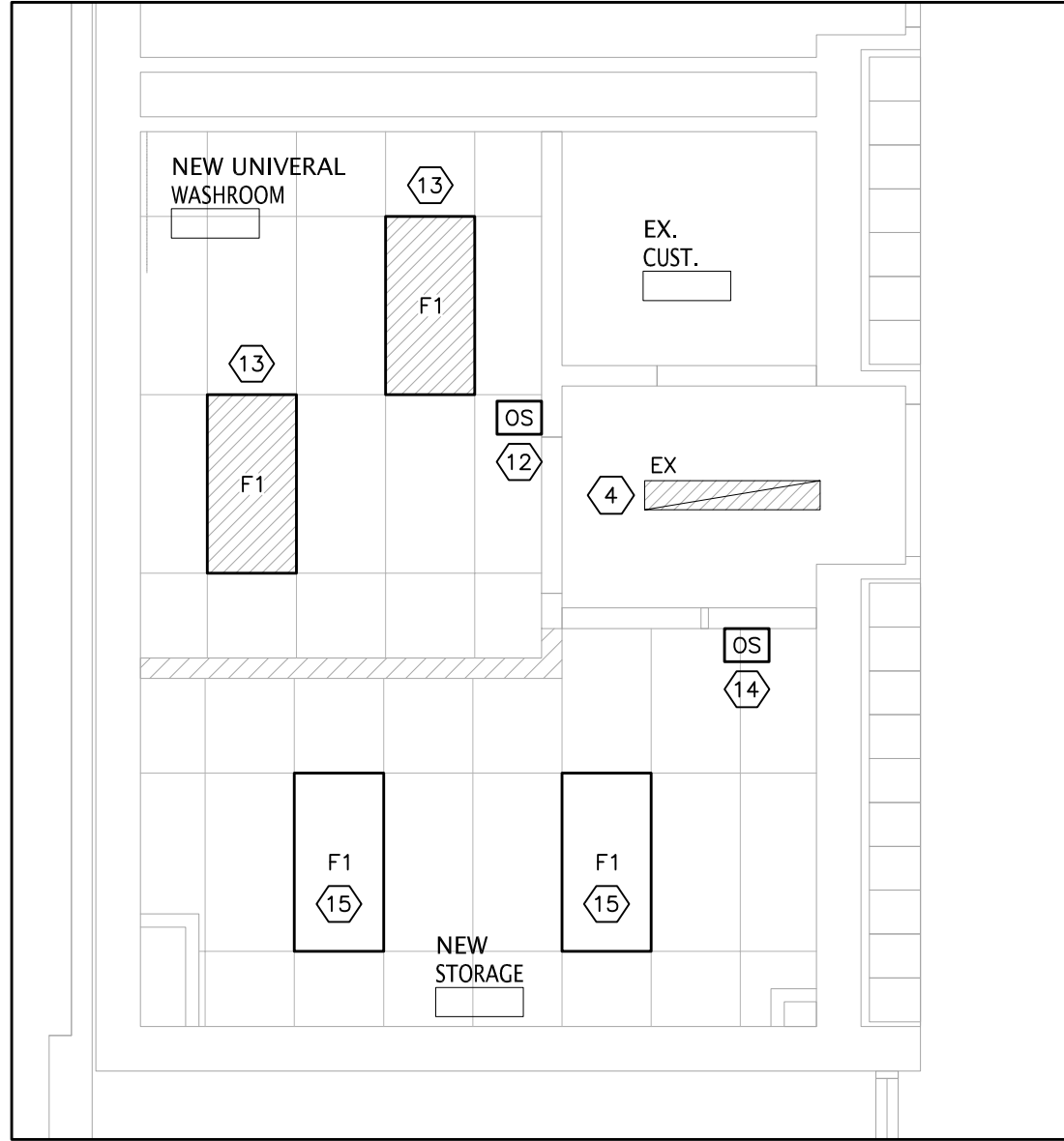
1 EXISTING POWER & SYSTEMS PLAN
E5 SCALE: 1:50



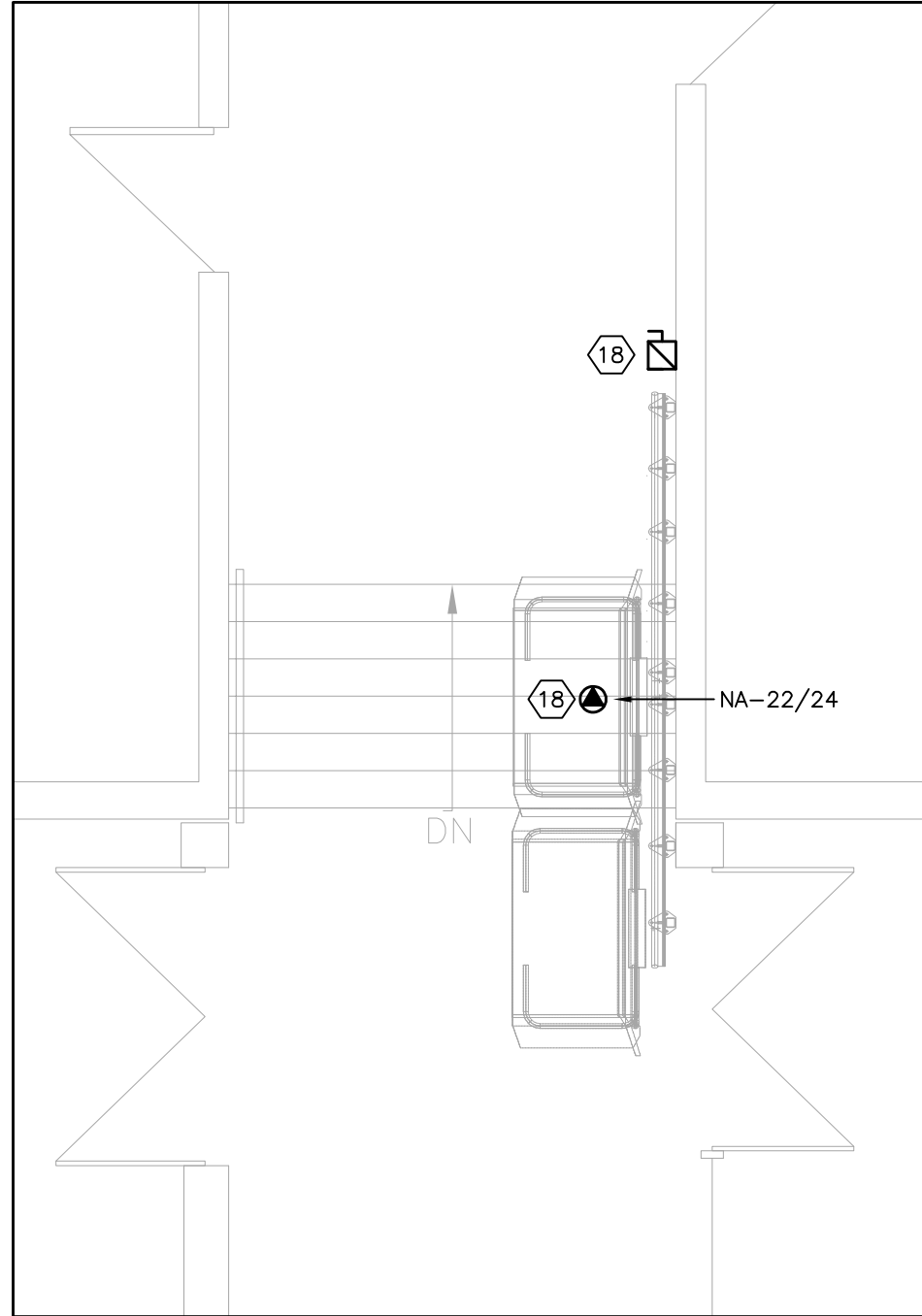
2 EXISTING LIGHTING PLAN
E5 SCALE: 1:50



3 NEW POWER & SYSTEMS PLAN
E5 SCALE: 1:50



4 NEW LIGHTING PLAN
E5 SCALE: 1:50



5 NEW STAIR LIFT
E5 SCALE: 1:50

DRAWING NOTES:

- REMOVE ('R') ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT WITHIN THE EXISTING AREA OF WORK. REMOVE ALL REDUNDANT WIRING/RACEWAYS TO THE SOURCE(S).
- RELOCATE THE EXISTING ELECTRIC FORCED FLOW HEATER TO THE NEW STORAGE ROOM. EXTEND WIRING/RACEWAYS AS REQUIRED.
- REMOVE ('R') THE EXISTING LIGHT FIXTURES AND LIGHT SWITCHES WITHIN THE EXISTING AREA OF WORK. REMOVE ALL REDUNDANT WIRING/RACEWAYS TO THE SOURCE(S). RETAIN THE EXISTING LIGHTING CIRCUIT FOR THE NEW UNIVERSAL WASHROOM LIGHTING.
- REWIRE THE EXISTING LIGHT FIXTURE TO BE CONNECTED TO THE EXISTING EMERGENCY LIGHTING CIRCUIT (BACKED BY THE GENERATOR) SERVING THE AREA.
- EXISTING SURFACE-MOUNTED, 30-CIRCUIT, 120/208V, 3Ø, 4W ELECTRICAL PANEL 'DR' OR 'FEDERAL PIONEER' MAKE. EXISTING SPACES: CCT. 16, 18-30. PROVIDE NEW BREAKERS FOR ALL NEW CIRCUITS FROM THIS PANEL.
- PROVIDE 120V POWER CONNECTION TO HEADER OF FRAME/POWER SUPPLIES AND RUN LOW VOLTAGE WIRING TO THE TWO (2) PUSH BUTTONS, ONE (1) PUSH TO LOCK BUTTON, "OCCUPIED WHEN LIT" LED ANNUNCIATOR, ELECTRIC STRIKE AND MAGNETIC DOOR CONTACT. LOCATION OF DEVICES SHALL BE AS SHOWN ON ARCHITECTURAL DRAWINGS. "OCCUPIED WHEN LIT" ANNUNCIATOR SHALL BE LOCATED IN CLOSE PROXIMITY AS THE DOOR OPERATOR PUSH BUTTON. THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM. TIE TO THE FIRE ALARM SYSTEM/FIRE ALARM CONTROL PANEL. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.
- PROVIDE A NEW CALL-FOR-ASSISTANCE SYSTEM C/W AUDIBLE/VISUAL INDICATOR OUTSIDE OF THE WASHROOM. AUDIBLE/VISUAL INDICATOR INSIDE THE MAIN OFFICE (EXACT LOCATION TO BE ADVISED ON SITE BY THE PRINCIPAL PRIOR TO ROUGH-IN); VISUAL INDICATOR INSIDE THE WASHROOM; AND AN EMERGENCY PUSH BUTTON TIED TO THE INDICATORS C/W SIGNAGE PER OBC. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS OF DEVICES. CONNECT POWER SUPPLY TO CIRCUIT #NA-7. PROVIDE A LAMACOID LABEL WITH 1" TEXT WITH THE WASHROOM ROOM NUMBER ABOVE THE INDICATOR IN THE MAIN OFFICE. SUPPLY AND INSTALLATION OF THE RESTROOM EMERGENCY CALL-FOR-ASSISTANCE SYSTEM SHALL BE BY DIVISION 26. PROVIDE WIRING BETWEEN THE SYSTEM AND THE DOOR OPERATOR SUCH THAT ACTUATION OF THE CALL-FOR-ASSISTANCE SYSTEM UNLOCKS THE UNIVERSAL WASHROOM DOOR. COORDINATE SEQUENCING WITH THE DOOR OPERATOR INSTALLER. SYSTEM SHALL BE CAMDEN CX-WEC10K2 SERIES OR EQUAL.
- SUPPLY AND INSTALL A NEW ELECTRIC HAND DRYER (EXTREME AIR GXT9-SS) IN THE NEW WASHROOM. PROVIDE A NEW 20A-1P, GFI BREAKER FOR THE HAND DRYER.
- PROVIDE ONE (1) RECEPTACLE 12" AFF AND ONE (1) RECEPTACLE 12" BELOW THE CEILING FOR THE NEW CHANGE TABLE AND LIFT, RESPECTIVELY.
- PROVIDE A NEW FIRE ALARM HORN/STROBE AS SHOWN. INSTALL AS PER CAN/ULC-SS24 AND VERIFY AS PER CAN/ULC-SS37. PROVIDE A POLYCARBONATE COVER (OR ALTERNATE MASKING METHOD) TO REDUCE AUDIBILITY IF REQUIRED TO CODE-COMPLIANT LEVELS.
- PROVIDE A NEW P.A. SPEAKER; CONNECT TO THE EXISTING CORRIDOR P.A. ZONE.
- PROVIDE A NEW OCCUPANCY SENSOR (TYPE 'S1') IN THE NEW UNIVERSAL WASHROOM AS SHOWN. SENSOR SHALL CONTROL THE NEW LIGHTING AND EXHAUST FAN.
SENSOR SHALL BE ACUTY nWSX-PDT-WH-347V OR APPROVED EQUAL C/W 1 X NORMAL nPP16-D POWER PACK AND AN EMERGENCY LIGHTING RELAY POWER PACK TO CONTROL THE EMERGENCY LIGHTING.
- PROVIDE A NEW LIGHT FIXTURE (TYPE 'F1') IN THE NEW UNIVERSAL WASHROOM AS SHOWN. CONNECT TO THE EXISTING EMERGENCY LIGHTING CIRCUIT BACKED BY THE GENERATOR SERVING THE AREA. SAFETY CHAIN THE LIGHT FIXTURE TO THE BUILDING STRUCTURE. LIGHT SHALL BE CONTROLLED BY THE NEW OCCUPANCY SENSOR.
FIXTURE SHALL BE LITHONIA 20TL4-40L-A12125-G210-347V-LP840 OR APPROVED EQUAL (SITE VERIFY LIGHTING CIRCUIT VOLTAGE AND ORDER ACCORDINGLY).
- PROVIDE A NEW OCCUPANCY SENSOR (TYPE 'S1') IN THE NEW STORAGE ROOM AS SHOWN. SENSOR SHALL CONTROL THE NEW LIGHTING.
SENSOR SHALL BE ACUTY nWSX-PDT-WH-347V OR APPROVED EQUAL C/W 1 X nPP16-D POWER PACK.
- PROVIDE A NEW LIGHT FIXTURE (TYPE 'F1') IN THE NEW STORAGE ROOM AS SHOWN. CONNECT TO THE EXISTING LIGHTING CIRCUIT SERVING THE DEMOLISHED LIGHTING. SAFETY CHAIN EACH LIGHT FIXTURE TO THE BUILDING STRUCTURE. LIGHT SHALL BE CONTROLLED BY THE NEW OCCUPANCY SENSOR.
FIXTURE SHALL BE LITHONIA 20TL4-40L-A12125-G210-347V-LP840 OR APPROVED EQUAL (SITE VERIFY LIGHTING CIRCUIT VOLTAGE AND ORDER ACCORDINGLY).
- PROVIDE A NEW HEAT DETECTOR IN THE STORAGE ROOM; CONNECT TO THE EXISTING INITIATING ZONE SERVING THE AREA.
- PROVIDE 120V/1Ø POWER CONNECTION TO THE NEW EXHAUST FAN. FAN SHALL BE CONTROLLED BY THE NEW OCCUPANCY SENSOR SERVING THE WASHROOM.
- PROVIDE 208V/1Ø POWER CONNECTION TO THE NEW CHAIR LIFT. PROVIDE NEW WIRING/RACEWAYS TO THE CALL STATIONS AT THE UPPER AND LOWER LANDING LEVEL. PROVIDE WIRING IN ACCORDANCE WITH THE MANUFACTURER'S WIRING DIAGRAM. PROVIDE A NEW LOCAL DISCONNECT SWITCH C/W AUXILIARY CONTACTS IN ACCORDANCE WITH THE CHAIR LIFT MANUFACTURER'S SPECIFICATIONS; LOCATE AS DIRECTED BY THE CHAIR LIFT MANUFACTURER. CONNECT TO THE CIRCUIT NOTED.

CONSULTANTS LOGO

SURI & ASSOCIATES LTD.
ENGINEERING CONSULTANTS

1022 WHITE CLOVER WAY
MISSISSAUGA, ONTARIO
L5V 1C8
T (905)-290-7861
F (289)-327-3420

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1	MAR. 25/26	ISSUED FOR 85% REVIEW
No.	DATE	DESCRIPTION

STAMP	NORTH

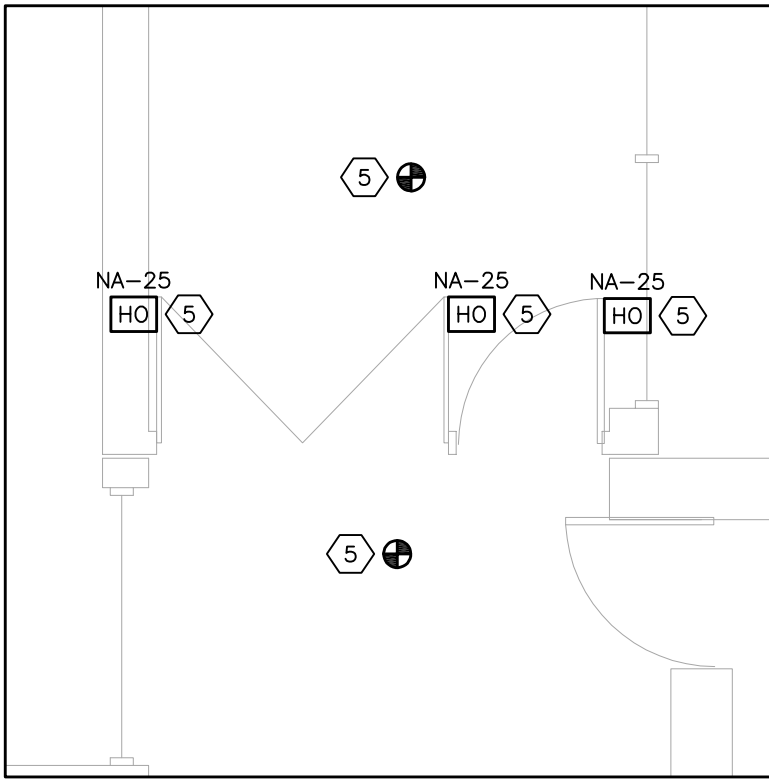


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t. 416-395-4588 / f. 416-395-9734

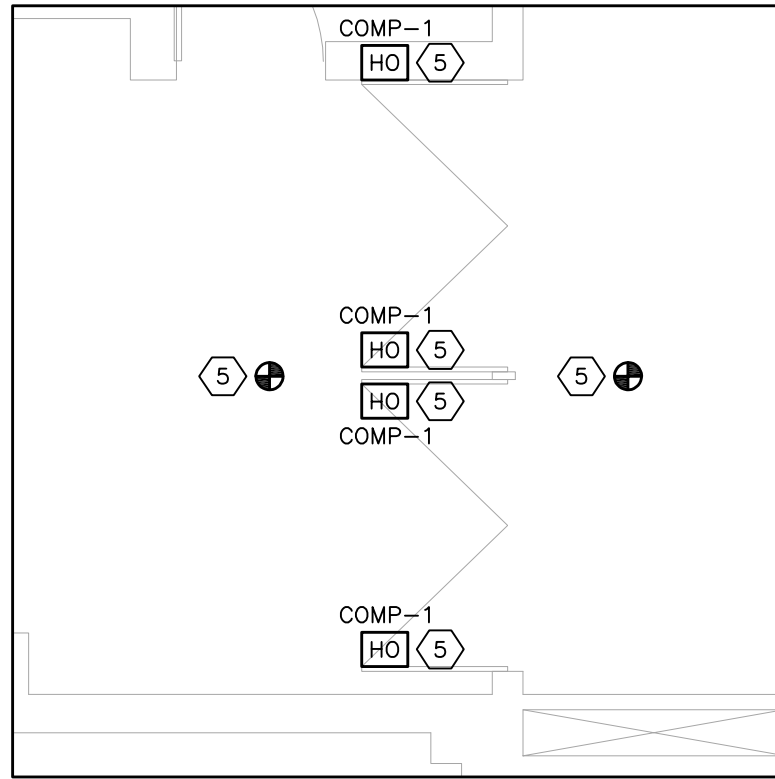
LOCATION
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario. M1C 2C6

PROJECT
ACCESSIBILITY UPGRADES

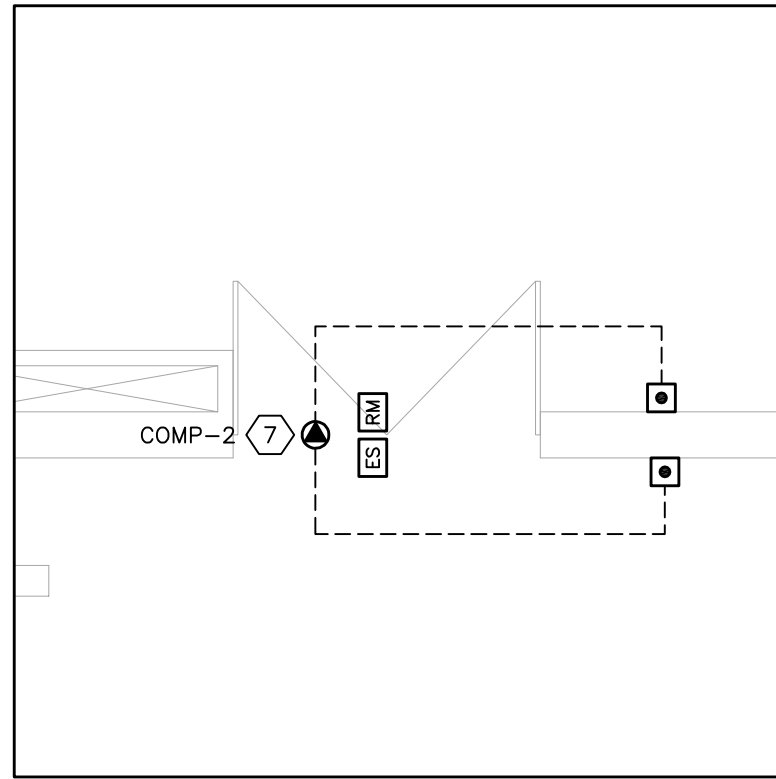
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ELECTRICAL PART PLANS		
TDSB PROJECT No:		DRAWING
TR-25-XXXX		
DATE:	FEBRUARY 2026	
SCALE:	AS NOTED	
DRAWING BY:	RS	
APPROVED BY:	SS	E5



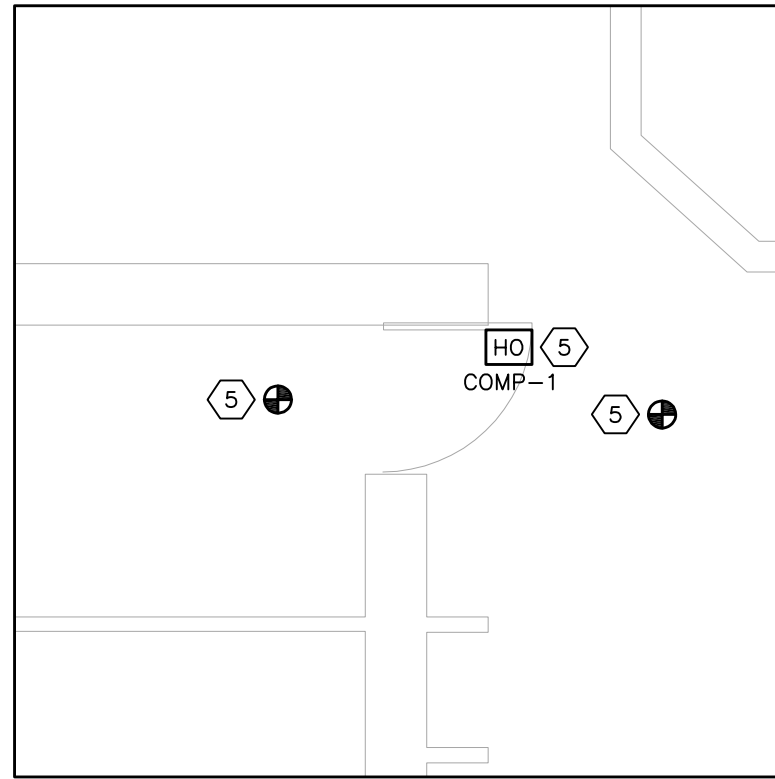
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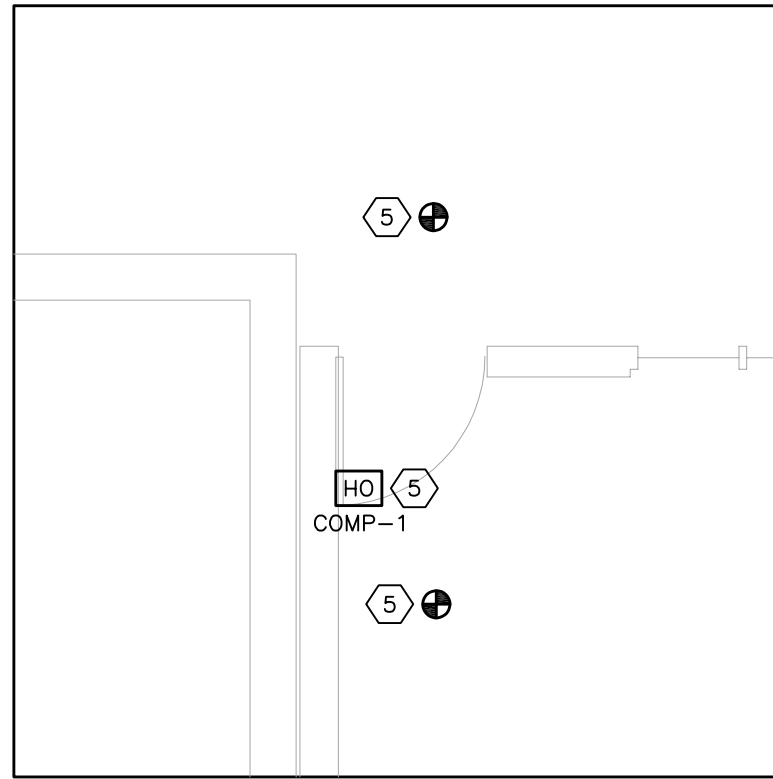
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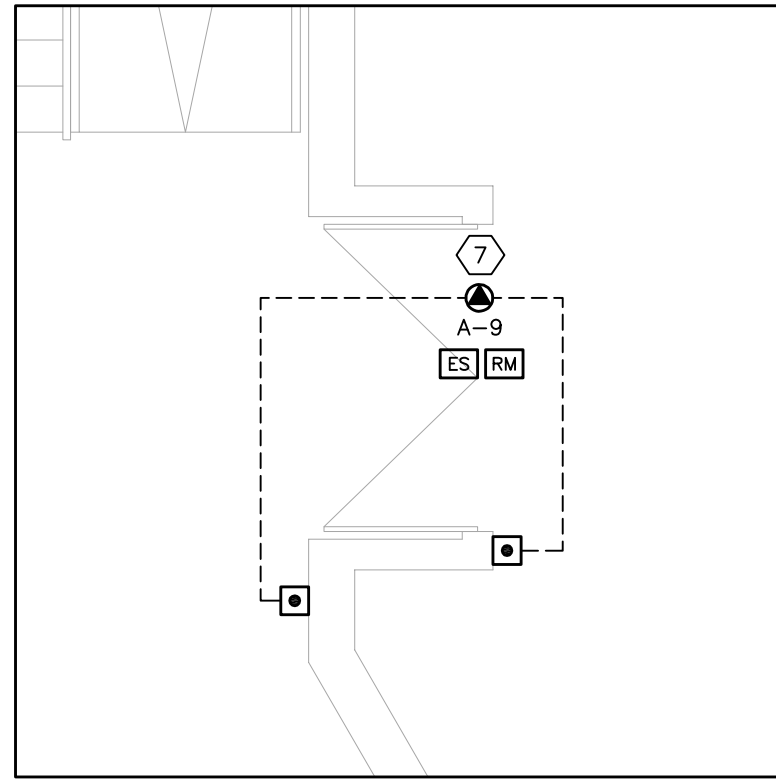
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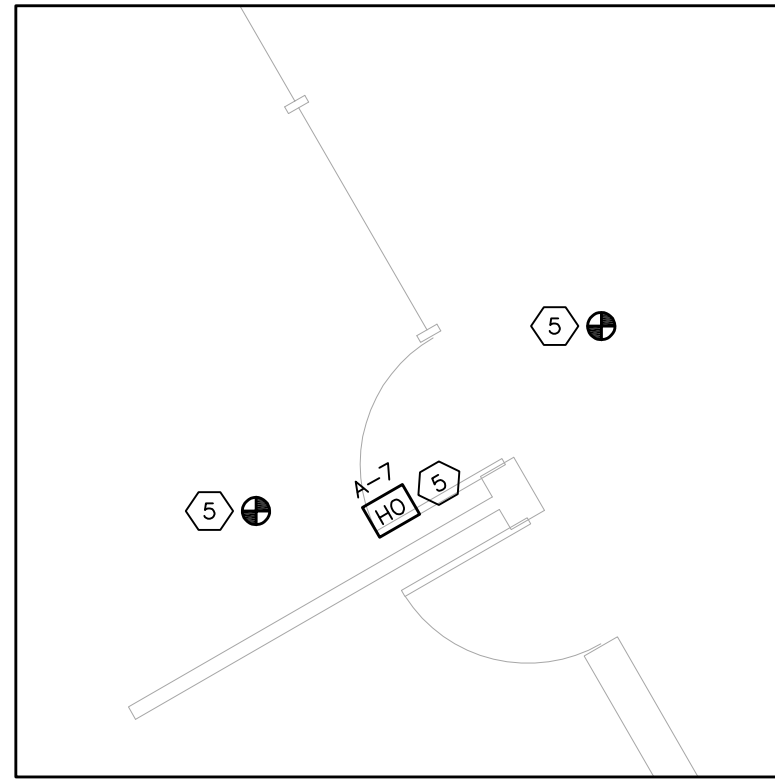
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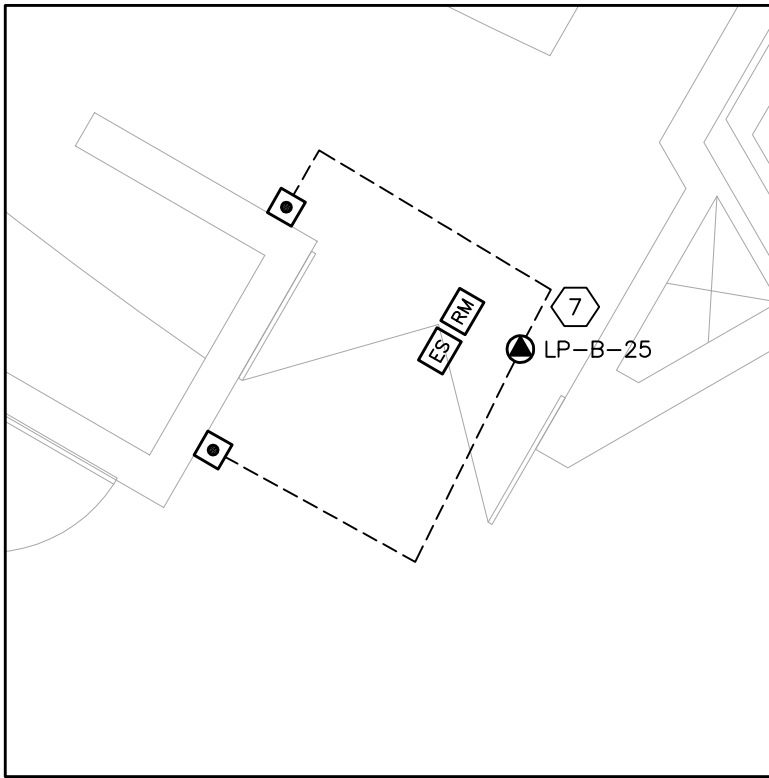
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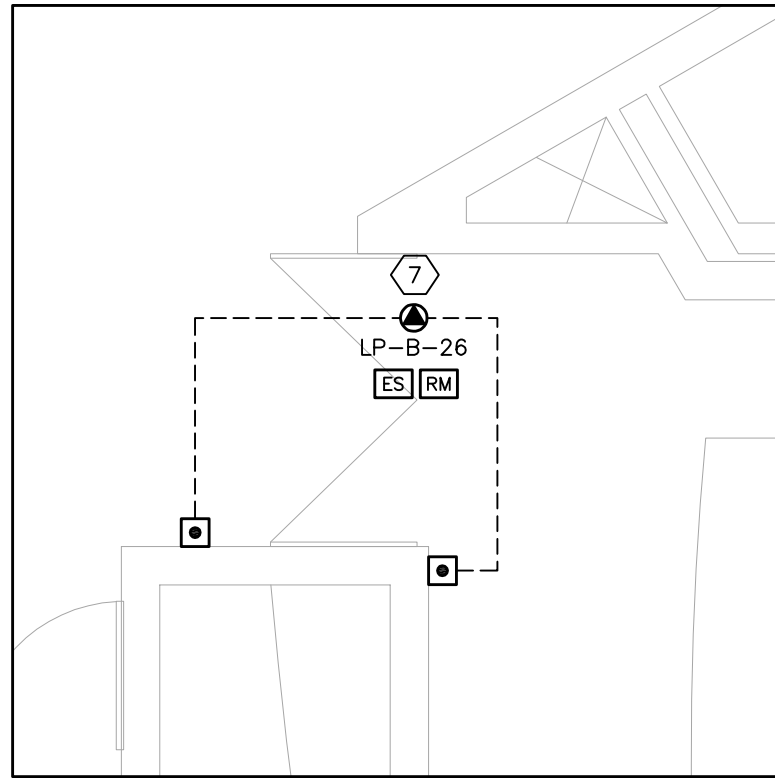
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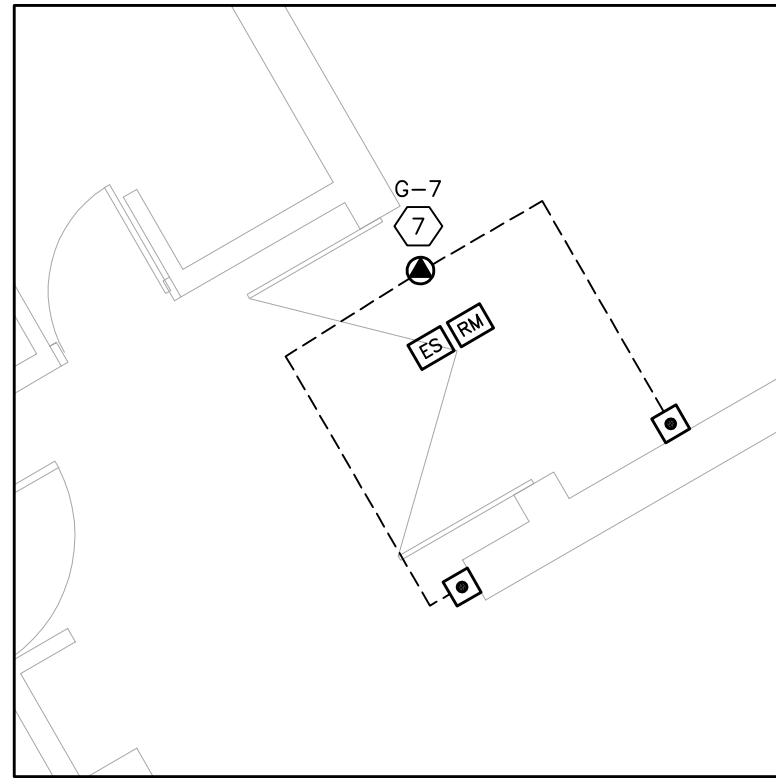
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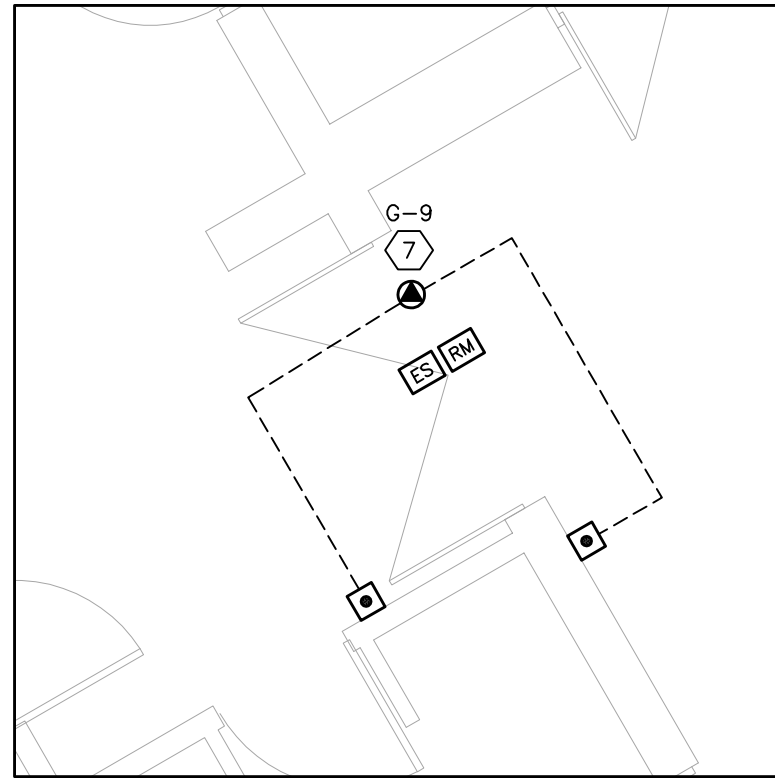
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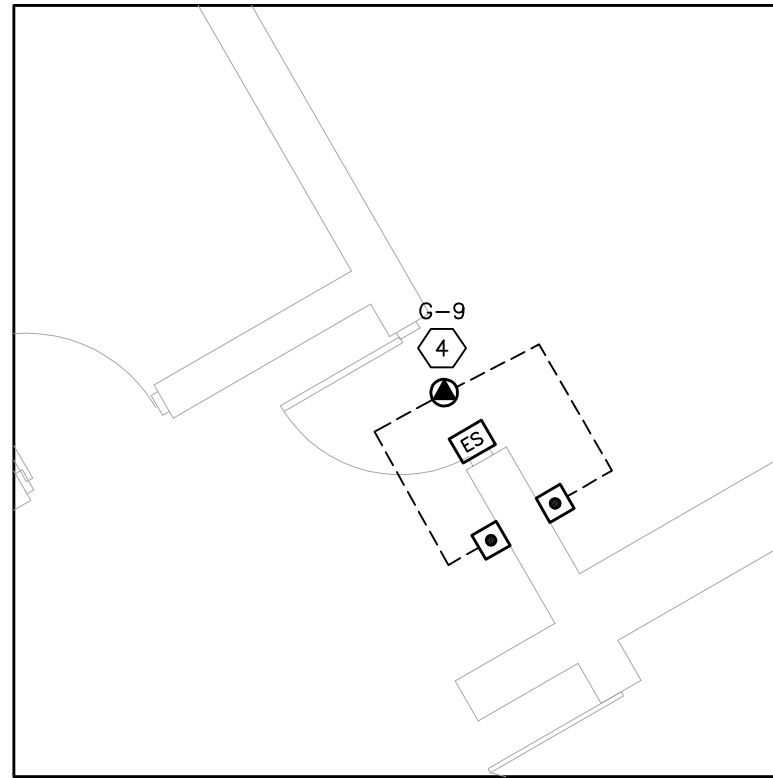
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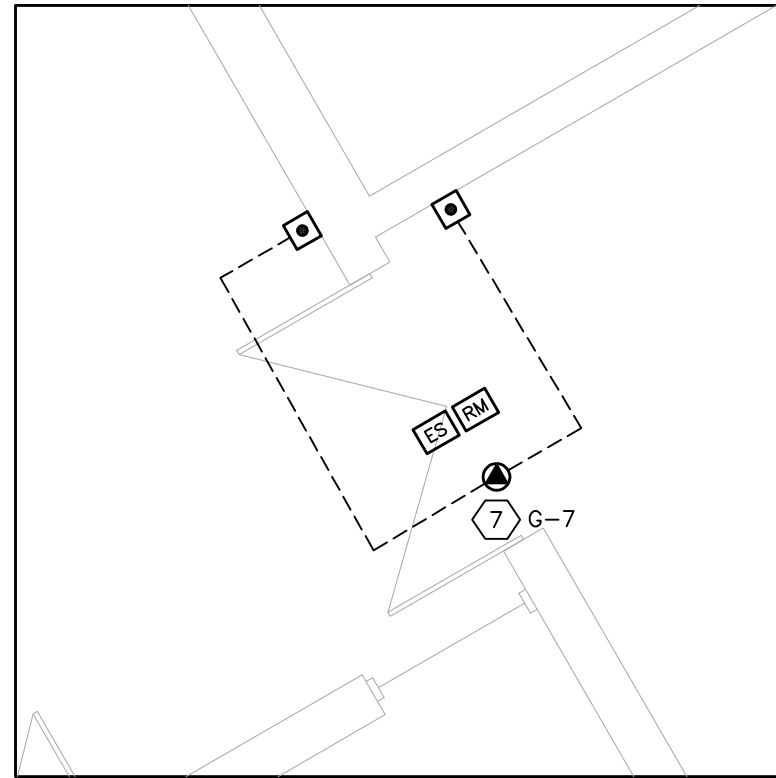
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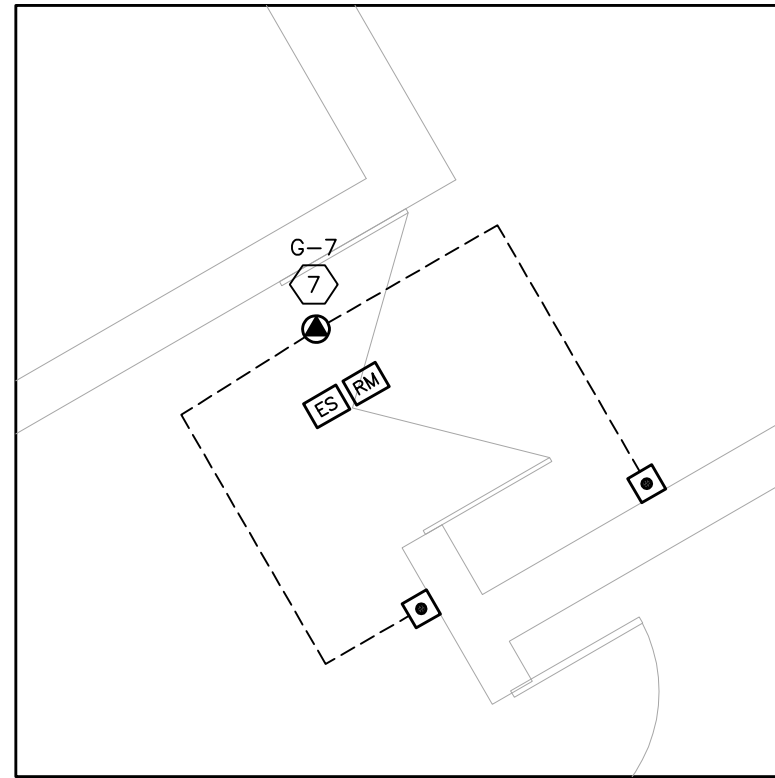
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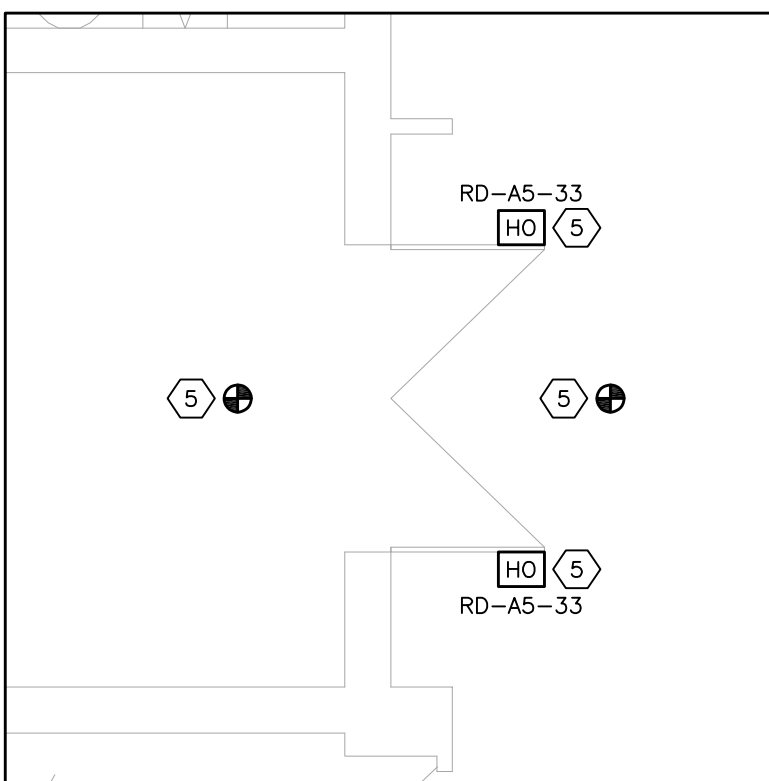
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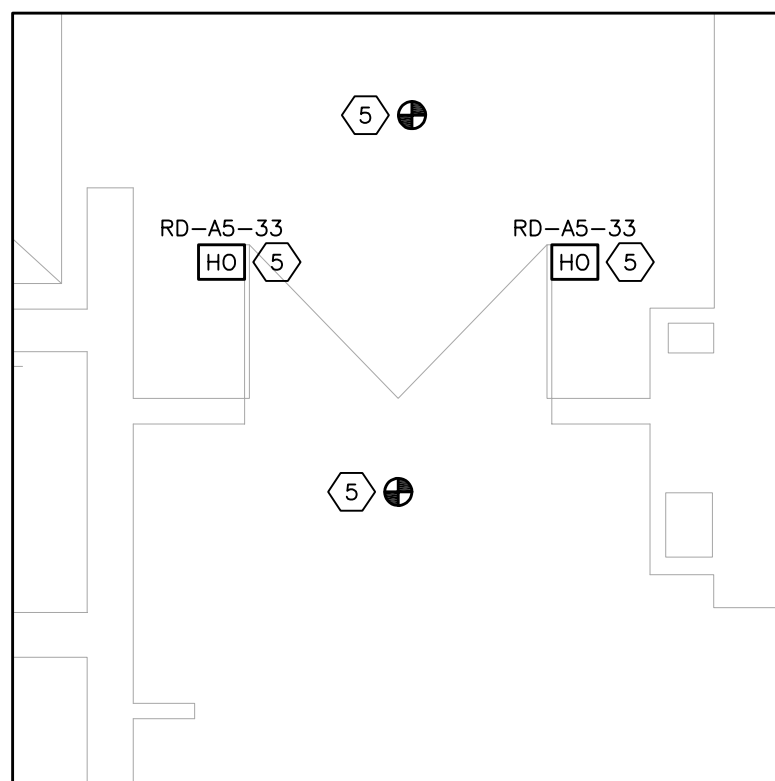
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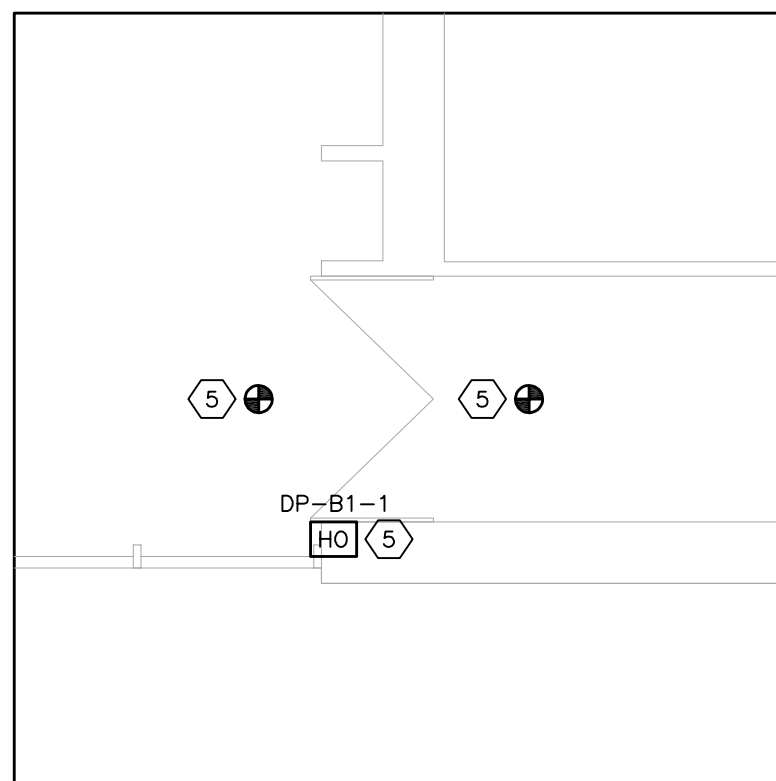
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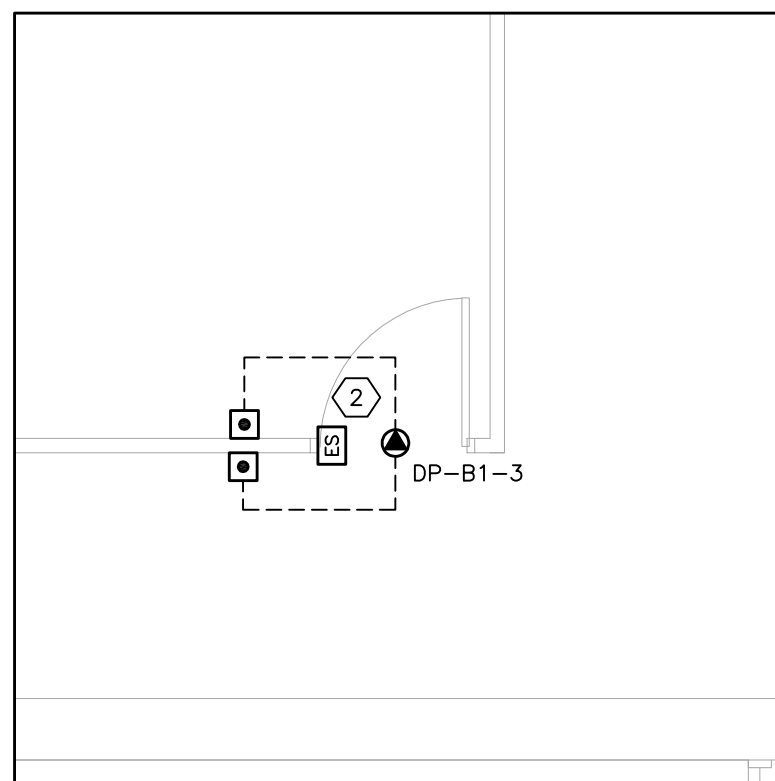
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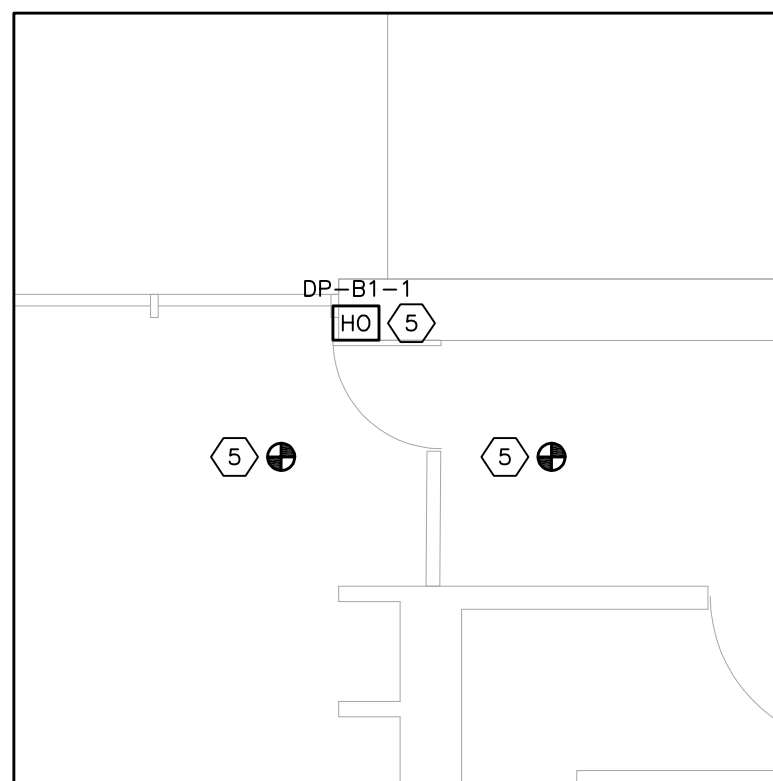
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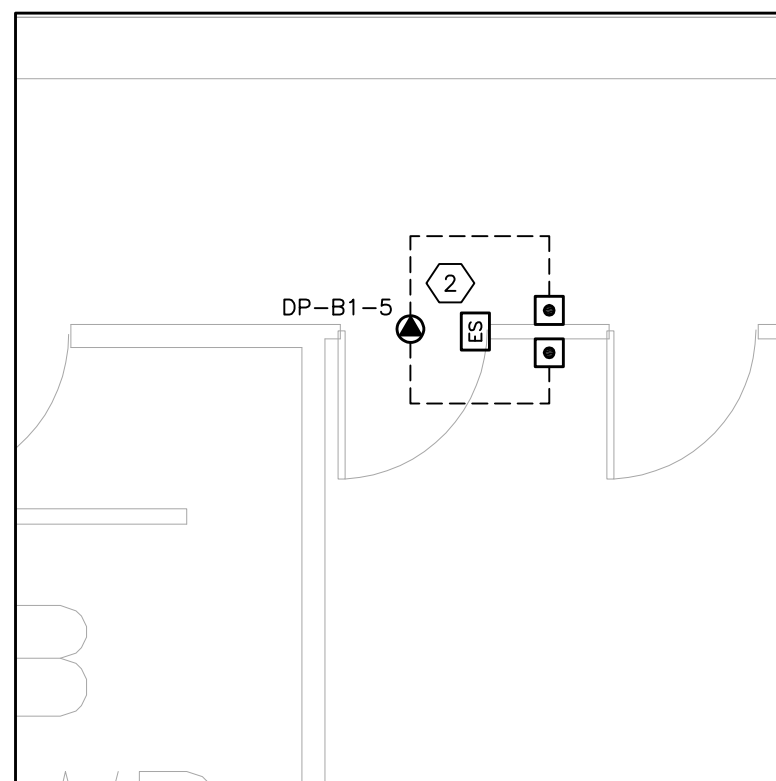
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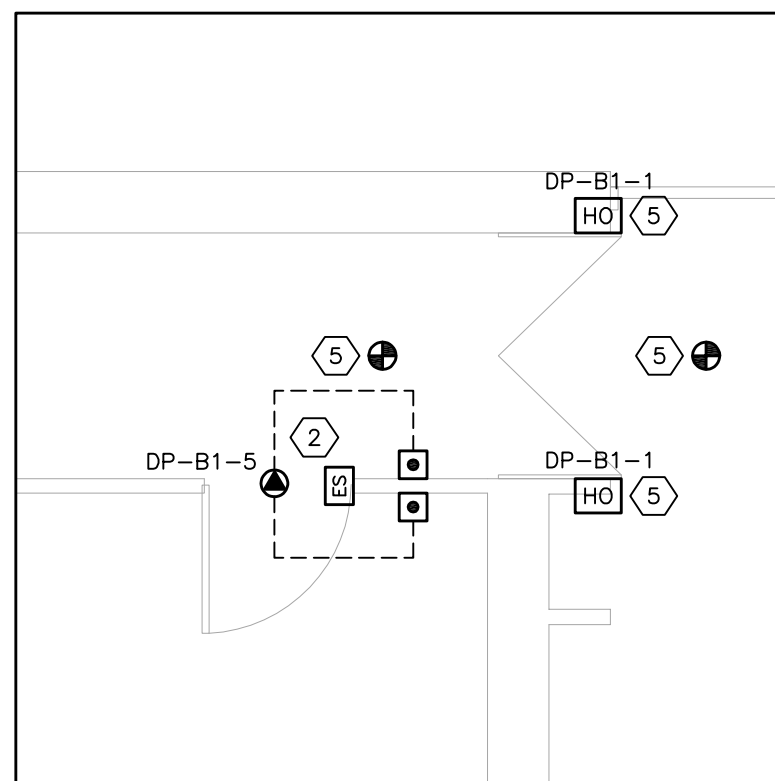
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E5 SCALE: 1:50



20 ELECTRICAL PART PLAN
E5 SCALE: 1:50



21 ELECTRICAL PART PLAN
E5 SCALE: 1:50

DRAWING NOTES:

- 1 PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM.
- 2 PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS AND ELECTRIC STRIKE FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM.
- 3 PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM. THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM. TIE TO THE FIRE ALARM SYSTEM/FIRE ALARM CONTROL PANEL. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.
- 4 PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS AND ELECTRIC STRIKE FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM. THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM. TIE TO THE FIRE ALARM SYSTEM/FIRE ALARM CONTROL PANEL. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.
- 5 PROVIDE 120V POWER CONNECTION TO THE NEW HOLD OPEN DEVICE POWER SUPPLY. CONNECT TO THE CIRCUIT NOTED. TIE THE CLOSER(S) TO THE FIRE ALARM SYSTEM TO CLOSE UPON A LOCAL OR GENERAL ALARM ON THE FIRE ALARM SYSTEM. PROVIDE SMOKE DETECTORS TIED TO THE FIRE ALARM SYSTEM ON BOTH SIDES OF THE DOOR(S). LOCATE WITHIN 1500mm OF THE DOOR OPENING; INSTALL AS PER CAN/ULC-S524. CONNECT THE SMOKE DETECTORS TO THE FIRE ALARM ZONE SERVING THE RESPECTIVE LOCATION OF INSTALLATION. VERIFY ALL DEVICES AS PER CAN/ULC-S537. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.
- 6 PROVIDE 120V POWER CONNECTION TO THE DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE WIRING AND RACEWAYS TO THE TWO (2) ACTUATOR BUTTONS AND REMOVABLE ELECTRIFIED MULLION STRIKE FOR A COMPLETE AND OPERATIONAL DOOR OPERATOR SYSTEM. THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM. TIE TO THE FIRE ALARM SYSTEM/FIRE ALARM CONTROL PANEL. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.
- 7 PROVIDE 120V POWER CONNECTION TO THE NEW DOOR OPERATOR HEADER. CONNECT TO THE CIRCUIT NOTED. PROVIDE LOW-VOLTAGE WIRING TO THE NEW ACTUATOR BUTTONS AND REMOVABLE ELECTRIFIED MULLION ELECTRIC STRIKE. THE DOOR OPERATOR SHALL BE TIED TO THE FIRE ALARM SYSTEM TO DISABLE THE DOOR OPERATOR IN THE EVENT OF AN ALARM CONDITION ON THE FIRE ALARM SYSTEM. TIE TO THE FIRE ALARM SYSTEM/FIRE ALARM CONTROL PANEL. PROVIDE A NEW RELAY AND WIRING/RACEWAYS TO THE FIRE ALARM CONTROL PANEL. COMPLETE S1001 INTEGRATED TESTING AFTER COMPLETION OF WORK.

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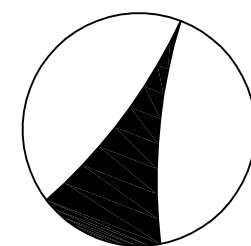
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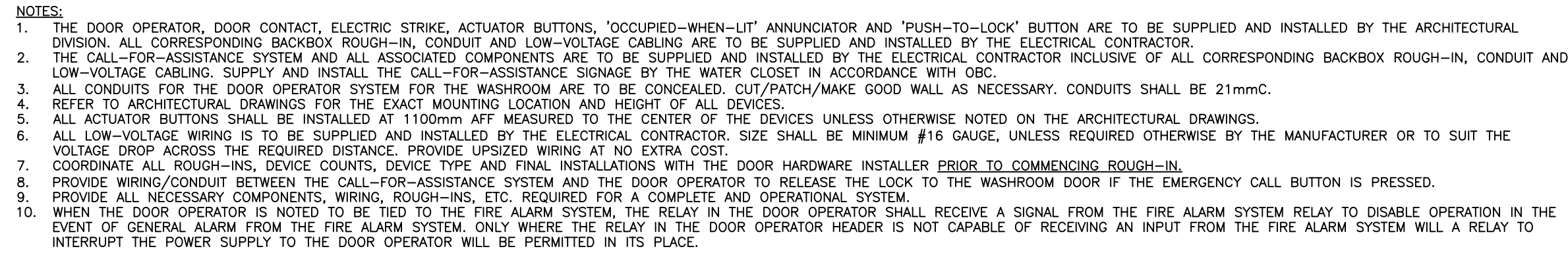
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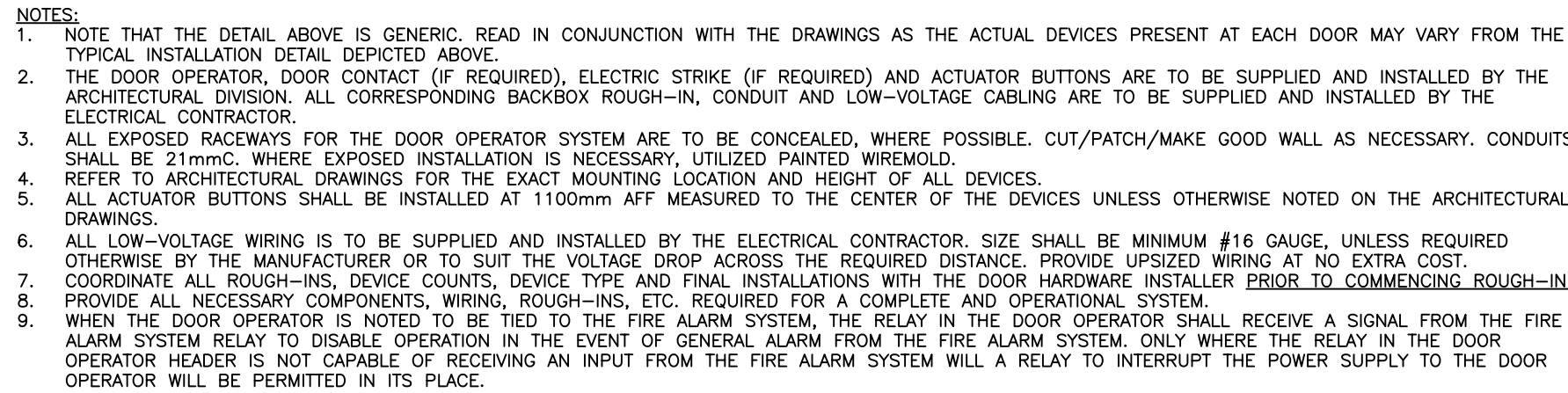
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LOCATION	
Sir Oliver Mowat Collegiate Institute 5400 Lawrence Avenue Toronto, Ontario, M1C 2C6	
PROJECT	
ACCESSIBILITY UPGRADES	
DRAWING TITLE	
ELECTRICAL PART PLANS	
TDSB PROJECT No:	TR-25-XXXX
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
DRAWING BY:	RS
APPROVED BY:	SS

E6



1	UNIVERSAL WASHROOM DOOR OPERATOR & EMERGENCY CALL-FOR-ASSISTANCE SYSTEM TYPICAL SCHEMATIC
E7	SCALE: N.T.S.



2 DOOR OPERATOR ELECTRICAL INSTALLATION TYPICAL SCHEMATIC
E7 SCALE: N.T.S.

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1022 WHITE CLOVER WAY
MISSISSAUGA, ONTARIO
L5V 1C8
T (905)-290-7861
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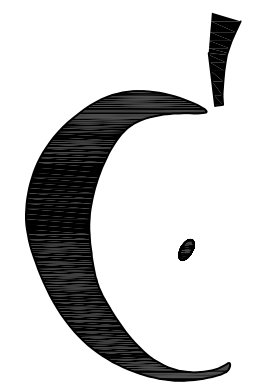
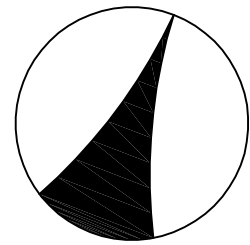
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LOCATION

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Toronto, Ontario. M1C 2C6

PROJECT

ACCESSIBILITY UPGRADES

DRAWING TITLE

SCHEDULES & SCHEMATICS

TDSB PROJECT No

DATE: FEBRUARY 2026

SCALE: AS NOTED

DRAWING BT: BS

APPROVED BY:

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