Accessibility Upgrades at Keele Street Junior Public School & Community Centre

99 Mountview Avenue
Toronto, Ontario
TDSB# TR-25-0957

LIST OF DRAWINGS

ARCHITECTURAL

A000	DRAWING LIST & OBC MATRIX
A201	KEY PLANS
A202	PART DEMOLITION PLANS
A203	PART FLOOR PLANS & SCHEDULES
A401	WALL SECTIONS

STRUCTURAL

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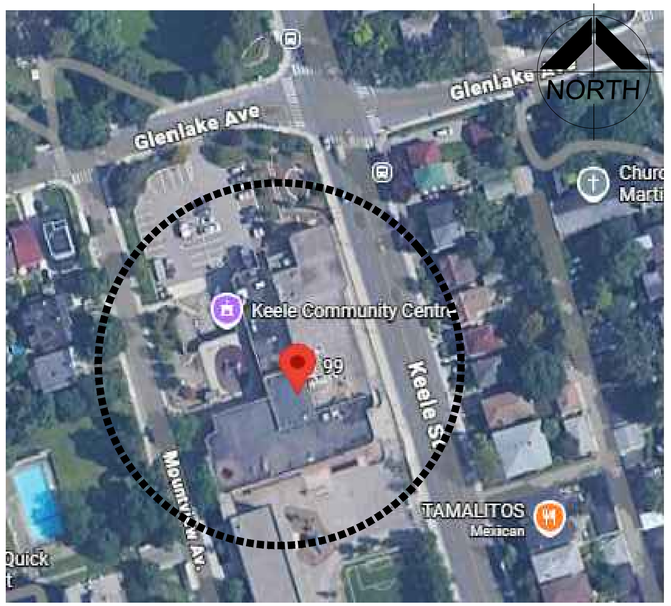
S201	PART FOUNDATION PLAN & TYPICAL DETAILS
S501	SECTIONS

MECHANICAL

M0-00	MECHANICAL LEGEND AND GENERAL DRAWING NOTES
M1-00	MECHANICAL KEY PLAN
M2-00	MECHANICAL PLAN

ELECTRICAL

E0-01	ELECTRICAL LEGEND, GENERAL NOTES, KEY PLAN AND DRAWING LIST
E1-01	ELECTRICAL PLANS



LOCATION PLAN
N.T.S.

NAME OF CONSULTANT : BARRY BRYAN ASSOCIATES
CERTIFICATE OF PRACTICE NUMBER : 5192
250 WATER STREET, SUITE 201
WHITBY, ONTARIO, CANADA. LIN 0G5
TEL : (905) - 666 - 5252
(Toronto) (905) - 427 - 4495
FAX : (905) - 666 - 5256

NAME OF PROJECT :
Accessibility Upgrades at Keele Street Junior Public School & Community Centre

LOCATION OF PROJECT :
99 Mountview Avenue
Toronto, Ontario
DATE :
APRIL 2026

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Ontario Building Code Data Matrix
Part 11 - Renovation of Existing Building

			OBC Reference
11.00	Building Code Version:	O. Reg. 163/24 Last Amendment: O. Reg. 447/24	
11.01	Project Type:	☐ Addition ☑ Renovation ☐ Addition and Renovation ☐ Change of use Description ACCESSIBILITY UPGRADES	[A] 1.3.3.3B
11.02	Major Occupancy Classification:	Occupancy: GROUP A2; - ; - — Use: INSTITUTIONAL (SCHOOL); - ; -	3.1.2.1.(1), 2.1.4.1.(1) 10.1.1.2. and 11.2.1.
11.03	Superimposed Major Occupancies:	☐ Yes ☑ No Description -	11.2, 3.2.2.5 to 3.2.2.8 and 2.2.1
11.04	Building Area (m²) (NO CHANGE)	Description: BUILDING AREA; - ; - — Existing: 3386.5; - ; - — New: -; -; - — Total: 3386.5; -; - Total= 3386.5 - 3386.5	[A] 1.4.1.2., 11.2 and 11.3
11.05	Building Height (NO CHANGE)	3 Storeys above grade; - Storeys below grade — 10.57 (m) Above grade	[A] 1.4.1.2, 3.2.1.1, 2.2.2.2 and 11.3
11.06	Number of streets/ fire fighter access:	No change street(s)	3.2.2.10, 3.2.5, 2.2.4.1 and 11.3
11.07	Building Size: (NO CHANGE)	☐ Small ☐ Medium ☑ Large ☐ > Large	11.2.1.1 and T.11.2.1.1.B.-N.
11.08	Existing Building Classification:	Change in Major Occupancy: ☐ Yes ☑ Not Applicable (no change of major occupancy) Construction Index: 4 Hazard Index: 6 Importance Category: ☐ Low ☐ Normal ☑ High ☐ Post-disaster	10.1.1.2, 11.2.1.1 T11.2.1.1A T11.2.1.1B to N, 4.1.2.1(3), 2.3.1 & 5.2.2.1.(2)
11.09	Renovation Type:	☑ Basic Renovation ☐ Extensive Renovation	11.3.3.1 & 11.3.3.2
11.10	Occupant Load: (NO CHANGE)	Floor Level/ Area; - ; - — Occupancy Type; - ; - — Based On; - ; - — Occup. Load (persons); - ; -	3.1.17, 2.1.2.2 and 11.4.2.2.
11.11a	Plumbing Fixture Requirements: (NO CHANGE)	Ratio: Male/Female = 50:50 Except as noted otherwise Floor level/ Area — Occupant Load — OBC Reference — WC's Required — WC's Provided	3.7.4, 11.3.4, 11.3.5, 11.4.2.4 & 11.4.2.5.
11.11b	Plumbing Fixture Requirements: cont. (NO CHANGE)	Floor level/ Area (Repeated) — B.F. WC's Required — B.F. WC's Provided — Universal Washrooms Rectified — Universal Washrooms Provided NO CHANGE	Tables 3.8.2.3.A and 3.8.2.3.B
11.12	Barrier-free Design: Barrier-free Entrances:	☑ Yes ☐ No Explanation Number 1 Explanation	11.3.1.2, 11.3.2, 11.3.3.2
11.13	Reduction in Performance Level:	Structural ☑ No ☐ Yes By Increase in occupant load: ☑ No ☐ Yes By change of major occupancy: ☑ No ☐ Yes Plumbing ☑ No ☐ Yes Sewage - system: ☑ No ☐ Yes Extension of buildings of combustible construction: ☑ No ☐ Yes	11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5 11.4.2.6
11.14	Compensating Construction:	☐ Yes ☑ No Structural ☑ No ☐ Yes By Increase in occupant load: ☑ No ☐ Yes By change of major occupancy: ☑ No ☐ Yes Plumbing ☑ No ☐ Yes Sewage - system: ☑ No ☐ Yes Extension of buildings of Combustible Construction: ☑ No ☐ Yes	11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5 11.4.2.6 11.4.2.7
11.15	Compliance Alternatives Proposed:	☑ No ☐ Yes	11.5.1.
11.16	Alternative Solutions:		[A] 1.2.1.1, and [C]2.1
11.17	Notes:	ACCESSIBILITY UPGRADES TO MAIN ENRTY DOORS AND VESTIBULE AND ADDITION OF VERTICAL LIFT AT GYM.	

CONSULTANTS

ARCHITECTURAL / STRUCTURAL:

BARRY BRYAN ASSOCIATES
250 WATER STREET, SUITE 201
WHITBY, ONTARIO, CANADA. LIN 0G5
TEL : (905) - 666 - 5252
(Toronto) (905) - 427 - 4495
FAX : (905) - 666 - 5256

MECHANICAL / ELECTRICAL:

MCW Consultants Ltd.
Queens Quay Terminal
207 Queens Quay W. Suite 615
Toronto, Ontario M5J 1A7
Tel: (416) 598-2920
Fax: (416) 598-5394
Website: www.mcw.com

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tdsb Toronto District School Board

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3	ISSUED FOR TENDER	APRIL 29, 2026	BBA

BARRY BRYAN ASSOCIATES

PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
DRAWING LIST & OBC MATRIX

DESIGN BY:	CG
DRAWN BY:	NV
CHECKED BY:	CG
DATE:	26-03-03
SCALE:	AS NOTED
SEAL:	

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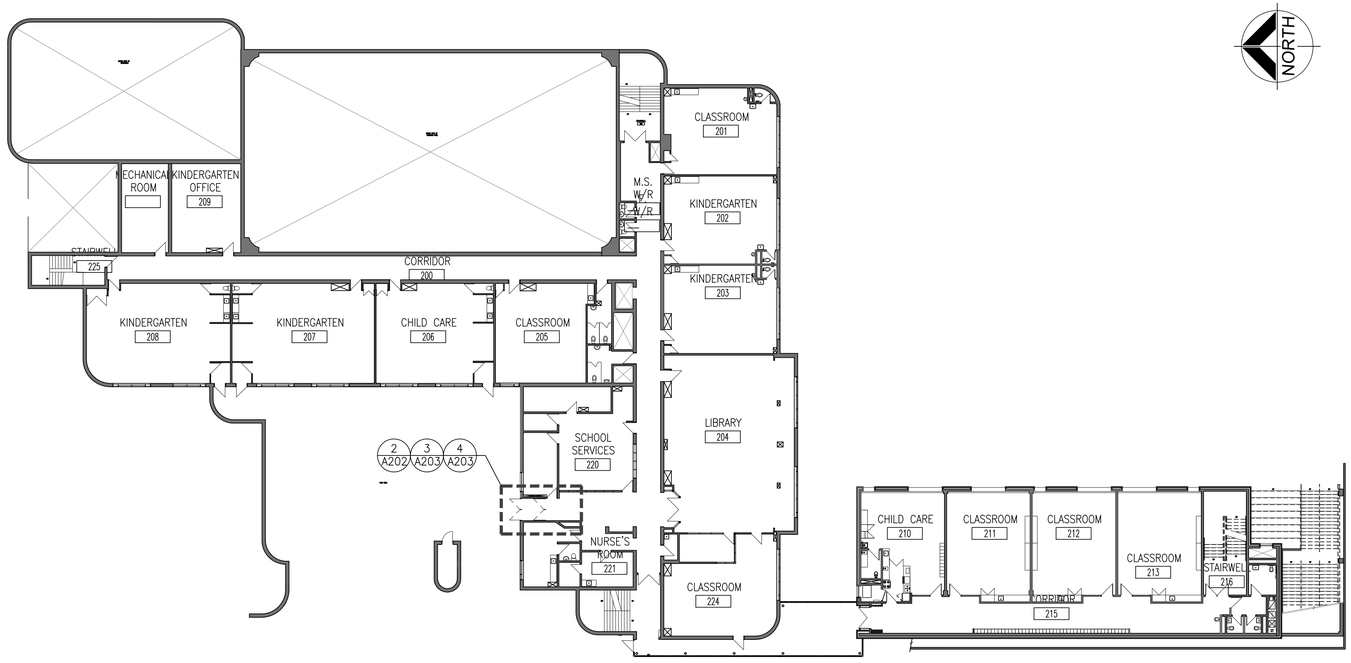
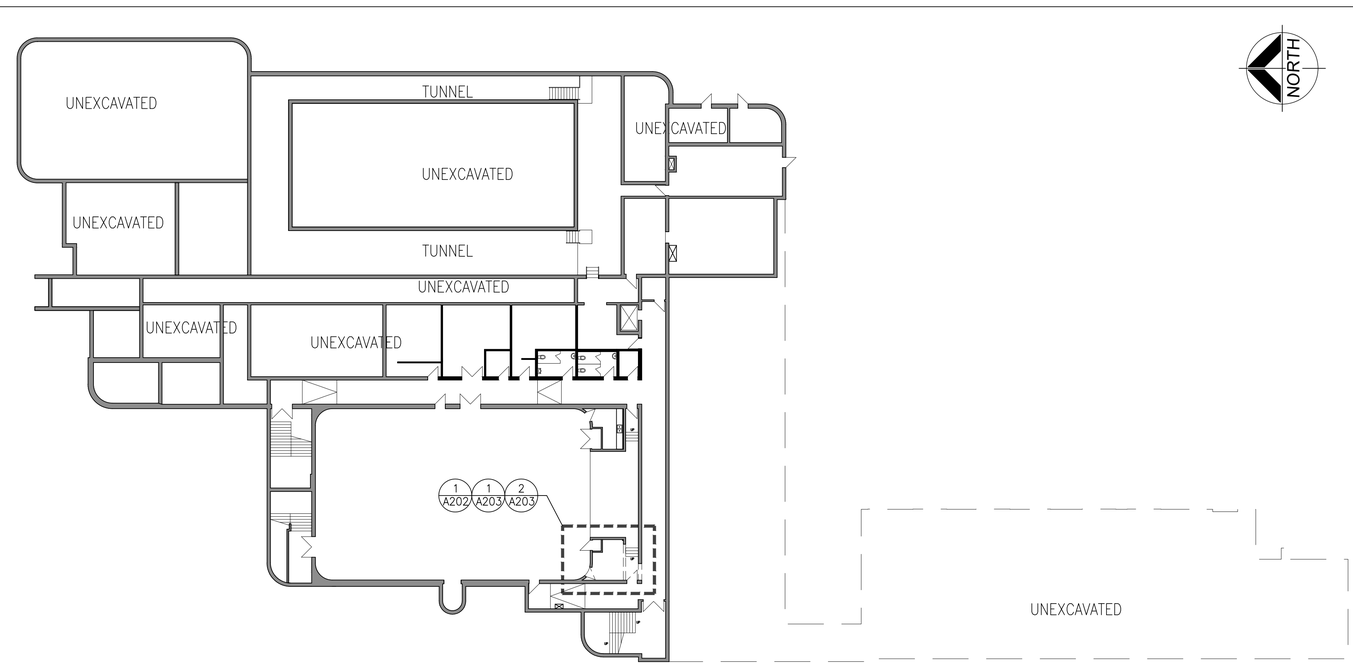
PROJECT NO:	DRAWING NO:
25252	A000



2
A201
SECOND FLOOR KEY PLAN
1:250



1
A201
BASEMENT KEY PLAN
1:250

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BARRY BRYAN ASSOCIATES

PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
KEY PLANS

DESIGN BY: BBA
DRAWN BY: BBA
CHECKED BY: BBA
DATE: 26-01-09
SCALE: 1:250 U.N.O.
SEAL:
PROJECT NO: 25252
DRAWING NO: A201

DEMOLITION LEGEND

EXISTING WALL, PARTITION OR COLUMN TO REMAIN

DENOTES DEMOLITION OF BUILDING ELEMENT/PARTITIONS

EXISTING DOOR, FRAME AND TRIM TO REMAIN

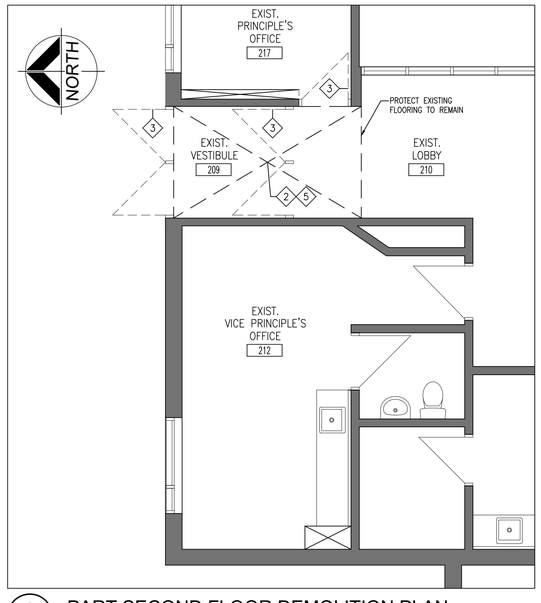
EXISTING DOOR, FRAME AND TRIM TO BE CAREFULLY REMOVED AND DISPOSED.

DEMOLITION NOTES

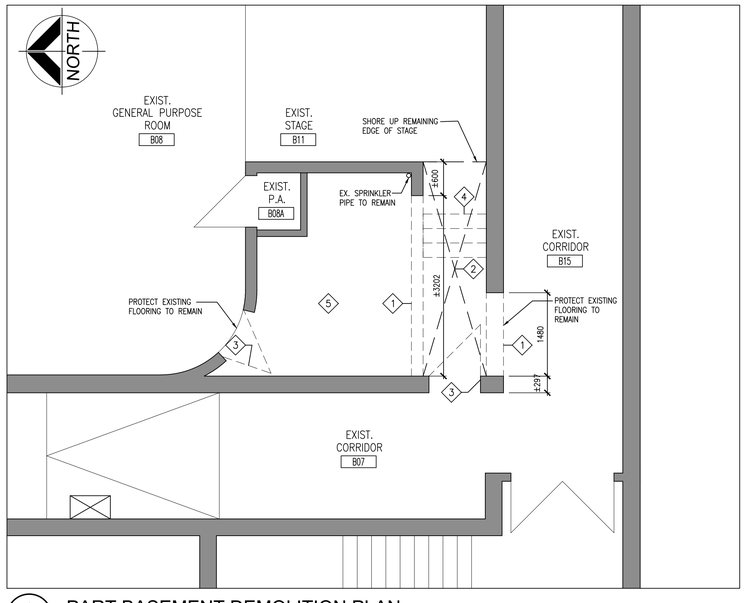
1. DEMOLISH AND DISPOSE EXISTING INTERIOR WALL TO EXTENT SHOWN. PATCH AND REPAIR AFFECTED SURFACES.
2. REMOVE AND DISPOSE OF EXISTING GYPSUM BOARD CEILING, EXISTING ACOUSTIC CEILING PANEL, LIGHTING FIXTURES, CEILING DIFFUSERS, AIR GRILLES, FIRE ALARM, EXIT SIGNS, AND SPRINKLER HEADS AS REQUIRED TO COMPLETE THE RENOVATION SCOPE OF WORK. REFER TO MECHANICAL/ ELECTRICAL DRAWINGS FOR MORE DETAILS.
3. REMOVE AND DISPOSE OF EXISTING DOOR & FRAME. PATCH & MAKE GOOD WALLS, FLOOR & CEILING TO MATCH EXISTING.
4. REMOVE AND DISPOSE OF ENTIRE EXISTING CONCRETE STAIR.
5. REMOVE AND DISPOSE OF EXISTING FLOORING AND BASE ENTIRELY IN AREA SHOWN INCLUDING ADHESIVES. PREP AND LEVEL/ FEATHER EXISTING SURFACES SUCH THAT NEW FLOORING INSTALLS FLUSH AT EXISTING.

GENERAL DEMOLITION NOTES

1. SITE VERIFY ALL DIMENSIONS AND CONDITIONS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS FOR CONSTRUCTION PROJECTS.
3. PROVIDE PROTECTION IN LOCATIONS APPROVED BY THE OWNER AND CONSULTANT SO AS NOT TO DAMAGE EXISTING STRUCTURE, LANDSCAPE OR PART THEREOF.
4. COMPLETE ALL DEMOLITION WORK NECESSARY TO COMPLETE THE RENOVATIONS AS SHOWN AND AS REQUIRED. DEMOLITION OF BUILDING ELEMENTS INCLUDES COMPLETE REMOVAL OF ALL ASSOCIATED FIXTURES, FITTINGS, HARDWARE, FASTENERS, EQUIPMENT AND ACCESSORIES UNLESS NOTED OTHERWISE.
5. ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS ARE COMPLEMENTARY AND SHALL BE READ TOGETHER.
6. PROVIDE ALL SHORING AS REQUIRED. SHORING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
7. NOTIFY CONSULTANT OF LOAD BEARING MEMBERS OR ASSEMBLIES IDENTIFIED OR DISCOVERED DURING WORK AND NOT INDICATED ON DRAWINGS. DO NOT PROCEED WITH REMOVALS WITHOUT PRIOR REVIEW BY THE CONSULTANT.
8. PROVIDE TEMPORARY SUPPORT OF PIPES, DUCTS AND ELECTRICAL CHASES AS REQUIRED FOR SAFE REMOVAL. EXISTING AND PROPOSED SUPPORTS ARE TO BE REVIEWED BY THE CONSULTANT PRIOR TO THE REMOVAL OF ANY COMPONENTS WHICH MAY FALL. OR CAUSE OTHERS TO FALL.
9. MAINTAIN WORK AREAS AND STORAGE AREAS CLEAN AND ORDERLY AT ALL TIMES.
10. REMOVAL OF EXISTING FLOOR FINISHES IS TO INCLUDE COMPLETE REMOVAL OF BASE AND ALL MORTAR AND ADHESIVES AND PREPARATION OF EXISTING SUBSTRATES TO RECEIVE NEW FLOORING, SATISFACTORY TO THE MANUFACTURER OF NEW FLOOR FINISHES. ALLOW FOR EXCESSIVE LEVELING OF SLABS.
11. DEMOLITION INCLUDES ALL ASSOCIATED MECHANICAL AND ELECTRICAL SERVICES, EQUIPMENT, FITTINGS, FIXTURES, HANGERS, BRACKETS, TRIM AND ACCESSORIES AS REQUIRED TO COMPLETE THE WORK.
12. SAWCUT, BREAK OUT AND MAKE GOOD ALL EXISTING FLOOR SLABS WHERE REQUIRED TO INSTALL NEW UNDERGROUND PLUMBING AND OTHER BURIED SERVICES AS INDICATED ON MECHANICAL AND ELECTRICAL DRAWINGS.
13. MAINTAIN EXISTING FIRE RATINGS.
14. REMOVAL OF DOORS AND FRAMES IS TO INCLUDE REMOVAL OF ALL HARDWARE. ALL HARDWARE TO BE TURNED OVER TO THE OWNER.
15. REMOVE ALL PROTRUSIONS IN FLOOR SLAB AND GRIND DOWN TO FLOOR LEVEL.
16. CLEAN AND REPAIR ALL EXISTING SURFACES TO REMAIN, AS NECESSARY TO RECEIVE NEW FINISHES.
17. DISCONNECT AND CAP OFF ALL SERVICES PRIOR TO DEMOLITION.
18. DISPOSE OF MATERIALS OFF SITE.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR FINISHES SHOWN TO REMAIN AND REPAIR / REPLACE SAME TO THE SATISFACTION OF THE OWNER AND CONSULTANT.
20. PATCH, REPAIR, MAKE GOOD AND PAINT WALL WHERE WALLS WHERE HEATERS HAVE BEEN REMOVED. COORDINATE WITH ELECTRICAL AND MECHANICAL.



2 A202 PART SECOND FLOOR DEMOLITION PLAN
1:50



1 A202 PART BASEMENT DEMOLITION PLAN
1:50

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BBA
BARRY BRYAN ASSOCIATES

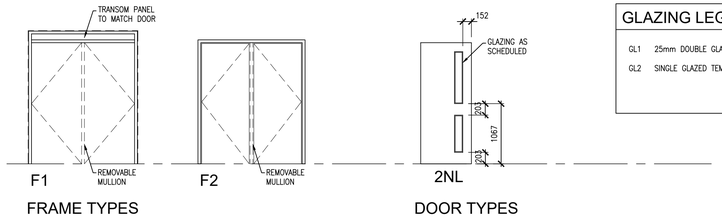
PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
PART DEMOLITION PLANS

DESIGN BY: BBA	SEAL:
DRAWN BY: LQ	
CHECKED BY: CM	
DATE: 26-02-02	
SCALE: 1:50	
PROJECT NO: 25252	DRAWING NO: A202

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE AND THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME MATERIAL	FRAME FINISH	FIRE RATING	DOOR HARDWARE: CYLINDRICAL LOCK	MORTISE LOCK	DOOR STOP	DOOR STOP	KICK PLATE	THRESHOLD	WEATHER STRIPPING	DOOR CLOSER	PANIC HARDWARE	LOCKSET	ELECTRIC STRIKE	ELECTRIC DOOR & FRAME MONITOR	MAGNETIC HOLDER	REMARKS
209A	915x2150x45 900x2150x45	2NL	HM	PAINT	GL1	F1	–	–	PS	PAINT	–	●				●	●	●	●			●	●	●	MATCH EXISTING DOOR OPENING
209B	915x2150x45 900x2150x45	2NL	HM	PAINT	GL2	F2	–	–	PS	PAINT		●				●	●		●			●			



FRAME TYPES

DOOR TYPES

GLAZING LEGEND

GL1 25mm DOUBLE GLAZED UNITS

GL2 SINGLE GLAZED TEMPERED GLASS

ROOM SCHEDULE

ROOM NO.	ROOM NAME		FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	CEILING HEIGHT	REV.	REMARKS
B07	EXISTING CORRIDOR	MAT.	EX	EX	–	EX CB	EX CB	EX CB	EX	EX		PROTECT EXISTING FINISHES ALLOW NEW PAINT AND BASE AT WALL AFFECTED BY NEW INFILL.
		FIN.	EX	EX	–	P	EX	EX	–	–		
B08	EXISTING GENERAL PURPOSE ROOM	MAT.	EX	EX	EX CB	EX CB	EX CB	EX CB	EX	EX		PROTECT EXISTING FINISHES ALLOW NEW PAINT AND BASE AT WALL AFFECTED BY NEW INFILL.
		FIN.	EX	EX	EX	EX	P	EX	–	–		
B08A	EXISTING P.A.	MAT.	EX	EX	EX CB	EX CB	EX CB	EX CB	EX	EX		
		FIN.	EX	EX	EX	EX	EX	EX	–	–		
B10	VESTIBULE	MAT.	WD	EX	EX CB	EX CB	EX CB/CB	EX CB/CB	GB	2400		MATCH STAGE FLOOR FINISH & BASE.
		FIN.	VT	R	P	P	P	P	P			
B11	EXISTING STAGE	MAT.	EX	EX	EX CB	EX CB	EX CB	EX CB	EX	EX		MAKE GOOD EXISTING FINISHES AT SURFACES AFFECTED BY NEW WORK.
		FIN.	EX	EX	EX	EX	EX	EX	–	–		
B15	EXISTING CORRIDOR	MAT.	EX	EX	EX CB	–	EX CB	EX CB	EX	EX		PROTECT EXISTING FINISHES ALLOW NEW PAINT AND BASE AT WALL AFFECTED BY NEW INFILL.
		FIN.	EX	EX	EX	–	EX	EX	–	–		
209	EXISTING VESTIBULE	MAT.	EX	EX	EX CB	EX CB	EX CB	EX CB	ACP	2400		NEW FINISHES TO MATCH EXISTING.
		FIN.	VT	R	P	P	P	P	–	–		
210	EXISTING LOBBY	MAT.	EX	EX	EX CB	EX CB	EX CB	EX CB	EX	EX		PROTECT EXISTING FINISHES ALLOW FOR PAINTING AT NEW BULKHEAD.
		FIN.	EX	EX	EX	EX	EX	EX	–	–		

GENERAL NOTES

A. GLASS PANELS IN DOORS TO COMPLY WITH BARRIER FREE VISIBILITY REQUIREMENTS.

B. PREPARE DOORS AND FRAMES FOR ELECTRONIC HARDWARE WHERE INDICATED. CONDUITS SHALL BE CONCEALED IN FRAMES.

C. REMOVE AND REINSTALL (MISC. ELECTRONIC ATTACHMENTS) AS PER EXISTING DOOR LOCATIONS. PATCH, REPAIR AND MAKE GOOD ALL AFFECTED SURFACES.

D. PATCH, REPAIR AND MAKE GOOD ALL AFFECTED SURFACES AS REQUIRED FOR NEW WORK.

E. ALL DOORS IN FIRE SEPARATION LOCATIONS SHALL HAVE LATCHING DEVICE.

F. PRESSED STEEL FRAME DEPTHS SHALL BE 146MM UNLESS OTHERWISE NOTED.

FINISH ABBREVIATION LEGEND

ACP	ACOUSTIC CEILING PANEL
CB	CONCRETE BLOCK
CONC	CONCRETE
CT	CERAMIC TILE
EX	EXISTING
EXIST	EXISTING
EXP	EXPOSED
FRG	FIRE RESISTANT GLAZING
G	GLASS
GL	GLASS
GB	GYPSUM BOARD
HM	HOLLOW METAL
NTS	NOT TO SCALE
P	PAINT
PCT	PORCELAIN CERAMIC TILE
PREFIN	PREFINISHED
PS	PRESSED STEEL
R	RUBBER
R.O.	ROUGH OPENING
TG	TEMPERED GLASS
URETH	URETHANE
VCT	VINYL COMPOSITION TILE
VT	VINYL TILE
WD	WOOD

CEILING TYPES

C1 — 13mm GYPSUM BOARD (PAINTED) ON METAL STUD FRAMING ALLOW FOR 1 300mmx300mm ACCESS PANEL IF REQUIRED

C2 — 1220mmx610mm ACOUSTIC CEILING PANELS IN SUSPENDED T-BAR GRID

EX — EXISTING CEILING PATCH/ PAINT SURFACES AFFECTED BY NEW WORK

CEILING NOTATION LEGEND

C# — CEILING TYPE (REFER TO CEILING TYPE SCHEDULE AND ROOM FINISH SCHEDULE)

2400 — CEILING LEVEL ABOVE FINISHED FLOOR (SEE ALSO ROOM FINISH SCHEDULE)

EXP — EXPOSED STRUCTURE WITH PAINT FINISH

EXISTING AIR DIFFUSER (REFER TO MECHANICAL DRAWINGS)

RETURN AIR GRILLE. SIZES VARY (REFER TO MECHANICAL DRAWINGS)

LIGHT FIXTURES (REFER TO ELECTRICAL DRAWINGS)

CEILING OR WALL MOUNTED EXIT LIGHT (REFER TO ELECTRICAL DRAWINGS)

CONSTRUCTION LEGEND

1 — ALLOW FOR NEW WALL BASE AND PAINT ALONG FULL SURFACE OF EXISTING ROOMS WITH NEW WORK/ INFILL SCOPE.

FLOOR PLAN NOTATION LEGEND

CORRIDOR / CA — ROOM NAME & NUMBER

PX — INTERIOR PARTITION OR FURRING TYPE

101 — DOOR NUMBER

1 / A200 — WALL SECTION REFERENCE

D / C 1 A901 A / B — INTERIOR ELEVATION REFERENCE NUMBER

NEW DOOR

EXISTING DOOR

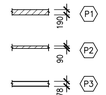
DOOR WITH DOOR OPERATOR

PB — BARRIER FREE DOOR OPERATOR PUSH BUTTON

PL — PUSH TO LOCK PUSH BUTTON

EM — EMERGENCY ASSISTANCE CALL BUTTON

PARTITION TYPES SCHEDULE



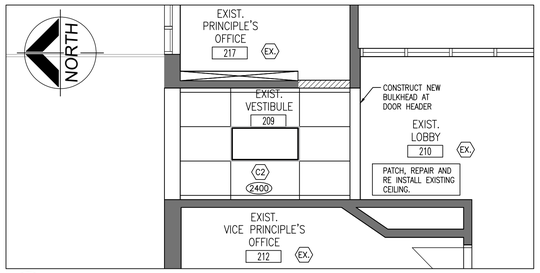
P1 — 190mm CONCRETE BLOCK TO U/S OF STRUCTURE

P2 — 90mm CONCRETE BLOCK TO U/S OF STRUCTURE

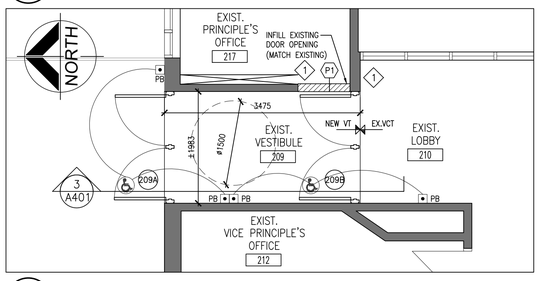
P3 — 13mm GYPSUM BOARD 152mm STEEL STUDS @ 400mm O.C. 13mm GYPSUM BOARD

PARTITION & FURRING NOTES

1. UNLESS OTHERWISE NOTED, ALL PARTITIONS TERMINATE AT UNDERSIDE OF FLOOR OR ROOF STRUCTURE, U.N.O.
2. ALL GYPSUM BOARD BULKHEADS AND PARTITIONS ABOVE MASONRY WALLS OR GLAZING TO BE BRACED AS REQUIRED (TYP.).
3. ALL OUTSIDE CORNERS OF EXPOSED INTERIOR BLOCK WALLS TO BE BULLNOSED BLOCKS. GROUNDING CORNERS ON A JIG WILL BE REJECTED.
4. ALL FULL HEIGHT MASONRY PARTITIONS SHALL BE CONNECTED TO THE U/S OF ROOF DECK U.N.O.
5. ALL ENDS OF TERMINATED EXPOSED MASONRY BLOCK WALLS MUST BE GROUTED SOLID INCLUDING DOORS/ OPENINGS.
6. PROVIDE FIRE STOPPING/ SMOKE SEAL AT TOPS OF ALL RATED PARTITIONS/ FURRING TYPES AT UNDERSIDE OF ROOF DECK C/W INFILL OF FLUTES.
7. ALL PENETRATIONS THROUGH RATED PARTITIONS/ FIREWALL ARE TO BE FIRESTOPPED WITH LISTED FIRESTOPPING SYSTEM.



4 / A203 PART SECOND FLOOR REFLECTED CEILING PLAN 1:50



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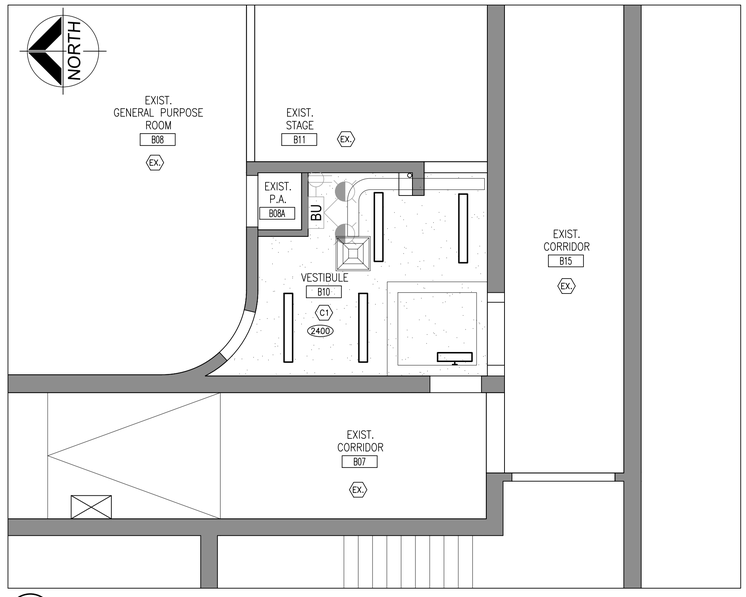
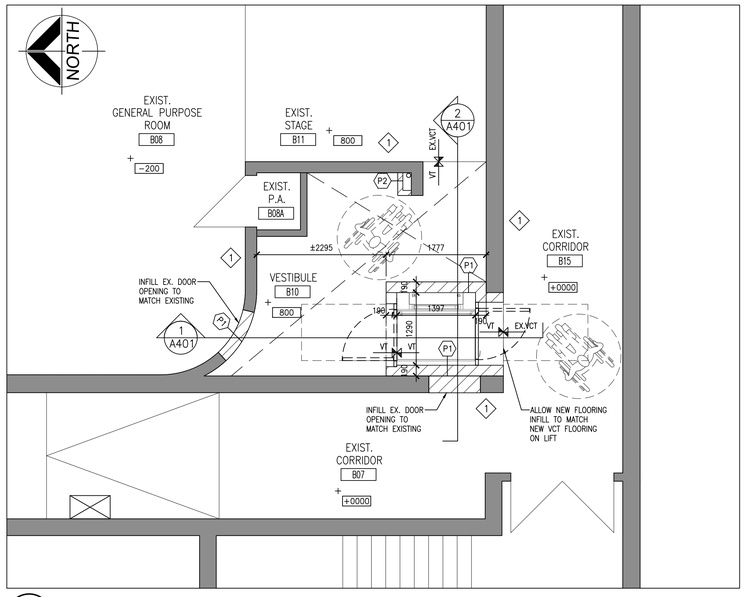


2 / A203 PART BASEMENT REFLECTED CEILING PLAN 1:50



1 / A203 PART BASEMENT FLOOR PLAN 1:50

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tdsb Toronto District School Board

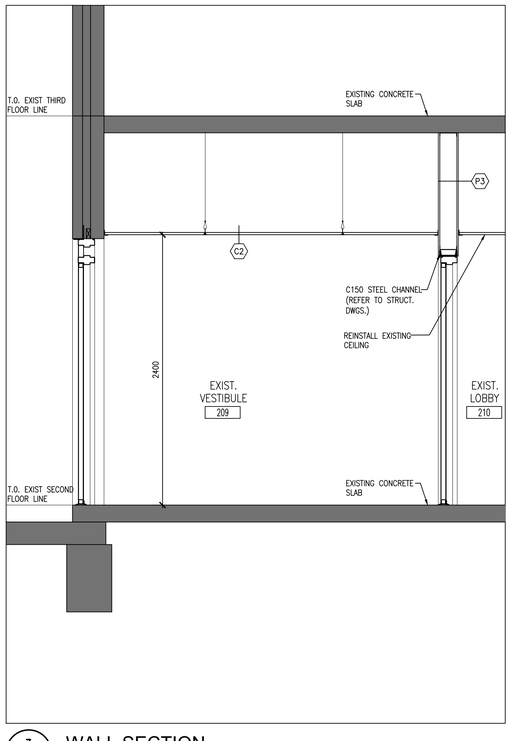
NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	FEB. 26, 2026	BBA
2	ISSUED FOR PERMIT & TENDER	APRIL 1, 2026	BBA
3	ISSUED FOR TENDER	APRIL 29, 2026	BBA

BARRY BRYAN ASSOCIATES

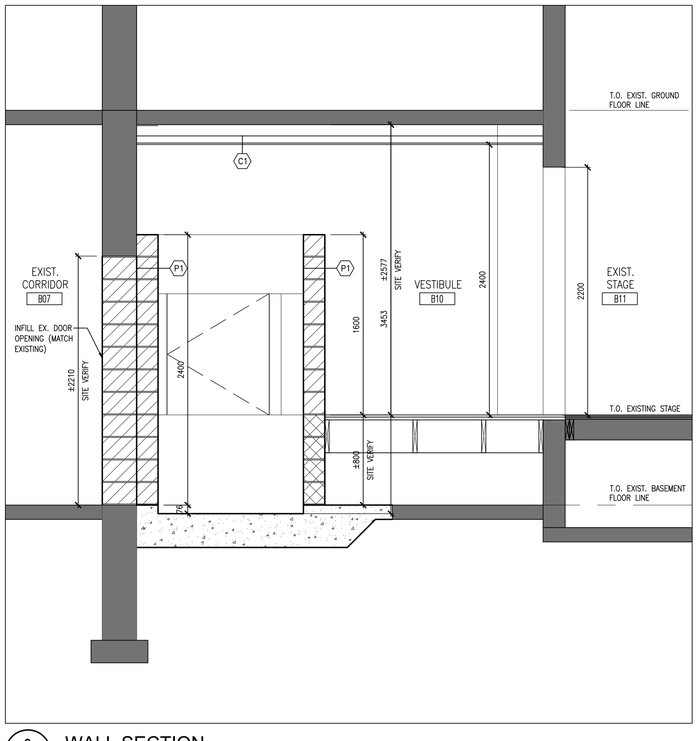
PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
PART FLOOR PLANS & SCHEDULES

DESIGN BY: BBA	SEAL:
DRAWN BY: LQ	
CHECKED BY: CM	
DATE: 26-02-02	
SCALE: 1:50	
PROJECT NO: 25252	DRAWING NO: A203



3 A401 WALL SECTION
1:25



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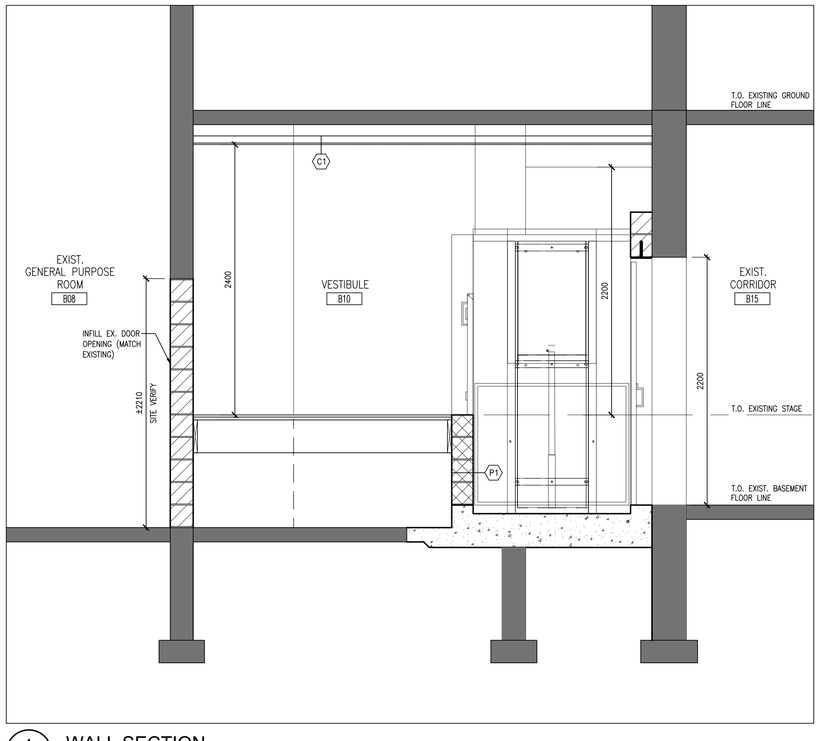

1 A401 WALL SECTION
1:25

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BBA
BARRY BRYAN ASSOCIATES

PROJECT:
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TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
WALL SECTIONS

DESIGN BY: BBA	SEAL:
DRAWN BY: LQ	
CHECKED BY: CM	
DATE: 26-02-10	
SCALE: 1:25	
PROJECT NO: 25252	DRAWING NO: A401

GENERAL

1. ALL DIMENSIONS AND ALL ELEVATIONS ARE IN METRIC UNITS UNLESS NOTED OTHERWISE.
2. SITE VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, LATEST EDITION AND THE OCCUPATIONAL HEALTH AND SAFETY ACT/REGULATIONS FOR CONSTRUCTION PROJECTS.
4. CONFORM TO OWNER'S GENERAL SPECIFICATIONS INCLUDING ALL SAFETY REQUIREMENTS.
5. KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.
6. THE LATEST EDITION OF ALL CODES AND STANDARDS SHALL BE USED
7. ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNTION WITH CONSULTANTS DRAWINGS.
8. ALL LOADS INDICATED ON THE DRAWINGS ARE UNFACTORED UNLESS NOTED OTHERWISE.

CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF CAN/CSA-A23.1 AND CAN/CSA-A23.3 WITH THE FOLLOWING PROVISION:

LOCATION	DESIGN STRENGTH (28 DAYS)	SLUMP	EXPOSURE CLASS
SLAB ON GRADE	25 MPa	80± 30	N*
TOPPING	20 MPa	AS NECESSARY FOR SLOPING	N

2. NO ADDITIONAL WATER SHALL BE ADDED AT THE JOB SITE. CONCRETE WHICH HAS BEEN WATERED OR DOES NOT MEET SPECIFICATIONS SHALL BE REJECTED.
3. DURING WINTER WEATHER BELOW 5 °C PROVIDE TEMPORARY HEATING OF CONCRETE IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1, LATEST EDITION.
4. WHEN PIPES, CONDUITS, OR SLEEVES ARE REQUIRED TO PENETRATE CONCRETE ASSEMBLIES, THE FOLLOWING SHALL BE OBSERVED:
   - SPACING OF SUCH ITEMS SHALL BE 3x DIAMETER C/C.
   - CONCRETE SHALL NOT BE PENETRATED WITHIN 600mm (24") OF CONCENTRATED LOADS.
   - ANY PENETRATIONS SHALL BE A MINIMUM OF 600mm (24") FROM ALL EDGES, SUCH AS ENDS AND TOPS OF WALLS.
   - FOR ANY PENETRATIONS GREATER THAN 300mm (12"), CONSULT THE ENGINEER FOR REVIEW AND DETERMINATION OF EXTRA REINFORCEMENT REQUIREMENTS.

SLAB ON GRADE

1. CAST SLAB ON GRADE ON 200mm (8")MIN CRUSHED STONE AND COMPACTED SUB-GRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT UNLESS NOTED OTHERWISE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS OF COMPOSITION OF MATERIALS BELOW GRADE (INSULATION AND VAPOUR BARRIER).
3. SAWCUT WITHIN 6 TO 18 HOURS. REFER TO THE DRAWINGS FOR SAWCUT REQUIREMENTS.
4. DO NOT CAST SLAB MORE THAN 30 METERS IN LENGTH IN EITHER DIRECTION. PLACE SLAB IN STRIP PATTERN. KEY CONSTRUCTION JOINTS AS DETAILED.
5. MAINTAIN MINIMUM SPECIFIED THICKNESS AT ALL DEPRESSIONS AND CHANGES IN ELEVATIONS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATION OF ALL FINISHES, DEPRESSIONS AND SLOPES.
7. WELDED WIRE MESH REINFORCING IN SLABS ON GRADE MUST BE PROPERLY CHAIRED. LIFTING OF THE WIRE MESH DURING POURS WILL NOT BE ACCEPTED.

CONCRETE REINFORCEMENT

1. THE CLEAR DISTANCE BETWEEN REINFORCING STEEL AND SURFACE OF CONCRETE SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.

WALLS	50mm(2") AGAINST EARTH (20M BAR OR GREATER) 40mm (1½") AGAINST EARTH (15M BAR) 40mm (1½") AGAINST FORM (20M BAR OR GREATER) 25mm (1") AGAINST FORM (15M BAR)
SLABS	25mm(1") TOP BARS 25mm(1") BOTTOM BARS
SURFACE IN CONTACT WITH GROUND	75mm(3")

2. STRUCTURAL GROUT SHALL BE NON-SHRINK, NON METALLIC M-BED STANDARD PREMIX BY SIKA OR APPROVED EQUAL.
3. DETAIL REINFORCING STEEL IN ACCORDANCE WITH "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" LATEST EDITION.
4. REINFORCING BAR SPLICES FOR DEFORMED BARS SHALL BE CLASS 'B' TENSION LAP UNLESS NOTED
5. ALL REINFORCING STEEL SHALL BE DEFORMED HARD GRADE BILLET STEEL CONFORMING TO CSA G30.18 GRADE 400.
6. WELDED STEEL WIRE FABRIC, PLAIN TYPE CONFORMING TO ASTM A1064/A1064M-17 IN FLAT SHEETS NOT ROLLED.
7. ALL CONCRETE REINFORCEMENT MUST BE PROPERLY CHAIRED WITH APPROVED BAR SUPPORTS.
8. PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA23.1 AND CSA23.3 CHAIRS TO BE PLASTIC, PLASTIC TIPPED OR CONCRETE. ALL TIE WIRE, CHAIRS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON-METALLIC OR PROTECTED WITH ACCEPTABLE COATING.
9. CHAIRS SHALL BE SPACED AT 1200mm(4'-0")O.C. MAXIMUM.

TEMPORARY WORKS

1. THE CONTRACTOR SHALL DESIGN, PROVIDE, ERECT, MAINTAIN REMOVE AND ASSUME FULL AND SOLE RESPONSIBILITY FOR ALL TEMPORARY WORKS REQUIRED FOR THE SAFE AND COMPLETE EXECUTION OF THE WORKS.
2. IN THE EXECUTION OF THE TEMPORARY WORKS AND FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR ALL LIKELY CONSTRUCTION LOADING AND PROVIDE SUFFICIENT BRACING AND PROPS TO KEEP THE WORKS IN PLUMB AND ALIGNMENT AND FREE FROM EXCESSIVE DEFLECTION.
3. ACCESS OF HEAVY CONSTRUCTION EQUIPMENT AND ACCUMULATION OF CONSTRUCTION MATERIALS ON THE FLOORS ARE NOT PERMITTED, UNLESS SUCH HAVE BEEN CATERED FOR IN THE CONTRACTOR'S TEMPORARY WORK DESIGN TO THE SATISFACTION OF THE ARCHITECT.
4. SUBMIT SHOP DRAWINGS FOR ALL TEMPORARY WORKS FOR REVIEW BEFORE FABRICATION COMMENCES. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

MASONRY

1. MASONRY WORK IN ACCORDANCE WITH CAN/CSA A370 AND CAN/CSA A371 EXCEPT WHERE SPECIFIED OTHERWISE.
2. ONLY TYPE 'S' MORTAR SHALL BE USED, MINIMUM STRENGTH SHALL BE 12.4 MPa AT 28 DAYS.
3. GROUT (PEA GRAVEL) AT BOND BEAMS AND GROUTED HOLLOW BLOCKS TO BE A MINIMUM OF 20MPa COMPRESSIVE STRENGTH AT 28 DAYS. IN ACCORDANCE WITH CAN3-A23.1
4. MORTAR FOR EXPOSED EXTERIOR MASONRY SHALL BE AIR ENTRAINED.
5. PROVIDE LATERAL RESTRAINT AT TOP OF NON-LOAD BEARING BLOCK PARTITIONS AS INDICATED ON TYPICAL DETAILS.
6. PROVIDE VERTICAL WALL REINFORCING FOR FULL HEIGHT OF LIFT, CONTINUOUS FROM FLOOR TO FLOOR/ROOF, WITH CLASS B LAPS.
7. MASONRY WORK SHALL CONFORM TO CSA-S304 (LATEST EDITION) AND ITS REFERENCED DOCUMENTS, INCLUDING:
   - A. CONCRETE BLOCK TO CSA-A165.1, TYPE H15/A, SEE ARCH. DWGS. FOR FIREWALL REQUIREMENTS UNLESS NOTED OTHERWISE. (BASED ON NET AREA) – H 15/C FOR FIREWALL.
   - B. MORTAR TO CSA-A179M, TYPE 'S' FOR ALL WALLS.
   - C. GROUT TO CSA-A179-M.
   - D. MASONRY WIRE REINFORCING TO CSA-G30.14.
   - E. REINFORCING BARS TO CSA-G30.18-M-400 MPa.
   - F. WELDED REINFORCING BARS TO CSA-G30.18-400 MPa.
   - G. CONNECTION TO CAN/CSA A370.
   - H. PRACTICE TO CAN/CSA A371.
8. SUBMIT EVIDENCE OF MORTAR AND GROUT STRENGTH. FIELD CONTROL AND TESTING SHALL COMPLY WITH REQUIREMENTS OF CLAUSE 5 OF CAN3-304.
9. PROVIDE TEMPORARY BRACING OF MASONRY WORK UNTIL PERMANENT LATERAL SUPPORT IS IN PLACE.
10. PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. SEE LINTEL SCHEDULE FOR REQUIREMENTS.
11. REFER TO TYPICAL DETAILS FOR BOND BEAM AND BEARING REQUIREMENTS AT FLOORS AND ROOFS.
12. MINIMUM STANDARD LAP LENGTH: WIRE REINF. – 200mm(8")
    10M BARS – 400mm(16")
    15M BARS – 600mm(24")
    20M BARS – 800mm(32")
13. UNLESS NOTED OTHERWISE, PROVIDE 2-15M VERTICAL BARS FULL HEIGHT AT:
    A. UNSUPPORTED ENDS OF WALLS
    B. EACH SIDE OF CONTROL JOINTS
14. PROVIDE CLEANOUT PORT AT BOTTOM OF EACH GROUTED CORE WHEN REQUIRED BY ENGINEER. DO NOT CLOSE PORT OR PLACE GROUT UNTIL CORE AND STEEL HAVE BEEN INSPECTED.
15. FILL CELLS CONTAINING VERTICAL REINFORCING AND BOLTS WITH GROUT VIBRATE OR PUDDLE TO FILL CELLS COMPLETELY.
16. FILL CELLS IN 1500mm (60") LIFTS MAXIMUM OR BETWEEN BOND BEAMS, WHICHEVER IS LESS, UNLESS SPECIAL PROVISIONS ARE MADE TO ENSURE FULL GROUT COLUMNS HAVE BEEN MADE TO THE SATISFACTION OF THE ENGINEER.
17. CONTROL JOINTS SHALL BE INSTALLED AT MAXIMUM SPACING OF 6000mm(20'-0"), IF NOT OTHERWISE SHOWN ON ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
18. FILL BLOCK CORES UNDER ALL BEAMS, JOISTS AND OTHER CONCENTRATED POINT LOADS WITH CONCRETE GROUT. GROUT SHALL EXTEND A MINIMUM OF 600mm (24") BELOW LOAD.
19. CONTROL JOINTS AND EXPANSION JOINTS SHALL BE CONTINUED THROUGH BOND BEAMS IF NOT OTHERWISE SHOWN.
20. NO MASONRY WORK SHALL BE PERMITTED WITH TEMPERATURE BELOW 5° CELSIUS, UNLESS PROVISIONS ARE MADE FOR HEATING THE MATERIALS AND PROTECTING THE WORK.
21. SET BASE PLATES ON MASONRY ON MIN. 25MPa NON-SHRINK GROUT FOR LEVELING.
22. FIRST COURSE OF MASONRY TO BE LAID IN A FULL BED OF MORTAR. ALL OTHER COURSES TO BE LAID WITH MORTAR AT FACE SHELL BED AND HEAD JOINTS.

CONCRETE BLOCK MASONRY COMPRESSIVE STRENGTH (MPa)			
LOCATION	NET	GROSS (f'm) FOR HOLLOW BLOCK	GROSS (f'm) FOR SOLID OR GROUTED BLOCK
TYP. ALL CONCRETE BLOCK	15	9.8	7.5

23. POCKETS FOR STEEL BEAMS AND JOISTS SHALL BE GROUTED SOLID AND THE WALL MADE GOOD AFTER

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL HSS AND W SECTIONS TO BE G40.21M-350W CLASS C. ALL OTHERS TO BE G40.21M-300W.
2. DESIGN FORCES INDICATED ON DRAWINGS FOR STRUCTURAL STEEL WORK ARE UN-FACTORED FORCES UNLESS NOTED OTHERWISE.
3. ALL CONNECTIONS TO BE DESIGNED BY FABRICATOR UNLESS NOTED OTHERWISE. ALL BEAM CONNECTIONS TO BE STANDARD SHEAR CONNECTIONS IN COMPLIANCE WITH CISC, UNLESS NOTED OTHERWISE.
4. PROVIDE SHOP DRAWINGS OF COMPONENTS AND CONNECTIONS DESIGNED BY THE FABRICATOR'S ENGINEER. DRAWINGS SHALL BE SIGNED AND SEALED BY THAT ENGINEER.
5. FABRICATOR'S ENGINEER MUST BE LICENSED IN THE PROVINCE OF ONTARIO.
6. ALL ERECTION BOLTS SHALL BE ASTM GRADE A325 MINIMUM, AND SHALL BE DESIGNED BY STEEL FABRICATOR'S ENGINEER FOR TRANSFER OF ALL LOADS.
7. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS IN EACH CONNECTION PIECE AND DESIGNED AS BEARING CONNECTIONS U.N.O.
8. FABRICATOR'S ENGINEER SHALL DESIGN TOP PLATES AND THEIR CONNECTIONS TO FULLY TRANSFER VERTICAL AND HORIZONTAL LOADS AS WELL AS MOMENTS WHEN REQUIRED PER CISC STANDARDS.
9. FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1.
10. ALL WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY A WELDER QUALIFIED UNDER CSA W47.
11. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP APPLIED COAT OF PRIMER. SPOT PRIME ALL WELDED AREAS.
12. REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED. SPOT PRIME AS REQUIRED.
13. ALL WELDED CONNECTIONS SHALL BE WITH CSA W48 SERIES ELECTRODES.
14. PROVIDE DRAINAGE HOLES TO ARCHITECT'S APPROVAL IN ALL EXPOSED EXTERIOR HSS FRAMING.
15. PROVIDE CAP PLATES ON ALL HSS FRAMING MEMBERS UNLESS NOTED OTHERWISE.
16. DO NOT CUT OR CORE ANY OPENINGS IN ANY STRUCTURAL STEEL MEMBERS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
17. WHERE A STRUCTURAL STEEL SHAPE SHOWN ON THE DRAWINGS IS UNAVAILABLE, A SHAPE OF EQUAL OR GREATER SECTION PROPERTIES AND STRUCTURAL CAPACITY SHALL BE SUBSTITUTED, UPON APPROVAL BY OWNER AND CONSULTANT AT NO EXTRA COST.
18. ALL EXTERIOR EXPOSED STEEL SHALL BE HOT DIP GALVANIZED.

EXCAVATION, BACKFILLING AND GRADING

CODES, REGULATIONS

1. CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) AND THE WORKPLACE HEALTH AND SAFETY ACT.
2. PROVIDE MINIMUM 8" TOPSOIL BELOW ANY DISTURBED GREEN SCAPE AREAS TO BE RESTORED PRIOR TO SODDING.

EXAMINATION

1. BEFORE TENDERING THE WORK, THE CONTRACTOR SHALL EXAMINE THE SITE AND ASCERTAIN THE EXTENT AND NATURE OF THE MATERIAL IT MAY BE NECESSARY TO REMOVE TO PROVIDE FOR THE DEPTHS, LEVELS, AND GRADES REQUIRED, TO ASSURE HIMSELF THAT HIS DETERMINATIONS ARE MADE IN CONFORMITY WITH THE DRAWINGS AND SPECIFICATIONS.

SETTING OUT WORK

1. THE DRAWINGS INDICATE THE SITE COMPONENTS LOCATION, AND PROPOSED AND FINAL GRADES. BE RESPONSIBLE TO CONSTRUCT THE WORK ACCORDING TO LEVELS AND LOCATIONS SHOWN ON THE DRAWINGS. REPORT ANY ERRORS OR DISCREPANCIES TO THE CONSULTANT BEFORE COMMENCING WITH THE WORK. COMMENCEMENT OF ANY PART OF THE WORK SHALL CONSTITUTE ACCEPTANCE OF DRAWINGS AS BEING CORRECT.
2. EMPLOY A COMPETENT INSTRUMENT MAN AND PROVIDE ALL LINES AND LEVELS, LIMIT LINES AND BOUNDARY STAKES FOR THE EXECUTION OF THE WORK AS REQUIRED. ALL BENCH MARKS SHALL BE CAREFULLY PROTECTED.
3. PROVIDE ALL SUBCONTRACTORS WITH, AND BE RESPONSIBLE FOR, ALL LINES, LEVELS AND DIMENSIONS WHICH SUCH TRADES REQUIRE TO RELATE THEIR WORK TO THE WORK OF THE CONTRACTOR OR OTHER TRADES. ALL TRADES SHALL BE NOTIFIED THAT ALL SUCH LEVELS AND DIMENSIONS MUST BE OBTAINED FROM THE CONTRACTOR.

PROTECTION

A. PROTECTION OF EXISTING SERVICES

1. BEFORE STARTING THE WORK, VERIFY THE LOCATION OF ALL KNOWN UNDERGROUND SERVICES AND UTILITIES OCCURRING IN THE WORK SITE AREA.
2. NOTIFY THE OWNER, PUBLIC UTILITY OR MUNICIPAL AUTHORITIES IN ADVANCE OF PLANNED EXCAVATIONS ADJACENT TO THEIR SERVICES.
3. TAKE CARE NOT TO DAMAGE OR DISPLACE ENCOUNTERED KNOWN AND UNKNOWN SERVICES.
4. WHEN SUCH SERVICES ARE ENCOUNTERED DURING THE EXECUTION OF WORK, IMMEDIATELY NOTIFY THE CONSULTANT AND PROTECT, BRACE AND SUPPORT ACTIVE SERVICES. WHERE REPAIRS TO THESE SERVICES BECOME NECESSARY USE THE FOLLOWING PROCEDURE:
   - a. KNOWN SERVICES, REPAIR AT NO EXPENSE TO THE OWNER.
   - b. UNKNOWN SERVICES, FORWARD TO THE CONSULTANT A COMPLETE BREAKDOWN OF THE ESTIMATED COST OF SUCH WORK. PROCEED ONLY UPON WRITTEN AUTHORIZATION.
5. IN THE CASE OF DAMAGE TO, OR CUTTING OFF OF AN ESSENTIAL SERVICE, NOTIFY CONSULTANT, THE OWNER, AND PUBLIC UTILITY OR MUNICIPAL AUTHORITIES IMMEDIATELY AND REPAIR THE SERVICE UNDER THE CONSULTANT'S DIRECTION.
6. BACKFILL
   - ASSUME REUSE EXISTING COMPACT SOIL AND INFILL BALANCE OF GRANULAR MATERIAL/TOPSOIL AS REQUIRED TO ACCOMPLISH WORK ON PROJECT.
   - ALL FILL SHALL BE STORED ON SITE IN A LOCATION APPROVED BY THE OWNER/CONSULTANT AND SHALL BE PROTECTED AS REQUIRED FOR RE-USE.

EXCAVATION WORK

1. REMOVE ALL CONCRETE, MASONRY, RUBBLE OR OTHER CONSTRUCTION DEBRIS ENCOUNTERED DURING THE WORK.
2. KEEP EXCAVATION FREE OF WATER BY BAILING, PUMPING OR A SYSTEM OF DRAINAGE AS REQUIRED AND PROVIDE PUMPS, SUCTION AND DISCHARGE LINES OR WELL POINTS OF SUFFICIENT CAPACITY AND MAINTAIN UNTIL SUCH TIME AS THE PERMANENT DRAINAGE SYSTEM IS INSTALLED OR UNTIL THE CONSULTANT'S APPROVAL OF REMOVAL OF EQUIPMENT IS OBTAINED. TAKE ALL NECESSARY MEASURES TO PREVENT FLOW OF WATER INTO THE EXCAVATION.
3. PROTECT THE BOTTOM AND SIDES OF EXCAVATED PITS AND TRENCHES FROM FREEZING. PROTECT ALSO FROM EXPOSURE TO THE SUN AND WET WEATHER TO PREVENT CAVE-INS AND SOFTENING OF THE BED UPON WHICH CONCRETE OR DRAINS REST.
4. EXCAVATIONS MUST NOT INTERFERE WITH THE NORMAL 45 DEGREE PLANE OF BEARING FROM THE BOTTOM OF ANY FOOTING.
5. KEEP BOTTOMS OF EXCAVATIONS CLEAN AND CLEAR OF LOOSE MATERIALS LEVELLED AND STEPPED AT CHANGES OF LEVELS WITH EXCEPTION OF EXCAVATIONS MADE FOR DRAINAGE PURPOSES AND THOSE SLOPE AS REQUIRED.
6. IF THE EXCAVATIONS REVEAL SEEPAGE ZONES, SPRINGS OR OTHER UNEXPECTED SUB-SURFACE CONDITIONS WHICH MAY NECESSITATE REVISIONS OR ADDITIONS TO ANY DRAINAGE SYSTEM, INFORM THE CONSULTANT IMMEDIATELY SO THAT REMEDIAL CAN BE TAKEN.

BACK FILLING

1. PROCEED PROMPTLY WITH BACKFILLING AS THE BUILDING REPAIRS PROGRESSES, AND AS WORK TO BE BACKFILLED HAS BEEN INSPECTED AND APPROVED BY THE CONSULTANT. THE BACKFILL SHOULD BE PLACED IN LIFTS NOT GREATER THAN 200mm THICK IN THE LOOSE STATE, EACH LIFT BEING COMPACTED WITH A SUITABLE COMPACTOR TO THE SPECIFIED DENSITY.
2. DO NOT COMMENCE BACKFILLING OPERATIONS UNTIL SITE DRAINAGE SYSTEMS AND WATERPROOFING HAS BEEN INSPECTED AND APPROVED BY CONSULTANT.
3. WITHDRAW SHORING MATERIAL DURING BACKFILL. LUMBER LEFT IN PLACE WITHOUT THE CONSULTANT'S APPROVAL WILL NOT BE PAID FOR BY THE OWNER.
4. WHERE FILL IN PLACED ADJACENT TO STRUCTURES OR VULNERABLE BUILDING COMPONENTS OR IN RESTRICTED AREAS, THE FILL SHALL BE COMPACTED TO THE SAME DEGREE AS SPECIFIED BY SUITABLE EQUIPMENT APPROVED BY THE CONSULTANT. AVOID DAMAGE TO OR DISPLACEMENT OF EXISTING/NEW STRUCTURES.
5. ADD WATER IN AMOUNTS REQUIRED ONLY TO ACHIEVE THE OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM D1557.
6. BACKFILL SHALL BE FREE OF SNOW AND ICE, TOPSOIL, CONSTRUCTION DEBRIS AND OVERSIZED BOULDERS GREATER THAN 150mm.

DEMOLITION NOTES

1. PROVIDE PROTECTION AS REQUIRED TO PREVENT DAMAGE TO THE EXISTING STRUCTURE AND/OR ADJACENT EQUIPMENT. PROTECT ALL EXISTING FINISHES, FRAMES AND PROPERTY.
2. SAW CUT, REMOVE AND DISPOSE OF EXISTING DEMOLISHED MATERIALS OFF-SITE, AS REQUIRED TO COMPLETE THE WORK. REMOVAL OF ALL ACM IS BY OTHERS.
3. KEEP THE WORK AND STAGING AREAS CLEAN AND ORDERLY AT ALL TIMES AND FREE FROM RUBBLE AND DEBRIS.
4. NOTIFY CONSULTANT OF ANY LOAD BEARING MEMBERS OR ASSEMBLIES DISCOVERED OR IDENTIFIED DURING WORK WITH EXCESSIVE DETERIORATION BEYOND WHAT IS NOT INDICATED ON THE DRAWINGS. DO NOT PROCEED WITH REMOVAL WITHOUT PRIOR REVIEW BY THE CONSULTING STRUCTURAL ENGINEER.
5. ALL BUILDING MATERIALS TO BE REMOVED FROM THE BUILDING SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE AND SHALL BE REMOVED FROM THE SITE.
6. COVER ALL LOADED TRUCKS LEAVING THE DEMOLITION SITE.
7. CARRY OUT SAFETY MEASURES AS PER THE CONSTRUCTION SAFETY ASSOCIATION OF ONTARIO ACT AND REGULATIONS FOR DEMOLITION.
8. THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY MANUAL APPLIES TO THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH O.H.S.A..
9. CONTRACTOR SHALL KEEP CLEAR AND NOT INHIBIT THE USE OF BUILDING FIRE ROUTE AND ALL HYDRANTS DURING THE ENTIRE DEMOLITION WORK.
10. REPORT ANY DOUBTFUL UNFORESEEN AND/OR UNEXPECTED SITE CONDITIONS TO THE ENGINEER PRIOR TO PROCEEDING.

LUMBER NOTES

1. STRUCTURAL LUMBER TO BE GRADE MARKED TO CONFORM TO CSA STANDARD 0141.
2. FASTENINGS FOR EXTERIOR WORK: NAILS, BOLTS, STEEL STRAPS AND WELDED CONNECTIONS TO BE HOT DIP GALVANIZED AND CONFORM TO CAN3-86-M80.
3. LUMBER TO LUMBER CONNECTIONS IN SAME PLANE SHALL BE MADE WITH APPROVED JOIST HANGERS OR FRAMING ANCHORS.
4. DESIGN OF TRUSSES SHALL CONFORM TO PART 4 OF OBC ON SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO.
5. UNLESS OTHERWISE NOTED ON PLAN, THE FOLLOWING SHALL BE THE MINIMUM GRADES USED: TRUSSES: SPF 2
6. PROVIDE ERECTION DRAWINGS IN ACCORDANCE WITH M.O.L. STANDARDS FOR SEQUENTIAL ERECTION.
7. DO NOT NOTCH OR DRILL LUMBER TRUSSES ON SITE WITHOUT MANUFACTURER'S APPROVAL. REFER TO MANUFACTURER'S PRINTED INFORMATION FOR OPENINGS IN LUMBER FRAME MEMBERS.
8. PROVIDE LATERAL RESTRAINT AT ALL BEARING LOCATIONS AND ONE ROW OF BRIDGING AT ALL MIDSPANS UNLESS NOTED OTHERWISE. DRAWINGS SHOWING CONNECTION DETAILS, CONSTRUCTION DETAILS, AND TEMPORARY CONSTRUCTION BRACING. ALL SHOP DRAWINGS TO BE PREPARED AND APPROVED BY A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.
9. SUBMIT SHOP DRAWINGS OF PREFAB ENGINEERED LUMBER ROOF TRUSS FRAMING AND ERECTION.
10. INSTALL ALL LUMBER TRUSSES TO MANUFACTURER'S RECOMMENDED DETAILS INCLUDING ALL NECESSARY BLOCKING, WEB STIFFENERS AND BRACING.
11. UPON INSTALLATION OF THE WOOD TRUSSES THE MANUFACTURER'S SPECIALITY ENGINEER SHALL SUBMIT A LETTER OF FIELD REVIEW AND COMPLIANCE CONFIRMING THAT THE FABRICATION AND INSTALLATION OF THE TRUSS ARE IN CONFORMITY WITH THE SHOP DRAWINGS.
12. REFER TO THE ROOF PLAN FOR THE TRUSS DESIGN LOADS. THE TRUSSES SHOULD ALSO BE DESIGNED FOR A VERTICAL POINT LOAD OF 0.1 KN (UNFACTORED) APPLIED AT ANY POINT OF THE BOTTOM CHORD.
13. THE WOOD TRUSSES ARE TO BE DESIGNED FOR A LIVE LOAD DEFLECTION OF 1/360 OF THE SPAN. WOOD TRUSS DESIGN TO LATERALLY BRACE SUPPORTING BEAM AND COLUMN.

INSPECTIONS AND TESTING

1. THE FOLLOWING ITEMS SHALL BE INSPECTED OR TESTED BY INDEPENDENT INSPECTION/ TESTING AGENCIES DESIGNATED BY THE CLIENT. MATERIALS AND WORKMANSHIP NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REJECTED BY THE CONTRACTOR. REPORTS AND TEST RESULTS SHALL BE PROMPTLY SUBMITTED TO THE ENGINEER FOR REVIEW. TESTING SHALL INCLUDE BUT NOT BE LIMITED TO:

CONCRETE

1. CONCRETE AND GROUT TESTING IN ACCORDANCE WITH CSA A23.2 LATEST EDITION AND THE SPECIFICATIONS, INCLUDING THE REQUIREMENTS OF SLUMP, AIR AND AGE PRIOR TO BEING USED. CONTRACTOR TO KEEP RECORDS OF POUR DATES, TESTING PERFORMED, CLASS OF CONCRETE USED AND TEST RESULTS FOR ALL ITEMS POURED.
2. TESTING TO DETERMINE THE IN-SITU STRENGTH OF CONCRETE FOR EARLY FORM REMOVAL PURPOSES WITH THE TYPE OF TEST BEING DETERMINED ON THE ADVICE OF THE TESTING AGENCY. REPAIRS NECESSARY TO THE STRUCTURE AS A RESULT OF THESE TESTS SHALL BE MADE BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
3. APPROVAL OF CONCRETE AND MORTAR MIX DESIGNS.
4. TESTING AS REQUIRED AND SPECIFIED BY THE ENGINEER TO DETERMINE THE IN-SITU STRENGTH OF CONCRETE WHICH FAILS TO MEET THE SPECIFIED REQUIREMENTS OR WHICH, DUE TO APPEARANCE, DAMAGE OR DEFECTS MAY BE DEEMED REJECTABLE. CORES SHALL BE ACQUIRED AND TESTED BY THE DESIGNATED TESTING AGENCY BUT ANY REPAIRS NECESSARY TO THE STRUCTURE AS A RESULT OF THESE TESTS SHALL BE PERFORMED AT NO COST TO THE OWNER.

ENGINEERED MASONRY TEST

1. TESTS TO VERIFY STRENGTH OF GROUT AND MORTAR.

STRUCTURAL STEEL

1. VISUAL INSPECTION OF ALL WELDS, TORQUE TESTING OF BOLTED CONNECTIONS AND CHECK ON BEARING, PLUMBNESS AND ALIGNMENT OF STEEL STRUCTURES.
2. NON-DESTRUCTIVE TESTING TO VERIFY THE QUALITY OF WELDING, WHERE DEEMED QUESTIONABLE BY VISIBLE DEFECTS OR WHERE REQUIRED BY THE ENGINEER.

SHOP DRAWINGS AND SUBMITTALS

GENERAL

1. REPRODUCTIONS OF THE STRUCTURAL DRAWINGS SHALL NOT BE ACCEPTED AS SHOP DRAWINGS. "PROFESSIONAL ENGINEER" IN THE FOLLOWING PARAGRAPHS SHALL BE REGISTERED AND LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
2. REVIEW OF DRAWINGS APPLIES TO GENERAL ARRANGEMENT ONLY FOR THE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF DETAIL DESIGN OR QUANTITIES IN SUBMITTED DRAWINGS, NOR DOES IT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR MAKING THE WORK COMPLETE, ACCURATE AND IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ALLOW 10 WORKING DAYS FOR SHOP DRAWING REVIEW.
3. DO NOT FABRICATE MATERIALS BASED ON REJECTED OR DISAPPROVED SHOP DRAWINGS.
4. SHOP DRAWING SUBMITTALS SHALL ALSO INCLUDE ANY ELEMENTS DESIGNED BY THE CONTRACTOR'S FORCES WHICH SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH N.B.C. SECTIONS 2.3.4.4 AND 2.3.4.5 LATEST EDITIONS.

REINFORCED CONCRETE

1. SUBMIT FOR REVIEW 2 COPIES OF REINFORCEMENT PLACING DRAWINGS AND BARLISTS FOR EVERY PORTION OF THE STRUCTURE. SHOW WALLS IN FULL ELEVATION. SHOW SLABS WITH REINFORCING STEEL CALLED UP DIRECTLY ON PLAN.
2. PROVIDE DETAILS OF DESIGN AND CONSTRUCTION OF FORMS AND FALSEWORK, SHORING AND RESHORING AND ANY SPECIAL REQUIREMENTS FOR STRIPPING OF FORMWORK. ALL SUCH DESIGN SHEETS SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER.
3. SUBMIT FOR REVIEW ALL PROPOSED CONCRETE MIX DESIGNS. SUBMIT AT LEAST 15 WORKING DAYS PRIOR TO START OF WORK.
4. SUBMIT FOR REVIEW DRAWINGS OF ALL PROPOSED CONSTRUCTION JOINTS LOCATIONS, AND LAYOUT DRAWINGS OF CONCRETE ISOLATION AND HOUSEKEEPING PADS.
5. REGULARLY SUBMIT REPORTS OF ALL CONCRETE TESTING AS SOON AFTER TESTING IS PERFORMED AS POSSIBLE.

MASONRY

1. SUBMIT EVIDENCE OF MORTAR AND GROUT STRENGTH.

STRUCTURAL STEEL

1. SUBMIT WITH SHOP DRAWINGS: DECKING PLAN, PROFILE, DIMENSIONS, CORE THICKNESS, CONNECTIONS TO SUPPORTS, REQUIRED BEARINGS, CLOSURES AND ACCESSORIES.
2. SUBMIT FOR REVIEW 2 PRINTS OF ERECTION DRAWINGS FOR ALL STRUCTURAL STEEL ELEMENTS. ALL MOMENT CONNECTIONS SHALL BE DESIGNED AND THE DRAWINGS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER.

RECORD DRAWINGS

1. GENERAL CONTRACTOR SHALL MAINTAIN TWO SETS OF RECORD DRAWINGS WHICH SHOW AS-BUILT DETAILS OF ALL ASPECTS OF THE STRUCTURE, FOR REVIEW DURING CONSTRUCTION AND FOR SUBMISSION AT THE END OF THE PROJECT.

STRUCTURAL DESIGN DATA MATRIX

NO.	ITEM	DESCRIPTION				
1.	STRUCTURAL SYSTEM					
2.	DESIGN CODE	2024 OBC PART 4 (LATEST EDITION)				
3.	SNOW/ RAIN LOADS					
	A) IMPORTANCE (Is)	1.15 ULS, 0.9 SLS				
	B) GROUND SNOW (Ss $\frac{kPa}{m^2}$)	1.2 kPa				
	C) GROUND R

DESIGN LOADS:

SECOND FLOOR

DEAD LOAD:

6" HOLLOW CORE SLAB	2.15 kPa
FLOOR FINISHES =	0.08 kPa
CEILING =	0.20 kPa
MECH. ALLOWANCE =	0.25 kPa
INSULATION =	0.07 kPa
TOTAL =	2.75 kPa

LIVE LOAD: 4.80 kPa

ROOF

DEAD LOAD:

ROOF FINISHES =	0.20 kPa
INSULATION =	0.07 kPa
4" CONCRETE DECK =	0.50 kPa
MECH. ALLOWANCE =	0.25 kPa
CEILING =	0.20 kPa
FIRE PROTECTION =	0.07 kPa
TOTAL =	1.29 kPa

SNOW LOAD: 1.36 kPa + ACCUMULATION AS NOTED ON PLAN

NEW WOOD PLATFORM

DEAD LOAD:

SELF WEIGHT OF WOOD BEAM =	0.10 kPa
SELF WRIGHT OF PLANKS =	0.10 kPa
FLOORING/FINISHES =	0.10 kPa
MISCELLANEOUS (EQUIPMENT) =	0.25 kPa
TOTAL =	0.55 kPa

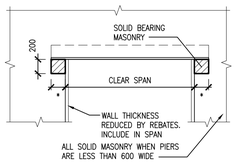
LIVE LOAD: 4.80 kPa

STEEL LINTELS FOR MASONRY WALLS

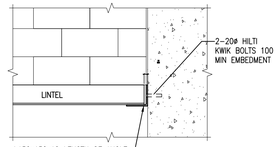
WALL THICKNESS	CLEAR SPAN					DETAIL
	UP TO 1200	1200 TO 1800	1800 TO 2400	2400 TO 3000	3000 TO 4500	
90 VENEER	1–L89x89x6.4	1–L127x89x6.4 (LLV)	1–L127x89x7.9 (LLV)	1–L152x89x9.5 (LLV)	SEE NOTE #4	L
140	2–L64x64x6.4	2–L89x64x6.4	2–L89x64x7.9	2–L89x64x9.5	W200x27	64 LEGS HORIZ
190	2–L89x75x6	2–L89x89x6	2–L102x89x8	2–L127x89x8	W200x36+180x12 CONT TOP PLATE	89 LEGS HORIZ
240	1–L102x76x6.4+ 1–L127x76x6.4	1–L102x102x6+ 1–L127x75x6	1–L102x102x8+ 1–L127x89x8	1–L102x150x8+ 1–L127x125x8	W200x46+230x12 CONT TOP PLATE	102 & 127 LEGS HORIZ
290	3–L89x76x6.4 (LLH)	3–L89x89x6.4	3–L102x89x7.9 (LLV)	3–L127x89x7.9 (LLV)	W200x52+280x12 CONT TOP PLATE	L

NOTES

1. CONNECT ANGLES AT 600 C/C BY WELDING OR BOLTING FOR ANGLES WITH A TOTAL LENGTH OF 1800 OR MORE. USE 16ø BOLTS OR 6x50 LONG WELDS.
2. USE SCHEDULES FOR LINTELS OVER MECH OPENINGS IN ALL MASONRY WALLS UNLESS NOTED OTHERWISE ON PLAN. REFER TO MECH DWGS FOR LOCATIONS.
3. OPENINGS TO BE LOCATED MIN 3 COURSES BELOW UNDERSIDE OF SLAB UNLESS APPROVED BY STRUCTURAL ENGINEER.
4. FOR DOUBLE WYTHE WALLS PROVIDE 10mm GUSSETS @ 800 C/C STEEL LINTEL SUPPORT BLOCK ABOVE PLUS CONT. 320x10mm BOT PLATE.



* BEARING LENGTH
150 (6") MINIMUM EACH END (STEEL ANGLE LINTEL
200 (8") MINIMUM EACH END (BLOCK LINTELS)



CONNECT TO STEEL WITH 6mm WELD TOP & BOTTOM FOR FULL LENGTH OF ANGLE

PROVIDE SHOP WELDED GALVANIZED STEEL STRAP ANCHORS AT 400 C/C FOR MASONRY ANCHORAGE TO STEEL COLUMN

8 / S201 STEEL LINTEL SCHEDULE
NT.S.

MASONRY WALL SCHEDULE

MARK	SIZE	VERT. REINF.	HORIZ. REINF.	REMARKS
MW1	190	15M @ 600 C/C	HEAVY DUTY HORIZ. LADDER REINFORCING @ 400 C/C	FULLY GROUT SOLID

LINTEL SCHEDULE

MARK	SIZE	REMARKS
L1	2–L152x152x9.5	
L2	2–L89x89x7.9	

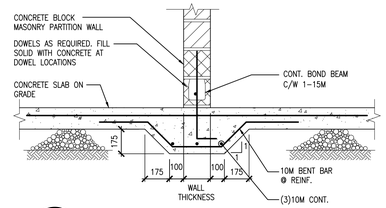
ZONE REINFORCEMENT SCHEDULE

MARK	REINFORCING	DETAIL	REMARKS
Z1	2–15M VERT		GROUT SOLID REINFORCED CELLS. TYPICAL AT ENDS OF ALL NEW BLOCK PARTITION WALLS U.N.O.
Z2	3–15M VERT		GROUT SOLID REINFORCED CELLS. TYPICAL AT CORNERS OF ALL NEW BLOCK PARTITION WALLS U.N.O.
Z3	3–15M VERT		GROUT SOLID REINFORCED CELLS. SEE PLANS FOR EXTENTS.

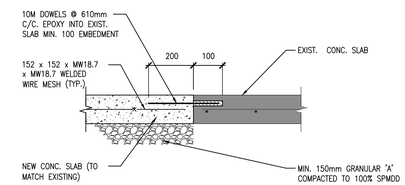
1. REINFORCED ZONES SHALL BE GROUTED SOLID.
2. ENDS OF ALL WALLS SHALL BE COMPLETE WITH Z1 ZONE REINFORCING U.N.O
3. CORNERS OF ALL WALLS SHALL BE REINFORCED WITH Z2 ZONE REINFORCED

STUD WALL SCHEDULE

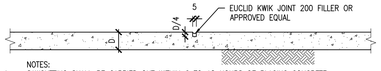
MARK	SIZE/ SPACING	SILL PLATE	TOP PLATE	SHEATHING
ST1	38x89 AT 305 C/C	38x89 C/W 16ø x 200 EMBED. EPOXY ANCHORS AT 800 C/C	2–38x89	SHEATHING TYPE AND THICKNESS TO MATCH EXISTING



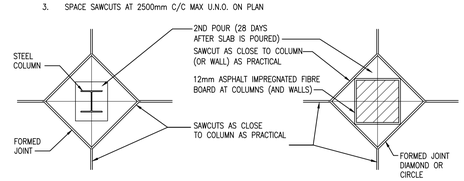
6 / S201 SLAB THICKENING
1:20



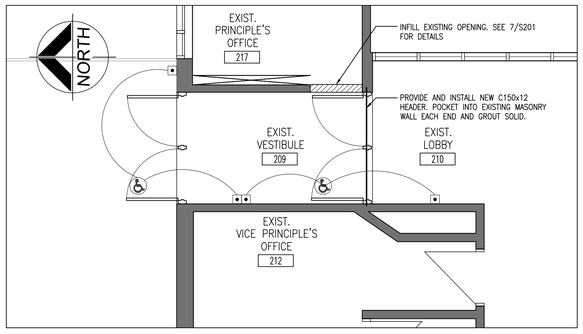
5 / S201 TYP. SLAB TO SLAB CONNECTION DETAIL
1:20

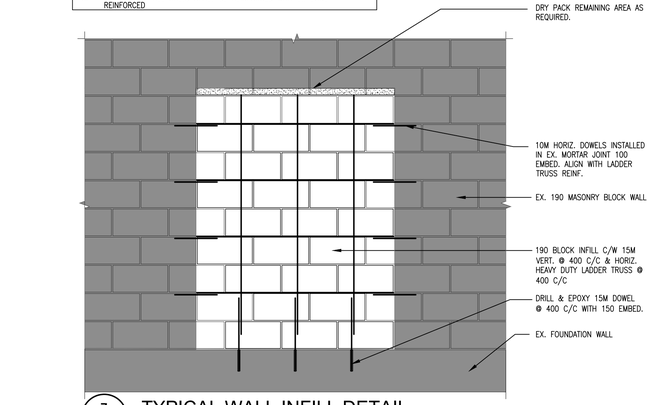


NOTES:
1. SAWCUTTING SHALL BE CARRIED OUT WITHIN 6 TO 18 HOURS OF PLACING CONCRETE.
2. AFTER THE SLAB IS 30 DAYS OLD, REMOVE ALL DEBRIS FROM THE SAWCUTS AND FILL WITH SPECIFIED JOINT FILLER.
3. SPACE SAWCUTS AT 2500mm C/C MAX U.N.O. ON PLAN

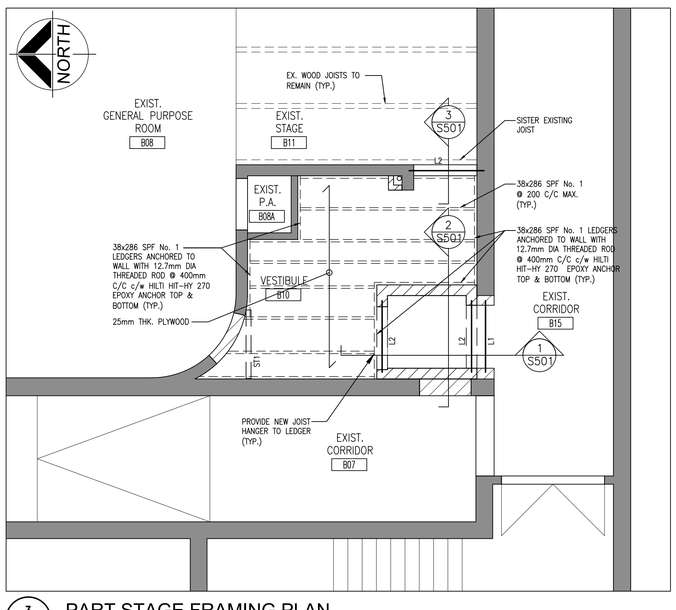


4 / S201 TYP. SLAB SAWCUT
1:20

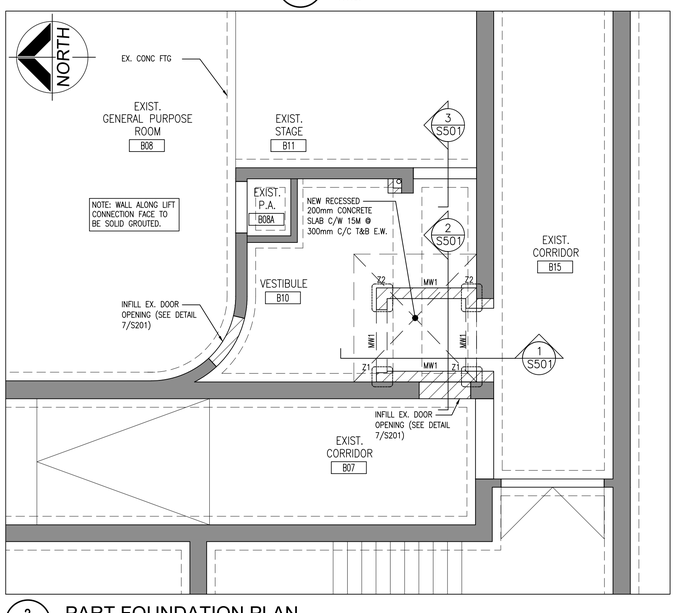




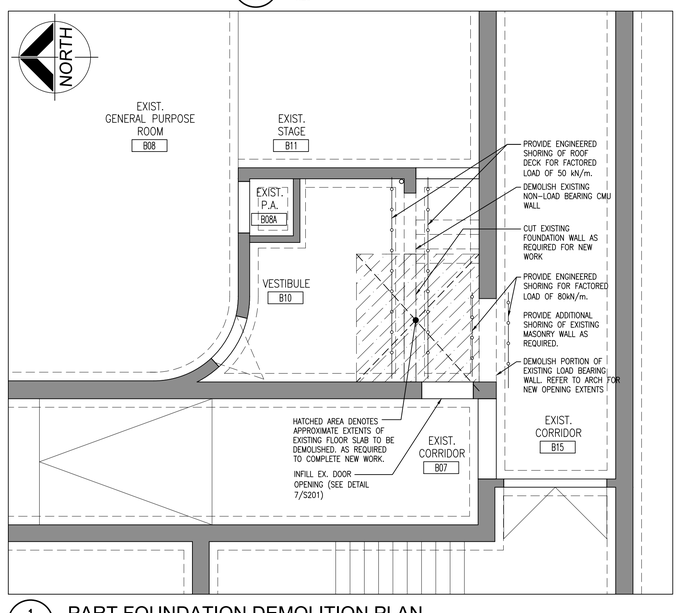
7 / S201 TYPICAL WALL INFILL DETAIL
NT.S.



3 / S201 PART STAGE FRAMING PLAN
1:50



2 / S201 PART FOUNDATION PLAN
1:50



1 / S201 PART FOUNDATION DEMOLITION PLAN
1:50

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tdsb Toronto District School Board

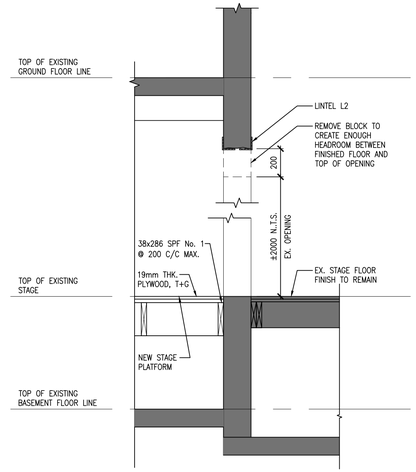
NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	FEB. 26, 2026	BBA
2	ISSUED FOR PERMIT & TENDER	APRIL 1, 2026	BBA
3	ISSUED FOR TENDER	APRIL 29, 2026	BBA

BBA BARRY BRYAN ASSOCIATES

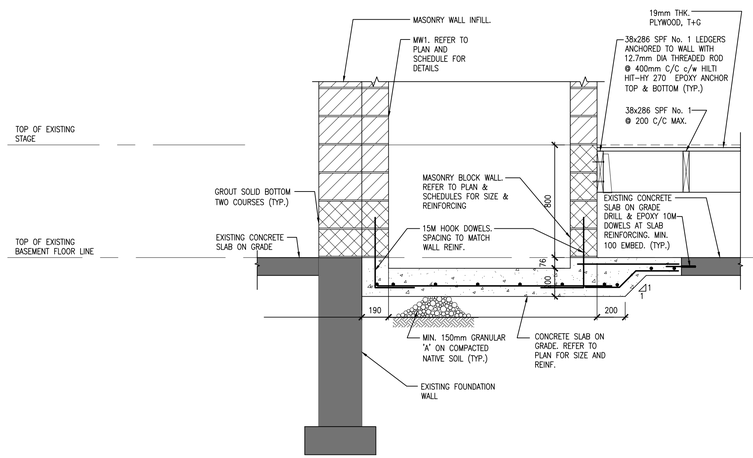
PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
PART FOUNDATION PLAN & TYPICAL DETAILS

DESIGN BY:	BBA
DRAWN BY:	LQ
CHECKED BY:	CM
DATE:	26-02-10
SCALE:	AS SHOWN
SEAL:	
PROJECT NO:	25252
DRAWING NO:	S201



3 S501 SECTION
1:20



2 S501 SECTION
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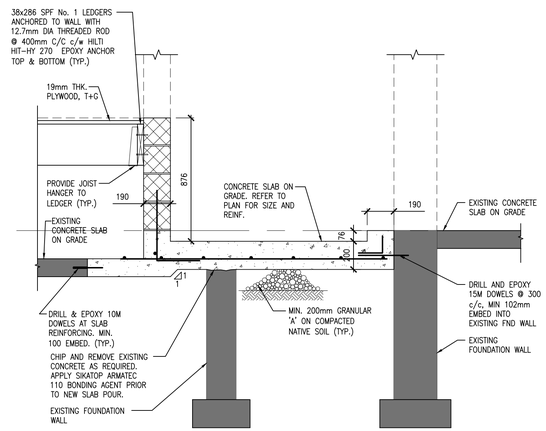

1 S501 SECTION
1:20

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tdsb
Toronto District School Board

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BBA
BARRY BRYAN ASSOCIATES

PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
SECTIONS

DESIGN BY:	SEAL:
BBA	
DRAWN BY:	
LQ	
CHECKED BY:	
CM	
DATE:	
26-02-12	
SCALE:	
AS SHOWN	
PROJECT NO:	DRAWING NO:
25252	**S501**

LEGEND (NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECSSARILY USED ON THIS PROJECT)

VALVES

NEW

- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- GLOBE VALVE (TOP / SIDE)
- CIRCUIT BALANCING VALVE
- HORIZONTAL VALVE
- ANGLE GLOBE VALVE
- AUTO-FLOW BALANCING VALVE
- TWO-WAY CONTROL VALVE
- TERMINAL CONTROL AND BALANCE VALVE
- PRESSURE INDEPENDENT CONTROL VALVE (PICV)
- THREE-WAY CONTROL VALVE
- SOLENOID OPERATED VALVE
- PLUG VALVE
- SHUTOFF COCK
- MANUAL THREE-WAY VALVE
- HAND WHEEL - RISING STEM (OS&Y)
- HAND WHEEL - NON-RISING STEM
- HAND WHEEL - SUPERVISED
- GEAR OPERATED MANUAL VALVE
- PINCH VALVE
- NEEDLE VALVE
- QUICK OPEN VALVE
- QUICK CLOSE VALVE
- BACK FLOW PREVENTER
- SWING CHECK VALVE
- SPRING TYPE CHECK VALVE
- INLINE MULTIPURPOSE VALVE
- ANGLE MULTIPURPOSE VALVE
- REDUCED PRESSURE BACKFLOW PREVENTER
- DOUBLE CHECK VALVE ASSEMBLY
- DIFFERENTIAL PRESSURE CONTROL VALVE
- DIFFERENTIAL PRV REGULATOR
- REDUCING REGULATOR
- GAS PRV
- SAFETY OR RELIEF VALVE
- HOSE BIBB VALVE

STEAM TRAPS

- INVERTED BUCKET
- FLOAT AND THERMOSTATIC
- THERMOSTATIC
- THERMODYNAMIC (DISK)
- VARIABLE ORIFICE (PITON)
- FIXED ORIFICE

PIPE FITTINGS

- 90 DEGREE ELBOW
- 45 DEGREE ELBOW
- ELBOW UP
- ELBOW DOWN
- PIPE CAP
- TEE
- TEE UP
- TEE DOWN
- BOTTOM BRANCH
- TOP BRANCH
- FLANGE
- SCREWED UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER (FLAT ON BOTTOM)
- ECCENTRIC REDUCER (FLAT ON TOP)
- QUICK CONNECT
- SIGHT GLASS

PIPE ACCESSORIES

- SIGHT GLASS
- VACUUM BREAKER
- GAS METER
- WATER METER
- MAGNETIC FLOW METER
- FLEXIBLE CONNECTION
- HEAT TRACE (INSULATED)
- HEAT TRACE (NON-INSULATED)
- THRUST BLOCK
- PIPE ANCHOR
- PIPE GUIDES
- EXPANSION COMPENSATOR
- AUTO VENT
- MANUAL VENT
- AIR SEPARATOR
- PIPE SPRING HANGER
- PUMP SUCTION DIFFUSER
- BASKET STRAINER
- PIPE STRAINER
- PIPE STRAINER - WITH BLOWDOWN
- PIPE STRAINER - WITH BALL VALVE BLOWDOWN AND HOSE CONNECTION

MULTI-LINE VALVE SYMBOLS

- PIPE CAP
- REDUCER: CONCENTRIC
- REDUCER: ECCENTRIC
- TEE
- PIPE
- PIPE HANGER
- PIPE SLEEVE
- FLANGES: SLIP ON
- FLANGES: WELD NECK
- FLANGES: BLIND
- ELBOW DOWN (90°)
- ELBOW UP (90°)
- 11.25° ELBOW
- 22.5° ELBOW
- 45° ELBOW
- 90° ELBOW
- BUTTERFLY VALVE (WITH WELDNECK FLANGES)
- BUTTERFLY VALVE (WITH BLIND FLANGES)

PLUMBING & DRAINAGE

- SHOWER HEAD
- SINGLE / DOUBLE GAS SUPPLY VALVE
- FUNNEL FLOOR DRAIN / SQUARE FLOOR DRAIN
- FLOOR DRAIN / FLOOR DRAIN WITH TRAP
- HUB DRAIN / WITH TRAP
- ROOF DRAIN
- CLEAN OUT PLUG / FLOOR
- P-TRAP / P-TRAP BELOW GRADE
- SINK TRAP
- HOT / DRAIN / COLD CONNECTIONS
- WATER HAMMER ARRESTOR
- PLUMBING EQUIPMENT - INTERCEPTOR
- PLUMBING EQUIPMENT - WATER HEATER

PIPE INSTRUMENTS

- FLOW MEASUREMENT PORT
- INSTRUMENT WELL
- PRESSURE GAUGE
- TEMPERATURE OR PRESSURE TAP
- TEMPERATURE GAUGE

FIRE PROTECTION

NOTE: DEMOLISHED ITEMS WITH "R" DENOTES "SAVE FOR REINSTALLATION IN NEW LOCATION"

- PENDANT
- PENDANT (EXISTING TO REMAIN)
- PENDANT (DEMOLISHED)
- PENDANT (REMOVE AND REINSTALL IN NEW LOCATION)
- RECESSED
- UPRIGHT
- CONCEALED
- DRY PENDANT
- DRY PENDANT (EXISTING)
- PRE-ACTION
- SIDEWALL
- CONCEALED SIDEWALL
- RECESSED SIDEWALL
- FIRE HOSE CABINET
- FIRE HOSE CABINET WITH HOSE REEL
- FIRE VALVE CABINET
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER (EXISTING)
- SURFACE MOUNTED F.E. CABINET
- SEMI-RECESSED F.E. CABINET
- FULLY RECESSED F.E. CABINET
- FIRE DEPARTMENT CONNECTION
- FIRE DEPARTMENT TEST CONNECTION
- WET ALARM VALVE
- DRY ALARM VALVE
- PRE-ACTION ALARM VALVE
- FIRE HAZARD LEVEL

SITE ELEMENTS:

- SPLASH PAD
- CATCH BASIN
- CATCH BASIN (HALF)
- MANHOLE
- FIRE HYDRANT (SINGLE OUTLET)
- FIRE HYDRANT (DOUBLE OUTLET)
- FIRE HYDRANT (TRIPLE OUTLET)
- FIRE HYDRANT (QUAD OUTLET)

CONTROLS AND CONTROL POINTS

- CONTROL WIRE
- THERMOSTAT / SPACE TEMPERATURE SENSOR
- THERMOSTAT WITH GUARD
- HUMIDISTAT / HUMIDITY SENSOR
- CO2 SENSOR
- SWITCH
- PUSH BUTTON
- FLOW SWITCH
- PRESSURE SWITCH
- CONTROL POINT - ANALOG INPUT
- CONTROL POINT - ANALOG OUTPUT
- CONTROL POINT - DIGITAL INPUT
- CONTROL POINT - DIGITAL OUTPUT
- CONTROL POINT - BACNET COMMUNICATIONS
- VARIABLE FREQUENCY DRIVE
- END SWITCH
- DAMPER MOTOR
- TEMPERATURE PROBE
- FLOW TRANSMITTER
- HUMIDITY PROBE
- DIFFERENTIAL PRESSURE
- FREEZE STAT
- OUTSIDE AIR TEMPERATURE SENSOR
- VARIABLE FREQUENCY DRIVE
- PRESSURE SENSOR
- BTU METER

EXISTING/DEMOLISHED PIPING:

- [TYPE] EXISTING PIPEWORK TO BE DEMOLISHED
- [TYPE] EXISTING PIPEWORK TO REMAIN
- DCW EXISTING DOMESTIC COLD WATER
- DHW EXISTING DOMESTIC HOT WATER
- DHWR EXISTING DOMESTIC HOT WATER RECIRC.

PLUMBING:

- CA COMPRESSED AIR PIPE
- CV CENTRAL VAC - DRY MOP
- CV-W CENTRAL VAC - WET
- DCW DOMESTIC COLD WATER
- DHW DOMESTIC HOT WATER
- DHWR DOMESTIC HOT WATER RECIRC.
- PB DOMESTIC COLD WATER - PRESSURE BOOSTED
- SW SOFTENED DOMESTIC WATER
- TW DOMESTIC TEMPERED WATER
- NPW NON-POTABLE WATER PIPE
- SAN SANITARY DRAINAGE
- SAN↓ SANITARY DRAINAGE (BELOW)
- V SANITARY VENT
- STW STORM WATER DRAINAGE
- STW↓ STORM WATER DRAINAGE (BELOW)
- AW ACID WASTE DRAINAGE PIPE
- AV ACID VENT PIPE
- GW GREY WATER DRAIN
- WT WEEPING TILE

FUEL PIPING:

- G NATURAL GAS - LOW PRESSURE
- MG NATURAL GAS - MEDIUM PRESSURE
- HG NATURAL GAS - HIGH PRESSURE
- P PROPANE
- FOF FUEL OIL SUPPLY
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN
- FOV FUEL VENT

HEATING/COOLING PIPING:

- HWS HEATING WATER SUPPLY
- HWR HEATING WATER RETURN
- HGS HEATING GLYCOL SUPPLY
- HGR HEATING GLYCOL RETURN
- DTWS DUAL TEMPERATURE WATER SUPPLY
- DTWR DUAL TEMPERATURE WATER RETURN
- CWS CHILLED WATER SUPPLY
- CWR CHILLED WATER RETURN
- CS CONDENSER WATER SUPPLY
- CR CONDENSER WATER RETURN
- GWS GROUND WATER SUPPLY
- GWR GROUND WATER RETURN
- CGS CHILLED GLYCOL SUPPLY
- CGR CHILLED GLYCOL RETURN
- BS BRINE SUPPLY
- BR BRINE RETURN
- BV BRINE VENT
- RL REFRIGERANT LIQUID SUPPLY
- RV REFRIGERANT VAPOUR RETURN
- LPS LOW PRESSURE STEAM
- LPC LOW PRESSURE CONDENSATE
- MV MEDIUM PRESSURE STEAM
- MV MEDIUM PRESSURE CONDENSATE
- HPS HIGH PRESSURE STEAM
- HPC HIGH PRESSURE CONDENSATE

LAB GAS:

- LCA LAB COMPRESSED AIR
- CO2 LAB CARBON DIOXIDE GAS
- H2 LAB HYDROGEN GAS
- LN2 LIQUID NITROGEN
- N2 LAB NITROGEN GAS
- O2 LAB OXYGEN GAS
- VAC LAB VACUUM PIPING

MEDICAL GAS:

- MA MEDICAL AIR
- CO2 MEDICAL CO2
- N2 MEDICAL NITROGEN
- N2O MEDICAL NITROUS OXIDE
- O2 MEDICAL OXYGEN
- MGS MEDICAL GAS SCAVENGING
- MV MEDICAL VACUUM

MEDICAL GAS VALVES

- MEDICAL GAS ZONE VALVE
- MEDICAL GAS OUTLET (TYPE INDICATED)
- MEDICAL GAS - NON RETURN VALVE

SPRINKLER AND FIRE PROTECTION

- FIRE PROTECTION ZONE
- FIRE PROTECTION RATING
- F XXXØ FIRE PROTECTION PIPE
- SP XXXØ SPRINKLER MAIN
- XXXØ SPRINKLER BRANCH PIPING
- DSP XXXØ DRY SPRINKLER PIPING
- PA XXXØ PRE-ACTION SPRINKLER PIPING
- IG XXXØ INERT GAS (CLEAN AGENT) PIPE

VENTILATION:

- TERMINAL BOX / WITH ATTENUATOR / AND REHEAT COIL
- DNDP RISE
- [TYPE] EXISTING DUCT TO REMAIN (TYPE INDICATED)
- EXISTING DUCT TO BE DEMOLISHED
- S/A SUPPLY AIR DUCT
- R/A RETURN AIR DUCT
- T/A TRANSFER AIR DUCT
- O/A OUTDOOR AIR DUCT
- G/E GENERAL EXHAUST DUCT
- W/E WASHROOM EXHAUST DUCT
- K/E KITCHEN EXHAUST DUCT
- F/E FUME HOOD EXHAUST DUCT
- RECTANGULAR DUCTS UP: (SUPPLY / RETURN / EXHAUST)
- RECTANGULAR DUCTS DOWN: (SUPPLY / RETURN / EXHAUST)
- MOTORIZED DAMPER / BALANCING DAMPER
- FIRE DAMPER / SMOKE DAMPER / COMBINATION FIRE-SMOKE DAMPER
- ROUND ELBOWS - 45°: R1.0 / R1.5 / R2.0
- ROUND ELBOWS - 90°: R1.0 / R1.5 / R2.0
- RECTANGULAR ELBOWS - 45°: R1.0 / R1.5
- RECTANGULAR ELBOWS - 90°: R1.0 / R1.5
- RECTANGULAR ELBOWS WITH TURNING VANES: (90° R1.0 / 45° R1.0 / 90° SQUARE)
- ACOUSTICALLY LINED DUCT
- GRILLES AND DIFFUSERS: SUPPLY / RETURN / EXHAUST
- SUPPLY DIFFUSERS: SQUARE / ROUND PLAQUE OR CONE
- HORIZONTAL OR WALL GRILLES / DIFFUSER: SUPPLY / RETURN OR EXHAUST.

- PIPEWORK SHORTENED FOR CLARITY
- PIPEWORK CONTINUED ELSEWHERE
- PIPEWORK SHORTENED FOR CLARITY (ALTERNATE SYMBOL)
- PIPE FLOW ARROW (SMALL)
- PIPE FLOW ARROW (LARGE)

EQUIPMENT:

- PUMP
- FIN TUBE RADIATION
- FIN TUBE RADIATION IN CABINET
- RADIANT PANEL
- UNIT HEATER (HORIZONTAL)
- UNIT HEATER (VERTICAL)

MECHANICAL ACRONYMS:

ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AP	ACCESS PANEL
AS	AIR SEPARATOR
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
FD	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER
FT	FLASH TANK
FTR	FINNED TUBE RADIATOR
H	HUMIDIFIER
MD	MOTORIZED DAMPER
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
SA	SOUND ATTENUATOR
SD	SMOKE DAMPER
SRV	SAFETY RELIEF VALVE

EQUIPMENT ACRONYMS:

ACU-	AIR CONDITIONING UNIT
AHU-	AIR HANDLING UNIT
CAV-	CONSTANT AIR VOLUME TERMINAL UNIT
CH-	CHILLER
CP-	CONDENSATE PUMP
CU-	CONDENSING UNIT
CSG-	CLEAN STEAM GENERATOR
CUH-	CABINET UNIT HEATER
EAHU-	EXHAUST AIR HANDLING UNIT
EFC-	EVAPORATIVE FAN COOLER
ERV-	ENERGY RECOVERY VENTILATOR
ET-	EXPANSION TANK
EX-	EXHAUST FAN
FCU-	FAN COIL
HRC-	HEAT RECOVERY COIL
HVU-	HEATING/VENTILATING UNIT
HX-	HEAT EXCHANGER
UH-	UNIT HEATER
VAV-	VARIABLE AIR VOLUME TERMINAL BOX
VFD-	VARIABLE FREQUENCY DRIVE
P-	PUMP
HC-	HEATING COIL
CC-	COOLING COIL
RHC-	REHEAT COIL
SC-	STEAM COIL
PF-	PRE-FILTER
FF-	FINAL FILTER
EF-	EXHAUST FAN
SF-	SUPPLY FAN
RF-	RETURN FAN
SAV-	SUPPLY AIR VALVE
EAV-	RETURN AIR VALVE

PIPE RISE / DROPS

- UP FROM BELOW / UP TO ABOVE
- DOWN TO BELOW / DOWN FROM ABOVE
- VENT UP FROM BELOW / UP TO ABOVE
- VENT UP FROM BELOW / UP TO VENT CAP

TAGS

- SCHEMATIC INLET/OUTLET
- TYPE — PLUMBING FIXTURE TYPE TAG
- TYPE / SIZE / FLOW — GRILLE / DIFFUSER TAG
- TYPE / EN LENGTH / OUTPUT — FIN TUBE RADIATION TAG
- TYPE / OUTPUT — RADIANT PANEL TAG
- XXXX — EQUIPMENT IDENTIFICATION TAG
- TP / # — TIE-IN POINT

DRAWING LIST:

DRAWING:	DESCRIPTION:	SCALE:
M0-00	MECHANICAL DRAWING LIST, LEGEND, & GENERAL NOTES	N.T.S.
M1-00	MECHANICAL KEY PLAN	1 : 50
M2-00	MECHANICAL PLAN	1 : 50

GENERAL NOTES:

NOTE:	DESCRIPTION:
1.	THIS DRAWING SET SHALL BE READ IN CONJUNCTURE WITH ARCHITECTURAL DRAWINGS.
2.	THIS DRAWING SET SHALL BE READ IN CONJUNCTURE WITH THE MECHANICAL SPECIFICATIONS PROVIDED.
3.	THESE DRAWINGS DO NOT REPRESENT A FULLY COORDINATED INFORMATION PACKAGE FOR THE PURPOSES OF CONSTRUCTION, AND DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENT TO COORDINATE THE WORK IN ALL RESPECTS.
4.	IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES AND SUPPLIERS TO ACHIEVE COMPLETE AND OPERATIONAL BUILDING SYSTEMS.
5.	DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
6.	ALL EXISTING EQUIPMENT TO REMAIN SHALL BE INSPECTED AND TESTED FOR PROPER OPERATIONS. REPORT RESULTS OF INSPECTION AND TESTING TO CONSULTANT.

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tdsb
Toronto District School Board

NO.	ISSUES/ REVISIONS	DATE	BY
01	ISSUED FOR 60% REVIEW	2026 02 17	DT/AM
02	ISSUED FOR PERMIT & TENDER	2026 04 01	DT/AM
03	ISSUED FOR TENDER	2026 04 29	DT/AM

MCW Consultants Ltd.
Vancouver Calgary Edmonton Dauphin Winnipeg Toronto Thunder Bay Ottawa Moncton Saint John Truro Halifax
25301-25
Queen's Quay Terminal
207 Queen's Quay West, Suite 615
Toronto, Ontario, M5J 1A7
Tel: 416-598-2920
Fax: 416-598-5394
www.mcw.com

BARRY BRYAN ASSOCIATES

PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOAR

DRAWING:
MECHANICAL LEGEND AND GENERAL DRAWING NOTES

DESIGN BY:	AM
DRAWN BY:	AM
CHECKED BY:	PT
DATE:	APR. 2026
SCALE:	N.T.S.
SEAL:	
PROJECT NO:	25301-24
DRAWING NO:	M0-00

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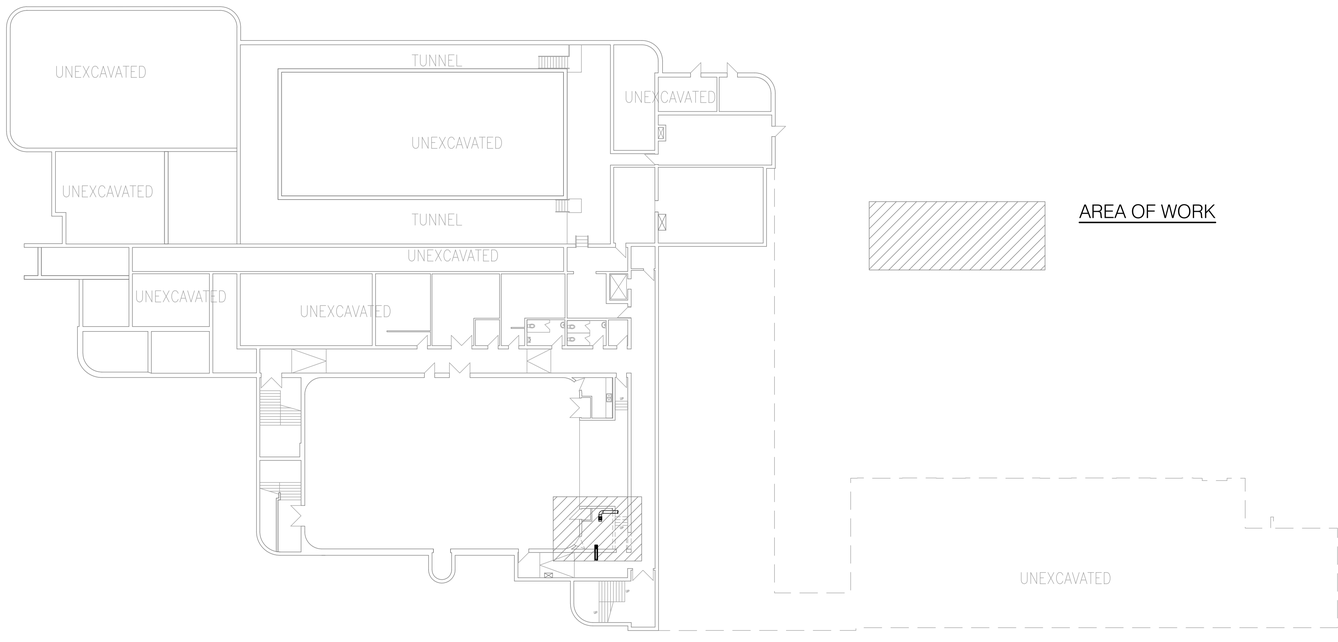

1
M1-00

BASEMENT KEY PLAN
Scale: 1:250

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Vancouver Calgary
Edmonton Dauphin
Winnipeg Toronto
Thunder Bay
Ottawa Moncton
Saint John Truro
Halifax
Queen's Quay Terminal
207 Queen's Quay West, Suite 615
Toronto, Ontario, M5J 1A7
Tel: 416-598-2020
Fax: 416-598-5394
www.mcw.com
25301-25

BARRY BRYAN ASSOCIATES

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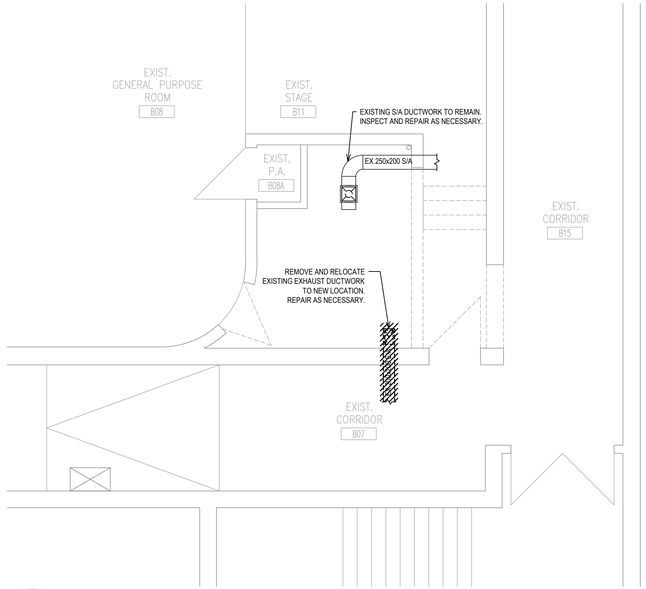
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
MECHANICAL KEY PLAN

DESIGN BY: AM
DRAWN BY: AM
CHECKED BY: PT
DATE: APR. 2026
SCALE: N.T.S.
SEAL:

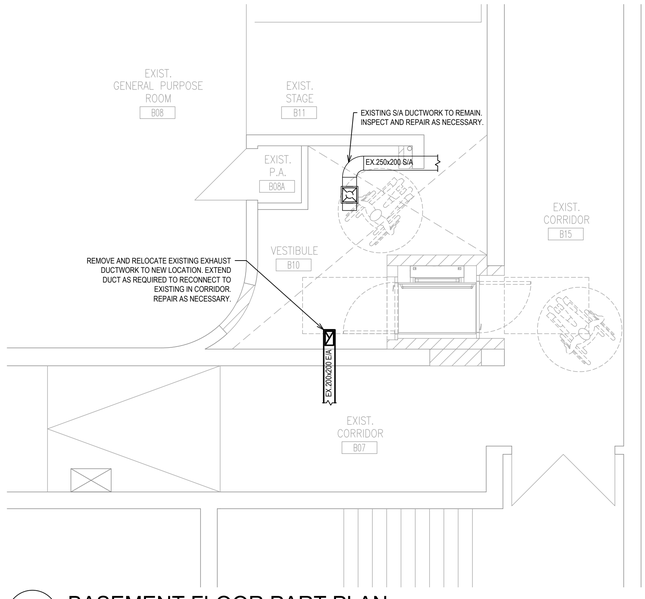
PROJECT NO: 25301-24
DRAWING NO: M1-00



1 M2-00

BASEMENT DEMOLITION PLAN

Scale: 1:50



1 M2-00

BASEMENT FLOOR PART PLAN

Scale: 1:50

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03	RE-ISSUED FOR TENDER	2026 04 29	DT/AM

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TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
MECHANICAL PLAN

DESIGN BY:	AM
DRAWN BY:	AM
CHECKED BY:	PT
DATE:	APR. 2026
SCALE:	N.T.S.
SEAL:	
PROJECT NO:	25301-24
DRAWING NO:	M2-00

ELECTRICAL SYMBOL LEGEND

NOTE:

SYMBOLS SHOWN ON THIS LEGEND ARE NOT NECESSARILY USED ON THIS PROJECT.

LIGHTING

- RECESSED 2'X4'LIGHTING FIXTURES
- DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING - REMOTE HEADS
- CEILING MOUNTED EMERGENCY LIGHTING REMOTE HEAD
- EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS. EXIT LIGHTING: SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. DIRECTIONAL ARROWS AS INDICATED.
- WALL MOUNTED DOUBLE FACED EXIT LIGHT
- WALL MOUNTED SINGLE FACED EXIT LIGHT
- CEILING MOUNTED DOUBLE FACED EXIT LIGHT
- CEILING MOUNTED SINGLE FACED EXIT LIGHT

COMMUNICATIONS

- TELEVISION OUTLET - WALL MOUNTED
- TELEVISION OUTLET - FLUSH CEILING MOUNTED
- DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
- DATA OUTLET - FLUSH CEILING MOUNTED
- DATA OUTLET - FLUSH FLOOR MOUNTED
- PUBLIC ADDRESS SPEAKER REFER TO SCHOOLBOARD STANDARD SPECIFICATION
- DOUBLE GANGED AV OUTLET C/W PLASTER RING

FIRE ALARM SYSTEM

- PULL STATION
- FLUSH / SURFACE MOUNTED HORN
- STROBE - CEILING / WALL MOUNTED
- SMOKE DETECTOR - WALL OR CEILING MOUNTED
- AUTOMATIC COMBINATION FIXED TEMPERATURE/RATE OF RISE HEAT DETECTOR - CEILING / WALL MOUNTED

SECURITY SYSTEM

- ACCESS CONTROL CARD READER
- ACCESS CONTROL DOOR CONTACT
- ACCESS CONTROL ELECTRIC STRIKE
- VIDEO SURVEILLANCE CAMERA
- INTERCOM

EQUIPMENT CONNECTIONS & CONTROLS

- DIRECT CONNECTION - 120 OR 208V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- MOTOR CONNECTION AS SPECIFIED
- MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH
- MOTOR CONNECTION C/W FUSED DISCONNECT SWITCH
- MOTOR CONNECTION C/W LOOSE STARTER
- MOTOR STARTER AS SPECIFIED
- UNFUSED DISCONNECT SWITCH
- DIRECT CONNECTION - 120 OR 208V AS SPECIFIED
- DIRECT CONNECTION - 374 OR 600V AS SPECIFIED
- RECESS MOUNTED ELECTRICAL PANEL
- SURFACE MOUNTED ELECTRICAL PANEL

GENERAL POWER

- 15A, U-GROUND DUPLEX RECEPTACLE
- (5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE
- 15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- (5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER
- 15A, U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- (5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE

LIGHTING CONTROL

- ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES
- F — OCCUPANCY SENSOR SWITCH / FAN CONTROL SWITCH
- FV — VARIABLE SPEED FAN CONTROL SWITCH
- T — MANUAL TIMER SWITCH
- D — DIMMER SWITCH
- TC — PROGRAMMABLE TIME CLOCK
- OS — CEILING MOUNTED OCCUPANCY SENSOR

MISCELLANEOUS

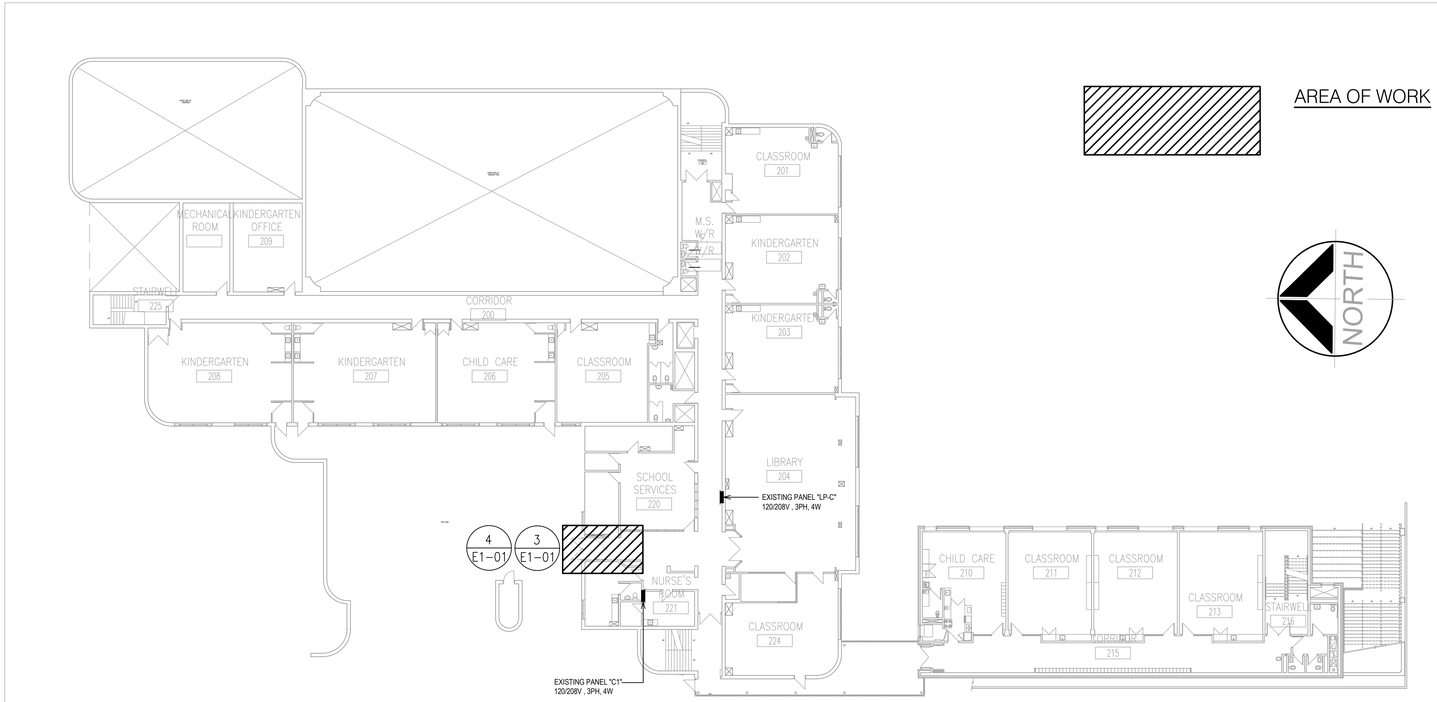
- E — INDICATES EXISTING DEVICE TO REMAIN
- RL — INDICATES EXISTING DEVICE IN RELOCATED POSITION
- BK — INDICATES BLACK COVER PLATE
- 1 — ELECTRICAL DRAWING KEY NOTES
- R/R — REMOVE & RE-INSTALL

DRAWING LIST:

DRAWING:	DESCRIPTION:	SCALE:
E0-01	ELECTRICAL LEGEND, GENERAL NOTES, KEY PLAN AND DRAWING LIST	N.T.S.
E1-01	ELECTRICAL PLANS	1:50

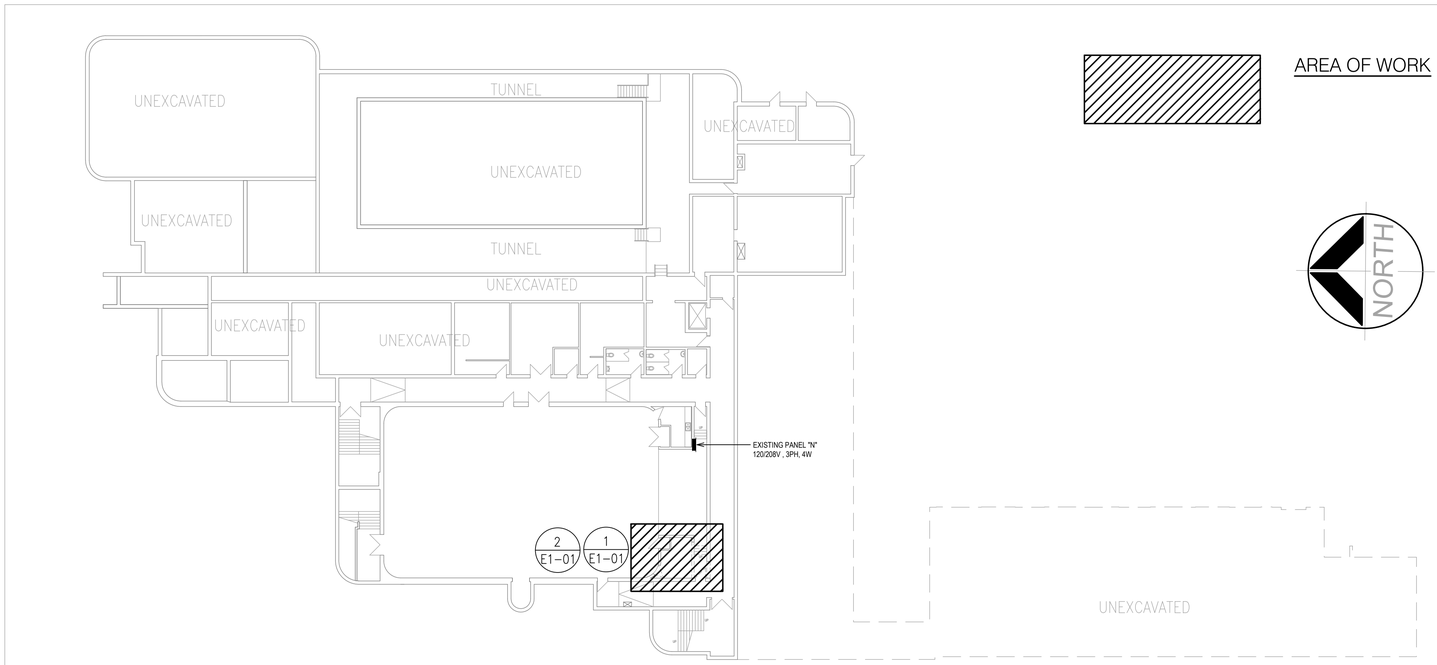
GENERAL NOTES:

NOTE:	DESCRIPTION:
1.	THE ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC. THE ELECTRICAL INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES SO THAT INTERFERENCES BETWEEN THE ELECTRICAL INSTALLATION AND ARCHITECTURAL, STRUCTURE, MECHANICAL, PLUMBING, FIRE PROTECTION AND EQUIPMENT INSTALLATION WILL BE AVOIDED.
2.	REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE RELATED PARTITIONS, CABINET AND CASE WORK AND BUILT-IN DETAILS.
3.	ALL THE FINAL CONNECTIONS SHOWN ON THE DRAWINGS ARE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION. CO-ORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
4.	ELECTRICAL SYSTEM EQUIPMENTS AND COMPONENTS SHALL BE CERTIFIED BY A RECOGNIZED TESTING AGENCY PER THE SCC.
5.	ALL WIRING TO BE SIZE #12 AWG UNLESS NOTED OTHERWISE.
6.	CIRCUIT NUMBERS SHOWN ARE GROUPING ONLY. REFER ON JOB-SITE FOR EXACT CIRCUIT USED.
7.	PROVIDE UPDATED TYPED PANEL DIRECTORY TO REPLACE EXISTING DIRECTORY



2 E0-01 SECOND FLOOR KEY PLAN

Scale: 1:250



1 E0-01 BASEMENT KEY PLAN

Scale: 1:250

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Vancouver Calgary Edmonton Dauphin Winnipeg Toronto Thunder Bay Ottawa Moncton Saint John Truro Halifax
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25301-25

BARRY BRYAN ASSOCIATES

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ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
ELECTRICAL LEGEND, GENERAL NOTES, KEY PLAN AND DRAWING LIST

DESIGN BY:	DT
DRAWN BY:	DT
CHECKED BY:	RL
DATE:	FEB. 2026
SCALE:	N.T.S.
SEAL:	
PROJECT NO:	25301-24
DRAWING NO:	E0-01

LIGHTING FIXTURE SCHEDULE

SYMBOLS	BASE MANUFACTURER (AS SPECIFIED)	MODEL NO.	CEILING TYPE			WALL TYPE			No. OF LAMPS	WATTAGE	BALLAST VOLTAGE			REMARKS
			SURFACE	RECESSED	SUSPENDED	SURFACE	RECESSED	BRACKET			120 V.	347 V.	24 VDC.	
L1	COLUMBIA LIGHTING	MULTIPURPOSE LINEAR LED CAT# MPS4-40MW-CW-ED-U C/W WIRE GUARD	●		●	●				44.7W LED	●			CONTACT: RICK ARDENTE CELL: 905.706.9789 rardente@omnilumen.com
L2	PEERLUX LIGHTING	WET LOCATION LEDLUMINAIRE CAT# AP2W-2-22-40-P3-LA-S-W-MV	●			●				21W LED	●			
EM	EMERGI-LITE	EMERGENCY BATTERY UNIT 24V, 200WATT CAT#:24ESL200 WITH 10MIN TURN OFF DELAY				●					●		●	

IMPORTANT NOTE

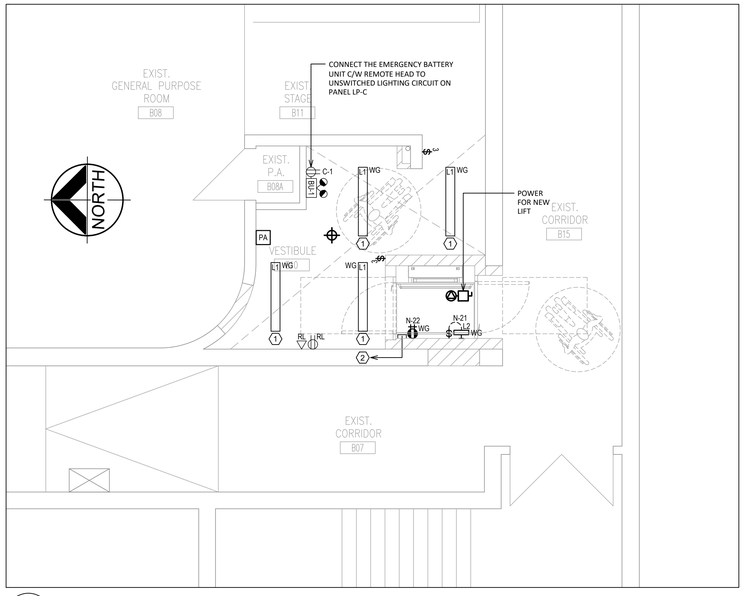
ALL EXISTING POWER OUTLETS, COMMUNICATION OUTLETS, AND OTHER DEVICES INDICATED FOR DEMOLITION ON BLOCK WALL SHALL BE COMPLETELY REMOVED, INCLUDING DEVICE, COVER PLATE, BACK BOX, AND ASSOCIATED CONDUIT AND WIRING TO THE NEAREST ACTIVE JUNCTION BOX OR SOURCE. COMPLETELY PATCH AND RESTORE WALL SURFACE TO MATCH EXISTING ADJACENT FINISH. INSTALLATION OF BLANK COVER PLATES IS NOT PERMITTED.

ELECTRICAL KEY NOTES

KEYNOTE	DESCRIPTION
1	CONNECT NEW LIGHT FIXTURE TO THE EXISTING LIGHTING CIRCUIT C/W NEW WIRE AND CONDUIT TO THE NEAREST JUNCTION BOX SERVING THE LIGHTING CIRCUIT. PROVIDE SUPPORT INDEPENDENT OF THE CEILING SYSTEM STRUCTURE AS REQUIRED.
2	ELECTRICAL CONTRACTOR TO PROVIDE 3/4" CONDUIT FROM ELEVATOR MACHINE ROOM TO MAIN TELEPHONE ROOM C/W 1 X CAT6 WITH BLUE JACKET FOR A DEDICATED TELEPHONE LINE TERMINATING AT THE PRIMARY ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEM.
3	PROVIDE ONE (1) GFCI RECEPTACLE COMPLETE WITH WEATHERPROOF COVER AND LABEL "FOR LIFT USE". EXACT LOCATION TO BE COORDINATED WITH ELEVATOR CONTRACTOR
4	PROVIDE 21mm EMPTY CONDUIT COMPLETE WITH PULL STRING TO EXISTING SECURITY CONTROL PANEL. VERIFY EXACT LOCATION ON SITE PRIOR TO PRICING AND ROUGH-IN

ELECTRICAL DEMOLITION KEY NOTES:

KEYNOTE:	DESCRIPTION:
1	CONTRACTOR SHALL INVESTIGATE AND VERIFY ALL EXISTING ELECTRICAL CONDUITS, WIRING, AND RELATED SERVICES WITHIN WALLS AND FLOORS AFFECTED BY THE NEW ELEVATOR INSTALLATION. X-RAY AS REQUIRED PRIOR TO SAW-CUTTING OR CORING TO IDENTIFY EMBEDDED ELECTRICAL SERVICES. ANY ELECTRICAL SERVICES THAT CONFLICT WITH THE NEW ELEVATOR SHAFT, PIT, OR STRUCTURAL OPENINGS SHALL BE SAFELY DISCONNECTED, REMOVED, AND/OR RELOCATED AS REQUIRED. ENSURE CONTINUITY OF ALL EXISTING CIRCUITS SERVING AREAS TO REMAIN AND COORDINATE WITH ALL TRADES PRIOR TO CUTTING OR DEMOLITION.
2	EXISTING LIGHTING CONTROL TO BE DISCONNECTED AND REMOVED. PATCH THE BRICK WALL AS REQUIRED.
3	EXISTING LIGHTING FIXTURE TO BE DISCONNECTED, REMOVED AND DISPOSED THE FIXTURE OFF SITE. REMOVE ALL EXISTING FIXTURE SUPPORTS TO THE STRUCTURE AND WIRING TO THE NEAREST JUNCTION BOX SERVING THE LIGHTING CIRCUIT IN THE THIS ROOM.
4	EXISTING SURFACE MOUNTED POWER AND COMMUNICATION OUTLETS TO BE DISCONNECTED AND RELOCATED.



2 E1–01 PART BASEMENT ELECTRICAL PLAN
1:50

■◆ VIA TIME SWITCH
■◆◆ PROVIDE BREAKER LOCKING DEVICES

EXISTING PANEL 'C1'

■ 225 A, 120/208 V, 3 ϕ, 4 W. MAINS
☐ A, V, ϕ, W. MAINS
■ RECESSED ☐ SURFACE MOUNTED
☐ DOUBLE LUGS

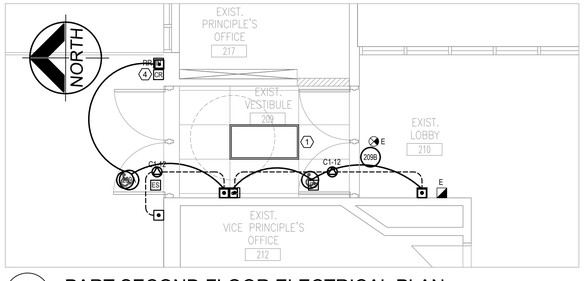
DESCRIPTION	LOAD	BKR	CCT		CCT	BKR	LOAD	DESCRIPTION
EXISTING SERVICES		15A	1		2	15A		EXISTING SERVICES
EXISTING SERVICES		15A	3		4	15A		EXISTING SERVICES
EXISTING SERVICES		15A	5		6	15A		EXISTING SERVICES
EXISTING SERVICES		15A	7		8	15A		EXISTING SERVICES
EXISTING SERVICES		15A	9		10	15A		EXISTING SERVICES
EXISTING SERVICES		15A	11		12	15A	500	DOOR OPERATOR
TOTAL CONNECTED LOAD = 500 WATT + EXISTING SERVICES								

■◆ VIA TIME SWITCH
■◆◆ PROVIDE BREAKER LOCKING DEVICES

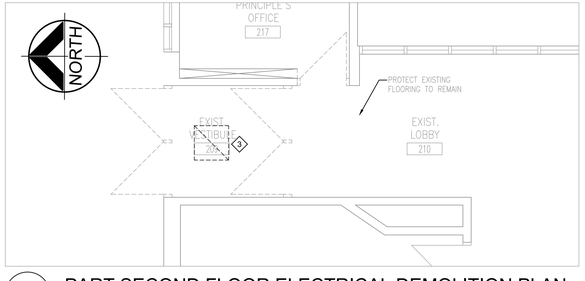
EXISTING PANEL 'N'

■ 100 A, 120/208 V, 3 ϕ, 4 W. MAINS
☐ A, V, ϕ, W. MAINS
■ RECESSED ☐ SURFACE MOUNTED
☐ DOUBLE LUGS

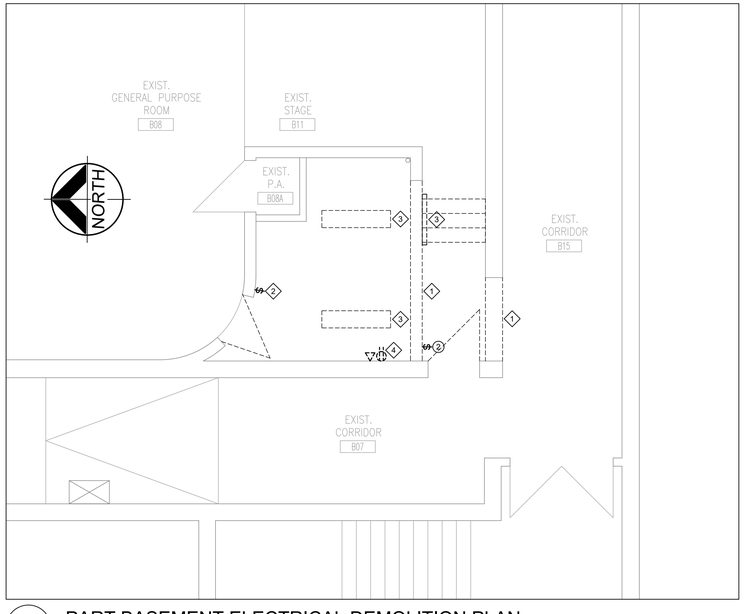
DESCRIPTION	LOAD	BKR	CCT		CCT	BKR	LOAD	DESCRIPTION
EXISTING SERVICES		15A	1		2	15A		EXISTING SERVICES
EXISTING SERVICES		15A	3		4	15A		EXISTING SERVICES
EXISTING SERVICES		15A	5		6	15A		EXISTING SERVICES
EXISTING SERVICES		15A	7		8	15A		EXISTING SERVICES
EXISTING SERVICES		15A	9		10	15A		EXISTING SERVICES
EXISTING SERVICES		15A	11		12	15A		EXISTING SERVICES
EXISTING SERVICES		15A	13		14	15A		EXISTING SERVICES
EXISTING SERVICES		15A	15		16	15A		EXISTING SERVICES
EXISTING SERVICES		15A	17		18	15A		EXISTING SERVICES
EXISTING SERVICES		15A	19		20	15A		EXISTING SERVICES
ELEVATOR LIGHT	21	15A	21		22	15A	180A	GFI RECEPTACLE
BU-1	200	15A	23		24			
TOTAL CONNECTED LOAD = 401 WATT + EXISTING SERVICES								



4 E1–01 PART SECOND FLOOR ELECTRICAL PLAN
1:50



3 E1–01 PART SECOND FLOOR ELECTRICAL DEMOLITION PLAN
1:50



1 E1–01 PART BASEMENT ELECTRICAL DEMOLITION PLAN
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Toronto District School Board

NO.	ISSUES/ REVISIONS	DATE	BY
01	ISSUED FOR 60% REVIEW	2026 02 17	DT/AM
02	ISSUED FOR PERMIT & TENDER	2026 04 01	DT/AM
03	ISSUED FOR TENDER	2026 04 29	DT/AM

MCW Consultants Ltd.
Vancouver Calgary Edmonton Deuphin Winnipeg Toronto Thunder Bay Ottawa Moncton Saint John Truro Halifax
25301-25
Queen's Quay Terminal
207 Queen's Quay West, Suite 615
Toronto, Ontario, M5J 1A7
Tel: 416-598-2920
Fax: 416-598-5394
www.mcw.com

BARRY BRYAN ASSOCIATES

PROJECT:
ACCESSIBILITY UPGRADES AT KEELE ST JR PS & COMMUNITY CENTRE
TDSB# TR-25-0957
99 MOUNTVIEW AVENUE
TORONTO, ON
TORONTO DISTRICT SCHOOL BOARD

DRAWING:
ELECTRICAL PLANS

DESIGN BY:	DT
DRAWN BY:	DT
CHECKED BY:	RL
DATE:	2026-01-22
SCALE:	1 : 50
SEAL:	
PROJECT NO:	25301-24
DRAWING NO:	E1-01