



Halton District School Board

Addendum No. 4

RFT 23-007 Oakville # 3 Elementary School and Child Care Facility

The following, issued by the Halton District School Board (HDSB) January 26, 2023, shall be incorporated into the specifications and shall form part of the proposal document for the above.

ATTACHED:

Please see the attached addendum # 4 as drafted by Hossack & Architects as it relates to the questions asked and provides additional information and drawings as necessary (21 pages).

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

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END OF ADDENDUM 4

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HOSSACK & ASSOCIATES ARCHITECTS

ADDENDUM NO. 4 (HAA Addendum #2)

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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. 4** and its contents.
2. **Contents:** Addendum No. 4 - in its entirety consists of the following:
 - .1 Eleven (11) typed page of instructions and one (1) SKA drawing 11" x 17".
 - .2 Civil Addendum No. 1 – one (1) typed page of instructions.
 - .3 Structural Addendum No. 1 – two (2) typed page of instructions.
 - .4 Mechanical Addendum No. 1 – two (2) typed page of instructions and one (1) detail drawing 11" x 17".
 - .5 Electrical Addendum No. 2 – two (2) typed page of instructions and one (1) detail drawing 11" x 17".

QUESTIONS & ANSWERS

QUESTION 1: Section 32-80-00 indicates Approved Playground Contractors. Could you provide the scope of work that is expected for this division (as there are many items on the landscape drawings), in order to differentiate from the landscaping trades?

ANSWER 1: [Specification Section 32 80 00 Approved Playground Contractors is deleted in this Addendum as described below.](#)

QUESTION 2: Our insurance provider is asking if there is any updated information in regards to when the area/site will be serviced and hydrants commissioned and recognized for use by the local fire hall and if that timeline meshes with the start of construction?

ANSWER 2: [The area is serviced by 1 existing hydrant on Wheat Boom Drive 85m west of the school block and 1 existing hydrant on John McKay Blvd. 65m southwest of the school block. Both hydrants are operational.](#)

QUESTION 3: Could you provide a decorative fence specification?
This is for the retaining wall location.

ANSWER 3: [The decorative fence is detailed on Drawing 16/LP2.](#)

QUESTION 4: What is the type & height of fence required beside the parking lot, north of the school.

ANSWER 4: [Drawing LP1 denotes the types and heights of fences required along all property lines.](#)

QUESTION 5: Is sodding at the boulevard required by this contract, or will it be completed by the developer?

ANSWER 5: [Sodding at the boulevard is completed by the developer.](#)

QUESTION 6: Erosion drawing E-1 indicates a Mud Mat, however, SG-1 drawing also shows a Mud Mat that is not on school property. Clarify.

ANSWER 6: [Refer to answer provided in previously issued Addendum #3.](#)

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QUESTION 7: Detail 6 on SG 2 shows a weeping tile at the concrete seat walls, but these weeping tiles are not shown on Drawing S1 (Site Servicing Plan). Please provide a layout for all weeping tile on the servicing plan.

ANSWER 7: Refer to drawings SG2, S1 and AD Drawing 100 in Binder C for total scope of weepers. Refer also to civil addendum herein.

QUESTION 8: Detail AD100 in Specifications Book C shows weeping tile around and inside the building with a note to connect as per Drawing SS-1. Drawing SS-1 is not included in our drawing set and Drawing S1 (Site Servicing Plan) does not show a connection in this area. Please provide a layout for all weeping tile on the servicing plan.

ANSWER 8: Refer to drawings SG2, S1 and AD Drawing 100 in Binder C for total scope of weepers. The reference on AD 100 is updated to reflect Drawing S1 in this addendum below. Refer also to civil addendum herein.

QUESTION 9: Detail 4S on Drawing S4.2 shows a block wall in the parapet walls. Whereas Detail 4 on Drawing A15 shows a metal stud wall. Please clarify.

ANSWER 9: Drawing S4.2 is correct. Architectural details are updated to reflect the block wall at the parapet walls as described in this Addendum below.

QUESTION 10: Are the concrete walkways shown in dark grey on Drawing SP1 heavy duty concrete since we have heavy duty asphalt connecting to it and therefore require additional reinforcing?

ANSWER 10: All concrete walkways are to be constructed per Drawing 8/SP2, except for area dashed near main entrance noted to be "reinforced concrete sidewalk", which is to be designed to support the weight of a fire truck per OBC. Refer to addendum update below.

QUESTION 11: Detail 7 & 8 on Drawing SP 2 having conflicting information regarding sidewalk reinforcing and thickness. Please clarify the welded wire mesh required and thickness of concrete on sidewalks.

ANSWER 11: Both details 7 & 8 indicate a 150mm deep sidewalk. Provide 150mm granular sub-base and welded wire mesh as noted in detail 8. Refer to updates in addendum below.

QUESTION 12: Detail 6 on SP2 calls for one rebar top and bottom in the curb but the detail shows two top only. Please clarify the reinforcing and if epoxy is required as Detail 7 on SP2 does not require epoxy.

ANSWER 12: Rebar shown on detail 6 to be as per notes. Epoxy not required. Refer to addendum updates below.

QUESTION 13: Detail 7 on SP2 shows what appears to be a vertical rebar wrapped around the 2 - 15M bars and bent into the sidewalk. Please clarify this rebar spacing thickness and length into sidewalk.

ANSWER 13: Rebar to be D12 @ 450mm o.c. extending 1200mm horizontally into sidewalk.

QUESTION 14: On Drawing SP1 shows painted walkways on asphalt at the main parking entrance but Dwg SG 1 of 2 appears to show delineation at these areas. Are these to be concrete or asphalt?

ANSWER 14: Follow Drawing SP1 detailing painted walkways on asphalt.

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QUESTION 15: Drawing SP1 shows the heavy-duty asphalt not to be carried in the garbage please clarify if it should be heavy duty asphalt as trucks would be driving in this area.

ANSWER 15: Yes, the heavy duty asphalt shall be carried into the garbage area. Refer to addendum update below.

QUESTION 16: Drawing SP1 shows what appear to be curbs on the concrete slope sidewalk by the proposed childcare but Detail 4 on Drawing SG 2 of 2 does not list any curbs. Please clarify.

ANSWER 16: Refer to Detail 4 on Drawing SG2 of 2. Drawing SP1 is updated as described in this addendum below.

QUESTION 17: Please provide a detail on what appears to an extra wide curb along the disabled parking stalls on Drawing SP1.

ANSWER 17: Curb to be per 6/SP2, with double width.

QUESTION 18: Please provide structural information for the concrete seat walls shown on Detail 6 on Drawing SG 2 including concrete mix requirements, reinforcing, etc.

ANSWER 18: Concrete seat wall to be 32 MPa concrete with light sandblast finish, reinforced with 6 continuous horizontal 15M rebar. 15M vertical wrap spaced 450mm o.c. Provide control joint every 6m o.c.

QUESTION 19: The Foundation Plan S1.0 shows the hatching for the slab thickening. The detail for the slab thickening is not to be found in the drawings. Please provide the details.

ANSWER 19: Refer to Structural Addendum herein.

QUESTION 20: Section 10 11 25, 16 Artificial Turf. Could you provide the location for this product?

ANSWER 20: Artificial Turf is not required, and the specification is updated as described in this addendum below.

QUESTION 21: Section 07 46 13, Extruded Metal Siding has 2 types of aluminium longboard listed, however, elevation drawing A09 & ceiling plans indicate these areas are all Aluminum Composite ACM 07-41-43. Clarify.

ANSWER 21: Section 07 46 13 to be deleted as per addendum below.

QUESTION 22: Please clarify whether the excess excavated material will remain on site or is required to be removed?

ANSWER 22: Refer to Specification Section 31 14 10 Site Preparation Item 3.1 for requirements for surplus materials.

QUESTION 23: Door 401A references a frame type CW15 but notes it as being HM Frame, is this correct or should it be ALUM?

ANSWER 23: Refer to answer provided in previously issued Addendum #3.

QUESTION 24: Door 221A shows a frame type 1 but the drawings show a sidelite, should this be frame type 6?

ANSWER 24: Door 221A to remain frame type 1. Refer to addendum update below.

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QUESTION 25: Specification 10 28 10, (2.2.11) mentions to provide SCH at change room benches. The detail for the benches does not show the SCH, please confirm the locations and quantities.

ANSWER 25: [AD reference for benches on Drawing A02 should read AD505 and is updated as described in this addendum below. AD505 details the requirements for SCH.](#)

QUESTION 26: Specification only references Motorized Window Shades in the Gym but they are also shown on the cross sections in the Library. The manual shade requirements (RS – Allowance) are clearly noted on drawings but the MWC Motorized shades requirements are not shown on the floor plans. Please advise.

ANSWER 26: [Motorized window shades are required in the Gym and the Library as described in the specification and drawing portions of the addendum below.](#)

QUESTION 27: Detail 11 on Drawing A16 calls for an alternate price for the foundation and rigid insulation, also has a note to refer the structural drawings for details but we could not find the detail in the structural drawings. Please clarify.

ANSWER 27: [The detail has been deleted as described in the addendum below.](#)

QUESTION 28: Please confirm if Altex/ Sun Project are acceptable alternate for the window coverings?

ANSWER 28: [Commercial grade products are required. No documentation was provided, and therefore this product is not approved at this time.](#)

QUESTION 29: Floor plan for rooms 150, 155 reference (TB2440/WB2440/WB2440) but the elevation 4/A20 shows something completely different (TB1200/WB4800/TB1200), please advise correct configuration.

ANSWER 29: [The elevation shows the correct configuration. The drawing has been updated as described in the addendum below.](#)

QUESTION 30: Please provide specification for the exterior sunshades shown at exterior windows of Child Care.

ANSWER 30: [Refer to answer provided in previously issued Addendum #3.](#)

QUESTION 31: There are caissons noted at Gridline 8 & EE on Drawing S1.0 but no real detail as to the depth/reinforcement or elevation. Please provide clarification.

ANSWER 31: [Refer to Structural Addendum herein.](#)

QUESTION 32: Should this contract include to reshape the swale at the 'Park' site beside the school property?

ANSWER 32: [Grading shown on drawings shall be in the base contract.](#)

QUESTION 33: Could you provide a depth for the caissons at gridline 'EE'?

ANSWER 33: [Refer to Structural Addendum herein.](#)

QUESTION 34: A-24 indicates Conc. sealer for 10 rooms. Should epoxy product be used for all the rooms listed? or just Mechanical, Recycling, rooms?

ANSWER 34: [Epoxy shall be used where noted in the Room Finish Schedule in Specification Binder A. Refer to update in addendum below.](#)

QUESTION 35: Could you please clarify if the parking stalls (areas) should be paved with a heavy duty asphalt mix or medium duty? Specification section 32 12 17, para

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3.2.2 (Pavement Section), includes parking areas as both heavy and medium duty asphalt paving.

ANSWER 35: Refer to Drawing SP1 tags on parking stalls indicating areas of MD ASPHALT. The Legend also indicates a hatch which denotes areas of HD ASPHALT.

QUESTION 36: Section 27 10 00, 1.1.1.1 notes that the board has selected a sub contractor for the communication scope of work, please advise if there is a mandatory contractor we are required to use?

ANSWER 36: Refer to Electrical Addendum herein.

QUESTION 37: Please confirm if Science Room Moveable tables are to be included by GCs or By others. Specifications section 10 11 25 provides a specification for them but the drawings refer to them as N.I.C.

ANSWER 37: The Science Room moveable tables are included in the base contract. The drawing has been updated as described in the addendum below.

QUESTION 38: Can architect approve Slatwall Panel Hard Rock Maple Melamine supplied by Richelieu as acceptable material for slatwall locations?

ANSWER 38: Yes.

QUESTION 39: There is no spec for "continuous 25mm Epoxy Resin countertop" shown on science room millwork AD620A-AD625B. Can architect please provide spec/supplier for these countertops?

ANSWER 39: Refer to specification provided in addendum below.

QUESTION 40: Can architect clarify location and quantity of "library book cart springs", can architect also review and re-issue spec for this hardware item as the model in the spec provided does not exist.

ANSWER 40: Moveable Library carts to be provided by Owner. Item deleted in addendum below.

QUESTION 41: Can architect confirm that the plywood used on AD523 and AD524 is to be raw plywood (i.e. no plastic laminate finish)

ANSWER 41: Correct.

QUESTION 42: Can architect confirm that Rotary Cut BW-1W grade Birch veneer is acceptable for control panels sides/bottom

ANSWER 42: Control panel sides and bottoms to be 13mm plywood w/ birch veneer and solid wood edging, as noted on AD651. Grade of hardwood plywood specification to be per specification 06 40 00, item 2.1.3.

QUESTION 43: Can architect confirm that Rotary Cut BW-1W grade Birch veneer is acceptable for stage dolly fronts with solid birch trims

ANSWER 43: Stage dolly fronts to be quarter sawn white oak veneer with sold white oak trim, to match stage surround, per addendum below.

QUESTION 44: Can architect review dwg 5/A23 and confirm the stage surrounds are to be white oak veneer (and not birch to match stage dolly fronts and if so provide a veneer grade) and also clarify what core material is to be used note says "white oak veneer on plywood on particleboard surround", could a section view be provided to help clarify if these surrounds are built out or attached directly to the wall?

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ANSWER 44: Stage surrounds are to be quarter sawn white oak veneer on 5/8" (16mm) particle board with solid white oak edging, adhered directly to concrete block wall.

QUESTION 45: The reflected ceiling plan does not clearly indicate the size or amount of acoustic blades required in the 3 areas. Please clarify.

ANSWER 45: Approximate sizes of areas of Acoustic Blades is as follows:
 LOBBY 102: 3 groups of 6m X 2.4m blades varying lengths
 CO-LAB 204: 1.8m X 4.8m blades varying lengths
 CO-LAB 210: 2.8m X 5m blades varying lengths
 CO-LAB 304: 1.8m X 6.2m blades varying lengths
 CO-LAB 307: 2.8m X 5m blades varying lengths

QUESTION 46: Can architect review AD644, AD644A are solid wood edges required at these cabinet or can they be 3mm PVC as per spec, if solid wood edge is required is 6mm edge acceptable?

ANSWER 46: 3mm PVC edging is acceptable. Refer to addendum below.

QUESTION 47: Refer to AD503 can the plastic laminate wall/bulkhead panels be on particleboard core (MDF is more expensive, Ply core is subject to warping)

ANSWER 47: Particleboard is acceptable for this detail. Refer to addendum below.

QUESTION 48: Section 07 26 00, Self Adhered Membrane Air and Vapour Retarders is only available in the table of the contents in Binder A, but the actual specifications are not present at the respective page. Please do include the above-mentioned section.

ANSWER 48: Refer to specification section 07 21 19, item 2.1.3 for information on Sheet Air/Vapour Barrier Membrane and Thru-Wall Flashing.

QUESTION 49: Can architect review the Bench Support Brackets, right now they have specified Hebgo brackets by Hafele, however these brackets aren't really suitable for solid wood bench slats (they only have 3 holes in them adding holes would require sending them out to be machined i.e. more cost) generally bench support brackets for solid wood bench slats would be carried by the Miscellaneous Metals Division. Can architect please change the spec for bench support brackets (at the cubbies and changerooms) to be carried by Miscellaneous Metals Division

ANSWER 49: Specified product has been supplied by millwork contractor and used for this purpose on many schools. Item to remain as specified.

QUESTION 50: Refer to Specs: 06 40 00, Arch. Woodwork – 2.6 Melamine Case Work -9. Shelves shall be fabricated from 19 mm birch plywood with solid birch edge and lacquer finish. All shelves shall be adjustable at 13 mm increments and each will be supported by a shelf support resting in four pilaster strips attached to the gables. - 12. Drawer bodies shall consist of box construction fabricated from 13 mm birch plywood with solid birch edge, front, sides and back with a 13 mm hardboard bottom dadoed and glued into box members. Joint front, sides and back with carefully fitted glued and tenoned joints. Alternately, Blum Metabox drawer body and side can be used & 099127 Finishes and Colour Notes 1.3.2 All interior fitments, casework, millwork, etc. to be melamine unless otherwise noted. Refer to Sections for specific requirements regarding materials, construction, finishes and hardware. Note that drawer and cupboard interiors are to be considered as exposed surfaces and will therefore be finished.

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ANSWER 50: Refer to update in addendum below.

QUESTION 51: Can architect approve the use of melamine (to match cabinet bodies and faces) at typical shelves and drawer boxes, the use of veneer core plywood for these applications is unnecessary and costly. If melamine to match the rest of the cabinet construction is not acceptable can architect verify that rotary cut BW-1W grade birch veneer with 3mm birch edging is acceptable

ANSWER 51: Refer to update in addendum below.

QUESTION 52: The Roof Plan 1/A05 has no scale mentioned in the drawing. Please clarify the scale in the drawing.

ANSWER 52: The Roof Plan is scaled at 1:100. Note 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 before proceeding with the work. The use of this drawing or part thereof is forbidden without the written approval of the consultants.

QUESTION 53: LP-1 drawing indicates 300mm topsoil below sodding & seeding, & Section 32-91-19 indicates 200mm. Clarify.

ANSWER 53: 300mm topsoil is required. Refer to update in addendum below.

QUESTION 54: Is the mulch for landscaping areas to be as per landscape drawings & specs, or as per Section 10-11-25, Item17 Engineered Mulch?

ANSWER 54: Engineered mulch as noted in Section 10 11 25 is not required, and the specification is updated as described in this addendum below. Refer to landscape drawing and specifications for mulch requirements.

QUESTION 55: Could you indicate where the Steppingstones are to be placed, as per section 10 11 25, item 18?

ANSWER 55: Stepping Stones as noted in Section 10 11 25 are not required, and the specification is updated as described in this addendum below.

QUESTION 56: Section 10 11 25, item 14 indicates Change Table with Integrated Sink. Could you indicate where these are to be placed?

ANSWER 56: As described in the specification, they are located in the Childcare area. Refer to floor plans and interior elevations.

QUESTION 57: Could you provide a specification for the folding partition between the Gym & Music room? 10650?

ANSWER 57: Refer to Specification Section 10 22 27 for folding panel partition.

QUESTION 58: If your addendums beyond Addendum #3 are sizable in content, could you provide additional time for tendering for our trades, suppliers & contractors by 2 days?

ANSWER 58: No extensions can be provided.

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AMENDMENTS TO SPECIFICATIONS – BINDER A

Item 01: Section 00 00 10 Table of Contents:

- .1 DELETE Specification Section: “~~07-26-00 Self-Adhered Membrane Air and Vapour Retarders~~” from Table of Contents, as this information is included within other sections.
- .2 DELETE Specification Section: “~~07-46-13 Extruded Metal Siding~~” from Table of Contents.
- .3 DELETE Specification Section: “~~32-80-00 Approved Playground Contractors~~” from Table of Contents.

Item 02: Section 06 40 00 Architectural Woodwork:

- .1 DELETE item 2.5.1.9 “~~Library Book Cart: springs for bottom panel support: 4 springs —“Producto” AM19908C ½” bar.~~”
- .2 REVISE item 2.6.9 to read as follows:
“.9 Shelves shall be fabricated from 19 mm **melamine faced particle board with PVC edging...**”
- .3 ADD item 2.21 to read as follows:
“2.21 SCIENCE CLASSROOM COUNTERTOPS
.1 Cast Epoxy Resin Countertops:
 - .1 Chemical and abrasion resistant, 25 mm thick cast epoxy resins and inert products, cast flat, with a uniform low-sheen black surface.
 - .2 Backsplash curb: same material as top. Include end curb where top abuts end wall.
 - .3 Fabricate countertop and backsplash sections in as long a length as practicable.
 - .4 Cut holes for fittings, accessories, and equipment.
 - .5 Round or chamfer exposed edges and corners of cutouts.
- .2 Location: Science Classroom
- .3 Colour: Black”
- .4 REVISE item 2.17 to read as follows:
“STAGE CHAIR DOLLIES
.1 Stage Chair Dollies: Provide and install stage front fascia **white oak** trim edging and wood chair dolly fronts as shown on Drawing A21 fabricated from 38mm thick **quarter sawn white oak** veneer plywood, complete with...”

Item 03: Section 07 46 13 Extruded Metal Siding:

- .1 DELETE this section in its entirety.

Item 04: Section 09 65 16 Resilient Tile Flooring:

- .1 REVISE Item 2.1.1.4. (as updated in Addendum #3) to read: “~~ID Inspiration 70 Event~~”.

Item 05: Section 10 11 25 Manufactured Specialties:

- .1 DELETE Item 2.1.16.: “~~Artificial Turf~~”.
- .2 DELETE Item 2.1.17.: “~~Mulch:...~~”.
- .3 DELETE Item 2.1.18.: “~~Stepping Stones:~~”.

Item 06: Section 12 21 16 Window Coverings:

- .1 REVISE Item 2.1.1.3. to read: “Locations: Gym and Library.”

Item 07: Section 32 80 00 Approved Playground Contractors:

- .1 DELETE this section in its entirety.

Item 08: Section 32 91 19 Topsoil Placement:

- .1 REVISE Item 3.3.1. to read: “...compacted depth of **300mm**.”.

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AMENDMENTS TO ARCHITECTURAL DETAIL (AD) DRAWINGS – BINDER C

Item 09: Drawing AD100 Building Weeping Tile Location Plan:

- .1 REVISE: connection note to read: “CONNECT TO WEEPERS PLUG AS PER DRAWING **S-1**”.

Item 10: Drawing AD503 Bench M3:

- .1 REVISE bulkhead note as follows: ‘Bulkhead: PLAM on 13mm **particleboard** on 92mm steel stud framing.”.

Item 11: Drawing AD644 & AD644A Tall Open Shelving Type C5 & C5A:

- .1 REVISE references to “Solid Hardwood Edge” to be “**PVC Edge**”.

AMENDMENTS TO ARCHITECTURAL DRAWINGS

Item 12: Drawing SP1 Site Plan:

- .1 DELETE: curb lines shown on 5.0% sloped concrete walkway in front of the Proposed Childcare portion of the building. Refer to Drawings SG1 & 2.
.2 REVISE: note at fire route extension at front yard concrete adj. main entrance to read: “**REINFORCED CONCRETE SIDEWALK SUITABLE TO WITHSTAND FIRE ACCESS VEHICLE LOADING AS PER OBC**”.
.3 REVISE: extent of heavy-duty asphalt and corresponding hatch to extend into the garbage bin area of the parking lot to surrounding curbs.

Item 13: Drawing SP2 Site Plan:

- .1 REVISE: Detail 6/SP2 to delete epoxy coating in note pointing to curb.
.2 REVISE: Detail 6/SP2 to illustrate rebar in curb to be as per note “1-10mm top and bottom...”
.3 REVISE: Detail 7/SP2 to update mesh requirements as described in Detail 8/SP2.
.4 REVISE: Detail 7/SP2 to update compacted gravel base to be 150mm depth.
.5 REVISE: Detail 8/SP2 Section C-C and Section B-B to illustrate 150mm concrete on 150mm consolidated gravel or stone as described in Section A-A.

Item 14: Drawing A02 Ground Floor Plan:

- .1 REVISE in Girls Change Room 166 and Boys Change Room 165: AD reference number for benches to read “**AD 505**”.
.2 REVISE in Lifeskills Classrooms 150: Tackbaord & Whiteboard length notes to read as shown in Interior Elevation 4/A20.
.3 REVISE in Lifeskills Classrooms 155: Tackbaord & Whiteboard length notes to read as shown in Interior Elevation 4/A20.

Item 15: Drawing A03 Second Floor Plan:

- .1 REVISE: Door 221A to illustrate concrete block wall beside door in lieu of sidelight shown (sidelight not required). Refer to door schedule for door and frame type.

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Item 16: Drawing A04 Third Floor Plan:

.1 REVISE in Science Room 317: note referencing student science tables to read: "(ST) STUDENT SCIENCE TABLE, ~~NOT~~ REFER TO SPECIFICATIONS TYP."

Item 17: Drawing A05 Roof Plan:

.1 CLARIFICATION: Drawing is scaled at 1:100.

Item 18: Drawing 3/A13 Wall Section @ Front of Library:

- .1 DELETE: Steel channel shown at top of parapet on gridline Bx.
- .2 ADD: block parapet c/w cut solid fill block at top of parapet on gridline Bx as per Structural Drawing S4.2 c/w 19mm plywood cap to suit height of cladding. Block parapet shall be finished on roof side with 38mm rigid insulation, 13mm exterior sheathing, membranes and flashings per Typical Parapet Detail 1/A16.

Item 19: Drawing 4/A15 Section Detail @ Upper Wall of Front of Library:

- .1 DELETE: Steel channels upstand & steel stud shown at top of parapet on gridline Bx.
- .2 ADD: block parapet c/w cut solid fill block at top of parapet on gridline Bx as per Structural Drawing S4.2 c/w 19mm plywood cap to suit height of cladding. Block parapet shall be finished on roof side with 38mm rigid insulation, 13mm exterior sheathing, membranes and flashings per Typical Parapet Detail 1/A16.
- .3 REVISE: extent of "continuous spray foam insulation" on exterior side of parapet to extend to top of parapet.

Item 20: Drawing 11/A16 Alternate Price Detail - Foundation:

.1 DELETE: this detail in its entirety.

Item 21: Drawing A19 Interior Elevations:

.1 REVISE Interior Elevations 6 & 7/A19 as per SKA-03 attached herein to include for Motorized Window Shades tag "MWS" as shown. Coordinate with electrical drawings.

Item 22: Drawing 63 & 64/A21 Stage Storage Dolly Section Details

.1 REVISE references to 'Birch Trim' to be 'White Oak Trim'.

Item 23: Drawing A23 Gymnasium Plan & Details:

- .1 REVISE Detail 2/A23 to show Motorized Window Shade tag "MWS" at CW11. One (1) shade required at top of curtain wall, one (1) shade required at u/s of horizontal steel beam at mid-height. Total two (2) shades on this elevation. Coordinate with electrical drawings.
- .2 REVISE Detail 3/A23 to show Motorized Window Shade tag "MWS" at each section of high level curtain wall between columns. Two additional shades required at curtain wall at u/s of horizontal steel beam at mid-height. Total seven (7) shades on this elevation. Coordinate with electrical drawings.
- .3 REVISE Detail 4/A23 to show Motorized Window Shade tag "MWS" at each section of high level curtain wall between columns. Total six (6) shades on this elevation. Coordinate with electrical drawings.
- .4 REVISE Detail 5/A23 to show Motorized Window Shade tag "MWS" at SC5 and at transom above Door 164. Total two (2) shades on this elevation. Coordinate with electrical drawings.
- .5 REVISE Detail 5/A23 note for stage surround to read as follows:
"16mm QUARTER SAWN WHITE OAK VENEER ON PARTICLE BOARD ADHERED DIRECTLY TO CONCRETE BLOCK WALL".

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Item 24: Drawing A24 Floor Pattern Plans:

- .1 REVISE Legend: At CONCRETE header, the description shall read: "Sealed Concrete (S CONC) or epoxy flooring (EWPM). Refer to Room finish schedule".

LANDSCAPING / GRADING

Item 25: Drawing SG2 of 2 Site Grading Plan:

- .1 ADD to Detail 6/SG2 note pointing to poured concrete seatwall: "Concrete seat wall to be 32 MPa concrete, reinforced with 6 continuous horizontal 15M rebar. 15M vertical wrap spaced 450mm o.c. Provide control joint every 6m o.c.".

CIVIL

Item 26: CIVIL

- .1 Civil Addendum No. 1 – one (1) typed page of instructions, issued by Trafalgar Engineering, dated January 25, 2023.

STRUCTURAL

Item 27: STRUCTURAL

- .1 Structural Addendum No. 1 – two (2) typed page of instructions, issued by Kalos Engineering, dated January 25, 2023.

MECHANICAL

Item 28: MECHANICAL

- .1 Mechanical Addendum No. 1 – two (2) typed page of instructions and one (1) detail drawing 11" x 17", issued by DEI Engineering, dated January 25, 2023.

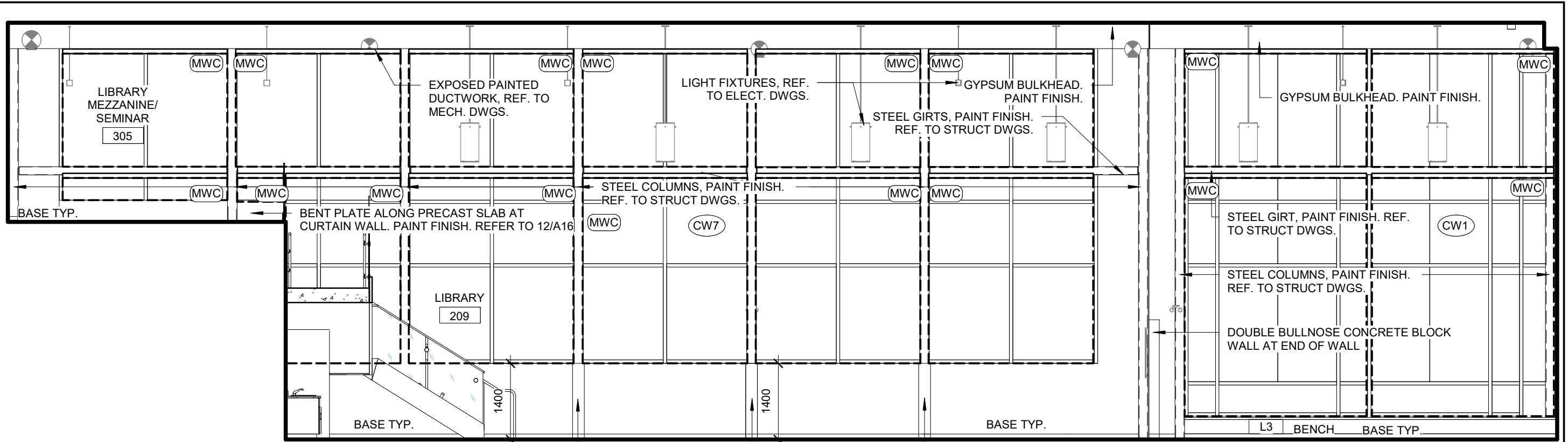
ELECTRICAL

Item 29: ELECTRICAL

- .1 Electrical Addendum No. 2 – two (2) typed page of instructions and one (1) detail drawing 11" x 17", issued by DEI Engineering, dated January 25, 2023.

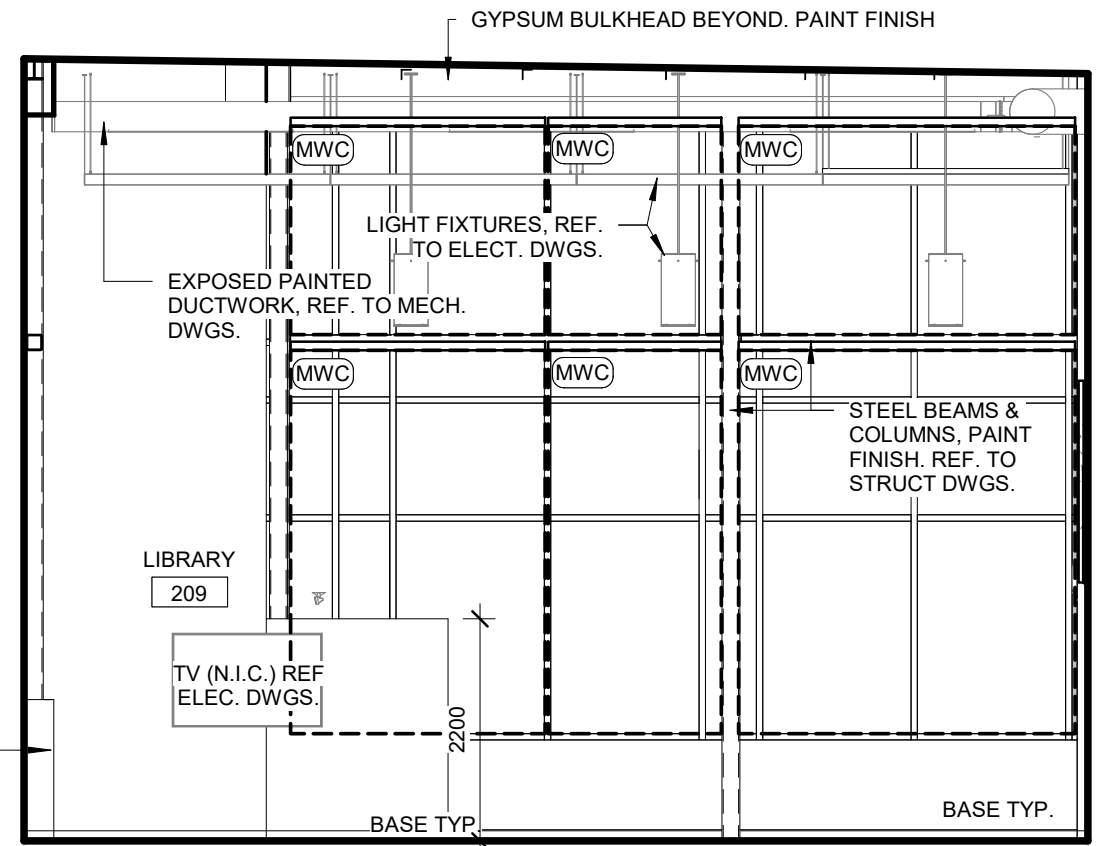
End of Addendum No. 4

MOTORIZED WINDOW COVERS IN LIBRARY



PROVIDE FRONT & TOP FILLER PANELS TYP (1400mm HIGH). CUSTOM CUT TOP PANELS TO FIT SNUG AROUND COLUMN.

1 LIBRARY 209 - C
 SKA-3 SCALE: 1 : 75



PROVIDE FRONT & TOP FILLER PANELS TYP (1400mm HIGH). CUSTOM CUT TOP PANELS TO FIT SNUG AROUND COLUMN. REFER TO 26/A17

2 LIBRARY 209 - D
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 DATE: 23 01 25



ISSUE/REV. ADD #4
 SKA
 .SKA-3

January 25, 2023

Our File: 1765

ADDENDUM NO. 1

**TENDER FOR
HALTON DISTRICT SCHOOL BOARD
NORTH OAKVILLE #3 PUBLIC SCHOOL
WHEAT BOOM DRIVE
TOWN OF OAKVILLE**

The following clarification to the tender document shall be included as part of the contract work required for the above-noted development:

- Weeping tile drainage to discharge to the storm connection at the face of the building, connecting to STM MH8

Prepared by:
TRAFALGAR ENGINEERING LTD.

J.T. Nelson, P.Eng.,
Principal Design Services

JN:



**Oakville #3 Elementary School and Childcare Facility
1235 Wheat Boom Drive
Oakville, ON**

Structural Addendum No. 1

January 25, 2023

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.

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 DOCUMENTS:

A. Drawing S1.0:

- a. Delete slab thickenings throughout the entirety of the building.
- b. Caissons in stairwells shall be 600mm in diameter and be reinforced with 8-20M vertical bars and 10M@300 ties. The underside of caisson elevation shall match the adjacent underside of footing elevation.

B. Drawing S3.0:

- a. Provide a MC310x15.8 channel welded to the top flange of the W200x36 mid-landing beam in Stair A per architectural detail 24/A22.

C. Drawing S3.1:

- a. Provide a MC310x15.8 channel welded to the top flange of the W200x36 mid-landing beam in Stair A per architectural detail 24/A22.
- b. Provide a MC310x15.8 channel welded to the top flange of the W200x52 top landing beams in Stair A and Stair B similar to architectural detail 24/A22.

- D. Specification Section 05 40 10 – Lightweight Framing System:
- a. Section 2.1.1: Remove the minimum gauge requirement. Engineered shop drawings shall be provided for all cold-formed metal framing.

2. CONTRACTOR QUESTIONS:

Question 1: *The Foundation Plan S1.0 shows the hatching for the slab thickening. The detail for the slab thickening is not to be found in the drawings. Please provide the detail.*

Response 1: Refer to drawing amendments noted above.

Question 2: *There are caissons noted at Gridline 8 & EE on Drawing S1.0 but no real detail as to the depth/reinforcement or elevation. Please provide clarification?*

Response 2: Refer to drawing amendments noted above.

3. ATTACHMENTS TO THIS DOCUMENT:

- None.

Sincerely,

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

January 25, 2023

Client: Hossack & Associates Architects
2150 Dunwin Drive, Unit #4,
Mississauga, ON L5L 5M8

RE: Oakville #3 Public School
Oakville, Ontario

Job #: 22070

Attn: Priscilla Ladouceur, B.E.S, B. Arch, OAA, MRAIC/Gabriela Betancourt, B.C.E., Dipl. Arch. Tech/
Christine Clark, Lic.Tech.Oaa, C.Tech

ADDENDUM 01

MECHANICAL

Item 1

1.0 Acceptable Materials

- .1 In Specification Section 23 52 13 'Stainless Steel Condensing Boilers', add "PK Soils" to Item 2.12.
- .2 In Specification Section 23 81 26 'Split-System Air Conditioning, add "Daikin" to Item 2.2.11 and 2.3.9 as an equal for the outdoor and indoor units.

Item 2

2.0 Boiler Revision

- .1 In Specification Section 23 52 13 'Stainless Steel Condensing Boilers', add Item 2.13 to read as follows:
"LOW LOSS HEADER
 - .1 Provide all welded steel insulated low-loss header suitable for system flow complete with sensor well tapping, ½", ½" air bleed tapping, ½", drain/flush tapping, 2", ANSI flanges welded on."

Item 3

3.0 MUA Unit Revisions

- .1 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Air Handling Units', add "AAON" to Item 2.1.
- .2 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Air Handling Units', revise Item 2.2.1.10 to read as follows, "Integral aluminum energy recovery wheel complete with bypass damper and purge."
- .3 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Air Handling Units', add Item 2.2.1.13 to read as follows, "Provide terminal strip for BAS integration."
- .4 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Air Handling Units', add Item 2.6.5 to read as follows, "Axial fans are not acceptable."
- .5 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Air Handling Units', add Item 2.3.3.7 to read as follows, "Access doors to be complete with ¼ turn lockable handles."
- .6 In Specification Section 23 75 12 'Semi Custom Outdoor Heating and Cooling Units', add Item 2.3.4 to read as follows, "Ensure suitable access is provided for condenser coil cleaning and fan replacement. Provide suitable platform if required."



Item 4**4.0 Cooling Tower Revision**

- .1 In Specification Section 23 65 13 'Closed-Circuit Forced Draft Cooling Towers', revise Item 2.12.1 to read as follows, "Minimum 2" static deflection isolation rails."
- .2 In Specification Section 26 65 13 'Closed-Circuit Forced Draft Cooling Towers', revise Item 2.12.2 to read as follows, "Tapered discharge hood complete with weatherproof access doors suitable for outdoors, discharge motorized damper, and complete with 600mm high roof curb."
- .3 In Specification Section 23 65 13 'Closed-Circuit Forced Draft Cooling Towers, revise Item 2.13 to read as follows "Fan and motor enclosure complete with solid bottom panels and inlet screening omitted for ducted application. Mechanical contractor to provide access doors in inlet ducting for motor/cooling tower access."
- .4 Refer to attached sketch AD01-M01 for revised cooling tower discharge to be complete with roof mounted tapered discharge. Mechanical contractor to provide suitable discharge plenum between cooling tower and tapered discharge hood complete with flex connection and access doors.

Item 5**5.0 Heat Pumps**

- .1 All heat pumps are served with 40% glycol, refer to Drawing M501 of location of glycol pump and storage tank.

ELECTRICAL**Item 1**

No electrical content.



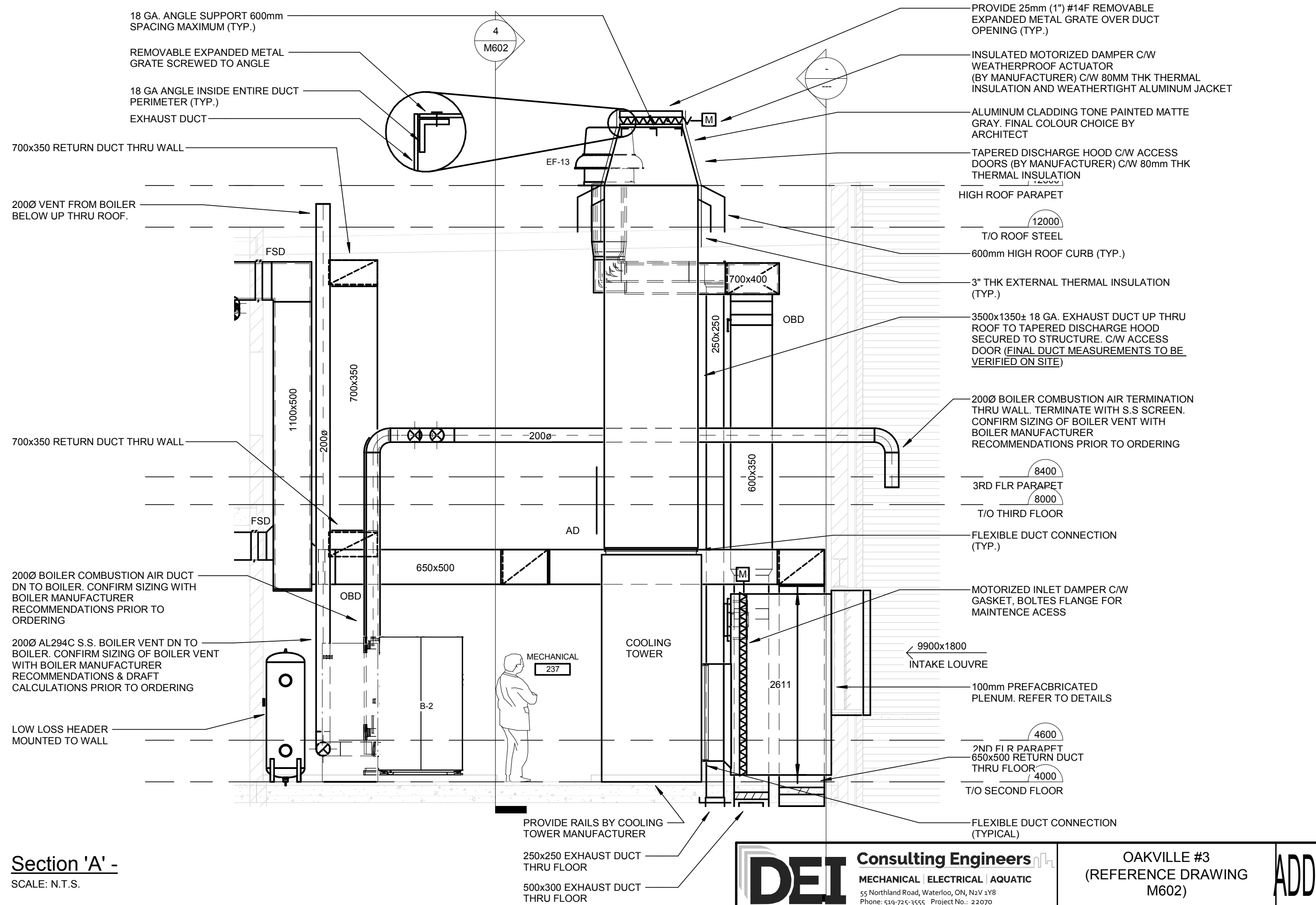
Matthew White, P.Eng.

Partner

22070 Addendum 01 (M-Spec Revisions)(AD01-M01) Jan 25 23

mw/sad





Section 'A' -
SCALE: N.T.S.

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555 Project No.: 22070

OAKVILLE #3
(REFERENCE DRAWING
M602)

ADD01-M01

January 25, 2023

Client: Hossack & Associates Architects
2150 Dunwin Drive, Unit #4,
Mississauga, ON L5L 5M8

RE: Oakville #3 Public School
Oakville, Ontario

Job #: 22070

Attn: Priscilla Ladouceur, B.E.S, B. Arch, OAA, MRAIC/Gabriela Betancourt, B.C.E., Dipl. Arch. Tech/
Christine Clark, Lic.Tech.Oaa, C.Tech

ADDENDUM 02

MECHANICAL

Item 1

No mechanical content.

ELECTRICAL

Item 1

1.0 Network Telecom

- .1 In Specification Section 27 10 00 'VoiceData Network Installations', revise Item 1.2.9 to read as follows, "The Category 6 channel communications system (voice/data) shall be provided by the communications system sub-contractor. The board selected communications sub-contractor contact info is as follows: Network Telecom Dave Waddle (519) 749-3699".

Item 2

2.0 Public Address System

- .1 In Specification Section 27 41 16.2 "Public Address Systems", add Item 1.4.5 to read as follows, "The public address system (including gym sound system and lockdown systems) shall be provided by public address system sub-contractor. The board approved public address system contact info is as follows: "Hamilton Video and Sound Gord Faulkner (905)522-1200".

Item 3

3.0 Lighting Fixture Schedule

- .1 Electrical revised as per attached sketch AD02-E02 and reference Drawing E8.1. Fixture finishes to be custom finishes selected from standard finishes or white finishes. Revised fixtures listed below:
 - 1. **Type S1**
3G Lighting (previously Cooper Cat# S124...)
3G-4PLI-D-D1000-H90-40K-UNV-DIM-FL-WH-60-S-4
 - 2. **Type S3**
3G Lighting (previously Cooper Cat# S124...)
3G-4PLI-D-D750-H90-40K-UNV-DIM-FL-WH-60-S-8



3. **Type S4**
3G Lighting (previously Cooper Cat# S124...)
3G-4PLI-D-D500-H90-40K-UNV-DIM-FL-WH-60-S-8
4. **Type S5**
3G Lighting (previously Cooper Cat# S124...)
3G-4PLI-D-D500-H90-40K-UNV-DIM-FL-WH-60-S-4



Dustin McConkey, Senior Electrical Designer,
Associate

22070 Addendum 02 (E-PA, network, lighting equivalents)(AD02-E02) Jan 25 23
tm/sad

LIGHT FIXTURE SCHEDULE AD-03

GENERAL NOTES:

1. LED LUMEN VALUES 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. EQUAL MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED FIXTURE BY EMAIL WITH CONSULTANTS OFFICE A MINIMUM OF 10 DAYS PRIOR TO TENDER CLOSE.
3. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.

Type	Manufacturer, Model, and Equals	Voltage	Wattage	Colour Temperature	Lamp	Lumens	Mounting	Description
S1	3G LIGHTING CAT. #3G-4PLI-D-D1000-H90-40K-UNV-DIM-FL-WH-60-S-4 LUMENWERX CAT. #VIA4PD-HLO-FH-NA-SW-80-1050-NA-40-4FT-UNV-D1-1C-ACS-X MARK ARCHITECTURAL LIGHTING CAT. S4LD-LLP-4FT-MSL4-80CRI-40K-1000LMF-MIN1- MVOLT-WHT-ZT-F2/72A-RDCY-WHTCY-WCRD	120 V	35.0 W	4000 K	LED	4000	SUSPENDED	4' LONG X 4" WIDE SUSPENDED LINEAR LED FIXTURE C/W 0-10V DIMMING DRIVER, WHITE TRIM, SNAP IN LENS, AND CUSTOM COLOUR BY ARCHITECT.
S3	3G LIGHTING CAT. #3G-4PLI-D-D750-H90-40K-UNV-DIM-FL-WH-60-S-8 LUMENWERX CAT. #VIA4PD-HLO-FH-NA-SW-80-795-NA-40-8FT-UNV-D1-1C-ACS-X MARK ARCHITECTURAL LIGHTING CAT. S4LD-LLP-8FT-MSL4-80CRI-40K-800LMF-MIN1- MVOLT-WHT-ZT-F2/72A-RDCY-WHTCY-WCRD	120 V	56.0 W	4000 K	LED	5832	SUSPENDED	8' LONG X 4" WIDE SUSPENDED LINEAR LED FIXTURE C/W 0-10V DIMMING DRIVER, WHITE TRIM, SNAP IN LENS, AND WHITE FINISH OR CUSTOM SELECTED BY ARCHITECT FROM STANDARD FINISHES.
S4	3G LIGHTING CAT. #3G-4PLI-D-D500-H90-40K-UNV-DIM-FL-WH-60-S-8 LUMENWERX CAT. #VIA4PD-HLO-FH-NA-SW-80-575-NA-40-8FT-UNV-D1-1C-ACS-X MARK ARCHITECTURAL LIGHTING CAT. S4LD-LLP-8FT-MSL4-80CRI-40K-600LMF-MIN1- MVOLT-WHT-ZT-F2/72A-RDCY-WHTCY-WCRD	120 V	38.4 W	4000 K	LED	4600	SUSPENDED	8' LONG X 4" WIDE SUSPENDED LINEAR LED FIXTURE C/W 0-10V DIMMING DRIVER, WHITE TRIM, SNAP IN LENS, AND WHITE FINISH OR CUSTOM SELECTED BY ARCHITECT FROM STANDARD FINISHES.
S5	3G LIGHTING CAT. #3G-4PLI-D-D500-H90-40K-UNV-DIM-FL-WH-60-S-4 LUMENWERX CAT. #VIA4PD-HLO-FH-NA-SW-80-575-NA-40-4FT-UNV-D1-1C-ACS-X MARK ARCHITECTURAL LIGHTING CAT. S4LD-LLP-4FT-MSL4-80CRI-40K-600LMF-MIN1- MVOLT-WHT-ZT-F2/72A-RDCY-WHTCY-WCRD	120 V	19.2 W	4000 K	LED	2300	SUSPENDED	4' LONG X 4" WIDE SUSPENDED LINEAR LED FIXTURE C/W 0-10V DIMMING DRIVER, WHITE TRIM, SNAP IN LENS, AND WHITE FINISH OR CUSTOM SELECTED BY ARCHITECT FROM STANDARD FINISHES.