SINGLE SITE REDEVELOPMENT
INTERIOR & ENVELOPE UPGRADES

CHILDREN'S AID SOCIETY OF NIPISSING AND PARRY SOUND
140 ELMWOOD AVENUE, NORTH BAY, ONTARIO

ISSUED FOR PERMIT AND TENDER

DRAWING INDEX

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 4S5
tel: 705-472-0988 fax: 705-472-2486
www.bertrandwheeler.ca

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project:
SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSONG & PARRY SOUND
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: COVER SHEET

revision date:
ISSUED FOR PERMIT AND TENDER

project number: 2063A

dwg no: A0.0

RText (RText)

Name of Practice:
Bertrand Wheeler Architecture Inc.
528 Cassells Street
North Bay, ON P1B 3Z7

Name of Project:
Single Site Redevelopment
Children's Aid Society of Nipissing and Parry Sound
Arch. Project No. 2063A

Location:
140 Elmwood Avenue, North Bay, ON

Date:
April 19, 2023

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

			Building Code Reference [1]
11.00	Building Code Version:	O. Reg. 332/12 Last Amendment O. Reg. 191/14	
11.01	Project Type:	☐ Addition ☒ Renovation ☐ Addition and renovation ☒ Change of use Description: Renovation within former elementary school for redevelopment into new personal service spaces.	[A] 1.1.2.
11.02	Major Occupancy Classification(s):	Current Occupancy: Group A2 Service use — Current Use: School Assembly with some accessory Personal New Occupancy: Group D — New Use: Business and Personal Services (Offices) Group A2 — (accessory use only – no longer a major occupancy)	3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	☒ No ☐ Yes	3.2.2.7.
11.04	Building Area (m²) *Insert additional lines as needed*	Description: Main Floor — Existing: 12300 — New: 0 — Total: 12300	[A] 1.4.1.2.
11.05	Building Height	1 Storeys above grade +/- 6 (m) Above grade 0 Storeys below grade	[A] 1.4.1.2. & 3.2.1.1.
11.06	Number of Streets/ Firefighter access	2 street(s)	3.2.2.10. & 3.2.5.
11.07	Building Size	☐ Small ☒ Medium (Office) ☒ Large (School) ☐ > Large	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: n/a Hazard Index: n/a Importance Category: ☐ Low ☐ High ☒ Normal ☐ Post-disaster	11.2.1.1. T.11.2.1.1A T.11.2.1.1B to N 4.2.1.(9), 5.2.2.1.(2)
11.09	Renovation type:	☐ Basic Renovation ☒ Extensive Renovation	11.3.3.1. 11.3.3.2.
11.10	Occupant Load	*No change*	3.1.17.
11.11	Plumbing Fixture Requirements	*No change*	3.7.4.
11.12	Barrier-free Design:	☒ Yes ☐ No — Explanation: existing conditions; barrier-free design to be enhanced	11.3.3.2.(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-systems: ☒ No ☐ Yes Extension 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:	☒ No ☐ Yes **No Reduction in Performance Level** Structural: ☒ No ☐ Yes (Describe) Increase in occupant load: ☒ No ☐ Yes (Describe) Change of major occupancy: ☒ No ☐ Yes (Describe) Plumbing: ☒ No ☐ Yes (Describe) Sewage systems: ☒ No ☐ Yes (Describe) Extension of combustible construction: ☒ No ☐ Yes (Describe)	11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.15	Compliance Alternatives Proposed:	☒ No ☐ Yes	11.5.1.
11.16	Notes:	*Building will be used primarily for community spaces with some business and personal services serving the agency.* *1 hour fire rating between Group A2 and D Occupancies not considered as the occupancies are a single tenancy operating under a single agency.* *Classrooms are not deemed to be a Major Occupancy, but rather an accessory occupancy.*	11.5.1.

1 *All references are to Division B of the OBC unless preceded by [A] for Division A and [C] for Division C.*

1 / A0.1 O.B.C. MATRIX
SCALE

PARTITION TYPE SCHEDULE:

NOTE: GRAPHIC SECTIONS INDICATED BELOW ARE IN PLAN.

F1 — TYPICAL INTERIOR FURRING
- 16mm GWB
- 92mm (3-5/8") METAL STUDS @ 610mm (24") O.C.

P1 — TYPICAL INTERIOR PARTITION
- 13mm GWB FINISH EACH SIDE
- 92mm (3-5/8") METAL STUDS @ 610mm (24") O.C.
- FILL COMPLETELY WITH SOUND ISOLATION BATT.

NOTE: PARTITION TO RUN FROM FLOOR TO U/S OF FLOOR/ROOF STRUCTURE/DECK ABOVE.

P2 — TYPICAL 152MM INTERIOR PARTITION
- 13mm GWB FINISH EACH SIDE
- 152mm (6") METAL STUDS @ 406mm (16") O.C.
- FILL COMPLETELY WITH SOUND ISOLATION BATT.

NOTE: PARTITION TO RUN FROM FLOOR TO U/S OF FLOOR/ROOF STRUCTURE/DECK ABOVE.

P3 — TYPICAL FIRE-RATED INTERIOR PARTITION
1 HOUR FIRE RATING AS PER ULC-W455 (OBC 9TA)
50 STC RATING
- 16mm GWB TYPE X FINISH EACH SIDE
- 92mm (3-5/8") METAL STUDS @ 610mm (24") O.C.
- FILL COMPLETELY WITH SOUND ISOLATION BATT. SEAL AT TOP AND BOTTOM JOINTS.

NOTE: PARTITION TO RUN FROM FLOOR TO U/S OF FLOOR/ROOF STRUCTURE/DECK ABOVE.

P4 — INTERIOR FIRE-RATED NON-LOADBEARING PARTITION
1 HOUR FIRE RATING AS PER ULC-W455 (OBC 9TA)
50 STC RATING
- 16mm GWB TYPE X FINISH EACH SIDE
- 152mm (6") METAL STUDS @ 406mm (16") O.C.
- FILL COMPLETELY WITH SOUND ISOLATION BATT OR APPROVED EQUAL. SEAL AT TOP AND BOTTOM JOINTS.
- NOTE: PARTITION TO RUN FROM FLOOR TO U/S OF FLOOR/ROOF STRUCTURE/DECK ABOVE.

W1 — TYPICAL EXTERIOR WALL (G1)
- EXISTING WALL CONSTRUCTION
- 50mm CHANNELS @ 406mm (16") O.C.
- 50mm ACM PANEL SYSTEM

W2 — TYPICAL EXTERIOR WALL (G2)
- EXISTING WALL CONSTRUCTION
- 19mm CHANNELS @ 406mm (16") O.C.
- 50mm ACM PANEL SYSTEM

W3 — TYPICAL EXTERIOR WALL (G3)
- EXISTING WALL CONSTRUCTION
- 38mm CHANNELS @ 406mm (16") O.C.
- 19mm HORIZONTAL ALUMINUM CLADDING SYSTEM

W4 — TYPICAL EXTERIOR WALL (G5)
- EXISTING WALL CONSTRUCTION
- 19mm CHANNELS @ 406mm (16") O.C.
- 16mm LAMINATED EXTERIOR PANEL

GENERAL NOTES:

1. DO NOT SCALE FROM THE DRAWINGS.
2. READ ALL DRAWINGS IN CONJUNCTION WITH ALL SPECIFICATIONS, DRAWINGS AND DOCUMENTS FROM ALL CONSULTANTS. PROMPTLY NOTIFY THE CONSULTANT OF ANY CONCERNS OR QUESTIONS REGARDING CONFLICTS.
3. PROMPTLY REPORT ALL DRAWING DISCREPANCIES TO THE CONSULTANT.

4. ARCHITECTURAL CONTACT INFO:
MARCUS WHEELER
BERTRAND WHEELER ARCHITECTURE INC.
705-472-0988
MARCUS@BERTRANDWHEELER.CA

SCOPE OF WORK:

THE FOLLOWING IS A BRIEF SUMMARY FOR OVERALL DESCRIPTIONS ONLY. REFER TO DOCUMENTS FOR FULL SCOPE.

1. PERFORM SELECTIVE DEMOLITION OF INTERIORS AND BUILDING EXTERIOR.
2. RECLAD EXTERIOR AND REPLACE DOORS, WINDOWS AS INDICATED.
3. RENOVATE INTERIORS TO SUIT NEW KITCHEN, AND YOUTH COMMUNITY SPACES.
4. PROVIDE GYM FLOORING REPLACEMENT (SEE PRICING INFORMATION IN PRICING FORM).

OCCUPANCY & ADJACENT PROJECTS DURING CONSTRUCTION:

1. PORTIONS OF THE BUILDING ARE INTENDED TO REMAIN OCCUPIED DURING CONSTRUCTION. THE LOCALIZED AREA WILL BE EVACUATED DURING THE CONSTRUCTION AND DEMOLITION ACTIVITY. COORDINATE WORK TO AVOID SERVICE DISRUPTIONS TO OCCUPANTS. ENSURE SAFETY AND SAFE EGRESS FOR OCCUPANTS AT ALL TIMES.

BUILDING CODE NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE ONTARIO BUILDING CODE / REGULATIONS AND LOCAL AUTHORITIES. OBTAIN THE BUILDING AND OCCUPANCY PERMITS AND ARRANGE ALL INSPECTIONS.
2. THE BUILDER SHALL APPLY, ARRANGE AND PAY FOR THE BUILDING PERMIT.
3. EXISTING BUILDING AREA TO REMAIN = 1920 m2
4. ALL PENETRATIONS THRU REQUIRED FIRE SEPARATIONS SHALL BE FIRE STOPPED AND OR FIRE CAULKED AS REQUIRED BY CODE TO MAINTAIN THE FIRE SEPARATIONS AS INDICATED ON DRAWINGS.

ENGINEERING, SURVEYS, DSS & GEOTECHNICAL INFO:

1. SUPPLY AND COORDINATE STRUCTURAL ENGINEERING FOR ALL MAJOR DEMOLITION ACTIVITIES. SUBMIT SEALED PLANS FOR DEMOLITION IN ACCORDANCE WITH AUTHORIZED HEALTH AND SAFETY STANDARDS.
2. GEOTECHNICAL REPORT IS AVAILABLE UPON REQUEST. IF EXCAVATIONS ARE REQUIRED, ALLOW TIME FOR ROUTINE OVERSIGHT AND REVIEW BY BOTH STRUCTURAL AND GEOTECHNICAL ENGINEER. CONTRACTOR SHALL VERIFY SUB-SURFACE CONDITIONS ON SITE.
3. SURVEY INFORMATION IS AVAILABLE. THE SITE DRAWINGS AREA ESTIMATED FROM SURVEY. EXISTING GRADE INFORMATION, LOCATIONS AND VALUES OF EXISTING GRADES ARE APPROXIMATE (+/-). ALL VALUES ARE RELATED TO THE EXISTING FLOOR LEVELS ARE ESTIMATED. CONFIRM MEASUREMENTS ON SITE PRIOR TO START OF WORK.
4. HAZARDOUS MATERIALS: REFER TO THE RELATED HAZARDOUS MATERIALS REPORT. REPORT ALL SUSPICIOUS MATERIALS TO THE OWNER / CONSULTANT UPON AWARENESS.
5. PAST ABATEMENT WORK: REMOVALS OF SELECTIVE HAZARDOUS MATERIALS, C/W LIMITED SELECTIVE DEMOLITION HAVE BEEN PREVIOUSLY CARRIED OUT BY THERMOCOUSTICS AND AIR TESTED AS SUITABLE FOR DEMOLITION. SEE DSS REPORTS WITHIN PROJECT MANUAL.

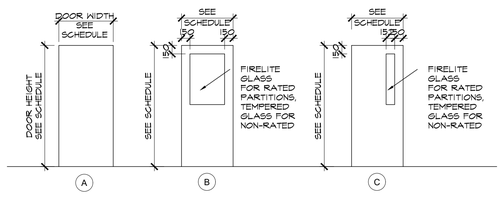
CONSTRUCTION NOTES:

1. CONTRACTOR TO COORDINATE ALL WORK, INCLUDING THE WORK OF ALL SUBTRADES AND SUBCONTRACTORS. COORDINATE ALL WORK SCHEDULES WITH OWNER PRIOR TO START
2. CHECK ALL DIMENSIONS PRIOR TO THE START OF WORK AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. SAFEGUARD ALL EXISTING STRUCTURES AFFECTED BY THIS CONTRACT. PROTECT ALL STRUCTURES, ELEMENTS, AND ADJACENT AREAS FROM DAMAGE AND DUST DURING ENTIRE COURSE OF WORK. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING SYSTEMS OF BUILDING ELEMENTS DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL CHECK, VERIFY, LOCATE, PROVIDE AND REINFORCE AS NECESSARY ALL OPENINGS FOR MECHANICAL AND ELECTRICAL REQUIREMENTS.
12. ERECT TEMPORARY ENCLOSURES TO CONTAIN AND SECURE THE WORK AREA. PROVIDE SAFETY SIGNAGE AND BARRICADES AND SECURE WORK AREA TO LIMIT ACCESS.
8. HOARDING: PROVIDE & MAINTAIN RIGID DUST BARRIERS C/W VAPOUR BARRIER TO AVOID DEBRIS AND DUST INTO OCCUPIED SPACES.
9. MAINTAIN SITE SERVICES, ELECTRICAL AND WATERTIGHT STRUCTURE AT ALL TIMES.
13. THE CONTRACTOR SHALL STORE (ON SITE) ALL ITEMS NOTED FOR SALVAGE AS DIRECTED BY THE OWNER.
14. LOCATE AND PROTECT UTILITIES (CALL BEFORE DIGGING). PRESERVE ACTIVE UTILITIES TRAVERSING SITE IN OPERATING CONDITION. NOTIFY AND OBTAIN APPROVAL OF UTILITY COMPANIES BEFORE STARTING DEMOLITION.
15. DO NOT SELL, BURN OR CONCEAL CONSTRUCTION MATERIALS ON SITE.
16. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DISCARDED MATERIALS FROM THE SITE.
14. IN ALL CIRCUMSTANCES ENSURE THAT DEMOLITION WORK DOES NOT ADVERSELY AFFECT ADJACENT WATERCOURSES, GROUNDWATER AND WILDLIFE, OR CONTRIBUTE TO EXCESS AIR AND NOISE POLLUTION.CLEANUP: UPON COMPLETION OF WORK, REMOVE DEBRIS, AND LEAVE WORK SITE CLEAN.
18. MAKE GOOD ALL EXISTING AREAS DISTURBED BY NEW WORK TO MATCH EXISTING MATERIALS AND FINISHES UNLESS OTHERWISE NOTED.
19. PERFORM WORK CONTINUOUSLY TO COMPLETION. NO PERIOD OF INACTIVITY WILL BE ACCEPTED
20. PERFORM ALL WORK AND INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
21. OWNER SELECTION: COORDINATE ALL EQUIPMENT, FINISHES, COLOURS, ETC WITH OWNER PRIOR TO PURCHASING PRODUCTS.
22. PERFORM DAILY AND FINAL CLEANING.

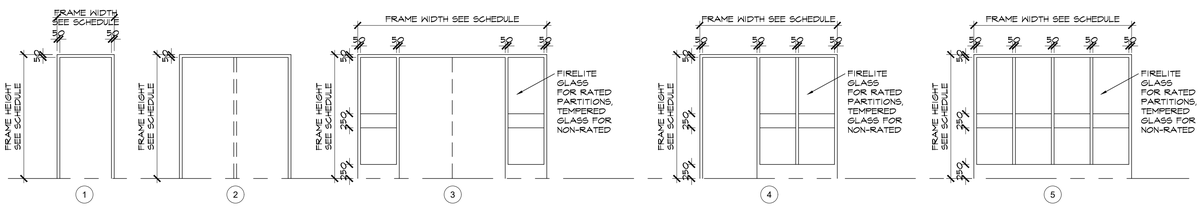
GENERAL SYMBOL LEGEND

- EXISTING BUILDING ELEMENTS TO BE REMOVED / DEMOLISHED.
- EXISTING WALLS TO REMAIN
- NEW WALL
- EXISTING GLAZING TO REMAIN
- EXISTING GLAZING TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- NEW DOOR & FRAME

DOOR ELEVATIONS



FRAME ELEVATIONS



2 / A0.1 DOOR, FRAME, & SCREEN SCHEDULE
SCALE 1:50

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

04/19/23	ISSUED FOR PERMIT AND TENDER

Bertrand Wheeler architecture Inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: O.B.C. MATRIX, LEGENDS, NOTES,
DOOR, FRAME, & SCREEN SCHEDULE

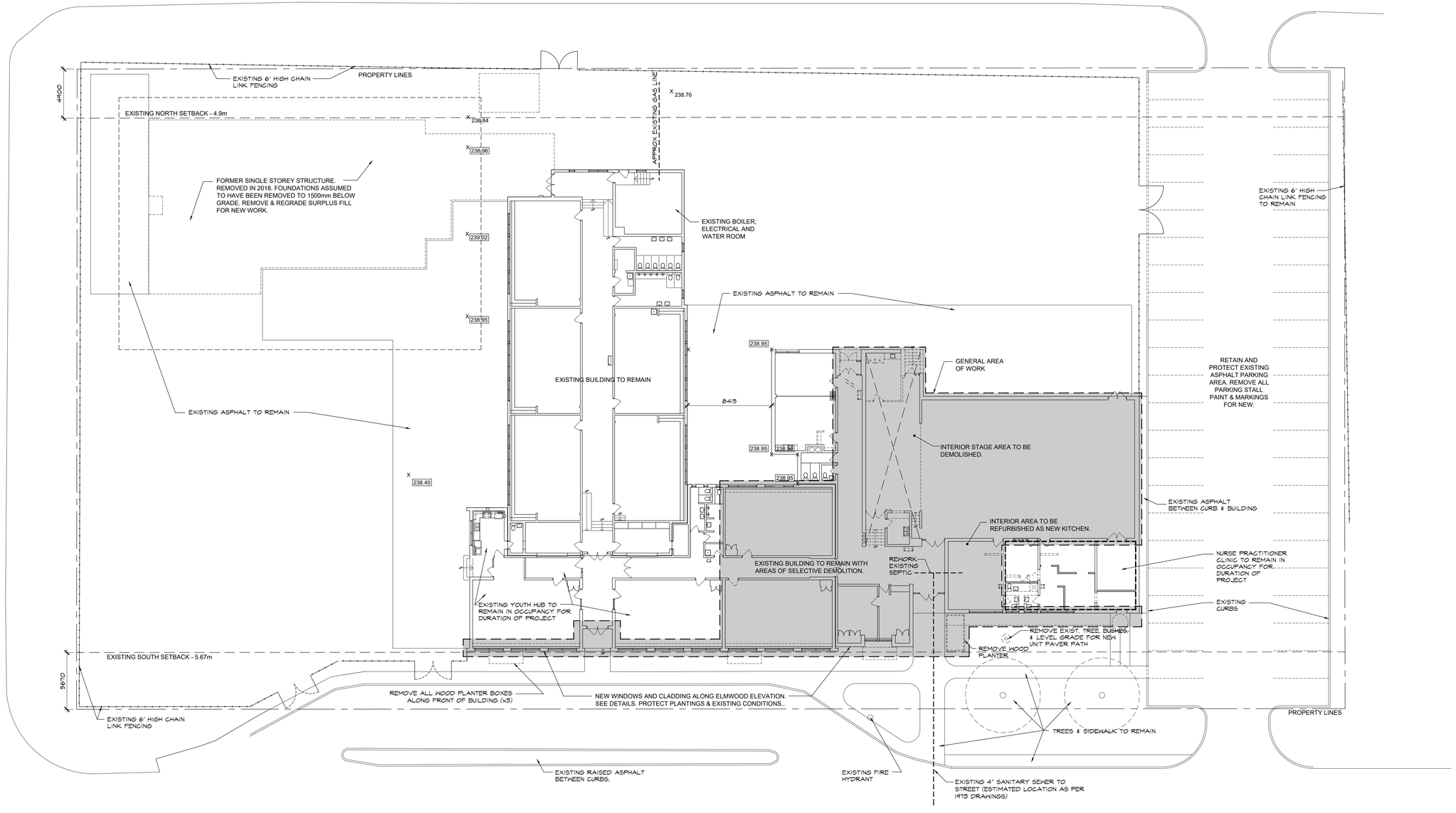
drawn by: MBW	checked by: MBW
scale: AS NOTED	project no: 2063A
date plotted: RText (RText)	
revision date:	

dwg no: A0.1

RText (RText)

MAPLEWOOD AVENUE

BROWNING STREET



ELMWOOD AVENUE

1 / A1.0 OVERALL EXISTING AND DEMOLITION SITE PLAN
SCALE 1:200

RText (RText)

04/19/23	ISSUED FOR PERMIT AND TENDER

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

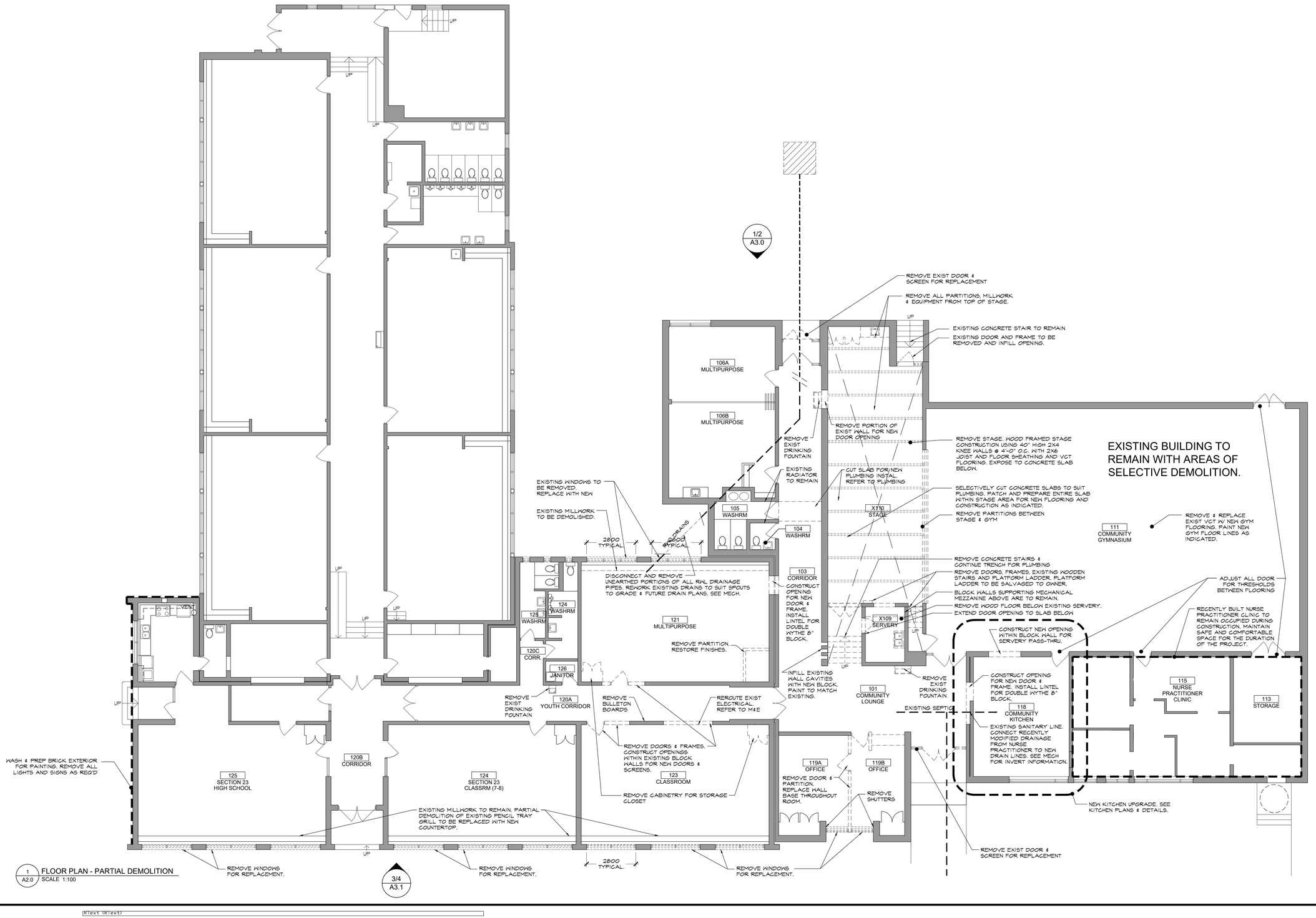
Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project:
SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title:
SITE PLAN
DEMOLITION & REMOVALS

drawn by: MBW	checked by: MBW
scale: AS NOTED	project no: 2063A
date plotted: RText (RText)	
revision date:	

dwg no:
A1.0



1/A2.0 FLOOR PLAN - PARTIAL DEMOLITION
SCALE 1:100

RText <RText>

ISSUED FOR PERMIT AND TENDER — 04/19/23

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

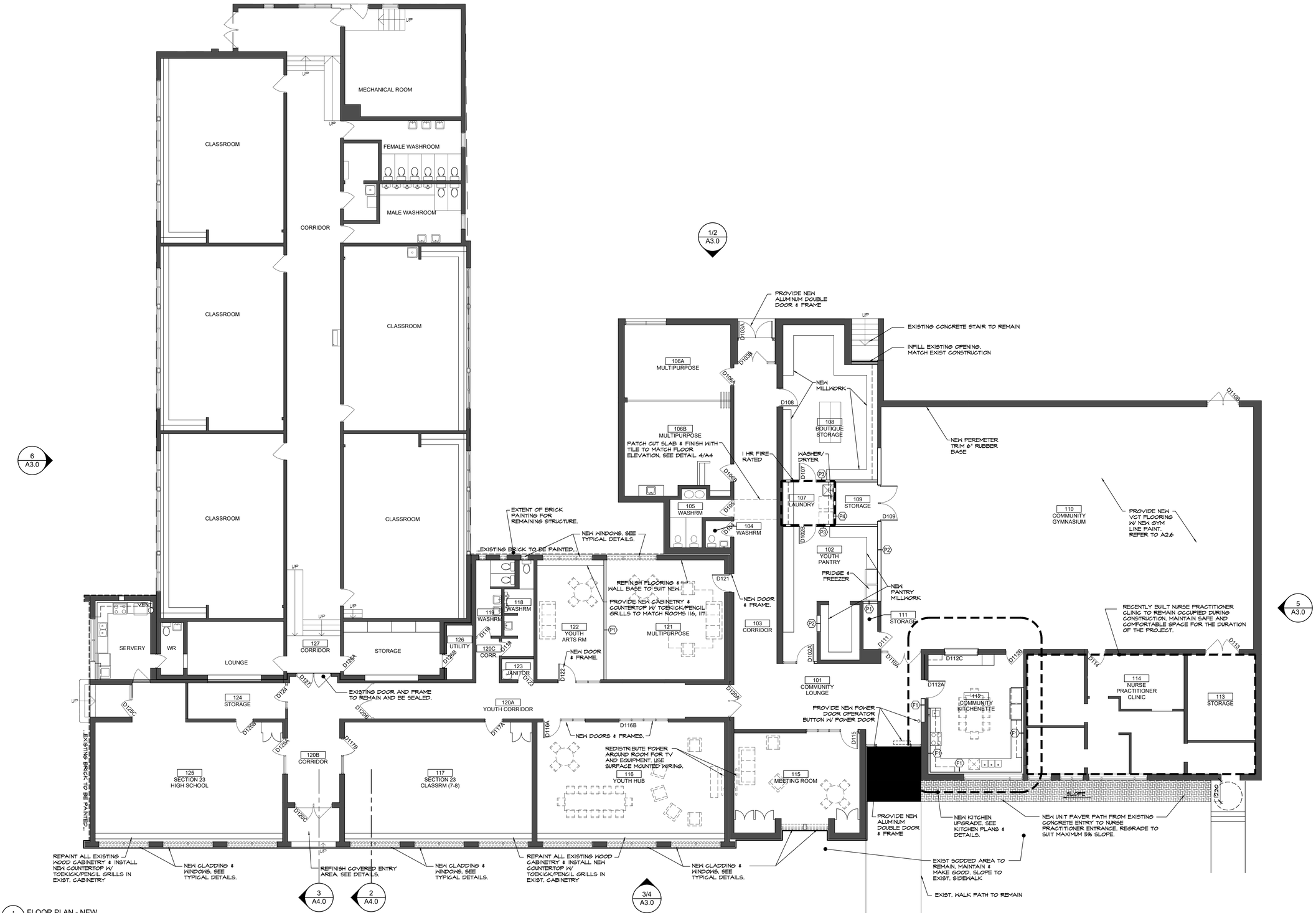
Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: FLOOR PLAN - PARTIAL DEMOLITION

drawn by:	checked by:
MBW	MBW
scale:	project no:
AS NOTED	2063A
date plotted:	
RText <RText>	
revision date:	

dwg no: A2.0



1 A2.1 FLOOR PLAN - NEW
SCALE 1:100

RText QRText

ISSUED FOR PERMIT AND TENDER — 04/19/23

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: FLOOR PLAN - NEW

drawn by:	checked by:
MBW	MBW
scale: AS NOTED	project no: 2063A
date plotted: RText QRText	
revision date:	

dwg no: A2.1

1 / A2.2 REFLECTED CEILING PLAN - PARTIAL DEMOLITION
SCALE 1:100

RText (RText)

04/19/23	ISSUED FOR PERMIT AND TENDER

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE
5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: REFLECTED CEILING PLAN - PARTIAL DEMOLITION

drawn by: MBW	checked by: MBW
scale: AS NOTED	project no: 2063A
date plotted: RText (RText)	
revision date:	

dwg no: A2.2

1 / A2.3 REFLECTED CEILING PLAN - NEW
SCALE 1:100

RText (RText)

ISSUED FOR PERMIT AND TENDER — 04/19/23

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE
5768

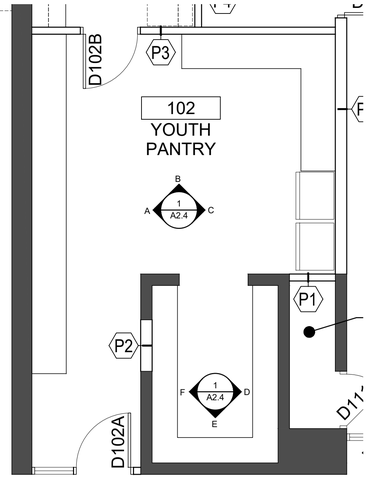
Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0888 fax: 705-472-2486

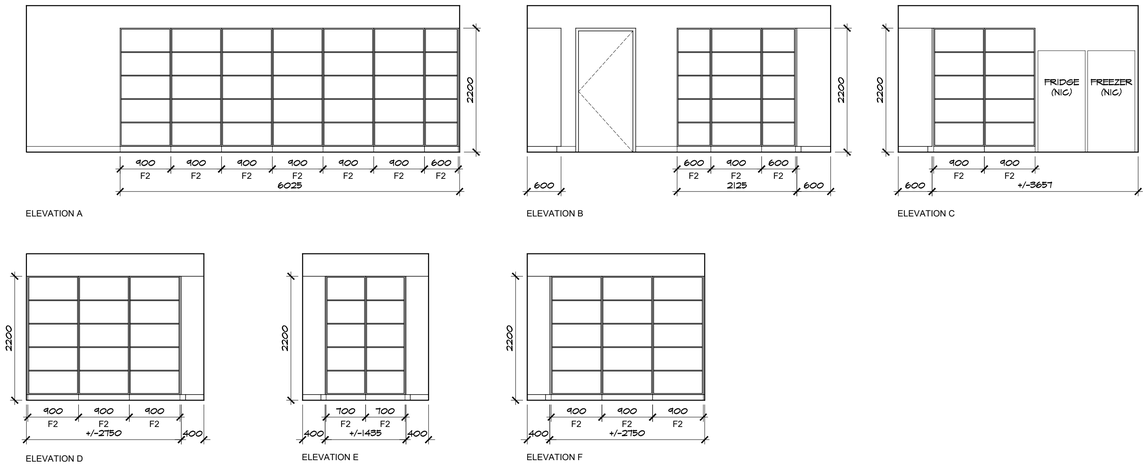
project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: REFLECTED CEILING PLAN - NEW

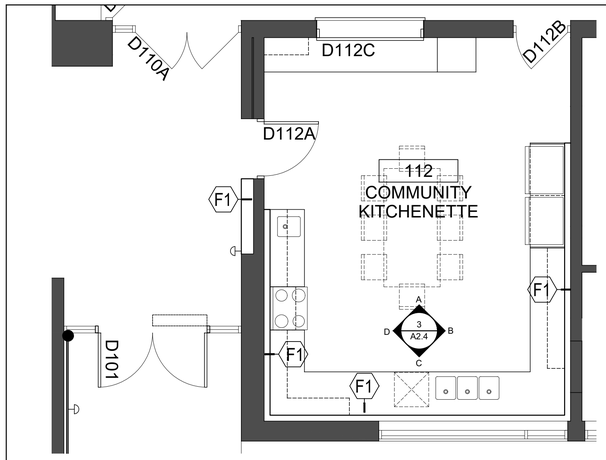
drawn by:	checked by:
MBW	MBW
scale:	project no:
AS NOTED	2063A
date plotted:	
RText (RText)	
revision date:	

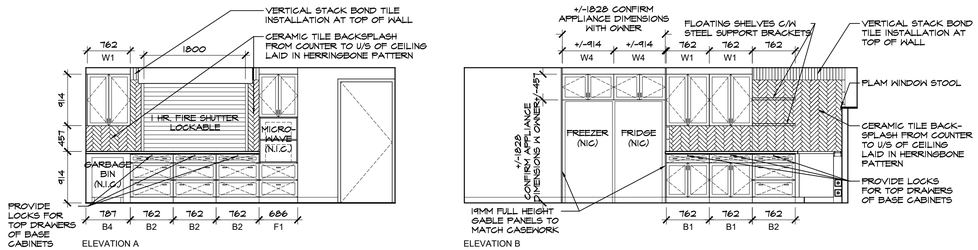
dwg no: A2.3

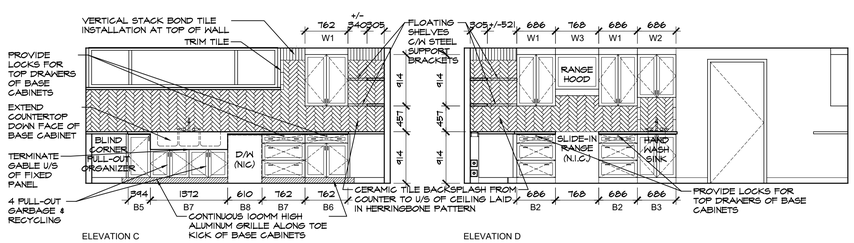




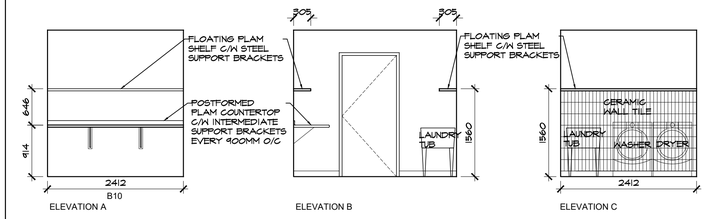
1 A2.4 YOUTH PANTRY 102
SCALE 1:50



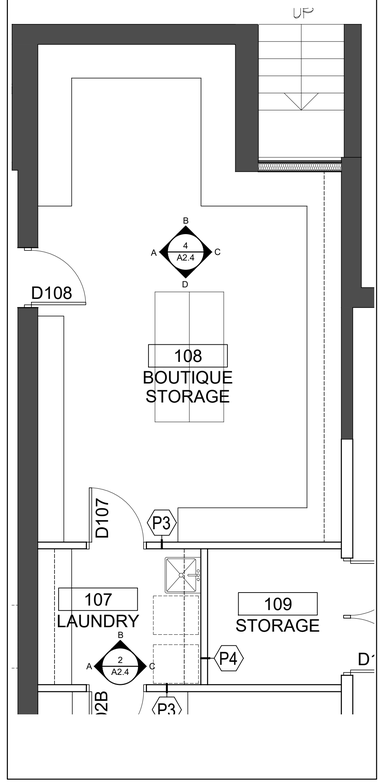


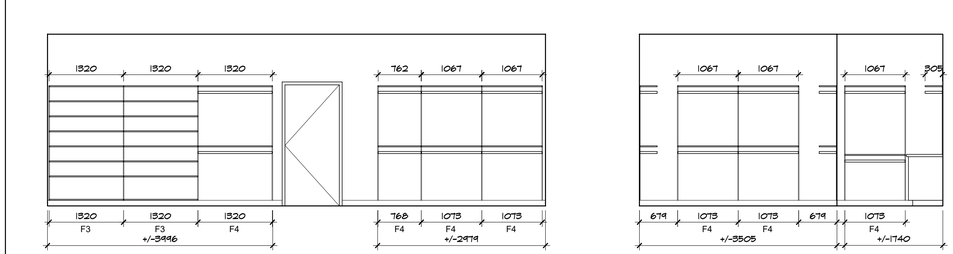


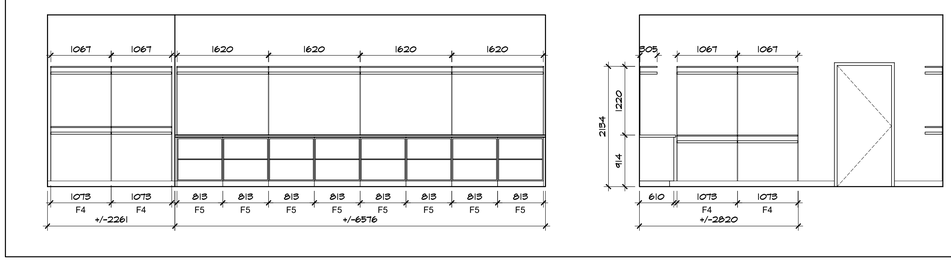
3 A2.4 COMMUNITY KITCHENETTE 112
SCALE 1:50



2 A2.4 LAUNDRY 107
SCALE 1:50







4 A2.4 BOUTIQUE 118
SCALE 1:50

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

1	ISSUED FOR PERMIT AND TENDER	04/19/2023

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

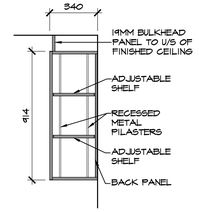
project: SINGLE SITE REDEVELOPMENT
INTERIOR & ENVELOPE UPGRADES
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SOUND
140 ELMWOOD AVENUE, NORTH BAY, ONTARIO

title: INTERIOR ELEVATIONS

drawn by: JA	checked by: MBW
scale: 1:50	project no: 2063A
date plotted: Apr 19, 2023	
revision date:	

dwg no: **A2.4**

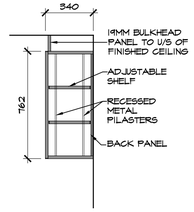
Drawing name: H:\2020\2063A CAS Elmwood - Single Site Redevelopment\2.5.1 Design and Drawings\Interior & Envelope Upgrades - Mar 2023\2063A-INTERIOR ELEVATIONS -04.18.23.dwg



SECTION

-UPPER CABINET
-SOLID DOORS
-ADJUSTABLE SHELVES

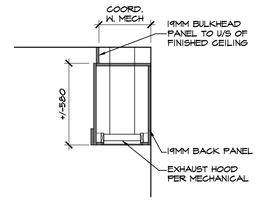
W1



SECTION

-UPPER CABINET
-SOLID DOORS
-ADJUSTABLE SHELVES

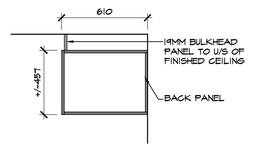
W2



SECTION

-RANGE HOOD

W3



SECTION

-UPPER CABINET ABOVE FRIDGE/FREEZER
-SOLID DOORS

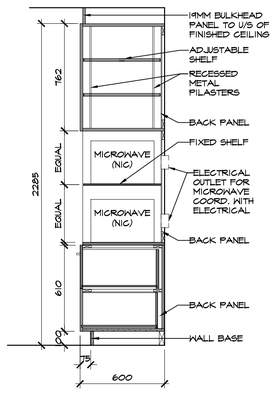
W4

CASEWORK MATERIAL AND FINISH:

1. 19MM MELAMINE PARTICLE BOARD WITH SOLID MATCHING 3MM PLASTIC EDGING.

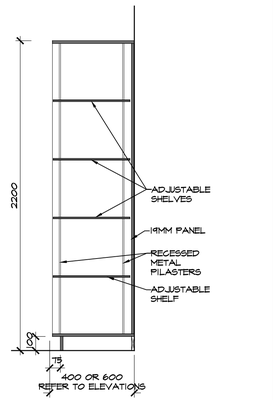
GENERAL NOTES:

1. PROVIDE CUTOUT FOR UPPER AND LOWER CABINETS AT COLUMNS. CUT AND FIT BACKSPLASH AROUND COLUMNS ON ALL SIDES. CAULK AND SEAL BACKSPLASH.
2. PROVIDE FILLER PANELS AS REQUIRED TO FILL IN OPENINGS. PANELS TO MATCH SIZES AND FINISHES OF ADJACENT CASEWORK. INSTALL ALL BACKING AND BLOCKING REQUIRED FOR PANEL INSTALLATION.
3. TYPICAL AT ALL GWB BULKHEADS AS INDICATED ON DRAWINGS. PROVIDE FRAMING, BLOCKING AND BACKING AS REQUIRED TO SUIT CASEWORK BELOW BULKHEAD.
4. UNLESS OTHERWISE NOTED ALL ENDS OF COUNTERS, CABINETS, GABLES, BACKSPLASHES, SIDESPLASHES, KICKPLATES, DOORS AND FILLER PANELS TO BE FINISHED TO MATCH ADJACENT CASEWORK.
5. PROVIDE ALL CUTOUTS FOR MISCELLANEOUS OPENINGS AS REQUIRED BY ALL TRADES. COORDINATE LOCATION AND SIZES FOR CUTOUTS WITH ALL TRADES BEFORE CUTTING OPENINGS. FINISH EXPOSED EDGES TO MATCH ADJACENT CASEWORK.
6. ENSURE CABINETS ARE COORDINATED TO RECEIVE ALL EQUIPMENT AS PER EQUIPMENT LIST AND REQUIREMENTS.
7. PROVIDE STRUCTURAL BRACING FOR ANY CLEAR RUNNING COUNTERTOPS WITH A SPAN LONGER THAN 1200MM. SUPPORTS TO CARRY A LIVE LOAD OF 150 kg MIN.



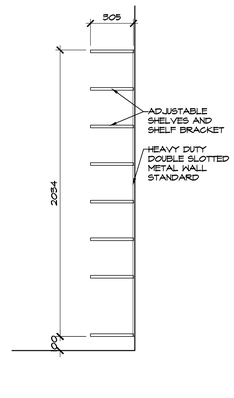
SECTION

F1



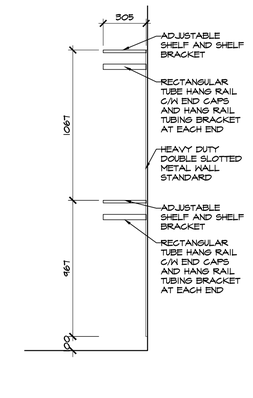
SECTION

F2



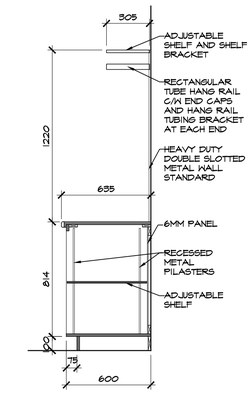
SECTION

F3



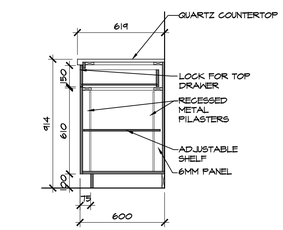
SECTION

F4



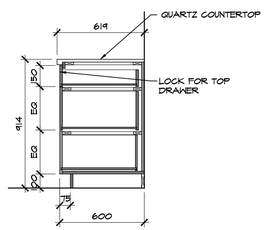
SECTION

F5



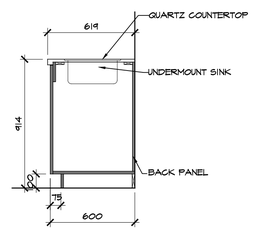
SECTION

B1



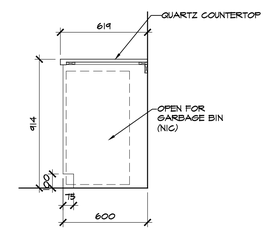
SECTION

B2



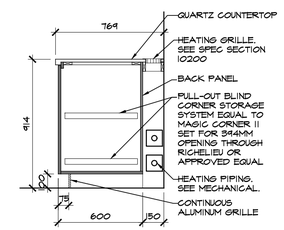
SECTION

B3



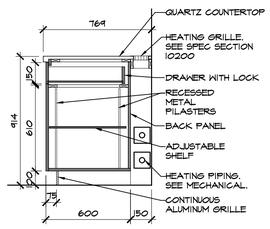
SECTION

B4



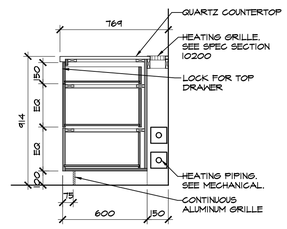
SECTION

B5



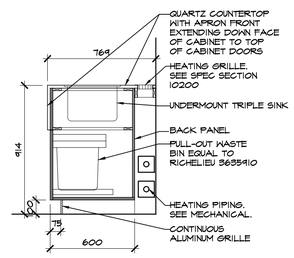
SECTION

B6



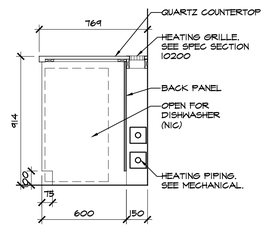
SECTION

B7



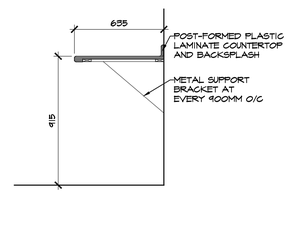
SECTION

B8



SECTION

B9



SECTION

B10

1	ISSUED FOR PERMIT AND TENDER
04/19/2023	

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

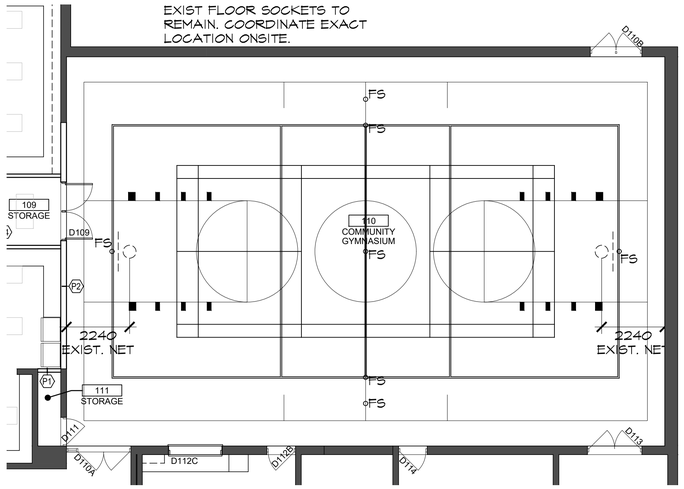
project:
SINGLE SITE REDEVELOPMENT
INTERIOR & ENVELOPE UPGRADES
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SOUND
140 ELMWOOD AVENUE, NORTH BAY, ONTARIO

title:
CASEWORK DETAILS

drawn by: JA	checked by: MBW
scale: 1:20	project no: 2063A
date plotted: Apr 19, 2023	
revision date:	

dwg no:
A2.5

Drawing name: H:\2020\2063A CAS Elmwood - Single Site Redevelopment\2.5.1 Design and Drawings\Interior & Envelope Upgrades - Mar 2023\2063A-INTERIOR ELEVATIONS -04.18.23.dwg



GAME LINES LEGEND

MAIN COURT BASKETBALL
COLOUR : BLACK
SIDELINE WIDTH: 90mm
KEY / MIDCOURT / CENTER COURT WIDTH: 50mm
BASELINE WIDTH: 205mm (INSIDE EDGE IS INBOUNDS)

MAIN COURT VOLLEYBALL
COLOUR : RED
WIDTH: 50mm

MAIN COURT BADMINTON
COLOUR : WHITE
WIDTH: 38mm

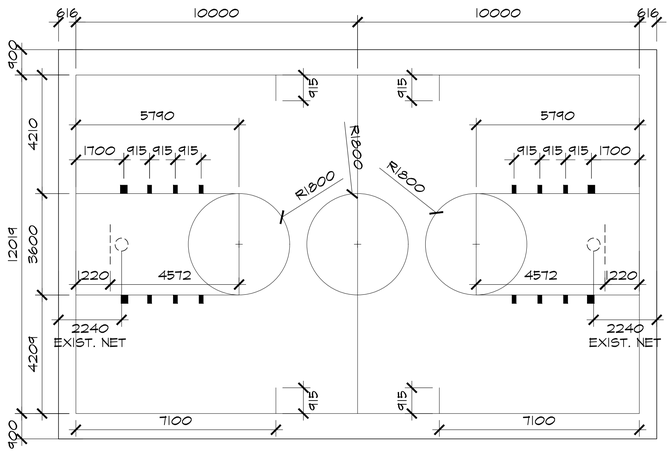
POST FLOOR SOCKETS
o FS

NOTE: REFER TO SPECIFICATION FOR LOCATION OF ALL SIZES AND TYPES OF FLOOR SOCKETS

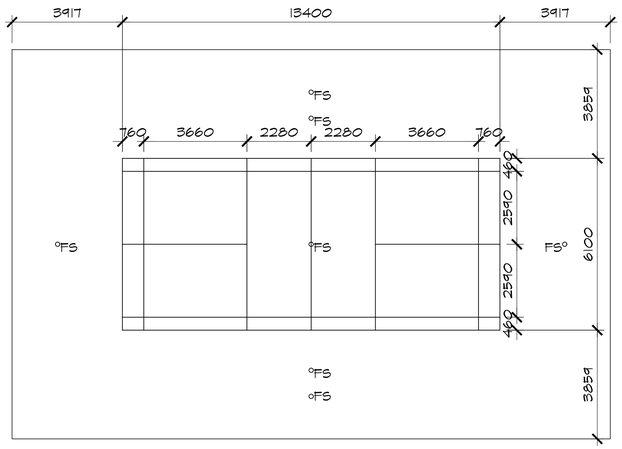
BASKETBALL BACKBOARD & BASKET HOOP

NOTES:
1. GAMES LINES INSTALLER SHALL PROVIDE DRAWING INDICATING PROPOSED GAMES LINES WITH ALL DIMENSIONS, LINE WIDTHS AND LINE COLOURS FOR OWNER VERIFICATION PRIOR TO INSTALLATION.

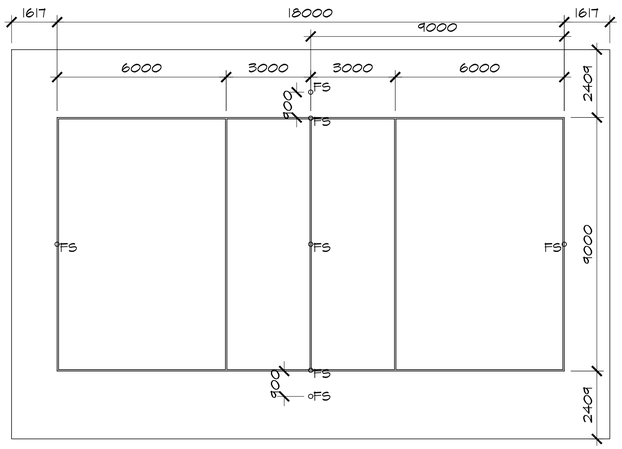
1 / A2.6 OVERALL - COURT LINES
SCALE 1:100



2 / A2.6 BASKETBALL COURT
SCALE 1:100



3 / A2.6 BADMINTON COURT
SCALE 1:100



4 / A2.6 VOLLEYBALL COURT
SCALE 1:100

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

04/19/23	ISSUED FOR PERMIT AND TENDER

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

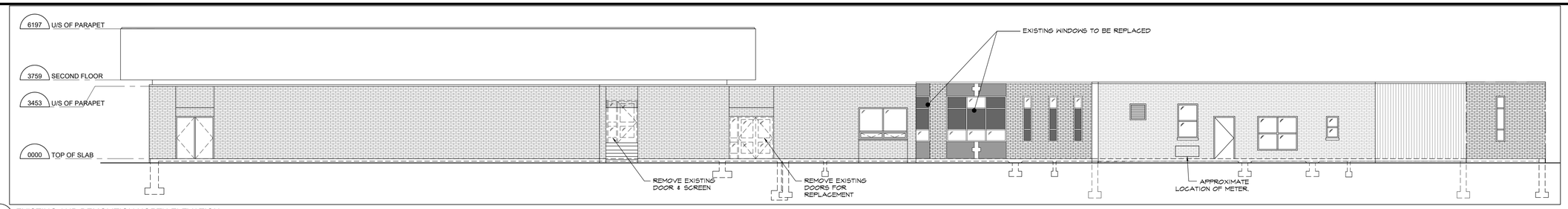
project:
SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title:
GYM FLOOR - COURT LINES

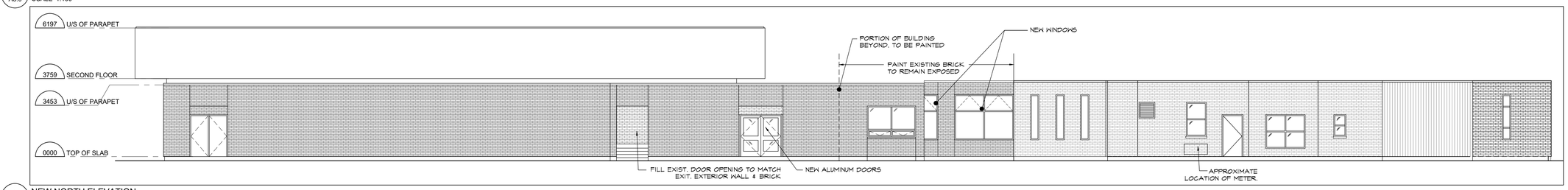
drawn by: MBW	checked by: MBW
scale: AS NOTED	project no: 2063A
date plotted: RText dText	
revision date:	

dwg no:
A2.6

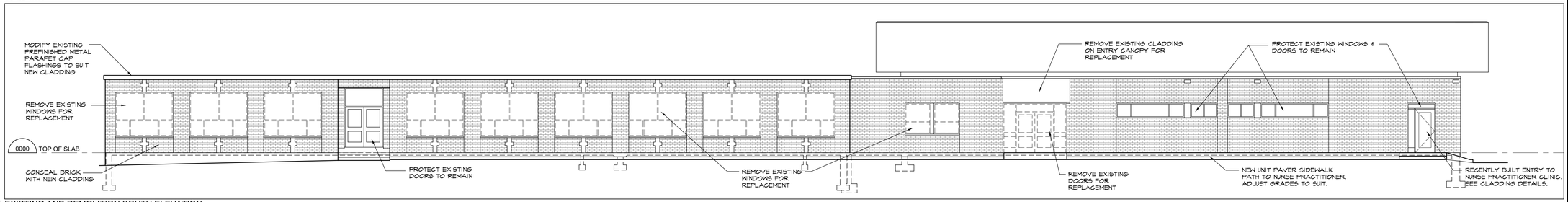
RText dText



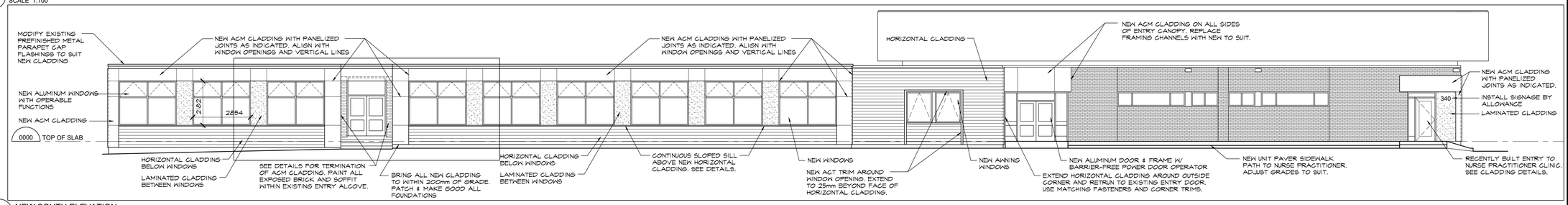
2 A3.0 EXISTING AND DEMOLITION NORTH ELEVATION
SCALE 1:100



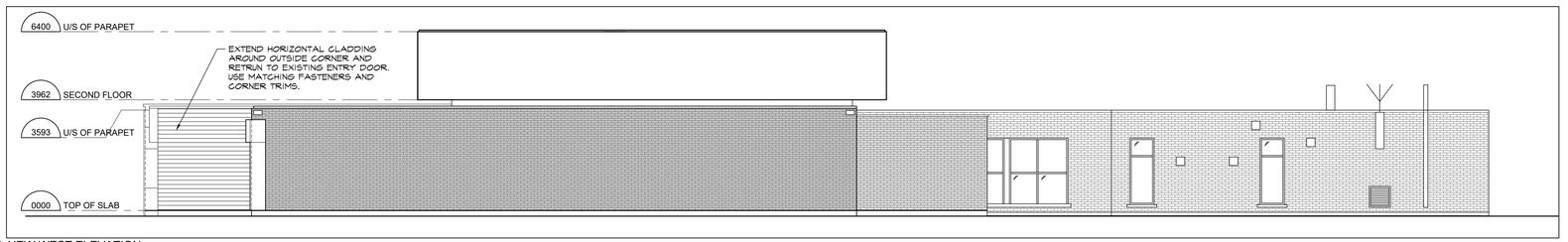
1 A3.0 NEW NORTH ELEVATION
SCALE 1:100



3 A3.1 EXISTING AND DEMOLITION SOUTH ELEVATION
SCALE 1:100



4 A3.1 NEW SOUTH ELEVATION
SCALE 3



5 A3.0 NEW WEST ELEVATION
SCALE 1:100

6 A3.0 NEW WEST ELEVATION
SCALE 1:100

ISSUED FOR PERMIT AND TENDER 04/19/23

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

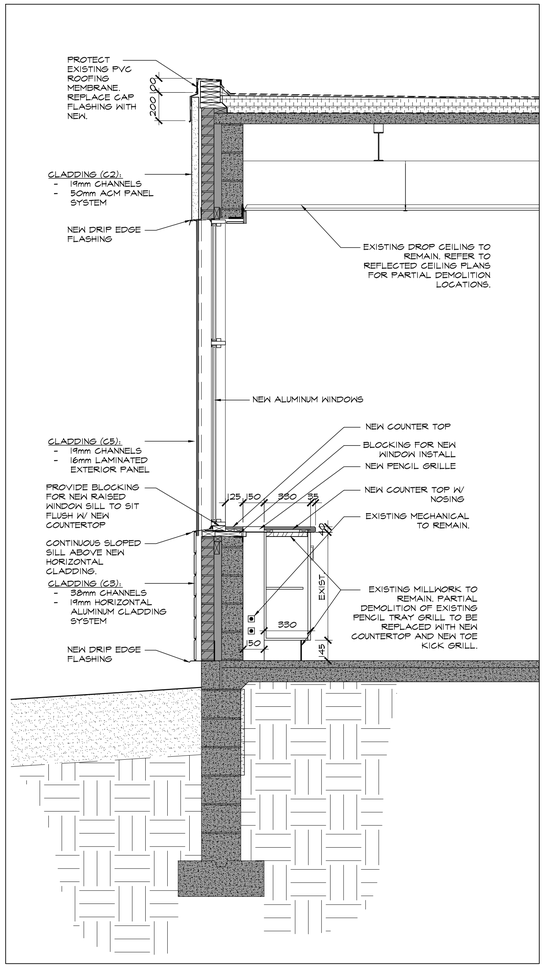
project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: EXTERIOR ELEVATIONS AND BUILDING SECTION

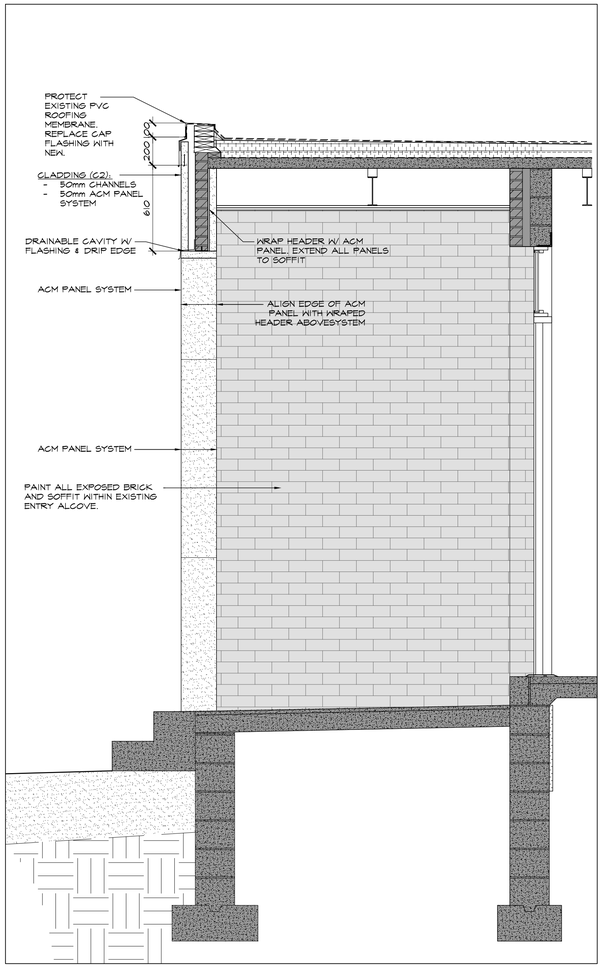
drawn by:	checked by:
MBW	MBW
scale: AS NOTED	project no: 2063A
date plotted: RText (RText)	
revision date:	

dwg no: A3.0

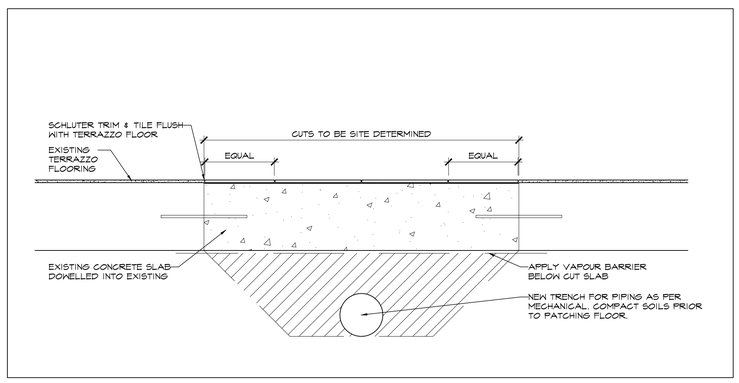
RText (RText)



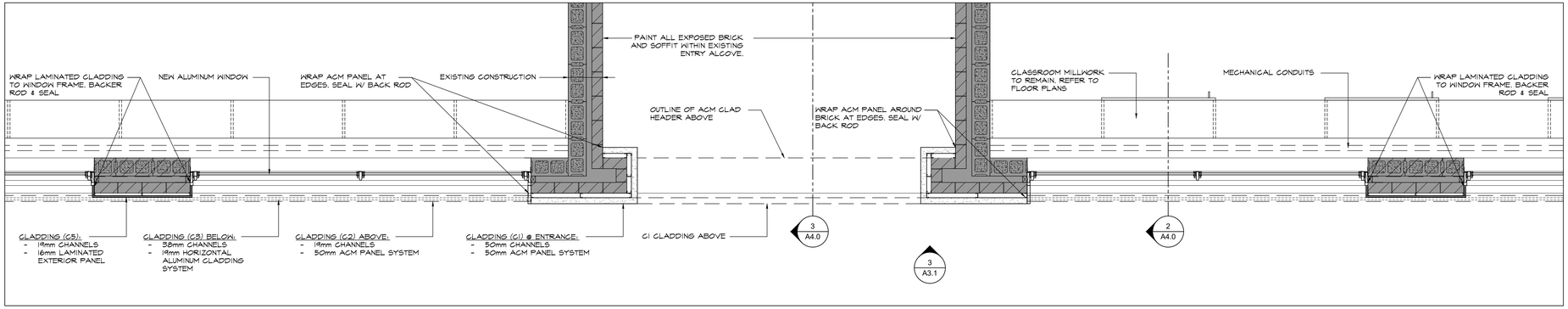
2 A4.0 NEW CLADDING - SECTION
SCALE 1:20



3 A4.0 NEW CLADDING - SECTION
SCALE 1:20



4 A4.0 FLOOR INFILL DETAIL
SCALE 1:10



1 A4.0 NEW CLADDING - PLAN
SCALE 1:20

RText (RText)

04/19/23	ISSUED FOR PERMIT AND TENDER

ONTARIO ASSOCIATION OF ARCHITECTS
MARCUS B. WHEELER
LICENCE 5768

Bertrand Wheeler architecture inc.
528 Cassells Street, North Bay, ON P1B 3Z7 tel: 705-472-0988 fax: 705-472-2486

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: WALL SECTIONS

drawn by: MBW	checked by: MBW
scale: AS NOTED	project no: 2063A
date plotted: RText (RText)	
revision date:	

dwg no: A4.0

STRUCTURAL WORK SPECIFICATION

1. GENERAL
   - 1.1. COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
     - 1.1.1. A BUILDING PERMIT IS REQUIRED FOR ALL STRUCTURAL WORKS UNLESS OTHERWISE NOTED BY THE CHIEF BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION.
   - 1.2. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR THE COMPLETION OF THE WORK. BREAKDOWN OF WORK BY TRADE IS FOR GUIDANCE ONLY AND IS NOT NECESSARILY COMPLETE.
   - 1.3. REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
   - 1.4. DO NOT SCALE THESE DRAWINGS.
   - 1.5. THE STRUCTURAL DRAWINGS SHOW BEARING ELEMENTS BELOW WITH DASHED LINES. CONTINUOUS LINES DENOTE STRUCTURAL ELEMENTS ABOVE.
   - 1.6. COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS IN STRUCTURE WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS. REPORT ANY CONFLICTS BEFORE PROCEEDING WITH THE WORK.
   - 1.7. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL CONSULTANT UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
   - 1.8. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT.
   - 1.9. DRAWING UNITS (UNLESS OTHERWISE NOTED):

LENGTH -------------------- mm	MASS ------------------------ kg
PRESSURE ---------------- kPa	FORCE ---------------------- kN
LINEAR FORCE ---------- kN/m	MOMENT / TORSION --- kN.m

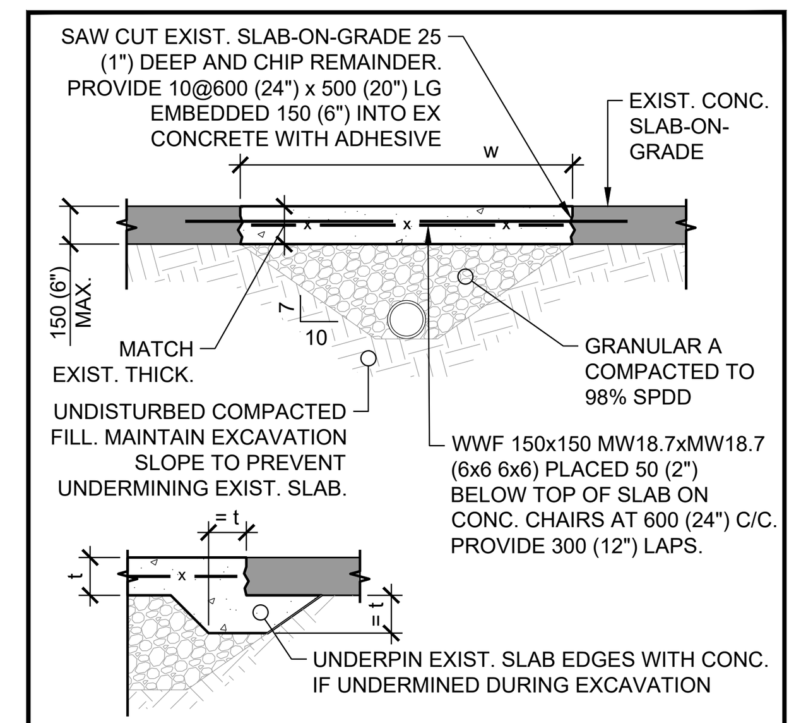
2. SUBMITTALS
   - 2.1. SUBMIT FOR REVIEW BEFORE THE START OF THE WORK SUBMIT SHOP DRAWINGS IN UNLOCKED, PDF DOCUMENT FORMAT FOR:
     - 2.1.1. CONCRETE MIX DESIGNS
     - 2.1.2. PROPOSED CONSTRUCTION AND CONTROL JOINT LOCATIONS IN CONCRETE ELEMENTS
     - 2.1.3. CONCRETE AND MASONRY REINFORCING STEEL
     - 2.1.4. STRUCTURAL STEEL (ERECTION DRAWINGS AND DETAILS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER)
   - 2.2. SHOP DRAWINGS ARE TO BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT. SHOP DRAWINGS THAT DO NOT BEAR THE REVIEW STAMP OF THE CONTRACTOR WILL BE MARKED “RESUBMIT” AND RETURNED WITHOUT BEING REVIEWED.
   - 2.3. REVIEW OF SHOP DRAWINGS IS PERFORMED ON A RATIONAL SAMPLING BASIS FOR GENERAL CONFORMANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS PREPARED BY THE STRUCTURAL CONSULTANT. OUR REVIEW DOES NOT INCLUDE DETAILED CHECKING OF DIMENSIONS OR EXTENSIVE CHECKING OF CALCULATIONS FOR ELEMENTS ENGINEERED BY OTHERS AND DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
   - 2.4. REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS.
   - 2.5. REVIEW OF A SPECIFIC COMPONENT ON NON-STRUCTURAL SHOP DRAWINGS (COMPONENTS ENGINEERED BY OTHERS) DOES NOT INCLUDE REVIEW OF THE ASSEMBLY OF WHICH THE ITEM MAY BE A COMPONENT.
   - 2.6. IF REQUIRED, CAD FILES OF THE FULL SET OF STRUCTURAL DRAWINGS ARE AVAILABLE “AS-IS”, AT A COST OF $100 PER SHEET (MINIMUM $500), EXCLUDING TAXES, FOR USE IN THE PREPARATION OF SHOP DRAWINGS. IN USING OUR CAD FILES, THE CONTRACTOR IS AGREEING THAT THE OWNER AND THEIR CONSULTANTS ARE NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS ON THE DRAWINGS. CAD DRAWINGS ARE NOT TO BE SCALED.
   - 2.7. MAKE CORRECTIONS REQUIRED BY PREVIOUS REVIEW BEFORE RESUBMITTING DRAWINGS. CLEARLY INDICATE ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMISSION. DO NOT ADD NEW DETAILS TO DRAWINGS THAT HAVE BEEN STAMPED AS REVIEWED OR NOTED.
   - 2.8. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
   - 2.9. PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.
   - 2.10. THE CONTRACTOR IS TO DEVELOP AND MAINTAIN A DETAILED QUALITY CONTROL PLAN ASSOCIATED WITH THE STRUCTURAL WORK. PROVIDE A COPY OF THE QUALITY CONTROL PLAN TO THE CONSULTANT WHEN REQUESTED. THE QUALITY CONTROL PLAN SHALL INCLUDE, BUT IS NOT LIMITED TO:
     - 2.10.1. PROCEDURES FOR COLD AND HOT WEATHER CONSTRUCTION.
     - 2.10.2. COMPLIANCE WITH THE CONTRACT DOCUMENTS.
     - 2.10.3. COMPLIANCE OF SUB-TRADE QUALIFICATIONS.
     - 2.10.4. PROCEDURES FOR THIRD-PARTY / INDEPENDENT INSPECTION AND TESTING.
3. TEMPORARY WORKS
   - 3.1. STRUCTURAL DRAWINGS SHOW THE INTENT OF THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SCOPE, DESIGN AND ERECTION OF ALL TEMPORARY WORKS THAT ARE NECESSARY TO COMPLETE THE WORK. TEMPORARY WORKS MAY BE REQUIRED THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
   - 3.2. DESIGN AND GENERAL REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER (LICENSED AND INSURED TO PRACTICE IN ONTARIO) RETAINED BY THE CONTRACTOR.
   - 3.3. MAKE GOOD ALL EXISTING WORK DISTURBED BY TEMPORARY CONSTRUCTION OPERATIONS.
4. EXISTING STRUCTURES
   - 4.1. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
   - 4.2. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES DURING CONSTRUCTION.
   - 4.3. INSTALL AND AFTERWARDS REMOVE ALL TEMPORARY SHORING AND BRACING REQUIRED TO ENSURE THE INTEGRITY OF THE EXISTING STRUCTURE DURING CONSTRUCTION. SHORING INDICATED ON THE STRUCTURAL DRAWINGS DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY FOR DETERMINING WHERE SHORING WILL BE REQUIRED. INSTALL ALL MEMBERS AS REQUIRED, INCLUDING NEEDLING AND BRACING.
   - 4.4. ALL SHORING TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN ONTARIO. PREPARE SHORING DRAWINGS SIGNED AND SEALED BY THAT ENGINEER.
   - 4.5. UNDERPIN ANY EXISTING FOUNDATIONS WHERE NECESSARY. DESIGN AND PROVIDE ALL TEMPORARY WORKS REQUIRED TO SUPPORT AND PROTECT ADJACENT SOIL AND STRUCTURES. SUBMIT ENGINEERED DESIGN, INCLUDING PROCEDURES FOR REVIEW.
   - 4.6. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.
5. INSPECTION AND TESTING
   - 5.1. COOPERATE WITH CONSULTANTS DOING GENERAL REVIEW AND ALL INSPECTION AND TESTING AGENCIES. PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED AND ASSIST IN THEIR WORK. PROVIDE REASONABLE NOTICE (NOT LESS THAN 48 HOURS) PRIOR TO CONCEALING ANY WORK THAT REQUIRES INSPECTION, REVIEW, OR TESTING. SCHEDULE THIS WORK TO OCCUR DURING NORMAL BUSINESS HOURS. ENSURE THAT THE WORK TO BE REVIEWED IS SUBSTANTIALLY COMPLETE IN TIME FOR THE REVIEW.
   - 5.2. THE STRUCTURAL CONSULTANT WILL PROVIDE GENERAL REVIEW OF THE WORK DESIGNED BY THE CONSULTANT ON A RATIONAL SAMPLING BASIS IN ACCORDANCE WITH THE GUIDELINE: “PROFESSIONAL ENGINEERS PROVIDING GENERAL REVIEW OF CONSTRUCTION AS REQUIRED BY THE ONTARIO BUILDING CODE” AS PREPARED BY PROFESSIONAL ENGINEERS ONTARIO. THESE REVIEWS DO NOT ALLEVIATE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITH AN APPROPRIATE QUALITY CONTROL PROGRAM.
   - 5.3. ENSURE THAT GENERAL REVIEW IS PROVIDED FOR ALL STRUCTURAL WORK DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. GENERAL REVIEW TO BE BY THE ENGINEER RESPONSIBLE FOR THE DESIGN OR BY ANOTHER PROFESSIONAL ENGINEER LICENSED AND INSURED IN ONTARIO. SUBMIT GENERAL REVIEW REPORTS FOR REVIEW.
   - 5.4. RETAIN AN INDEPENDENT INSPECTION AND TESTING COMPANY TO UNDERTAKE CONCRETE TESTING, MASONRY TESTING AND TO INSPECT STRUCTURAL STEEL WORK (AS APPLICABLE) ON SITE.
     - 5.4.1. MAKE ONE STANDARD TEST FOR EACH 100 CUBIC METRES OF CONCRETE (OR PART THEREOF), BUT NOT LESS THAN ONE TEST EACH DAY FOR EACH CLASS. PROVIDE A GROUP OF THREE CONCRETE CYLINDERS FOR EACH STANDARD CONCRETE TEST. BREAK ONE TEST AT 7 DAYS. TEST METHODS AND RESULTS SHALL CONFORM TO CSA A23.2.
     - 5.4.2. AT LEAST 2 CYLINDER TESTS SHALL BE MADE FOR EACH 20 CUBIC METERS OF GROUT OR LESS. TEST METHODS AND RESULTS SHALL CONFORM TO CSA A179.
   - 5.5. RETAIN A GEOTECHNICAL CONSULTANT TO REVIEW ALL FOUNDATION BEARING SURFACES AND TO PERFORM FULL TIME INSPECTION DURING THE PLACEMENT OF ENGINEERED FILLS AND DEEP FOUNDATION ELEMENTS (AS APPLICABLE).
6. CONCRETE
   - 6.1. CONFORM TO CSA A23.1: “CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION”.
   - 6.2. CONCRETE IS SPECIFIED AS PER THE “PERFORMANCE SPECIFICATION” ALTERNATIVE AS OUTLINED IN CAN/SCA-A23.1, TABLE 5. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
   - 6.3. THE CONCRETE SUPPLIER TO BE CERTIFIED BY THE READY-MIXED CONCRETE ASSOCIATION OF ONTARIO.
   - 6.4. THE CONTRACTOR AND THE CONCRETE SUPPLIER ARE TO ENSURE THAT THE PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING AND THE OWNERS' PERFORMANCE REQUIREMENTS.
   - 6.5. CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
   - 6.6. CONCRETE TO BE NORMAL DENSITY UNLESS NOTED OTHERWISE.
   - 6.7. NOMINAL SIZE OF COURSE AGGREGATE TO BE 20 mm (3/4”) UNLESS NOTED OTHERWISE.
   - 6.8. CURING UNLESS OTHERWISE RECOMMENDED BY THE CONCRETE SUPPLIER TO SUIT SCM CONTENT:
     - 6.8.1. BASIC: 3 DAYS AT 10°C MIN OR 40% SPECIFIED STRENGTH
     - 6.8.2. ADDITIONAL: 7 DAYS AT 10°C MIN AND 70% SPECIFIED STRENGTH
     - 6.8.3. EXTENDED: 7 DAYS WET CURING AT 10°C MIN AND 70% OF SPECIFIED STRENGTH
   - 6.9. CONCRETE PROPERTIES (EXPOSURE CLASS, f'c, ENTRAINED AIR, MAX W/C RATIO, CURING TYPE):
     - 6.9.1. EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: F-2, 25 MPa, 4-7%, 0.55, BASIC
     - 6.9.2. IN CONTACT WITH PAVED SURFACES / WALKWAYS, FROST SLABS, AND OTHER SURFACES EXPOSED TO CHLORIDES: C-1, 35 MPa, 5-8%, 0.40, ADDITIONAL
     - 6.9.3. INTERIOR WALLS, SLABS, AND BEAMS: N, 25 MPa, N/A, BY SUPPLIER, BASIC
     - 6.9.4. SLABS-ON-GRADE (WITH RESILIENT FLOOR FINISHES): N-CF, 25 MPa, N/A, 0.45, BASIC
     - 6.9.5. SLABS-ON-GRADE AND ON STEEL DECK: N-CF, 25 MPa, N/A, BY SUPPLIER, BASIC
   - 6.10. PREMIXED GROUT TO BE NON-SHRINK, 40 MPa MINIMUM AT 28 DAYS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
   - 6.11. PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
   - 6.12. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
   - 6.13. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
   - 6.14. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS ARE NOT PERMITTED, EXCEPT WHERE SHOWN ON THE STRUCTURAL DRAWINGS. CONSTRUCTION JOINTS ARE PERMITTED AT THE UNDERSIDE OF SLABS ABOVE.
   - 6.15. FORM THE SIDES OF ALL STRUCTURAL CONCRETE MEMBERS.
   - 6.16. FOR SLABS-ON-GRADE OR UNBONDED CONCRETE TOPPINGS, LOCATE ALL CONDUITS, PIPES, OR HEATING CABLES EMBEDDED IN CONCRETE CLEAR OF THE TOP ONE THIRD OF THE SLAB THICKNESS TO AVOID DAMAGE DURING SAWCUTTING.
   - 6.17. PROVIDE 10 (3/8") THICK ASPHALT-IMPREGNATED FIBREBOARD ISOLATION JOINT FILLER WHERE SLAB-ON-GRADE TERMINATES AGAINST VERTICAL CONCRETE OR MASONRY ELEMENTS (UNLESS DOWELED TO OR CHASED IN THE VERTICAL STRUCTURE). DEPTH OF JOINT FILLER TO MATCH SLAB THICKNESS.
7. REINFORCING STEEL
   - 7.1. REINFORCEMENT TO CONFORM TO:
     - 7.1.1. DEFORMED BARS: CAN/CSA G30.18, GRADE 400R.
     - 7.1.2. WELDED BARS: CAN/CSA G30.18, GRADE 400W.
     - 7.1.3. WELDED WIRE FABRIC: ASTM A185/A185M.
     - 7.1.4. ZINC-COATING (GALVANIZED): ASTM A767/A767M
   - 7.2. BARS MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS AND SPLICED USING CLASS B LAPS.
   - 7.3. ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH. DO NOT SHORTEN HOOKS TO ACCOMMODATE MEMBER DIMENSIONS, BUT RATHER ROTATE THE HOOK TO ENSURE PROPER CONCRETE COVERAGE.
   - 7.4. PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.
   - 7.5. PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.
     - 7.5.1. CHAIRS PLACED ON INSULATION OR VOID FORM TO HAVE SAND PLATE BASES OR SIMILAR.
   - 7.6. ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
   - 7.7. PROVIDE GALVANIZED REINFORCEMENT IN ALL CONCRETE WITH EXPOSURE CLASS C-XL, C-1, OR C-3.
   - 7.8. WHERE GALVANIZED REINFORCEMENT IS NOTED ON THE STRUCTURAL DRAWINGS, PROVIDE COATED TIE-WIRES AND PLASTIC CHAIRS. TOUCH-UP ALL DAMAGED EPOXY-COATING AND GALVANIZING PRIOR TO PLACING CONCRETE.
   - 7.9. CLEAR CONCRETE COVER TO REINFORCEMENT

CONCRETE EXPOSURE	CONCRETE EXPOSURE CLASS		
	N, N-CF	F-1, F-2, S-1, S-2	C-XL, C-1, C-3
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	N/A	75 (3")	75 (3")
CAST AGAINST VAPOUR BARRIER OR RIGID INSULATION	50 (2")	50 (2")	60 (2 1/4")
EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR 20M OR LARGER	N/A	50 (2")	60 (2 1/4")
EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR 10M AND 15M	N/A	40 (1 1/2")	60 (2 1/4")
BEAMS, GIRDERS, AND COLUMNS	30 (1 1/4")	N/A	N/A
SLABS AND WALLS	20 (3/4")	N/A	N/A

8. STRUCTURAL MASONRY
   - 8.1. CONFORM TO CSA A371: “MASONRY CONSTRUCTION FOR BUILDINGS” AND CSA S304.1: “DESIGN OF MASONRY STRUCTURES”.
   - 8.2. MASONRY CONTRACTOR TO BE A MEMBER OF THE CANADIAN MASONRY CONTRACTORS ASSOCIATION WHO HAS EXTENSIVE EXPERIENCE IN ALL ASPECTS OF REINFORCED MASONRY CONSTRUCTION METHODS. SUBMIT PROOF OF SUCCESSFUL COMPLETION OF 5 SIMILAR PROJECTS WITHIN THE PAST 5 YEARS.
   - 8.3. SUBMIT WRITTEN COLD-WEATHER CONSTRUCTION AND PROTECTION PROCEDURE FOR REVIEW WHEN MASONRY WORK IS TO PROCEED AT AMBIENT AIR TEMPERATURES AT OR BELOW 5° C.
   - 8.4. MATERIALS:
     - 8.4.1. CONCRETE BLOCK: CSA A165.1 - H/15/A/M
     - 8.4.2. MORTAR: CSA A179 - TYPE S, 1:1/2:4 (CEMENT : LIME : FINE AGGREGATE, BY VOLUME)
     - 8.4.3. GROUT:
       - 8.4.3.1. 140 (6") UNITS: CSA A179 - FINE GROUT, 1:3 (CEMENT : FINE AGGREGATE, BY VOLUME)
       - 8.4.3.2. 190 (8") AND LARGER UNITS: CSA A179 - COARSE GROUT, 1:3:2 (CEMENT : FINE AGGREGATE : COARSE AGGREGATE, BY VOLUME), SLUMP 200 - 275 mm (8"-11")
   - 8.5. UNLESS NOTED OTHERWISE, LAY UNITS IN RUNNING BOND. ALL FACE SHELLS TO BE FULLY BEDDED.
   - 8.6. DO NOT USE MORTAR WHERE GROUT IS SPECIFIED.
   - 8.7. GROUTED AND/OR REINFORCED MASONRY:
     - 8.7.1. DO NOT ALLOW OVER-HANGING MORTAR OR DEBRIS INSIDE MASONRY CELLS TO BE REINFORCED.
9. STRUCTURAL STEEL
   - 9.1. CONFORM TO CAN/CSA S16: “LIMIT STATES DESIGN OF STEEL STRUCTURES”
   - 9.2. FABRICATOR SHALL BE CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2.
   - 9.3. MATERIALS:
     - 9.3.1. WIDE FLANGE SECTIONS: CAN/CSA G40.21 , 350W
     - 9.3.2. CHANNELS, ANGLES: CAN/CSA G40.21, 300W
     - 9.3.3. PLATES, BARS: CAN/CSA G40.21, 300W
     - 9.3.4. HOLLOW STRUCTURAL SECTIONS: CAN/CSA G40.21, 350W (CLASS 'C') OR ASTM A500, 345MPa (GRADE 'C')
     - 9.3.5. BOLTS: ASTM A325M, UNLESS NOTED
     - 9.3.6. WELDING: CAN/CSA W59
   - 9.4. SUBMIT SHOP DRAWINGS INCLUDING ERECTION DRAWINGS AND SHOP DETAIL DRAWINGS. ALL SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO RETAINED BY THE CONTRACTOR TO BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. SHOW ON STEEL SHOP DRAWINGS: MEMBER SIZES, MATERIAL SPECIFICATIONS, SPLICES, AND SHOP / FIELD CONNECTIONS.
   - 9.5. SUBMIT MILL TEST REPORTS/CERTIFICATES FOR ALL MEMBERS WHEN REQUESTED.
   - 9.6. DESIGN CONNECTIONS TO CONFORM TO CAN/CSA S16 AND/OR CAN/CSA S136 TO RESIST THE REACTION RESULTING FROM THE ULTIMATE FACTORED MOMENT RESISTANCE OF THE MEMBER. USE DOUBLE-HEADER ANGLES AND HIGH STRENGTH BOLTS. SINGLE-HEADER CONNECTIONS ARE ONLY PERMITTED ON W200 OR SMALLER SECTIONS.
   - 9.7. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
   - 9.8. SHOP PAINTING
     - 9.8.1. CLEAN ALL MEMBERS TO SSPC-SP2 HAND TOOL CLEANING UNLESS OTHERWISE NOTED.
     - 9.8.2. PREPARE SURFACE AND PROVIDE SHOP PAINT TO CISC/CPMA STANDARD 1-73a, EXCEPT: SURFACES TO RECEIVE SPRAY APPLIED FIREPROOFING, SURFACES ENCASED IN CONCRETE, SURFACES TO RECEIVE FIELD INSTALLED SHEAR STUD CONNECTIONS, SURFACES AND EDGES TO BE FIELD WELDED, FAYING SURFACES OF SLIP-CRITICAL CONNECTIONS, SURFACES TO RECEIVE FINISH TOP COAT, SURFACES TO BE HOT-DIPPED GALVANIZED, AND SURFACES RECEIVE ZINC-RICH PRIMER.
     - 9.8.3. PREPARE SURFACE AND PROVIDE SHOP PRIMER TO CISC/CPMA STANDARD 2-75 TO MEMBERS RECEIVING FINISH TOP COAT. REFER TO THE ARCHITECTURAL DRAWINGS.
     - 9.8.4. TOUCH-UP PAINT AFTER ERECTION.
10. POST-INSTALLED ANCHORS AND DOWELS
   - 10.1. USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURERS' RECOMMENDATIONS. HOLE DIAMETERS ARE NOT TO EXCEED THOSE REQUIRED BY MANUFACTURER. NOTIFY THE CONSULTANT IMMEDIATELY OF ANY DEVIATIONS.
   - 10.2. SUBMIT ALL PROPOSED SUBSTITUTIONS FOR REVIEW AT THE BEGINNING OF THE WORK.
   - 10.3. DO NOT INSTALL ANCHORS UNTIL THE SUBSTRATE HAS CURED FOR A MINIMUM OF 7 DAYS, OR AS DIRECTED BY THE MANUFACTURER, WHICHEVER IS LONGER.
   - 10.4. DO NOT LOAD ANCHORS UNTIL THE SUBSTRATE HAS REACHED THE SPECIFIED 28 DAYS STRENGTH.
   - 10.5. MECHANICAL:
     - 10.5.1. UNLESS OTHERWISE NOTED, MECHANICAL ANCHORS ARE TO BE HILTI KIWK BOLT III WITH STANDARD EMBEDMENT DEPTH. SOLID GROUT MASONRY CORES TO ACCEPT ANCHORS AS REQUIRED.
   - 10.6. ADHESIVE:
     - 10.6.1. ANCHORS AND REINFORCING BAR DOWELS EMBEDDED INTO CONCRETE ARE TO BE WITH HILTI HIT-HY 200 ADHESIVE.
     - 10.6.2. ANCHORS EMBEDDED INTO MASONRY ARE TO BE WITH HILTI HIT-HY 270 ADHESIVE. SOLID GROUT MASONRY CORES TO ACCEPT ANCHORS AS REQUIRED.
     - 10.6.3. DO NOT LOAD ANCHORS UNTIL THE ADHESIVE HAS CURED FOR A MINIMUM OF 24 HOURS.
     - 10.6.4. REFER TO MANUFACTURER'S REQUIREMENTS FOR ACCEPTABLE CURING TEMPERATURES AND CONDITIONS.
   - 10.7. GALVANIZED ANCHORS ARE TO BE HOT DIPPED GALVANIZED, NOT ZINC PLATED.
   - 10.8. ARRANGE FOR A MANUFACTURER'S TECHNICAL REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL THE PRODUCTS SPECIFIED, AND CONDITIONS ENCOUNTERED (E.G. HORIZONTAL, INCLINED, OVERHEAD). SUBMIT RECORD OF TRAINING LISTING ALL TRAINED PERSONNEL WHEN REQUESTED BY THE CONSULTANT.
   - 10.9. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS. SCAN THE STRUCTURE TO LOCATE REINFORCEMENT PRIOR TO FABRICATING STRUCTURAL STEEL FASTENED BY DRILLED ANCHORS.
   - 10.10. WHEN OBSTRUCTIONS PREVENT DRILLING HOLES IN SPECIFIED LOCATIONS TO THE REQUIRED DEPTH, RELOCATE AT NO EXTRA COST TO THE CONTRACT. OBTAIN CONSULTANT'S APPROVAL OF NEW LOCATIONS BEFORE DRILLING HOLES. FILL ALL ABANDONED HOLES WITH MIN. 30MPa GROUT. DO NOT TIGHTEN ANCHORS UNTIL GROUT IN ADJACENT ABANDONED HOLES REACHES 75% f'c.
   - 10.11. DO NOT BEND POST INSTALLED DOWELS AFTER INSTALLATION.
11. FOUNDATIONS
   - 11.1. STRUCTURAL DESIGN IS BASED ON THE SOILS REPORT PREPARED BY: ENGLOBE, REPORT NUMBER: 02112611, DATED: JANUARY 2022.
   - 11.2. REFER TO SOILS REPORT FOR INFORMATION ON GEOTECHNICAL CONDITIONS, FOUNDATION RECOMMENDATIONS, AND FOR ALL EARTHWORK INCLUDING EXCAVATION, BACKFILL, AND SUBGRADE PREPARATION. ALSO REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
   - 11.3. CONSTRUCT ALL FOOTINGS ON STRATA CAPABLE OF SUPPORTING THE FOLLOWING DESIGN BEARING PRESSURES:
     - 11.3.1. ULTIMATE LIMIT STATE: 350 kPa
     - 11.3.2. SERVICEABILITY LIMIT STATE: 150 kPa
   - 11.4. BEARING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE ANTICIPATED MINIMUM DEPTHS. FINAL BEARING ELEVATIONS AND CAPACITY MUST BE REVIEWED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO CONSTRUCTING FOOTINGS. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS TO BE REVIEWED WITH THE STRUCTURAL CONSULTANT PRIOR TO PLACING FORMWORK.
   - 11.5. LOCATE ALL EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION.
   - 11.6. UNLESS OTHERWISE APPROVED BY THE GEOTECHNICAL CONSULTANT, THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR TRENCHES SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10.
   - 11.7. KEEP EXCAVATION DRAINED AND FREE OF WATER AT ALL TIMES. REFER TO GEOTECHNICAL REPORT FOR REQUIRED DEWATERING PROCEDURES.
   - 11.8. PROTECT FOOTINGS, WALLS, SLABS-ON-GRADE AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION. DO NOT PLACE CONCRETE AGAINST FROZEN EARTH.
   - 11.9. FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 300 MM (1'-0") FROM ONE SIDE TO THE OTHER.
12. DESIGN DATA (NEW STRUCTURE)
   - 12.1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 SUPPLEMENTED BY THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B).
   - 12.2. CLIMATIC LOCATION: NORTH BAY, ONTARIO
   - 12.3. IMPORTANCE CATEGORY: NORMAL
   - 12.4. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ARE SPECIFIED (UNFACTORED). FOR POINT LOADS, IF ONLY ONE LOAD IS GIVEN, CONSIDER IT LIVE LOAD.
   - 12.5. SNOW LOADS
     - 12.5.1. SPECIFIED SNOW LOAD = Is [Ss (Cb Cw Cs Ca) + Sr] = (1.0) [(2.2) (0.8)(1.0)(1.0)(1.0) + 0.4] = 2.2 kPa
   - 12.6. WIND LOADS
     - 12.6.1. q50 = 0.34 kPa
     - 12.6.2. Ce = 0.70 (SHELTERED)
   - 12.7. SEISMIC LOADS
     - 12.7.1. SEISMIC SITE CLASSIFICATION: C
     - 12.7.2. SEISMIC FORCE RESISTING SYSTEM (SFRS, Rd / Ro): UNREINFORCED MASONRY, 1.0 / 1.0
     - 12.7.3. DESIGN SPECTRAL ACCELERATION VALUE: Ie F(0.2) Sa(0.2) = (1.0) (1.0)(0.247) = 0.247
       - 12.7.3.1. SEISMIC RESTRAINT OF NON-STRUCTURAL COMPONENTS AND EQUIPMENT IS NOT REQUIRED PER 4.1.8.18.

ABBREVIATIONS

Af	FACTORED AXIAL LOAD +/- (TENSION / COMPRESSION)
ALT	ALTERNATE
ARCH	ARCHITECTURAL CONTRACT DOCUMENTS
B, BOT	BOTTOM
BEW	BOTTOM EACH WAY
BLL	BOTTOM LOWER LAYER
BM	BEAM
BOF	BOTTOM OF FOOTING
BUL	BOTTOM UPPER LAYER
CA	COLUMN ABOVE
CB	COLUMN BELOW
C/C, O/C	CENTRE-TO-CENTRE, ON CENTRE
CANT	CANTILEVER
CJ	CONTROL JOINT
CL	CENTRE LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNT	STEEL DECK CORE NOMINAL THICKNESS
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
C/W	COMPLETE WITH
D	SERVICE DEAD LOAD
DAA	DRILLED ADHESIVE ANCHOR
DO	DO OVER
DMA	DRILLED MECHANICAL ANCHOR
DP	DEEP
DWG	DRAWING
DWLS	DOWELS
E	EARTHQUAKE LOAD
EA	EACH
ECR	EPOXY-COATED REINFORCEMENT
EJ, EXP JT	EXPANSION JOIN
EL, ELEV	ELEVATION
EQ	EQUAL
EX, EXIST	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GL	GRID LINE
H, HORIZ	HORIZONTAL
HEF	HORIZONTAL EACH FACE
HIF	HORIZONTAL INSIDE FACE
HOF	HORIZONTAL OUTSIDE FACE
H1	STANDARD HOOK ONE END
HH	STANDARD HOOK EACH END
HT	HEIGHT
INT	INTERIOR
JT	JOINT
L	SERVICE LIVE LOAD
LG	LONG
LL	LOWER LEVEL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LW	SPANNING LONG WAY
Mf	FACTORED MOMENT
▶ XX	MOMENT CONNECTION WITH FACTORED DESIGN MOMENT NOTED
MAX	MAXIMUM
MECH	MECHANICAL CONTRACT DOCUMENTS
MID	MIDDLE
MIN	MINIMUM
MJ	MOVEMENT JOINT
MTf	FACTORED TORSIONAL MOMENT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
PL	PLATE
PT	PRESSURE-TREATED
REINF	REINFORCED / REINFORCEMENT
S	SERVICE SNOW LOAD
SDL	SERVICE SUPER-IMPOSED DEAD LOAD
SIM	SIMILAR
SLS	SERVICE LIMIT STATE
SOG	SLAB ON GRADE
SPEC	SPECIFICATIONS
STAG	STAGGERED
STL	STEEL
SW	SPANNING SHORT WAY
T	TOP
TEW	TOP EACH WAY
THK	THICK
THRU	THROUGH
TJ	TIE JOIST
TLL	TOP LOWER LAYER
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TUL	TOP UPPER LAYER
TYP	TYPICAL UNLESS OTHERWISE NOTED
UL	UPPER LEVEL
ULS	ULTIMATE LIMIT STATE
U/N	UNLESS NOTED
U/S	UNDERSIDE
V, VERT	VERTICAL
VEF	VERTICAL EACH FACE
VIF	VERTICAL INSIDE FACE
VOF	VERTICAL OUTSIDE FACE
VSC	VERTICAL SLOTTED CONNECTION
W	SERVICE WIND LOAD
WP	WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
ZRP	ZINC-RICH PRIMER



- CONFIRM EXIST. SLAB THICKNESS PRIOR TO CUTTING.
- INFILL WITH 25 MPa CONCRETE, MAX. W/C RATIO = 0.45 UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
- PROVIDE CONTRACTION JOINTS IN NEW CONCRETE WHEN w > 2400 (8'-0")

TDC23 **TRENCHING IN EXISTING CONCRETE SLAB-ON-GRADE**

STEEL LINTELS IN MASONRY PARTITION WALLS		
MASONRY UNIT	WIDTH OF OPENING	STEEL MEMBERS
90 (4") INCL. BRICK	0 - 1200 (4'-0") 1200 (4'-0") - 1800 (6'-0") 1800 (6'-0") - 2400 (8'-0") 2400 (8'-0") - 3000 (10'-0")	L89x89x6.4 L127x89x6.4 (LLV) L127x89x6.4 (LLV) L152x89x9.5 (LLV)
140 (6")	0 - 1200 (4'-0") 1200 (4'-0") - 1800 (6'-0") 1800 (6'-0") - 2400 (8'-0")	2-L64x64x6.4 2-L89x64x6.4 (LLV) 2-L89x64x7.9 (LLV) +100x10 PLATE @ U/S
190 (8")	0 - 1200 (4'-0") 1200 (4'-0") - 1800 (6'-0") 1800 (6'-0") - 2400 (8'-0") 2400 (8'-0") - 3000 (10'-0")	2-L89x89x6.4 2-L89x89x6.4 2-L102x89x7.9 (LLV) 2-L152x89x7.9 (LLV)
240 (10")	0 - 1200 (4'-0") 1200 (4'-0") - 1800 (6'-0") 1800 (6'-0") - 2400 (8'-0") 2400 (8'-0") - 3000 (10'-0")	2-L102x102x6.4 2-L102x102x6.4 2-L152x102x7.9 (LLV) 2-L152x102x7.9 (LLV)
290 (12")	0 - 1200 (4'-0") 1200 (4'-0") - 1800 (6'-0") 1800 (6'-0") - 2400 (8'-0") 2400 (8'-0") - 3000 (10'-0")	3-L89x89x6.4 3-L89x89x6.4 3-L102x89x7.9 (LLV) 3-L127x89x7.9 (LLV)

- OPENINGS IN NON-LOAD BEARING MASONRY WALLS ARE NOT NECESSARILY SHOWN ON THE STRUCTURAL DRAWINGS.
- CONNECT MULTIPLE ANGLES TOGETHER WITH 6mm (1/4") WELDS x 50mm (2") LONG @ 400mm (16") C/C TOP AND BOTTOM.
- BEAR EACH END OF LINTEL ON 150mm (6") SOLID GROUTED MASONRY. SOLID GROUT PIERS LESS THAN 600mm (24") WIDE FULL HEIGHT.
- CONNECT LINTELS TO STEEL COLUMNS OR CONCRETE WALLS/COLUMNS WHERE END OF LINTEL IS LESS THAN 400mm (16"). CONNECTION DETAIL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- LLV = LONG LEG VERTICAL

TDM03 **STEEL LINTELS IN NON-LOAD BEARING MASONRY PARTITIONS**

ISSUED FOR PERMIT AND TENDER 04/19/2023

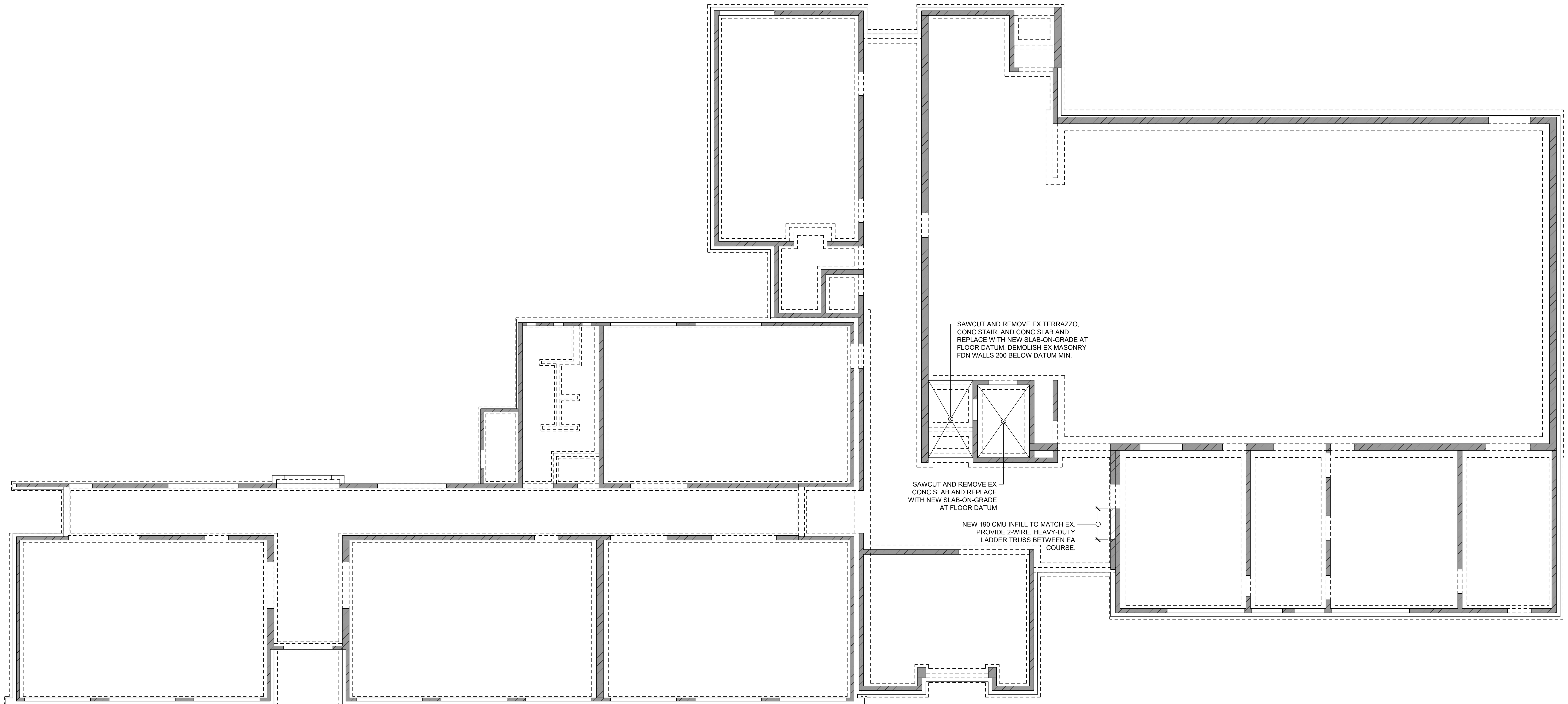
LICENSED PROFESSIONAL ENGINEER 2023.04.19 S.W. CAIRNS PROVINCE OF ONTARIO

A2S consulting engineers
201-289 Cedar St., Sudbury, Ontario, P3B 1M8
(705) 222 0420 http://www.a2s.ca info@a2s.ca

project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: GENERAL NOTES AND TYPICAL DETAILS

drawn by: SWC	checked by: AJD
scale: 1:100	project no: 22001A
date plotted: APRIL 19, 2023	
revision date: APRIL 19, 2023	
dwg no: **S1.1**	



FOUNDATION AND FLOOR PLAN

SCALE: 1:100

FOUNDATION AND FLOOR PLAN NOTES

1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS ON DRAWING S1.1.
2. FLOOR DATUM ELEVATION IS 0.
3. SET BOTTOM OF COLUMN AND WALL FOOTINGS (BOF) TO MATCH EXISTING FOOTINGS (ASSUMED -1875 FROM DATUM). DO NOT UNDERMINE EXISTING FOOTINGS.
4. GROUT BEARING PLATES PRIOR TO PLACING LOADS ON THE STRUCTURE.
5. CONCRETE SLABS-ON-GRADE:
   - 5.1. PROVIDE 100 (4”) THICK CONCRETE SLAB-ON-GRADE REINFORCED WITH 152x152 MW18.7/MW18.7 (6x6 6/6) WELDED WIRE FABRIC (W.W.F) PLACED 50 (2”) BELOW TOP OF SLAB ON CONCRETE CHAIRS SPACED AT 600 (24”) CENTRES. PROVIDE 150 (6”) LAPS PLUS OVERHANGS FOR ALL REINFORCEMENT. PROVIDE ENGINEERED BACKFILL COMPACTED IN 150 LIFTS TO 100% SPMDD OVER COMPETENT NATIVE SOILS REVIEWED AND APPROVED BY A GEOTECHNICAL ENGINEER.

04/19/2023 ISSUED FOR PERMIT AND TENDER

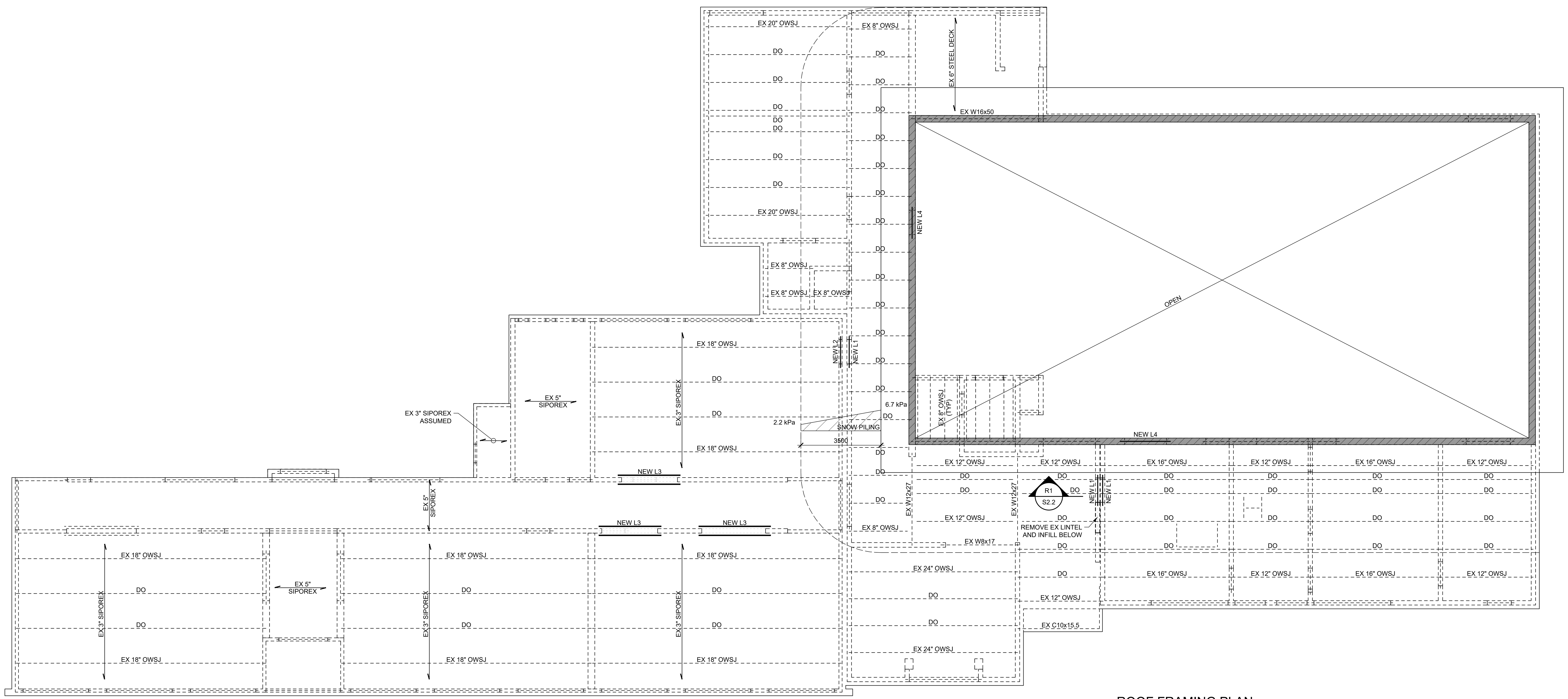
LICENSED PROFESSIONAL ENGINEER
2023.04.19
S.W. CAIRNS
PROVINCE OF ONTARIO

A2S consulting engineers
201-289 Cedar St., Sudbury, Ontario, P3B 1M8
(705) 222 0420 http://www.a2s.ca info@a2s.ca

project:
SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title:
FOUNDATION AND FLOOR PLAN

drawn by:	checked by:
SWC	AJD
scale:	project no:
1:100	22001A
date plotted:	
APRIL 19, 2023	
revision date:	
APRIL 19, 2023	
dwg no:	
S2.1	



ROOF FRAMING PLAN

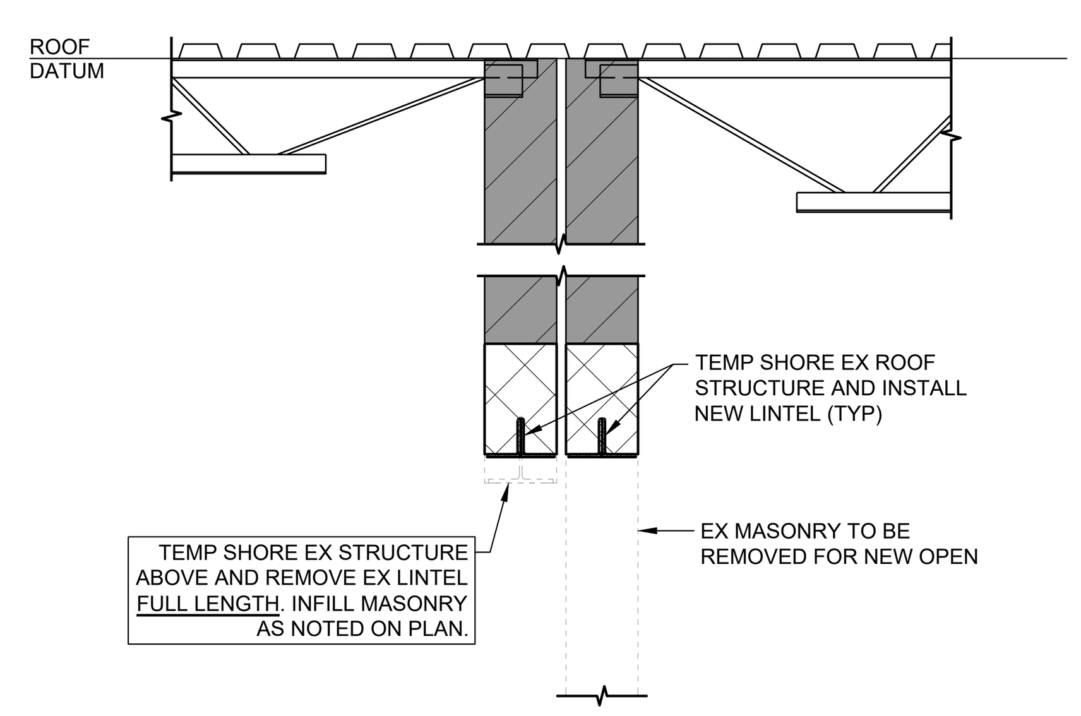
SCALE: 1:100

ROOF PLAN NOTES

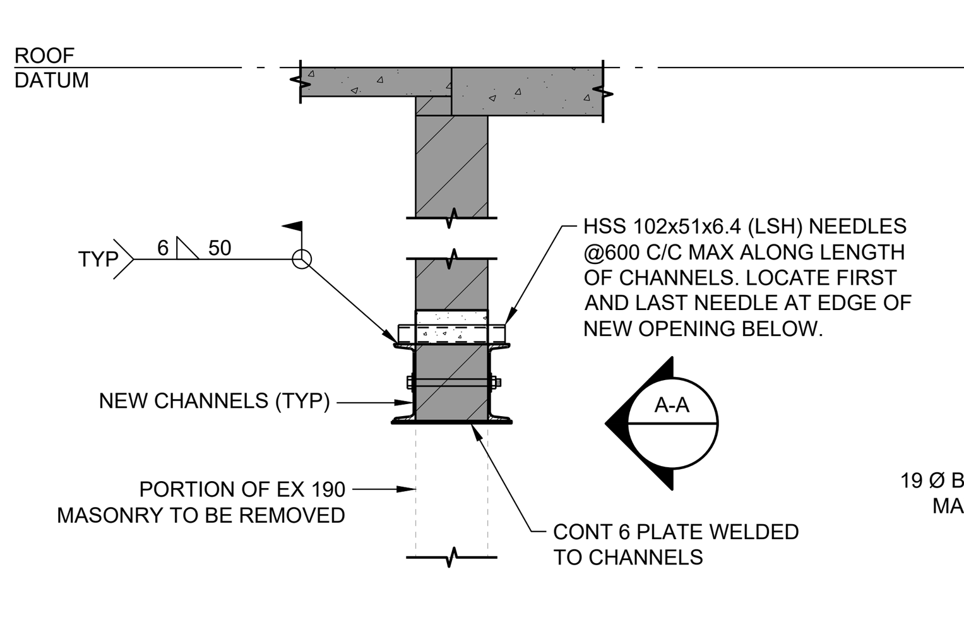
1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS ON DRAWING S-1.1.
2. ROOF DATUM ELEVATION IS 3700(±).
3. DESIGN LOADS (NEW STRUCTURE):
   - 3.1. SUPER-IMPOSED DEAD LOAD (kPa):

ROOFING -	0.6
MECHANICAL -	0.3
CEILING + ELEC. -	0.2
	1.1 kPa

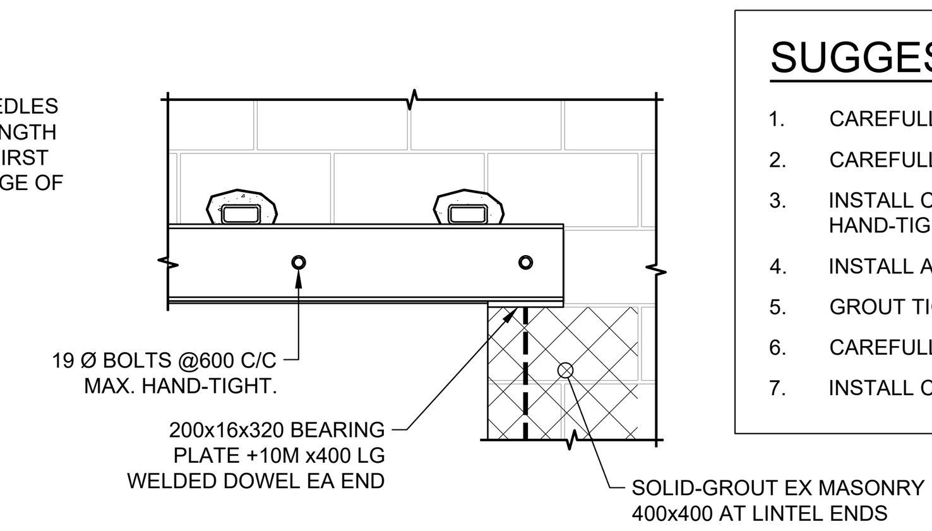
   - 3.2. MINIMUM DESIGN SNOW LOAD ON ROOF IS 2.2 kPa. SNOW PILING AREAS ARE NOTED ON PLAN.



R1
S2.2
1:20



PD01
S2.2
1:20



A-A
1:20

SUGGESTED DOUBLE-CHANNEL LINTEL PROCEDURE

1. CAREFULLY DRILL AND CHIP OPENINGS IN EXISTING MASONRY TO INSTALL NEEDLES.
2. CAREFULLY DRILL AND CHIP OPENINGS IN EXISTING MASONRY TO INSTALL BEARING PLATES.
3. INSTALL CHANNELS ON EACH SIDE OF THE EXISTING MASONRY AND BOLT IN PLACE. BOLTS ARE TO BE HAND-TIGHT.
4. INSTALL AND WELD NEEDLES TO TOP FLANGE OF CHANNELS.
5. GROUT TIGHT AROUND NEEDLES AND ALLOW GROUT TO HARDEN FOR MINIMUM 24 HOURS.
6. CAREFULLY REMOVE MASONRY WALL TO UNDERSIDE OF CHANNELS.
7. INSTALL CONTINUOUS STEEL PLATE TO BOTTOM FLANGES OF STEEL CHANNELS.

LINTEL SCHEDULE

LINTEL	MEMBER(S)	ORIENTATION	WALL	BEARING LENGTH	NOTES
L1	2-L102x89x7.9	⅃L	190 CMU	150	LONG LEG VERT
L2	2-L89x64x7.9 +BRICK LINTEL	⅃LL	140 CMU + 90 BRICK	150	LONG LEG VERT
L3	2-C200x17	] [	190 CMU		REFER TO PD01/S2.2
L4	W200x27 +CONT 10 PLATE	I	290 CMU	200	SOLID GROUT MASONRY OVER LINTEL PLATE WIDTH = 270

LINTEL SCHEDULE NOTES

1. VERIFY EXISTING WALL THICKNESS AND CONSTRUCTION PRIOR TO FABRICATING LINTELS. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES.
2. UNLESS OTHERWISE NOTED:
   - 2.1. SET UNDERSIDE OF LINTELS AT HEADS OF OPENINGS. REFER TO ARCHITECTURAL.
   - 2.2. REFER TO TYPICAL DETAILS FOR LINTELS IN BRICK VENEER (NON-LOADBEARING MASONRY).
   - 2.3. SOLID-GROUT MASONRY 2 FULL COURSES MINIMUM x 600 (24") WIDE BELOW BEARING POINTS. FORM AND SOLID-GROUT FROG-ENDS AND/OR PARTIALLY EXPOSED CORES.
   - 2.4. EXTEND CONTINUOUS PLATES FULL LENGTH OF LINTEL. WELD TO FULLY DEVELOP THE PLATE.
3. WELD TOGETHER BACK-TO-BACK ANGLES AND PLATES TO LINTELS.
4. TEMPORARILY SHORE MASONRY OVER OPENINGS TO FACILITATE INSTALLATION.

04/19/2023 ISSUED FOR PERMIT AND TENDER

LICENSED PROFESSIONAL ENGINEER
2023.04.19
S.W. CAIRNS
PROVINCE OF ONTARIO

A2S consulting engineers

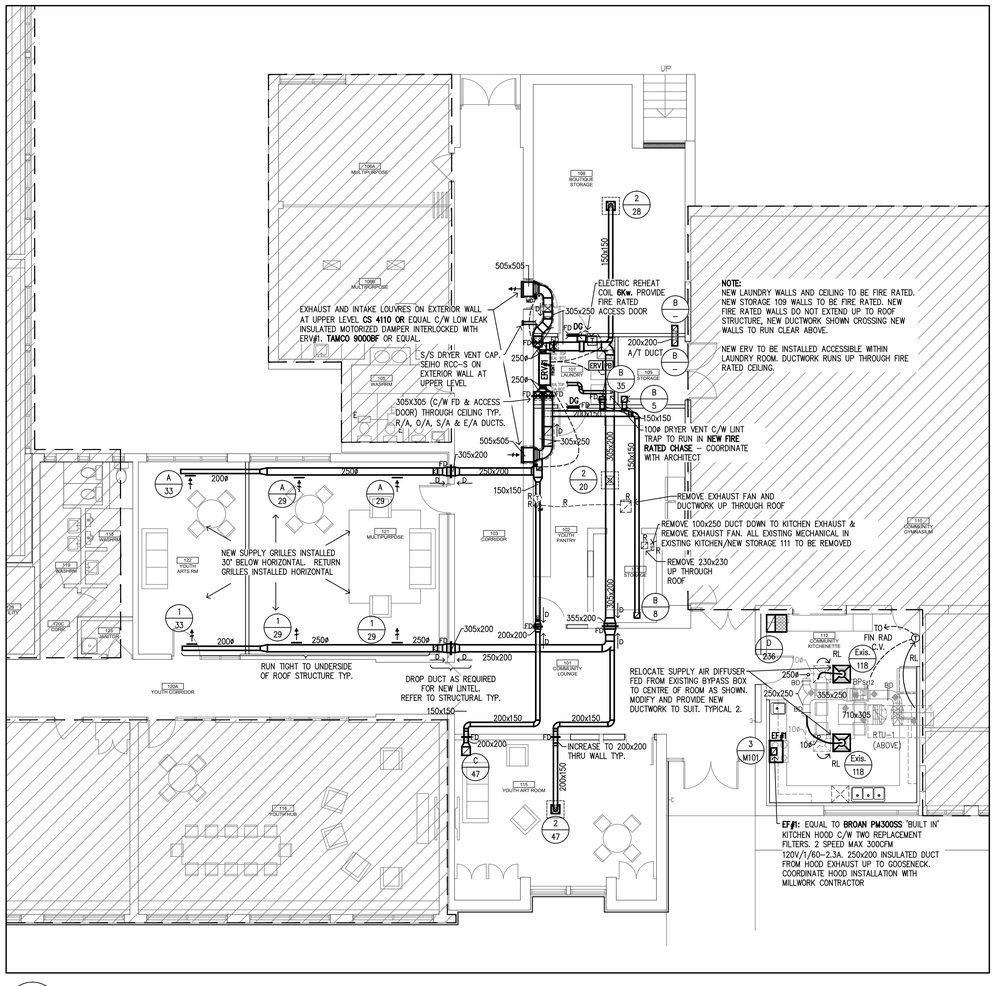
project: SINGLE SITE REDEVELOPMENT
CHILDREN'S AID SOCIETY OF NIPISSING & PARRY SD
140 ELMWOOD AVENUE
NORTH BAY, ONTARIO

title: ROOF FRAMING PLAN

drawn by: SWC	checked by: AJD
scale: 1:100	project no: 22001A
date plotted: APRIL 19, 2023	
revision date: APRIL 19, 2023	
dwg no: S2.2	

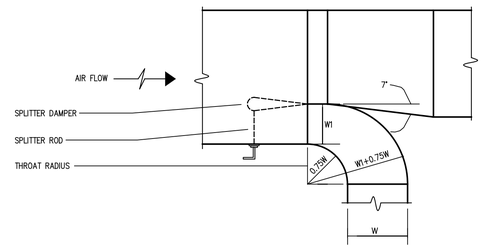
MECHANICAL LEGEND

HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
	CAPPED PIPING
	PIPE RISER
	PIPE DROP
	COMBINATION PIPE RISE AND DROP
T	THERMOSTAT, ELECTRIC
T	TEMPERATURE SENSOR
ERV	ERV CONTROLLER
PB	20/40/60 PUSH BUTTON OVERRIDE
	BALANCING VALVE
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	THERMOMETER
AAV	AUTOMATIC AIR VENT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
RD	ROOF DRAIN
	UNION
CO	CLEAN OUT
CO	CLEAN OUT AT FLOOR LEVEL
	EXPANSION LOOP
	FLEXIBLE CONNECTOR
CUH#1	CABINET UNIT HEATER
12"x12"	DUCT WITH DIMENSIONS
	EXHAUST/RETURN GRILLE OR REGISTER
	SUPPLY GRILLE OR REGISTER
	THERMALLY INSULATED DUCT
	ACCOUSTICALLY LINED DUCT
D	CHANGE OF ELEVATION– RISE(R), DROP(D)
MD	MOTORIZED DAMPER
FD AD	FIRE DAMPER (PROVIDE ACCESS DOOR)
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRCULATION PIPING
	SANITARY SEWER BELOW
	SANITARY SEWER ABOVE
S	STORM SEWER BELOW GRADE
S	STORM SEWER ABOVE GRADE
	TRAP
FHC	FIRE HOSE CABINET
FE	FIRE EXTINGUISHER
	CEILING DIFFUSER, GRILLE OR REGISTER RECTANGULAR
	CONTROL VALVE
	FIN RADIATION IN ENCLOSURE
A B C	RADIATION SYMBOL A– TYPE, B– LENGTH (m), C– OUTPUT (kW) * – INDICATES TO MOUNT AT HIGH LEVEL
X XX	AIR TERMINAL DESIGNATION X – TYPE, XX – AIR VOLUME (L/s)
	SELF CONTAINED THERMOSTATIC CONTROL VALVE
R	EXISTING DEVICE TO BE REMOVED
RL	EXISTING DEVICE TO BE RELOCATED
E	EXISTING DEVICE TO REMAIN
ER	EXISTING DEVICE TO BE REPLACED
AFF	CENTERLINE OF DEVICE MOUNTING HEIGHT ABOVE FINISHED FLOOR



1 M101 Ventilation - Partial Floor Plan

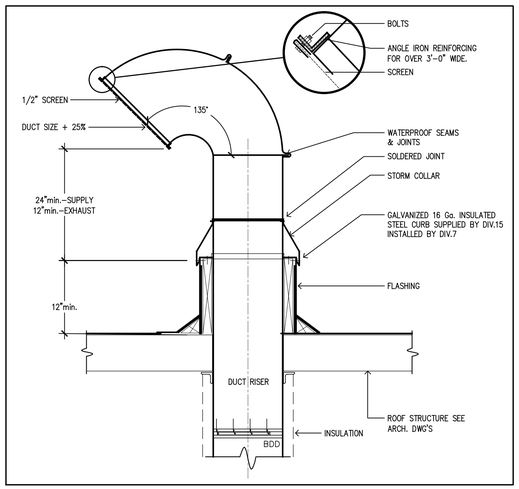
1:100



NOTE:
THIS FITTING IS TO BE USED IN HORIZONTAL AND VERTICAL PLANES. PROVIDE POSITION–LOOKING FOR VERTICAL SPLITTER ROD. SEE SPEC. 15891 DUCTWORK DIFFUSER BLADE DAMPERS NOT TO BE USED FOR BALANCING.

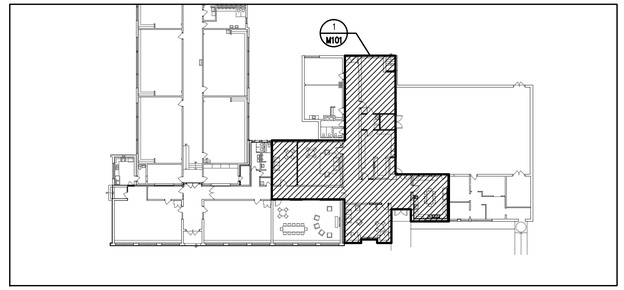
2 M101 Large Duct Take-Off Detail

N.T.S.



3 M101 Intake / Exhaust Gooseneck Detail

NTS



Key Plan

N.T.S.

MECHANICAL GENERAL NOTES:

1. RUN ¾" DOMESTIC HOT WATER LINE TO DISHWASHER UNDER COUNTER. PROVIDE ROUGH BRASS DISHWASHER BRANCH AT ADJACENT SINK. EXTEND 1½" SANITARY LINE FROM DISHWASHER AND CONNECT ABOVE TRAP AT COUNTER SINK.
2. PROVIDE NEW SYMMONS LAUNDRY MATE #W602 "WASHING MACHINE VALVE & DRAIN FIXTURE" AT WASHING MACHINE (RELOCATED)
3. PRIME ALL FLOOR DRAINS TO COLD WATER PIPING AT NEAREST SINK OR TRAP PRIMER VALVE AS REQUIRED.
4. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
5. NEW AND REUSED PENETRATIONS THROUGH MASONRY OR CONCRETE TO BE SLEEVED.
6. REMOVE ALL UNUSED EQUIPMENT, PIPING, DUCTWORK ETC. CUT CAP AND MAKE SAFE.
7. VERIFY ALL POINTS OF CONNECTION TO EXISTING PLUMBING SERVICES PRIOR TO ROUGH–IN.
8. VERIFY THE HEATING ZONES AND PIPING MAINS THAT HAVE BEEN SHOWN PRIOR TO ANY TIE–INS OR SYSTEM DRAINING. REPORT BACK TO THE CONSULTANTS.
9. MAINTAIN PLUMBING SERVICES TO ALL EXISTING AND RELOCATED PLUMBING FIXTURES TO REMAIN. EXTEND PIPING AS REQUIRED.
10. REFER TO SPECIFICATION FOR LEAD FREE FIXTURE, VALVES, SOLDER ETC.
11. NEW AND REUSED PENETRATIONS THROUGH MASONRY OR CONCRETE TO BE SLEEVED.
12. PROVIDE CLEARANCE TO EQUIPMENT AS PER MANUFACTURERS' RECOMMENDATIONS.
13. PAINT/PATCH BARE WALL AFTER REMOVAL OR REPLACEMENT OF EXISTING THERMOSTATS, WALL SENSORS.
14. PATCH ALL OPENINGS AFTER MECHANICAL/ELECTRICAL REMOVALS.
15. NEW THERMOSTATS, TEMPERATURE SENSORS, OPERATOR INTERFACE CONTROLLERS, ETC. TO BE INSTALLED AT MAXIMUM HEIGHT OF 47" (1200mm) ABOVE FINISHED FLOOR. COORDINATE ON SITE WITH ALL OTHER TRADES PRIOR TO ROUGH–IN.
16. REFER TO DSS REPORT AND CARRY ALL COSTS REQUIRED TO PERFORM WORK.
17. MOTORIZED DAMPER AT LOUVRES / EXTERIOR WALL / BUILDING PENETRATIONS TO BE LOW LEAK INSULATED TYPE EQUAL TO TAMCO 9000BF, PARALLEL BLADE. MOTORIZED DAMPERS IN INTERIOR SPACES AND/OR FLOW CONTROL APPLICATIONS TO BE LOW LEAK NON–INSULATED EQUAL TO TAMCO 1000, OPPOSED BLADE.
18. **ROOF STRUCTURE IS SIPOREX.** ALL PIPING AND EQUIPMENT LOCATED AT THE CEILING TO BE SUPPORTED WITH CROSS MEMBERS ANCHOR'D INTO BLOCK WALLS – **DO NOT SUPPORT FROM U/S ROOF STRUCTURE.**

Energy Recovery Ventilator Schedule

No.	MODEL BY RENEWAIRE	ESP Pa ("WC)	SUPPLY AIR L/S (CFM)	EXHAUST AIR L/S (CFM)	FAN MOTOR Kw (HP)	POWER SUPPLY	FILTERS	NOTES
ERV#1	EV450	0.8	186 (394)	185 (392)	0.373 (0.5) ECM OPTION	120V 1P MOP: 15A	MERV 13	HORIZONTAL INSTALLATION C/W EC MOTOR OPTION & FUSED DISCONNECT. PROVIDE A NEPTRONIC DF C100H 6kW, 240V, 1PH ELECTRIC DUCT HEATER C/W BUILT IN SCR WITH NEPTRONIC STC8–11 REMOTE TEMPERATURE SENSOR, AIR PROVING SWITCH AND NEPTRONIC TRO24–EXT1 CONTROLLER WALL MOUNTED NEXT TO UNIT. UNIT TO OPERATE VIA 7 DAY 24Hr PROGRAMMABLE TIMECLOCK WITH 20/40/60 PUSHBUTTON FOR SORTING Rm. 109. COORDINATE WITH OWNER WHEN PROGRAMMING TIMECLOCK.

Diffuser and Grille Schedule

NO.	DESCRIPTION	MODEL BY NAILOR	SIZE NECK/OVERALL mm	NOTES
1	ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE	51DH	200x100	C/W OBD, ROUND DUCT ADAPTER AS REQUIRED. (NO OBSTRUCTION OF AIR WITHIN MAIN DUCT)
2	SQUARE ALUMINUM ARCHITECTURAL CEILING DIFFUSER	AUNI	150ø/305x305	TYPE PL PANEL MOUNTED IN T–BAR 24" CEILING MODULE C/W OBD
A	ALUMINUM FIXED BLADE RETURN GRILLE	5145H	200x100	C/W OBD, ROUND DUCT TAKE–OFF ADAPTER AS REQUIRED (NO OBSTRUCTION OF AIR WITHIN MAIN DUCT)
B	ALUMINUM EGGCRATE DUCTED RETURN GRILLE	51EC	200X200	C/W OBD, ROUND DUCT ADAPTER AS REQUIRED. COORDINATE CEILING WORK WITH OTHER TRADES AND PROVIDE NEW FIRE FLAP AS PER PLANS.
C	ALUMINUM EGGCRATE DUCTED RETURN GRILLE	51EC	305X305	C/W OBD, ROUND DUCT ADAPTER AS REQUIRED. COORDINATE CEILING WORK WITH OTHER TRADES.
D	ALUMINUM EGGCRATE RETURN GRILLE	51EC	610X305	C/W ACOUSTIC BOOT (NON DUCTED RETURN AIR GRILLE)
DG	FIRE RATED DOOR GRILLE	61DGD–FR	505x150	COORDINATE WITH OTHER TRADES

revision	date
1. Issued for Permit and Tender	19.04.2023

LICENSED PROFESSIONAL ENGINEER
APR 19/23
A. E. M. HOUSE
100532131
PROVINCE OF ONTARIO

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

project: Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Ellendale Avenue
North Bay, ON P1B 5G6

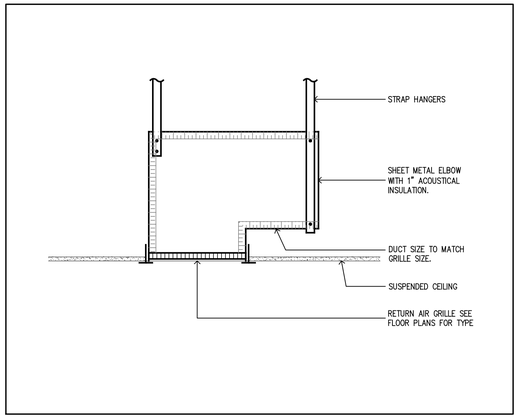
title: MECHANICAL VENTILATION FLOOR PLANS, LEGEND, NOTES AND DETAILS

drawn by:	checked by:
AL	AH
scale: AS NOTED	project no: 5981C

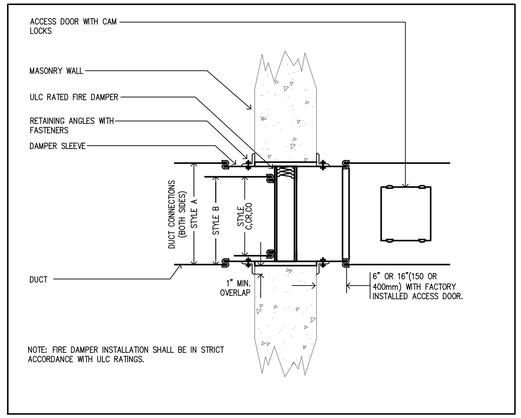
date plotted: **Apr. 19, 23**

date revised: APRIL 2023

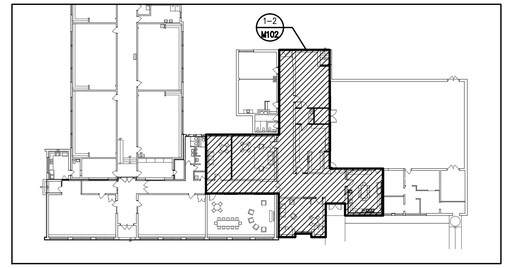
dwg no: **M101**



3 / M102 Return Air Grille With Insulated Boot (Typical - All Non-Ducted R.A. Grilles)
N.T.S.



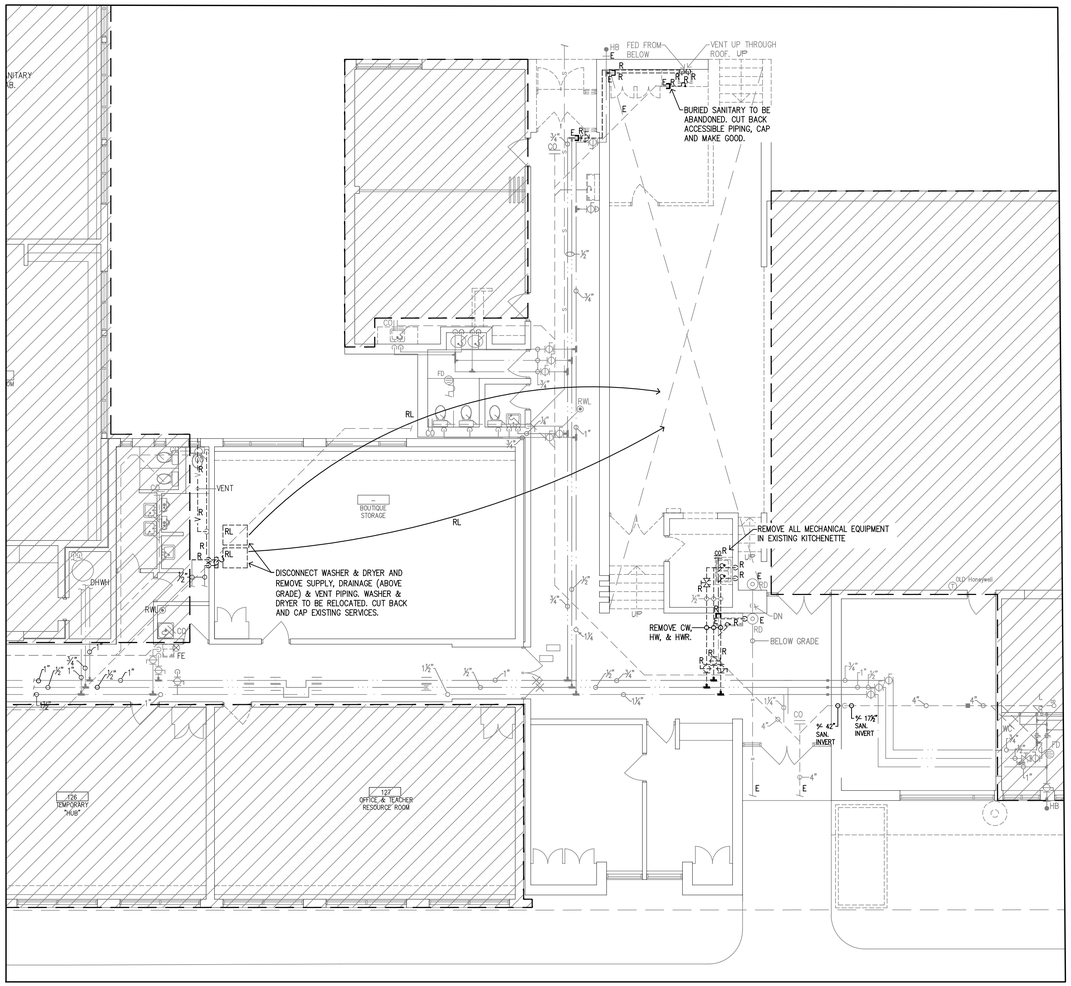
4 / M103 Fire Damper Installation Detail (Masonry Wall)
NTS



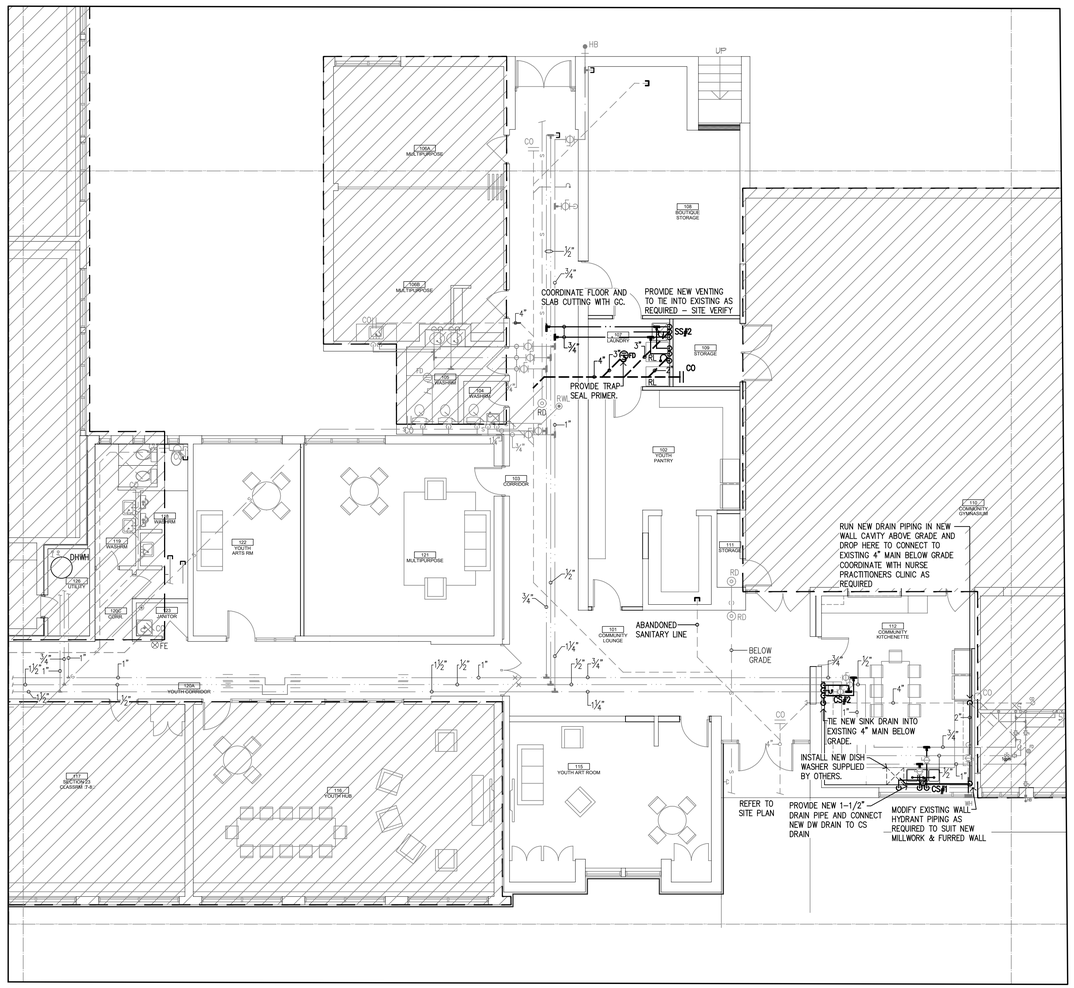
Key Plan
N.T.S.

Plumbing Fixture Schedule

FIXTURE	MARKED	DRAIN	VENT	H.W.	C.W.	COMMENTS
SERVICE SINK	SS	3"	1-1/2"	1/2"	1/2"	
COUNTER SINK	CS	1-1/2"	1-1/4"	1/2"	1/2"	
FLOOR DRAIN	FD	3"	1-1/2"	----	1/2"	FROM PRIMER



1 / M102 Plumbing - Partial Floor Plan - Demolition
1:100



2 / M102 Plumbing - Partial Floor Plan - New
1:100

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

no.	date	revision
1.	19.04.2023	Iss. ed for Permit and Tender

LICENSED PROFESSIONAL ENGINEER
APR 19/23
A. E. M. HOUSE
100532131
PROVINCE OF ONTARIO

detail no. / sheet no. where detailed
A / B

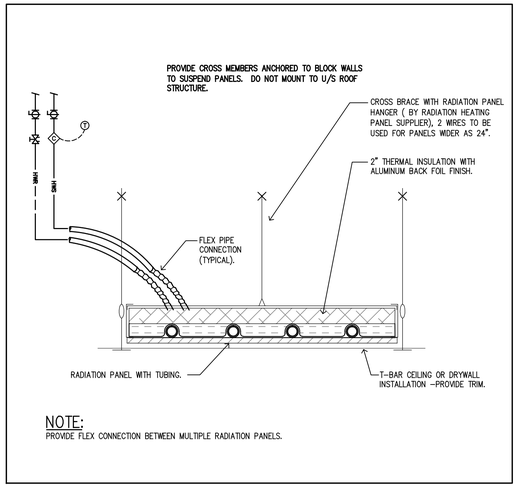
project: Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Ellendale Avenue
North Bay, ON P1B 5G6

title: MECHANICAL PLUMBING FLOOR PLANS

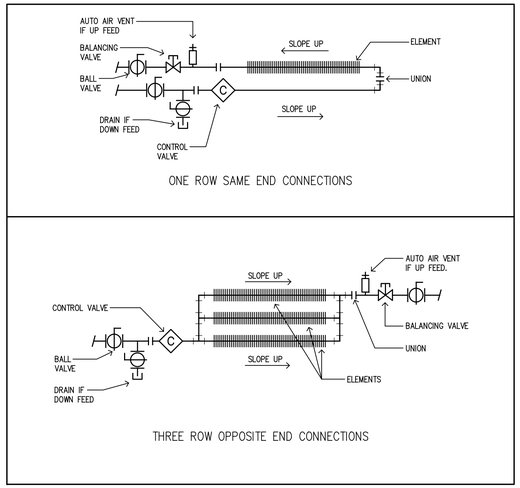
drawn by:	checked by:
AL	AH
scale: AS NOTED	project no: 5981C

date plotted: Apr. 19, 23
date revised: APRIL 2023

dwg no: M102



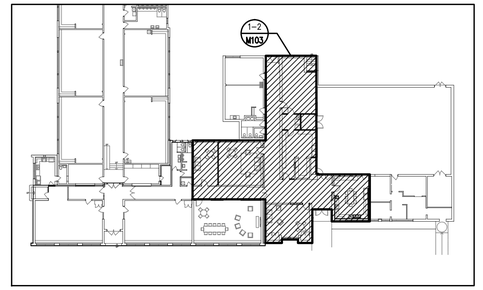
3 / M103 Ceiling Radiation Heating Panel Installation Detail
N.T.S.



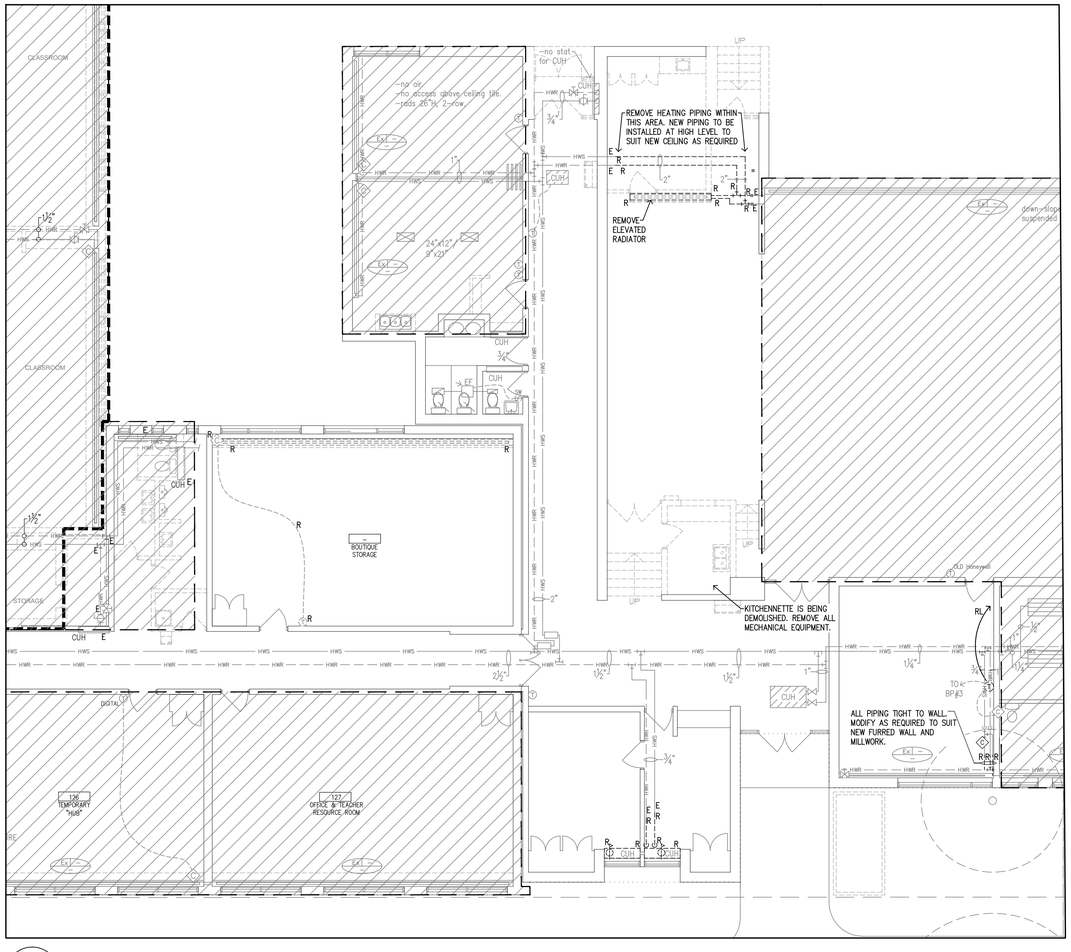
4 / M103 Radiation Element Piping Details
NTS

Fin Radiation Schedule

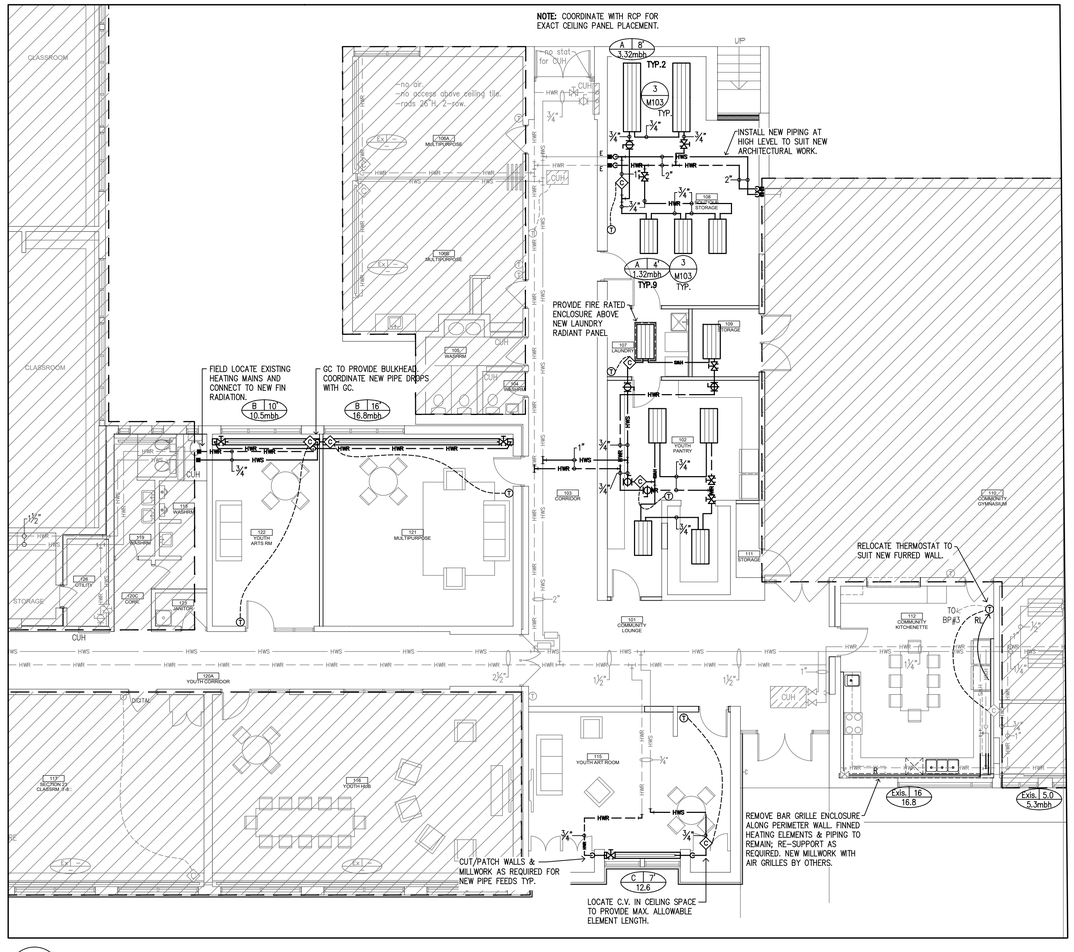
TYPE	DESCRIPTION	HEATING CAPACITY W/m @ 71°C MWT (BTU/ft @ 160°F MWT)
A	RADIANT ALUMINUM HEATING PANEL – 1220mm L x 610mm W (48" LONG x 24" WIDE) C/W 50mm (2") TOP THERMAL INSULATION ACCEPTABLE STANDARD: TWA LINEAR PANEL	317 (330)
B	HEAVY DUTY ALUMINUM EXTRUSION PENCIL PROOF BAR GRILLE. 16 GAUGE ENCLOSURE. **24"** HIGH C/W **1 ROW** OF **1" COPPER** TUBE ELEMENT WITH 4¼"x4¼"x0.02" ALUMINUM FINS WITH BENT ENDS MECHANICALLY FASTENED TO TUBE SPACED **40 PER ft.** C/W END TRIM, ACCESS DOOR, BRACKETS. ACCEPTABLE PRODUCT: RITTLING **# IBG5**	1076 (1120)
C	HEAVY DUTY ALUMINUM EXTRUSION PENCIL PROOF GRILLE. 16 GAUGE ENCLOSURE. **24"** HIGH C/W **3 ROWS** OF **1" COPPER TUBE** ELEMENT WITH 4¼"x4¼"x0.02" ALUMINUM FINS WITH BENT ENDS MECHANICALLY FASTENED TO TUBE SPACED **40 PER ft.** C/W END TRIM, ACCESS DOOR, BRACKETS. PAINT– LIGHT SILVER GRAY. ACCEPTABLE PRODUCT: RITTLING **# IBG5**	1730 (1800)



Key Plan
N.T.S.



1 / M103 Heating - Partial Floor Plan - Demolition
1:100



2 / M103 Heating - Partial Floor Plan - New
1:100

revision

date	revision
19.04.2023	1. Issued for Permit and Tender

LICENSED PROFESSIONAL ENGINEER
APR 19/23
A. E. M. HOUSE
100532131
PROVINCE OF ONTARIO

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

project: Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Ellendale Avenue
North Bay, ON P1B 5G6

title: MECHANICAL HEATING FLOOR PLANS

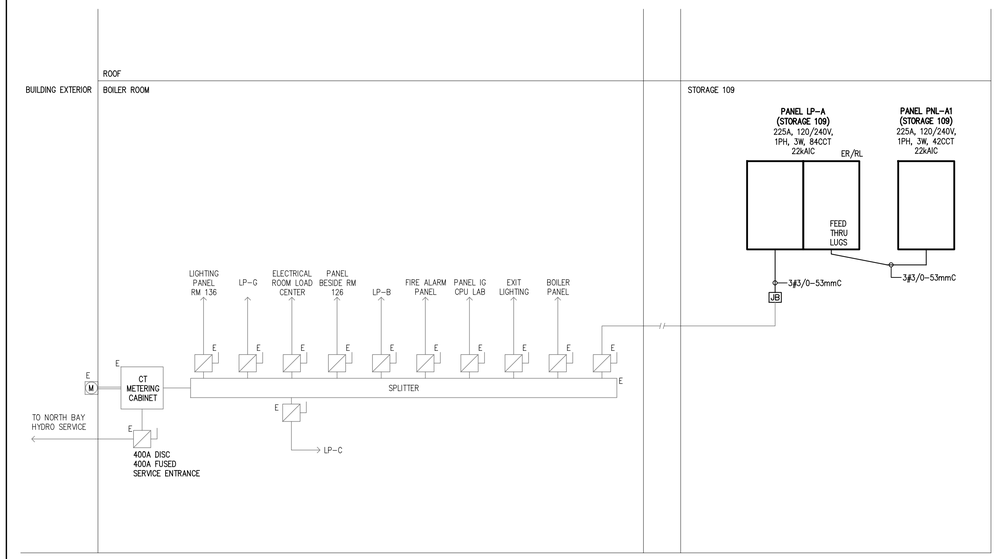
drawn by:	checked by:
AL	AH
scale: AS NOTED	project no: 5981C

date plotted: Apr. 19, 23
date revised: APRIL 2023

dwg no: M103

ELECTRICAL RISER GENERAL NOTES:

1. ALL CABLES SHOWN ARE TO BE COPPER, UNLESS OTHERWISE NOTED.
2. CONDUIT CANNOT BE USED AS A GROUND. PROVIDE AN ADDITIONAL GROUNDING WIRE AS PER THE SPECIFICATIONS.



1 E101 Electrical Riser Diagram
N.T.S.

ELECTRICAL DRAWING NOTES:

1. PROVIDE 120V CONNECTION TO AUTOMATIC DOOR OPERATOR, COORDINATE REQUIREMENTS WITH DOOR HARDWARE SUPPLIER ON SITE PRIOR TO ROUGH IN.
2. CONTRACTOR SHALL RELOCATE HEAT DETECTOR FROM UNDERNEATH STAGE TO NEW LOCATION.
3. CONTRACTOR SHALL EXTEND FEEDERS AND BRANCH CIRCUIT WIRING WITHIN A JUNCTION BOX WITH SCREW TYPE TERMINAL BLOCKS.
4. CONTRACTOR SHALL REMOVE ALL UN-USED ELECTRICAL DEVICES FROM WALL INCLUDING BUT NOT LIMITED TO AUDIO SYSTEM, AMPLIFIER, TIMER, ETC.
5. COORDINATE DISHWASHER POWER REQUIREMENTS WITH OWNER SUPPLIED DISHWASHER.

ELECTRICAL GENERAL NOTES:

1. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE.
2. ELECTRICAL CONTRACTOR IS TO OBTAIN ALL APPROVALS FROM LOCAL ELECTRICAL SAFETY AUTHORITY PRIOR TO COMMENCING WORK.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH BERTRAND WHEELER ARCHITECTURE INC. DRAWINGS. ENSURE ALL REQUIREMENTS ARE COORDINATED AND CARRIED.
4. FIRE STOP ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES.
5. ALL UNUSED WIRING SHALL BE PROPERLY TERMINATED, OR REMOVED. WIRING THAT CANNOT BE REMOVED AND IS CONCEALED AND INACCESSIBLE MUST BE CUT OFF WHERE EXPOSED (SO AS TO BE TOO SHORT TO BE REUSED) AND BE MADE SAFE.
6. ALL EXISTING ELECTRICAL EQUIPMENT WITHIN EXISTING WALLS AND CEILINGS BEING DEMOLISHED ARE TO BE REMOVED, AND WIRING TO BE PULLED BACK TO PANEL. ALL EXISTING ELECTRICAL EQUIPMENT WITHIN EXISTING WALLS AND CEILINGS THAT ARE STAYING ARE TO REMAIN, UNLESS OTHERWISE NOTED. REFER TO ARCH. DRAWINGS FOR DETAILS.
7. ALL WIRING TO BE CONCEALED WHERE POSSIBLE. IF NOT POSSIBLE, PROVIDE SURFACE MOUNTED METAL RACEWAY AND MATCHING SURFACE MOUNTED BOX. RACEWAY TO BE SAME COLOUR AS BACKGROUND SURFACE, AND BE RAN AS NEAT AS POSSIBLE, PARALLEL / PERPENDICULAR TO BUILDING LINES. CONFIRM INSTALLATION DETAILS PRIOR TO ROUGH-IN.
8. PROVIDE STAINLESS STEEL COVERPLATES FOR ALL WIRING DEVICES, INCLUDING NEW OR EXISTING UN-USED WALL BOXES.
9. PROVIDE JUNCTION BOX COVERS FOR ALL EXISTING JUNCTION BOX THAT HAVE COVERS MISSING. ACCOUNT FOR 10 JUNCTION BOX COVERS.
10. ALL RECEPTACLES OF CSA CONFIGURATION 5-15R AND 5-20R WITHIN PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES AREAS ARE TO BE TAMPER RESISTANT TYPE WITH THE EXCEPTION OF RECEPTACLES FOR STATIONARY APPLIANCES THAT RENDER THE RECEPTACLE INACCESSIBLE.

POWER GENERAL NOTES:

1. PROVIDE BONDING CONDUCTOR AND CONNECTION (AS PER OESC) FOR ALL PERMANENTLY CONNECTED EQUIPMENT. COORDINATE EXACT REQUIREMENTS ON SITE.
2. BRANCH CIRCUIT WIRING IN CONCEALED SPACES TO BE INSTALLED IN CONDUIT. REFER TO THE SPECIFICATIONS ON THE MAXIMUM LENGTH OF ARMOURED CABLES THAT CAN BE USED.
3. COORDINATE EXACT LOCATION OF ALL DEVICES ON SITE WITH MILLWORK, FURNITURE AND EQUIPMENT SHOWN ON ARCHITECTURAL PLANS, PRIOR TO ROUGH-IN.
4. ALL WIRING IN JUNCTION BOXES TO BE TERMINATED ON SCREW TYPE TERMINAL BLOCKS. LABEL TERMINAL BLOCKS AND ALL WIRING.
5. ENSURE A MINIMUM OF 1M CLEARANCE IS MAINTAINED IN FRONT OF ALL PANELS, DISCONNECT SWITCHES.
6. ELECTRICAL CONTRACTOR TO PROVIDE THE DEVICE AND ROOM LOCATION INFORMATION ON ALL CIRCUITS IN THE PANEL SCHEDULE. (FOR EXAMPLE, RECEPT – RM 100)
7. PROVIDE CLEAR LABELS ON ALL WIRING DEVICES INDICATING PANEL AND CIRCUIT NUMBERING, (FOR EXAMPLE PNL#A CCT 11.)
8. ALL DATA OUTLETS TO BE COMPLETE WITH 27mm CONDUIT TO ACCESSIBLE CEILING SPACE, ALL CABLES TO BE PROVIDED BY ELECTRICAL CONTRACTOR. PATCH PANEL FOR DATA IS LOCATED IN THE CLOSET IN THE YOUTH ART ROOM 115.
9. ALL VOICE, DATA AND COMMUNICATIONS CABLE TO BE FT6 PLENUM RATED.

LIGHTING GENERAL NOTES:

1. DASHED LINES JOINING FIXTURES, SENSORS, AND SWITCHES INDICATE THE FIXTURES THAT ARE CONTROLLED BY EACH SENSOR AND SWITCH.
2. EMERGENCY LIGHTING SHALL BE INSTALLED IN SUCH A MANNER THAT IT WILL BE AUTOMATICALLY ACTUATED UPON FAILURE OF THE POWER SUPPLY TO THE NORMAL LIGHTING IN THE AREA COVERED BY THAT UNIT EQUIPMENT. PROVIDE VOLTAGE SENSING RELAY AS REQUIRED.
3. EMERGENCY BATTERY PACK TO BE NEW 12 VOLT, 100 WATTS, COMPLETE WITH TWO 7W LED HEADS, EQUAL TO STANPRO-SLB 12100-2S-7LA WH-AT-LD-TD SERIES TO BE COMPLETE WITH AUTO-TEST, LAMP DISCONNECT, BATTERY DISCONNECT AND TIME DELAY.
4. REMOTE EMERGENCY LIGHTING HEADS TO BE: 12 VOLT, 7 WATTS LED LAMP, SINGLE OR DOUBLE HEAD (AS SHOWN), EQUAL TO STANPRO M-LED SERIES.
5. ALL EXISTING LIGHT FIXTURES IN AREAS SHOWN WITH NEW LIGHT FIXTURES ARE TO BE REMOVED. EXISTING LAMPS AND BALLASTS TO BE DISPOSED OF IN MANNER THAT SATISFIES ALL LOCAL AND ENVIRONMENTAL CODES, IN ACCORDANCE WITH MOE GUIDELINES AND IN APPROVED DISPOSAL FACILITY.
6. ALL LIGHTING FIXTURES SHALL BE INDEPENDENTLY SUPPORTED TO THE STRUCTURE BY PROVIDING TWO CHAINS INSTALLED AT EACH OPPOSITE CORNER. COORDINATE EXACT REQUIREMENTS ON SITE.

FIRE ALARM GENERAL NOTES:

1. FIRE ALARM WIRING IN CONCEALED SPACES TO BE INSTALLED IN CONDUIT. REFER TO SPECIFICATIONS FOR ALL INSTALLATION AND WIRING REQUIREMENTS.
2. ALL NEW CONDUIT AND JUNCTION BOXES SHALL BE IDENTIFIED IN RED AS PER SPECIFICATIONS.
3. RELOCATE FIRE ALARM DEVCES AS SHOWN AND PROVIDE PARTIAL FIRE ALARM SYSTEM VERIFICATION (TO CAN/ULC-S537 STANDARDS) UPON COMPLETION.
4. ALL FIELD WIRING SHALL BE IN ACCORDANCE WITH CSA C22.1, CANADIAN ELECTRICAL CODE, PART 1, SECTION 12 & 32, THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS OF CAN/ULC-S524, CLAUSE 4.4.
5. FIRE ALARM CONTROL PANEL IS A MIRCOM MODEL FA-1000. LOCATION IS SHOWN ON FLOOR PLAN.

ELECTRICAL LEGEND

	LIGHTING FIXTURE, CLG MTD (TYPE AS NOTED)
	EXISTING LIGHTING FIXTURE RELOCATED TO NEW LOCATION SHOWN
x	STRIP LIGHTING FIXTURE (TYPE AS INDICATED)
x	CEILING MOUNTED LIGHT FIXTURE (TYPE AS INDICATED)
$	120V WALL MOUNTED SWITCH UNLESS OTHERWISE SPECIFIED
$3	120V THREE WAY WALL MOUNTED SWITCH
$D1	SINGLE ZONE CAT5 CONNECTED, 0-10V WALL MOUNTED DIMMER SWITCH WITH ON/OFF CONTROL
$T	IN WALL TIMER SWITCH W/ ASTRO FEATURE EQUAL TO INTERMATIC PART#ST01 (PROVIDE SHOP DRAWINGS)
	OCCUPANCY SENSOR- WALL MOUNTED – TYPE AS NOTED
	OCCUPANCY SENSOR- CEILING MOUNTED – TYPE AS NOTED
SINGLE FACE / DOUBLE FACE	PICTOGRAM EXIT LIGHT, CEILING MOUNTED C/W DIRECTIONAL ARROWS AS REQUIRED. WIRE TO EMERGENCY BATTERY PACK AS NOTED AND EXIT LTG CIRCUIT.
E	REMOTE EMERGENCY LIGHTING HEAD – SINGLE LIGHT IN A SINGLE CUBE
	SINGLE REMOTE EMERGENCY LIGHTING HEAD WALL MOUNTED
	DUAL REMOTE EMERGENCY LIGHTING HEAD WALL MOUNTED
EBPx	EMERGENCY BATTERY PACK WITH DUAL HEADS (NUMBER AS SHOWN)
	FIRE ALARM PULL STATION
	HEAT DETECTOR- 57°C AND R.O.R.
FACP	FIRE ALARM CONTROL PANEL
	ANNUNCIATOR PANEL
	DUPLEX RECEPTACLE
	GROUND FAULT DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE 5-20R 20A T-SLOT
	DUPLEX RECEPTACLE 5-20R 20A T-SLOT MOUNTED ABOVE COUNTER
	SPECIAL RECEPTACLE AS NOTED
EPx	ELECTRICAL PANEL, FLUSH MOUNTED (DESIGNATION AS SHOWN)
EPx	ELECTRICAL PANEL, SURFACE MOUNTED (DESIGNATION AS SHOWN)
JB	JUNCTION BOX COMPLETE WITH COVER PLATE
M	HYDRO METER
	SAFETY DISCONNECT SWITCH – UNFUSED
	SAFETY DISCONNECT SWITCH – FUSED
H	DOOR OPERATOR – PROVIDE RECESSED DOUBLE GANG BACK BOX AND 21mm CONDUIT TO ACCESSIBLE CEILING SPACE
	DIRECT CONNECTION FOR EQUIPMENT
MD	MOTORIZED DAMPER
	MOTOR CONNECTION
	CONTROL VALVE, PROVIDED BY DIVISION 15, WIRED BY DIVISION 16 – PROVIDE CONNECTION TO HOT WATER HEATING CONTROL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
▼	DATA OUTLET C/W ONE DATA JACK AND A 21mm CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
EFx	EXHAUST FAN (DESIGNATION AS SHOWN)
RCx	REHEAT COIL (DESIGNATION AS SHOWN)
W/G	DEVCE WITH GUARD AS NOTED
GFI	GROUND FAULT DEVCE
AFF	CENTERLINE DEVCE MOUNTING HEIGHT ABOVE FINISHED FLOOR
MW	MICROWAVE OVEN. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MILLWORK ON SITE.
DW	DISHWASHER. COORDINATE EXACT LOCATION WITH MILLWORK ON SITE.
FR	REFRIGERATOR RECEPTACLE ON DEDICATED CIRCUIT
HK	HOUSEKEEPING DEVCE
R	EXISTING DEVCE TO BE REMOVED
RL	EXISTING DEVCE TO BE RELOCATED
E	EXISTING DEVCE TO REMAIN
ER	EXISTING DEVCE TO BE REPLACED WITH NEW

revision	date
1. Issued for Permit and Tender	19.04.2023

LICENSED PROFESSIONAL ENGINEER
APR 19/23
N.G.AMYOTTE
100208142
PROVINCE OF ONTARIO

The Contractor shall check and verify all dimensions before proceeding with the work.

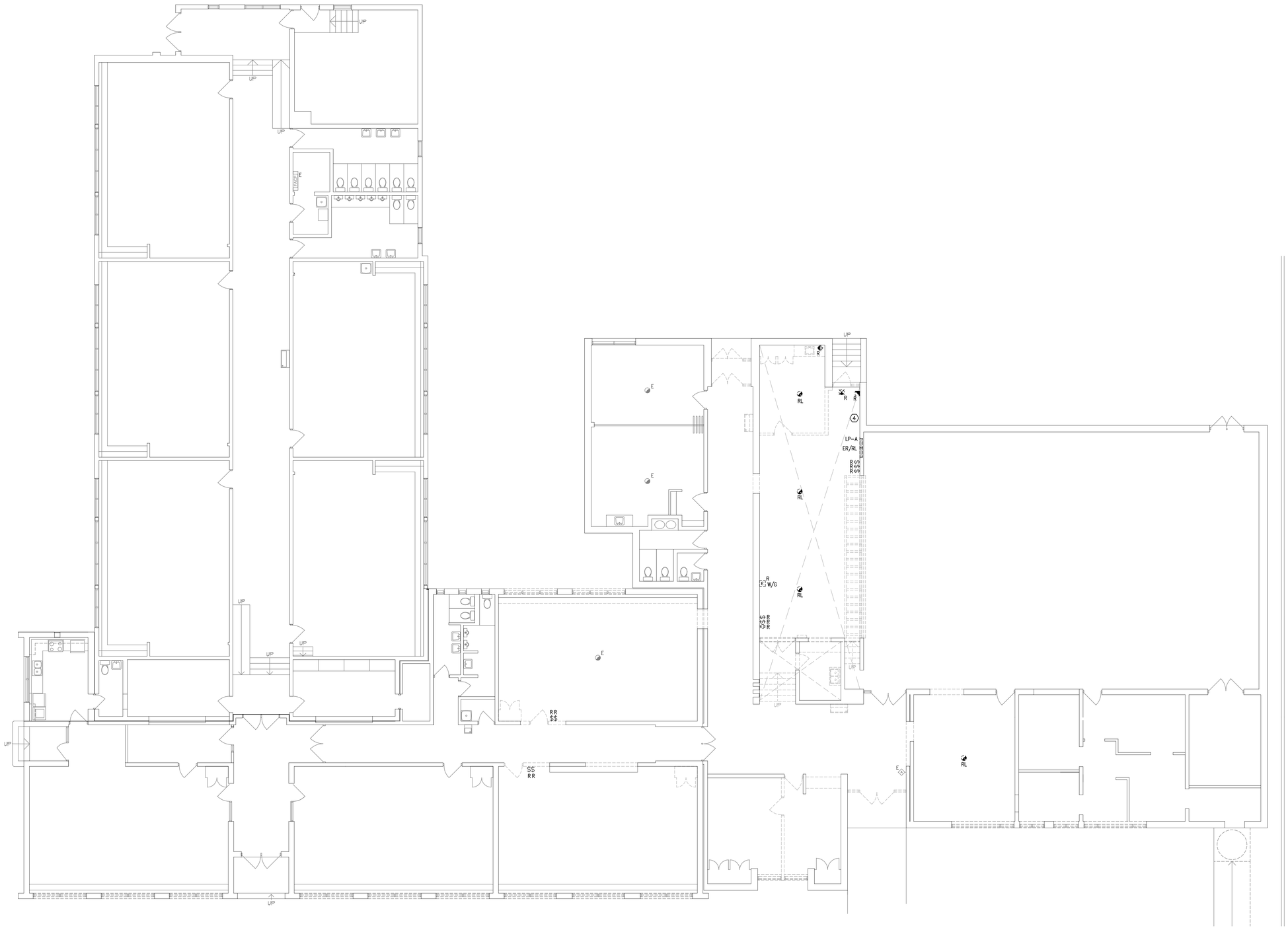
detail no. (A/B) sheet no. where detailed

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

project: Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Ellendale Avenue
North Bay, ON P1B 5G6

title: ELECTRICAL RISER, LEGEND AND NOTES

drawn by: NGA	checked by: NGA
scale: AS NOTED	project no: 5981C
date plotted: Apr. 19, 23	
date revised: APRIL 2023	
dwg no: E101	



1 E102 Power - Main Floor Plan Demolition
1:100

The Contractor shall check and verify all dimensions before proceeding with the work.

A/B detail no. / sheet no. where detailed

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

revision	date
1. Issued for Permit and Tender	19.04.2023

LICENSED PROFESSIONAL ENGINEER
APR 19/23
N.G.AMYOTTE
100208142
PROVINCE OF ONTARIO

project: Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Ellendale Avenue
North Bay, ON P1B 5G6

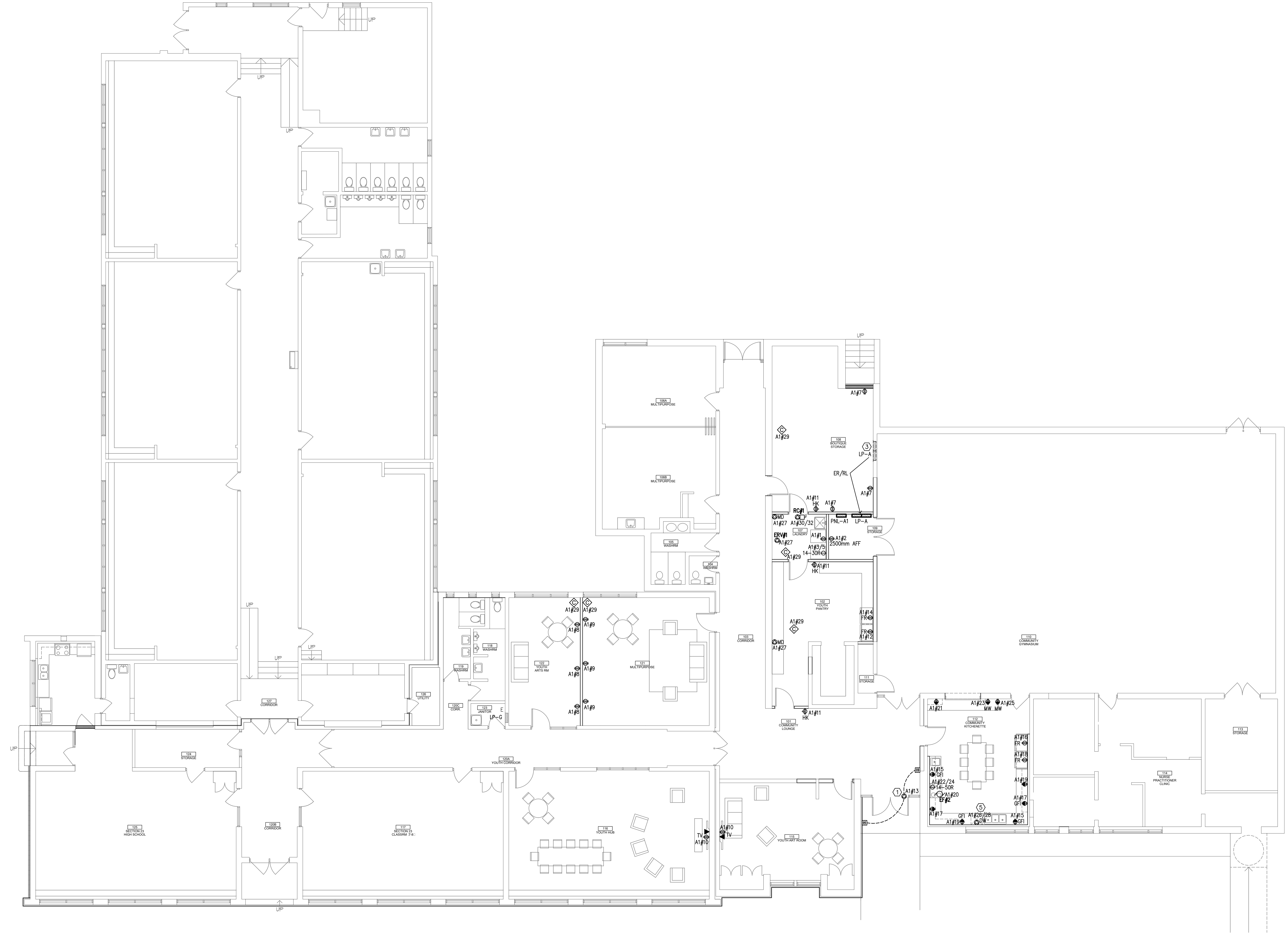
title: ELECTRICAL DEMOLITION FLOOR PLAN

drawn by:	checked by:
NGA	NGA
scale: AS NOTED	project no: 5981C

date plotted: Apr. 19, 23

date revised: APRIL 2023

dwg no: E102



1
E103
Power - Main Floor Plan
1:100

revision

date		
19.04.2023	1.	Issued for Permit and Tender

LICENSED PROFESSIONAL ENGINEER
APR 19/23
N.G.AMYOTTE
100208142
PROVINCE OF ONTARIO

The Contractor shall check and verify all dimensions before proceeding with the work.

A / B: detail no. / sheet no. where detailed

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

project
Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Elmwood Avenue
North Bay, ON P1B 5G6

title
ELECTRICAL
POWER
FLOOR PLAN

drawn by:	checked by:
AJH	NGA
scale:	project no:
AS NOTED	5981C

date plotted: Apr. 19, 23
date revised: APRIL 2023
dwg no: **E103**

Lighting Schedule

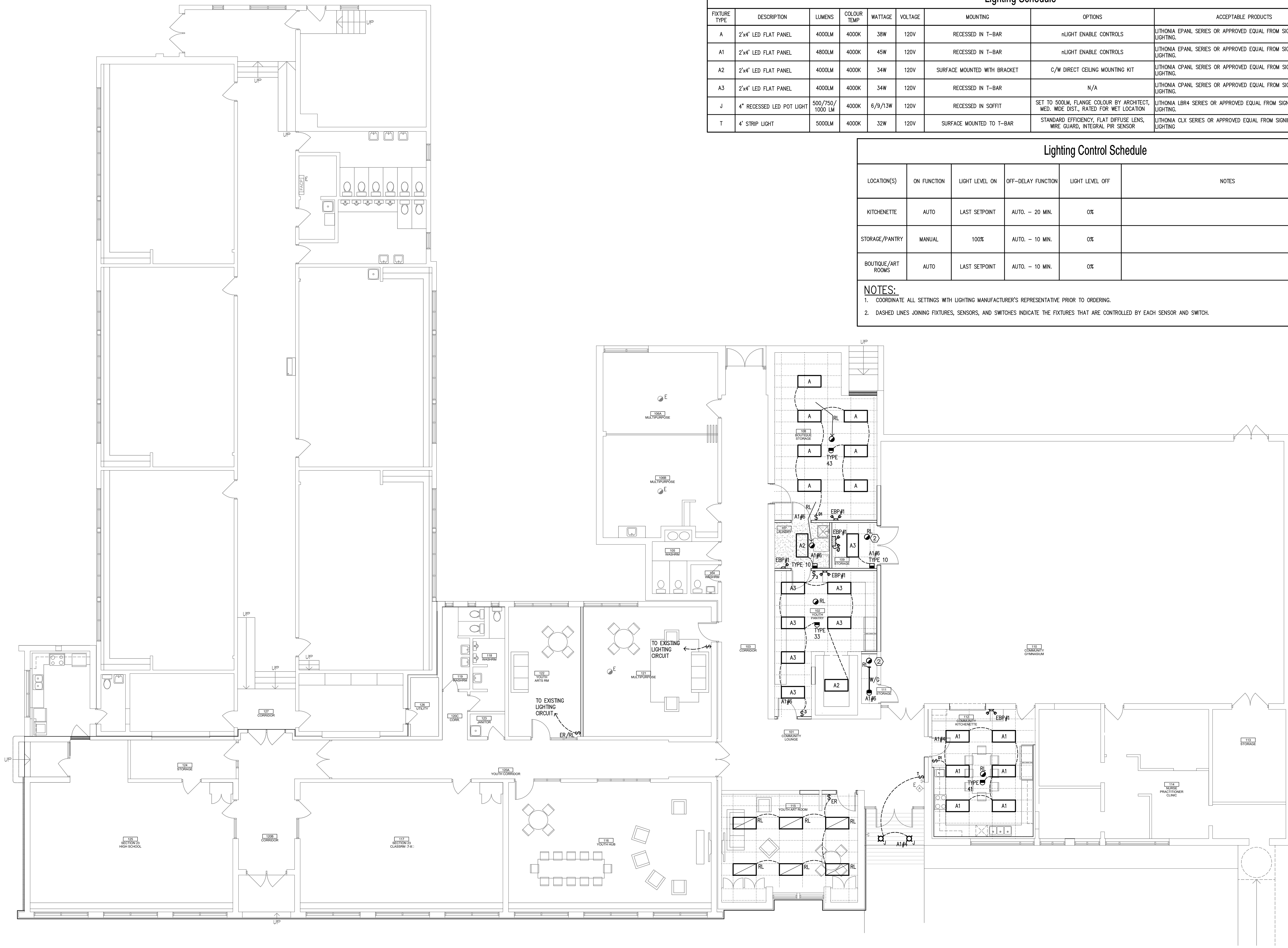
FIXTURE TYPE	DESCRIPTION	LUMENS	COLOUR TEMP	WATTAGE	VOLTAGE	MOUNTING	OPTIONS	ACCEPTABLE PRODUCTS
A	2'x4' LED FLAT PANEL	4000LM	4000K	38W	120V	RECESSED IN T-BAR	nLIGHT ENABLE CONTROLS	LITHONIA EPANL SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING.
A1	2'x4' LED FLAT PANEL	4800LM	4000K	45W	120V	RECESSED IN T-BAR	nLIGHT ENABLE CONTROLS	LITHONIA EPANL SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING.
A2	2'x4' LED FLAT PANEL	4000LM	4000K	34W	120V	SURFACE MOUNTED WITH BRACKET	C/W DIRECT CEILING MOUNTING KIT	LITHONIA CPANL SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING.
A3	2'x4' LED FLAT PANEL	4000LM	4000K	34W	120V	RECESSED IN T-BAR	N/A	LITHONIA CPANL SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING.
J	4" RECESSED LED POT LIGHT	500/750/ 1000 LM	4000K	6/9/13W	120V	RECESSED IN SOFFIT	SET TO 500LM, FLANGE COLOUR BY ARCHITECT, MED. WIDE DIST., RATED FOR WET LOCATION	LITHONIA LBR4 SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING.
T	4' STRIP LIGHT	5000LM	4000K	32W	120V	SURFACE MOUNTED TO T-BAR	STANDARD EFFICIENCY, FLAT DIFFUSE LENS, WIRE GUARD, INTEGRAL PIR SENSOR	LITHONIA CLX SERIES OR APPROVED EQUAL FROM SIGNIFY OR COOPER LIGHTING

Lighting Control Schedule

LOCATION(S)	ON FUNCTION	LIGHT LEVEL ON	OFF-DELAY FUNCTION	LIGHT LEVEL OFF	NOTES
KITCHENETTE	AUTO	LAST SETPOINT	AUTO. – 20 MIN.	0%	
STORAGE/PANTRY	MANUAL	100%	AUTO. – 10 MIN.	0%	
BOUTIQUE/ART ROOMS	AUTO	LAST SETPOINT	AUTO. – 10 MIN.	0%	

NOTES:

1. COORDINATE ALL SETTINGS WITH LIGHTING MANUFACTURER'S REPRESENTATIVE PRIOR TO ORDERING.
2. DASHED LINES JOINING FIXTURES, SENSORS, AND SWITCHES INDICATE THE FIXTURES THAT ARE CONTROLLED BY EACH SENSOR AND SWITCH.



1 E201 Lighting - Main Floor Plan 1:100

revision	date
1. Issued for Permit and Tender	19.04.2023

LICENSED PROFESSIONAL ENGINEER
APR 19/23
N.G.AMYOTTE
100208142
PROVINCE OF ONTARIO

The Contractor shall check and verify all dimensions before proceeding with the work.

A detail no.
B sheet no. where detailed

PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pcl@piotrowskiconsultants.ca

project
Single Site Redevelopment
Children's Aid Society of Nipissing & Parry Sound
140 Elmwood Aven□e
North Bay, ON P1B 5G6

title
ELECTRICAL
LIGHTING
FLOOR PLAN

drawn by:	checked by:
NGA	NGA
scale:	project no:
AS NOTED	5981C

date plotted: Apr. 19, 23

date revised: APRIL 2023

dwg no: E201