WHITBY ABILITIES CENTRE
CAFE INTERIOR ALTERATIONS
ABILITIES CENTRE

1 JIM FLAHERTY STREET
Whitby, Ontario

LIST OF DRAWINGS

ARCHITECTURAL

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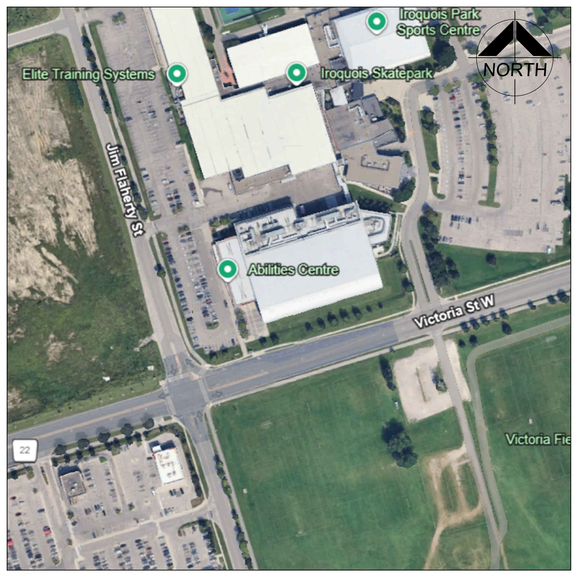
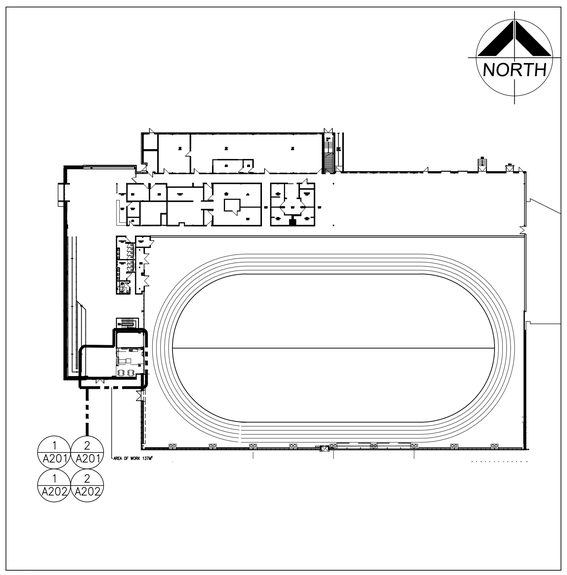


2 A000 LOCATION PLAN
N.T.S



1 A000 KEY PLAN
1:700

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 :
WHITBY ABILITIES CENTRE CAFE INTERIOR ALTERATIONS (137 m² AREA OF WORK)

LOCATION OF PROJECT :
1 JIM FLAHERTY STREET, WHITBY, ON

DATE :
JULY 2026

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 INTERIOR CAFE ALTERATIONS	[A] 1.3.3.3B
11.02	Major Occupancy Classification:	Occupancy: A2 — Use: COMMUNITY CENTRE	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)	Description: BUILDING AREA — Existing 8689 m² — New NO CHANGE — Total 8689 m² Total= 8689 m² NO CHANGE 8689 m²	[A] 1.4.1.2., 11.2 and 11.3
11.05	Building Height	2 Storeys above grade ±17935 (m) Above grade 0 Storeys below 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:	1 street(s)	3.2.2.10, 3.2.5, 2.2.4.1 and 11.3
11.07	Building Size:	☐ 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: 7 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:	Floor Level/ Area: Ground Floor — Occupancy Type: E — Based On: 3.1.17.1/ 9.30 per m² — Occup. Load (persons): 15	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: Existing Ground Floor — 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): Existing Ground Floor — B.F. WC's Required: - — B.F. WC's Provided: - — Universal Washrooms Required: - — Universal Washrooms Provided: -	Tables 3.8.2.3.A and 3.8.2.3.B
11.12	Barrier-free Design: Barrier-free Entrances:	☑ Yes ☐ No Explanation CAFE DESIGNED FOR BARRIER FREE USE Number 2 EXISTING 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:	n/a	[A] 1.2.1.1, and [C]2.1
11.17	Notes:	**EXISTING CAFE RENOVATION FOR ACCESSIBLE USE** **(137 m² AREA OF WORK)**	

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	JUNE. 19, 2026	BBA
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3	ISSUED FOR PERMIT	JULY 14, 2026	BBA
4	ISSUED FOR TENDER	JULY 22, 2026	BBA

BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
LIST OF DRAWINGS, KEY PLAN, AND LOCATION PLAN

DESIGN BY: JM
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
SEAL:

PROJECT NO: 26072
DRAWING NO: A000

TYPICAL DEMOLITION NOTES:

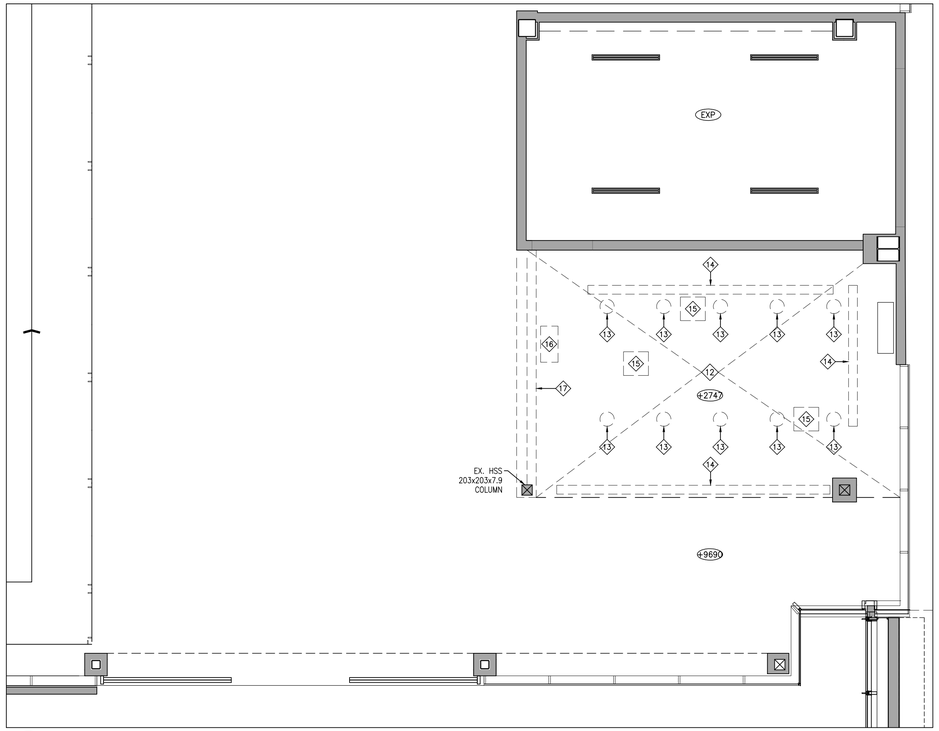
1. SITE VERIFY ALL DIMENSIONS AND CONDITIONS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
3. COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS FOR CONSTRUCTION PROJECTS.
4. PROVIDE PROTECTION IN LOCATIONS APPROVED BY THE OWNER AND CONSULTANT SO AS NOT TO DAMAGE EXISTING STRUCTURE, OR PART THEREOF.
5. COMPLETE ALL DEMOLITION WORK NECESSARY TO COMPLETE THE RENOVATIONS AS SHOWN AND AS REQUIRED. DEMOLITION OF BUILDING ELEMENTS INCLUDES BUT NOT LIMITED TO COMPLETE REMOVAL OF ALL ASSOCIATED FIXTURES, FITTINGS, HARDWARE, FASTENERS, EQUIPMENT AND ACCESSORIES UNLESS NOTED OTHERWISE.
6. ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS ARE COMPLEMENTARY AND SHALL BE READ TOGETHER.
7. PROVIDE ALL SHORING AS REQUIRED. SHORING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
8. 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.
9. 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.
10. MAINTAIN ALL WORK AREAS AND ALL STORAGE AREAS CLEAN AND ORDERLY AT ALL TIMES INCLUDING EXISTING AREAS THAT REMAIN IN OPERATION DURING CONSTRUCTION. DUST CONTROL MEASURES ARE TO BE IN PLACE AT ALL TIMES AND NOISY WORK SHALL BE COORDINATED AROUND PROGRAM EVENTS.
11. REMOVAL OF EXISTING FLOOR FINISHES IS TO INCLUDE COMPLETE REMOVAL OF BASE AND ALL MORTAR AND ADHESIVES AND REPARATION OF EXISTING SUBSTRATES TO RECEIVE NEW FLOORING, SATISFACTORY TO THE MANUFACTURER OF NEW FLOOR FINISHES. ALLOW FOR EXCESSIVE LEVELING OF SLABS.
12. DEMOLITION INCLUDES ALL ASSOCIATED MECHANICAL AND ELECTRICAL SERVICES, EQUIPMENT, FITTINGS, FIXTURES, HANGERS, BRACKETS, TRIM AND ACCESSORIES AS REQUIRED TO COMPLETE THE WORK.
13. SAWCUT, BREAK OUT AND MAKE GOOD (MATCH EXISTING U.N.O.) ALL EXISTING FLOOR SLABS WHERE REQUIRED TO INSTALL NEW PLUMBING AND OTHER SERVICES AS INDICATED AND AS REQUIRED ON MECHANICAL AND ELECTRICAL DRAWINGS.
14. MAINTAIN EXISTING FIRE HOSE CABINETS AND FIRE RATINGS.
15. REMOVAL OF DOORS AND FRAMES IS TO INCLUDE REMOVAL OF ALL HARDWARE.
16. REMOVE ALL PROTRUSIONS IN FLOOR SLAB AND GRIND DOWN TO FLOOR LEVEL.
17. CLEAN, PATCH / REPAIR ALL EXISTING SURFACES TO REMAIN TO RECEIVE NEW FINISHES. ALLOW FOR REMOVAL OR SCARIFICATION OF EXISTING PAINT FINISH ON WALLS THAT ARE TO RECEIVE NEW WALL TILE FINISH. REMOVE ALL MORTAR, ADHESIVES AND RUST AS REQUIRED TO PREPARE EXISTING SUBSTRATES TO RECEIVE NEW PAINT FINISHES.
18. DISCONNECT AND CAP OFF ALL SERVICES PRIOR TO DEMOLITION.
19. DISPOSE OF MATERIALS OFF SITE.
20. 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.
21. BUILDING TO BE SECURED BY THE G.C. AT ALL TIMES.

DEMOLITION NOTES:

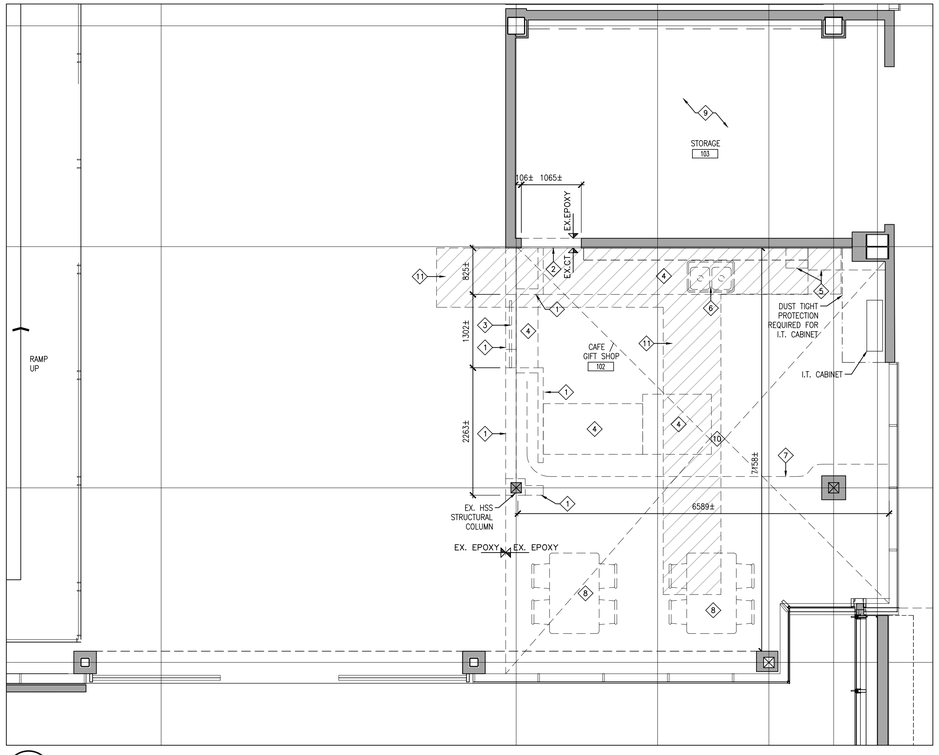
1. REMOVE AND DISPOSE OF EXISTING GYPSUM WALL AS REQUIRED TO COMPLETE NEW WORK. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
2. REMOVE AND DISPOSE OF EXISTING BLOCK WALL AS REQUIRED TO COMPLETE NEW WORK. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
3. REMOVE AND DISPOSE OF EXISTING SLIDING WOOD POCKET DOOR AND ITS HARDWARE. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
4. REMOVE AND DISPOSE OF EXISTING MILLWORK. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
5. REMOVE AND DISPOSE OF WALL MOUNTED SHELF. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
6. REMOVE AND DISPOSE OF EXISTING SINK. LEAVE EXISTING SERVICES AS REQUIRED FOR NEW SINK. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
7. REMOVE FOLDING SECURITY GATE AND ITS TRACK SYSTEM. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
8. CAREFULLY REMOVE TABLES AND CHAIRS AND TURN OVER TO OWNER
9. GYM EQUIPMENT AND SHELVES TO BE REMOVED BY CLIENT
10. REMOVE AND DISPOSE OF CERAMIC TILE FLOORING. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
11. BREAK OUT EXISTING CONCRETE SLAB AND FLOOR FINISH TO ACCOMMODATE NEW SANITARY LINES. SEE MECHANICAL
12. REMOVE AND DISPOSE OF EXISTING GYPSUM CEILING. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
13. REMOVE AND DISPOSE OF EXISTING LIGHTING. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
14. REMOVE AND DISPOSE OF EXISTING LINEAR SLOT DIFFUSER. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
15. REMOVE AND DISPOSE OF EXISTING CEILING HATCH. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
16. REMOVE AND DISPOSE OF EXISTING VENT. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.
17. REMOVE AND DISPOSE OF EXISTING GYPSUM BULKHEAD AROUND BEAM. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES.

DEMOLITION LEGEND:

- EXISTING WALL, PARTITION OR COLUMN TO REMAIN
- DENOTES DEMOLITION OF BUILDING ELEMENT
- EXISTING DOOR, FRAME AND TRIM TO REMAIN
- NEW DOOR AND FRAME



2 / A201 PART DEMO REFLECTED CEILING PLAN
1:50



1 / A201 PART DEMO FLOOR PLAN
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Abilities Centre

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NORTH

BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
PART DEMO FLOOR & PERT REFLECTED CEILING PLANS

DESIGN BY:	JM
DRAWN BY:	KJ
CHECKED BY:	JM
DATE:	JUNE, 2026
SCALE:	AS NOTED
SEAL:	
PROJECT NO:	26072
DRAWING NO:	A201

GENERAL NOTES:

1. ALL EXPOSED METAL IN INTERIOR TO BE PAINT FINISH.
2. UNLESS OTHERWISE INDICATED, ALL WALLS SHALL HAVE PAINT FINISH.
3. PAINT GYPSUM BOARD WALLS AND BULKHEADS.
4. ALL NEW AND EXISTING METAL DOORS AND FRAMES TO BE PAINTED ON BOTH SIDES OF DOOR OPENING.

PARTITION NOTES:

1. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL WET AREAS. WET AREAS ARE DEFINED AS WASHROOMS, KITCHEN, VESTIBULES AND CUSTODIAN ROOMS.
2. ALL GYPSUM BOARD BULKHEADS / PARTITIONS ABOVE WALL OPENINGS OR SCREENS TO BE BRACED AS REQUIRED.
3. PROVIDE BLOCKING / REINFORCEMENT FOR THE INSTALLATION / ATTACHMENT OF ALL MILLWORK, CABINETRY, CHANGE TABLES, WASHROOM ACCESSORIES AND/OR FIXTURES & EQUIPMENT INCLUDING FUTURE OR N.I.C ITEMS AS REQUESTED.

GENERAL RCP TYPES:

1. REFLECTED CEILING PLAN IS FOR GENERAL LAYOUT AND CO-ORDINATION OF CEILING COMPONENTS. REFER TO FLOOR PLANS AND CONSULTANTS DRAWINGS FOR SPECIFIC INFORMATION.
2. LAY-IN ACOUSTIC TILE CENTRED IN ROOMS, TYPICAL UNLESS NOTED OTHERWISE. PAINT FINISH TO EXPOSED STEEL STRUCTURE. PAINT FINISH TO ALL EXPOSED MECHANICAL COMPONENTS.
3. ALL FIRE SEPARATIONS TO UNDERSIDE OF DECK ABOVE C/W WITH FIRE STOP MATERIAL AS SPECIFIED.
4. SMOKE DETECTORS, FIRE DETECTORS AND PA SPEAKERS SHALL BE LOCATED IN CENTRE OF CEILING OR CEILING TILE, OR AS INDICATED ON PLAN.

WALL TYPES:

- 124 — P1 — 16mm MOISTURE RESISTANT GYPSUM BOARD ON 92mm STEEL STUDS @ 400mm C/C 16mm MOISTURE RESISTANT GYPSUM BOARD
- 124 — P1A — 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD ON 92mm STEEL STUDS @ 400mm C/C 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD
- 184 — P2 — 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD ON 152mm STEEL STUDS @ 400mm C/C 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD
- 162 — P3 — 16mm MOISTURE RESISTANT GYPSUM BOARD 19mm PLYWOOD SHEATHING ON 92mm STEEL STUDS @ 400mm C/C 19mm PLYWOOD SHEATHING ON 16mm MOISTURE RESISTANT GYPSUM BOARD

CEILING TYPE:

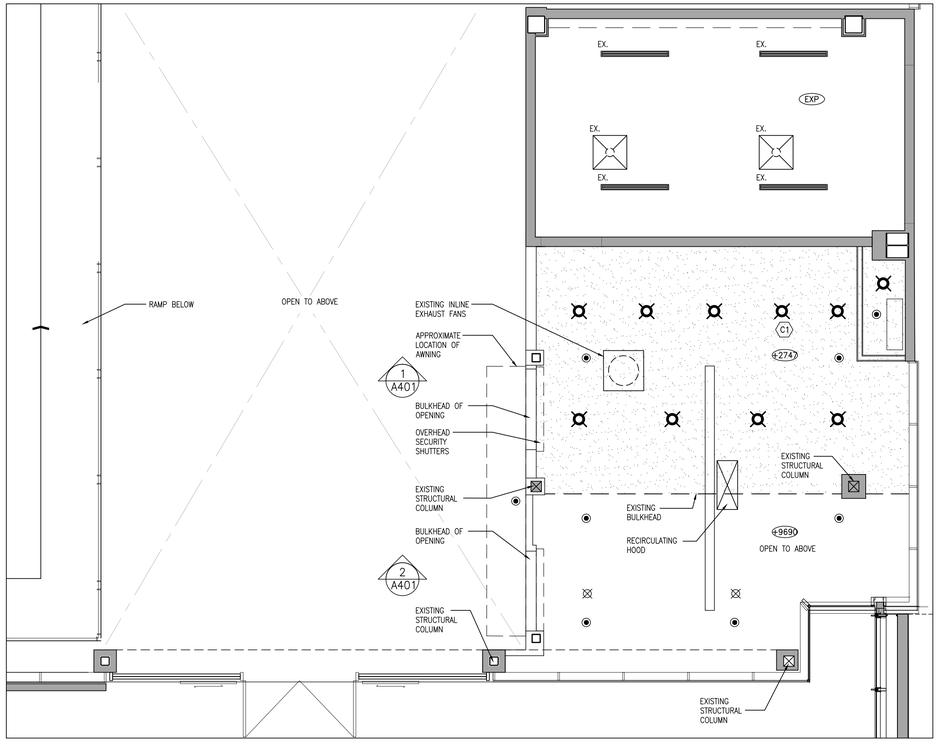
- C1 — 92mm STEEL STUDS @ 400mm C/C ON 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD
- EXP — EXPOSED CEILING

FURRING TYPES:

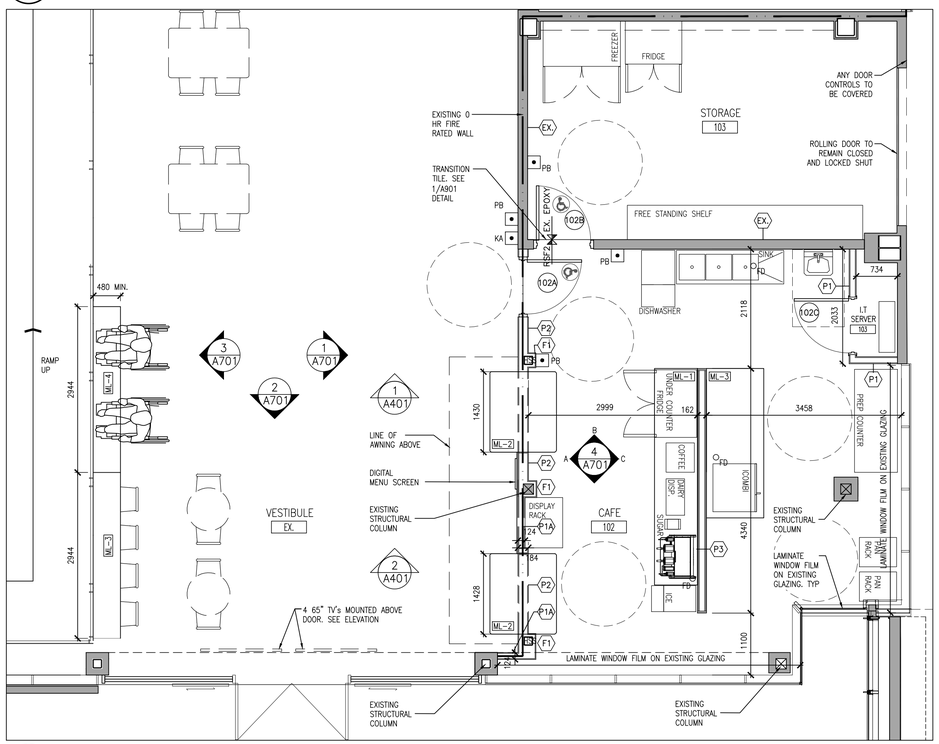
- F2 — F1 — 41mm STEEL STUDS @ 400mm C/C ON 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD

NOTATION LEGEND:

- 3000 — CEILING HEIGHT ABOVE FIN. FLOOR
- XX — CEILING OR PARTITION TYPE
- 101 — DOOR NUMBER
- 11 / A101 — WALL SECTION REFERENCE
- A / D / 11 / A101 / B / C — INTERIOR ELEVATION REFERENCE NUMBER
- CAFE / GIFT SHOP 102 — ROOM NAME AND NUMBER
- EXISTING DOOR AND FRAME
- NEW DOOR AND FRAME
- CEILING DIFFUSER (REFER TO MECHANICAL)
- RECESSED LIGHT (REFER TO ELECTRICAL)
- SUSPENDED LIGHT FIXTURE (REFER TO ELECTRICAL)
- SPRINKLERS (REFER TO MECHANICAL)
- RECIRCULATING HOOD (REFER TO MECHANICAL)



2 / A202 PART REFLECTED CEILING PLAN
1:50



1 / A202 PART FLOOR PLAN
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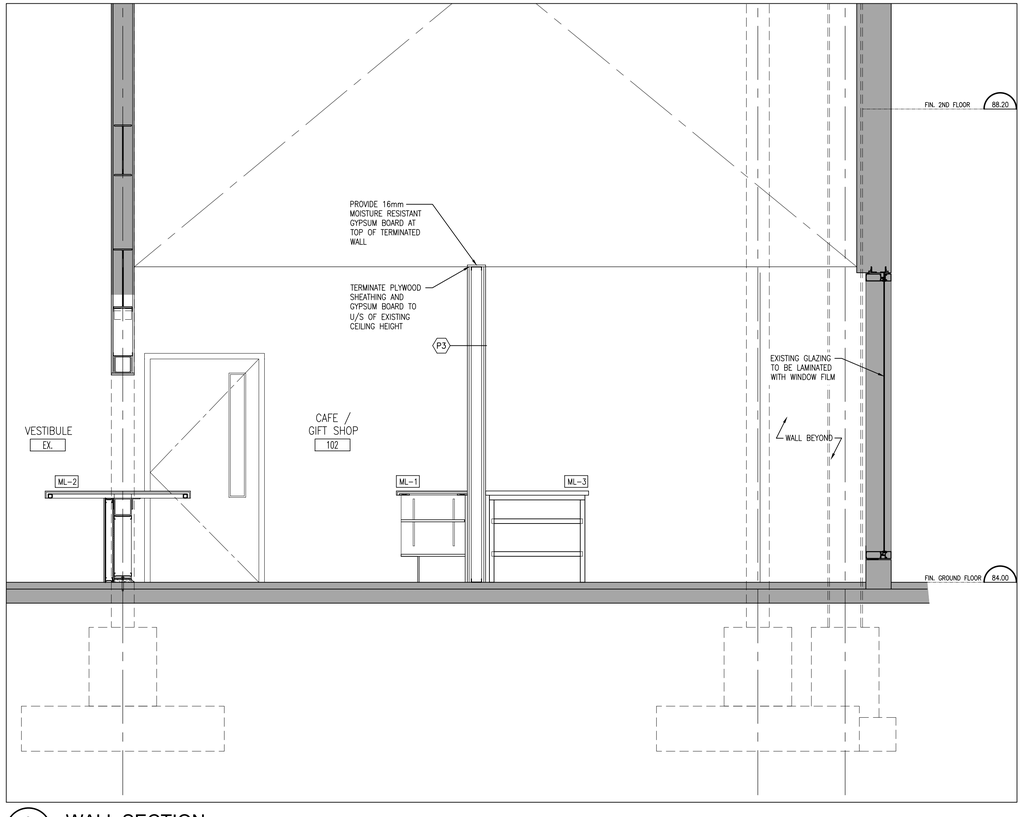
1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

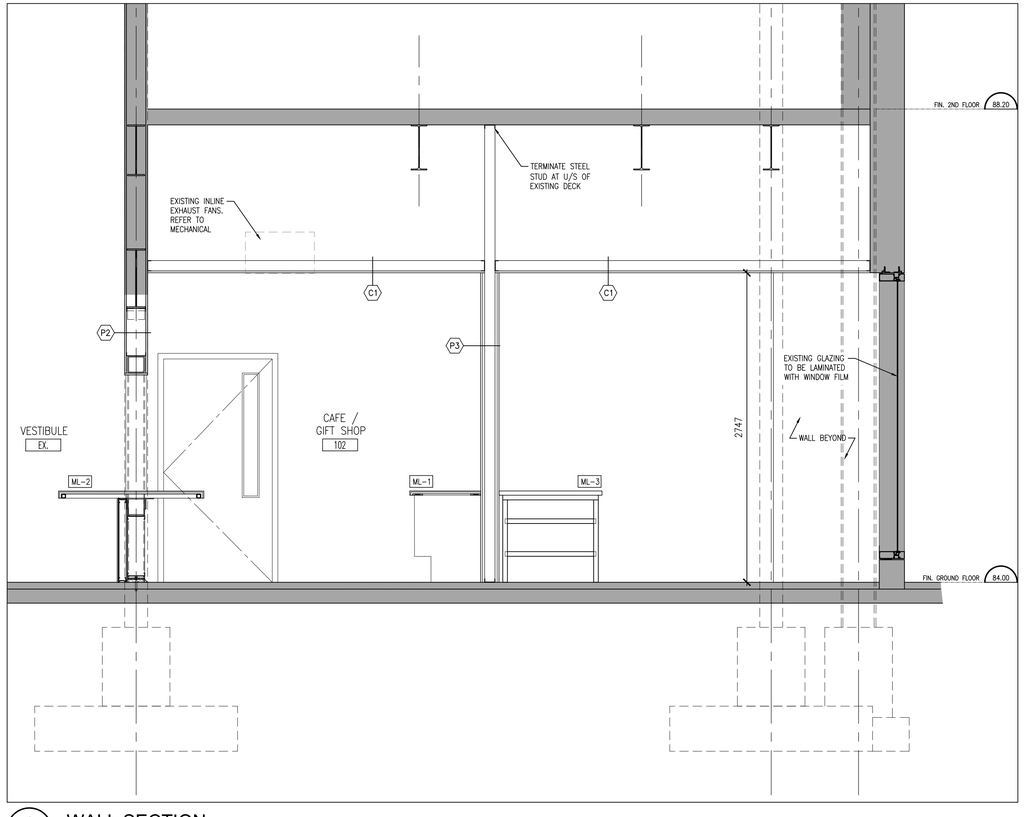
DRAWING:
PART FLOOR & RCP PLANS

DESIGN BY: JM
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
SEAL:

PROJECT NO: 26072
DRAWING NO: A202



2 / A401 WALL SECTION
1:25



1 / A401 WALL SECTION
1:25

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BARRY BRYAN ASSOCIATES

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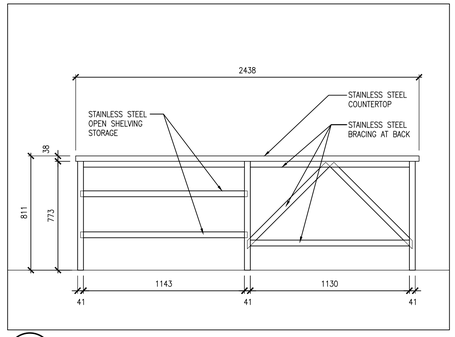
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

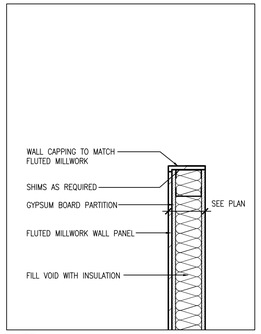
DRAWING:
WALL SECTIONS

DESIGN BY: JM
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
SEAL:

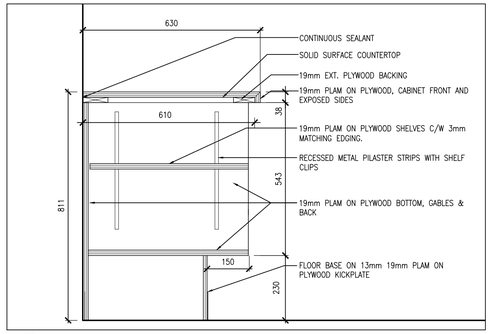
PROJECT NO: 26072
DRAWING NO: A401



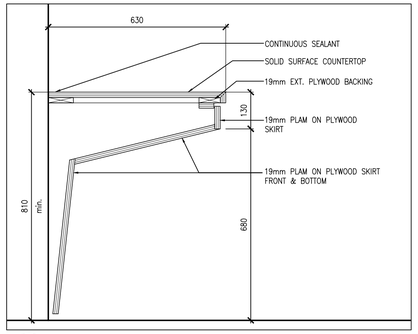
11 A801 MILLWORK ELEVATION
1:20



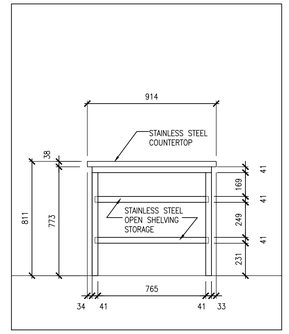
5 A801 CAP DETAIL
1:10



8 A801 OPEN SHELVING SECTION DETAIL
1:10



9 A801 OPEN SHELVING SECTION DETAIL
1:10



12 A801 MILLWORK SECTION
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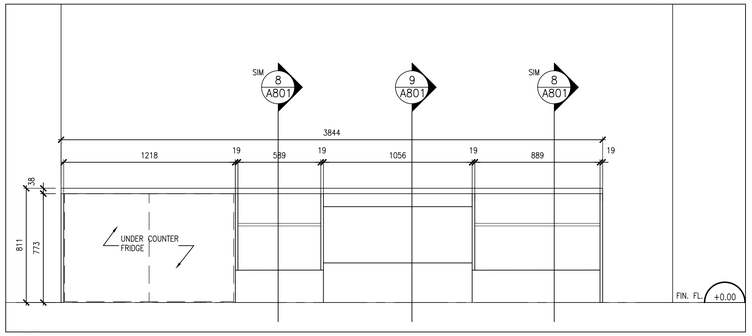

7 A801 MILLWORK ELEVATION
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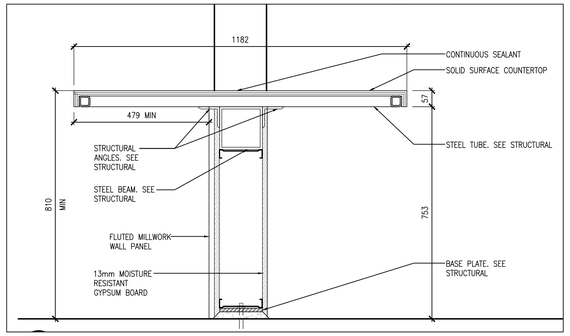
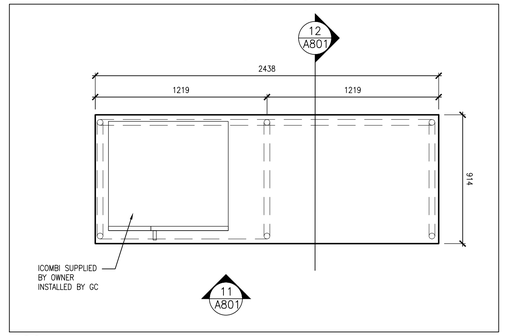
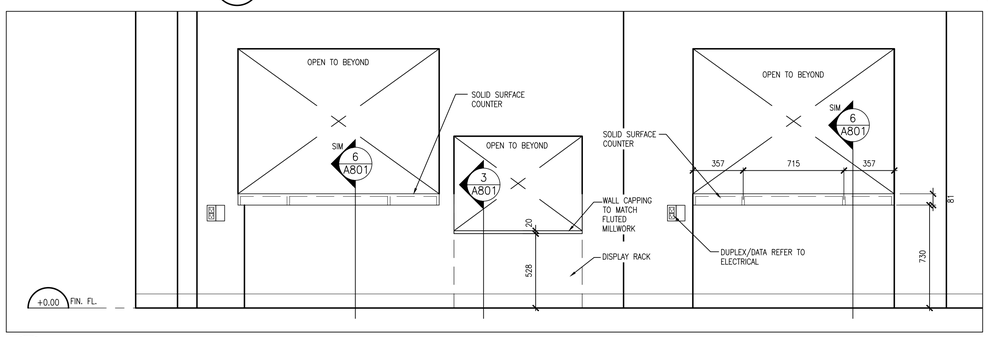


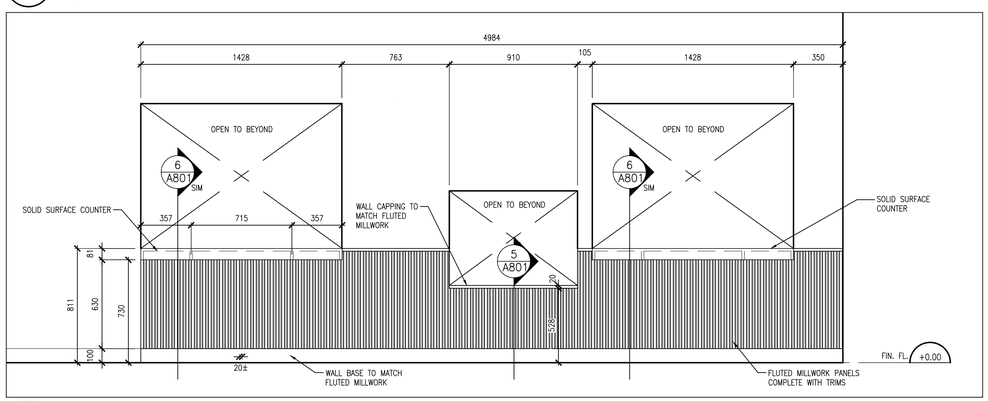
6 A801 TYP. COUNTER SECTION DETAIL
1:10



3 A801 ML-3 MILLWORK PLAN DETAIL
1:20



10 A801 MILLWORK ELEVATION (CAFE INTERIOR)
1:20



4 A801 MILLWORK ELEVATION
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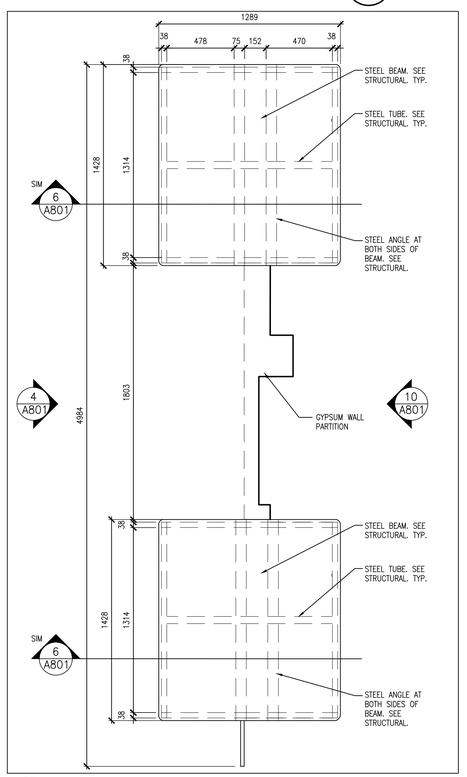

2 A801 ML-2 MILLWORK PLAN DETAIL
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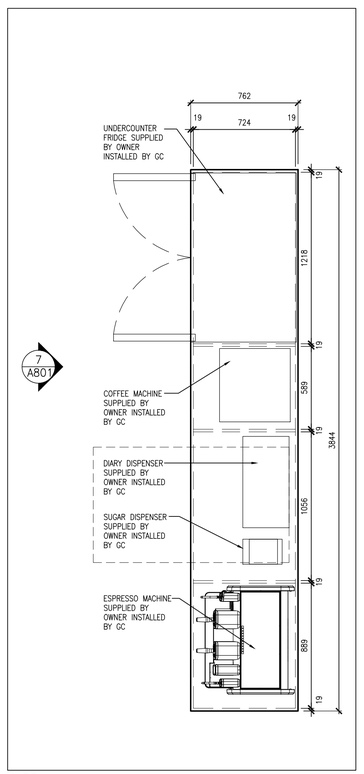


1 A801 ML-1 MILLWORK PLAN DETAIL
1:20

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	JUNE. 19, 2026	BBA
2	ISSUED FOR REVIEW	JULY 10, 2026	BBA
3	ISSUED FOR PERMIT	JULY 14, 2026	BBA
4	ISSUED FOR TENDER	JULY 22, 2026	BBA

BARRY BRYAN ASSOCIATES

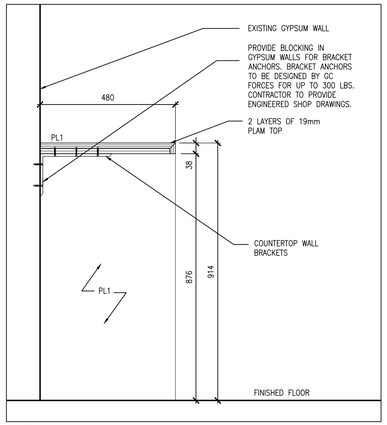
PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
MILLWORK PLANS, DETAILS & ELEVATIONS

DESIGN BY: JM
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
SEAL:

PROJECT NO: 26072
DRAWING NO: A801



4 A802 ML-4 MILLWORK SECTION
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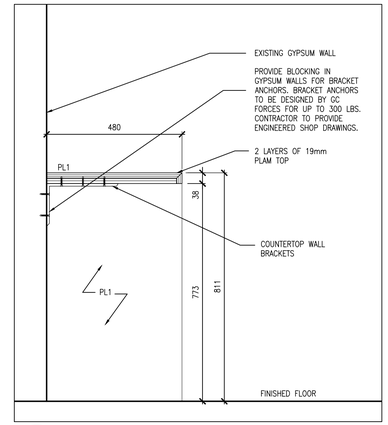

3 A802 ML-4 MILLWORK SECTION
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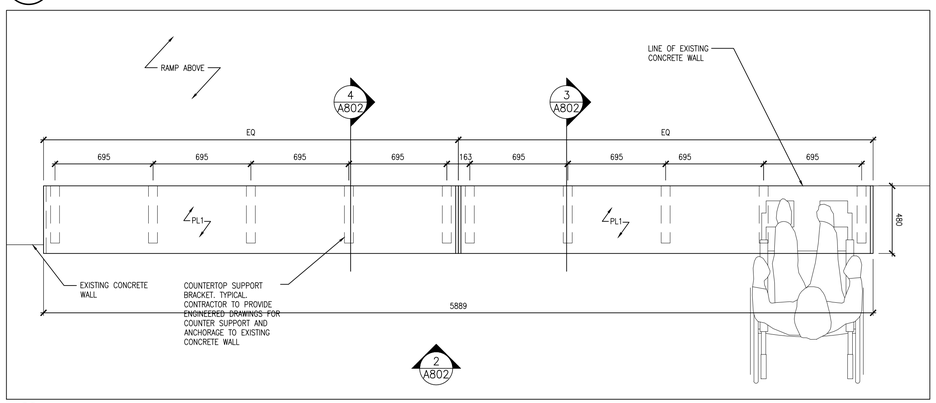
2 A802 ML-4 MILLWORK ELEVATION
1:20



1 A802 ML-4 MILLWORK PLAN DETAIL
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Abilities Centre

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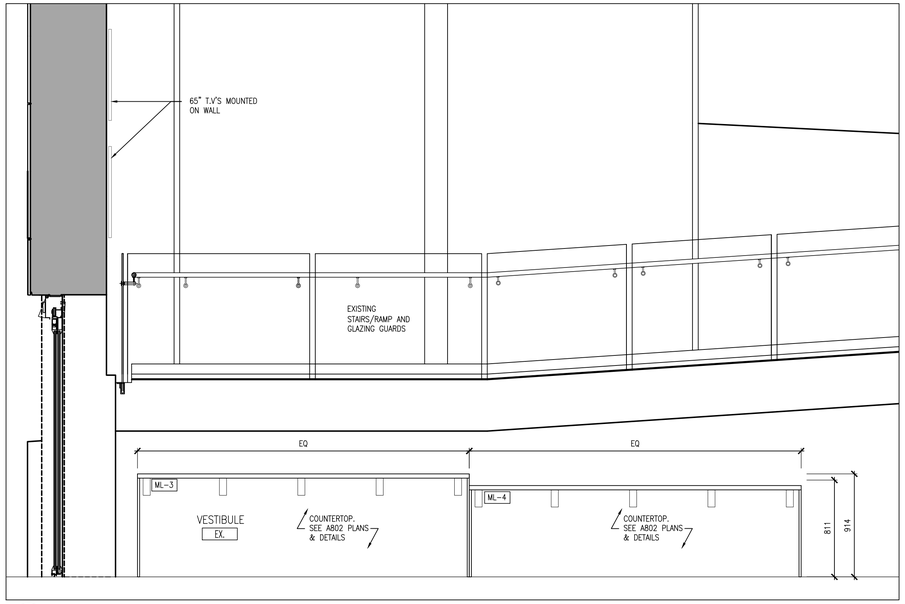
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

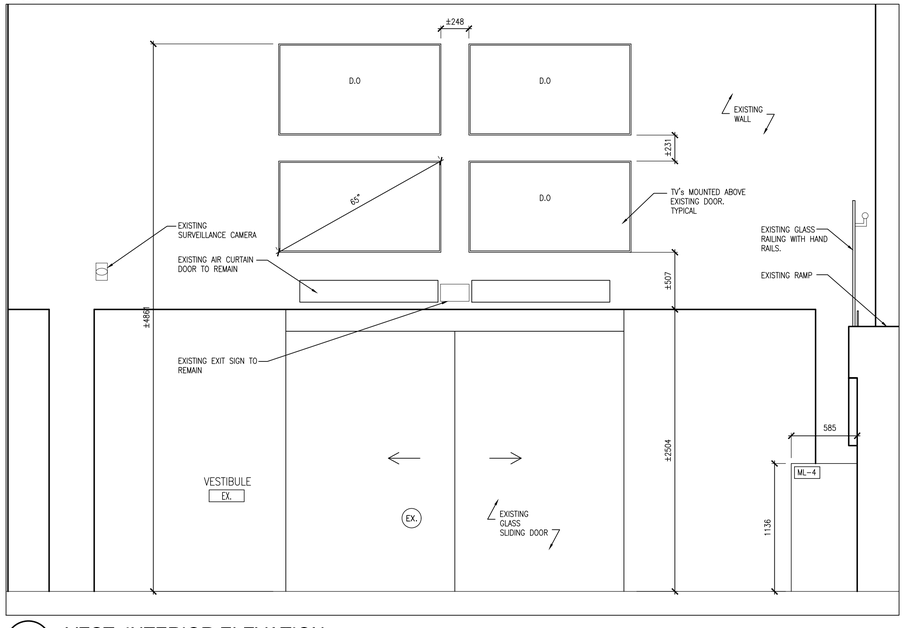
DRAWING:
MILLWORK PLANS, DETAILS & ELEVATIONS

DESIGN BY: JM	SEAL:
DRAWN BY: KJ	
CHECKED BY: JM	
DATE: JUNE, 2026	
SCALE: AS NOTED	
PROJECT NO: 26072	DRAWING NO: A802



3 / A701 VEST. INTERIOR ELEVATION

1:25



2 / A701 VEST. INTERIOR ELEVATION

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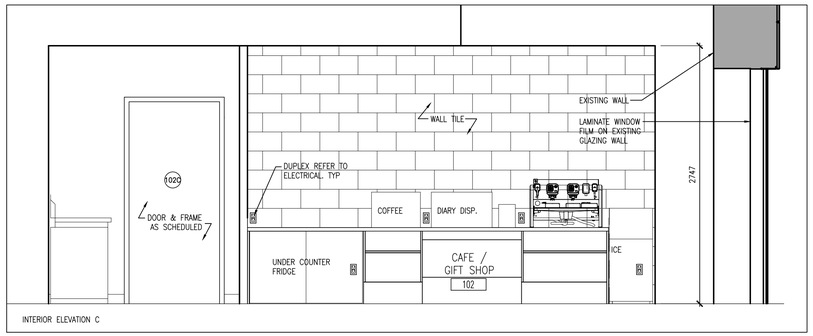
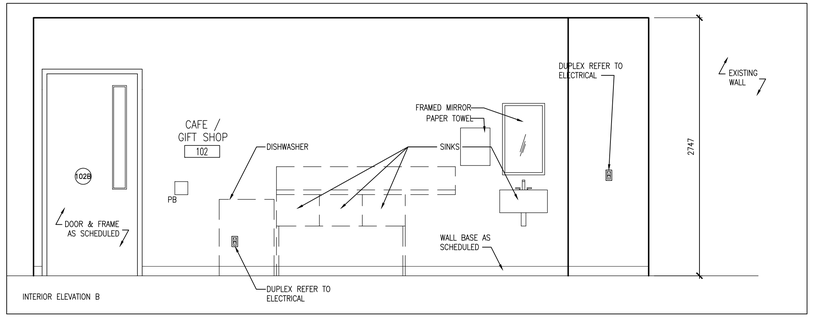
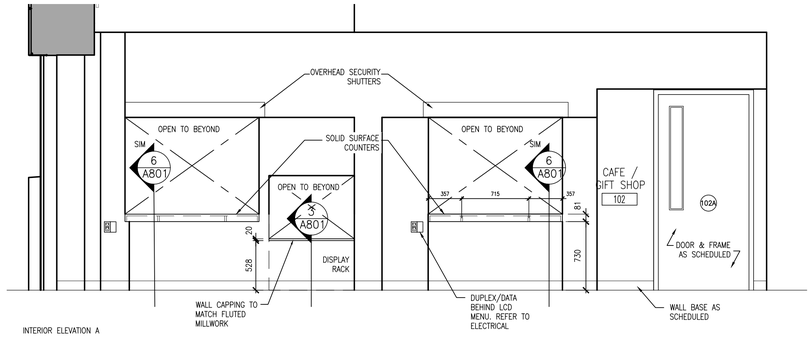


INTERIOR ELEVATION C



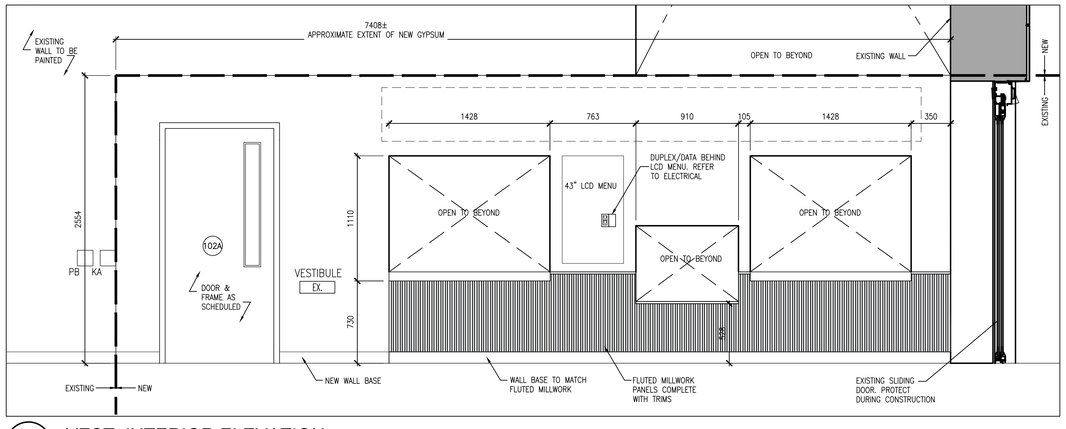
INTERIOR ELEVATION B



INTERIOR ELEVATION A

4 / A701 CAFE INTERIOR ELEVATIONS

1:30



1 / A701 VEST. INTERIOR ELEVATION

1:25

Abilities Centre

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BBA
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
INTERIOR ELEVATIONS

DESIGN BY: JM	SEAL:
DRAWN BY: KJ	
CHECKED BY: JM	
DATE: JUNE, 2026	
SCALE: AS NOTED	
PROJECT NO: 26072	DRAWING NO: A701

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	JUNE, 19, 2026	BBA
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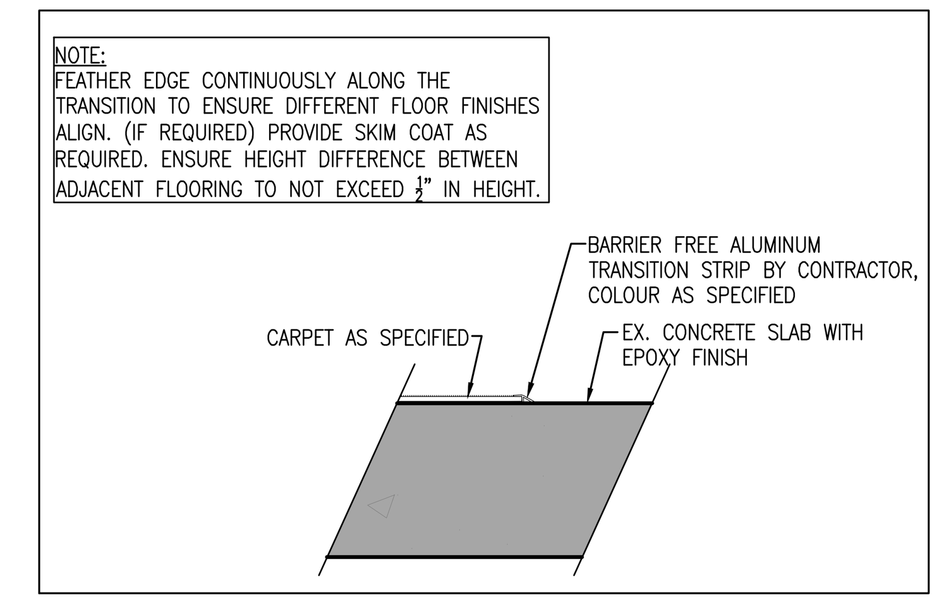

1 / A901 TRANSITION DETAIL
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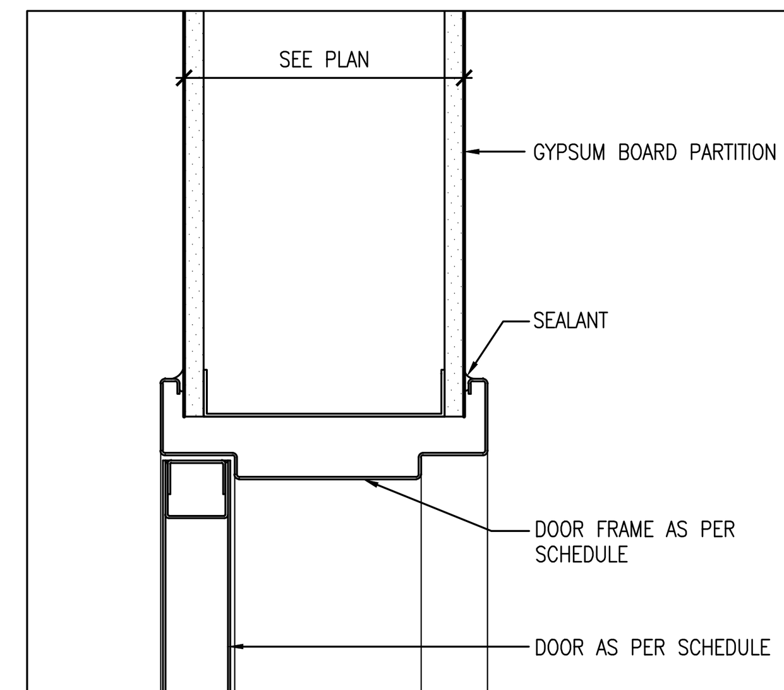
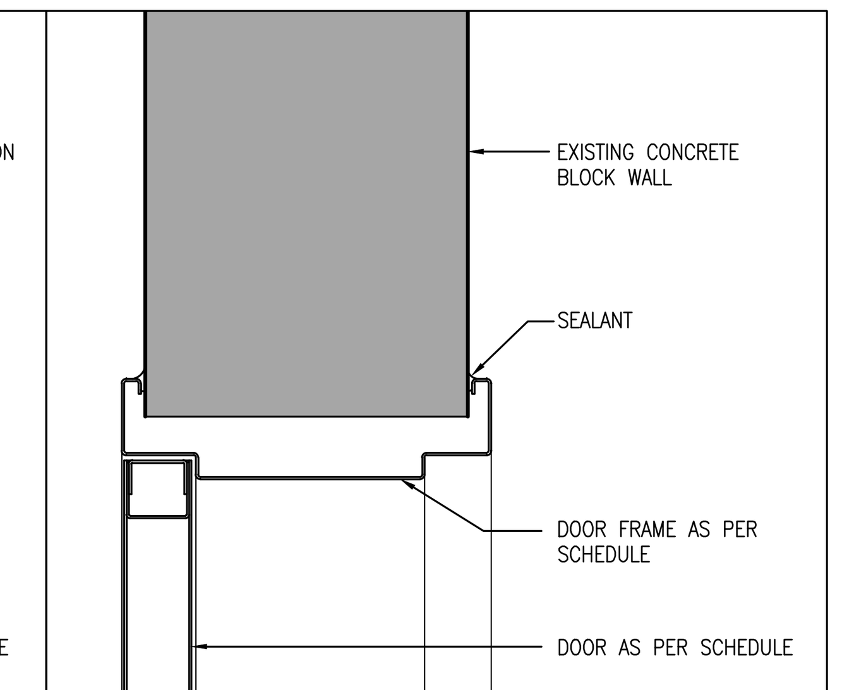
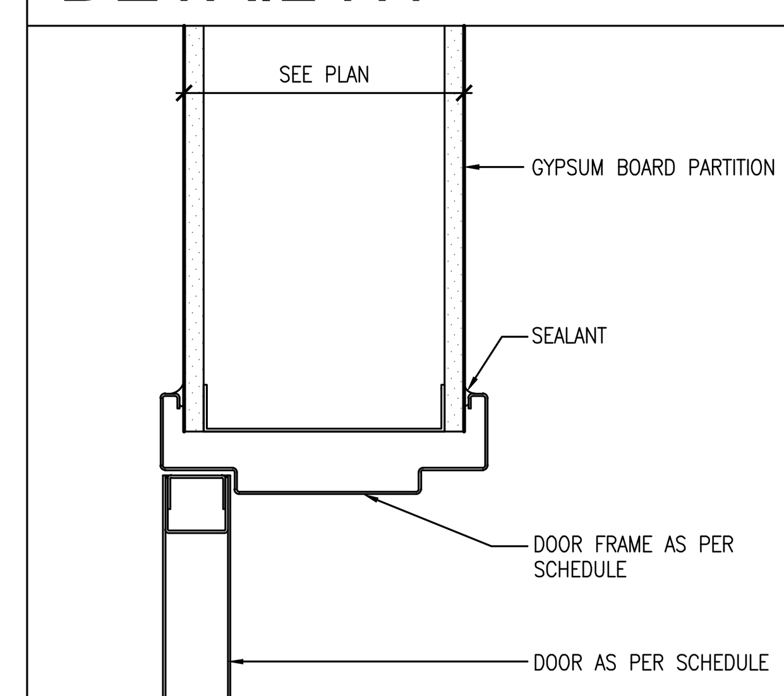


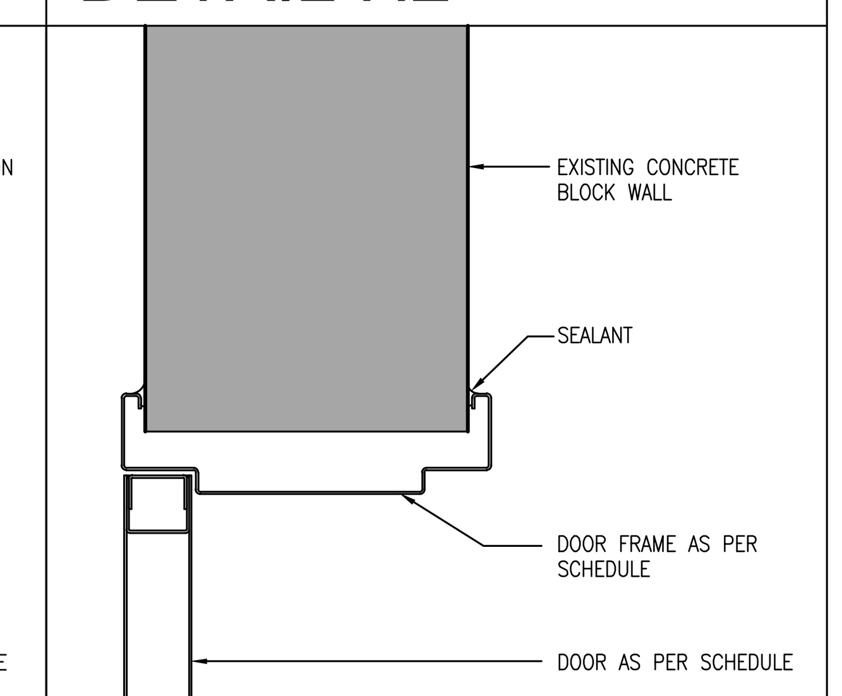
DETAIL H1



DETAIL H2



DETAIL J1



DETAIL J2

GLAZING LEGEND

GL1 8mm FIRE RATED GLASS

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.

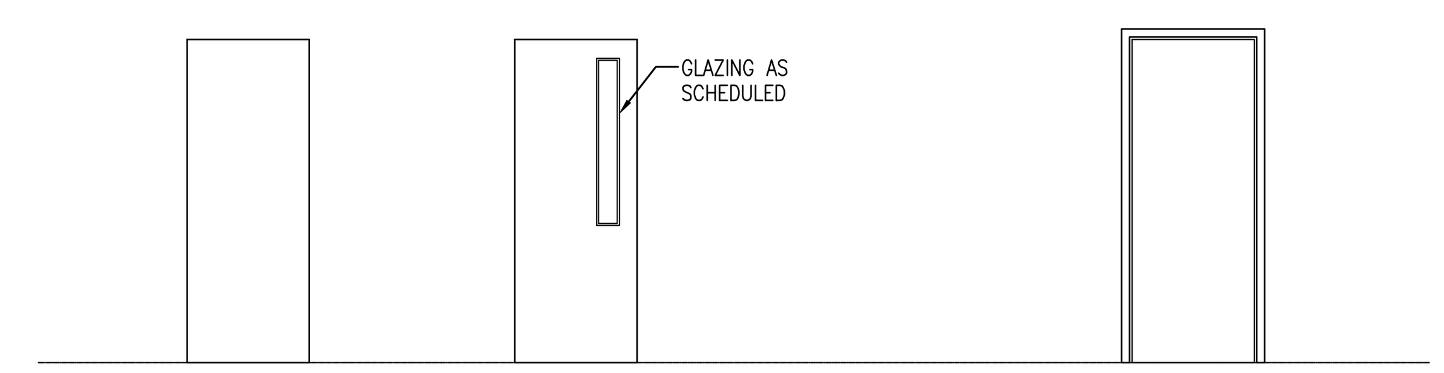
E. ALL DOORS IN FIRE SEPARATION LOCATIONS SHALL HAVE LATCHING DEVICE.

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

G. AT ALL EXISTING LINTELS, REMOVE ALL RUSTS TO BE REPAINTED TO MATCH EXISTING.

FINISH ABBREVIATION LEGEND

ACT	ACOUSTIC CEILING TILE
EX.	EXISTING
EXP	EXPOSED
GL	GLASS
GB	GYPSUM BOARD
HM	HOLLOW METAL
NTS	NOT TO SCALE
PS	PRESSED STEEL
PT	PAINT
RB	RUBBER BASE
LVT	LUXURY VINYL TILE
CONC	CONCRETE
TG	TEMPERED GLASS
WD	WOOD
CB	CONCRETE BLOCK
GW	GLAZED WALL
R	RUBBER FLOOR
KA	KEY CARD ACCESS
PB	PUSH BUTTON



DOOR TYPES

FRAME TYPES

ROOM SCHEDULE

ROOM NO.	ROOM NAME		FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	CEILING HEIGHT	REV.	REMARKS
102	CAFE	MAT.	CONC	–	CB	GWB	GWB	GWB	GWB	2747	–	CENTER WORK WALL TO RECEIVE CT1 WALL TILE ABOVE COUNTER AND BEHIND ICE MACHINE
		FIN.	PCT	PCT	PT	PT	PT	PT	PT			
		COL.	PCT1	PCT3	PT1	PT1	PT1	PT1	PT1			
103	STORAGE	MAT.	CONC	–	CB	CB	CB	CB	EXP	EX.		
		FIN.	EX.EPOXY	EX.RB	PT	PT	PT	PT	–			
		COL.	EX.EPOXY	EX.RB	PT1	PT1	PT1	PT1	–			
EX.	VESTIBULE	MAT.	CONC	–	–	GWB	GWB	GWB	GWB	7200		PATCH AND REPAIR TO MATCH EXISTING ANY AREAS AFFECTED BY CONSTRUCTION
		FIN.	PCT	PCT	–	PT	–	–	–			
		COL.	PCT2	PCT2	–	PT3	–	–	–			
103	I.T SERVER	MAT.	CONC	–	CB	CB	GWB	GWB	GWB	2747		PATCH AND REPAIR TO MATCH EXISTING ANY AREAS AFFECTED BY CONSTRUCTION
		FIN.	PCT	PCT	PT	PT	PT	PT	PT			
		COL.	PCT1	PCT3	PT3	PT3	PT3	PT3	PT1			

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	BALL BEARING HINGE	CONTINUOUS HINGE	CLOSER	DOOR STOP	THRESHOLD	KICK PLATE	DOOR OPERATOR	PANIC DEVICE	LOCKSET	LATCHSET	PRIVACY	ELECTRIC STRIKE	PUSH PLATE	SLIDING DOOR TRACK & PULLS	PUSH TO LOCK	DOOR PULL	DEAD BOLT	WEATHER STRIPPING	MAG HOLD OPEN	HOLD OPEN DOOR CLOSER	ARMOUR PLATE	REMARKS
102A	965x2134x45	NL	M	PT2	GL1	F1	H1	J1	PS	PT2	0 HR	●	●	●				●		●	●		●	●									SITE VERIFY OPENING
102B	965x2150x45	NL	M	PT2	FR	F1	H2	J2	PS	PT2	45 MIN.	●	●	●	●			●		●	●		●	●									
102C	965x2150x45	M	M	PT2	–	F1	H1	J1	PS	PT2		●	●							●	●												

BBA
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE CAFE INTERIOR ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
SCHEDULES

DESIGN BY: JM
SEAL:
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
PROJECT NO: 26072
DRAWING NO: A901

GENERAL

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, LATEST EDITION.
2. COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT/REGULATIONS FOR CONSTRUCTION PROJECTS.
3. INSTALL HOARDING, DUST CONTROL/PROTECTION, COVERED WALKWAYS AND FENCING IN ACCORDANCE WITH ONTARIO BUILDING CODE, CANADIAN CONSTRUCTION SAFETY REQUIREMENTS, ALL MUNICIPAL BY-LAWS, STANDARDS, OCCUPATIONAL HEALTH AND SAFETY ACT AND THESE DOCUMENTS/SPECIFICATIONS.
4. SITE VERIFY ALL DIMENSIONS, LEVELS AND EXISTING CONDITIONS AND IMMEDIATELY NOTIFY THE CONSULTANT OF ANY DISCREPANCIES.
5. KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.
6. INSTALL ALL MANUFACTURED ITEMS IN STRICT ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND THE REVIEWED SHOP DRAWINGS.
7. ALL INTERIOR FINISHES SHALL MEET FLAME SPREAD AND SMOKE DEVELOPED CLASSIFICATIONS AS REQUIRED BY THE ONTARIO BUILDING CODE.
8. THE LATEST EDITION OF ALL CODES AND STANDARDS SHALL BE USED.
9. OBEY ALL FEDERAL, PROVINCIAL AND MUNICIPAL LAWS, ACTS, STATUTES, REGULATIONS, ORDINANCES AND BY-LAWS WHICH COULD, IN ANY WAY, PERTAIN TO THE WORK OUTLINED IN THE CONTRACT, OR TO ANY EMPLOYEE OF THE CONTRACTOR. SATISFY ALL STATUTORY REQUIREMENTS IMPOSED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS MADE THEREUNDER, ON A CONTRACTOR, AND CONTRACTOR AND/OR EMPLOYER WITH RESPECT TO OR ARISING OUT OF THE PERFORMANCE OF THE CONTRACTORS OBLIGATIONS UNDER THIS CONTRACT.
10. NOTIFY THE OWNER SHOULD ANY HAZARDOUS CONDITION BECOME APPARENT.
11. PROVIDE SAFEGUARD AND PROTECTION AGAINST FIRE IN ACCORDANCE WITH THE CURRENT FIRE CODES AND REGULATIONS.
12. COMPLY WITH FEDERAL, PROVINCIAL AND MUNICIPAL REGULATIONS PERTAINING TO WORK TIME RESTRICTIONS, WASTE, AIR, SOLID WASTE, CHEMICAL WASTE, SANITARY WASTE, SEDIMENT AND NOISE POLLUTION.
13. TAKE SPECIAL CARE TO PREVENT ACCUMULATION OF MOISTURE ON MATERIALS AND WITHIN PACKAGING DURING DELIVERY, STORAGE AND HANDLING TO PREVENT DEVELOPMENT OF MOLD AND MILDEW ON PACKAGING AND PRODUCTS.
14. NO SMOKING IS PERMITTED ON THE PROJECT SITE.

SHOP DRAWINGS & SUBMITTALS

1. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CONSULTANT FOR REVIEW DIGITAL COPIES OF SHOP DRAWINGS, INCLUDING FABRICATION DETAILS, PLANS, DETAILS, THICKNESS, ANCHORAGE, FINISHES, ELEVATIONS, HARDWARE, AND INSTALLATION FOR DOORS, WINDOWS, MISC. METALS, STEEL MEMBERS, CONNECTIONS, ANCHORS, DOOR HARDWARE SCHEDULE, PAINT DRAW DOWNS, FINISHED MATERIAL SAMPLES, EQUIPMENT, AND ALL OTHER PRODUCTS REQUIRED.
2. REFER TO GENERAL CONDITIONS OF THE CONTRACT.
3. PROVIDE MAINTENANCE MANUALS.

CONSTRUCTION FACILITIES

1. PROVIDE CONSTRUCTION FACILITIES IN ORDER TO EXECUTE THE WORK EXPEDITIOUSLY. REMOVE, RESTORE SITE AND SURFACES AFTER USE.
2. PROVIDE AND MAINTAIN REQUIRED ACCESS TO PROJECT SITE AND ADJACENT AREAS AS REQUIRED BY THE OWNER.
3. HEIGHT, WIDTH AND WEIGHT RESTRICTIONS MUST BE VERIFIED PRIOR TO BRINGING EQUIPMENT INTO THE WORK AREA.
4. PROVIDE SCAFFOLDING IN ACCORDANCE WITH CSA S269.2-M AND SAFETY REGULATIONS OF THE PROVINCE OF ONTARIO.
5. PROVIDE NECESSARY SCREENS, COVERS AND HOARDINGS.
6. HOISTS AND CRANES SHALL BE CERTIFIED FOR USE AND OPERATED BY QUALIFIED OPERATORS.
7. OBEY AND ENFORCE ALL PARKING AND VEHICLE RESTRICTIONS AND SPEED LIMITS.
8. PROVIDE SANITARY FACILITIES FOR WORK FORCE IN ACCORDANCE WITH GOVERNING REGULATIONS AND ORDINANCES.
9. BE RESPONSIBLE FOR SECURITY OF SITE, EQUIPMENT, TOOLS AND MATERIALS.
10. MAINTAIN THE BUILDING IN A SECURE AND WEATHERPROOF CONDITION AT ALL TIMES DURING CONSTRUCTION.

DEMOLITION/REMOVALS

1. KEEP THE SPREAD OF DUST TO OTHER AREAS AND ADJACENT PROPERTIES AND EQUIPMENT TO A MINIMUM BY USE OF WATER SAWS AND INSTALLING AND MAINTAINING DUST TARPAULINS AS DIRECTED AND APPROVED BY THE OWNER.
2. GENERAL DEMOLITION EXTENTS AND ELEMENTS ARE SHOWN ON THE DEMOLITION PLAN. HOWEVER, THE SCOPE OF THE DEMOLITION WORK IS AS REQUIRED TO COMPLETE THE NEW PROJECT SCOPE OF WORK. THE GENERAL CONTRACTOR SHALL INCLUDE COORDINATION OF THE DEMOLITION WORKS AS PART OF THE BASE BID SCOPE OF WORK TO COMPLETE AND EXECUTE THE OVERALL PROJECT INTENT.
3. REMOVE EXISTING CEILINGS FOR EXTENT SHOWN AND AS REQUIRED. HAND OVER REDUNDANT HVAC DIFFUSERS AND GRILLES TO OWNER FOR REUSE.
4. REMOVE EXISTING CERAMIC TILE FLOORING, BASE AND GROUT, AND PREPARE EXISTING SLABS TO RECEIVE NEW CERAMIC TILE FLOORING IN ACCORDANCE WITH TILE MANUFACTURER'S INSTRUCTIONS.

CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO CSA A23 SERIES.
2. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 25 MPA FOR FOUNDATIONS AND 25 MPA FOR FLOOR SLABS AT 28 DAYS UNLESS NOTED OTHERWISE.
3. MAXIMUM AGGREGATE SIZE 19mm.
4. MAXIMUM SLUMP 75mm.
5. EXTERIOR CONCRETE SHALL HAVE 6% (+/- 1%) ENTRAINED AIR.
6. CONCRETE COVER FOR REINFORCEMENT SHALL CONFORM TO CSA A23.3
7. REINFORCING BAR LAPS SHALL BE 24 X DIAMETER FOR DEFORMED BARS.
8. ALL REINFORCING STEEL SHALL BE DEFORMED HARD GRADE BILLET STEEL CONFORMING TO CSA G30.18, GRADE 400.
9. WELDED STEEL WIRE FABRIC PLAIN TYPE CONFORMING TO CSA G30.5, IN FLAT SHEETS, NOT ROLLS.
10. STRUCTURAL GROUT SHALL BE NON-SHRINK, NON-METALLIC M BED STANDARD PREMIX BY STERNSON OR APPROVED EQUIVALENT.
11. ALL CONCRETE REINFORCEMENT MUST BE PROPERLY CHAIRED WITH APPROVED BAR SUPPORTS. ALL SUPPORTS SHALL BE MADE OF PRECAST CONCRETE BLOCKS, PLASTIC OR WIRE. BAR SUPPORTS OVER 200mm IN HEIGHT SHALL BE MADE OF BENT OR WELDED STEEL BAR. BAR SUPPORTS SHALL BE SUFFICIENT IN NUMBER AND STRENGTH TO PREVENT DISPLACEMENT BY WORKERS OR EQUIPMENT BEFORE AND DURING CONCRETE PLACEMENT.

MASONRY

1. DO MASONRY WORK IN ACCORDANCE WITH CAN/CSA A371 EXCEPT WHERE SPECIFIED ELSEWHERE
2. PROVIDE TEMPORARY BRACING OF MASONRY WORK UNTIL PERMANENT LATERAL SUPPORT IS IN PLACE.
3. MATERIALS SHALL BE KEPT CLEAN AND DRY.
4. CEMENTITIOUS MATERIALS AND AGGREGATES SHALL BE STORED IN ACCORDANCE WITH REQUIREMENTS OF CAN/CSA A23.1
5. KEEP MASONRY DRY USING SECURE WATERPROOF NON-STAINING COVERINGS THAT EXTEND OVER WALLS AND DOWN SIDES SUFFICIENT TO PROTECT WALLS FROM SNOW, RAIN AND DIRT UNTIL MASONRY WORK IS COMPLETE AND PROTECTED BY FLASHINGS OR OTHER PERMANENT CONSTRUCTION.
6. CONCRETE BLOCK: MODULAR, TO CSA A165.1 STANDARD CONCRETE MASONRY UNITS.
7. PLAIN MASONRY UNITS: H/15/A/M CONCRETE.
8. SPECIAL UNITS, CORNER BLOCKS, FILLERS, BOND BEAMS AND LINTEL BLOCKS AS MAY BE REQUIRED.
9. ALL EXPOSED BLOCK CORNERS SHALL BE BULLNOSE.
10. MASONRY REINFORCING: BLOCK-LOK "BLOCK-TRUS" HEAVY DUTY HOT DIP GALVANIZED WITH 4.7mm SIDE AND 3.9mm CROSS RODS IN WIDTHS 50mm LESS THAN WALL THICKNESS. INSTALL MASONRY REINFORCING IN BOTTOM 2 BED JOINTS AND AT 400mm C/C VERTICALLY IN REMAINDER OF WALL. USE FABRICATED CORNERS AND TEE SECTIONS FOR CONTINUOUS REINFORCEMENT AT CORNERS AND INTERSECTING WALLS. DO NOT PASS REINFORCING THROUGH MASONRY CONTROL JOINTS.
11. MORTAR MATERIALS T50 CONFORM TO CSA 1279.
12. CEMENT: NORMAL PORTLAND CEMENT TO CAN--A5 OR CAN 3-A8.
13. WATER SHALL BE CLEAN, POTABLE AND FREE OF DELETERIOUS AMOUNTS OF ACID, ALKALIS OR ORGANIC MATERIALS.
14. TYPE 'S' MORTAR SHALL BE USED FOR ALL MASONRY WORK.
15. MORTAR COLOUR SHALL BE NATURAL GREY.
16. MASONRY GROUT TO BE 10 MPa IN ACCORDANCE WITH CSA A179

STRUCTURAL STEEL

1. ALL MATERIAL SHALL CONFORM TO CSA G40.21 GRADE 300W. HOLLOW STRUCTURAL STEEL MEMBERS SHALL BE GRADE 350W.
2. FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1.
3. ALL WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY A WELDER QUALIFIED UNDER CSA W47.
4. ALL STEEL MEMBERS SHALL BE PAINTED WITH ONE SHOP APPLIED COAT OF GREY PRIMER. SPOT PRIME ALL WELDED AREAS.
5. REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED. SPOT PRIME AS REQUIRED.
6. ALL CONNECTIONS SHALL BE WELDED, USING E480XX ELECTRODES OR BOLTED USING ASTM A325 HIGH STRENGTH BOLTS. USE ONLY BOLTED CONNECTIONS WHERE SHOWN ON THE DRAWINGS. NO WELDING TO PLANT STEEL WILL BE ALLOWED.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CONSULTANT FOR REVIEW ERECTION DIAGRAMS AND SHOP DRAWINGS, STEEL MEMBERS, CONNECTIONS, ANCHORS, ELEVATIONS, DETAILS, AND FINISHES.
8. ALL SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY A PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.
9. EPOXY ANCHORS: HILTI HVA EPOXY ADHESIVE ANCHORS 303/316 STAINLESS STEEL UNLESS NOTED OTHERWISE.

METAL STUD FRAMING

1. ALL MATERIALS AND WORKMANSHIP TO CSA A82.31
2. NON BEARING STEEL STUD FRAMING: ASTM C645, ROLL FORMED GALVANIZED SHEET STEEL, MINIMUM 0.036" THICKNESS.
3. TRACKS: ASTM C645
4. HARDWARE: SELF TAPPING SHEET METAL SCREWS.

METAL FABRICATIONS

1. ALL MATERIAL SHALL CONFORM TO CSA G40.21 GRADE 300W.
2. FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1
3. WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY WELDERS QUALIFIED UNDER CSA W47.
4. ALL STEEL SHALL HAVE 1 SHOP COAT OF PRIMER, CISC 1-73a
5. REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED.
6. SPOT PRIME AS REQUIRED.
7. ALL CONNECTIONS SHALL BE WELDED USING E480XX ELECTRODES OR BOLTED USING ASTM A325 HIGH STRENGTH BOLTS. USE ONLY BOLTED CONNECTIONS WHERE SHOWN ON THE DRAWINGS.
8. EPOXY ANCHORS: HILTI HVA EPOXY ADHESIVE ANCHORS 303/316 STAINLESS STEEL UNLESS NOTED OTHERWISE.
9. PREPARE AND SUBMIT FOR REVIEW SHOP DRAWINGS AND ERECTION DRAWINGS. INDICATE STEEL MEMBERS, CONNECTIONS, ANCHORS, ELEVATIONS, DETAILS AND FINISHES.
10. ALL SHOP DRAWINGS MUST BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

MISCELLANEOUS METALS

1. ALL MATERIAL SHALL CONFORM TO CSA G40.21 GRADE 300W
2. FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1.
3. ALL WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY A WELDER QUALIFIED UNDER CSA W47.
4. ALL STEEL SHALL HAVE 1 SHOP COAT OF PRIMER, CISC 1-73a.
5. REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED. SPOT PRIME AS REQUIRED.
6. ALL CONNECTIONS SHALL BE WELDED, USING E480XX ELECTRODES OR BOLTED USING ASTM A325 HIGH STRENGTH BOLTS. USE ONLY BOLTED CONNECTIONS WHERE SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CONSULTANT FOR REVIEW ERECTION DIAGRAMS AND SHOP DRAWINGS, STEEL MEMBERS, CONNECTIONS, ANCHORS, ELEVATIONS, AND DETAILS.
8. EPOXY ANCHORS: HILTI HVA EPOXY ADHESIVE ANCHORS 303/316 STAINLESS STEEL

ROUGH CARPENTRY

1. STRUCTURAL LUMBER TO CSA 086.
2. ALL MATERIAL SHALL BE IDENTIFIED BY GRADE STAMP OF AN ASSOCIATION OR APPROVED GRADING AGENCY, STRUCTURAL LUMBER SHALL BE GRADE MARKED TO CSA 0141.
3. FRAMING LUMBER: SPF 2
4. STUDS: SPF STUD GRADE
5. PANEL MATERIALS TO CSA 0121, TIGHT FACED, SELECT GRADE, THICKNESS AS NOTED, SQUARE EDGE.
6. ROOF SHEATHING: EXTERIOR GRADE D, FIR PLYWOOD, G1S
7. SOFFIT PANELS: EXTERIOR GRADE D, FIR PLYWOOD, G1S, PRESSURE TREATED
8. INTERIOR PANELS: EXTERIOR GRADE D. FIR PLYWOOD G1S
9. FASTENINGS FOR EXTERIOR WORK: NAILS, BOLTS STEEL STRAPS AND WELDED CONNECTIONS TO BE HOT DIP GALVANIZED AND CONFORM TO CSA 086.
10.
11. ANCHOR BOLTS MINIMUM 10mm DIAMETER COMPLETE WITH NUTS AND OVERSIZED WASHERS.
12. PRESERVATIVE TREATMENT TO CSA 080.
13. TIMBER TO TIMBER CONNECTIONS IN SAME PLANE SHALL BE MADE WITH APPROVED JOIST HANGERS OR FRAMING ANCHORS.
14. SILL PLATE GASKETS' OWENS CORNING "FOAMSEALR", 140mm WIDE POLYETHYLENE FOAM COMPRESSIBLE SILL PLATE GASKET.
15. PROVIDE LATERAL RESTRAINT AT ALL BEARING LOCATIONS AND ONE ROW OF BRIDGING AT ALL MIDSPANS UNLESS NOTED OTHERWISE.

FINISH CARPENTRY

1. ALL MILLWORK SHALL BE IN ACCORDANCE WITH AWMAC STANDARD DETAILS AND SPECIFICATIONS.
2. SOFTWOOD LUMBER: CAN/CSA 0141. UNLESS SPECIFIED OTHERWISE, S4S, MOISTURE CONTENT 19% OR LESS. NLGA STANDARD GRADING RULES FOR CANADIAN LUMBER. AWMAC CUSTOM PREMIUM GRADE, MOISTURE CONTENT AS SPECIFIED.
3. HARDWOOD LUMBER: TO NHLA REQUIREMENTS, MOISTURE CONTENT OF 6% MAXIMUM, MAPLE SPECIES, AWMA CUSTOM GRADE. BENCH SLATS: CLEAR GRADE MAPLE.
4. DOUGLAS FIR PLYWOOD (DFP): TO CSA 0121-M89 STANDARD CONSTRUCTION. FORESTRY STEWARDSHIP COUNCIL (FSC) CERTIFIED. UREA-FORMALDEHYDE FREE.
5. CANADIAN SOFTWOOD PLYWOOD (CSP): TO CSA 0151-04, STANDARD CONSTRUCTION. FORESTRY STEWARDSHIP COUNCIL (FSC) CERTIFIED. UREA-FORMALDEHYDE FREE.
6. HARDWOOD VENEERED PLYWOOD: TO CSA 0115, OF THICKNESS INDICATED, TYPE II SELECT GRADE MAPLE, WHERE TRANSPARENT FINISH IS REQUIRED AND SOLID GRADE WHERE PAINT FINISH IS REQUIRED. GOOD TWO SIDES FOR WORK WITH TWO SIDES EXPOSED TO VIEW; GOOD ONE SIDE FOR WORK WITH ONE SIDE EXPOSED TO VIEW. USE PARTICLE BOARD CORE WITH TYPE I BOND.
7. PARTICLEBOARD: TO ANSI A208.1. FORESTRY STEWARDSHIP COUNCIL (FSC) CERTIFIED. UREA-FORMALDEHYDE FREE.
8. MEDIUM DENSITY FIBREBOARD (MDF): TO ANSI A208.2-02, DENSITY 640-800 KG/M3. FORESTRY STEWARDSHIP COUNCIL (FSC) CERTIFIED. UREA-FORMALDEHYDE FREE.
9. SLAT WALL PANELS
   - 9.1. BASIS OF DESIGN TIMELINE FLUTED SCALLOP, SOLID RED OAK. TO BE STAINED AND RECEIVE A SATIN FINISH PROTECTION COATING
10. PLASTIC LAMINATE
    - 10.1. PLASTIC LAMINATE FACING SHEET: ANSI/NEMA LD 3-2005 HIGH-PRESSURE DECORATIVE LAMINATES (HPDL) PF-S AND GP-S; BACKING SHEET: BK GRADE BY MANUFACTURER OF FACING SHEET. CORE: CAN3-0188.1M, GRADE R. LAMINATING ADHESIVE: CAN3-0112 SERIES M. CORE SEALER: CLEAR WATER RESISTANT SYNTHETIC RESIN SEALER. COLOURS, PATTERN, GLOSS AND TEXTURE WILL BE SELECTED BY CONSULTANT FROM FULL RANGE OF PRODUCTS BY ONE OF THE FOLLOWING:
    - 10.2. FORMICA,
    - 10.3. ARBORITE,
    - 10.4. NEVAMAR
    - 10.5. WILSONART.
    - 10.6. UP TO THREE (3) COLOURS AND PATTERNS WILL BE SELECTED BY THE CONSULTANT.
11. SOLID SURFACE COUNTER: WILSONART SOLID SURFACE TO BE BASED ON LEAD TIME
    - 11.1. OPTION 1: BLUESTONE 9074EA
    - 11.2. OPTION 2: AVALANCHE MELANGE 9175ML
    - 11.3. OPTION 3: NORTHERN MELANGE 9195ML
12. ROUGH HARDWARE: BOLTS, LAG SCREWS, ANCHORS, NAILS AND EXPANSION SHIELDS REQUIRED TO SECURE THIS PORTION OF WORK. ROUGH HARDWARE HOT DIP GALVANIZED CONFORMING TO LATEST EDITION OF CAN/CSA-G164. ALL FASTENERS USED IN DAMP OR WET AREAS TO BE SUITABLE FOR USE IN CORROSIVE ENVIRONMENT. USE HOT DIPPED GALVANIZED OR OTHER MATERIAL APPROVED BY THE CONSULTANT.
13. NAILS AND STAPLES: TO CSA B111, GALVANIZED TO CAN/CSA G164.
14. WOOD SCREWS: TO CSA B 35.4 PLAIN TYPE AND SIZE TO SUIT APPLICATION.
15. STAINLESS STEEL HARDWARE: TYPE 316 STAINLESS STEEL FOR EXPOSED OR WET LOCATIONS, TAMPER PROOF.
16. SPLINES: WOOD OR METAL TO SUIT APPLICATION.
17. ADHESIVE: RECOMMENDED BY MANUFACTURER, WATERPROOF TYPE, MAXIMUM VOC LIMIT 30 G/L SCAQMD RULE 1168 - ADHESIVES AND SEALANTS APPLICATIONS.

FIRESTOPPING AND SMOKE SEALS

1. FIRESTOPPING AND SMOKE SEAL SYSTEMS ULC LISTED IN ACCORDANCE WITH CAN4-S115.
2. ASBESTOS-FREE MATERIALS AND SYSTEMS CAPABLE OF MAINTAINING EFFECTIVE BARRIER AGAINST FLAME, SMOKE AND GASES IN COMPLIANCE WITH REQUIREMENTS OF CAN/ULC-S115-11, ULC LABELLED. AND NOT TO EXCEED OPENING SIZES FOR WHICH THEY ARE INTENDED.
3. FIRE STOPPING MATERIALS; FOAMED IN PLACE INSULATION, MORTAR, GROUT, GUN GRADE SEALANT, MINERAL FIBRE OR OTHER ULC LABELLED PRODUCTS.
4. SERVICE PENETRATION ASSEMBLIES AS LISTED IN ULC GUIDE 40 U19.
5. SEALANTS FOR VERTICAL JOINTS SHALL BE NON-SAGGING.
6. SUBMIT CERTIFIED TEST REPORTS FROM APPROVED INDEPENDENT TESTING LABORATORIES, INDICATING COMPLIANCE OF APPLIED FIRE STOPPING WITH SPECIFICATIONS FOR SPECIFIED PERFORMANCE CHARACTERISTICS AND PHYSICAL PROPERTIES

SEALANTS

1. ALL SEALANT MATERIAL SHALL BE ASBESTOS FREE.
2. SUBMIT WHMIS DATA SHEETS FOR REVIEW AND APPROVAL.
3. SEAL ALL JOINTS BETWEEN DISIMILAR MATERIALS AND SURFACES.
4. SEALANT SHALL BE TREMCO MONO OR EQUIVALENT.
5. BACKER ROD: SEALTIGHT ETHAFOAM BY WR MEADOWS OR EQUIVALENT. SIZED 30-50% LARGER THAN JOINT.
6. PRIMERS AS RECOMMENDED BY SEALANT MANUFACTURER.
7. CLEAN AND PRIME SUBSTRATES AND INSTALL BACKER ROD AND SEALANT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. SEALANTS SHALL COMPY WITH THE FOLLOWING STANDARDS;
   - 8.1. ASTM C834-14 STANDARD SPECIFICATION FOR LATEX SEALANTS
   - 8.2. ASTM C920-14A STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANTS
   - 8.3. ASTM C1184-14 STANDARD SPECIFICATION FOR STRUCTURAL SILICONE SEALANTS
   - 8.4. ASTM C1193-13 STANDARD GUIDE FOR USE OF JOINT SEALANTS
   - 8.5. ASTM C1311-14 STANDARD SPECIFICATION FOR SOLVENT RELEASE SEALANTS

HOLLOW METAL DOORS AND FRAMES

1. DOORS: 18 GAUGE, WIPE COAT GALVANIZED STEEL,
2. FRAMES: 16 GAUGE PRESSED STEEL, WIPE COAT GALVANIZED, FORMED TO PROFILES SHOWN
3. FRAME ANCHORS: TO SUIT, MIN 18 GAUGE GALV STEEL C/W HARDWARE. PROVIDE SIX (6) JAMB ANCHORS AND TWO (2) BASE ANCHORS FOR EACH FRAME
4. PRIMER: TO CGSB 1-GP-181
5. WELDING: TO CSA W59
6. BLANK, MORTICE, REINFORCE, DRILL AND TAP DOORS AND FRAMES TO RECEIVE TEMPLATED HARDWARE AS REQUIRED
7. FIRE LABELS: METAL, RIVETTED
8. FIT INTERIOR FRAMES WITH RUBBER BUMPERS, GLYN JOHNSON GJ64
9. STEEL FIRE RATED DOORS AND FRAMES: LABELLED AND LISTED BY AN ORGANIZATION ACCREDITED BY STANDARDS COUNCIL OF CANADA IN CONFORMANCE WITH CAN4-S104 NFPA 252 FOR RATINGS SPECIFIED OR INDICATED.
10. PROVIDE FIRE LABELED FRAMES FOR OPENINGS REQUIRING FIRE PROTECTION RATINGS. TEST PRODUCTS IN CONFORMANCE WITH CAN4-S104, ASTM E152 OR NFPA 252 AND LISTED BY NATIONALLY RECOGNIZED AGENCY HAVING FACTORY INSPECTION SERVICES
11. PROVIDE FIRE LABELED DOORS FOR THOSE OPENINGS REQUIRING FIRE PROTECTION RATINGS, AS SCHEDULED. TEST SUCH PRODUCTS IN CONFORMANCE WITH CAN4-S104 ASTM E 152 NFPA 252 AND LIST BY NATIONALLY RECOGNIZED AGENCY HAVING FACTORY INSPECTION SERVICE AND CONSTRUCT AS DETAILED IN FOLLOW-UP SERVICE PROCEDURES/FACTORY INSPECTION MANUALS ISSUED BY LISTING AGENCY TO INDIVIDUAL MANUFACTURERS

ROLLING SHUTTERS

1. ROLLING SHUTTERS SHALL BE HEAVY DUTY ROLLING ALUMINUM COUNTER SHUTTERS AS MANUFACTURED BY AMSTEL MANUFACTURING INC. OR APPROVED EQUAL.
2. CURTAIN: CONSTRUCTED OF EXTRUDED ALUMINUM (6063 ALLOY) FLAT SLATS. SLATS SHALL BE 32 MM WIDE X 13 MM DEEP. MATERIAL THICKNESS TO BE MINIMUM 1.25 MM. ALTERNATE SLATS TO HAVE END LOCKS. BOTTOM BAR SHALL BE AN EXTRUDED ALUMINUM TUBULAR MEMBER WITH SLIDE BOLTS FOR LOCKING INTO GUIDES. BOTTOM EDGE SHALL BE FURNISHED WITH BLACK VINYL ASTRAGAL.
3. GUIDES: HEAVY EXTRUDED ALUMINUM SECTIONS WITH UPSET SHOULDERS FOR CURTAIN RETENTION. EACH GUIDE SHALL BE FITTED WITH PILE LINERS AND SNAP IN COVER MOULDS.
4. COUNTERBALANCE ASSEMBLY: SPRING COUNTERBALANCE SHALL BE HOUSED IN A STEEL PIPE OF SUFFICIENT DIAMETER TO CARRY THE DOOR LOAD WITH MAXIMUM DEFLECTION OF 2.5MM / LINEAL METRE OF OPENING WIDTH. DOORS SHALL BE EVENLY BALANCED HELICAL TORSION SPRINGS DESIGNED TO INCLUDE AN OVERLOAD FACTOR OF 25%. SPRING TENSION SHALL BE ADJUSTABLE FROM OUTSIDE OF END BRACKET PLATES. SUPPLY SEALED BALL BEARINGS AT ROTATING SUPPORT POINTS.
5. HOOD: 0.6MM GALVANIZED STEEL. SUPPLY HOOD PRIMED, READY FOR PAINT.
6. BRACKETS: BRACKET PLATES SHALL BE OF SUFFICIENT THICKNESS TO SUPPORT COUNTER BALANCE ASSEMBLY AND CURTAIN AND TO ACT AS ENCLOSURES AND SUPPORT FOR THE HOOD. STEEL PLATES SHALL BE MINIMUM 4MM THICK.
7. FINISHES: FACTORY FINISH TO COMPLY WITH NAAMM METAL FINISHES MANUAL. CLEAR ANODIZED.
8. OPERATION: (MOTOR) MECHANICALLY OPERATED WITH WALL MOUNTED SWITCH. SWITCH LOCATION TO BE MOUNTED AT ACCESSIBLE HEIGHT.
9. INSTALLATION SHALL BE BY MANUFACTURER OR HIS AUTHORIZED REPRESENTATIVES.
10. SUPPLY, FOR INSTALLATION INTO GYPSUM BD PARTITION, ALL NECESSARY HARDWARE, ANCHORS AND ACCESSORIES REQUIRED TO SUPPORT COUNTERBALANCE ASSEMBLY AND GUIDES.
11. INSTALL ROLLING SHUTTERS IN STRICT ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS.
12. SECURE GUIDES, BRACKETS AND HOOD TO ADJACENT CONSTRUCTION.
13. INSTALL AND ADJUST SHUTTERS AND OPERATORS TO ENSURE SMOOTH, DEPENDABLE OPERATION.
14. TOUCH-UP PRIME PAINTED FINISHES WHERE DAMAGED DURING INSTALLATION.
15. UPON COMPLETION OF THE WORK AND IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, INSPECT, TEST AND ADJUST INSTALLATION.
16. TEST ALL OPERABLE ELEMENTS AND ENSURE EASY AND SMOOTH OPERATION.

FINISH HARDWARE

1. SUBMIT HARDWARE LIST (6 COPIES) FOR APPROVAL IN ACCORDANCE WITH THE GENERAL CONDITIONS.
2. SUBMIT TEMPLATES TO DOOR AND FRAME SUPPLIER
3. LOCKS TO BE MASTER KEYED TO SUIT OWNER'S REQUIREMENTS
4. ALL HARDWARE TO MATCH EXISTING FACILITY
5. ALL FASTENERS SHALL BE CONCEALED OR TAMPERPROOF

HARDWARE GROUP NO. 1: DOOR 102A, 102B

1 1/2 PAIR BUTTS	SSBB1199x114x101xNRPx619	HAGER
1 LOCKSET	F51A ELA 626	SCHLAGE
1 CLOSER	4114H-CUSHx689	LCN
1 KICK PLATE	HA9502Ax305x870x630	HAGER
1 DOOR SWEEP	TW2100x900xAEA	THOMAS
1 PUSH BUTTON OPERATOR KIT		HAGER
KEY CARD ACCESS	MATCH EXISTING	(102A ONLY)

HARDWARE GROUP NO. 2: DOOR 102C

1 1/2 PAIR SPRING HINGES	1250x114x101xNRPx619	HAGER
1 KICK PLATE	HA9502Ax305x870x630	HAGER
1 DOOR SWEEP	TW2100x900xAEA	THOMAS
1 LOCKSET	F51A ELA 626	SCHLAG

GLASS AND GLAZING

1. TEMPERED SAFETY GLASS: TO CAN/CGSB-12.1-M, TRANSPARENT, 10 MM THICK UNLESS INDICATED OTHERWISE. TYPE 2-TEMPERED.
   - 1.1. CLASS B-FLOAT.
   - 1.2. CATEGORY 1 11.
   - 1.3. EDGE TREATMENT: GROUND, BEVEL EDGE.
2. FIRE RATED GLASS:
   - 2.1. MATERIAL: FIRE PROTECTIVE SAFETY LAMINATED GLASS CERAMIC WITH HOSE STREAM, FIRE RATING AS INDICATED.
   - 2.2. CONFORMING TO ULC 104 & ULC 106
   - 2.3. PRODUCT AND MANUFACTURER:
     - 2.3.1. PYRAN PLATINUM L AS MANUFACTURED BY SCHOTT TECHNICAL GLASS SOLUTIONS
     - 2.3.2. KERALITE SELECT L AS MANUFACTURED BY VETROTECH SAINT-GOBAIN NORTH AMERICA INC
     - 2.3.3. FIRELITE PLUS PREMIUM AS MANUFACTURED BY NIPPON GLASS.
   - 2.4. DESIGN REQUIREMENTS:
     - 2.4.1. THICKNESS: 8 MM THICK.
     - 2.4.2. WEIGHT: 19.5 KG/M2
     - 2.4.3. SOUND TRANSMISSION RATING: 36 STC.
     - 2.4.4. APPEARANCE: NEUTRAL COLOURATION FREE OF AMBER TINTS.
     - 2.4.5. FIRE RATING: FIRE RATED FROM 20-180 MINUTES WITH HOSE STREAM.
     - 2.4.6. IMPACT SAFETY RATING: MEET CPSC 16 CFR 1201 CATEGORY I & II.
     - 2.4.7. CRADLE TO CRADLE CERTIFICATION: MUST BE C2C SILVER CERTIFIED.
     - 2.4.8. POLISHED FINISH.
     - 2.4.9. ANZI Z97 IMPACT SAFETY FILMED AND LAMINATED
     - 2.4.10. ENVIRONMENTAL IMPACT: MANUFACTURING PROCESS AND FINAL COMPOSITION FREE FROM TOXINS OR HAZARDOUS HEAVY METALS.
   - 2.5. EACH PIECE OF FIRE-RATED GLAZING MATERIAL SHALL BE LABELED WITH A PERMANENT LOGO INCLUDING NAME OF PRODUCT, MANUFACTURER, TESTING LABORATORY AND FIRE RATING.
   - 2.6. ACCESSORIES
     - 2.6.1. GLAZING ACCESSORIES: MANUFACTURER RECOMMENDED FIRE RATED GLAZING ACCESSORIES AS FOLLOWS:
     - 2.6.2. GLAZING TAPE: CLOSED CELL POLYVINYL CHLORIDE (PVC) FOAM, PEMKO MANUFACTURING COMPANY, FG3000S90 OR UNIFAX CORPORATION FIBERFRAX ALUMINO-SILICATE FIBER GLAZING TAPE.
     - 2.6.3. SETTING BLOCKS: CALCIUM SILICATE OR HARDWOOD.
     - 2.6.4. CLEANERS, PRIMERS, SEALERS: TYPE RECOMMENDED BY MANUFACTURER OF GLASS AND GASKETS.

GYPSUM BOARD

1. COMPLY WITH REQUIREMENTS OF CSA A82.30 AND CSA A82.31
2. PLAIN GYPSUM BOARD; CSA A82.27 STANDARD, FOR NON-RATED APPLICATIONS. 1219mm WIDE X MAXIMUM PRACTICAL LENGTH, TAPERED EDGES, THICKNESS AS INDICATED.
3. LIGHTWEIGHT STEEL FRAMING FOR EXTERIOR WALLS TO ASTM A446.
4. NON-LOAD-BEARING CHANNEL STUD FRAMING TO ASTM C645, ROLL FORMED GALVANIZED SHEET STEEL.
5. SCREWS: CASE HARDENED SELF DRILLING NO. 6 GAUGE DRYWALL SCREWS TO CSA A82.31
6. JOINT TAPE: 50mm WIDE PERFORATED PAPER.
7. JOINT FILLER AND TOPPING: CASEIN, VINYL OR ACRYLIC BASE.
8. CASING BEADS; 20 GAUGE SHEET STEEL G20 FINISH, ASTM A525, PERFORATED,
9. ACOUSTIC INSULATION: FIBREGLAS OR MINERAL WOOL.

CERAMIC TILE

1. INSTALLATION OF CERAMIC TILE SHALL CONFORM TO INSTALLATION MANUAL 200, "CERAMIC TILE", BY THE TERRAZZO, TILE AND MARBLE ASSOCIATION OF CANADA (TTMAC) AND THE MANUFACTURER'S DIRECTIONS.
2. SUBMIT FULL RANGE OF MANUFACTURERS STANDARD SHAPES AND COLOURS FOR SELECTION BY THE CONSULTANT.
3. DELIVER, STORE AND HANDLE MATERIALS IN ACCORDANCE WITH MANUFACTURE'RS DIRECTIONS.
4. CERAMIC WALL TILE: CT1 DALTILE REMEDY OASIS RD28 2X10 GLOSSY RD2821OFLUSAM. RECTANGULAR FLUTED.
5. FLOOR TILE: PCT 1 DALTILE VOLUME 1.0 DEGREES SILVER VL71 12X24 MATTE. WALL BASE AS NOTED PCT3 IS THIS TILE IN SHAPE P36C9 COVE BASE 6X12
6. FLOOR TILE: PCT 2 IS TO MATCH EXISTING VESTIBULE AND WALL BASE TO ALSO MATCH
5. SETTING COMPOUND: MAPEI KERAPOXY OR FLEXTILE FLEX-EPOXY 100.
6. GROUT: WALL TILE: MAPEI KERAPOXY GROUT WARM GRAY 5093.
7. GROUT: FLOOR TILE: MAPEI KERAPOXY GROUT IRON 5107.
6. MORTAR BED: 1 PART PORTLAND CEMENT, 4 PARTS SAND AND 1 PART WATER, WITH MINIMUM 1/10 PART LATEX ADHESIVE.
7. FLOOR SEALER: AS RECOMMENDED BY TILE MANUFACTURER.
8. LAYOUT WALL AND FLOOR TILE WITH 1/16" JOINTS.
9. INSTALL WALL TILES IN PATTERN AS DETAILED OR DIRECTED BY THE CONSULTANT. TWO COLOURS WILL BE USED IN EACH ROOM.
10. CLEAN AND SEAL FLOOR TILES.

PAINT

1. ALL PAINTING SHALL BE IN ACCORDANCE WITH THE MASTER PAINTERS INSTITUTE (MPI) ARCHITECTURAL SPECIFICATION MANUAL.
2. PAINT MATERIALS AND MANUFACTURERS LISTED IN LATEST EDITION OF MPI APPROVED PRODUCTS LIST (APL) ARE ACCEPTABLE FOR USE ON THIS PROJECT.
3. PROVIDE PAINT PRODUCTS MEETING MPI "ENVIRONMENTALLY FRIENDLY" E2 OR E3 RATINGS BASED ON VOC (EPA METHOD 24) CONTENT LEVELS.
4. STORE ALL PAINT MATERIALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINISTRY OF LABOUR.
5. CLEAN AND PREPARE ALL SURFACES PRIOR TO PAINTING IN ACCORDANCE WITH MPI AND PAINT MANUFACTURERS INSTRUCTIONS.
6. TEST ALL SURFACES FOR MOISTURE. DO NOT PAINT WHEN MOISTURE CONTENT EXCEEDS 12%.
7. SEAL ALL KNOTS IN WOODWORK WITH EXTERIOR GRADE KNOT SEALER OR AS OTHERWISE DIRECTED BY THE PAINT MANUFACTURER.
8. PAINT ALL NEW MATERIALS AND SURFACES
9. PAINT SCHEDULE: COLOUR WILL BE SELECTED BY THE CONSULTANT FROM FULL RANGE OF MANUFACTURERS COLOUR CHARTS
10. STANDARD OF ACCEPTANCE:
    - 10.1. WALLS: NO DEFECTS VISIBLE FROM A DISTANCE OF 1000 MM AT 90 DEGREES TO SURFACE.
    - 10.2. FINAL COAT TO EXHIBIT UNIFORMITY OF COLOUR AND UNIFORMITY OF SHEEN ACROSS FULL SURFACE AREA.
11. DELIVER TO EXTRA MATERIALS FROM SAME PRODUCTION RUN AS PRODUCTS INSTALLED. PACKAGE PRODUCTS WITH PROTECTIVE COVERING AND IDENTIFY WITH DESCRIPTIVE LABELS.
    - 11.1. QUANTITY: PROVIDE ONE FOUR LITRE CAN OF EACH TYPE AND COLOUR OF PRIMER STAIN FINISH COATING. IDENTIFY COLOUR AND PAINT TYPE IN RELATION TO ESTABLISHED COLOUR SCHEDULE AND FINISH SYSTEM.
12. INTERIOR PAINTING SYSTEMS
    - 12.1. CONCRETE MASONRY UNITS: INT 4.2D HIGH PERFORMANCE ARCHITECTURAL LATEX G5 SEMI-GLOSS FINISH.
    - 12.2. CONCRETE MASONRY UNITS AT WET AREAS: INT 4.2G EPOXY (TILE-LIKE) FINISH.
    - 12.3. METAL FABRICATIONS: INT 5.3A LATEX G5 SEMI-GLOSS FINISH
    - 12.4. GALVANIZED METAL (INTERIOR DOORS, FRAMES, RAILINGS, MISC. STEEL, PIPES, AND DUCTS): INT 5.3A LATEX G5 SEMI-GLOSS FINISH
    - 12.5. GYPSUM BOARD WALLS : INT 9.2A LATEX G3 EGGSHELL FINISH OVER LATEX SEALER.
    - 12.6. GYPSUM BOARD CEILINGS AND BULKHEADS (WET AREAS): INT 9.2E EPOXY (TILE LIKE) FINISH
13. ALL OTHER SURFACES NOT NOTED ABOVE: HIGH PERFORMANCE FINISH SUITABLE FOR COMMERCIAL AND INSTITUTIONAL ENVIRONMENT AND IN ACCORDANCE WITH MPI PAINTING MANUAL.

ACCESSORIES

1. INSTALL WASHROOM ACCESSORIES IN ACCORDANCE WITH THE ONTARIO BUILDING CODE REQUIREMENTS FOR BARRIER FREE ACCESS, AND CAN/CSA B651-M.
2. ALL WASHROOM ACCESSORIES SHALL HAVE STAINLESS STEEL FINISH AND CONCEALED TAMPERPROOF FASTENINGS UNLESS NOTED OTHERWISE.
3. SD: SOAP DISPENSER: LIQUID WALL MOUNTED SOAP DISPENSER.SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
4. PTD: PAPER TOWEL DISPENSER: SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
5. FRAMED MIRROR: BOBRICK B-165 1830.
6. STAINLESS STEEL CLOTHES HOOK RAIL, BOBRICK B-232 X 24
7. M&BH: MOP AND BROOM HOLDER. 610MM LONG. TYPE 304 STAINLESS STEEL, SATIN FINISH. ANTI-SLIP MOP HOLDERS WITH SPRING-LOADED RUBBER CAM TO GRIP HANDLES 20-30MM DIAMETER. TO HOLD 3 MOPS 85MM FROM WALL. HEIGHT 125MM. BOBRICK B223 X 24
8. EQUIPMENT NOTED BELOW IS SUPPLIED BY OWNER PRODUCT DETAILS WILL BE PROVIDED FOLLOWING AWARD FOR COORDINATION, INSTALLED BY CONTRACTOR.
   - 8.1. COFFEE BREWER CBS-1230
   - 8.2. DISPLAY CASE
   - 8.3. REFRIGERATOR
   - 8.4. FREEZER
   - 8.5. UNDERCOUNTER SOLID DOOR REFRIGERATOR
   - 8.6. STANDARD WORK TABLE
   - 8.7. PAN RACKS
   - 8.8. ICOMBI PRO
   - 8.9. THREE TUB SINK
   - 8.10. DAIRY DISPENSER
   - 8.11. SURESHOT SUGARSHOT
   - 8.12. DISHWASHER
   - 8.13. ICE MACHINE
   - 8.14. ESPRESSO MACHINE

WINDOW FILM

1. BASES OF 3M GLASS FINISHES
2. DESIGN PATTERN: MATTE CRYSTAL-i SH2MACR-1 OR APPROVED ALTERNATE
3. OPACITY: 85%
4. PROVIDE SAMPLE FOR ARCHITECT REVIEW
5. FOLLOW MANUFACTURER RECOMMENDATION FOR INSTALLATION

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR REVIEW	JUNE. 19, 2026	BBA
2	ISSUED FOR REVIEW	JULY 10, 2026	BBA
3	ISSUED FOR PERMIT	JULY 14, 2026	BBA
4	ISSUED FOR TENDER	JULY 22, 2026	BBA

BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE CAFE INTERIOR ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
SPECIFICATIONS

DESIGN BY: JM
DRAWN BY: KJ
CHECKED BY: JM
DATE: JUNE, 2026
SCALE: AS NOTED
SEAL:

PROJECT NO: 26072
DRAWING NO: A902

GENERAL

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF ALL RELEVANT CODES AND STANDARDS.
2. CONFORM TO OWNER'S GENERAL SPECIFICATIONS INCLUDING ALL SAFETY REQUIREMENTS.
3. SITE VERIFY ALL DIMENSIONS AND LEVELS.
4. KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.
5. ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH OTHER CONSULTANTS DRAWINGS.

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. 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.
3. PROVIDE SHOP DRAWINGS OF COMPONENTS AND CONNECTIONS DESIGNED BY THE FABRICATOR'S ENGINEER. DRAWINGS SHALL BE SIGNED AND SEALED BY THAT ENGINEER.
4. FABRICATOR'S ENGINEER MUST BE LICENSED IN THE PROVINCE OF ONTARIO.
5. ALL ERECTION BOLTS SHALL BE ASTM GRADE A325 MINIMUM, AND SHALL BE DESIGNED BY STEEL FABRICATOR'S ENGINEER FOR TRANSFER OF ALL LOADS.
6. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS IN EACH CONNECTION PIECE AND DESIGNED AS BEARING CONNECTIONS U.N.O.
7. 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.
8. FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1.
9. ALL WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY A WELDER QUALIFIED UNDER CSA W47.
10. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP APPLIED COAT OF PRIMER. SPOT PRIME ALL WELDED AREAS.
11. REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED. SPOT PRIME AS REQUIRED.
12. ALL WELDED CONNECTIONS SHALL BE WITH CSA W48 SERIES ELECTRODES.
13. PROVIDE CAP PLATES ON ALL HSS FRAMING MEMBERS UNLESS NOTED OTHERWISE.
14. DO NOT CUT OR CORE ANY OPENINGS IN ANY STRUCTURAL STEEL MEMBERS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
15. 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.

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.

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.

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.

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:

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 OVERHEAD SHUTTER CONNECTION DETAILS AND 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.

STRUCTURAL STEEL

1. SUBMIT FOR REVIEW OF ERECTION DRAWINGS FOR ALL STRUCTURAL STEEL ELEMENTS. ALL MOMENT CONNECTIONS SHALL BE DESIGNED AND THE DRAWINGS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER.
2. SHOP DRAWING SUBMITTALS SHALL INCLUDE STEEL BEAM, COLUMN CONNECTIONS AND DETAILS SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH N.B.C. SECTIONS 2.3.4.4 AND 2.3.4.5.

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.

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*
ALL OTHER INTERIOR CONCRETE	25 MPa	80± 30	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. STRUCTURAL GROUT SHALL BE NON–SHRINK, NON METALLIC M–BED STANDARD PREMIX BY SIKA OR APPROVED EQUAL.
5. 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.

CONCRETE REINFORCEMENT

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

LOCATION	CLEAR COVER
SLABS	25mm(1") TOP BARS 25mm(1") BOTTOM BARS
SURFACE IN CONTACT WITH GROUND	75mm(3")

2. DETAIL REINFORCING STEEL IN ACCORDANCE WITH "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" LATEST EDITION.
3. REINFORCING BAR SPLICES FOR DEFORMED BARS:
   COLUMNS – COMPRESSION LAP UNLESS NOTED
   WALLS – CLASS 'B' TENSION SPLICE UNLESS NOTED
   ALL OTHERS – CLASS 'B' TENSION LAP UNLESS NOTED
4. ALL REINFORCING STEEL SHALL BE DEFORMED HARD GRADE BILLET STEEL CONFORMING TO CSA G30.18 GRADE 400.
5. WELDED STEEL WIRE FABRIC, PLAIN TYPE CONFORMING TO ASTM A1064/A1064M–22 IN FLAT SHEETS NOT ROLLED.
6. ALL CONCRETE REINFORCEMENT MUST BE PROPERLY CHAIRED WITH APPROVED BAR SUPPORTS.
7. PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A23.1 AND CSA A23.3 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.

STRUCTURAL DESIGN DATA MATRIX

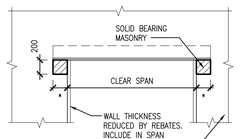
NO.	ITEM	DESCRIPTION				
1.	STRUCTURAL SYSTEM	CONVENTIONAL STEEL FRAMED BUILDING WITH MASONRY WALLS				
2.	DESIGN CODE	2024 OBC PART 4 (LATEST EDITION)				
3.	SNOW/ RAIN LOADS					
	A) IMPORTANCE (I_S)	1.15 ULS, 0.90 SLS				
	B) GROUND SNOW (S_S $\frac{kPa}{m^2}$)	1.20 kPa				
	C) GROUND RAIN (S_R $\frac{kPa}{m^2}$)	0.40 kPa				
4.	WIND LOAD					
	A) IMPORT (I_W)	1.15 ULS, 0.75 SLS		TERRAIN: OPEN		
	B) WIND PRESSURE (q $\frac{kPa}{m^2}$)	0.48 kPa		INTERNAL PRESSURE: CAT. 1		
5.	SEISMIC LOAD					
	A) IMPORTANCE (I_E)	1.3 ULS				
	B) SEISMIC DATA	S_a (0.2)	S_a (0.5)	S_a (1.0)	S_a (2.0)	
		0.367	0.323	0.188	0.0885	
	C) SITE DATA	SITE CLASS		SEISMIC CATEGORY		
		D (ASSUMED)		SC3		
		$I_E S(0.2)$ = 0.477				
6.	FOUNDATION					
	DESCRIPTION	CONVENTIONAL CONCRETE FOOTINGS.				
	SUB–GRADE	NATIVE				
	BEARING (ULS)	400 kPa				
	BEARING (SLS)	250 kPa				
	REFERENCE:	HALCROW YOLES AS–BUILT STRUCTURAL DRAWING SET, DATED FEBRUARY 2013.				

STEEL LINTELS FOR MASONRY WALLS

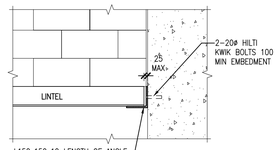
WALL THICKNESS	CLEAR SPAN					DETAIL
	UP TO 1200	1200 TO 1800	1800 TO 2400	2400 TO 3000	3000 TO 4500	
90 VENEER	1–L89x89x6.4	1–L127x89x6.4 (LLV)	1–L127x89x7.9 (LLV)	1–L152x89x9.5 (LLV)	SEE NOTE #4	L
140	2–L64x64x6.4	2–L89x64x6.4	2–L89x64x7.9	2–L89x64x9.5	W200x27	64 LEGS HORIZ
190	2–L89x75x6	2–L89x89x6	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 L

NOTES

1. CONNECT ANGLES AT 600 C/C BY WELDING OR BOLTING FOR ANGLES WITH A TOTAL LENGTH OF 1800 OR MORE. USE 16# 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)

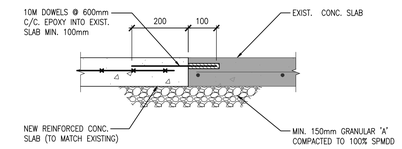


CONNECT TO STEEL WITH 6mm WELD TOP & BOTTOM FOR FULL LENGTH OF ANGLE

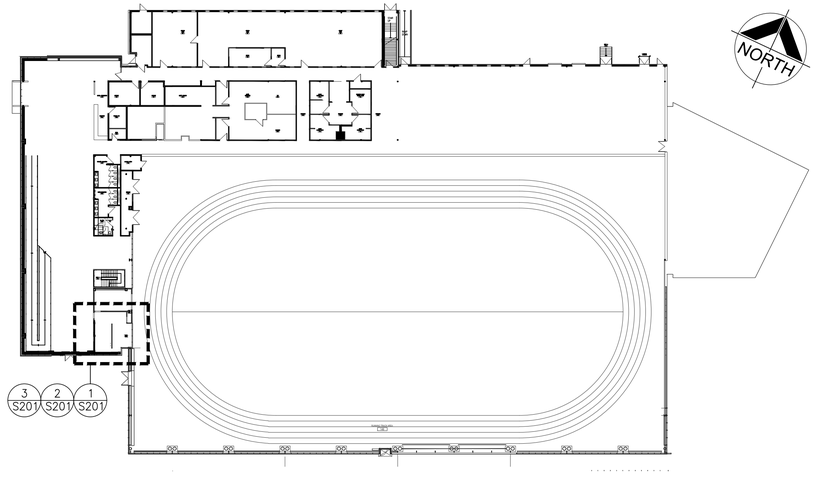
PROVIDE SHOP WELDED GALVANIZED STEEL STRAP ANCHORS AT 400 C/C FOR MASONRY ANCHORAGE TO STEEL COLUMN

LINTEL SUPPORTED BY CONCRETE OR STEEL MEMBER

3 / S101 MASONRY LINTEL SCHEDULE
1:20



2 / S101 TYPICAL SLAB-TO-SLAB CONNECTION DETAIL
N.T.S.



1 / S101 GROUND FLOOR KEY PLAN
1:500

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR PERMIT	JUL. 14, 2026	BBA
2	ISSUED FOR TENDER	JUL. 22, 2026	BBA

BBA
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR ALTERATIONS

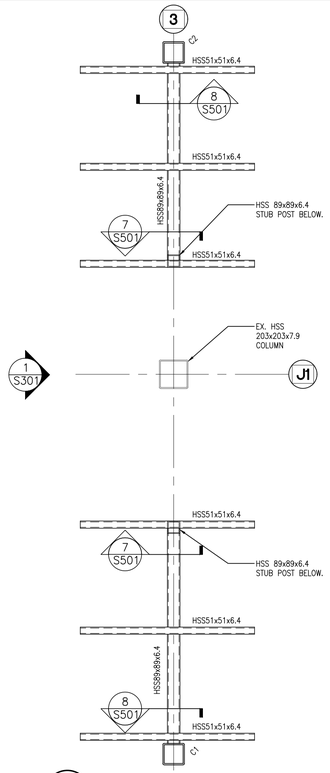
1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
GENERAL NOTES AND KEY PLAN

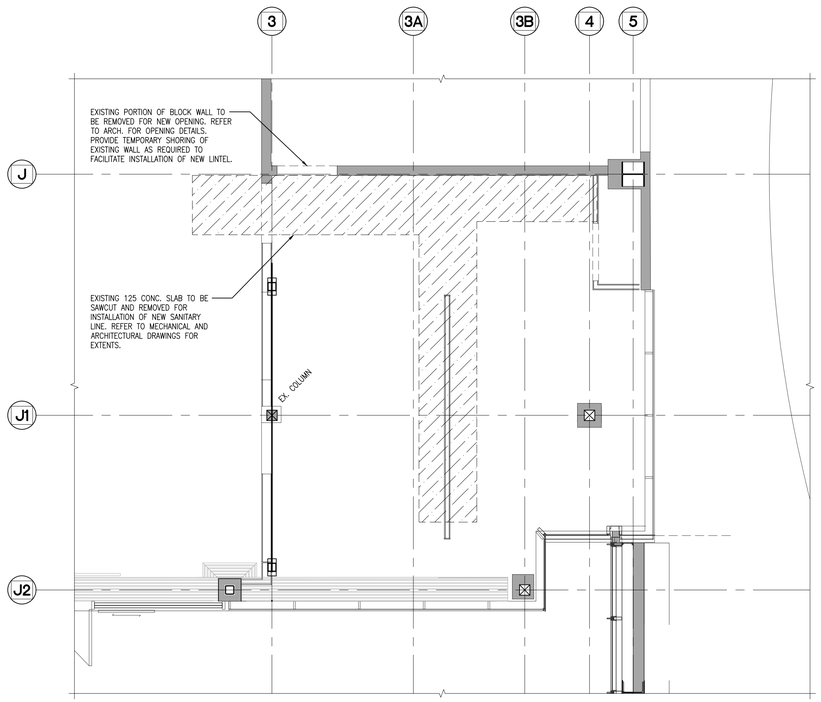
DESIGN BY: AS	SEAL:
DRAWN BY: LS	
CHECKED BY: SJ	
DATE: 26-06-30	
SCALE: AS NOTED	
PROJECT NO: 26072	DRAWING NO: S101

COLUMN SCHEDULE

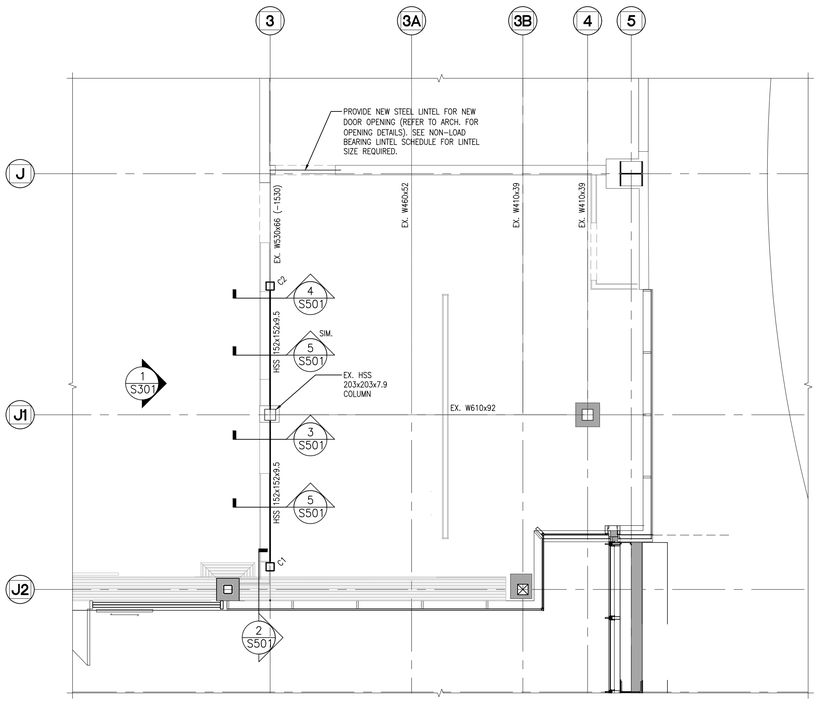
DATA \ MARK	C1	C2
T.O. EX. HSS GIRT (SEE SECTION)		
B.O. EX. W530 (SEE SECTION)		
T.O. FIN. GROUND FLOOR	HSS 152x152x9.5	HSS 152x152x9.5
DISTANCE FROM FINISHED FLOOR TO UNDERSIDE OF BASE PLATE	Z3	Z3
BASE PLATE	12.7x305x152	12.7x305x152
ANCHOR BOLTS	(2)-12.7mm DIA. HILTI KH-EZ ANCHOR, EMBED. 76mm INTO EXISTING CONCRETE SLAB.	(2)-12.7mm DIA. HILTI KH-EZ ANCHOR, EMBED. 76mm INTO EXISTING CONCRETE SLAB.



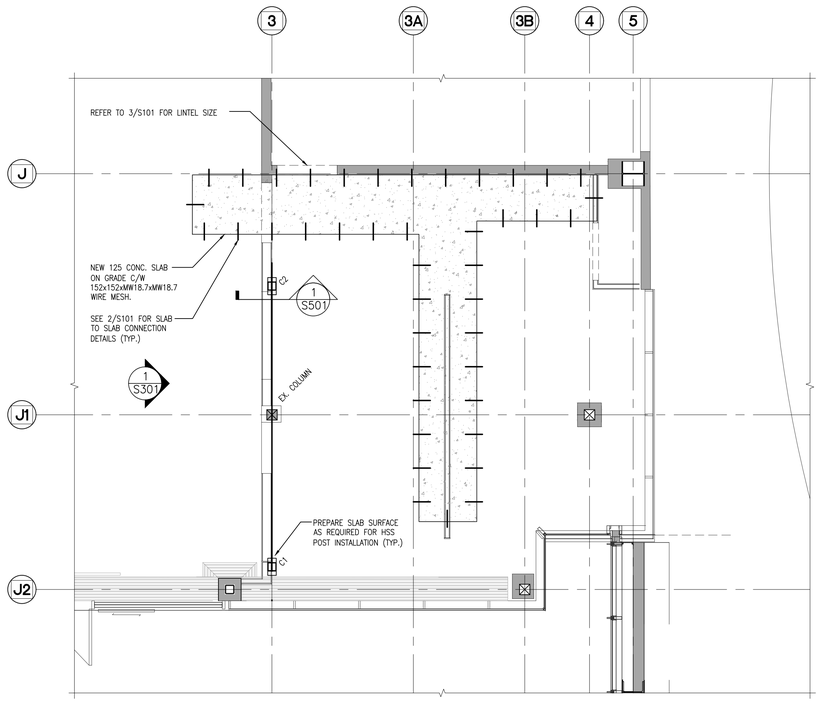
4 / S201 COUNTER FRAMING PLAN
1:20



3 / S201 PARTIAL FLOOR PLAN - DEMO
1:50



2 / S201 PARTIAL SECOND FLOOR FRAMING PLAN
1:50



1 / S201 PARTIAL FLOOR PLAN
1:50

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR PERMIT	JUL. 14, 2026	BBA
2	ISSUED FOR TENDER	JUL. 22, 2026	BBA

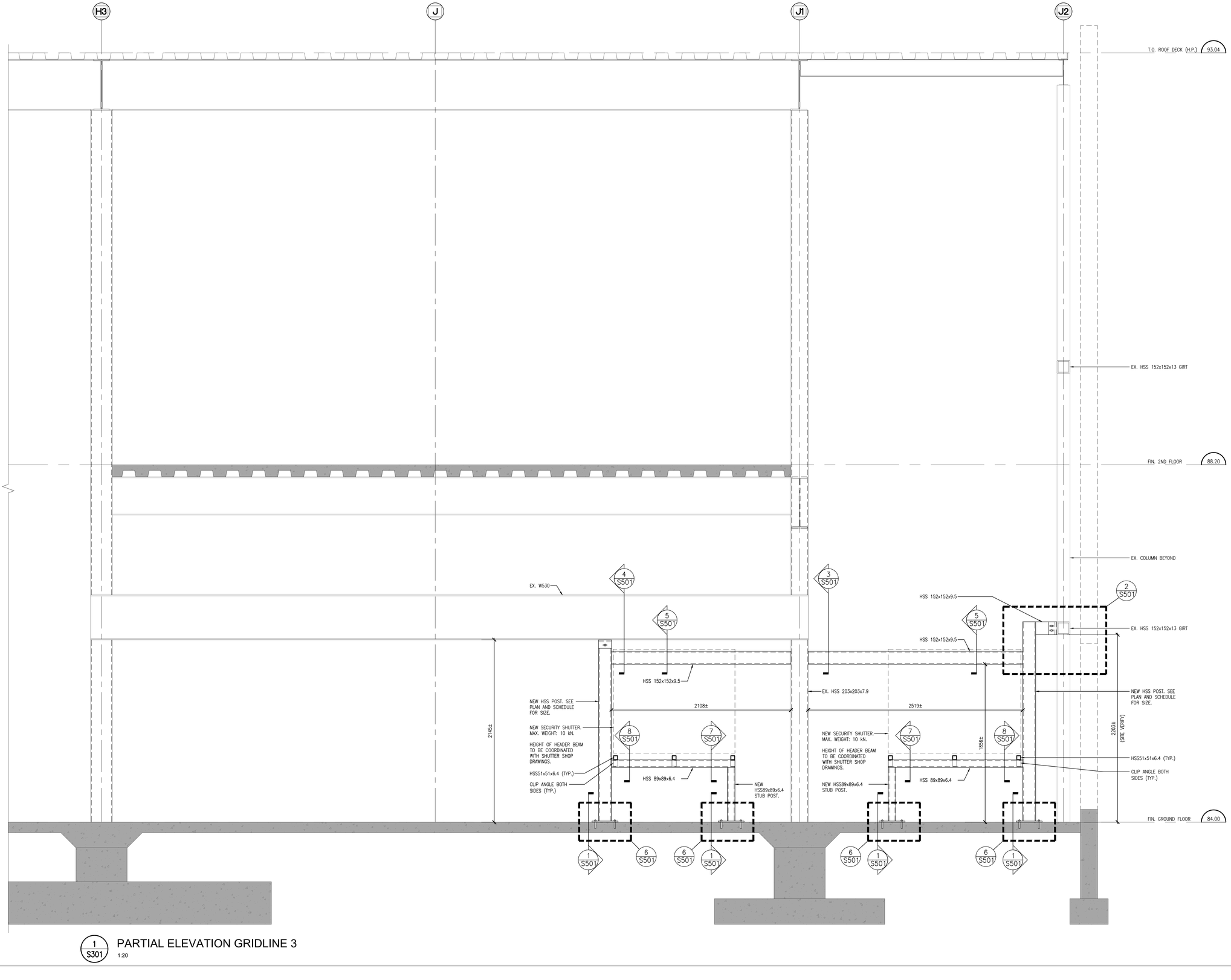
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
PARTIAL PLANS

DESIGN BY:	AS
DRAWN BY:	LS
CHECKED BY:	SJ
DATE:	26-06-30
SCALE:	AS NOTED
SEAL:	
PROJECT NO:	26072
DRAWING NO:	S201



1 S301 PARTIAL ELEVATION GRIDLINE 3

1:20

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR PERMIT	JUL. 14, 2026	BBA
2	ISSUED FOR TENDER	JUL. 22, 2026	BBA

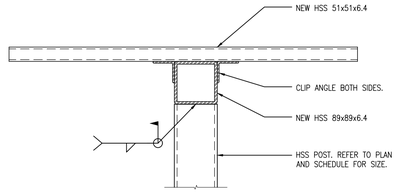
BBA
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
PARTIAL ELEVATION

DESIGN BY: AS	SEAL:
DRAWN BY: LS	
CHECKED BY: SJ	
DATE: 26-06-30	
SCALE: AS NOTED	
PROJECT NO: 26072	DRAWING NO: S301



7 / S501 SECTION
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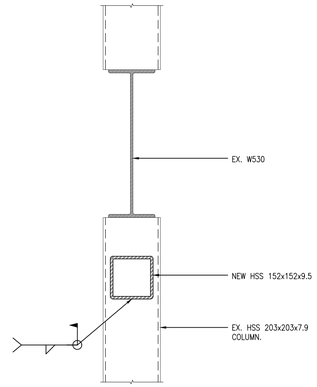

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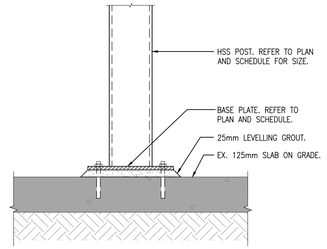

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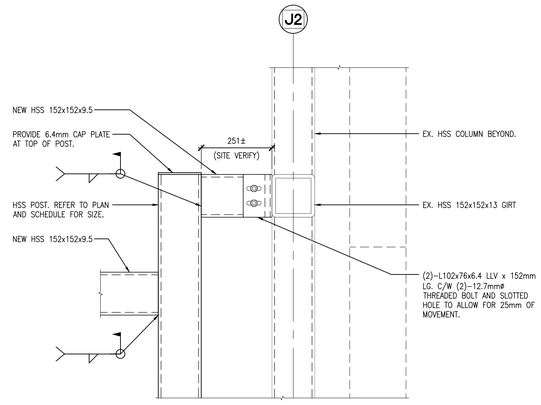
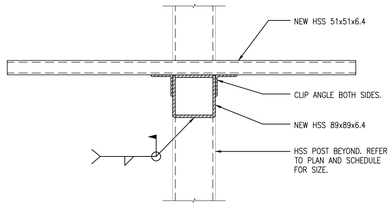
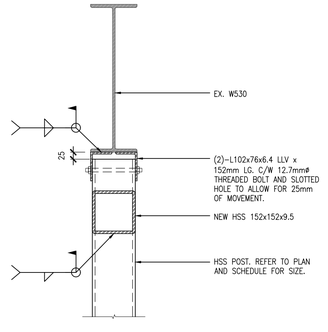


2 / S501 SECTION
1:10

5 / S501 SECTION
1:10



8 / S501 SECTION
1:10



4 / S501 SECTION
1:10

1 / S501 SECTION
1:10

Abilities Centre

NO.	ISSUES/ REVISIONS	DATE	BY
1	ISSUED FOR PERMIT	JUL. 14, 2026	BBA
2	ISSUED FOR TENDER	JUL. 22, 2026	BBA

BBA
BARRY BRYAN ASSOCIATES

PROJECT:
WHITBY ABILITIES CENTRE
CAFE INTERIOR
ALTERATIONS

1 JIM FLAHERTY ST
WHITBY, ONTARIO, L1N 0J2
ABILITIES CENTRE

DRAWING:
SECTIONS

DESIGN BY: AS	SEAL:
DRAWN BY: LS	
CHECKED BY: SJ	
DATE: 26-06-30	
SCALE: AS NOTED	
PROJECT NO: 26072	DRAWING NO: S501

GENERAL REQUIREMENTS FOR ELECTRICAL WORK

1. SCOPE OF WORK
 1.1. CONFORM TO ALL DRAWINGS RELATED TO THIS PROJECT.
 1.2. COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE O.B.C., ALL OTHER APPLICABLE CODES, REGULATIONS, BY–LAWS AND OFFICIAL STANDARDS ACCORDING TO THE REQUIREMENTS AND INTERPRETATIONS OF THE AUTHORITIES HAVING JURISDICTION. THESE CODES AND STANDRDS CONSTITUTE AN INTEGRAL PART OF THESE SPECIFICATIONS. IN CASE OF CONFLICT, THE CODES TAKE PRECEDENCE OVER THE CONTRACT DOCUMENTS.

2. EXAMINATION OF SITE AND INFORMATION
 2.1. EACH SUBCONTRACTOR, BEFORE TENDERING, SHALL EXAMINE THE SITE, THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND THEY SHALL FAMILIARIZE THEMSELVES WITH THE BUILDING CONSTRUCTION AND FINISH IN ORDER THAT THEIR TENDER MAY INCLUDE EVERYTHING NECESSARY FOR THE PROPER COMPLETION OF THE WORK.
 2.2. IT SHALL BE THIS SUBCONTRACTOR'S RESPONSIBILITY THAT MATERIAL AND EQUIPMENT BE BROUGHT INTO THE BUILDING IN SUCH ASSEMBLIES AND SIZES AS TO ENTER INTO THE SPACE WHERE THEY ARE TO BE LOCATED AND TO BE SMALL ENOUGH TO BE HOISTED INTO THE BUILDING WITHOUT DIFFICULTY. ANY CUTTING, PATCHING, ETC., INVOLVED IN GETTING LARGE ASSEMBLIES INTO PLACE, SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR.

3. RELATIONSHIP TO OTHER TRADES
 3.1. THIS SUBCONTRACTOR SHALL CONFER WITH ALL OTHER CONTRACTORS INSTALLING EQUIPMENT, PIPING, OTHER WORK, FOUNDATIONS, ETC., WHICH MAY AFFECT THEIR INSTALLATION, AND THEY SHALL ARRANGE THEIR EQUIPMENT, PIPING, ETC., IN PROPER RELATION WITH OTHER APPARATUS, AND WITH THE BUILDING CONSTRUCTION. THIS SUBCONTRACTOR SHALL ALSO CONFIRM THE ELECTRICAL CHARACTERISTICS OF THE PROJECT AND ORDER EQUIPMENT ACCORDINGLY.
 3.2. SPECIAL CARE SHALL BE TAKEN IN THE INSTALLATION OF ALL WORK, TO SEE THAT THEY ALL COME WITHIN THE LIMITS ESTABLISHED BY THE FINISH LINES OF ALL WALLS, FLOORS, CEILINGS, ETC.
 3.3. THIS SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR AND OTHER SUBCONTRACTORS WHO ARE CONCERNED, OF ALL OPENINGS, FOUNDATION WORK, HANGERS, INSERTS, ANCHORS, OR OTHER PROVISIONS NECESSARY IN THEIR WORK FOR THE INSTALLATION OF THE SUBCONTRACTORS WORK, AND THEY SHALL FURNISH ALL INFORMATION AND NECESSARY MATERIALS IN AMPLE TIME SO THAT PROPER PROVISIONS CAN BE MADE FOR SAME, AND SHALL SUPPLY AND CORRECTLY AND ACCURATELY PLACE ALL INSERTS, SLEEVES, ANCHORS, ETC.
 3.4. FAILURE TO COMPLY WITH THESE REQUIREMENTS ON THE PART OF THIS SUBCONTRACTOR WILL RENDER THEM RESPONSIBLE FOR THE COST OF CUTTING OPENINGS, INSTALLING HANGERS AND OTHER PROVISIONS AT A LATER DATE, AND THE SUBSEQUENT PATCHING, ETC., THEREBY REQUIRED.
 3.5. NO CUTTING SHALL BE DONE WITHOUT PERMISSION. ALL SUCH WORK SHALL BE DONE BY TRADES–PERSONS SKILLED IN AND CERTIFIED FOR THIS PARTICULAR TRADE.
 3.6. EACH SUBCONTRACTOR IS TO BE AN EXPERT IN THEIR TRADE.

4. SHOP DRAWINGS
 4.1. EACH SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW OF MATERIAL, EQUIPMENT, AND APPARATUS BEING PROVIDED BY THEM. THESE SHALL SHOW IN DETAIL THE DESIGN AND CONSTRUCTION AND PERFORMANCE OF ALL APPARATUS, ETC.
 4.2. THE ENGINEER'S REVIEW OF SHOP DRAWINGS AND MANUFACTURER'S SPECIFICATIONS OF ANY EQUIPMENT IS GENERAL AND IS NOT INTENDED TO SERVE AS A FINAL CHECK AND IT SHALL NOT RELIEVE THE SUBCONTRACTOR OF THE RESPONSIBILITY FOR ERRORS OR OF THE NECESSITY OF CHECKING THE DRAWINGS THEMSELVES, OR OF FURNISHING ANY OF THE MATERIALS AND PERFORMING THE WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS TO THE FULL INTENT OF THIS SPECIFICATION.
 4.3. BEFORE SUBMISSION, THIS SUBCONTRACTOR SHALL CHECK ALL SHOP DRAWINGS FOR ACCURACY OF DETAILS, DIMENSIONS, ETC. AND SHALL BE SATISFIED THAT THE DRAWINGS ARE CORRECT AND THAT THE EQUIPMENT WILL FIT PROPERLY IN THE ALLOTTED SPACE. THE SHOP DRAWINGS SHALL BE STAMPED BY THIS SUBCONTRACTOR WITH THE WORD 'REVIEWED', THE DATE OF APPROVAL, AND THE FIRM'S NAME PRIOR TO SUBMISSION.

5. REQUIREMENTS OF INSPECTION DEPARTMENTS
 5.1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION IN EACH CASE, PARTICULARLY ALL AFFECTED DEPARTMENTS OF THE MUNICIPALITY AND PROVINCE. ELECTRICAL EQUIPMENT SUPPLIED MUST CONFORM TO THE REGULATIONS OF CSA AND THE LOCAL UTILITY. ANYTHING NECESSARY TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS SHALL BE PROVIDED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNERS IF IT REASONABLY COULD HAVE BEEN FORESEEN WHEN TENDERING.
 5.2. EACH SUBCONTRACTOR SHALL PREPARE DRAWINGS IN ADDITION TO ENGINEER'S DRAWINGS AS MAY BE REQUIRED BY VARIOUS INSPECTION DEPARTMENTS HAVING JURISDICTION, AND OBTAIN THEIR APPROVAL BEFORE PROCEEDING WITH THE WORK.
 5.3. IN THE EVENT THAT THE INSPECTION DEPARTMENT'S REQUEST DEVIATES FROM THE ENGINEER'S LAYOUT, THE SUBCONTRACTOR SHALL CONSULT ENGINEER BEFORE PROCEEDING WITH THE SAME. IT SHALL BE NOTED THAT ENGINEER'S DRAWINGS ARE GENERALLY ACCEPTABLE TO INSPECTION DEPARTMENTS AND MINOR SUPPLEMENTS NEED ONLY BE MADE BY SUBCONTRACTORS.

6. CERTIFICATES, PERMITS, FEES
 6.1. SUBCONTRACTORS SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES INCLUDING PAYMENT FOR STREET CONNECTIONS TO STORM, SANITARY, WATER AND GAS IN ORDER THAT THE WORK HEREIN SPECIFIED MAY BE CARRIED OUT AND THEY SHALL FURNISH ANY CERTIFICATES NEEDED AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF THE MUNICIPALITY AND PROVINCE.

7. GUARANTEE
 7.1. THIS SUBCONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP USED IN THE WORK TO BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS, OF BEST QUALITY AND TYPE OBTAINABLE TO GIVE FIRST–CLASS CONSTRUCTION AND PROPER EFFICIENT OPERATION, AND FREE FROM ANY DEFECTS. ANY SUCH DEFECTS WHICH MAY APPEAR IN ANY OF THE WORK WITHIN ONE YEAR AFTER WRITTEN ACCEPTANCE OF THEIR WORK, SHALL BE REPAIRED AND REPLACED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WHERE SUCH DEFECTS OCCUR, THIS SUBCONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED IN MAKING THE DEFECTIVE WORK GOOD. THIS SHALL NOT OBSOLETE ANY LONGER WARRANTIES ON SPECIFIC ITEMS OF EQUIPMENT.
 7.2. ALL INJURIES TO ADJACENT WORK, PARTICULARLY PLASTER, WOOD FINISHES OR OTHER MATERIALS, OR DAMAGE TO OTHER EQUIPMENT, CAUSED BY SUCH DEFECTS OF THIS SUBCONTRACTOR'S WORK OR BY SUBSEQUENT REPLACEMENT AND REPAIR, SHALL BE MADE GOOD AT THE EXPENSE OF THIS SUBCONTRACTOR. ALL REPAIR WORK SHALL BE DONE BY TRADES RESPONSIBLE FOR THE ORIGINAL WORK.

8. DRAWINGS
 8.1. THE DRAWINGS SHOW THE APPROXIMATE LOCATION FOR SPECIAL APPARATUS AND THE MATERIALS THROUGHOUT THE BUILDING. THE ARRANGEMENT SHOWN ON THE DRAWING IS MORE OR LESS DIAGRAMMATIC AND AS SUCH APPROXIMATE ONLY, AND MAY BE ALTERED, AS APPROVED BY THE ENGINEER, TO MEET REQUIREMENTS OF THE APPARATUS, ETC., AND OF THE BUILDING. EACH SUBCONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL MEASUREMENTS FOR THEIR WORK THROUGHOUT, AND THEY SHALL ARRANGE THEIR PIPING, WIRING AND APPARATUS TO CONFORM TO THE ARCHITECTURAL AND STRUCTURAL DETAILS IN A SATISFACTORY MANNER AND SHALL CO–OPERATE WITH OTHER CONTRACTORS TO ENSURE THAT WORK SHALL MEET ALL REQUIREMENTS OF DIVERSE CONTRACTS.
 8.2. THE SUBCONTRACTOR IS PARTICULARLY CAUTIONED THAT SMALL SCALE ENGINEER'S PLANS MUST BE SUPPLEMENTED BY THEIR OWN DETAIL DRAWINGS WHERE NECESSARY FOR PROPER CO–ORDINATION OF THE WORK.
 8.3. ITEMS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED OR SPECIFIED BUT NOT SHOWN SHALL BE INCLUDED.
 8.4. ITEMS OBVIOUSLY REQUIRED TO PROVIDE A COMPLETE WORKING SYSTEM BUT NOT SPECIFIED NOR SHOWN SHALL BE INCLUDED.

9. RESPONSIBILITY AND LIABILITY
 9.1. EACH SUBCONTRACTOR SHALL SUPERVISE THE LAYING OUT OF THEIR WORK AND SHALL ARRANGE IT IN CO–OPERATION WITH OTHER WHO MAY BE WORKING ON THE PREMISES WHILE THE WORK OF THIS CONTRACT IS IN PROGRESS. THEY SHALL PROTECT FINISHED AND UNFINISHED WORK OF THIS CONTRACT AND/OR WORK OF OTHERS ON THE PREMISES UNTIL THE COMPLETED WORK HAS BEEN ACCEPTED.
 9.2. THE SUBCONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES FOUND IN THE DRAWINGS OR SPECIFICATIONS BEFORE SUBMITTING THEIR TENDER. THEY SHALL ABIDE BY DECISIONS GIVEN TO THEM IN WRITING WITH REGARD TO SAME. EACH SUBCONTRACTOR IS CAUTIONED THAT THE WORK AS SHOWN IS INTENDED TO BE COMPLETE IN ALL RESPECTS AND THAT FAILURE ON THEIR PART TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES WILL NOT RELIEVE THEM OF THE RESPONSIBILITY OF COMPLETING THE WORK AS INTENDED AT THE CONTRACT PRICE.

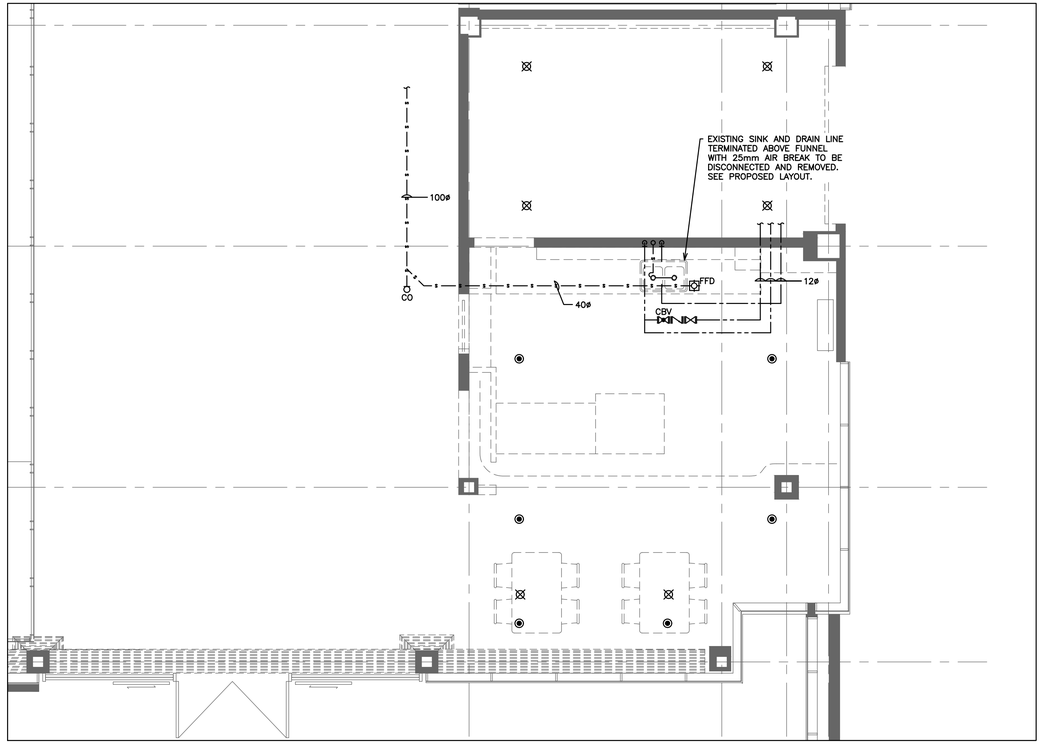
10. CLEAN–UP
 10.1. DURING THE COURSE OF CONSTRUCTION, EACH SUBCONTRACTOR SHALL KEEP THEIR WORK TIDY AND NOT ALLOW AN ACCUMULATION OF DEBRIS RESULTING FROM THEIR WORK.
 10.2. UPON COMPLETION OF THEIR WORK THEY SHALL LEAVE THE PREMISES IN A BROOM–CLEAN CONDITION.

11. PROTECTION
 11.1. SUBCONTRACTORS ARE TO PROTECT THEIR WORK FROM CONSTRUCTION DIRT OR DAMAGE FROM ANY CAUSE. SECURELY PLUG AND CAP ALL OPENINGS IN PIPE, EQUIPMENT AND FIXTURES TO PREVENT OBSTRUCTIONS.

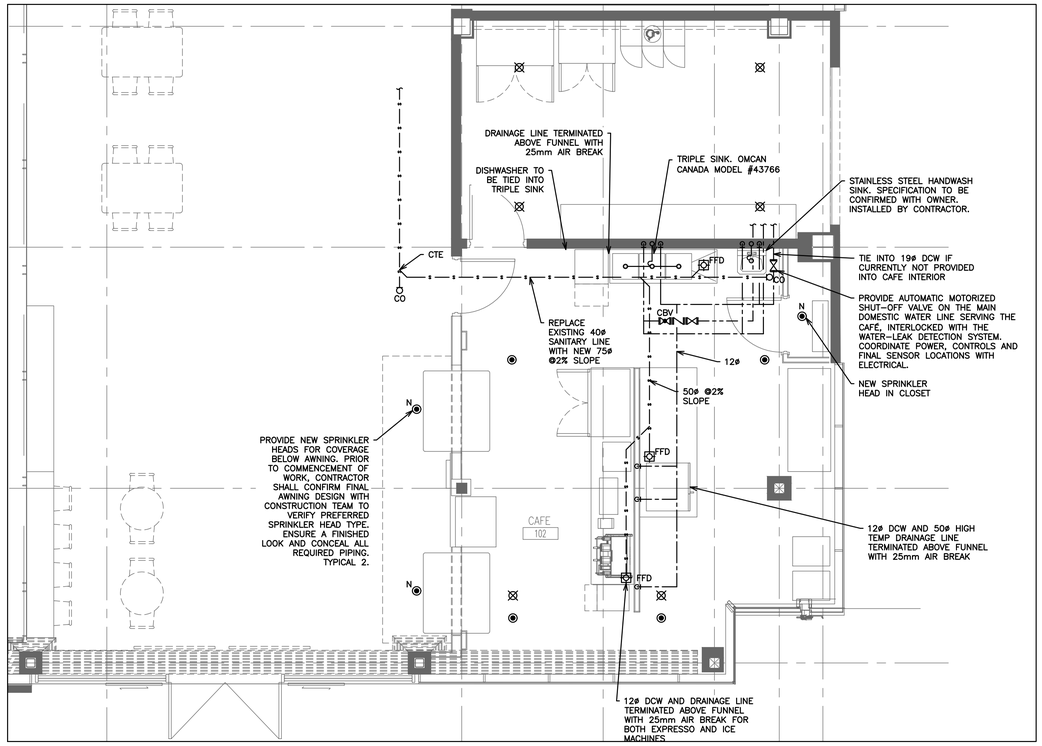
12. ELECTRICAL WIRING AND CONTROLS
 12.1. ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE DONE BY THE ELECTRICAL DIVISION. THE MECHANICAL TRADE INVOLVED SHALL PROVIDE STARTERS, THERMOSTATS, VALVES, CONTROL TRANSFORMERS, RELAYS, ETC. ALL CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR, UNLESS OTHERWISE NOTED ELSEWHERE IN THIS SPECIFICATION.

TYPICAL PIPE SIZES (MILLIMETERS)

	DCW	DHW	SANITARY	VENT
SINK	13ø	13ø	39ø	32ø
TRIPLE SINK	13ø	13ø	50ø	39ø
DISHWASHER (DOMESTIC)	–	13ø	39ø	–
2" FD	–	–	50ø	–



1 / M1 DEMOLITION PLAN
SCALE: 1:50



2 / M1 PROPOSED PLAN
SCALE: 1:50

PLUMBING GENERAL NOTES

1. GENERAL
 1.1. FOR CONTINUATION OF SITE SERVICES REFER TO SITE SERVICE DRAWING BY OTHERS. CO–ORDINATE EXACT LOCATION AND INVERTS OF SERVICES.
 1.2. PROVIDE CLEANOUTS AND TRAP PRIMING FOR SANITARY AS REQUIRED BY O.B.C. AND LOCAL AUTHORITIES. CLEANOUTS SIZE TO BE SAME AS SANITARY LINES.
 1.3. PROVIDE COMPLETE PLUMBING VENT SYSTEM AS REQUIRED BY O.B.C. AND LOCAL AUTHORITIES, INCLUDING MIN. 75ø VENT AT UPSTREAM END(S) OF SANITARY BUILDING DRAIN.
 1.4. ISOLATION VALVES TO BE PROVIDED AT ALL FIXTURES AND HOT WATER TANK.
 1.5. PIPE INSULATION TO BE 25mm FOR ALL NEW AND/OR EFFECTED DOMESTIC PIPING. IN EXPOSED AREAS PROVIDE CANVAS WRAP OVER INSULATION.

2. MATERIALS
 2.1. ALL PVC OR ABS TYPE PIPING TO BE USED ABOVE GROUND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS AND SHALL BE CONFIRMED TO BE ACCEPTABLE BY THE AUTHORITY HAVING JURISDICTION. IF ACCEPTABLE AND USED, IT SHALL BE PROVIDED WITH U.L.C. LISTED AND APPROVED FIRE STOP DEVICE AT ALL PENETRATIONS OF ANY FIRE SEPARATION.
 2.2. ALL ABOVE GROUND DOMESTIC PIPING SHALL BE TYPE 'L' COPPER OR PEX.
 2.3. ALL BURIED DOMESTIC PIPING SHALL BE TYPE 'K' COPPER.
 2.4. ALL ABOVE GROUND DRAINAGE PIPING SHALL BE CAST IRON 'MJ' PIPE OR PVC.
 2.5. ALL BURIED DRAINAGE PIPING SHALL BE DR26 PVC WITH CLASS P BEDDING.

PLUMBING CONSTRUCTION AND COORDINATION NOTES:

1, TENDERING OF THESE DOCUMENTS IS DONE UNDER THE MUTUAL UNDERSTANDING THAT ALL CONTRACTORS ARE EXPERIENCED AND LICENSED IN THE WORKS BEING PROVIDED AND THAT ALL COMPONENTS OF A FULLY FUNCTIONING SYSTEM WILL BE INCLUDED WHETHER SHOWN OR NOT SHOWN BUT IMPLIED FOR A COMPLETE SYSTEM.

2. PIPING SHOWN FOR SCHEMATIC AND SCOPE OF WORK PURPOSES IN GENERAL LOCATION OF USE, COORDINATE EXACT ROUTING ON SITE AND WITH BEST PRACTICES.

3. ALL SANITARY AND STORM TO BE RUN AT A MINIMUM SLOPES. ALL HORIZONTAL SANITARY LINES EQUAL TO OR LESS THAN 75ø TO BE RUN AT MINIMUM 2% SLOPE.

4. RUN ALL DOMESTIC AND SANITARY PIPING TIGHT TO UNDERSIDE OF SLAB

5. ALL PIPING SANITARY, STORM, AND DOMESTIC INCLUDING PEX PIPING BOTH EXPOSED AND CONCEALED SHALL ACCOMMODATE BOTH ACOUSTIC AND/OR INSULATION WRAP. CONTRACTOR TO COORDINATE. NO EXCEPTIONS.

6. COORDINATE SHARED SPACES WITH ELECTRICAL, GAS PIPING, HVAC DUCTWORK AND SPRINKLER PIPING.

7. COORDINATE ALL HOLES THOUGH SLAB AND MASONRY WALLS WITH GENERAL CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

8. REFER TO DETAIL FOR SUGGESTED FIRE STOPPING OF PIPING THROUGH FIRE SEPARATIONS

9. COORDINATE ACCESS DOORS/PANELS FOR ISOLATION VALVES AND CLEANOUTS WITH GENERAL CONTRACTOR

10. PROVIDE CLEANOUTS AS REQUIRED BY CODE. SIZE OF CLEANOUTS TO BE SAME SIZE AS SANITARY/STORM LINES.

11. PROVIDE VENTS THROUGH ROOF AS REQUIRED BY CODE. CONTRACTOR TO SUPPLY VENTING DRAWING TO ENGINEER FOR APPROVAL BASED ON PROPOSED VENT LENGTHS AND BEST ROUTING BASED ON SITE CONDITIONS AND COORDINATION WITH OTHER TRADES. FINAL VENTING LAYOUT AND ROUTING TO BE RESPONSIBILITY OF CONTRACTOR.

12. PROVIDE ISOLATION VALVES AT ALL HOT WATER TANKS AND ALL FIXTURES.

13. THE CONSULTANT RESERVES THE RIGHT TO MAKE REASONABLE CHANGES REQUIRED TO ACCOMMODATE CONDITIONS ARISING DURING THE PROGRESS OF THE WORK, AT NO EXTRA COST TO THE OWNER.

SPRINKLER INSTALLATION AND COORDINATION NOTES:

1. ENTIRE BUILDING SHALL BE PROTECTED WITH SPRINKLER SYSTEM.

2. SPRINKLER HEAD LAYOUT SHOWN FOR SCHEMATIC PURPOSES ONLY. THE SPRINKLER CONTRACTOR IS REQUIRED TO DESIGN AND INSTALL A COMPLETE SPRINKLER SYSTEM IN CONFORMANCE WITH NFPA 13–2016 UNDER BASE CONTRACT.

3. DESIGN DRAWINGS TO INCLUDE ALL PIPING COMPLETE WITH SIZES, VALVES, ASSOCIATED COMPONENTS.

4. NO EXTRA TO BE PROVIDED FOR ADDITIONAL SPRINKLER HEAD REQUIREMENTS. SPRINKLER HEADS SHOWN FOR SCHEMATIC PURPOSES ONLY. THE SPRINKLER CONTRACTOR IS REQUIRED TO DESIGN AND INSTALL A COMPLETE SPRINKLER SYSTEM.

5. TYPICAL BULKHEADS DETAILS ARE FOR ILLUSTRATION ONLY. CONTRACTOR IS RESPONSIBLE FOR REVIEWING ARCHITECTURAL DRAWINGS FOR CEILING PLANS WHEN PRICING PROJECT. FINAL SITE COORDINATION BETWEEN ALL TRADES WILL DETERMINE ACTUAL ROUTING.

6. COORDINATE SHARED SPACES WITH GAS PIPING, HVAC DUCTWORK AND PLUMBING PIPING.

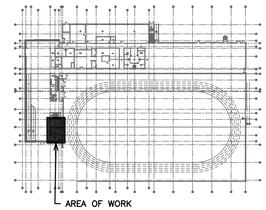
7. CLEARANCES TO BUILDING SERVICES/EQUIPMENT INCLUDING LIGHTING FIXTURES AND HVAC SYSTEMS SHALL BE IN CONFORMANCE WITH NFPA 13–2016 REQUIREMENTS.

8. ALL VALVES TO BE SUPERVISED BY FIRE ALARM SYSTEM AND LABELED TO MATCH FIRE ALARM SYSTEM.

9. TENDERING OF THESE DOCUMENTS IS DONE UNDER THE MUTUAL UNDERSTANDING THAT ALL CONTRACTORS ARE EXPERIENCED AND LICENSED IN THE WORKS BEING PROVIDED AND THAT ALL COMPONENTS OF A FULLY FUNCTIONING SYSTEM WILL BE INCLUDED WHETHER SHOWN OR NOT SHOWN BUT IMPLIED FOR A COMPLETE SYSTEM.

10. SPRINKLER SYSTEM IS TO BE INSTALLED OR EXTENDED IN CONFORMANCE WITH THE ONTARIO BUILDING CODE DIV. B. 3.2.5 & NFPA 13–2016.

11. PORTABLE FIRE EXTINGUISHERS MUST BE INSTALLED IN CONFORMANCE WITH THE ONTARIO FIRE CODE.



KEYPLAN
SCALE: N.T.S.

MECHANICAL DEMOLITION NOTES:

1. SPRINKLER HEADS SHOWN IN APPROXIMATE LOCATIONS. EXACT LAYOUT ON SITE MAY DIFFER FROM DRAWING. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY MAJOR DISCREPANCIES ON SITE DURING THE DEMOLITION STAGE.
2. ALL SPRINKLER HEADS SHALL REMAIN UNLESS OTHERWISE NOTED. SPRINKLER HEADS MAY BE RELOCATED TO SUIT THE NEW LAYOUT. REFER TO PROPOSED LAYOUT FOR CONTINUATION.
3. THE CONTRACTOR SHALL REMOVE EXISTING PLUMBING AND CONNECT NEW FIXTURES AS PER PROPOSED LAYOUT. RUN NEW 75ø SANITARY DRAINAGE FOR NEW CAFE REQUIREMENTS.
4. ANY SURPLUS BASE BUILDING MATERIALS ARE TO BE RETURNED TO THE LANDLORD.
5. SHUT DOWNS FOR MECHANICAL AND ELECTRICAL WORK ARE TO BE COORDINATED THROUGH LANDLORD.

SPRINKLER LEGEND

—— WET —— WET ——	SPRINKLER LINE (WET)
◉	SEMI–RECESSED PENDENT SPRINKLER HEAD C/W ESCUTCHEON
⊠	UPRIGHT SPRINKLER HEAD
N	NEW

PLUMBING LEGEND

——–——–——	DOMESTIC COLD WATER (DCW)
——–——–——	DOMESTIC HOT WATER (DHW)
——s——s——	BURIED SANITARY DRAINAGE (S)
—o——o——o—	PIPE UP, BRANCH DROPPING FROM TEE, PIPE DOWN
~	PIPE BREAK/CONTINUATION
⊠ XD	FLOOR (F), ROOF (R), HUB (H), FUNNEL (FF), AREA (A) DRAIN
⋈	BALL VALVE
⋈	CHECK VALVE
⋈	GLOBE VALVE
—s—CO	CLEAN OUT – IN FLOOR
o-ρ	SANITARY TRAP
WC–1	EQUIPMENT/FIXTURE TAG

NO.	SUBMISSION	DATE
3	ISSUED FOR TENDER	JUL 2026
2	ISSUED FOR PERMIT	JUL 2026
1	ISSUED FOR COORDINATION	JUL 2026

ABILITIES CENTRE CAFE
1 JIM FLAHERTY ST, WHITBY, ON

MECH. PLUMBING & SPRINKLER LAYOUT

D.G. BIDDLE & ASSOCIATES
CONSULTING ENGINEERS & PLANNERS
481 Taunton Rd W, Oshawa ON
150 King St, Peterborough ON
Phone: 905-576-8500
info@dgbiddle.com
dgbiddle.com

SCALE:	1:50
DESIGNED BY:	B.C.A.
CHECKED BY:	G..V.W.O
PROJECT NO.:	126734
DRAWING NO.:	M1

HVAC NOTES

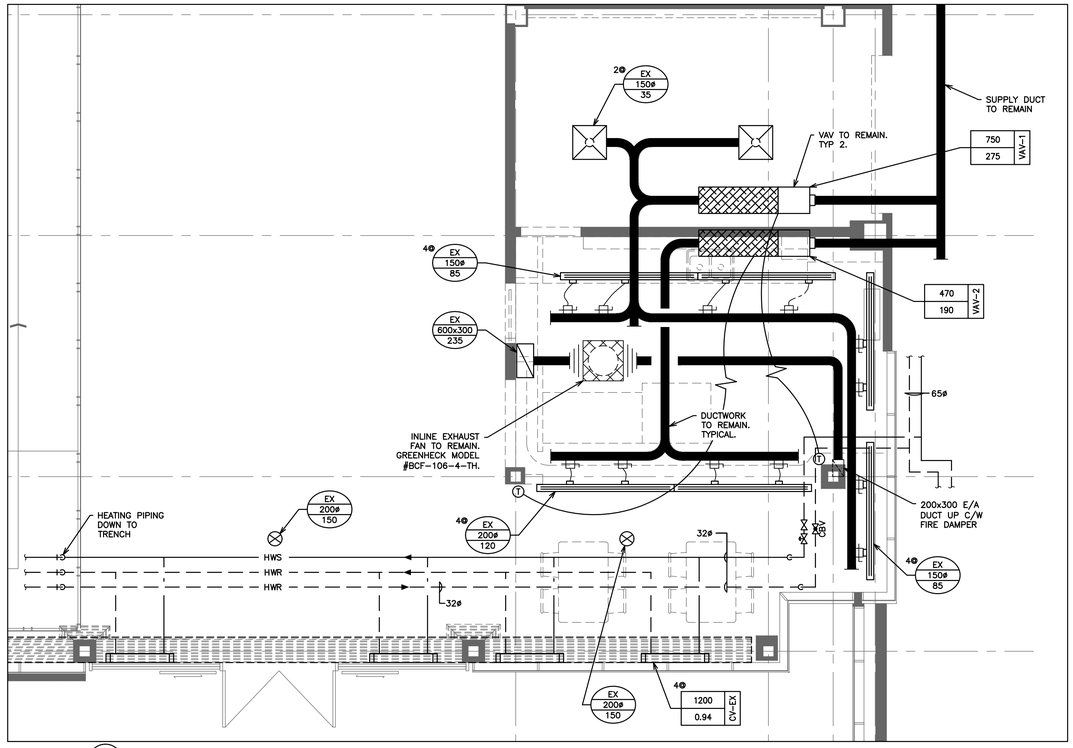
1. GENERAL
 1.1. COORDINATE EXACT LOCATION OF GRILLES AND DIFFUSERS WITH REFLECTED CEILING PLAN OR LIGHTING PLAN IF AVAILABLE. LIGHTING LOCATIONS TAKE PRIORITY.
 1.2. CONFIRM EXACT LOCATION OF THERMOSTATS/SENSORS WITH OWNER. MOUNT THERMOSTATS/SENSORS AT 4' ABOVE FINISHED FLOOR. ENSURE THERMOSTAT/SENSOR LOCATIONS WILL NOT BE AFFECTED BY DIRECT SUNLIGHT, COLD WALLS OR MILLWORK.
 1.3. PROVIDE 4" FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO AIR HANDLING UNITS.
 1.4. PROVIDE ACOUSTIC INSULATION IN FIRST 5' OF SUPPLY AND RETURN AIR DUCTS OFF AIR HANDLING UNITS AND AS INDICATED ON DRAWINGS.
 1.5. PROVIDE EXTERNAL INSULATION ON ALL SUPPLY AIR DUCTS AND ON ALL EXHAUST DUCTS WITHIN 10' OF OUTSIDE WALLS AND ROOF.
 1.6. BRANCH DUCTWORK TO DIFFUSERS TO BE SAME SIZE AS DIFFUSER NECK.
 1.7. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS FOR SUPPLY AIR DUCTS.
 1.8. FLEXIBLE DUCT SHALL BE MAXIMUM 10' IN LENGTH AND SHALL BE SECURELY FASTENED TO DUCTS AND DIFFUSERS. PROVIDE HANGERS AND FLEXIBLE DUCTWORK WITHOUT SHARP 90'S, SAGGING, OR CRUSHING OF DUCT.
 1.9. PROVIDE TRAP AT OUTLET OF DRAIN FOR ROOFTOP HVAC EQUIPMENT
 1.10. PROVIDE FIRE STOPPING AROUND OPENINGS THROUGH FIRE SEPARATIONS.

2. FIRE DAMPERS
 2.0. PROVIDE FIRE DAMPERS AT ALL FIRE SEPARATIONS. FIRE DAMPERS SHALL BE C/W LINKAGE OUT OF THE AIR STREAM. FIRE DAMPER RATING TO MATCH THE RATING OF THE SEPARATION CROSSED. INSTALLATION MUST CONFORM TO LATEST NFPA/CUA 90A SPECIFICATIONS. ONLY USE ULC APPROVED EQUIPMENT. PROVIDE DUCT ACCESS DOORS AND BREAK AWAY FLANGES FOR ALL FIRE DAMPERS IN CONFORMANCE WITH CODE AND INSTALLATION INSTRUCTIONS.

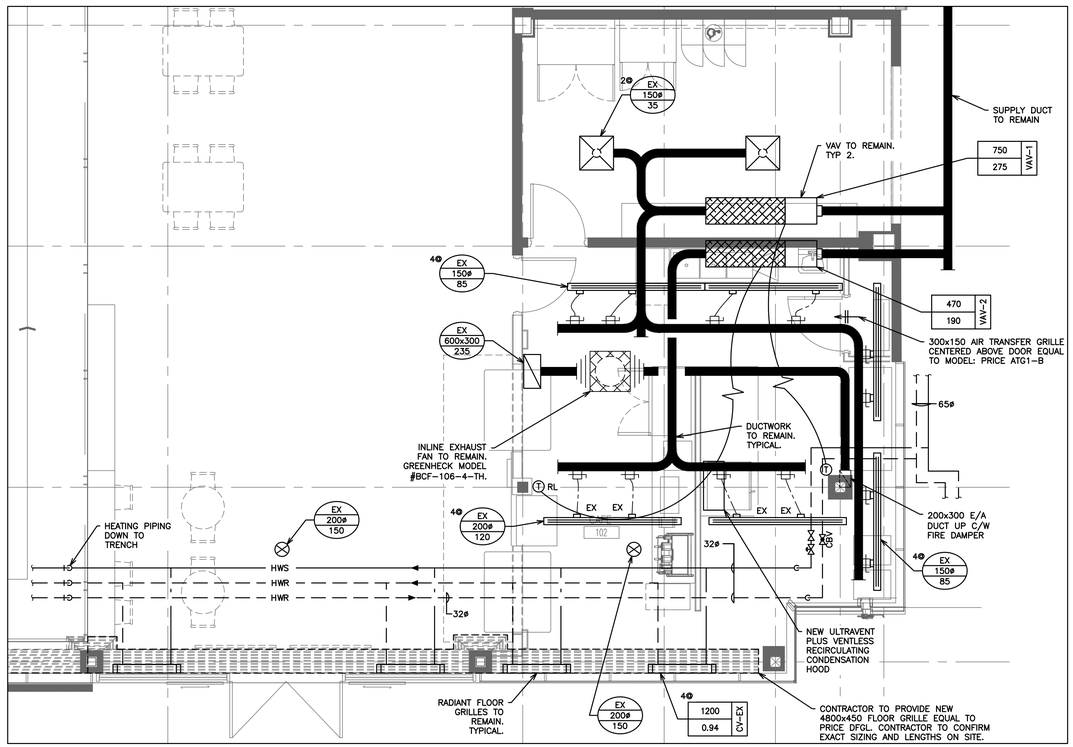
3. TESTS AND BALANCING
 3.1. BALANCING DAMPERS SHALL BE INSTALLED AT ALL TAKE-OFFS FROM BRANCH DUCTS, AND ALL BRANCH DUCT CONNECTIONS TO MAIN DUCTS. BALANCING DAMPERS SHALL BE MANUALLY OPERATED OPPOSED BLADE TYPE, SPLITTER TYPE OR BUTTERFLY TYPE, COMPLETE WITH LOCKING QUADRANT OPERATOR.
 3.2. AIR TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCING COMPANY. THE AIR BALANCING COMPANY SHALL BE APPROVED BY THE ENGINEER.
 3.3. SCOPE OF BALANCING WORK:
  3.3.1. ALL LISTED AIR HANDLING SYSTEMS SHALL BE BALANCED TO WITHIN 5% OF THE NOTED DESIGN AIR VOLUMES AS PER PLANS AND SPECIFICATIONS.
  3.3.2. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE HVAC SYSTEM FULLY OPERATIONAL TWO WEEKS BEFORE TURNOVER TO THE OWNER. THIS WILL INCLUDE THE REQUIREMENT TO INSTALL CLEAN FILTERS IN ALL RELATED HVAC EQUIPMENT BEFORE TIME OF AIR TESTING AND TO MAKE ALL AIR SYSTEMS FULLY OPERATIONAL.

4. MATERIALS
 4.1. DUCTWORK
  4.1.1. IN CONFORMANCE WITH SMACNA, ASHRAE, OBC, NFPA 90A
  4.1.2. SHEET METAL SHALL BE BEST QUALITY LOCK FORMING GALVANIZED SHEET METAL, GALVANIZING SHALL BE TO ASTM A525 (G90), HAVING A THICKNESS OF 0.054mm AND WEIGHING NOT LESS THAN 0.31kg/m² ON EACH SURFACE.
  4.1.3. PROVIDE INSTRUMENTATION TEST PORTS IN DUCTS FOR PILOT TUBE INSERTION WITH CAM-ACTION HANDLE, MOULDED NEOPRENE GASKET AND EXPANSION PLUG, ZINC COATED STEEL CONSTRUCTION.
 4.2. FLEXIBLE CONNECTIONS
  4.2.1. PROVIDE FLEXIBLE CONNECTIONS AT AIR HANDLING UNITS WITH UL APPROVED FABRIC OF 6" MINIMUM WIDTH AND WEIGHING NOT LESS THAN 0.8136kg/m².
 4.3. INSULATION
  4.3.1. PROVIDE 1" INTERNAL ACOUSTIC INSULATION ON:
   4.3.1.1. THE FIRST 5' OFF SUPPLY AND RETURN DUCTS OFF ALL AIR HANDLING UNITS.
  4.3.2. PROVIDE 1" EXTERNAL INSULATION ON:
   4.3.2.1. ALL INDOOR & OUTDOOR REFRIGERATION PIPING
   4.3.2.2. ALL SUPPLY AIR DUCTS WHICH ARE NOT LOCATED IN A RETURN AIR PLENUM.
   4.3.2.3. EXHAUST DUCTS THROUGH ATTICS AND 10' BACK FROM WALL
  4.3.3. PROVIDE 2" EXTERNAL INSULATION ON:
   4.3.3.1. ALL SUPPLY AND RETURN AIR DUCTS THROUGH ATTICS OR UN-INSULATED AREAS

5. CONTROL WIRING
 5.1. ALL CONTROL WIRING SHALL BE RUN PARALLEL TO BUILDING LINES AND TIGHT TO ROOF DECK OR WALLS.
 5.2. ALL CONCEALED INDOOR CONTROL WIRING SHALL BE RUN IN LVT.
 5.3. ALL EXPOSED INDOOR CONTROL WIRING IN UNFINISHED AREAS, T-BAR CEILING SPACES, ATTICS AND CRAWL SPACES SHALL BE RUN IN EMT CONDUIT WITH FINAL CONNECTION IN BX TO EQUIPMENT/COMPONENTS.
 5.4. ALL OUTDOOR CONTROL WIRING SHALL BE RUN IN LIQUIDTIGHT.
 5.5. FLEXIBLE CABLE MUST BE STRAPPED TO SUPPORT WITHIN 12" OF TERMINATION BOX OR EQUIPMENT.



1 / M2 DEMOLITION PLAN
SCALE: 1:50



2 / M2 PROPOSED PLAN
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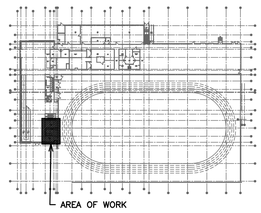


KEYPLAN
SCALE: N.T.S.

HVAC LEGEND

	SUPPLY, RETURN AIR DUCT UP (RECT)
	SUPPLY, RETURN AIR DUCT DOWN (RECT)
	SUPPLY, RETURN AIR DUCT UP (ROUND)
	SUPPLY, RETURN AIR DUCT DOWN (ROUND)
	SUPPLY, RETURN, EXHAUST AIR GRILLE
	SUPPLY LINEAR BAR GRILLE
	SIDE WALL GRILLE
QTY@ A / B / C	A- GRILLE/DIFFUSER TYPE B- DIFFUSER NECK SIZE/GRILLE SIZE C- AIR QUANTITY (CFM)
MAX. L/S / MIN. L/S | TYPE	EXISTING V.A.V. BOX, FAN POWERED BOX
LENGTH / KW | TYPE	EXISTING RADIATION OR CONVECTOR
	SENSOR AND ASSOCIATED CONTROL WIRING
HRV-1	EQUIPMENT/FIXTURE TAG
	BALANCE DAMPER
	DIRECTION OF AIR FLOW
	DOOR GRILLE
T	EXISTING THERMOSTAT

NOTE:
- TENDERING OF THESE DOCUMENTS IS DONE UNDER THE MUTUAL UNDERSTANDING THAT ALL CONTRACTORS ARE EXPERIENCED AND LICENSED IN THE WORKS BEING PROVIDED AND THAT ALL COMPONENTS OF A FULLY FUNCTIONING SYSTEM WILL BE INCLUDED WHETHER SHOWN OR NOT SHOWN BUT IMPLIED FOR A COMPLETE SYSTEM.
- ALL DETAILS SHOWN ARE SCHEMATIC BY NATURE AND ARE TO BE USED FOR SCOPE OF WORK PURPOSES ONLY. COORDINATE WITH ALL TRADES AND MANUFACTURERS BEST PRACTICES AND DIRECTIONS.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND EXISTING SERVICES AFFECTING THE PROPER EXECUTION OF THE WORK, AND OBTAIN A CLEAR AND COMPREHENSIVE KNOWLEDGE OF THE EXISTING CONDITIONS. NO CLAIM FOR EXTRA PAYMENT WILL BE ALLOWED FOR WORK OR DIFFICULTIES ENCOUNTERED DUE TO CONDITIONS OF THE SITE WHICH WERE VISIBLE OR REASONABLY INFERABLE, PRIOR TO THE DATE OF SUBMISSION OF BID. BIDDERS SHALL ACCEPT SOLE RESPONSIBILITY FOR ANY ERROR OR NEGLECT ON THEIR PART IN THIS RESPECT.
- COORDINATE ALL ADDITIONAL PROVISIONS INCLUDING, BUT NOT LIMITED TO; COMBUSTION AIR AND VENTILATION AIR WITH GENERAL CONTRACTOR DURING TENDER PERIOD.
- IF THE CEILING OR ROOF SPACE IS USED AS A PLENUM FOR SUPPLY OR RETURN, ALL COMBUSTIBLE MATERIALS WITHIN SUCH SPACE INCLUDING ANY PIPES, AND JACKETS ON ELECTRICAL WIRING MUST HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED CLASSIFICATION OF NOT MORE THAN 50.
- U.L.C LABELLED FIRE DAMPERS, SMOKE DAMPERS, SMOKE/FIRE COMBINATION DAMPERS OR FIRE FLAPS SHALL BE INSTALLED AT EVERY APPLICABLE LOCATION WHERE A DUCT PIERCES A FIRE SEPARATION, EXCEPT AS PERMITTED IN THE ONTARIO BUILDING CODE. REFER TO ARCHITECTURAL PLANS FOR FIRE SEPARATION REQUIREMENTS.

NO.	SUBMISSION	DATE
3	ISSUED FOR TENDER	JUL 2026
2	ISSUED FOR PERMIT	JUL 2026
1	ISSUED FOR COORDINATION	JUL 2026

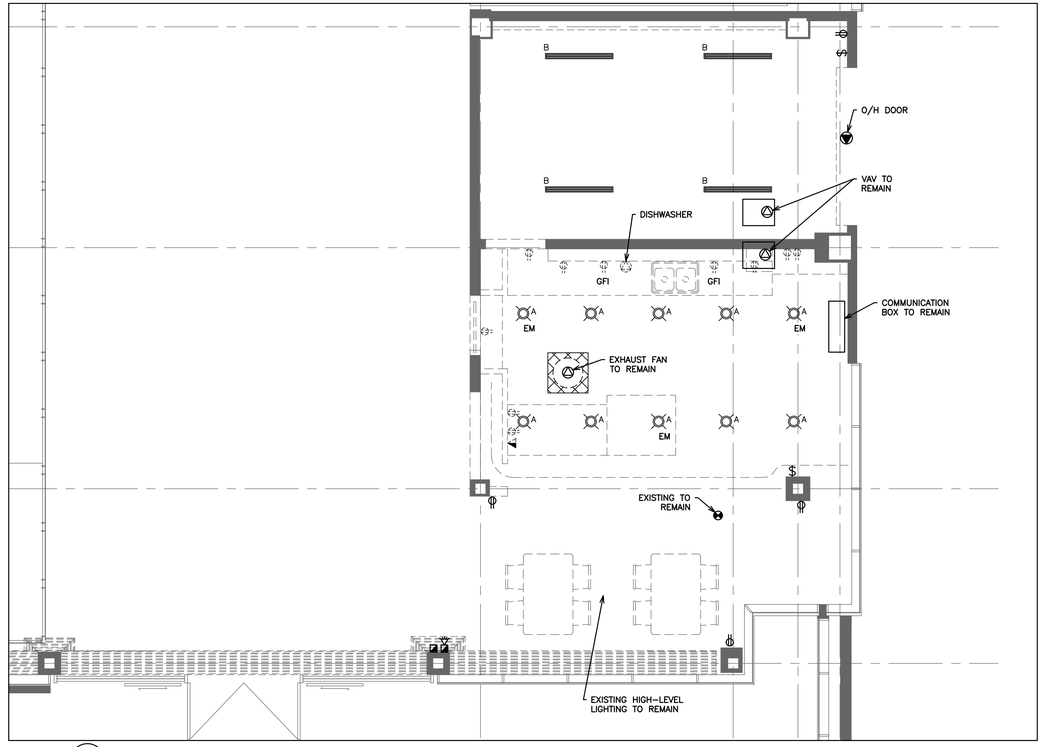
ABILITIES CENTRE CAFE
1 JIM FLAHERTY ST, WHITBY, ON

MECHANICAL HVAC LAYOUT

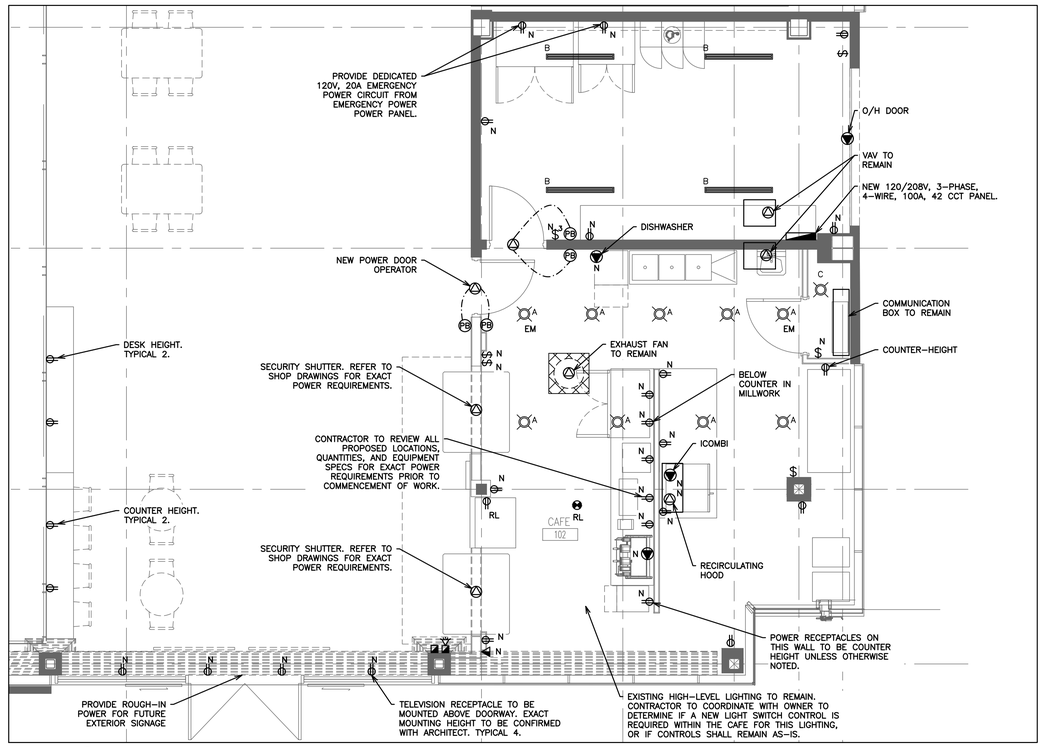
D.G. BIDDLE & ASSOCIATES
CONSULTING ENGINEERS & PLANNERS
481 Taunton Rd W, Oshawa ON
150 King St, Peterborough ON
Phone: 905-576-8500
info@dgbiddle.com
dgbiddle.com

SCALE:	1:50
DESIGNED BY:	B.C.A.
CHECKED BY:	G..V.W.O
PROJECT NO.:	126734
DRAWING NO.:	M2

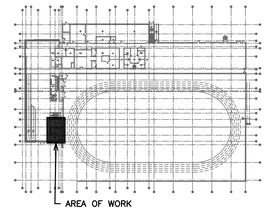
22/07/2026
K:\SAVE\JOB FILES\126000\126734 ABILITIES CENTRE, 1 JIM FLAHERTY ST, WHITBY - MAE UPGRADES\126734 DRAWINGS\126734 MECHANICAL\126734 M



1 E1 DEMOLITION PLAN
SCALE: 1:50



2 E1 PROPOSED PLAN
SCALE: 1:50



KEYPLAN
SCALE: N.T.S.

POWER LEGEND	
	RECEPTACLE
	VOICE, DATA COMBO
	120V POWER SUPPLY
	ELECTRICAL DISCONNECT
	208V POWER SUPPLY
	COMBINATION HORN/STROBE
	SMOKE ALARM
	HEAT DETECTOR
	FIRE ALARM PULL STATION
GFI	GFI RATED RECEPTACLE
N	NEW
RL	RELOCATE
FF-1	EQUIPMENT/FIXTURE TAG

LIGHTING LEGEND	
$ ^{3}	SINGLE POLE, SINGLE THROW TOGGLE SWITCH, ONE, TWO, OR THREE GANGED ('3' DENOTES 3-WAY)
^{A}	EXISTING RECESSED DOWNLIGHT, (2) 32W TTT 4-PIN CFL, 3500K, 82 CRI, 2400 LM. 347V ELECTRONIC BALLAST. PORTFOLIO # C72423E/7181LI2 TRIM
B	EXISTING INDUSTRIAL STRIP LUMINAIRE, (2) 32W T8, 3500K, 85 CRI, 2800 LM. ONE 2-LAMP 347V RAPID START ELECT. BALLAST (<10% THD). METALUX # SS-232-347V-ER8 W/ WIREGUARD
^{C}	NEW 4" RECESSED POT LIGHT
	SWITCHWIRING
EM	EMERGENCY POWER LIGHTING CIRCUIT

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ELECTRICAL LAYOUT

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GENERAL REQUIREMENTS FOR ELECTRICAL WORK

1. SCOPE OF WORK
 1.1. CONFORM TO ALL DRAWINGS RELATED TO THIS PROJECT.
 1.2. COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE O.B.C., ALL OTHER APPLICABLE CODES, REGULATIONS, BY-LAWS AND OFFICIAL STANDARDS ACCORDING TO THE REQUIREMENTS AND INTERPRETATIONS OF THE AUTHORITIES HAVING JURISDICTION. THESE CODES AND STANDARDS CONSTITUTE AN INTEGRAL PART OF THESE SPECIFICATIONS. IN CASE OF CONFLICT, THE CODES TAKE PRECEDENCE OVER THE CONTRACT DOCUMENTS.

2. EXAMINATION OF SITE AND INFORMATION
 2.1. EACH SUBCONTRACTOR, BEFORE TENDERING, SHALL EXAMINE THE SITE, THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND THEY SHALL FAMILIARIZE THEMSELVES WITH THE BUILDING CONSTRUCTION AND FINISH IN ORDER THAT THEIR TENDER MAY INCLUDE EVERYTHING NECESSARY FOR THE PROPER COMPLETION OF THE WORK.
 2.2. IT SHALL BE THIS SUBCONTRACTOR'S RESPONSIBILITY THAT MATERIAL AND EQUIPMENT BE BROUGHT INTO THE BUILDING IN SUCH ASSEMBLIES AND SIZES AS TO ENTER INTO THE SPACE WHERE THEY ARE TO BE LOCATED AND TO BE SMALL ENOUGH TO BE HOISTED INTO THE BUILDING WITHOUT DIFFICULTY. ANY CUTTING, PATCHING, ETC., INVOLVED IN GETTING LARGE ASSEMBLIES INTO PLACE, SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR.

3. RELATIONSHIP TO OTHER TRADES
 3.1. THIS SUBCONTRACTOR SHALL CONFER WITH ALL OTHER CONTRACTORS INSTALLING EQUIPMENT, PIPING, OTHER WORK, FOUNDATIONS, ETC., WHICH MAY AFFECT THEIR INSTALLATION, AND THEY SHALL ARRANGE THEIR EQUIPMENT, PIPING, ETC., IN PROPER RELATION WITH OTHER APPARATUS, AND WITH THE BUILDING CONSTRUCTION. THIS SUBCONTRACTOR SHALL ALSO CONFIRM THE ELECTRICAL CHARACTERISTICS OF THE PROJECT AND ORDER EQUIPMENT ACCORDINGLY.
 3.2. SPECIAL CARE SHALL BE TAKEN IN THE INSTALLATION OF ALL WORK, TO SEE THAT THEY ALL COME WITHIN THE LIMITS ESTABLISHED BY THE FINISH LINES OF ALL WALLS, FLOORS, CEILINGS, ETC.
 3.3. THIS SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR AND OTHER SUBCONTRACTORS WHO ARE CONCERNED, OF ALL OPENINGS, FOUNDATION WORK, HANGERS, INSERTS, ANCHORS, OR OTHER PROVISIONS NECESSARY IN THEIR WORK FOR THE INSTALLATION OF THE SUBCONTRACTORS WORK, AND THEY SHALL FURNISH ALL INFORMATION AND NECESSARY MATERIALS IN AMPLE TIME SO THAT PROPER PROVISIONS CAN BE MADE FOR SAME, AND SHALL SUPPLY AND CORRECTLY AND ACCURATELY PLACE ALL INSERTS, SLEEVES, ANCHORS, ETC.
 3.4. FAILURE TO COMPLY WITH THESE REQUIREMENTS ON THE PART OF THIS SUBCONTRACTOR WILL RENDER THEM RESPONSIBLE FOR THE COST OF CUTTING OPENINGS, INSTALLING HANGERS AND OTHER PROVISIONS AT A LATER DATE, AND THE SUBSEQUENT PATCHING, ETC., THEREBY REQUIRED.
 3.5. NO CUTTING SHALL BE DONE WITHOUT PERMISSION. ALL SUCH WORK SHALL BE DONE BY TRADES--PERSONS SKILLED IN AND CERTIFIED FOR THIS PARTICULAR TRADE.
 3.6. EACH SUBCONTRACTOR IS TO BE AN EXPERT IN THEIR TRADE.

4. SHOP DRAWINGS
 4.1. EACH SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW OF MATERIAL, EQUIPMENT, AND APPARATUS BEING PROVIDED BY THEM. THESE SHALL SHOW IN DETAIL THE DESIGN AND CONSTRUCTION AND PERFORMANCE OF ALL APPARATUS, ETC.
 4.2. THE ENGINEER'S REVIEW OF SHOP DRAWINGS AND MANUFACTURER'S SPECIFICATIONS OF ANY EQUIPMENT IS GENERAL AND IS NOT INTENDED TO SERVE AS A FINAL CHECK AND IT SHALL NOT RELIEVE THE SUBCONTRACTOR OF THE RESPONSIBILITY FOR ERRORS OR OF THE NECESSITY OF CHECKING THE DRAWINGS THEMSELVES, OR OF FURNISHING ANY OF THE MATERIALS AND PERFORMING THE WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS TO THE FULL INTENT OF THIS SPECIFICATION.
 4.3. BEFORE SUBMISSION, THIS SUBCONTRACTOR SHALL CHECK ALL SHOP DRAWINGS FOR ACCURACY OF DETAILS, DIMENSIONS, ETC. AND SHALL BE SATISFIED THAT THE DRAWINGS ARE CORRECT AND THAT THE EQUIPMENT WILL FIT PROPERLY IN THE ALLOTTED SPACE. THE SHOP DRAWINGS SHALL BE STAMPED BY THIS SUBCONTRACTOR WITH THE WORD 'REVIEWED', THE DATE OF APPROVAL, AND THE FIRM'S NAME PRIOR TO SUBMISSION.

5. REQUIREMENTS OF INSPECTION DEPARTMENTS
 5.1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION IN EACH CASE, PARTICULARLY ALL AFFECTED DEPARTMENTS OF THE MUNICIPALITY AND PROVINCE. ELECTRICAL EQUIPMENT SUPPLIED MUST CONFORM TO THE REGULATIONS OF CSA AND THE LOCAL UTILITY. ANYTHING NECESSARY TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS SHALL BE PROVIDED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNERS IF IT REASONABLY COULD HAVE BEEN FORESEEN WHEN TENDERING.
 5.2. EACH SUBCONTRACTOR SHALL PREPARE DRAWINGS IN ADDITION TO ENGINEER'S DRAWINGS AS MAY BE REQUIRED BY VARIOUS INSPECTION DEPARTMENTS HAVING JURISDICTION, AND OBTAIN THEIR APPROVAL BEFORE PROCEEDING WITH THE WORK.
 5.3. IN THE EVENT THAT THE INSPECTION DEPARTMENT'S REQUEST DEVIATES FROM THE ENGINEER'S LAYOUT, THE SUBCONTRACTOR SHALL CONSULT ENGINEER BEFORE PROCEEDING WITH THE SAME. IT SHALL BE NOTED THAT ENGINEER'S DRAWINGS ARE GENERALLY ACCEPTABLE TO INSPECTION DEPARTMENTS AND MINOR SUPPLEMENTS NEED ONLY BE MADE BY SUBCONTRACTORS.

6. CERTIFICATES, PERMITS, FEES
 6.1. SUBCONTRACTORS SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES INCLUDING PAYMENT FOR STREET CONNECTIONS TO STORM, SANITARY, WATER AND GAS IN ORDER THAT THE WORK HEREIN SPECIFIED MAY BE CARRIED OUT AND THEY SHALL FURNISH ANY CERTIFICATES NEEDED AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF THE MUNICIPALITY AND PROVINCE.

7. GUARANTEE
 7.1. THIS SUBCONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP USED IN THE WORK TO BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS, OF BEST QUALITY AND TYPE OBTAINABLE TO GIVE FIRST-CLASS CONSTRUCTION AND PROPER EFFICIENT OPERATION, AND FREE FROM ANY DEFECTS. ANY SUCH DEFECTS WHICH MAY APPEAR IN ANY OF THE WORK WITHIN ONE YEAR AFTER WRITTEN ACCEPTANCE OF THEIR WORK, SHALL BE REPAIRED AND REPLACED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WHERE SUCH DEFECTS OCCUR, THIS SUBCONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED IN MAKING THE DEFECTIVE WORK GOOD. THIS SHALL NOT OBSOLETE ANY LONGER WARRANTIES ON SPECIFIC ITEMS OF EQUIPMENT.
 7.2. ALL INJURIES TO ADJACENT WORK, PARTICULARLY PLASTER, WOOD FINISHES OR OTHER MATERIALS, OR DAMAGE TO OTHER EQUIPMENT, CAUSED BY SUCH DEFECTS OF THIS SUBCONTRACTOR'S WORK OR BY SUBSEQUENT REPLACEMENT AND REPAIR, SHALL BE MADE GOOD AT THE EXPENSE OF THIS SUBCONTRACTOR. ALL REPAIR WORK SHALL BE DONE BY TRADES RESPONSIBLE FOR THE ORIGINAL WORK.

8. DRAWINGS
 8.1. THE DRAWINGS SHOW THE APPROXIMATE LOCATION FOR SPECIAL APPARATUS AND THE MATERIALS THROUGHOUT THE BUILDING. THE ARRANGEMENT SHOWN ON THE DRAWING IS MORE OR LESS DIAGRAMMATIC AND AS SUCH APPROXIMATE ONLY, AND MAY BE ALTERED, AS APPROVED BY THE ENGINEER, TO MEET REQUIREMENTS OF THE APPARATUS, ETC., AND OF THE BUILDING. EACH SUBCONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL MEASUREMENTS FOR THEIR WORK THROUGHOUT, AND THEY SHALL ARRANGE THEIR PIPING, WIRING AND APPARATUS TO CONFORM TO THE ARCHITECTURAL AND STRUCTURAL DETAILS IN A SATISFACTORY MANNER AND SHALL CO-OPERATE WITH OTHER CONTRACTORS TO ENSURE THAT WORK SHALL MEET ALL REQUIREMENTS OF DIVERSE CONTRACTS.
 8.2. THE SUBCONTRACTOR IS PARTICULARLY CAUTIONED THAT SMALL SCALE ENGINEER'S PLANS MUST BE SUPPLEMENTED BY THEIR OWN DETAIL DRAWINGS WHERE NECESSARY FOR PROPER CO-ORDINATION OF THE WORK.
 8.3. ITEMS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED OR SPECIFIED BUT NOT SHOWN SHALL BE INCLUDED.
 8.4. ITEMS OBVIOUSLY REQUIRED TO PROVIDE A COMPLETE WORKING SYSTEM BUT NOT SPECIFIED NOR SHOWN SHALL BE INCLUDED.

9. RESPONSIBILITY AND LIABILITY
 9.1. EACH SUBCONTRACTOR SHALL SUPERVISE THE LAYING OUT OF THEIR WORK AND SHALL ARRANGE IT IN CO-OPERATION WITH OTHER WHO MAY BE WORKING ON THE PREMISES WHILE THE WORK OF THIS CONTRACT IS IN PROGRESS. THEY SHALL PROTECT FINISHED AND UNFINISHED WORK OF THIS CONTRACT AND/OR WORK OF OTHERS ON THE PREMISES UNTIL THE COMPLETED WORK HAS BEEN ACCEPTED.
 9.2. THE SUBCONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES FOUND IN THE DRAWINGS OR SPECIFICATIONS BEFORE SUBMITTING THEIR TENDER. THEY SHALL ABIDE BY DECISIONS GIVEN TO THEM IN WRITING WITH REGARD TO SAME. EACH SUBCONTRACTOR IS CAUTIONED THAT THE WORK AS SHOWN IS INTENDED TO BE COMPLETE IN ALL RESPECTS AND THAT FAILURE ON THEIR PART TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES SHALL NOT RELIEVE THEM OF THE RESPONSIBILITY OF COMPLETING THE WORK AS INTENDED AT THE CONTRACT PRICE.

10. CLEAN-UP
 10.1. DURING THE COURSE OF CONSTRUCTION, EACH SUBCONTRACTOR SHALL KEEP THEIR WORK TIDY AND NOT ALLOW AN ACCUMULATION OF DEBRIS RESULTING FROM THEIR WORK.
 10.2. UPON COMPLETION OF THEIR WORK THEY SHALL LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION.

11. PROTECTION
 11.1. SUBCONTRACTORS ARE TO PROTECT THEIR WORK FROM CONSTRUCTION DIRT OR DAMAGE FROM ANY CAUSE. SECURELY PLUG AND CAP ALL OPENINGS IN PIPE, EQUIPMENT AND FIXTURES TO PREVENT OBSTRUCTIONS.

12. ELECTRICAL WIRING AND CONTROLS
 12.1. ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE DONE BY THE ELECTRICAL DIVISION. THE MECHANICAL TRADE INVOLVED SHALL PROVIDE STARTERS, THERMOSTATS, VALVES, CONTROL TRANSFORMERS, RELAYS, ETC. ALL CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR, UNLESS OTHERWISE NOTED ELSEWHERE IN THIS SPECIFICATION.

GENERAL ELECTRICAL NOTES

1. GENERAL:
 1.1. ARRANGE FOR ESA INSTALLATION PERMIT AND INSPECTION AND FORWARD A COPY OF THE ESA CERTIFICATE TO THE ENGINEER UPON ACCEPTANCE.
 1.2. ENSURE THAT ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHER TRADES IS SUITABLE FOR THE RESPECTIVE VOLTAGE. CONFIRM POWER REQUIREMENTS OF ALL OWNER SUPPLIED EQUIPMENT.
 1.3. ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT Y THIS DIVISION. NO CHASING BLOCKWORK WILL BE ALLOWED. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.
 1.4. SUBMIT 4 COPIES OF SHOP DRAWINGS FOR REVIEW AND RECORDS.
 1.5. ALL MATERIALS USED THROUGHOUT SHALL BE NEW, OF BEST QUALITY C.S.A. APPROVED AND OF ONE MANUFACTURE. WHEREVER TRADE NAMES ARE NOT USED TO DESCRIBE MATERIALS, THESE MATERIALS SHALL BE OF BEST AVAILABLE QUALITY AND MANUFACTURE. OBTAIN AND PAY FOR SPECIAL HYDRO INSPECTION OF SPECIFIED NON-C.S.A. ELECTRICAL EQUIPMENT.
 1.6. PROVIDE ALL CONDUIT, WIRING, BOXES, SWITCHES, OUTLETS, DEVICES, ETC., AS REQUIRED. MAKE FINAL CONNECTIONS TO VIBRATING EQUIPMENT WITH FLEXIBLE CONDUIT.
 1.7. PROVIDE ALL HANGERS, INSERTS AND SUPPORTS OF APPROVED TYPES REQUIRED FOR THE WORK OF THIS DIVISION. PROVIDE CONDUIT FOR ALL SERVICES PENETRATING THE FLOOR SLAB. SEAL ALL PENETRATIONS THROUGH FLOOR SLABS WITH AN APPROVED NON-SHRINK, WATERPROOF AND FIREPROOF SEALANT APPROVED BY ARCHITECT. NO CONDUITS OR EQUIPMENT SHALL BE MOUNTED DIRECTLY FROM ROOF DECK. PROVIDE ALL NECESSARY UNISTRUT OR OTHER MOUNTING DETAILS TO ENABLE SUPPORT FROM TOP CHORD OF JOISTS.
 1.8. ALL CONDUIT SHALL BE RIGID STEEL THICK WALLED OR EMT THINWALL WITH STEEL SET SCREW COUPLINGS AND CONNECTORS WITH INSULATED THROATS UNLESS OTHERWISE NOTED. EXPOSED CONDUITS AND WIREMOLD CHANNELS SHELL BE NEAT IN APPEARANCE, RUN PARALLEL TO BUILDING LINES AND CONCENTRIC RIGHT ANGLE BENDS ONLY SHALL BE USED.
 1.9. ALL EMPTY CONDUITS SHALL BE COMPLETE WITH NYLON FISH WIRE.
 1.10. ALL WIRING SHALL BE MINIMUM #12 GAUGE COPPER, EXCEPT AS OTHERWISE NOTED. ALL WIRING SHALL BE 600 VOLT TYPE RW90. BX CABLE MAY BE USED WHERE PERMITTED BY CODE IN CEILING SPACE FOR FINAL CONNECTION TO LIGHT FIXTURE AND FROM CEILING DISTRIBUTION BOXES DOWN PARTITIONS TO RECEPTACLES ONLY. MINIMUM SIZE WIRING FOR DC WIRING SHALL BE #10 GAUGE. MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 2 PERCENT.
 1.11. PROVIDE GROUND WIRES WITH ALL FEEDERS AND CIRCUITS IN ACCORDANCE WITH APPLICABLE CODES AND HYDRO REQUIREMENTS. PROVIDE MAIN GROUND TO HYDRO APPROVAL.
 1.12. CO-ORDINATE WITH OTHER TRADES IN LAYING OUT OF THE WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER TRADES. CARRY OUT WORK PROMPTLY WHICH MAY INTERFERE WITH THE WORK SCHEDULE OF OTHER TRADES.
 1.13. MECHANICAL TRADES WIRING: PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN. ALL MOTORS, STARTERS AND CONTROL WIRING PROVIDED UNDER DIVISION 15. INSTALL ALL STARTERS AND WIRE COMPLETE.
 1.14. CLEARLY MARK ALL EXPOSED CONDUIT, PULL BOXES, JUNCTION BOXES, ETC., TO INDICATE THE NATURE OF THE SERVICE.
 1.15. INSTALL ALL LIGHTING AND POWER CIRCUITS TO MEET CODES.
 1.16. PROVIDE LAMACOID NAMEPLATES AND TYPEWRITTEN DIRECTORIES FOR ALL PANELS.
 1.17. CLEAN AND TEST ALL EQUIPMENT BEFORE FINAL ACCEPTANCE IS GIVEN FOR THE WORK.
 1.18. AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY DEFECTS DUE TO WORKMANSHIP OR MATERIALS WHICH IN THE OWNER'S OPINION, ARE NOT DUE TO MISUSE OR NEGLECT.

2. MATERIALS
 2.1. COVER PLATES:
  2.1.1. COVER PLATES FOR RECEPTACLES, SWITCHES, PILOT LIGHTS, TELEPHONE OUTLETS AND OTHER DEVICES REQUIRING COVER PLATES FOR FLUSH MOUNTED BOXES SHALL BE METAL, STAINLESS STEEL #18-8,TYPE 302, UNLESS OTHERWISE NOTED.
  2.1.2. WEATHERPROOF COVER PLATES SHALL BE DIECAST CORROSION RESISTANT ALUMINUM TYPE WITH TWO SEPARATE LIDS FOR DUPLEX RECEPTACLES SUITABLE FOR MOUNTING ON F.S. TYPE BOXES. ALL WEATHERPROOF COVER PLATES SHALL HAVE RUBBER OR NEOPRENE GASKETS.
  2.1.3. PLATES FOR SURFACE MOUNTED CAST BOXES SHALL BE GALVANIZED FORMED STEEL TYPE. COVER PLATES FOR FLUSH MOUNTED EQUIPMENT SHALL BE SUPPLIED OF QUALITY AND PERFORMANCE SPECIFIED BY THE MANUFACTURER OF THE EQUIPMENT.
  2.1.4. COVER PLATES SHALL NOT CARRY MANUFACTURER'S NAME.
  2.1.5. COVER PLATES OF QUALITY SPECIFIED SHALL BE PASS & SEYMOUR, BRYANT LEVITON, SMITH & STONE OR HARVEY HUBBELL.
 2.2. LIGHT SWITCHES:
  2.2.1. SWITCHES SHALL BE, UNLESS OTHERWISE INDICATED, BRYANT QUIET TYPE WITH WHITE SPECIFICATION GRADE FOR 120V AND HEAVY DUTY GRADE FOR 347V. LIGHT SWITCHES OF QUALITY AS MANUFACTURED BY BRYANT, P & S, ARROW HART, LEVITON AND HUBBELL SHALL BE CONSIDERED AS ACCEPTABLE AS SPECIFIED ALTERNATES.
 2.3. RECEPTACLES:
  2.3.1. RECEPTACLES SHALL BE, UNLESS OTHERWISE INDICATED, U GROUND TYPE, WHITE SCREW TERMINAL TYPE.
  2.3.2. RECEPTACLES SHALL BE SPECIFICATION GRADE.
  2.3.3. CONFIRM ALL LOCATIONS AND OUTLETS PRIOR TO INSTALLATION. ALLOW TO RELOCATE ANY OUTLET WITHIN 10'-0" OF SPECIFIED LOCATION, PRIOR TO INSTALLATION.
  2.3.4. PROVIDE ALL CONCRETE WORK REQUIRED FOR ELECTRICAL WORK IN ACCORDANCE WITH ARCHITECTURAL DIVISION OF SPECIFICATION.
 2.4. DISCONNECTS:
  2.4.1. DISCONNECT SWITCHES FOR HVAC EQUIPMENT MUST BE INSTALLED WITHIN 10'.
  2.4.2. MOTORS OTHER THAN AIR CONDITIONERS MUST HAVE DISCONNECT WITHIN SIGHT AND 30' OF THE MOTOR AND/OR STARTER.
 2.5. CONDUITS:
  2.5.1. EMT (ELECTRICAL METALLIC TUBING) MUST BE USED IN THE FOLLOWING INDOOR APPLICATIONS:
   2.5.1.1. ALL EXPOSED AREAS (USE WIREMOLD ON EXPOSED WALLS IN FINISHED AREAS WHERE EXPOSED WIRING HAS BEEN APPROVED).
   2.5.1.2. T-BAR CEILING SPACES
   2.5.1.3. ATTIC SPACES
   2.5.1.4. CRAWL SPACES
  2.5.2. LIQUIDTIGHT MUST BE USED IN THE FOLLOWING INDOOR AND OUTDOOR APPLICATIONS:
   2.5.2.1. LAST 5' FOR FINAL CONNECTION TO INDOOR MECHANICAL EQUIPMENT
   2.5.2.2. ALL OUTDOOR WIRING
  2.5.3. FLEXIBLE CABLE IS ONLY ACCEPTABLE IN THE FOLLOWING INDOOR APPLICATIONS:
   2.5.3.1. LAST 5' FOR FINAL CONNECTION TO LIGHTING AND SMALL EQUIPMENT/COMPONENTS IN CEILING SPACES
   2.5.3.2. CONCEALED IN DRYWALL WALLS AND DRYWALL CEILINGS
   2.5.3.3. THROUGH HOLES IN CONCRETE, BRICKS OR STEEL STUDS PROVIDED IT IS NOT SUBJECT TO MECHANICAL DAMAGE.
  2.5.4. ROMEX IS AN ACCEPTABLE ALTERNATE FOR ALL INDOOR WIRING IN WOOD CONSTRUCTION BUILDINGS.
  2.5.5. WHERE CEILING SPACE IS USED AS A RETURN AIR PLENUM, ALL WIRING SHALL CONFORM TO CODES FOR THIS APPLICATION.

ELECTRICAL POWER & LIGHTING NOTES:

1. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR ALL DOOR POWER REQUIREMENTS. PROVIDE ANY POWER REQUIRED AND BREAKERS TO NEAREST AVAILABLE PANEL. REFER TO PANEL SCHEDULE AND ADD IN AS APPROPRIATE.
2. LIGHTING SHOWN IS FOR SCHEMATIC AND SCOPE OF WORK PURPOSES ONLY. CONTRACTOR TO COORDINATE MOUNTING ON SITE.
3. ALL SWITCHES AND CONTROLS WITH BARRIER-FREE AREAS TO BE MOUNTED AS PER O.B.C. 3.8.1.5.(1)(C). ALL SWITCHES IN BARRIER FREE AREA SHALL BE MOUNTED NO LESS THAT 900MM AND NOT MORE THAN 1100MM ABOVE FINISHED FLOOR. SWITCHES FOR ALL OTHER AREAS SHALL BE MOUNTED AT 1100MM ABOVE FINISHED FLOOR.
4. ALL RECEPTACLES SHALL BE MOUNTED AT 450MM ABOVE FINISHED FLOOR TO THE TOP OF THE FACEPLATE.
5. PANEL SCHEDULES AND CIRCUITING BY MASTER ELECTRICIAN UNDER THEIR ESA PERMIT. THIS SCOPE TO BE CARRIED IN TENDER PRICE.
6. CABLE, VOICE AND DATA OUTLETS ARE SHOWN FOR SCOPE OF WORK PURPOSES ONLY. CONTRACTOR TO COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ORDERING AND INSTALLATION OF EQUIPMENT.
7. ELECTRICAL CONTRACTOR TO VERIFY POWER REQUIREMENTS PRIOR TO ORDERING EQUIPMENT.
8. CONTRACTOR TO COORDINATE ANY ADDITIONAL LIGHTING, RECEPTACLE AND COMMUNICATION OUTLET REQUIREMENTS WITH CLIENT PRIOR TO COMMENCEMENT OF WORK.
9. CONTRACTOR TO PROVIDE ALL DISCONNECTS, STARTERS, AND ANY OTHER DEVICES NECESSARY FOR COMPLETE AND WORKING SYSTEM. NOT ALL MOTOR DISCONNECTS ARE SHOWN.
10. PROVIDE ENOUGH RELAYS FOR ALL EXPECTED DEVICES PLUS THREE (3) ADDITIONAL RELAYS.
11. CONTRACTOR TO CONFIRM ALL DEVICE QUANTITIES PRIOR TO ORDERING.
12. ELECTRICAL SCOPE OF WORK: THE CONTRACTOR IS ASSUMED TO BE OF MASTER ELECTRICIAN EXPERIENCE AND SHALL PROVIDE ANY APPLICABLE SINGLE LINE DIAGRAMS, PANEL SCHEDULES AND CIRCUIT PLAN DESIGNS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. THIS PRICE SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE. NO CLAIM FOR EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO INCLUDE THIS COST INTO THE BASE BID. BIDDERS SHALL ACCEPT SOLE RESPONSIBILITY FOR ANY ERROR OR NEGLECT IN PRICING THE ABOVE ITEMS IN THERE BID.
13. ALL DETAILS SHOWN ARE SCHEMATIC BY NATURE AND ARE TO BE USED FOR SCOPE OF WORK PURPOSES ONLY. COORDINATE WITH ALL TRADES AND MANUFACTURERS BEST PRACTICES AND DIRECTIONS.
14. TENDERING OF THESE DOCUMENTS IS DONE UNDER THE MUTUAL UNDERSTANDING THAT ALL CONTRACTORS ARE EXPERIENCED AND LICENSED IN THE WORKS BEING PROVIDED AND THAT ALL COMPONENTS OF A FULLY FUNCTIONING SYSTEM WILL BE INCLUDED WHETHER SHOWN OR NOT SHOWN BUT IMPLIED FOR A COMPLETE SYSTEM.
15. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND EXISTING BUILDING AND SERVICES AFFECTING THE PROPER EXECUTION OF THE WORK, AND OBTAIN FOR EXTRA PAYMENT WILL BE ALLOWED FOR WORK OF DIFFICULTIES ENCOUNTERED INFERABLE, PRIOR TO THE DATE OF SUBMISSION OF BID. BIDDERS SHALL ACCEPT SOLE RESPONSIBILITY FOR ANY ERROR OR NEGLECT ON THEIR PART IN THIS RESPECT. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON INFORMATION OR ASSUMPTIONS PROVIDED AT TIME OF DESIGN, PRIOR TO CONSTRUCTION ALL ELEMENTS ARE TO BE CONFIRMED WITH ENGINEER FOR APPROVAL.
16. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON INFORMATION OR ASSUMPTIONS PROVIDED AT TIME OF DESIGN. PRIOR TO CONSTRUCTION ALL ELEMENTS ARE TO BE CONFIRMED WITH ENGINEER FOR APPROVAL.
17. FINAL COORDINATION OF EQUIPMENT, DISCONNECTS, STARTERS, PANELS, AND ASSOCIATED SPLITTERS IS THE RESPONSIBILITY OF THE MASTER ELECTRICIAN AND THE INSTALLER.
18. ALL ITEMS ASSOCIATED WITH AN ESA SUBMISSION BY MASTER ELECTRICIAN.

NO.	SUBMISSION	DATE
3	ISSUED FOR TENDER	JUL 2026
2	ISSUED FOR PERMIT	JUL 2026
1	ISSUED FOR COORDINATION	JUL 2026

ABILITIES CENTRE CAFE
1 JIM FLAHERTY ST, WHITBY, ON

ELECTRICAL NOTES

D.G. BIDDLE & ASSOCIATES
CONSULTING ENGINEERS & PLANNERS
481 Taunton Rd W, Oshawa ON
150 King St, Peterborough ON
Phone: 905-576-8500
info@dgbiddle.com
dgbiddle.com

SCALE:	1:50
DESIGNED BY:	B.C.A.
CHECKED BY:	G..V.W.O
PROJECT NO.:	126734
DRAWING NO.:	E2