



Halton District School Board

Addendum No. 2

RFT 26-030 Oakville #5 Elementary School & Child Care Facility

The following, issued by the Halton District School Board (HDSB) January 30, 2026, shall be incorporated in the specifications and shall form part of the proposal document for the above.

ATTACHED:

Bidders are asked to review the attached Addendum # 2 as drafted by Hossack & Associates Architects with an issuance date of January 29, 2026 which responds to questions asked and revises RFT question deadline, issuance of final addendum deadline and the closing date. (20 pages)

REVISED DATES AS PER ADDENDUM # 2 FROM HOSSACK & ASSOCIATES ARCHITECTS

Question Deadline	February 6, 2026
Issuance of Final Addendum	February 10, 2026
RFX Closing	February 17, 2026
Supplementary Forms (3 low bidders)	24 hours or next business day
Project Timelines Anticipated Construction	Start Date – May 1, 2026 Substantial Completion – May 2028 or sooner Total Completion – August 2028
All times specified in this timetable are local times in Burlington, Ontario, Canada	

RECEIPT OF ADDENDA MUST BE ACKNOWLEDGED ON THE FORM OF QUOTATION.

**PAGE 1 OF 21
END OF ADDENDUM 2**

RFT 26-030 Oakville #5 Elementary School & Child Care Facility

PROJECT NO. 22125

HOSSACK & ASSOCIATES ARCHITECTS

ADDENDUM NO. 2**Issued January 29, 2026**

The following additions, deletions, modifications and clarifications issued herein are hereby an integral part of the Tender and Contract Documents. Minor Typographic or spelling mistakes in the Contract Documents which do not significantly affect the meaning of the sentence or phrase in which they occur may not necessarily be corrected by Addenda.

GENERAL

1. Ensure that all parties submitting bids are aware of this **Addendum No. 2** and its contents.
2. **Contents:** Addendum No. 2 - in its entirety consists of the following:
 - .1 Five (5) typed pages of instructions.
 - .2 Landscape/Grading - one (1) page of full-size 36" x 48" drawing, SG.1 Site Grading Plan.
 - .3 Civil Addendum No.1 – one (1) typed page of instructions and one (1) page of full-size 36" x 48" drawing, CV-1.
 - .4 Structural Addendum No.1 – two (2) typed pages of instructions and two (2) pages of full-size 36" x 48" drawings, S0.0 and S3.2.
 - .5 Mechanical and Electrical Addendum No.1 – two (2) typed pages of instructions, one (1) page 8.5" x 11" drawing AD01-M01, and five (5) pages of full-size 36" x 48" drawings, E3.1, E3.2, E3.3, E3.4 and E8.1.

QUESTIONS & ANSWERS

QUESTION 1: We would kindly like to request a one week extension.

ANSWER 1: [Refer to Addendum No.2 item 01: HDSB RFX Front End – Goods & Services, below for the revised Planned Schedule of Events.](#)

QUESTION 2: Drawing S0.0 – Foundation note 1 says refer to geotechnical investigation prepared by forward engineering dated October 9, 2025. Section 31 09 15 1.2.1 – states that the Geotech was prepared on November 26, 2025. Please clarify that the structural drawings are referring to the correct geotechnical report.

ANSWER 2: [Refer to revised Foundation Note 1 on revised drawing S0.0 included in this Addendum.](#)

QUESTION 3: Drawing S2.1 – Typical Foundation Details – Typical excavation and backfill at foundation walls – please confirm backfill material to be used as the geotechnical report does not specify a material.

ANSWER 3: [Refer to Specification Section '31 23 10 Excavation, Trenching and Backfilling'.](#)

QUESTION 4: Section 00 21 13 – 1.3.1 – states that the form of tender is to be submitted along with a bid bond and agreement to bond to form the "bid submission." Please confirm we are not required to submit the following documents: Appendix A – Declaration Signature Sheet, Appendix B, Appendix C, Appendix D, and Appendix F.

ANSWER 4: [Refer to item 9. "Submission of Required Documentation" of the RFT \(RFX\) front end documents for bid submission information. In addition, refer to specification section "00 21 13 Additional Instructions to Bidders" for requirements of the *Bid Bond* and *Agreement to Bond* \(further clarified in this addendum\).](#)

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Issued January 29, 2026

QUESTION 5: Section 00 21 13 – 1.3.1.2 – Mechanical & Electrical supplemental Tender Form – respectfully please consider that the forms can be submitted via email to the architect as opposed to the office of the architect as we will need to receive forms from our mechanical & electrical trades.

ANSWER 5: Refer to this Addendum No. 2, item #02 below.

QUESTION 6: Drawing SG.1 – Site grading plan – please provide an overlay of the existing grades from file No. 10487-T.

ANSWER 6: The site grading plan, SG.1, has been updated to include existing grades. Refer to attached updated SG.1.

QUESTION 7: Drawing (2 / A17) refers to an alternate brick support detail. Please clarify whether this is to be an alternate price in the bid form or not.

ANSWER 7: The alternate brick support is not an alternate price. It is provided to allow the Bidder to decide which type of support they prefer to carry in their bid.

QUESTION 8: Wall Sections & Details – please clarify what material the 13mm exterior sheathing is to be?

ANSWER 8: Refer to Specification Section 07 51 12 Roofing Rough Carpentry, for locations of plywood and gypsum sheathing related to roofing.

QUESTION 9: Section 32 91 19 shares two different specification sections. Topsoil placement and Landscape grading. Please advise.

ANSWER 9: The Topsoil Placement and Landscape Grading are intended to be included together in the same specification section.

QUESTION 10: RFT 26-030 – Form of Tender - Please confirm the “Base Bid Amount (Excluding HST)” is the base bid excluding cash allowances. Please confirm the “Total Base Bid Amount (Excluding HST)” is the base bid including cash allowances.

ANSWER 10: Base Bid Amount (Excluding HST) is the base bid amount to complete the project as outlined in the RFT documents without any cash allowances/contingency allowances. TOTAL Base Bid Amount (Excluding HST) is the total project cost with the project cost plus all cash and contingency allowances.

QUESTION 11: Section 00 21 13 – 1.7.10 – Please confirm the general contractor is to submit the Mechanical & Electrical bonding along with their supplementary forms 24 hours after close. Please confirm this is to be submitted by email and not in person to the office of the architect.

ANSWER 11: Mechanical & Electrical Agreements to Bond are to be submitted with Supplementary Information Form and Mechanical and Electrical Supplemental Forms within 24 hours after tender close, by email. Refer to Addendum No. 02 below.

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QUESTION 12: Please confirm none of the tender forms or supplementary forms are to be submitted in person to the office of the architect. 1.3.1.2 indicates forms to be submitted to the architect's office – 1.7.9 indicates forms are to be submitted by email. Please clarify.

ANSWER 12: Submissions are to be made by email. Refer to addendum below.

AMENDMENTS TO SPECIFICATIONS

Item 01: HDSB RFX Front End – Goods & Services:

.1 REVISE: Item 3. **Planned Schedule of Events** to read:

Event	Date
Release of RFX	January 19, 2026
Mandatory Site Visit	January 28, 2026
Question Deadline	February 6, 2026
Issuance of Final Addendum	February 10, 2026
RFX Closing	February 17, 2026
Supplementary Forms (3 low bidders)	24 hours or next business day
Project Timelines	Anticipated Construction Start Date – May 1, 2026 Substantial Completion – May 2028 or sooner Total Completion – August 2028
All times specified in this timetable are local times in Burlington, Ontario, Canada	

.2 REVISE: Item 7. Issuance of Addenda to read: "...regarding this RFX must be **submitted in writing through the Online Bidding System no later than 2:00 p.m. (local time) on February 6, 2026. Any resulting addenda will be issued no later than February 10, 2026. ...**"

Item 02: Section 00 21 13 Additional Instructions to Bidders:

.1 REVISE Item 1.3 to read as follows:

"1.3. CONTRACT

1.3.1. Consult the RFT (RFX) documents for submission requirements.

1.3.1.1. 'Form of Tender' and required Appendices are to be accompanied by a *Bid Bond and Agreement to Bond*.

1.3.1.2. The 'Supplementary Information Form Section 00 22 00' is to be completed and submitted by the THREE LOW BID prequalified General Contractors on or before 2:00pm local time the following day of the tender close, or the next business day, to the office of the Architect by email (admin@hossackarch.com) and the School Board by email (chatelaina@hdsb.ca).

RFT 26-030 Oakville #5 Elementary School & Child Care Facility

PROJECT NO. 22125

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ADDENDUM NO. 2**Issued January 29, 2026**

1.3.1.1. 'Mechanical Supplemental Tender Form' and 'Electrical Supplemental Tender Form' in specification Binder B are to be fully completed by the General Contractor's named subcontractors and submitted by the THREE Low Bid General Contractors on or before 2:00pm local time the following day of the tender close, or the next business day, to the office of the Architect by email (admin@hossackarch.com) and the School Board by email (chatelaina@hdsb.ca).

.2 REVISE Item 1.7.9 to read as follows:

"1.7.9. On the day following (or next regular business day) the Bid Submission, the THREE LOW BID General Contractors will be required to submit by 2:00 p.m. to the office of the Architect by email (admin@hossackarch.com) and the School Board by email (chatelaina@hdsb.ca) the following:

- Supplementary Information Form, Section 00 22 00
- Mechanical Supplemental Tender Form (in Binder B)
- Electrical Supplemental Tender Form (in Binder B)
- Mechanical and Electrical Agreements to Bond (as noted in item 1.7.10)

as completed by the Mechanical and Electrical Sub-Contractors named on the Stipulated Price Bid Form of the respective General Contractor."

.3 REVISE Item 1.16.1 to read:

"1.16.1. Tenders will only be accepted from the following General Contractors:

- .1 Everstrong Construction Ltd.
- .2 Gen-Pro
- .3 Golden Gate Contracting
- .4 Pre-Eng Contracting Ltd.
- .5 Remo Construction
- .6 Struct-Con Construction
- .7 TRP Construction
- .8 Tambro Construction Ltd."

Item 03: Section 08 80 50 Glazing:

.1 ADD: "Item 2.1.5.4. Pyran Platinum L."

Item 04: Section 31 23 10 Excavating, Trenching and Backfilling:

.1 REVISE item 2.1.2 to read as follows:

- "2 Fill "B": Granular material meeting OPSS Material Specification for Aggregates, Form 1010, Granular "B" - Type 2 or imported 50mm crusher run limestone, type 2. Minimum compaction density 100% Standard Proctor. For use primarily as fill under building slab on grade areas **and foundation backfill.**"

Item 05: Section 20 02 21 Mechanical Supplemental Tender Form:

.1 REVISE Item 1.1.1 to read:

- "1 The Mechanical Supplemental Tender Form must be submitted to the Architect (admin@hossackarch.com) and Consultant (dei@deiassociates.ca) via email **on or before 2:00pm local time the following day of the tender close, or the next business day ...**"

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Item 06: Section 26 01 13 Electrical Supplemental Tender Form:

- .1 REVISE: Item 1.1.1 to read:
 - “.1 The Electrical Supplemental Tender Form must be submitted to the Architect (admin@hossackarch.com) and Consultant (dei@deiassociates.ca) via email **on or before 2:00pm local time the following day of the tender close, or the next business day ...**”

AMENDMENTS TO DRAWINGS

LANDSCAPE

Item 07: LANDSCAPE/GRADING:

- .1 REPLACE full size 36” x 48” drawing, ‘SG.1’ with enclosed ‘SG.1 SITE GRADING PLAN’, dated January 28, 2026.

CIVIL

Item 08: CIVIL:

- .1 Civil Addendum No.1 – one (1) typed page of instructions and one (1) page of full-size 36” x 48” drawing, CV-1, dated January 28, 2026. Attached.

STRUCTURAL

Item 09: STRUCTURAL:

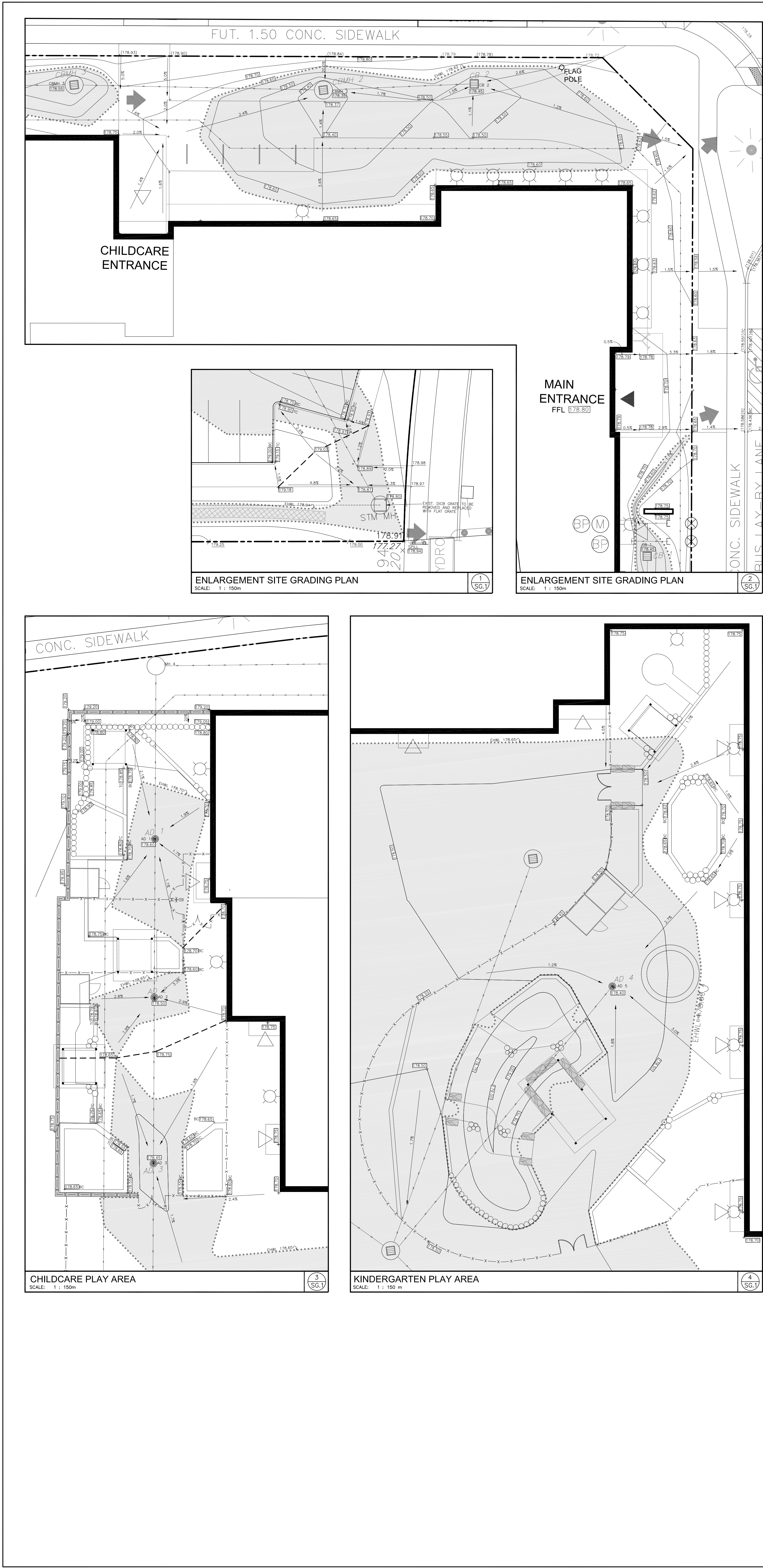
- .1 Structural Addendum No.1 – two (2) typed pages of instructions and two (2) pages of full-size 36” x 48” drawings, S0.0 and S3.2, dated January 28, 2026. Attached.

MECHANICAL & ELECTRICAL:

Item 10: MECHANICAL & ELECTRICAL:

- .1 Mechanical and Electrical Addendum No.1 – two (2) typed pages of instructions, one (1) page 8.5” x 11” drawing AD01-M01, and five (5) pages of full-size 36” x 48” drawings E3.1, E3.2, E3.3, E3.4 and E8.1, dated January 27, 2026. Attached.

End of Addendum No. 2



KEY PLAN

N.T.S.

BASE INFORMATION TAKEN FROM DRAWINGS BY OTHERS. SA DOES NOT ASSUME ANY RESPONSIBILITY FOR ERRORS, OMISSIONS, OR INACCURACIES IN THE INFORMATION. DRAWINGS SHALL ONLY BE USED FOR GUIDELINE PURPOSES ONLY.

LEGEND:

SCHOOL PROPERTY LINE

LIMIT OF SUBDIVISION BOUNDARY LINE

PROPOSED CONCRETE PAVING

S4 PROPOSED ELEVATION

S4 PROPOSED CONTOUR LINE AND ELEVATION

OVERLAND FLOW

PROPOSED DRAINAGE BASIN AND ELEVATION

PROPOSED TOP AND BOTTOM OF CURB

PROPOSED DRAINAGE ARROW

PROPOSED DRAINAGE DIVIDE LINE

EMERGENCY HIGH WATER LEVEL AND HATCH

RECEIVED LATEST FILES

ELEV. ALONG SETTLERS ROAD WEST

DATED JAN. 14, 2025

CONSULTANT URBANTECH PLAN

RECEIVED EMAIL FROM TREVOR JANOT

JAN. 14, 2025 - PROPOSED ELEV.

AS-BUILT SPOT ELEVATIONS BY

CONSULTANT URBANTECH

RECEIVED JAN. 23, 2025

ELEV. ALONG PRESERVE DRIVE

PROPERTY LINE, TAKEN FROM

CONSULTANT URBANTECH

RECEIVED JAN. 14, 2025

INTERPOLATED GRADE

BY STRATEGY 4 INC.

RECEIVED JAN. 14, 2025

ASSUMED BOULEVARD GRADE

BY STRATEGY 4 INC.

RECEIVED JAN. 14, 2025

INTERPOLATED GRADE

BY STRATEGY 4 INC.

RECEIVED JAN. 14, 2025

DATE	DESCRIPTION	CHECKED BY
JAN. 28, 2026	ISSUED FOR ADDENDUM #1	9. JK
JAN. 15, 2026	ISSUED FOR TENDER	8. JK
AUG. 18, 2025	REV'D PROP. SOUTH BOUNDARY GRADES PER DEEL	7. JK
AUG. 18, 2025	ISSUED TO DEEL FOR PEER REVIEW #3	6. JK
AUG. 6, 2025	ISSUED TO URBANTECH, DEEL & RAND ENG FOR PEER REVIEW #2	5. JK
JAN. 29, 2025	ISSUED FOR SUBDIVISION ENG. RE-REVIEW	4. JK
NOV. 27, 2024	ISSUED FOR SITE PLAN APPROVAL	3. JK
AUG. 8, 2024	ISSUED TO DCCASA FOR COORDINATION	2. JK
AUG. 30, 2023	ISSUED TO URBANTECH, DEEL & RAND ENG - SAM CONFERENCE	1. JK

NOTE: Contractor is to check and verify all dimensions and conditions on the project, and as immediately report any discrepancies to the landscape architect before proceeding with the work.

HALTON DISTRICT SCHOOL BOARD

Strategy 4

Landscaping

Urban Transformation

Urban Design

Urban Works

2620 Bristol Circle, Suite 100

Oakville, ON L6H 6P7

T: (905) 829-2544

Project Name:

NE OAKVILLE #5 PUBLIC ELEMENTARY SCHOOL

OWEN SOUND, ONTARIO

Sheet Description:

SITE GRADING PLAN

Date:

APRIL 2023

Issued:

JAN. 2026

Job No.:

S4 3110

Drawn By:

RO

Scale:

1:300

Checked By:

DT

Sheet No.:

SG.1

File No.:

3110SG-260114.DWG



Tender Addendum #1

Page: 1 of 2

Project: Oakville #5 Public School
Project No: 2023-026
Location: Oakville ON
Date: Jan.28, 2026
Issued to: Hossack & Associates
Subject: Tender Addendum 1

Tender Addendum #1

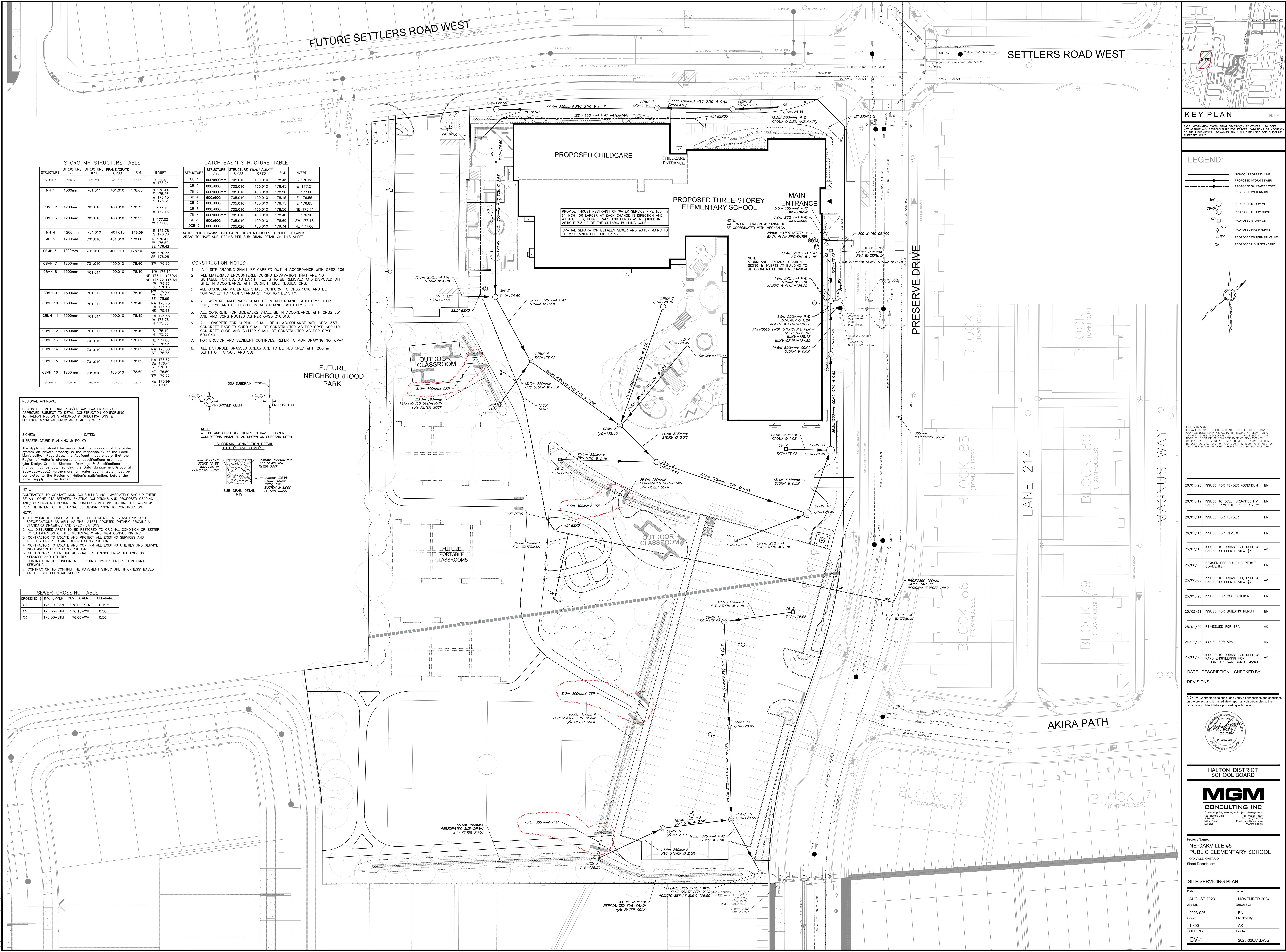
Drawing CV-1

- Addition of 4 - 300mm CSP Culverts. Total 300mm culvert length is 26.0m.

See the attached drawing showing the revisions/additions noted above.

A handwritten signature in black ink, appearing to read "Blair Nock", written in a cursive style.

Blair Nock, C.E.T

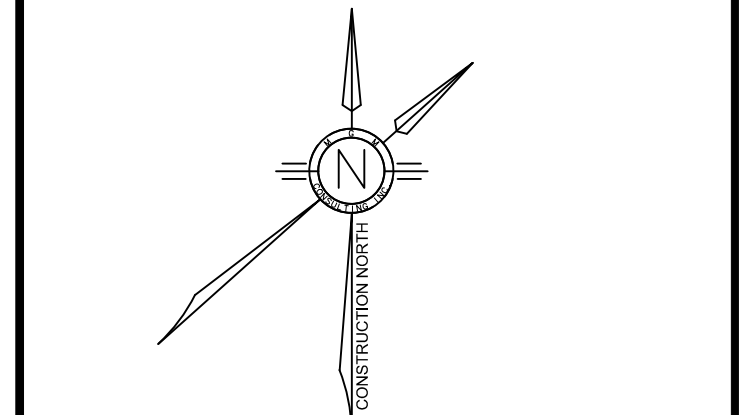


KEY PLAN

N.T.S.
BASE INFORMATION TAKEN FROM DRAWINGS BY OTHERS. SA DOES NOT ASSUME ANY RESPONSIBILITY FOR ERRORS, OMISSIONS OR INACCURACIES. THIS INFORMATION IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES ONLY.

LEGEND:

- SCHOOL PROPERTY LINE
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED STORM MH
- PROPOSED STORM CBMH
- PROPOSED STORM CB
- PROPOSED FIRE HYDRANT
- PROPOSED WATERMAIN VALVE
- PROPOSED LIGHT STANDARD



BENCHMARK:
ELEVATIONS ARE GENERIC AND ARE REFERRED TO THE TOWN OF OAKVILLE BENCHMARK (O.B.M.) AND ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. THE BENCHMARK IS LOCATED AT THE WEST WESTERN CORNER OF LARRY PRESIDENT DRIVE, INTERSECTION OF LARRY PRESIDENT AND GUYEN WALK DRIVE.

DATE	DESCRIPTION	CHECKED BY
26/01/28	ISSUED FOR TENDER ADDENDUM	BN
26/01/19	ISSUED TO DSEL, URBANTECH & RAND - 3rd FULL PER REVIEW	BN
26/01/14	ISSUED FOR TENDER	BN
26/01/13	ISSUED FOR REVIEW	BN
25/01/15	ISSUED TO URBANTECH, DSEL & RAND FOR PEER REVIEW #3	AK
25/06/06	REVISED PER BUILDING PERMIT COMMENTS	BN
25/06/05	ISSUED TO URBANTECH, DSEL & RAND FOR PEER REVIEW #2	AK
25/05/23	ISSUED FOR COORDINATION	BN
25/03/21	ISSUED FOR BUILDING PERMIT	BN
25/01/29	RE-ISSUED FOR SPA	AK
24/11/26	ISSUED FOR SPA	AK
23/08/25	ISSUED TO URBANTECH, DSEL & RAND ENGINEERING FOR SUBMISSION, SWM CONFERENCE	AK

DATE DESCRIPTION CHECKED BY
REVISIONS



HALTON DISTRICT SCHOOL BOARD

MGM
CONSULTING INC.
Consulting Engineers & Project Management
505 Industrial Drive
Oakville, ON L6M 4G5
Tel: 905.232.6970
Fax: 905.232.6971
Email: info@mgn.ca
www.mgn.ca

Project Name:
NE OAKVILLE #5
PUBLIC ELEMENTARY SCHOOL
OAKVILLE, ONTARIO
Sheet Description:

SITE SERVICING PLAN

Date	Issued
AUGUST 2023	NOVEMBER 2024
Job No.:	Drawn By:
2023-026	BN
Scale:	Checked By:
1:300	AK
SHEET No.:	File No.:
CV-1	2023-026A1.DWG

**Halton District School Board
Oakville #5 Public School**

**Structural Addendum No. 1
Project Addendum No. 2**

January 28, 2026

The following amendments/clarifications to the Tender Documents are considered to form part of this Tender.

No consideration will be given for extras and/or changes due to the Bidder not being familiar with the contents of this Addendum.

Bidders are to acknowledge this Addendum by signing and enclosing this addendum of this document with their submission.

The following Addendum has been issued to make clarifications, revisions, additions and/or deletions to the various areas of the Request for Tender.

This addendum shall be incorporated in the specifications and drawings and shall form part of the contract documents:

1. AMENDMENTS TO DRAWINGS:

- A. Drawing S0.0:
 - a. Revised Foundation Note 1.
- B. Drawing S3.2:
 - a. Revised lintel sizes along grid line 3 to accommodate sun shades.

2. BIDDER QUESTIONS:

Question 1: Drawing S0.0 – Foundation note 1 says refer to geotechnical investigation prepared by forward engineering dated October 9, 2025. Section 31 09 15 1.2.1 – states that the Geotech was prepared on November 26, 2025. Please clarify that the structural drawings are referring to the correct geotechnical report.

Response 1: Refer to revised Foundation Note 1 on drawing S0.0.

Question 2: *Drawing S2.1 – Typical Foundation Details – Typical excavation and backfill at foundation walls – please confirm backfill material to be used as the geotechnical report does not specify a material..*

Response 2: Refer to the Excavation and Backfill section of the geotechnical report.

3. ATTACHMENTS TO THIS DOCUMENT:

- Drawings S0.0 and S3.2.

Sincerely,



Per: Grant Finlay, P.Eng.
Kalos Engineering Inc.



OAKVILLE #5 PUBLIC SCHOOL



* FOR REFERENCE ONLY *

DRAWING LIST	
DRAWING No.	DRAWING NAME
S0.0	COVERPAGE
S1.0	FOUNDATION PLAN
S1.1	SLAB-ON-GRADE SAW-CUT PLAN
S2.0	FOUNDATION SECTIONS
S2.1	TYPICAL FOUNDATION DETAILS
S3.0	SECOND FLOOR FRAMING PLAN
S3.1	THIRD FLOOR FRAMING PLAN
S3.2	ROOF FRAMING PLAN
S4.0	FRAMING SECTIONS
S4.1	FRAMING SECTIONS
S4.2	FRAMING SECTIONS
S4.3	TYPICAL FRAMING DETAILS

GENERAL NOTES

- CHECK ALL DIMENSIONS ON THESE DRAWINGS WITH ALL OTHER DRAWINGS, INCLUDING BUT NOT LIMITED TO: GRAPHS PREPARED BY ARCHITECTURAL, MECHANICAL OR ELECTRICAL CONSULTANTS. REPORT ANY INCONSISTENCIES TO THE DESIGNER PRIOR TO COMMENCING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
- THE DESIGN LEVELS ARE INDICATED ON THE DRAWINGS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LEVEL LOADS.
- THE COMPLETED STRUCTURE IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING AND ANY OTHER TEMPORARY OR PERMANENT MEASURES AS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT OF EXISTING OR ADJACENT STRUCTURES AS REQUIRED. ALL BRACING AND SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST ONTARIO BUILDING CODE, LATEST APPLICABLE REGULATIONS, AND ALL GOVT. CONSTRUCTION PRACTICES.
- THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
- CLARIFY ANY QUERIES WITH THE ENGINEER REGARDING THE INTERPRETATION OF THE DRAWINGS. PRIOR TO THE COMMENCEMENT OF ANY WORK.
- KALOS ENGINEERING INC. PROVIDES GENERAL CONFORMANCE REVIEW ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. THIS REVIEW IS A PERIODIC REVIEW TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY KALOS ENGINEERING INC. THE CONTRACTOR SHALL COORDINATE FIELD REVIEWS WITH KALOS ENGINEERING INC. PRIOR TO COMMENCING THE STRUCTURAL COMPONENTS AS SHOWN ON THESE DRAWINGS. PROVIDE 48 HOURS ADVANCE NOTICE OF EACH REQUIRED FIELD REVIEW. REVIEW BY KALOS ENGINEERING INC. DOES NOT MAKE US GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED ISSUED FOR CONSTRUCTION IN THE REVISIONS COLUMN BY KALOS ENGINEERING INC. THE DRAWINGS SHALL NOT BE USED FOR TENDER UNLESS SO INDICATED IN THE REVISIONS COLUMN.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PRECISE LOCATIONS AND ASSEMBLY TYPES OF REQUIRED FIRE RESISTANCE RATINGS. ALL ENGINEERED PRODUCTS SHALL ACCOUNT FOR APPLICABLE LOAD-RESTRICTED ASSEMBLIES.
- DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS OR ELEMENTS WITHOUT WRITTEN CONSENT OF KALOS ENGINEERING INC.

CONCRETE NOTES

- ALL STRUCTURAL CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD CANCSA A23.3. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD CANCSA A23.3.
- MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE:
 - FOOTINGS: 25 MPa TYPE I
 - PIERS: 25 MPa TYPE P2
 - EXTERIOR SLAB ON GRADE: 25 MPa TYPE P2
 - CONCRETE TOPPOINGS: 25 MPa TYPE P2
 - MAXIMUM AGGREGATE SIZE: 19mm (3/4")
 - EXTERIOR SLAB ON GRADE: 25 MPa TYPE P2
 - LEAK MUX: 10 MPa TYPE N
 - SLUMP SHALL BE 75mm ± 25mm (3" ± 1") U.L.O.
 - AGGREGATE SHALL BE 19mm (3/4") MAXIMUM U.L.O.CONTRACTOR TO SUBMIT CONCRETE MIX DESIGN FOR REVIEW
- THE DEFORMED REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.18 GRADE 30R FOR STIRRUPS AND TIES AND GRADE 40R FOR ALL OTHER REINFORCING. ALL REINFORCING HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A23.1. THE REINFORCING LAP LENGTH SHALL BE CLASS B FOR SPLICES UNLESS NOTED OTHERWISE. TYPICAL SPLICE LENGTHS SHALL BE AS FOLLOWS:
 - 1M BARS: 400 mm (16")
 - 15M BARS: 600 mm (24")
 - 20M BARS: 750 mm (30")
 - 25M BARS: 900 mm (36")
- WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH CSA G30.16. ALL WELDS SHALL BE CHAINED PRIOR TO THE LIFTING OF THE MESH DURING THE CONCRETE POUR WILL NOT BE PERMITTED. ALL EXTERIOR SLABS SHALL BE A MINIMUM OF TWO CROSSWISE SPACINGS PLUS 50mm (2").
- THE REINFORCING COVER FOR CONCRETE SHALL BE:
 - 25mm (1") FOR CONCRETE AGAINST EARTH
 - 40mm (1 1/2") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER
 - 50mm (2") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER
 - 75mm (3") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER
 - 25mm (1") FOR INTERIOR CONCRETEALL CHAIRS, SPLICES, SPACERS AND BAR SUPPORTS SHALL BE IN ACCORDANCE WITH CSA A23.1.
- CONSTRUCT CONCRETE WALLS WITHOUT CONTROL JOINTS UNLESS NOTED OTHERWISE. PROVIDE CHAIRS AND BEAM POCKETS IN THE INTERIOR FACE OF CONCRETE WALLS AS REQUIRED.
- PROVIDE DOWELS FOR WALLS AND COLUMNS TO SUIT THE REINFORCING IN THE WALL OR COLUMN ABOVE.
- CONCRETE TOPPING DEPTH ON STEEL DECK SHALL BE A MINIMUM OF 40mm (2") FROM TOP OF DECK AND REINFORCED WITH 150x150 MM (6"x6") BARS W/ 75mm (3") WELDED WIRE FABRIC. CONFORM WELDED WIRE FABRIC SLIP WITH REQUIRED ULL FIRE RATING ASSEMBLY AS SPECIFIED BY THE ARCHITECT.
- A STEEL TROWEL FINISH SHALL BE PROVIDED FOR ALL INTERIOR SLABS UNLESS NOTED OTHERWISE. A BROOD FINISH SHALL BE PROVIDED FOR ALL EXTERIOR SLABS UNLESS NOTED OTHERWISE.
- CONCRETE SCREEDING SHALL BE PROVIDED FOR ALL FOOTING, PIER, WALL, COLUMN, AND SLAB POURS.
- CONCRETE SHALL BE PROTECTED AGAINST ADVERSE WEATHER CONDITIONS INCLUDING, BUT NOT LIMITED TO: HIGH WINDS, EXCESSIVE HEAT, EXCESSIVE HUMIDITY, EXCESSIVE DRYING, AND TEMPERATURE DIFFERENTIALS. PREMATURE DRYING, AND MOISTURE LOSS IN ACCORDANCE WITH THE REQUIREMENTS OF CANCSA A23.1.
- WHEN THE AIR TEMPERATURE IS AT OR ABOVE 27 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE RISING TO 27 °C DURING THE PLACING PERIOD, FACILITIES SHALL BE PROVIDED TO PROTECT THE CONCRETE IN PLACE FROM THE EFFECTS OF HOT AND/OR DRYING WEATHER CONDITIONS. THE REQUIRED CURING PERIOD, THE REQUIRED CURING PERIOD SHALL BE DETERMINED IN ACCORDANCE WITH CSA A23.1.
- WHEN THE AIR TEMPERATURE IS AT OR BELOW 5 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE FALLING BELOW 5 °C WITHIN 24 HOURS, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE PROTECTION OF THE REQUIRED CURING PERIOD. THE REQUIRED CURING PERIOD SHALL BE BY MEANS OF HEATED ENCLOSURES, COVERS, INSULATION, OR A SUITABLE COMBINATION OF THESE METHODS.

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL ELEMENTS, INCLUDING DESIGN OF ELEMENTS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CANCSA S16.
- ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (50W) EXCEPT W SECTIONS AND PLATES G40.21 (50W). WSE MEMBERS G40.21 (50W) CLASS C ANCHOR BOLTS ASTM F1554 GR 36. COLD FORM SECTIONS ASTM A570M GRADE 50W.
- ALL SECTIONS SHALL BE PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CANCSA B8.10 UNLESS NOTED OTHERWISE. ALL STEEL EXPOSED TO THE EXTENSION TO BE NOT BALANCED. SECTIONS TO RECEIVE SPRAY FIREPROOFING SHALL BE LEFT UNPAINTED COORDINATE WITH THE ARCHITECTURAL DRAWINGS.
- ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CANCSA W59. THE STEEL FABRICATOR SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS BY THE CANADIAN WELDING BUREAU IN CONFORMANCE WITH CANCSA W47.1.
- DESIGN ALL MOMENT AND SHEAR CONNECTIONS FOR THE FULL CAPACITY OF THE SMALLER MEMBER IN THE CONNECTION UNLESS OTHERWISE NOTED. MOMENT CONNECTIONS SHALL BE PROVIDED FOR MAJOR AND MINOR AXES BEHINDING WHERE NOTED. THE STEEL CONTRACTOR SHALL PROVIDE LOCAL REINFORCING OF MEMBERS AS REQUIRED FOR CONNECTION FORCES AS PART OF THE CONNECTION DESIGN.
- PROVIDE MINIMUM BEARING LENGTH OF STEEL MEMBERS AS FOLLOWS:
 - ON STEEL: 90mm
 - ON MASONRY: 150mm
 - ON BEARING PLATES: FULL LENGTH OF BEARING PLATE
- THE BASE PLATE AND BEARING PLATE GROUT SHALL BE OF THE CEMENTITIOUS NON-SHROW TYPE AND SHALL BE A MINIMUM OF 25mm (1") THICK WITH A COMPRESSION STRENGTH OF 30 MPa AT 28 DAYS.
- FULLY WELD BASE PLATES TO COLUMNS AND PROVIDE MINIMUM 6mm (1/4") THICK CAP PLATES ON ALL COLUMNS.
- PROVIDE MINIMUM 175x175x12mm (7"x7"x1/2") BEARING PLATES FOR ALL STRUCTURAL STEEL ON 2-16mm (5/8") OR ANCHORS, 400mm (16") LONG WITH 50mm (2") BENT HOOKS UNLESS NOTED OTHERWISE.
- ALL BOLTS SHALL BE TIGHTENED WITH A SUITABLE TORQUE WRENCH IN ACCORDANCE WITH CSA S16.
- ERECT STRUCTURAL STEEL IN ACCORDANCE WITH CSA S16 AND IN CONFORMANCE WITH THE REVERSED SHOP DRAWINGS.
- THE STRUCTURAL STEEL CONTRACTOR SHALL SUPPLY ALL UNITS OVER DOORS, WINDOWS, DUCT AND PIPE PENETRATIONS, AND ALL BEARING PLATES, ANCHOR BOLTS, WALL ANCHORS, BULL ANGLES, TRIMMER ANGLES, AND MASONRY CLIPS ON COLUMNS LOCATED WITHIN MASONRY WALLS.
- THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY SHORING OF ALL FLUSH BEAMS. SHORING SHALL REMAIN IN PLACE UNTIL FLUSH BEAM GROUT HAS FULLY CURED.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COORDINATING THE STRUCTURAL STEEL SUBMITTALS WITH WORK IN OTHER SPECIFICATION DIVISIONS INCLUDING, BUT NOT LIMITED TO, MASONRY, PRECAST, METAL DECK, METAL STUDS, & OWSJ.

MASONRY NOTES

- ALL STRUCTURAL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD S304.1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CANADIAN MASONRY HANDBOOK AND ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA A307. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH CSA A307.1. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH CSA A307.1. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH CSA A307.1.
- ALL CONCRETE BLOCKS SHALL BE LIGHT WEIGHT TYPE H15CM UNLESS NOTED OTHERWISE. MORTAR SHALL BE TYPE P FOR LOAD-BEARING MASONRY AND TYPE N FOR NON-LOAD-BEARING MASONRY.
- GROUT SHALL CONSIST OF ONE PART PORTLAND CEMENT AND THREE PARTS SAND (MAXIMUM AGGREGATE SIZE SHALL BE 19mm (3/4") WITH WATER TO PROVIDE A MAXIMUM AGGREGATE STRENGTH AT 28 DAYS OF 15 MPa. SLUMP SHALL BE 250mm (8" TO 10").
- GROUTING:
 - CELLS CONTAINING REINFORCING SHALL BE GROUTED SOLID.
 - ALL MASONRY BELOW BEARING PLATES SHALL BE GROUTED SOLID FULL HEIGHT. BOND BEAMS SHALL BE GROUTED SOLID.
- REINFORCING:
 - PROVIDE VERTICAL REINFORCING AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS:
 - 140mm (6") CONCRETE BLOCK: 15M VERTICAL AT 800mm (24") O.C.
 - 190mm (8") CONCRETE BLOCK: 15M VERTICAL AT 800mm (24") O.C.
 - 240mm (10") CONCRETE BLOCK: 15M VERTICAL AT 800mm (24") O.C.
 - 290mm (12") CONCRETE BLOCK: 15M VERTICAL AT 800mm (24") O.C.
 - PROVIDE FULL HEIGHT VERTICAL BARS ALL CORERS BEHIND BEARING PLATES. THE BAR SIZE SHALL MATCH THE WALL REINFORCING.
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 - PROVIDE FULL HEIGHT VERTICAL BARS ALL CORERS BEHIND BEARING PLATES. THE BAR SIZE SHALL MATCH THE WALL REINFORCING.
- FOUNDATION WALL HEIGHTS AND COURSING SHALL BE BASED ON THE UNDERSIDE OF FOOTING ELEVATION. THE FOOTING THICKNESS, AND THE GROUND FLOOR FINISH ELEVATION IS SPECIFIED. THIS SHALL BE SUPERSEDED WHERE A TOP OF FOOTING ELEVATION IS SPECIFIED. DO NOT COUNT THE COURSING IN THE FOUNDATION SECTIONS.
- PROVIDE A 200mm (8") HIGH BOND BEAM REINFORCED WITH 120M BAR IN THE TOP COURSE OF ALL INTERIOR PERIMETER WALLS.
- PROVIDE STEEL TIES AT ALL OPENINGS AND RECESSES INCLUDING OPENINGS FOR MECHANICAL AND ELECTRICAL CONNECTIONS. REFER TO THE SLAB SCHEDULE ON DRAWING S4.2 FOR DETAILS. ALL WALLS SUBJECT TO BE HOT DIP GALVANIZED.
- PROVIDE BEARING PLATES BENEATH ALL BEAMS, JOISTS, AND BEAM LINTELS AND GROUT THE PLATE IN THE WALL REFER TO THE BEARING PLATE SCHEDULE ON DRAWING S4.2 FOR DETAILS.
- BUILD THE MASONRY SILL AROUND ALL BEAM LINTEL AND JOIST POCKETS. LOOSE FILL BLOCKS IN ABOVE-CEILING SPACES ARE NOT PERMITTED.
- ALL MORTAR JOINTS SHALL BE TOOLED TO PROVIDE A CONCAVE PROFILE UNLESS NOTED OTHERWISE.
- MORTAR JOINTS SHALL BE 10mm (3/8") THICK. STARTING BED JOINTS ON NON-REINFORCED ELEMENTS SHALL BE 10mm (3/8") THICK. STARTING BED JOINTS ON NON-REINFORCED ELEMENTS SHALL BE 10mm (3/8") THICK. STARTING BED JOINTS ON NON-REINFORCED ELEMENTS SHALL BE 10mm (3/8") THICK.
- VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 6m (20'), REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS AND LOCATIONS.
- THE MASONRY SHALL BE CONSTRUCTED EVEN U/P TO A MAXIMUM HEIGHT OF TWENTY TIMES THE CMU WIDTH PER DAY. DO NOT TOOTH AND BOND OR STACK BOND MASONRY. RAKE BACK EDGES OF UNFINISHED WALLS.
- PROVIDE TEMPORARY BRACING AS REQUIRED TO SUPPORT THE MASONRY DURING CONSTRUCTION.
- PROTECT MASONRY WALLS FROM THE ELEMENTS AT ALL TIMES IN ACCORDANCE WITH CSA A371. COLD WEATHER PROTECTION IS REQUIRED BELOW 4°C AND HOT WEATHER PROTECTION IS REQUIRED ABOVE 27°C. ALL BLOCK, BRICK, AND MORTAR AND GROUT COMPONENTS SHALL BE PROTECTED AGAINST PRECIPITATION.
- A WEATHERPROOF MEMBRANE SHALL BE PROVIDED OVER OPEN BLOCK CORERS TO PREVENT THE INGRESS OF WATER AND SNOW INTO THE CORERS. THE MEMBRANE SHALL EXTEND 800mm DOWN BOTH SIDES OF THE MASONRY.
- ADJUSTABLE VENEER TIES, WHEN USED, SHALL BE CAPABLE OF DEVELOPING COMPRESSIVE AND TENSILE RESTRAINT BETWEEN WYTHES.
- CONCRETE SHALL BE PROTECTED AGAINST ADVERSE WEATHER CONDITIONS INCLUDING, BUT NOT LIMITED TO: HIGH WINDS, EXCESSIVE HEAT, EXCESSIVE HUMIDITY, EXCESSIVE DRYING, AND TEMPERATURE DIFFERENTIALS. PREMATURE DRYING, AND MOISTURE LOSS IN ACCORDANCE WITH THE REQUIREMENTS OF CANCSA A23.1.

LATERAL FORCE RESISTING SYSTEM NOTES:

- THE ROOF DECK AND CONNECTIONS TO SUPPORTING MEMBERS SHALL HAVE A MINIMUM SHEAR CAPACITY OF 4 kN/m. REFER TO METAL DECK NOTE #5.
- THE SECOND FLOOR DIAPHRAGM AND CHORD MEMBERS CONSIST OF HOLLOW CORE PRECAST SLABS AND MASONRY BOND BEAMS AND TRIMMER ANGLES.
- PRECAST SLABS AND GROUT JOINTS BETWEEN SLABS SHALL HAVE A MINIMUM IN-PLANE SHEAR CAPACITY OF 30 kN/m.
- CONNECTIONS BETWEEN SLABS, BEARING WALLS, AND SHEAR WALLS SHALL HAVE A MINIMUM SHEAR CAPACITY OF 40 kN/m.

PRECAST CONCRETE SLAB NOTES

- ALL PRECAST CONCRETE SHALL BE DESIGNED IN ACCORDANCE WITH CSA A23.3 AND SHALL BE CONSTRUCTED AND INSTALLED PER CSA A23.1 AND CSA A23.4. ALL PRECAST CONCRETE SHALL BE DESIGNED BY AN ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
- PRECAST CONCRETE SHALL BE DESIGNED TO RESIST THE LOADS NOTED ON THE DRAWINGS.
- PRECAST SLAB LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360 FOR FLOORS AND L/600 FOR ROOFS.
- A RAKED FINISH SHALL BE PROVIDED ON ALL SLABS WHERE A TOPPING IS TO BE PROVIDED. A SMOOTH FINISH SHALL BE PROVIDED ON ALL ROOF SLABS.
- DIFFERENTIAL CAMBER SHALL BE LIMITED SUCH THAT THE APPLICATION OF THE SPECIFIED FLOOR OR ROOF FINISH IS NOT NEGATIVELY AFFECTED. A CEMENTITIOUS SMA COAT SHALL BE PROVIDED WHERE REQUIRED TO REDUCE EXCESSIVE DIFFERENTIAL CAMBER.
- A LATEX MODIFIED BONDING AGENT SHALL BE PROVIDED ON ALL SLABS PRIOR TO THE APPLICATION OF A TOPPING. REFER TO SPECIFICATION SECTION G3.41.00 FOR FURTHER DETAILS.
- NOTCHES IN SLABS AT COLUMNS SHALL BE FILLED WITH 25 MPa CONCRETE AND 15M BARS DRILLED AND EPOXYED INTO ADJACENT SLABS.
- CORE INSULATION SHALL BE PROVIDED BY THE PRECAST MANUFACTURER AT LOCATIONS WHERE CORES ARE TO BE GROUTED SOLID.
- WRITTEN CONFIRMATION SHALL BE PROVIDED FROM THE PRECAST MANUFACTURER PRIOR TO THE USE OF LIFTS OR HEAVY EQUIPMENT ON PRECAST SLABS.
- CONSTRUCTION LOADS ON PRECAST SLABS, INCLUDING TEMPORARY STORAGE LOADS, SHALL NOT EXCEED 1 kPa (20 PSF).
- COORDINATE SITE DRILLED HOLES THROUGH SLABS WITH CONSULTANT DRAWINGS AND GROUT HOLES THROUGH SLABS TO ENSURE THAT NO DAMAGE IS CAUSED TO THE SLABS OR REINFORCEMENT.
- ALL FLUSH BEAMS SHALL BE SHORED PRIOR TO AND DURING PRECAST SLAB PLACEMENT. SHORING SHALL NOT BE LESS THAN THREE EXPOSED THIRDS. ALL GROUTED AND GROUT HAS CURED.
- FOR SLABED SLABS PROVIDE 10mm (1/2") NEOPRENE BEARING PADS AT ALL BEARING LOCATIONS. FOR FLAT SLABS PROVIDE 3mm (1/8") MASONRY BEARING PADS AT ALL BEARING LOCATIONS.
- DESIGN SLABS FOR AN UNFACTORED LINE LOAD OF 0.1 kN/m AT ROCK PARTITION WALLS AND PROVIDE SOLID SLABS AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- SOLID SLABS SHALL BE PROVIDED AS REQUIRED AT THE DISCRETION OF THE PRECASTER TO SUPPORT MECHANICAL UNITS, CANTILEVERS, SIDE CANTILEVERS, DIAPHRAGM LOADS, LINE LOADS, AND ANY OTHER LOADS NOTED ON THE STRUCTURAL DRAWINGS.

COLD-FORMED STEEL FRAMING NOTES:

- THESE NOTES APPLY TO THE STEEL STUD FRAMING COMPRISING THE PARAPETS, SLOTTES, AND INTERIOR WALLS. ENGINEERED SHOP DRAWINGS SHALL BE PROVIDED.
- THE MINIMUM UNFACTORED DESIGN WIND LOADING IS 1.21 kN/m DETERMINED BY O.B.C. REQUIREMENTS AND CAN-S136. DEFLECTION IS LIMITED TO L/360 FOR BRICK VENEER.
- THE DESIGN OF THE FRAMING SYSTEM IS BASED ON PUBLISHED STUD SECTION PROPERTIES BY BAILEY METAL PRODUCTS LIMITED.
- THE MINIMUM BASE METAL THICKNESS FOR ALL METAL WALL COMPONENTS, EXCLUDING CORNICES, ARE NOTED ON THE DRAWINGS.
- STEEL METE'S THE REQUIREMENTS OF A.S.T.M. A593/A593M SS GRADE 33 (230) FOR 1.22mm (1/8") GAL MATERIAL AND THINNER, AND SS GRADE 50 (340) CLASS 1 FOR 1.52mm (1/8") GAL MATERIAL.
- GALVANIZING TO BE HOT-DIP PROCESS. 90% (275).
- METHOD OF CONSTRUCTION SHALL BE BY STOCK BUILDING ON SITE.
- CONNECTIONS SHALL BE ACCOMPLISHED BY SELF-DRILLING SCREWS AND OTHER FASTENERS AS SHOWN ON THESE DRAWINGS. PENETRATION BEYOND JOINTED MATERIALS SHALL BE NOTED WITHOUT WRITTEN CONSENT WITH A MINIMUM COATING THICKNESS OF 0.03mm ZINC OF CADMIUM PLATES. NO BLACK CONNECTIONS WILL BE ACCEPTED. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.
- SCREWS COVERED BY SHEATHING MATERIALS SHALL HAVE LOW PROFILE HEADS.
- WIRE TYING IS NOT PERMITTED IN STRUCTURAL APPLICATIONS.
- CUTTING OF STEEL FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. NO TORCH OR MANUAL CUTTING IS PERMITTED.
- SPACING OF STUDS OR TRACK IS NOT PERMITTED EXCEPT AS NOTED ON DRAWINGS.
- BRIDGINGS SHALL BE OF SIZE, SPACING AND TYPE SHOWN ON THE DRAWINGS AND SHALL BE INSTALLED SO AS TO PROVIDE A MINIMUM OF 25mm (1") CLEARANCE AND ROTATION OF STUDS. PROVIDE BRIDGINGS AT 1200mm (48") C/C MAXIMUM.
- TEMPORARY BRACING SHALL BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.
- STUDS SHALL BEAT INTO TOP AND BOTTOM TRACKS WITH THE GAP BETWEEN THE END OF THE STUD AND THE END OF THE TRACK NOT TO EXCEED 3mm (1/8").
- VERTICAL ALIGNMENT (PLUMBNESS) OF STUDS SHALL BE WITHIN 1/1000 OF THE SPAN.
- HORIZONTAL ALIGNMENT (LEVELNESS) OF WALLS SHALL BE WITHIN 1/1000 OF THEIR RESPECTIVE LENGTHS.
- SPACING OF STUDS SHALL BE WITHIN 3mm (1/8") FROM DESIGN SPACING PROVIDED THAT CUMULATIVE ERRORS SHALL NOT EXCEED THE REQUIREMENTS OF THE FINISHING MATERIALS.

TESTING AND INSPECTIONS:

- THIRD-PARTY TESTING AND INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS AND AS NOTED ON THE DRAWINGS. INSPECTION REQUIREMENTS NOTED IN THE PROJECT SPECIFICATIONS SHALL SUPERSEDE THE FOLLOWING REQUIREMENTS.
- TESTING OF THE FOOTING SUBGRADE SHALL BE PROVIDED PRIOR TO ALL CONCRETE POURS TO ENSURE COMPLIANCE WITH THE BEARING CAPACITIES NOTED ON THE DRAWINGS. PLANS AND SPECIFICATIONS SHALL BE PROVIDED TO THE ENGINEER. INSPECTIONS SHALL BE NOTIFIED IMMEDIATELY IF EXCAVATIONS ARE REQUIRED TO EXTEND BEYOND THE NOTED FOOTING ELEVATIONS.
- CONCRETE REINFORCING SHALL BE PROVIDED FOR CONFORMANCE TO THE STRUCTURAL DRAWINGS PRIOR TO EVERY CONCRETE POUR.
- COMPRESSION TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH CSA A23.1. A MINIMUM OF ONE TEST PER FLOOR IN ACCORDANCE WITH CSA A23.1. A MINIMUM OF FIVE TESTS OF EACH SIZE OF CONCRETE BLOCK SHALL BE TESTED.
- MORTAR CURE COMpressive STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 600 m² OF MASONRY FOR A PROJECT HAVING MORE THAN 500 m² OF MASONRY AND ONCE FOR EACH 200 m² OF MASONRY FOR A PROJECT HAVING LESS THAN 500 m² OF MASONRY. FOR EACH CURE, THE TEST SHALL BE PROVIDED BY THE ENGINEER.
- FOR EACH COMpressive STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 20 m² OF GROUT FOR A PROJECT HAVING MORE THAN 20 m² OF GROUT AND ONCE FOR EACH 10 m² OF GROUT FOR A PROJECT HAVING LESS THAN 20 m² OF GROUT. FOUR SAMPLES SHALL BE TAKEN FOR EACH TEST.
- STRUCTURAL, STEEL INSPECTIONS AND TESTING SHALL BE AS FOLLOWS:
 - THE ROOF DIAPHRAGM AND CHORD MEMBERS SHALL BE INSPECTED BY A CERTIFIED T.E.
 - WELDED CONNECTIONS SHALL BE INSPECTED IN ACCORDANCE WITH CSA S16. VERIFICATION OF CONNECTION FIT-UP AND BOLT TENSION SHALL BE PROVIDED.
 - WELDED CONNECTIONS SHALL BE INSPECTED IN ACCORDANCE WITH CSA S16 AND CSA W59. VISUAL INSPECTIONS SHALL BE PROVIDED TO ENSURE PROPER CONNECTIONS AND TO VERIFY THE QUALITY OF THE WELDS.
 - INSPECTION FREQUENCY SHALL BE A MINIMUM OF ONCE PER FLOOR OR ONCE PER ERECTION PHASE.
- ETAL DECK THICKNESS, COATING GRADE, SPOT WELDS, MECHANICAL FASTENERS, AND CRIMPING SHALL BE INSPECTED BY A CERTIFIED INSPECTOR AT LEAST ONCE PER LEVEL.

LOADING SUMMARY

DESIGN STANDARDS

ONTARIO BUILDING CODE, 2010, PART 4: STRUCTURAL DESIGN
CANCSA A23.3-14, DESIGN OF CONCRETE STRUCTURES
CANCSA A23.4-14, DESIGN OF PRECAST CONCRETE STRUCTURES
CANCSA S304-14, MASONRY DESIGN FOR BUILDINGS
CANCSA S16-14, LIMIT STATES DESIGN OF STEEL STRUCTURES
CANCSA S136-16, DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS

SNOW, ICE AND RAIN LOADS

IMPORTANCE FACTOR, I_s : 0.9 (SLS) - 1.15 (ULS)
DRAINAGE FACTOR, I_d : 1.4 MPa
ASSOCIATED RAIN LOAD, S_r : 0.4 MPa
WIND EXPOSURE FACTOR, E : 1.4 MPa
ROOF SNOW LOAD, S : 1.47 MPa
DRAFT LOADS PER CLAUSE 4.1.6.2.9
SLOPE FACTORS PER CLAUSE 4.1.6.2.9 (5) TO (7)

WIND LOADS

APPLIED PER OBC, PART 4, SECTION 4.1.7
IMPORTANCE FACTOR, I_s : 0.75 (SLS) - 1.15 (ULS)
REFERENCE WIND SPEED, V : 44 MPa
REF: 1.5
FOR WHOLE & MAIN STRUCTURAL MEMBERS
FOR SMALL ELEMENTS INCLUDING CLADDING
FOR INTERNAL PRESSURES
FOR WHOLE & MAIN STRUCTURAL MEMBERS
FOR SMALL ELEMENTS INCLUDING CLADDING
FOR INTERNAL PRESSURES
STRUCTURAL COMMENTARY (PART II), COMMENTARY B.

SEISMIC LOADS

APPLIED PER OBC, PART 4, SECTION 4.1.8
IMPORTANCE FACTOR, I_s : 1.3 (ULS)
FOR 3-DIRIED SLABS PROVIDE 10mm (1/2") NEOPRENE BEARING PADS AT ALL BEARING LOCATIONS. FOR FLAT SLABS PROVIDE 3mm (1/8") MASONRY BEARING PADS AT ALL BEARING LOCATIONS.
DESIGN SLABS FOR AN UNFACTORED LINE LOAD OF 0.1 kN/m AT ROCK PARTITION WALLS AND PROVIDE SOLID SLABS AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
SOLID SLABS SHALL BE PROVIDED AS REQUIRED AT THE DISCRETION OF THE PRECASTER TO SUPPORT MECHANICAL UNITS, CANTILEVERS, SIDE CANTILEVERS, DIAPHRAGM LOADS, LINE LOADS, AND ANY OTHER LOADS NOTED ON THE STRUCTURAL DRAWINGS.

SEISMIC SNAY BRACING

ARTICLE 1.8.1.1 OF THE ONTARIO BUILDING CODE STATES THE FOLLOWING: FOR SEISMIC CATEGORY S1 OR S2, SEISMIC SNAY BRACING IS NOT REQUIRED FOR CONCRETE, COLD-FORMED STEEL, AND TEMPORARY SHORING. FOR SEISMIC CATEGORY S3, SEISMIC SNAY BRACING IS REQUIRED FOR CONCRETE, COLD-FORMED STEEL, AND TEMPORARY SHORING. THIS BUILDING HAS A SEISMIC CATEGORY S3 AND THEREFORE SEISMIC SNAY BRACING IS REQUIRED.

FLOOR LOADS

APPLIED PER OBC, PART 4, TABLE 4.1.3
SEMINAR ROOMS: 2.4 kPa (50.0 PSF)
HALLWAYS: 2.4 kPa (50.0 PSF)
STAIRWAYS: 2.4 kPa (50.0 PSF)
SHOWERS AND BATHS: 2.4 kPa (50.0 PSF)
STAIRS AND EXITS: 2.4 kPa (50.0 PSF)
MECHANICAL ROOMS: 2.4 kPa (50.0 PSF)
ACAO STORAGE: 2.4 kPa (50.0 PSF)
STAGE: 2.4 kPa (50.0 PSF)

DESIGN LOADING

A) DEAD:
4" x 1/2" ASPHALT & GRAVEL: 0.32 kPa
150 RIGID INSULATION: 0.04 kPa
MEAL ALLOWANCE: 0.025 kPa
CEILING: 0.025 kPa
TOTAL: 0.405 kPa
B) FLOORS:
FLOORING: 0.025 kPa
30 TYPING: 0.025 kPa
MEAL ALLOWANCE: 0.025 kPa
CEILING: 0.025 kPa
TOTAL: 0.100 kPa

PLUS MECHANICAL UNITS AND 1/4" x 1/4" ROOF RAVERS:
254HOLLOW CORE PRECAST CONCRETE SLABS: 1.354 kPa
30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa

PLUS 1/4" x 1/4" PARTITION LOAD IN CLASSROOM AREAS:
254HOLLOW CORE PRECAST CONCRETE SLABS: 1.354 kPa
30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa
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30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa

PLUS 1/4" x 1/4" PARTITION LOAD IN CLASSROOM AREAS:
254HOLLOW CORE PRECAST CONCRETE SLABS: 1.354 kPa
30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa

PLUS 1/4" x 1/4" PARTITION LOAD IN CLASSROOM AREAS:
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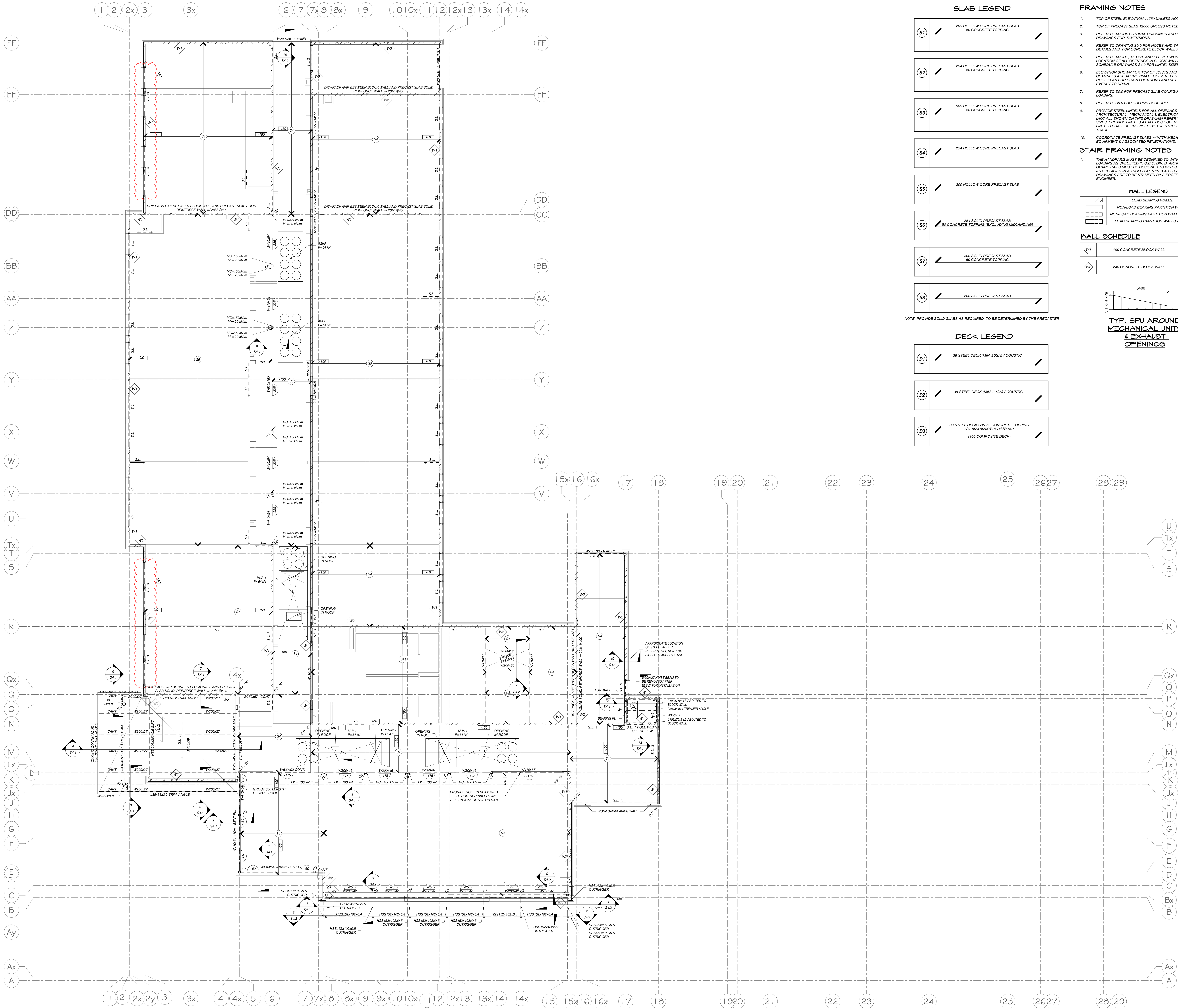
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254HOLLOW CORE PRECAST CONCRETE SLABS: 1.354 kPa
30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa

PLUS 1/4" x 1/4" PARTITION LOAD IN CLASSROOM AREAS:
254HOLLOW CORE PRECAST CONCRETE SLABS: 1.354 kPa
30HOLLOW CORE PRECAST CONCRETE SLABS: 1.104 kPa

PLUS 1/4" x 1/4" PARTITION LOAD IN CLASSROOM



SLAB LEGEND

S1	203 HOLLOW CORE PRECAST SLAB 50 CONCRETE TOPPING
S2	254 HOLLOW CORE PRECAST SLAB 50 CONCRETE TOPPING
S3	305 HOLLOW CORE PRECAST SLAB 50 CONCRETE TOPPING
S4	254 HOLLOW CORE PRECAST SLAB
S5	300 HOLLOW CORE PRECAST SLAB
S6	254 SOLID PRECAST SLAB 50 CONCRETE TOPPING (EXCLUDING ISLANDING)
S7	300 SOLID PRECAST SLAB 50 CONCRETE TOPPING
S8	200 SOLID PRECAST SLAB

NOTE: PROVIDE SOLID SLABS AS REQUIRED, TO BE DETERMINED BY THE PRECASTER

DECK LEGEND

D1	38 STEEL DECK (MIN. 20GA) ACOUSTIC
D2	38 STEEL DECK (MIN. 20GA) ACOUSTIC
D3	38 STEEL DECK C/W 60 CONCRETE TOPPING C/W 125x125MM @ 500MM C/S (100 COMPOSITE DECK)

FRAMING NOTES

- TOP OF STEEL ELEVATION 11750 UNLESS NOTED **FINISH** +0.0
- TOP OF PRECAST SLAB 12000 UNLESS NOTED **FINISH** +0.0
- REFER TO ARCHITECTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR DIMENSIONS.
- REFER TO DRAWING S0.0 FOR NOTES AND S4.0 STANDARD DETAILS AND FOR CONCRETE BLOCK WALL REINFORCING.
- REFER TO ARCHIT. MECH. AND ELEC. DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
- ELEVATION SHOWN FOR TOP OF JOISTS AND ROOF CHIMNEYS ARE APPROXIMATE ONLY. REFER TO ARCHIT. ROOF PLAN FOR DRAIN LOCATIONS AND SET STEEL TO FALL EVENLY TO DRAIN.
- REFER TO S0.0 FOR PRECAST SLAB CONFIGURATION AND LOADING.
- REFER TO S0.0 FOR COLUMN SCHEDULE.
- PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES. PROVIDE LINTELS AT ALL DUCT OPENINGS. ALL LINTELS SHALL BE PROVIDED BY THE STRUCTURAL STEEL TRADE.
- COORDINATE PRECAST SLABS w/ WITH MECHANICAL EQUIPMENT & ASSOCIATED PENETRATIONS.

STAIR FRAMING NOTES

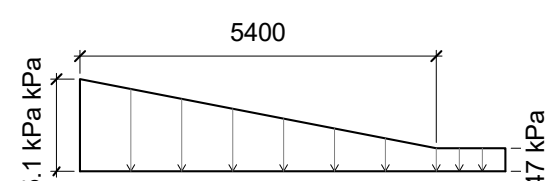
- THE HANDRAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN U.S.C. DIV. B, ARTICLE 3.4.4.4 & GUARD RAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN ARTICLES 3.1.5.1.6 & 4.1.3.1.7. SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER.

WALL LEGEND

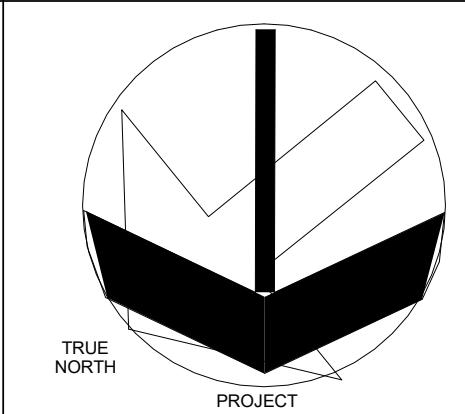
W1	LOAD BEARING WALLS.
W2	NON-LOAD BEARING PARTITION WALLS.
W3	NON-LOAD BEARING PARTITION WALLS ABOVE.
W4	LOAD BEARING PARTITION WALLS ABOVE.

WALL SCHEDULE

W1	190 CONCRETE BLOCK WALL
W2	240 CONCRETE BLOCK WALL



TYP. SJU AROUND MECHANICAL UNITS & EXHAUST OPENINGS



NO.	REVISIONS	DATE
1	ISSUED FOR STRUCTURAL ADD. No.1	26-01-28
2	ISSUED FOR TENDER	26-01-13
3	ISSUED FOR PERMIT	25-03-21
4	ISSUED FOR COORDINATION	24-06-21
5	ISSUED FOR 90%	23-12-08
6	ISSUED FOR 90%	23-11-24
7	ISSUED FOR 90%	23-10-16

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS FOR PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.



OAKVILLE #5 PUBLIC SCHOOL
3480 PRESERVE DRIVE OAKVILLE, ON

LEGAL DESCRIPTION:
BLOCKS XX, REGISTERED PLAN 03A/XXV
TOWN OF OAKVILLE, REGION OF HALTON



HALTON DISTRICT SCHOOL BOARD
1400 GERRARD STREET EAST, SUITE 100
BURLINGTON, ON. L7R 3Z2
TEL: (905) 335-3400
FAX: (905) 335-9802

ROOF FRAMING PLAN

HOSSACK & ASSOCIATES ARCHITECTS
4-218 DUNDAS STREET WEST
SUITE 200, OAKVILLE, ON. L7L 1C2
TEL: (905) 845-1111
FAX: (905) 845-1111

SCALE	As indicated	PROJECT	19001
DATE	FEB. 2019	DRAWING	S3.2
DRAWN	S.NAVE	CHECKED	G.F.
PRINT DATE	1/28/2026 12:02:41 PM	REVIT FILE	22261 - Hossack - Oakville 5 R02.rvt

January 27, 2026

Client: Hossack Architecture
105-1939 Ironoak Way
Oakville, ON L6H 3V8

RE: Oakville #5 Elementary School
Oakville, ON

Job #: 22383

Attn: Kevin Barlaan, Dip. Arch. Tech., B.S.Arch./Priscilla Ladouceur/Christine Stasevich

ADDENDUM 01

MECHANICAL

Item 1

- 1.0 Reference Drawing M401 and Attached Sketch AD01-M01
- .1 In Gym Storage 164A, revise ductwork as indicated on attached sketch AD01-M01.

Item 2

- 2.0 Reference Drawing M402
- .1 In Co-Lab 249, add the following note to exhaust duct going up:
 - .1 "350 x 200 EA duct up through roof to EF-10".

ELECTRICAL

Item 1

- 1.0 Reference Attached Reissued Drawing E3.1
- .1 Electric heater (type E) in WR 160 is to be installed at a high level.
 - .2 Electric heater within Vest. 101 is to be changed to new type 'K' heater. Feed from new 20A-3P breaker within panel 3M1. Existing breakers can be replaced with spaces.
 - .3 Provide new type 'K' heater with Vest. 101 on opposite side of existing heater. Feed from new 20A-3P breaker within panel 3M1.

Item 2

- 2.0 Reference Attached Reissued Drawing E3.2
- .1 Electric heater (type C) in Co-Lab 239 is to be fed from below.

Item 3

- 3.0 Reference Attached Reissued Drawings E3.3 and E3.4
- .1 Relocate power connection for EF-10 (mechanical item 116) to lower roof as shown on attached reissued drawing E3.3. Revise source panel as noted.



Item 4

4.0 Reference Attached Reissued Drawing E8.1

- .1 Fixture type (L6) revised from surface mount to recessed.
- .2 Added heater type 'k'.

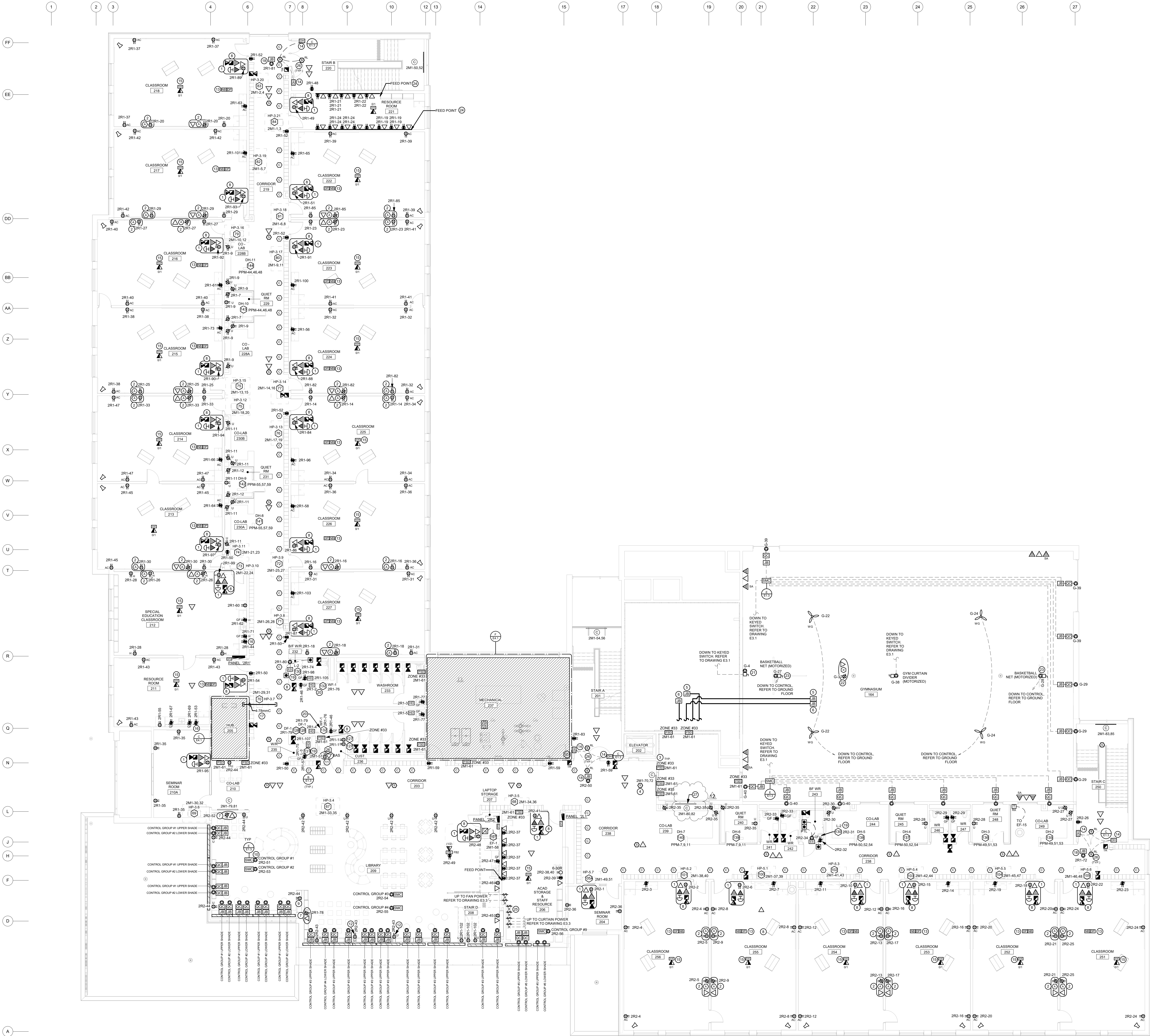


Dustin McConkey, LEL

Partner

22383 Addendum 01 (M&E-Ductwork Updates)(var. reissued dwgs) Jan 27 26
ct/ap/kk

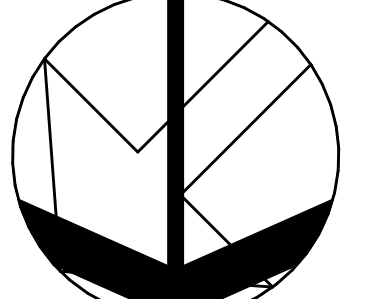




SECOND FLOOR POWER & SYSTEMS PLAN
SCALE: 1:100

GENERAL NOTES		
A	ALL RECEPTACLES ARE TO BE TAMPER RESISTANT TYPE PER LATEST EDITION OF ONTARIO ELECTRICAL SAFETY CODE.	
B	ALL RECEPTACLES EXPOSED TO WEATHER ARE TO BE PROVIDED WITH EXTRA DUTY IN-USE WEATHER PROOF COVERS.	
C	EXACT LOCATION OF ALL DEVICES AND RESPECTIVE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND OWNER PRIOR TO ROUGH-IN.	
D	CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION OF ELECTRICAL SERVICES.	
E	ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REQUIRED TO ACCOMMODATE INSTALLATION. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS AND REQUIREMENTS.	
F	ELECTRICAL CONTRACTOR SHALL NOT USE PULLBOXES AS SUBSTITUTES FOR 90 DEGREE BENDS.	
G	ALL COMMUNICATION SYSTEM ZONE CONDUITS PROVIDED BY ELECTRICAL CONTRACTOR SHALL BE C/W PULLSTRINGS. ALL CONDUITS SHALL BE EMT C/W BUSHINGS AND RUBBERIZED GROMMETS.	
H	MINIMUM WIRE SIZE #16AWG FOR ALL 120V CIRCUITS EXCEEDING 90 FEET IN LENGTH.	
I	ALL SMOKE ALARMS SPECIFIED WITHIN CHILDCARE CLASSROOMS ARE TO BE INTERCONNECTED SUCH THAT ACTIVATION OF ANY ALARM CAUSES ALL ALARMS TO SOUND.	
J	PROVIDE 5/8" STYLE O/I BREAKER FOR ALL HAND DRIVERS INSTALLED IN WASHROOMS TO MEET THE REQUIREMENTS OF SECTION 62-30 AND 62-32 IN THE ONTARIO SAFETY ELECTRICAL CODE. REFER TO PANEL SCHEDULE FOR FURTHER DETAILS AND REQUIREMENTS.	
SPECIFIC NOTES		
1	INDICATED DEVICES TO BE MOUNTED IN PREFABRICATED PANEL. REFER TO DETAIL NES.3.	
2	INDICATES DEVICES FOR SMARTBOARD PROJECTOR AND TEACHER COMMAND CONSOLE. REFER TO DETAIL NES.3 FOR FURTHER DETAILS AND REQUIREMENTS. EXACT MOUNTING HEIGHT FOR DEVICES TO BE COORDINATED ON SITE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. INDICATED DEVICES FOR SMARTBOARD PROJECTOR SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS. CONFIRM EXACT MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.	
3	PROVIDE 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED MECHANICAL CONTRACTOR SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE ONE DUAL CIRCUIT INPUT SUPERVE 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR AND ONE FOR INTEGRAL SMOKE DETECTOR ALARM SIGNAL.	
4	PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR MACHINE ROOM SMOKE DETECTOR IS ACTIVATED. PROVIDE REWIRED COMPONENTS, WIRING ACCESSORIES TO ELEVATOR CONTROLLER.	
5	INDICATES APPROXIMATE LOCATION TO TERMINATE 270V CONDUITS FOR FUTURE BRANCH CIRCUIT WIRING OF STAGE LIGHTING. PROVIDE JUNCTION BOX AT CEILING SPACE FOR FUTURE USE.	
6	INDICATES APPROXIMATE LOCATION TO TERMINATE 270V CONDUITS FOR FUTURE DAX CONTROL WIRING OF STAGE LIGHTING. PROVIDE JUNCTION BOX AT CEILING SPACE FOR FUTURE USE.	
7	INDICATES DEVICES TO BE INSTALLED FOR WALL MOUNTED TV. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT. INTERIOR DESIGNER AND OWNER PRIOR TO ROUGH-IN.	
8	INDICATED HORN TO BE SET TO LOW OR SETTING.	
9	INDICATED RECEPTACLE TO BE MOUNTED WITHIN MILLWORK. COORDINATE WITH ARCHITECTURAL TRADE AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.	
10	PROVIDE 120V POWER FOR SHADE MOTOR CONTROLLER (SMC) SUPPLIED AND INSTALLED IN CEILING SPACE BY SHADE SUPPLIER. PROVIDE ALL WIRING AND ELECTRICAL CONNECTIONS TO SHADE MOTOR CONTROLLER SWITCH BOX AND SHADE CONNECT C/W PRE-WIRED QUICK CONNECT. REFER TO DETAIL NES.3 FOR FURTHER DETAILS. COORDINATE EXACT LOCATION OF SHADE EQUIPMENT ON SITE WITH SHADE SUPPLIER PRIOR TO INSTALLATION.	
11	PROVIDE RECEPTACLE AND DATA OUTLET FOR BAS PANEL. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.	
12	INDICATES DEVICES TO BE MOUNTED ABOVE MILLWORK. PROVIDE TRENCHING UNDERNEATH FLOOR SLAB FOR POWER CONDUIT. COORDINATE REQUIREMENTS WITH MILLWORK SUPPLIER PRIOR TO ROUGH-IN.	
13	INDICATES DIGITAL FLOOD LIGHT CONTROLLER RELAY PACK AND ASSOCIATED NETWORK BRIDGE WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF MOTORIZED BASKETBALL NETS.	
14	INDICATES MOUNTING HOLD OPEN DEVICES PROVIDED AS PART OF THIS SCOPE OF WORK. HOLD OPEN DEVICES TO RELEASE UPON SIGNAL FROM FIRE ALARM PANEL PER DETAIL. FIRE ALARM WIRING DIAGRAM AND SPECIFICATIONS. COORDINATE EXACT LOCATION OF HOLD OPEN DEVICES WITH ARCHITECT TO SUIT DOWN SWITCH. PROVIDE MOUNTING BRACKET AS REQUIRED.	
15	INDICATES WIRELESS ACCESS POINT. PROVIDE 270V TO CORRIDOR CEILING SPACE FOR COMMUNICATIONS CONTRACTOR USE.	
16	PROVIDE 120V 20A RECEPTACLE FOR OWNER SUPPLIED MICROWAVE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL MILLWORK DRAWINGS PRIOR TO ROUGH-IN.	
17	INDICATES 270V CONDUITS TO BE PROVIDED BY ELECTRICAL CONTRACTOR FROM ROOM SHOWN TO CABLE MANAGEMENT SYSTEM FOR COMMUNICATIONS AND/OR SECURITY CONTRACTOR'S USE.	
18	PROVIDE 120V HANDWIRED POWER CONNECTION C/W JUNCTION BOX AND STEP DOWN TRANSFORMER (120V/240V) ABOVE ACCESSIBLE CEILING SPACE FOR MAGNETIC DOOR HOLD OPEN DEVICES. REFER TO DETAIL NES.3 AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.	
19	PROVIDE 120V CONNECTION TO LAVATORY SINK. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND PLUMBING SHOP DRAWINGS PRIOR TO ROUGH-IN.	
20	PROVIDE 120V CONNECTION TO WASH/FOUNTAIN. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND PLUMBING SHOP DRAWINGS PRIOR TO ROUGH-IN.	
21	PROVIDE 120V POWER FOR MOTORIZED PROJECTION SCREEN AND ASSOCIATED NETWORK BRIDGE WITHIN ACCESSIBLE CEILING SPACE. SWITCH LOCATED AS SHOWN. COORDINATE EXACT LOCATION AND REQUIREMENTS ON SITE WITH EQUIPMENT SUPPLIER. ALL COMPONENTS INCLUDING REMOTE LINE VOLTAGE SWITCH TO BE PROVIDED BY EQUIPMENT SUPPLIER.	
22	INDICATES DEVICES TO BE INSTALLED FOR CEILING MOUNTED PROJECTOR. COORDINATE EXACT LOCATION TO MOUNT DEVICES ON SITE WITH OWNER.	
23	INDICATES POWER CONNECTION FOR MOTORIZED BASKETBALL NET. THIS CONTRACTOR IS TO PROVIDE SINGLE GANG BOX ROUGH-IN. REFER TO DETAIL NES.3 FOR FURTHER DETAILS. REFER TO DETAIL NES.3 FOR KEY SWITCH OPERATOR AT 1000mm AFF AND CIRCUIT AS NOTED FOR BASKETBALL NET MOTOR. THIS CONTRACTOR IS TO CONNECT AND MAKE OPERABLE THE OPERATORS AND NET MOTOR COORDINATE WITH SHOP DRAWINGS.	
24	INDICATES TWO COMPARTMENT SURFACE MOUNTED NON-METALLIC RACEWAY MOUNTED AT 100mm ABOVE MILLWORK. CONFIRM ON SITE AND COORDINATE WITH MILLWORK INSTALLERS. RACEWAY TO BE C/W PLAT ELBOW AND ROSE TO CEILING SPACE. IN CEILING SPACE PROVIDE SERVICE ENTRANCE FITTING C/W 2.5mm ² TO LOCAL ZONE CONDUIT AND 15mm ² TO BRANCH PANEL.	
25	SHADE CONTROL SWITCH SYMBOLS SHOWN IN THIS AREA ARE DIAGRAMMATIC ONLY AND DO NOT REPRESENT ACTUAL INSTALLATION LOCATION. SWITCHES FOR ALL SHADE CONTROL GROUPS, INCLUDING GROUPS ON LEVEL ABOVE, ARE SHOWN HERE FOR COORDINATION PURPOSES ONLY. PROVIDE ONE KEYED SWITCH FOR EACH SHADE CONTROL GROUP. PROVIDE CLEAR PERMANENT LABELS AT EACH KEYED SWITCH TO INDICATE ITS ASSOCIATED SHADE CONTROL GROUP. COORDINATE FINAL SWITCH LOCATIONS AND LABEL NOMENCLATURE WITH SHADE SUPPLIER PRIOR TO ROUGH-IN. REFER TO DETAIL NES.3 FOR ALL WIRING REQUIREMENTS.	
26	INDICATED DETECTOR C/W RELAY BASE FOR RELEASE OF ELECTRICIAN TO INVESTIGATE. REFER TO DETAIL NES.3 FOR FURTHER DETAILS AND REQUIREMENTS. WHEN INDICATED DEVICES IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS TO CLOSE AND CAUSE ASSOCIATED DOOR HOLDS TO RELEASE. THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY FROM THE FIRE ALARM PANEL ON GENERAL ALARM SHALL CAUSE DOOR HOLDS TO RELEASE. REFER TO DETAIL.	
27	FEED INDICATED DEVICES FROM BELOW.	

NOTES: CIRCUIT LABELS		
PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL TIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.		
REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.		



OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE
OAKVILLE, ON

LEGAL DESCRIPTION

BLOCK XX
REGISTERED PLAN XXXXX
TOWN OF OAKVILLE
REGION OF HALTON

MALTON DISTRICT SCHOOL BOARD
1100 KINGSTON RD. S. UNIT 100
BURLINGTON, ON L7R 2Z2
TEL: (905) 335-3883
FAX: (905) 335-3882

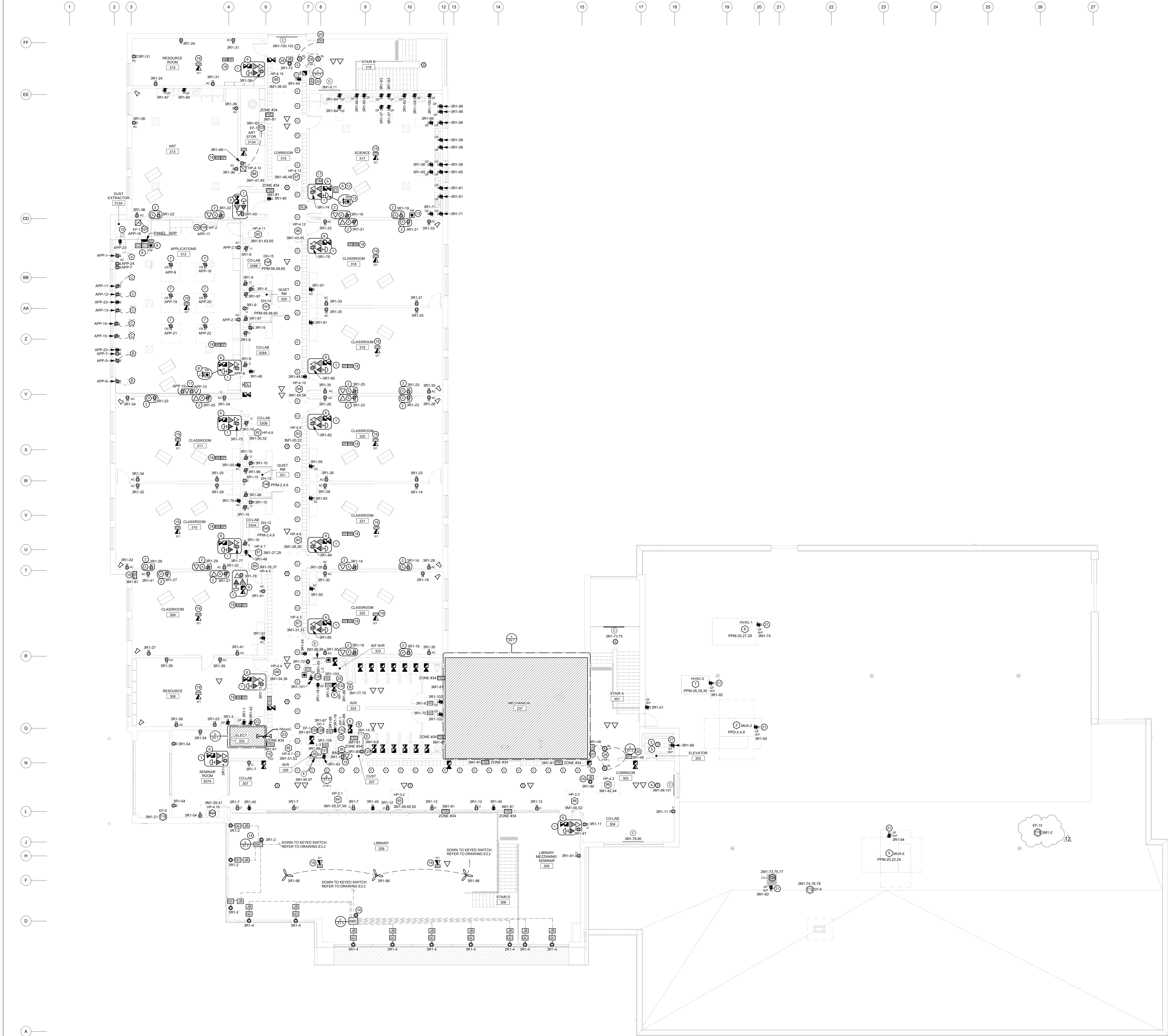
SECOND FLOOR
POWER & SYSTEMS
PLAN

HOSSACK & ASSOCIATES
ARCHITECTS

15 Northland Road
Windsor, ON N9A 1Y8
Phone: (519) 253-2554
Mobile: (519) 253-2554
Project Number: 22-0381

DEI
Consulting Engineers

MECHANICAL ELECTRICAL / AQUATIC
SCALE: As Indicated
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DATE: 26-01-13
DRAWN: CT
CHECKED: DM
PRINT DATE: 2026-01-27 12:50:43 PM
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THIRD FLOOR POWER & SYSTEMS PLAN
SCALE: 1:100

GENERAL NOTES

A ALL RECEPTACLES ARE TO BE TAMPER RESISTANT TYPE PER LATEST EDITION OF ONTARIO ELECTRICAL SAFETY CODE.

B ALL RECEPTACLES EXPOSED TO WEATHER ARE TO BE PROVIDED WITH EXTRA DUTY IN-USE WEATHER PROOF COVERS.

C EXACT LOCATION OF ALL DEVICES AND RESPECTIVE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND OWNER PRIOR TO ROUGH-IN.

D CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION OF ELECTRICAL SERVICES.

E ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REQUIRED TO ACCOMMODATE INSTALLATION. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS AND REQUIREMENTS.

F ELECTRICAL CONTRACTOR SHALL NOT USE PULLBOXES AS SUBSTITUTES FOR 90 DEGREE BENDS.

G ALL COMMUNICATION SYSTEM ZONE CONDUITS PROVIDED BY ELECTRICAL CONTRACTOR SHALL BE C/W PULLSTRING. ALL CONDUITS SHALL BE EMT C/W BUSHINGS AND RUBBERIZED GROMMETS.

H MINIMUM WIRE SIZE #16AWG FOR ALL 120V CIRCUITS EXCEEDING 90 FEET IN LENGTH.

I ALL SMOKE ALARMS SPECIFIED WITHIN CHILDCARE CLASSROOMS ARE TO BE INTERCONNECTED SUCH THAT ACTIVATION OF ANY ALARM CAUSES ALL ALARMS TO SOUND.

J PROVIDE 5/8" STYLE OF BREAKER FOR ALL HAND DRIVERS INSTALLED IN WASHROOM TO MEET THE REQUIREMENTS OF SECTION 62-30 AND 62-32 IN THE ONTARIO SAFETY ELECTRICAL CODE. REFER TO PANEL SCHEDULE FOR FURTHER DETAILS AND REQUIREMENTS.

SPECIFIC NOTES

1 INDICATED DEVICES(S) TO BE MOUNTED IN PREFABRICATED PANEL. REFER TO DETAIL NET 3.

2 INDICATES DEVICES FOR SMARTBOARD PROJECTOR AND TEACHER COMMAND CONSOLE. REFER TO DETAIL NET 3 FOR FURTHER DETAILS AND REQUIREMENTS. EXACT MOUNTING HEIGHT FOR DEVICES TO BE COORDINATED ON SITE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. INDICATED DEVICES FOR SMARTBOARD PROJECTOR SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS. CONFIRM EXACT MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.

3 PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR SHUNT SMOKE DETECTOR IS ACTIVATED. PROVIDE REQUIRED COMPONENTS AND WIRING ACCESSORIES TO ELEVATOR CONTROLLER.

4 PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR MACHINE ROOM SMOKE DETECTOR IS ACTIVATED. PROVIDE REQUIRED COMPONENTS, WIRING ACCESSORIES TO ELEVATOR CONTROLLER.

5 MOUNT INDICATED SMOKE DETECTOR AT THE TOP OF ELEVATOR SHUNT.

6 INDICATED HORN TO BE SET TO LOW OR SETTINGS.

7 REFER TO DETAIL NET 3 FOR RECEPTACLE ASSEMBLY INSTALLATION REQUIREMENTS.

8 REFER TO DETAIL NET 3 FOR EMERGENCY STOP CONTROL REQUIREMENTS FOR TECH ROOM PANEL.

9 MOUNT CONTACTORS INDICATED ON WALL ABOVE PANEL.

10 INDICATES STARTER PROVIDED BY MECHANICAL CONTRACTOR FOR CONTROL OF DUST EXTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ADDITIONAL SET OF DRY CONTACTS WITHIN STARTER. C/W LOW VOLTAGE WIRING FOR CONNECTION TO EMERGENCY STOP CONTROL SYSTEM AND ASSOCIATED CONTRACTORS.

11 INDICATES DEVICES FOR FUTURE COMPUTER MONITOR STATIONS TO BE PROVIDED BY OWNER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

12 INSTALL INDICATED DEVICES FLUSH MOUNTED IN CONTROL PANEL ADJACENT TO THERMOSTAT.

13 REFER TO DETAIL NET 3 FOR EMERGENCY CONTROL FOR SCIENCE ROOM PANEL.

14 PROVIDE 120V POWER FOR SHADE MOTOR CONTROLLER (SMC) SUPPLIED AND INSTALLED IN CLOSET SPACE. SHADE SUPPLIER PROVIDE ALL WIRING AND INTER CONNECTIONS BETWEEN L.V. SHADE CONTROL, SWITCH BOX AND SHADE CONNECT C/W PRE-WIRED QUICK CONNECT. REFER TO DETAIL NET 3 FOR FURTHER DETAILS. COORDINATE EXACT LOCATION OF SHADE EQUIPMENT ON SITE WITH SHADE SUPPLIER PRIOR TO INSTALLATION.

15 PROVIDE RECEPTACLE AND DATA OUTLET FOR BAS PANEL. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

16 PROVIDE 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE ONE DUAL CIRCUIT RPIIT MONITORING MODULE PER SMOKE/FIRE DAMPER. ONE TO SUPPLY 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR AND ONE FOR INTEGRAL SMOKE DETECTOR ALARM SIGNAL.

17 INDICATES FIRE ALARM SHUTDOWN CONNECTION AT SCIENCE ROOM GAS SOLenoid. REFER TO FIRE ALARM DISTRIBUTION RISER.

18 INDICATES DIGITAL PLUG LOAD CONTROLLER RELAY PACK AND ASSOCIATED NETWORK BRIDGE WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED AUTOMATICALLY CONTROLLED RECEPTABLES. REFER TO LIGHTING CONTROL DETAILS.

19 INDICATES WIRELESS ACCESS POINT. PROVIDE 2mmC TO CORRIDOR CEILING SPACE FOR COMMUNICATIONS CONTRACTOR USE.

20 INDICATES MAGNETIC HOLD OPEN DEVICE PROVIDED AS PART OF THIS SCOPE OF WORK. HOLD OPEN DEVICE TO RELEASE UPON SIGNAL FROM FIRE ALARM SYSTEM PER DETAIL. FIRE ALARM RISER DIAGRAM AND SPECIFICATIONS. COORDINATE EXACT LOCATION OF HOLD OPEN DEVICE WITH ARCHITECT. TO SHUT DOOR SWITCH. PROVIDE MOUNTING BRACKET AS REQUIRED.

21 PROVIDE 1-5/8" GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL CONTRACTOR. INDICATED DEVICE IS TO BE MOUNTED 4" 30" ABOVE FINISHED ROOF LEVEL.

22 PROVIDE 120V 25A RECEPTACLE FOR OWNER SUPPLIED MICROWAVE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL MILLWORK DRAWINGS PRIOR TO ROUGH-IN.

23 INDICATES ZONE CONDUITS TO BE PROVIDED BY ELECTRICAL CONTRACTOR FROM ROOM SHOWN TO CABLE MANAGEMENT SYSTEM FOR COMMUNICATION AND/OR SECURITY CONTRACTORS USE.

24 PROVIDE 120V HANDWIRED POWER CONNECTION C/W JUNCTION BOX AND STEP DOWN TRANSFORMER (120V/240V ABOVE ACCESSIBLE CEILING SPACE) FOR MAGNETIC DOOR HOLD OPEN DEVICES. REFER TO DETAIL NET 3 AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

25 PROVIDE 120V CONNECTION TO WASH FOUNTAIN. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND PLUMBING SHOP DRAWINGS PRIOR TO ROUGH-IN.

26 PROVIDE 120V CONNECTION TO LAVATORY SINK. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND PLUMBING SHOP DRAWINGS PRIOR TO ROUGH-IN.

27 INDICATES RECEPTACLE TO BE MOUNTED AT TOP OF ELEVATOR SHUNT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT ON SITE WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.

28 INDICATED DETECTOR C/W RELAY BASE FOR RELEASE OF ELECTROMAGNETIC DOOR HOLDER AS SHOWN. LOCATE DETECTOR WITHIN 10" AND CENTRE OF DOOR BEING HELD OPEN. WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS TO CLOSE AND CAUSE DOOR BEING HELD OPEN TO RELEASE. THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY FROM THE FIRE ALARM PANEL ON GENERAL ALARM SHALL CAUSE DOOR HOLDS TO RELEASE. REFER TO DETAIL.

ITEM	DESCRIPTION	RECEPTACLE	WIRING/REMARKS
A	BELT SANDER	15A 120V 1P	2B12 T80 CU IN 18mmC
B	DRILL PRESS	15A 120V 1P	2B12 T80 CU IN 18mmC
C	SCROLL SAW	15A 120V 1P	2B12 T80 CU IN 18mmC

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL TIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACILITIES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE
OAKVILLE, ON

LEGAL DESCRIPTION

BLOCK XX
REGISTERED PLAN XXXXX
TOWN OF OAKVILLE
REGION OF HALTON

THIRD FLOOR POWER & SYSTEMS PLAN

HOSSACK & ASSOCIATES ARCHITECTS

15 Northland Road
Windsor, ON, N9A 1K6
Phone: 519-755-0555
Fax: 519-755-0555
Project Number: 22-01

DEI Consulting Engineers

MECHANICAL ELECTRICAL AQUATIC

SCALE: As Indicated

DATE: 26-01-13

DRAWN: CT

CHECKED: DM

PRINT DATE: 2026-01-27 12:50:46 PM

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FLOORBOX SCHEDULE									
Item	Quantity	Drawing Number	Type	Device	Finish	Flt	No. Gangs	Description	
F01	1	WIRING CD 1001	ON-GRAB	TWO (2) X 24" DUPLEX RECEPTABLES	TRD	YES	2	RECESSED CONCRETE FLOORBOX CD DEVICES AS NOTED AND FLANGED COVER ASSEMBLY COVER. STANDARD COVER FINISH TO BE CONFORMED BY ARCHITECT. PROVIDE 25mcc for POWER and 35mcc for COMMUNICATION CONTRACTORS USE TO DO CON BOX LOCATION AND CONDUIT SEAL. THIT	
F02	1	WIRING CD 1001	ON-GRAB	ONE (1) X 24" DUPLEX RECEPTABLE	TRD	YES	2	4" POKE THRU CONCRETE CD DEVICES AS NOTED AND FLANGED COVER ASSEMBLY COVER. STANDARD COVER FINISH TO BE CONFORMED BY ARCHITECT. PROVIDE 25mcc for POWER and 35mcc for COMMUNICATION CONTRACTORS USE TO DO CON BOX LOCATION AND CONDUIT SEAL. THIT	

HEATER SCHEDULE			
Type	Manufacturer	Model	Description
A	Outlet Canada	OAC03000 RT	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER CW RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: MINIMUM 100mm A.F.F.
B	Outlet Canada	OAC01500 RT	1500 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER CW RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT.
C	Outlet Canada	DMF1252 CW KIT-QT-MPT-028	1250 WATT 208 VOLT SINGLE PHASE BASEBOARD HEATER CW 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: 100mm A.F.F.
D	Outlet Canada	OAE5000	5000 WATT 208 VOLT SINGLE PHASE BASEBOARD HEATER CW CEILING MOUNTING BRACKET, AND STANDARD FACTORY FINISH. CONTRACTOR TO PROVIDE SEPARATE 208V-250V CONTACTOR FAN CW H-O-A, PILOT LIGHT, 120VAC-24V CONTROL RELAY, AND 24V COIL. COORDINATE WITH BAS TRAC FOR CONNECTION, REFER TO DRAWINGS FOR LOCATIONS. HEATER MOUNTING HEIGHT: 3000mm A.F.F.
E	Outlet Canada	DMF750 CW KIT-QT-MPT-028	750 WATT 208 VOLT SINGLE PHASE BASEBOARD HEATER CW INTEGRAL, THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: 100mm A.F.F. SEE DRAWINGS NOTED.
F	Outlet Canada	DMF1000 CW KIT-QT-MPT-028	1000 WATT 208 VOLT SINGLE PHASE BASEBOARD HEATER CW INTEGRAL, THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: 100mm A.F.F.
G	Outlet Canada	DCPL1000	1000 WATT 208 VOLT SINGLE PHASE KIDSGRADE HEATER. CONTRACTOR TO PROVIDE SEPARATE 208V-250V CONTACTOR FAN CW H-O-A, PILOT LIGHT, 120VAC-24V CONTROL RELAY, AND 24V COIL. COORDINATE WITH BAS TRAC FOR CONNECTION, REFER TO DRAWINGS FOR LOCATIONS. HEATER MOUNTING HEIGHT: 3000mm A.F.F. COORDINATE WITH MILLWORK. DRAW ONE SIDE PROFILE TO ROUND-INS.
H	OUTLET CANADA	PE-292V 150-208V CW PR-292V	208 VOLT 150 WATT CEILING FAN WITH 208 VOLT 150 WATT CEILING FAN RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: MINIMUM 100mm A.F.F.
I	Outlet Canada	OAC03038 RT	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER CW RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: MINIMUM 100mm A.F.F.
J	Outlet Canada	OAC03038 RT	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER CW RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: MINIMUM 100mm A.F.F.
K	Outlet Canada	OAC03038 RT	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER CW RECESSED MOUNTING BOX. 24V CONTROL RELAY WITH TRANSFORMER, AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. HEATER MOUNTING HEIGHT: MINIMUM 100mm A.F.F.

LIGHT FIXTURE SCHEDULE (EXTERIOR)

Item	Manufacturer/Catalog Number	Voltage	Lamp			Mounting	Listings	Description	
			Type	Length mm/in.	Cable Temperature °C/°F	Wattage	CRB		
P	McGraw-EDISON CAT #G4AN-SMB-700-90-6-AFCO-XHS POLE VALMONT CAT #E353-5000200-04-GV-XR; FIEBC AB ON EQUAL LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC GENIETY GIGACAT CAT #RPF-5-300-700-TLM-AB-CAT1-347-FWS	347V	LED	1070	3000K	11W	80	POLE IAD/BUS	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE SLT-F DISTRIBUTION OPTICS, FULL CUT OFF DARK SKY COMPLIANCE (IDA), 60MAH DRIVER, AND D-60MM Ø 5' (15m) SQUARE CLEAR FINISH, AND 1/8" Ø DIMMING DRIVER ARCHITECT TO CONFER PLANGE FINISH.
P1	McGraw-EDISON CAT #G4AN-SMB-700-90-6-AFCO-XHS POLE VALMONT CAT #E353-5000200-04-GV-XR; FIEBC AB ON EQUAL LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC GENIETY GIGACAT CAT #RPF-5-300-700-TLM-AB-CAT1-347-FWS	347V	LED	1070	3000K	11W	80	POLE IAD/BUS	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE SPWZ2 DISTRIBUTION OPTICS, FULL CUT OFF DARK SKY COMPLIANCE (IDA), 60MAH DRIVER, AND D-60MM Ø 5' (15m) SQUARE STRAIGHT STEEL POLE ON A BASE, ENTIRE ASSEMBLY SHALL BE FINISHED TO SUIT ARCHITECT.
	COOPER CAT #HC15010041007448612840-61MDHW LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC CAT TRV LIGHTGUER CAT #WRN-CE16M168270 SIGNIFY CAT #IMPD-LIC10603103	347V	LED	946	3000K	10W	80	RECESSED IP55	RECESSED (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGES Ø 60DEE BEAM REFLECTOR, SEMI-SPHERICAL CLEAR FINISH, AND 1/8" Ø DIMMING DRIVER ARCHITECT TO CONFER PLANGE FINISH.
	COOPER CAT #HC15010041007448612840-61MDHW LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC CAT TRV LIGHTGUER CAT #WRN-CE16M168270 SIGNIFY CAT #IMPD-LIC10603103	347V	LED	1011	3000K	20W	80	RECESSED IP55	RECESSED (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGES Ø 60DEE BEAM REFLECTOR, SEMI-SPHERICAL CLEAR FINISH, AND 1/8" Ø DIMMING DRIVER ARCHITECT TO CONFER PLANGE FINISH.
W	SIGNIFY CAT #HST-SA1C-750-9-14FT-X3 LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC CAT TRV SIGNIFY CAT #JRMW-M00-830-TLM-347	347V	LED	4058	3000K	45-2W	80	WALL IP66	COMPLETE CUT OFF TRIANGULAR LED WALLPACK FIXTURE C/W DARK SKY COMPLIANCE (IDA), 60MAH DRIVER, AND FINISH TO SUI.
W1	SIGNIFY CAT #HST-SA1C-750-9-13X-X3 LITONIA CAT #J851-1 LED 15W 340 TM 3P 80V AC CAT TRV SIGNIFY CAT #JRMW-M00-830-TLM-347	347V	LED	4078	3000K	45-2W	80	WALL IP66	COMPLETE CUT OFF TRIANGULAR LED WALLPACK FIXTURE C/W TYPE 1/2 WIDE DISTRIBUTION, FULL CUT OFF DARK SKY COMPLIANCE (IDA), 60MAH DRIVER, AND FINISH TO SUI.

1. LED LUMINAIRES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS, LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.

2. FROM NOTES ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OFFICIAL COLOUR CHART (R.A. COLOURS OR EQUAL). PROVIDE THIS COLOUR CODE TO THE FABRICATOR.

3. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND/OR VOLTAGE, OUTPUT, OR MOUNTING, PRIOR TO TENDER CLOSE. NO EXTRA WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY THE FABRICATOR. THE TIME OF THE FABRICATOR'S DELIVERING MEANS FOR A FIXTURE MATCHING THE FIXTURE NUMBER, VOLTAGE, AND NOTATIONS SHOWN ON DRAWING IS TO BE THE BASIS OF THE ORDER.

4. ALL FIXTURES OPERATING ON 347 VOLTS MUST BE PROVIDED WITH AN INTEGRAL DISCONNECTING MEANS FOR A FIXTURE MATCHING THE FIXTURE NUMBER, VOLTAGE, AND NOTATIONS SHOWN ON DRAWING IS TO BE THE BASIS OF THE ORDER.

5. EXTERIOR POLE MOUNTED FIXTURES ARE TO BE COW FIELD SELECTABLE OUTLUMENS.

LIGHT FIXTURE SCHEDULE (INTERIOR)

Item	Manufacturer/Catalog Number	Voltage		Lamp			Mounting	Listings	Description	
		Type	Temp	Length	Color Temperature	Wattage				
C1	VISA CAT. #PCP4351-400H-1MVL1-T19YV-04N80 #00000101 EUROPA CAT. #M41-36LED-40-120V-STEM-EM-WH	120V	LED	3000	3000	15.0W	80	SUSPENDED	NA	12" DIAMETER X 28" LONG LED PENDANT CYLINDER COW MATTE WHITE ACRYLIC CO-EXTRUSION, INTERIOR DIMMING, 10% 0-10V DIMMING DRIVER, AND CEILING CANOPY FIXTURE TO BE CONFIRMED BY ARCHITECT FROM STANDARD FINISHES.
DALS	COOPER CAT. #E001-WH CW #0000-36 ELITE CAT. #LED-14H-1-24L-3600-60VH	120V	LED	250	3000K	4.0W	90	SURFACE	NA	3 7/8" (70mm) DIAMETER LED UNDERBUILT PLUCK FIXTURE CW ALUMINUM HOUSING, PROTECTED LENS, AND WHITE FINISH. PROVIDE ONE (1) ARCHITECT SPECIFIED 12" (305mm) EXTENSION CORD PER RUN AND ALL CONNECTORS, MOUNTING ACCESSORIES, ETC. REQUIRED TO PROVIDE A COMPLETE INSTALLATION. ARCHITECT TO CONFIRM FINISH.
L1	COOPER CAT. #85KX-30SL-1400-1480-CD-1-U CW AYC-W-SNKN-SH-4FT-B LITHONIA CAT. #F24-L14-3000M-REF-RLS-WD-WOVC1-1G21-40K-BCR-CW WEGEWSWGLC24W SIGNIFY CAT. #REV0424481-BCST-UNO-DM-FR-126-SD-S6W0 (SET TO 4000K AND 4800LM)	120V	LED	4000	4000K	30W	80	SUSPENDED	NA	1 (1200mm) SURFACE LED STRIP LIGHT COW WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD.
L2	COOPER CAT. #85KX-30SL-1400-1480-CD-1-U CW AYC-W-SNKN-SH-4FT-B LITHONIA CAT. #F24-L14-3000M-REF-RLS-WD-WOVC1-1G21-40K-BCR-CW WEGEWSWGLC24W SIGNIFY CAT. #REV04255081-BCST-UNO-DM-FR-126-SD-S6W0 (SET TO 2500K AND 3000LM)	120V	LED	3170	4000K	25.0W	80	SUSPENDED	NA	1 (1200mm) SURFACE LED STRIP LIGHT COW WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD.
L3	COOPER CAT. #W8L2TPO4000-120V LITHONIA CAT. #F24-L14-80123-1MVL1-BWV3-BCR3 SIGNIFY CAT. #F54401-8000-4-12V	120V	LED	4100	4000K	44.0W	80	SUSPENDED	NA	1 (1200mm) SURFACE LED STRIP LIGHT COW WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD.
L5	COOPER CAT. #HLED-LD-24SE-W-AWG-UNV-L840-2-CD-2- WGBHLE-4FT-B LITHONIA CAT. #HD-2400LM REF AFL 120V 120V G21-40 BCR WOX SIGNIFY CAT. #REV042682-WH-WLFL-EPW2	120V	LED	24116	4000K	15.0W	80	SUSPENDED	NA	LED SEMI-FLUXURE COW WIDE DISTRIBUTION OPTIC, HSBM DIFFUSE ACRYLIC LENS, WIRE GUARD, AND TWO (2) 0-10V DIMMING DRIVERS. NOTE: FIXTURE MUST BE FASTENED TO STRUCTURAL MEMBERS SPANNING ACROSS THE TOP OF THE BOTTOM CHORD OF THE ACISTS. SUSPENSION AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
L6	30 LIGHTING CAT. #EG-41LD-0500-500-40-UNV-DM-FX-120-8 MARK CAT. #EGD-11P-8T BSL5L BCR 40K 500LM MINI SCT INVDLT XXX ZT AXIS CAT. #REBLED-500-80-40-S-D-8-X-UNV-DP-1	120V	LED	4000	4000K	30.0W	80	RECESSED	NA	1 (1200mm) LONG X 4" (102mm) WIDE DIRECT RECESSED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
R	COOPER CAT. #HLED-100-120V-0-10V-800-40-UNV-DM-FX-120-4 LITHONIA CAT. #HED-100-120V-0-10V-800-40-UNV-DM-FX-120-4 SIGNIFY CAT. #REV042682-WH-WLFL-EPW2	120V	LED	949	4000K	10.0W	80	RECESSED	NA	1 (100mm) LONG X 4" (102mm) WIDE DIRECT RECESSED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
S1	30 LIGHTING CAT. #EG-4PLD-100-580-40-UNV-DM-FX-120-4 MARK CAT. #EGD-11P-8T BSL5L BCR 40K 1000LM MINI SCT INVDLT XXX ZT F237A ROTOVAX XCERD CPL AXIS CAT. #HLED100-580-40-S-D-8-X-UNV-DP-1-CT148)	120V	LED	3000	4000K	30W	80	SUSPENDED	NA	1 (1200mm) LONG X 4" (102mm) WIDE DIRECT SUSPENDED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
S3	30 LIGHTING CAT. #EG-4PLD-070-580-40-UNV-DM-FX-120-8 MARK CAT. #EGD-11P-8T BSL5L BCR 40K 750LM MINI SCT INVDLT XXX ZT F237A ROTOVAX XCERD CPL AXIS CAT. #HLED100-580-40-S-D-8-X-UNV-DP-1-CT148)	120V	LED	4000	4000K	30.0W	80	SUSPENDED	NA	1 (1200mm) LONG X 4" (102mm) WIDE DIRECT SUSPENDED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
S4	30 LIGHTING CAT. #EG-4PLD-050-580-40-UNV-DM-FX-120-8 MARK CAT. #EGD-11P-8T BSL5L BCR 40K 500LM MINI SCT INVDLT XXX ZT F237A ROTOVAX XCERD CPL AXIS CAT. #HLED100-580-40-S-D-8-X-UNV-DP-1-CT148)	120V	LED	4000	4000K	30.0W	80	SUSPENDED	NA	1 (1200mm) LONG X 4" (102mm) WIDE DIRECT SUSPENDED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
S6	30 LIGHTING CAT. #EG-4PLD-050-580-40-UNV-DM-FX-120-8 MARK CAT. #EGD-11P-8T BSL5L BCR 40K 500LM MINI SCT INVDLT XXX ZT F237A ROTOVAX XCERD CPL AXIS CAT. #HLED100-580-40-S-D-8-X-UNV-DP-1-CT148)	120V	LED	3000	4000K	30.0W	80	SUSPENDED	NA	1 (1200mm) LONG X 4" (102mm) WIDE DIRECT SUSPENDED LUMINAIRE CW ACRYLIC CABLE SUSPENSION (CHORD LENGTH TBD ON SITE). STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS, STANDARD FINISH TO BE SELECTED BY ARCHITECT.
S8	1 LIGHTING CAT. #GL280-8-1-A084 CARMAN LIGHTING. #P7105-16-600	120V	LED	3000	4000K	19.0W	80	SUSPENDED	NA	30" DIAMETER GLOBE LIGHT CW INTEGRAL POWER SUPPLY, 0-10V DIMMING DRIVER, ACRYLIC CABLE & POWER CORD TO CANOPY AND STANDING POWER CORD FINISH TO BE CONFIRMED BY ARCHITECT.
SC	1 LIGHTING CAT. #GL280-8-1-A084 CARMAN LIGHTING. #P7105-16-600	120V	LED	3325	4000K	40W	80	SUSPENDED	NA	24" DIAMETER GLOBE LIGHT CW INTEGRAL POWER SUPPLY, 0-10V DIMMING DRIVER, ACRYLIC CABLE & POWER CORD TO CANOPY AND STANDING POWER CORD FINISH TO BE CONFIRMED BY ARCHITECT.
SO	1 LIGHTING CAT. #GL280-8-1-A084 CARMAN LIGHTING. #P7105-16-600	120V	LED	3300	4000K	19.0W	80	SUSPENDED	NA	18" DIAMETER GLOBE LIGHT CW INTEGRAL POWER SUPPLY, 0-10V DIMMING DRIVER, ACRYLIC CABLE & POWER CORD TO CANOPY AND STANDING POWER CORD FINISH TO BE CONFIRMED BY ARCHITECT.
T1	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T2	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T3	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T4	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T5	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T6	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T7	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T8	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T9	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T10	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T11	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T12	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T13	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T14	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T15	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T16	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T17	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T18	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T19	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T20	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T21	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T22	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T23	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T24	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T25	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T26	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T27	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T28	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T29	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T30	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T31	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T32	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T33	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T34	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T35	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T36	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T37	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T38	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T39	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T40	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T41	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T42	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T43	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T44	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T45	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T46	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T47	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T48	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T49	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T50	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T51	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T52	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T53	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T54	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T55	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T56	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T57	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T58	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T59	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T60	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T61	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T62	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T63	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T64	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T65	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T66	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T67	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T68	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T69	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T70	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T71	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T72	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T73	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T74	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T75	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T76	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T77	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T78	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-40-4000-0MVL1-CT1 LP840 SIGNIFY CAT. #REV043386-4-0-UNV-DM-FM24									
T79	COOPER CAT. #WCD24-DS-40-UNV-L840-CD-1 LITHONIA CAT. #E02L14-4									

11	ISSUED FOR ADD 01	2026.27.01
10	ISSUED FOR TENDER	2026.13.01
9	ISSUED FOR COORDINATION	2025.12.03
8	ISSUED FOR COORDINATION	2025.11.14
7	ISSUED FOR PERMIT	2025.03.07
6	ISSUED FOR 100% REVIEW	2023.12.15
5	ISSUED FOR 99% REVIEW	2023.12.07
4	ISSUED FOR 96% REVIEW	2023.11.24
3	ISSUED FOR 90% REVIEW	2023.10.30
2	ISSUED FOR 85% REVIEW	2023.10.12
1	ISSUED FOR 75% REVIEW	2023.09.29
NO	DESCRIPTION	D&TE

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings are a general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

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OAKVILLE #5 PUBLIC
SCHOOL

54501 RESERVE DRIVE
OAKVILLE, ON

LEGAL DESCRIPTION

BLOCK XX
REGISTERED PLAN XXXXX
TOWN OF OAKVILLE
REGION OF HALTON



ELECTRICAL SCHEDULES

**HOSSACK
& ASSOCIATES
ARCHITECTS**

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Website: delassociates.ca
Project Number: 110115

Consulting Engineers

Consulting Engineers

SCALE As Indicated	PROJECT
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DATE	22383
26-01-13	

DRAWN	DRAWING
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