

sza

Shoalts and Zaback Architects Ltd

Certificate of Practice Number: 2438

4 Cataragui Street, Suite 206, Kingston, ON K7K 1Z7
tel. 613 541 0776 fax. 613 541 0804
mail@szarch.com www.szarchitects.ca

Project Team

Architect: Shoalts and Zaback Architects Ltd
Roofing Designer: Fishburn Sheridan
Structural Engineer: Fishburn Sheridan
Mechanical Engineer: Callidus Engineering
Electrical Engineer: Callidus Engineering

Architectural Drawings

- A0 Title Sheet
- A1 Site Plan, OBC Matrix, Building Sign
- A2 Ground Floor Plan
- A3 Second Floor Plan and RCP
- A4 Ground Floor RCP
- A5 Roof Plan and Lift Section
- A6 Elevations
- A7 Specification
- A8 Specification
- A9 Specification

Mechanical Drawings

- M1 Mechanical Legends, Notes, & Details
- M2 Mechanical Schedules & Control Notes
- M3 Ground Floor Plan Mechanical Demolition
- M4 Second Floor Plan Mechanical Demolition
- M5 Roof Plan Mechanical Demolition
- M6 Ground Floor Plan Piping
- M7 Ground Floor Plan Air Distribution
- M8 Second Floor Plan Air Distribution
- M9 Roof Plan Mechanical
- M10 Mechanical Specifications
- M11 Mechanical Specifications
- M12 Mechanical Specifications

Electrical Drawings

- E1 Site Plan - Electrical
- E2 Single Line Diagram & Schedules - Electrical
- E3 Partial Basement - Demo
- E4 Partial Ground Floor - Demo
- E5 Partial Second Floor - Demo
- E6 Partial Roof Plan - Demo
- E7 Partial Basement - Proposed
- E8 Partial Ground Floor - Proposed
- E9 Partial Second Floor - Proposed
- E10 Partial Roof Plan - Proposed
- E11 Specifications - Electrical



Linklater Public School Renovations

300 Stone St. North, Gananoque Ontario

For the Upper Canada District School Board

Project Number: 22113

Issued for: Permit and Tender

Date: April 18, 2023

Roofing Drawings

- 1 Existing Roof Plan
- 2 Partial Roof Plans
- 3 Details
- 4 Details
- 5 Details
- 6 Details

Structural Drawings

- S1 Structural Plans & Sections
- S2 Structural Roof Plan
- S3 Structural Details
- S4 Structural Details

sza
Shoalts and Zaback Architects Ltd



Certificate of Practice Number: 2438
4 Cataragui Street, Suite 206, Kingston, ON K7K 1Z7
tel. 613 541 0776 fax. 613 541 0804
mail@szarch.com www.szarchitects.ca

This is a copyright drawing and design and shall not be used, reproduced or revised without written permission. The contractor shall check and verify all dimensions and report all errors and omissions to the architect prior to commencing with work. These drawings are not to be scaled. Any deviation in construction from the information shown on these drawings without written approval of the Architect is solely the responsibility of the Constructor



0	Issued for Permit and Tender	2023-04-18
C	Issued for 90% Review	2023-03-15
B	Issued for 60% Review	2023-02-24
A	Issued for 30% Review	2023-01-18
Revision	Description	Date

Project
Renovations to Linklater
Public School

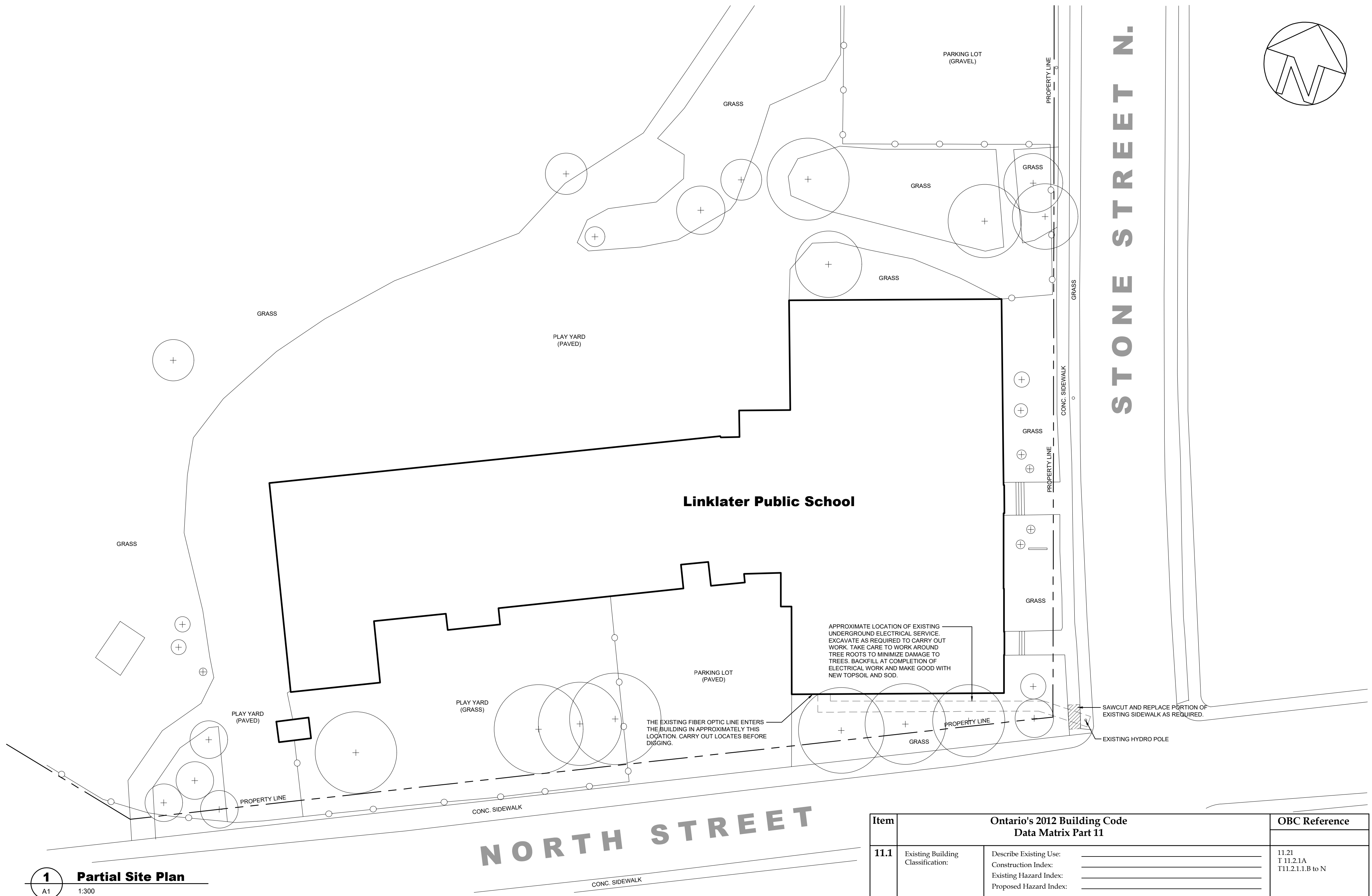
Location

300 Stone St. North
Gananoque, Ontario

Client
Upper Canada District School Board

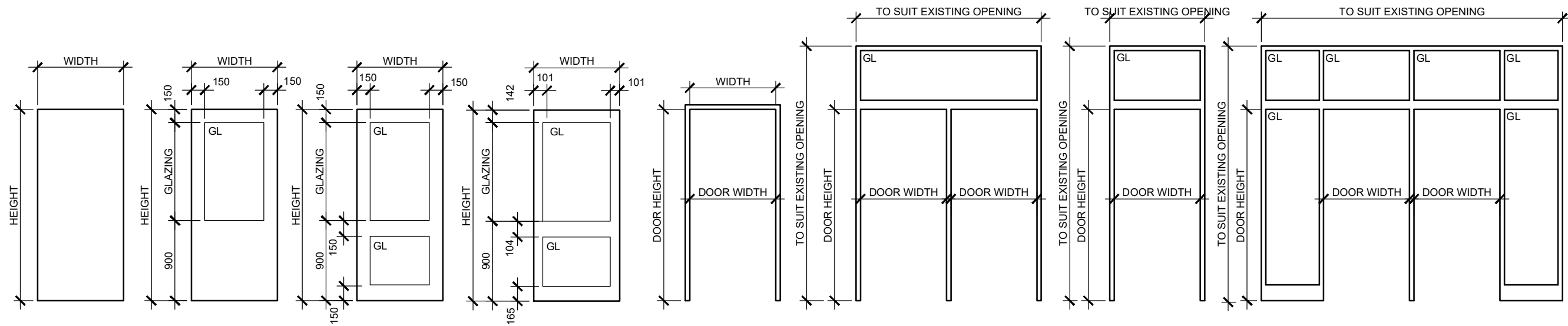
Drawing
Title Sheet

Drawn by JR	Date Jan 2023
File Name 22113-Linklater-Arch	Scale NTS
Client Project #	Drawing Number
Project # 22113	Revision # 0
	A0



1 Partial Site Plan
A1 1:300

DOOR SCHEDULE											
DR. No.	RTG (MIN)	DOOR				FRAME				HARDWARE	
		TYP	MAT	FIN	SIZE	GL	TYP	MAT	FIN	GL	
001	-	D2	HM	PT	EXISTING	GL-1	F1	HM	PT	-	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
100	-	D2	ALU	ANO	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
101b	-	D2	HM	PT	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
103	-	D4	ALU	ANO	EXISTING	GL-1	F4	ALU	ANO	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
107c	-	D2	HM	PT	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
121	-	D2	HM	PT	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
109a	-	D1	HM	PT	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
120a	45	D1	HM	PT	-	-	F1	HM	PT	-	CLOSER, STORAGE FUNCTION.
136	-	D3	HM	PT	EXISTING	GL-1	F2	HM	PT	GL-1	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES
138	-	D2	HM	PT	EXISTING	GL-1	F3	HM	PT	GL-2	CLOSER, WEATHER STRIPPING, ALUMINUM THRESHOLD, PANIC HARDWARE, EXTERIOR LEVER HANDLE, ROTON CONTINUOUS HINGES



Item	Ontario's 2012 Building Code Data Matrix Part 11	OBC Reference
11.1	Existing Building Classification: Describe Existing Use: _____ Construction Index: _____ Existing Hazard Index: _____ Proposed Hazard Index: _____ ■ Not Applicable (no change in Major Occupancy)	11.21 11.2.1A 11.2.1.1.B to N
11.2	Alteration to Existing Building is: Basic Renovation: <input checked="" type="checkbox"/> Extensive Renovation: <input type="checkbox"/>	11.3.3.1 11.3.3.2
11.3	Reduction in Performance Level: Structural: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes By Increase in Occupant Load: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes By Change in Major Occupancy: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Sewage: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	Compensating Construction: Structural: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (explain) New steel structure will be provided to support new roof top units as required. Increase in Occupant Load: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Change of Major Occupancy: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Plumbing: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) Sewage System: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain)	11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5	Compliance Alternatives Proposed: ■ No <input type="checkbox"/> Yes (give number(s)): _____	11.5.1
11.6	Alternative Measures Proposed: ■ No <input type="checkbox"/> Yes (explain): _____	11.5.2



0	Issued for Permit and Tender	2023-04-18
C	Issued for 90% Review	2023-03-15
B	Issued for 60% Review	2023-02-24
A	Issued for 30% Review	2023-01-18
Revision	Description	Date

Project
Renovations to Linklater Public School

Location

300 Stone St. North
Gananoque, Ontario

Client
Upper Canada District School Board

Drawing
OBC Matrix Site Plan

Drawn by
JR

Date
Jan 2023

File Name
22113-Linklater-Arch

Scale
As noted

Client Project #

Drawing Number

Project #
22113

Revision #
0

A1

Floor Plan Notes:

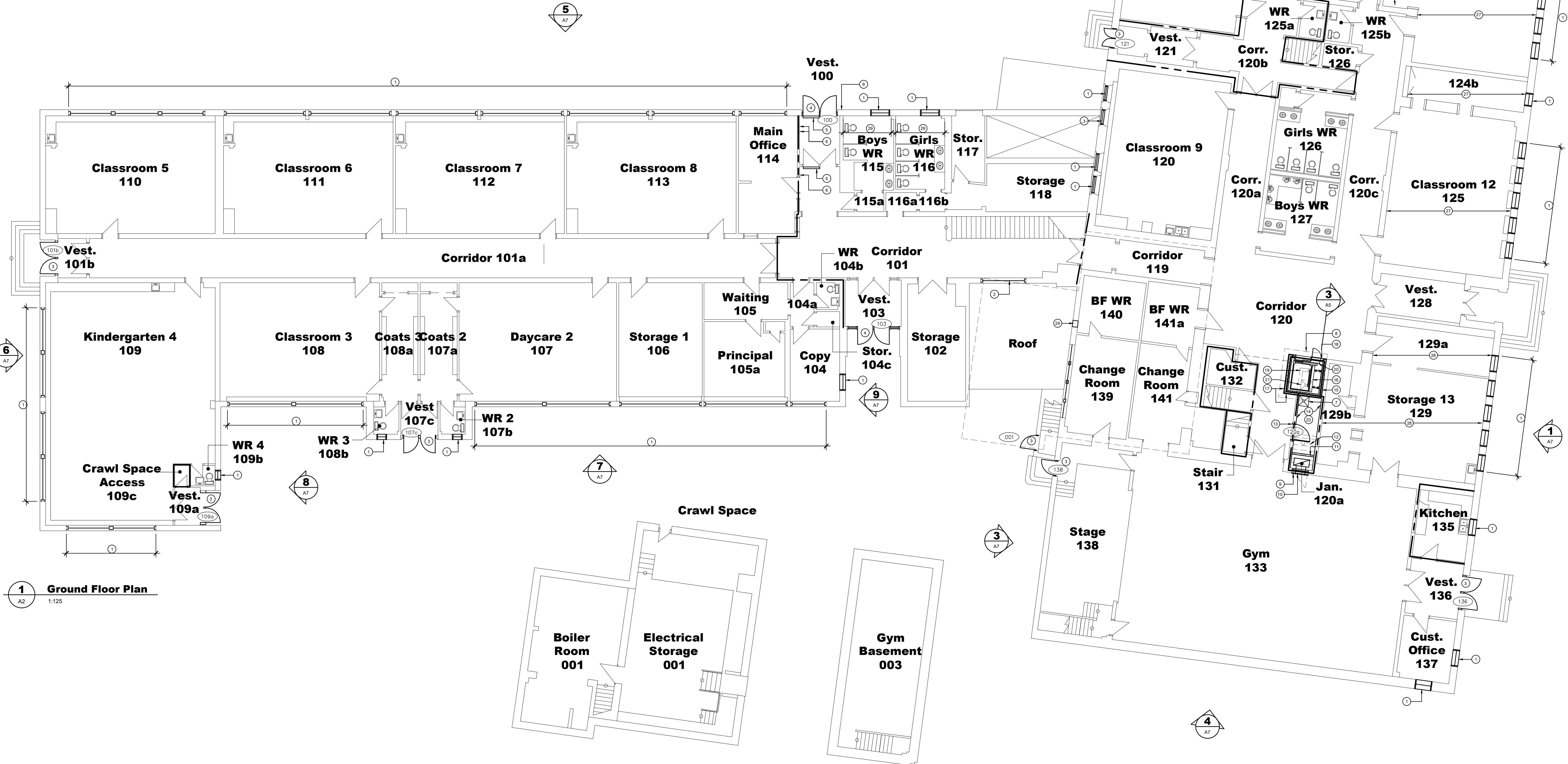
GENERAL:

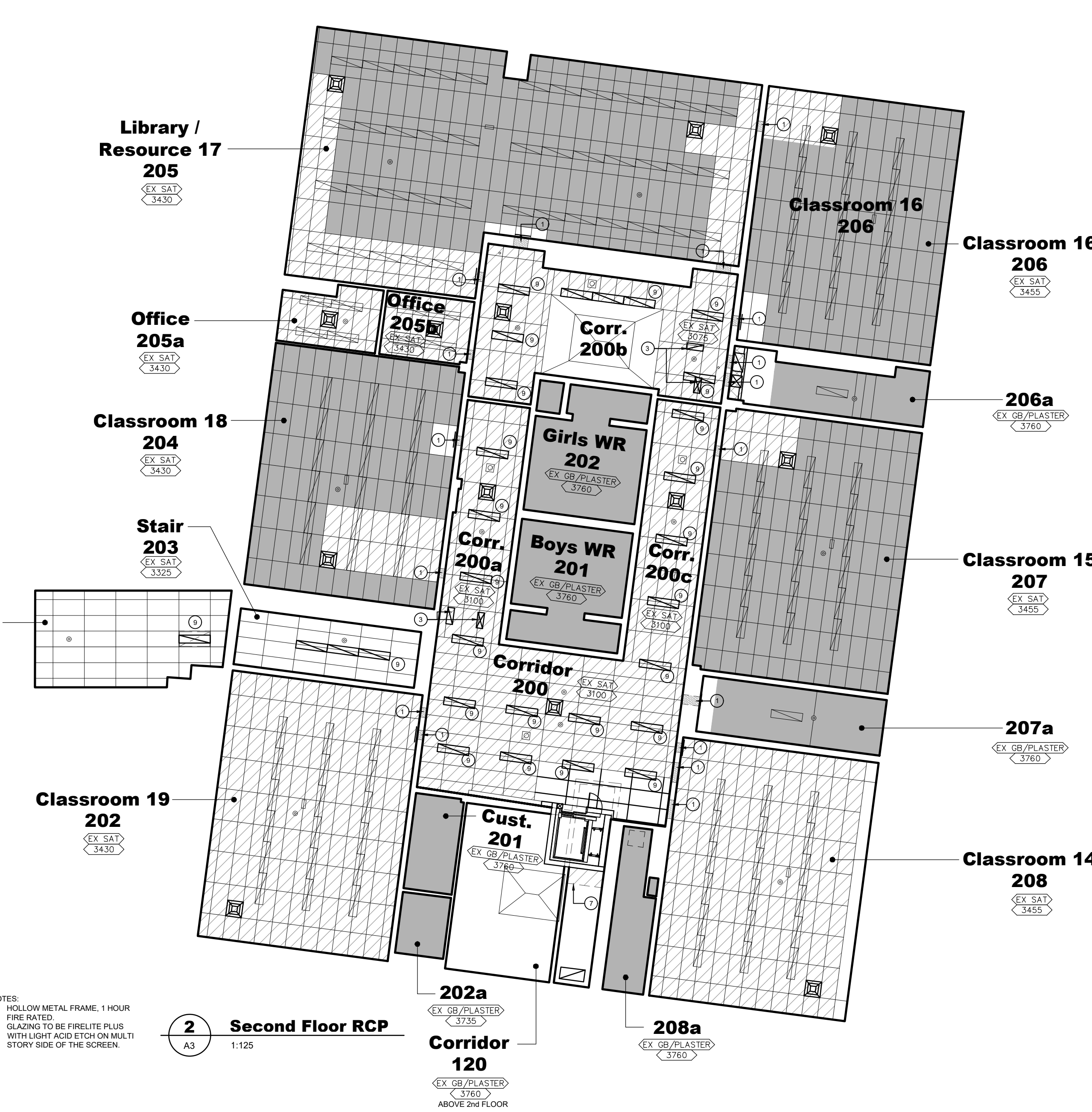
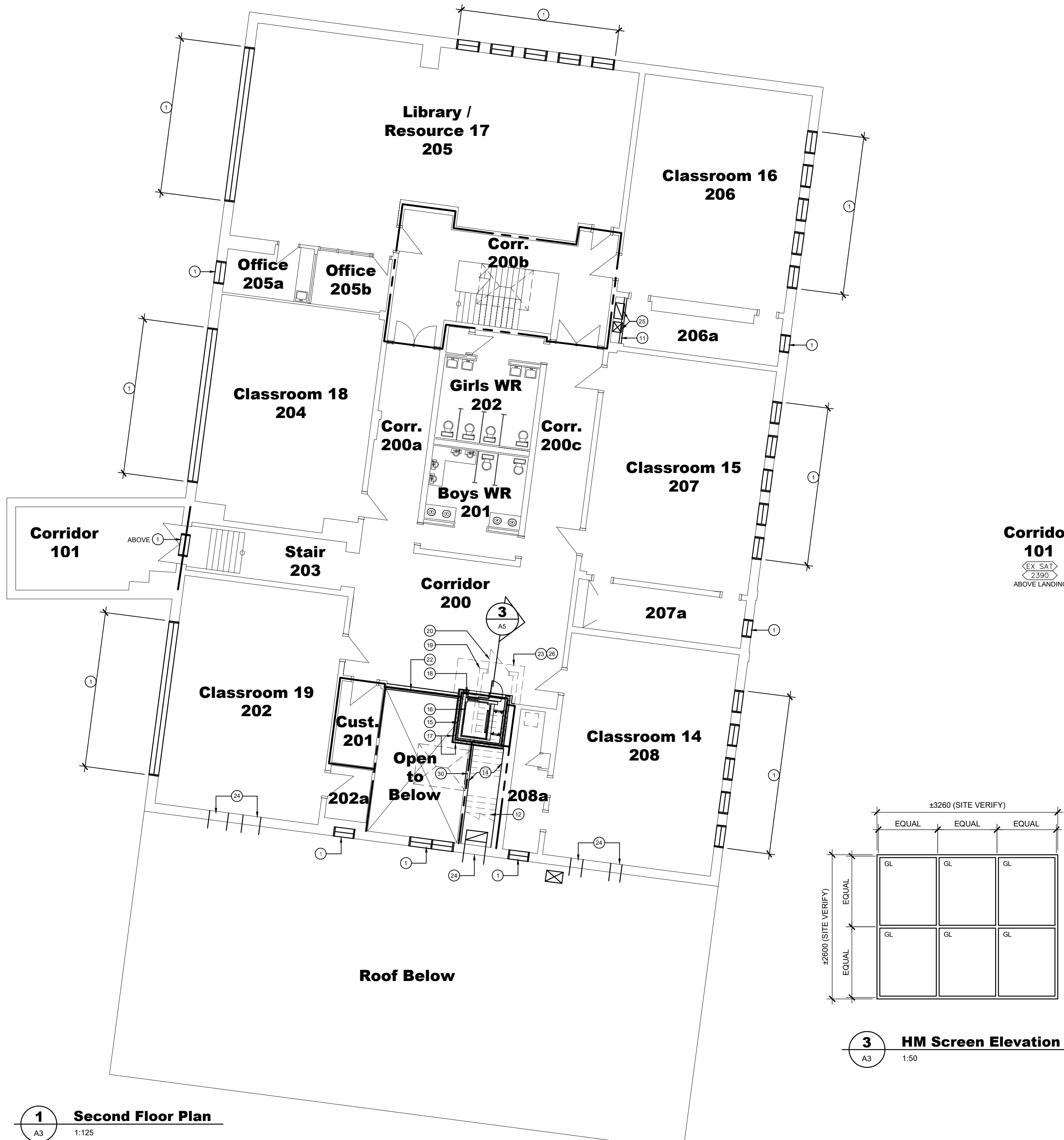
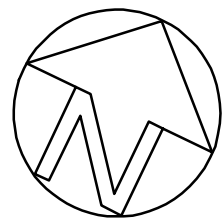
- CAREFULLY SAW CUT NEW OPENING IN EXISTING CONCRETE BLOCK WALL AS REQUIRED FOR NEW DUCTWORK, REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- TEMPORARILY OPEN CEILING AND WALLS AS REQUIRED TO CARRY OUT WORK. REINSTATE TO MATCH EXISTING ADJACENT.
- ALL SERVICES ARE TO BE CONCEALED WHENEVER POSSIBLE. EXPOSED SERVICES (WHERE ALLOWED) ARE TO BE PAINTED TO MATCH ADJACENT WALL / CEILING.
- REPAINT ALL AREAS AFFECTED BY THE WORK. IF A WALL / CEILING IS TO BE REPAINTED, THE ENTIRE WALL / CEILING IS TO BE REPAINTED. PAINT COLOURS TO MATCH EXISTING.
- SITE VERIFY ALL OPENINGS
- DENOTES EXISTING FIRE REPAIRATION. FIRE STOP ALL PENETRATIONS:
- THERE ARE EXISTING FIRE SEPARATIONS BETWEEN ALL LEVELS (BASEMENT (CRAWL SPACE) TO GROUND FLOOR AND GROUND FLOOR TO SECOND FLOOR.

NOTES:

- EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM WINDOW TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS. REVIEW EACH LOCATION ON SITE. OPEN CEILINGS AS REQUIRED AND REINSTATE. REPLACE WINDOW STOOL.
- EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM CURTAIN WALL TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS.
- REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW HOLLOW METAL FRAME (PAINTED), HOLLOW METAL DOOR (PAINTED) TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
- REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW THERMALLY BROKEN ANODIZED ALUMINUM DOOR AND FRAME TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
- NEW BARRIER FREE DOOR OPERATOR, TIE INTO EXISTING BUILDING SECURITY SYSTEM. DURING SCHOOL HOUSE THE EXTERIOR ACTUATOR IS TO BE DEACTIVATED AND THE OPERATOR ONLY ACTIVATED BY THE INTERIOR ACTUATOR OR BY SWITCH FROM THE MAIN OFFICE. THERE ARE EXISTING ELECTRIC STRIKES ON THE REVIEW EXISTING CONDITIONS AND PROVIDE ALL ADDITIONAL DEVICES, ETC AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. ELECTRIC STRIKE TO BE POWERED OFF OF OPERATOR. OPERATOR SUPPLIER TO SUPPLY APPROPRIATE RELAY / SWITCH. KEYSWITCH TO BE MOUNTED ON FRAME JAMB AND WIRED (BY OPERATOR INSTALLER) TO TURN OFF OUTSIDE ACTUATOR AT LOCK UP. MODE OF OPERATION - PUSHING INSIDE ACTUATOR MOMENTARILY OPENS ELECTRIC STRIKE AND BEGINS OPERATOR CYCLE AT ALL TIMES - PUSHING OUTSIDE ACTUATOR BEGINS OPERATOR CYCLE AT ALL TIMES BUT DOES NOT

- OPERATE DOOR STRIKE - ACTUATOR IS "TURNED OFF" BY KEYSWITCH AT LOCK-UP
- BARRIER FREE DOOR PUSH BUTTON (ACTUATOR). ENSURE A MINIMUM CLARENCE OF 600mm FROM THE EDGE OF THE DOOR SWING.
- NEW JANITORS SINK. REVISE PLUMBING AND DRAINAGE AS REQUIRED TO SUIT.
- OPEN EXISTING WOOD FLOOR. SHORE AND MODIFY EXISTING STRUCTURE AS REQUIRED. RELOCATE EXISTING PLUMBING AS REQUIRED. REINSTATE FLOOR LEVEL TO EXISTING ADJACENT. INSTALL NEW SHEET FLOORING AND BASE TO MATCH EXISTING.
- EXISTING HM DOOR AND FRAME TO BE REMOVED. IN FILL OPENING WITH 19mm VERY HIGH IMPACT (VHI) GYPSUM BOARD ON 92mm 19 GAUGE STEEL STUDS AT 400mm O.C. SET BACK FROM FACE OF ADJACENT MASONRY BY 25mm. PROVIDE NEW WOOD BASE TO MATCH EXISTING ADJACENT. PROVIDE CONTINUOUS SEALANT AT JUNCTION OF GYPSUM BOARD AND MASONRY.
- NEW RETURN AIR LOUVER.
- NEW WALL: 16mm GYPSUM BOARD ON 92mm STEEL STUDS AT 400mm O.C. WITH WALL BASE TO MATCH EXISTING.
- EXISTING STEEL STAIRS TO BE REMOVED.
- NEW HOLLOW METAL DOOR AND FRAME, (PAINTED) MODIFY EXISTING GYPSUM BOARD AND STUD WALL AS REQUIRED.
- INSTALL NEW 16mm MOISTURE RESISTANT TYPE X GYPSUM BOARD ON ALL WALLS UP TO THE SECOND FLOOR CEILING. FIRE STOP ALL PENETRATIONS.
- NEW 190mm CONCRETE BLOCK LIFT SHAFT.
- NEW LULA LIFT.
- NEW 16mm GYPSUM BOARD (PAINTED) ON 22mm FURRING CHANNELS ON CONCRETE BLOCK LIFT SHAFT.
- LIFT FRONT WALL TO BE 16mm GYPSUM BOARD (PAINTED) ON 152mm STEEL STUDS AT 400mm O.C. WITH 22mm FURRING CHANNELS AT 400mm O.C. PROVIDE ALL REQUIRED BLOCKING.
- PORTION OF EXISTING GYPSUM BOARD WALL TO BE REMOVED FOR NEW LIFT.
- EXISTING HOLLOW METAL DOOR TO BE REMOVED.
- EXISTING JANITORS SINK TO BE REMOVED. ASSOCIATED PLUMBING IS TO BE MODIFIED TO SUIT NEW LAYOUT.
- NEW HOLLOW METAL SCREEN (PAINTED) IN EXISTING MODIFIED OPENING c/w FIRE RATED FIRELITE CERAMIC GLASS, LIGHT ACID ETCH ON MULTI-STORY SIDE OF SCREEN. REFER TO SCREEN ELEVATION 3 ON A3.
- NEW SHEET FLOORING AND BASE TO MATCH EXISTING. PREPARE EXISTING WOOD SUB-FLOOR AS REQUIRED.
- MODIFY EXISTING EXTERIOR WALL AS REQUIRED TO SUIT NEW DUCTWORK AND DUCT PENETRATION.
- MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED FOR NEW DUCT OPENING. FIRE STOP PENETRATION.
- MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED FOR NEW LIFT. MAKE GOOD AFFECTED AREAS FLUSH TO EXISTING ADJACENT.
- REMOVE EXISTING FLOORING DOWN TO WOOD SUB-FLOOR. PREPARE AS REQUIRED AND INSTALL NEW SHEET FLOORING.
- REMOVE EXISTING FLOORING DOWN TO WOOD SUB-FLOOR. PREPARE AS REQUIRED AND INSTALL NEW VCT FLOORING.
- REPAIR DAMAGE GYPSUM BOARD WALLS IN THIS AREA. REPAINT ENTIRE WALL.
- REMOVE EXISTING WINDOW INTO STAIRWELL. INFILL WITH NEW GYPSUM BOARD AND STEEL STUDS. MAKE GOOD AND REPAINT ENTIRE WALL.





RCP Notes:

- GENERAL:**
- CAREFULLY SAW CUT NEW OPENING IN EXISTING CONCRETE BLOCK WALL AS REQUIRED FOR NEW DUCTWORK. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
 - TEMPORARILY OPEN CEILING AND WALLS AS REQUIRED TO CARRY OUT WORK. REINSTATE TO MATCH EXISTING ADJACENT.
 - ALL SERVICES ARE TO BE CONCEALED WHENEVER POSSIBLE. EXPOSED SERVICES (WHERE ALLOWED) ARE TO BE PAINTED TO MATCH ADJACENT WALL / CEILING.
 - REPAINT ALL AREAS AFFECTED BY THE WORK. IF A WALL / CEILING IS TO BE REPAINTED, THE ENTIRE WALL / CEILING IS TO BE REPAINTED. PAINT COLOURS TO MATCH EXISTING.
 - SITE VERIFY ALL OPENINGS.
 - PROVIDE ALL REQUIRED LINTELS / FRAMING REQUIRED AT NEW OPENINGS.
 - REPLACE ALL DAMAGED CEILING TILES AND TRACK IN THE AREAS WHERE CEILINGS ARE REMOVED. ALLOW FOR 40 TOTAL ADDITIONAL DAMAGED TILES TO BE REPLACED IN AREAS WHERE THE CEILING IS TO REMAIN.
 - THERE IS AN EXISTING PLASTER / GYPSUM BOARD CEILING ABOVE THE EXISTING SAT AREAS. ALLOW FOR REMOVALS AS REQUIRED. THIS A FIRE SEPARATION AT THE FLOORS AND FIRE PROTECTION AT THE ROOF LEVEL. MAKE GOOD ALL NEW OPENINGS AND FIRE STOP AS REQUIRED.
 - ALL DUCT OPENINGS ARE APPROXIMATE AND ARE TO BE COORDINATED WITH THE MECHANICAL DRAWINGS AND THE EXISTING SITE CONDITIONS.

NOTES:

- MODIFY EXISTING MASONRY WALL AS REQUIRED FOR NEW DUCT OPENING. REFER TO MECHANICAL FOR DUCT SIZES.
- MODIFY EXISTING GYPSUM BOARD / PLASTER PARTITION AS REQUIRED FOR NEW DUCT OPENING. REFER TO MECHANICAL FOR DUCT SIZES.
- NEW SUPPLY AND RETURN DUCTS FROM ROOF TOP UNIT ABOVE. MODIFY EXISTING ROOF STRUCTURE AS REQUIRED. MODIFY THE EXISTING GYPSUM BOARD/PLASTER CEILING ABOVE THE SAT. REINSTATE REMOVED PORTIONS WITH NEW 16mm GYPSUM BOARD.
- NEW EXPOSED DUCTWORK (PAINTED).
- NEW DUCTWORK FROM ROOF TOP UNIT ABOVE. MODIFY EXISTING STEEL ROOF STRUCTURE AS REQUIRED.
- NEW SUSPENDED ACOUSTICAL TILE CEILING.
- MODIFY EXISTING GYPSUM BOARD / PLASTER CEILING AS REQUIRED TO INSTALL NEW LIFT AND MODIFY THE EXISTING STRUCTURE. MAKE GOOD AND REPAINT THE ENTIRE CEILING.
- NEW DUCTWORK FROM ROOF TOP UNIT ON ROOF. MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED. FIRE STOP.
- EXISTING LIGHT TO BE REMOVED AND REPLACED WITH NEW. REFER TO ELECTRICAL.
- NEW STEEL STRUCTURE (EXPOSED), PAINTED.
- MODIFY EXISTING WALL AS REQUIRED TO INSTALL NEW STEEL.
- MODIFY EXISTING ROOF DRAIN AS REQUIRED TO INSTALL NEW STEEL STRUCTURE. REINSTALL ROOF DRAIN TO ORIGINAL POSITION.

RCP Legend:

- SUSPENDED ACOUSTIC TILE CEILING (SAT)
- 12" x 12" TILE CEILING
- AREA EXISTING SAT TO BE CAREFULLY REMOVED AS REQUIRED TO CARRY OUT WORK. REINSTATE AND REPLACE ALL DAMAGED TILES AND GRID.
- APPROXIMATE AREA OF EXISTING GYPSUM BOARD OR PLASTER CEILING TO BE MODIFIED AS REQUIRED TO CARRY OUT WORK. MAKE GOOD FLUSH TO EXISTING ADJACENT.
- NO WORK IN THIS AREA
- RECESSED FLUORESCENT LIGHT (EXISTING)
- RECESSED FLUORESCENT LIGHT (NEW)
- SURFACE MOUNTED FLUORESCENT LIGHT (EXISTING)
- SURFACE MOUNTED FLUORESCENT LIGHT (NEW)
- SURFACE MOUNTED LIGHT (EXISTING)
- SPEAKER (EXISTING)
- DETECTOR (EXISTING)
- AIR SUPPLY DIFFUSER (NEW)
- AIR RETURN GRILL (NEW)

- Floor Plan Notes:**
- GENERAL:**
- CAREFULLY SAW CUT NEW OPENING IN EXISTING CONCRETE BLOCK WALL AS REQUIRED FOR NEW DUCTWORK. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
 - TEMPORARILY OPEN CEILING AND WALLS AS REQUIRED TO CARRY OUT WORK. REINSTATE TO MATCH EXISTING ADJACENT.
 - ALL SERVICES ARE TO BE CONCEALED WHENEVER POSSIBLE. EXPOSED SERVICES (WHERE ALLOWED) ARE TO BE PAINTED TO MATCH ADJACENT WALL / CEILING.
 - REPAINT ALL AREAS AFFECTED BY THE WORK. IF A WALL / CEILING IS TO BE REPAINTED, THE ENTIRE WALL / CEILING IS TO BE REPAINTED. PAINT COLOURS TO MATCH EXISTING.
 - SITE VERIFY ALL OPENINGS.
 - DENOTES EXISTING FIRE REPAIRATION. FIRE STOP ALL PENETRATIONS.
 - THERE ARE EXISTING FIRE SEPARATIONS BETWEEN ALL LEVELS (BASEMENT (CRAWL SPACE) TO GROUND FLOOR AND GROUND FLOOR TO SECOND FLOOR.
- NOTES:**
- EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM WINDOW TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS. REVIEW EACH LOCATION ON SITE. OPEN CEILINGS AS REQUIRED AND REINSTATE. REPLACE WINDOW STOOL.
 - EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM CURTAIN WALL TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS.
 - REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW HOLLOW METAL FRAME (PAINTED), HOLLOW METAL DOOR (PAINTED) TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
 - REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW THERMALLY BROKEN ANODIZED ALUMINUM DOOR AND FRAME TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
 - NEW BARRIER FREE DOOR OPERATOR. THE INTO EXISTING BUILDING SECURITY SYSTEM. DURING SCHOOL HOUSE THE EXTERIOR ACTUATOR IS TO BE DEACTIVATED AND THE OPERATOR ONLY ACTIVATED BY THE INTERIOR ACTUATOR OR BY SWITCH FROM THE MAIN OFFICE. THERE ARE EXISTING ELECTRIC STRIKES ON THE REVIEW EXISTING CONDITIONS AND PROVIDE ALL ADDITIONAL DEVICES, ETC AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
 - ELECTRIC STRIKE TO BE POWERED OFF BY OPERATOR. OPERATOR SUPPLIER TO SUPPLY APPROPRIATE RELAY / SWITCH. KEYSWITCH TO BE MOUNTED ON FRAME JAMB AND WIRED (BY OPERATOR INSTALLER) TO TURN OFF OUTSIDE ACTUATOR AT LOCK UP.
 - MODE OF OPERATION - PUSHING INSIDE ACTUATOR MOMENTARILY OPENS ELECTRIC STRIKE AND BEGINS OPERATOR CYCLE AT ALL TIMES - PUSHING OUTSIDE ACTUATOR BEGINS OPERATOR CYCLE AT ALL TIMES BUT DOES NOT

- OPERATE DOOR STRIKE - ACTUATOR IS "TURNED OFF" BY KEYSWITCH AT LOCK-UP.
- BARRIER FREE DOOR PUSH BUTTON (ACTUATOR). ENSURE A MINIMUM CLEARANCE OF 600mm FROM THE EDGE OF THE DOOR SWING.
- NEW JANITORS SINK. REVISE PLUMBING AND DRAINAGE AS REQUIRED TO SUIT.
- OPEN EXISTING WOOD FLOOR, SHORE AND MODIFY EXISTING STRUCTURE AS REQUIRED. RELOCATE EXISTING PLUMBING AS REQUIRED. REINSTATE FLOOR LEVEL TO EXISTING ADJACENT. INSTALL NEW SHEET FLOORING AND BASE TO MATCH EXISTING.
- EXISTING HM DOOR AND FRAME TO BE REMOVED. IN FILL OPENING WITH 19mm VERY HIGH IMPACT (VHI) GYPSUM BOARD ON 92mm 19 GAUGE STEEL STUDS AT 400mm O.C. SET BACK FROM FACE OF ADJACENT MASONRY BY 25mm. PROVIDE NEW WOOD BASE TO MATCH EXISTING ADJACENT. PROVIDE CONTINUOUS SEALANT AT JUNCTION OF GYPSUM BOARD AND MASONRY.
- NEW RETURN AIR LOUVER.
- NEW WALL: 16mm GYPSUM BOARD ON 92mm STEEL STUDS AT 400mm O.C. WITH WALL BASE TO MATCH EXISTING.
- EXISTING STEEL STAIRS TO BE REMOVED.
- NEW HOLLOW METAL DOOR AND FRAME (PAINTED) MODIFY EXISTING GYPSUM BOARD AND STUD WALL AS REQUIRED.
- INSTALL NEW 16mm MOISTURE RESISTANT TYPE X GYPSUM BOARD ON ALL WALLS UP TO THE SECOND FLOOR CEILING. FIRE STOP ALL PENETRATIONS.
- NEW 190mm CONCRETE BLOCK LIFT SHAFT.
- NEW LULA LIFT.
- NEW 16mm GYPSUM BOARD (PAINTED) ON 22mm FURRING CHANNELS ON CONCRETE BLOCK LIFT SHAFT.
- LIFT FRONT WALL TO BE 16mm GYPSUM BOARD (PAINTED) ON 152mm STEEL STUDS AT 400mm O.C. WITH 22mm FURRING CHANNELS AT 400mm O.C. PROVIDE ALL REQUIRED BLOCKING.
- PORTION OF EXISTING GYPSUM BOARD WALL TO BE REMOVED FOR NEW LIFT.
- EXISTING HOLLOW METAL DOOR TO BE REMOVED.
- EXISTING JANITORS SINK TO BE REMOVED. ASSOCIATED PLUMBING IS TO BE MODIFIED TO SUIT NEW LAYOUT.
- NEW HOLLOW METAL SCREEN (PAINTED) IN EXISTING MODIFIED OPENING ON FIRE RATED FIRELITE CERAMIC GLASS. LIGHT ACID ETCH ON MULTI-STORY SIDE OF SCREEN. REFER TO SCREEN ELEVATION 3 ON A3.
- NEW SHEET FLOORING AND BASE TO MATCH EXISTING. PREPARE EXISTING WOOD SUB-FLOOR AS REQUIRED.
- MODIFY EXISTING EXTERIOR WALL AS REQUIRED TO SUIT NEW DUCTWORK AND DUCT PENETRATION.
- MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED FOR NEW DUCT OPENING. FIRE STOP PENETRATION.
- MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED FOR NEW LIFT. MAKE GOOD AFFECTED AREAS FLUSH TO EXISTING ADJACENT.
- REMOVE EXISTING FLOORING DOWN TO WOOD SUB-FLOOR. PREPARE AS REQUIRED AND INSTALL NEW SHEET FLOORING.
- REMOVE EXISTING FLOORING DOWN TO WOOD SUB-FLOOR. PREPARE AS REQUIRED AND INSTALL NEW VCT FLOORING.
- REPAIR DAMAGE GYPSUM BOARD WALLS IN THIS AREA. REPAINT ENTIRE WALL.
- REMOVE EXISTING WINDOW INTO STAIRWELL. INFILL WITH NEW GYPSUM BOARD AND STEEL STUDS. MAKE GOOD AND REPAINT ENTIRE WALL.

0	Issued for Permit and Tender	2023-04-18
C	Issued for 90% Review	2023-03-15
B	Issued for 60% Review	2023-02-24
A	Issued for 30% Review	2023-01-18
Revision	Description	Date

Project
Renovations to Linklater Public School

Location

300 Stone St. North
Gananoque, Ontario

Client
Upper Canada District School Board

Drawing
**Second Floor
Second Floor RCP
Screen Elevation**

Drawn by JR	Date Jan 2023
File Name 22113-Linklater-Arch	Scale 1:125
Client Project #	Drawing Number

Project # 22113	Revision # 0	A3
--------------------	-----------------	-----------

RCP Notes:

GENERAL:

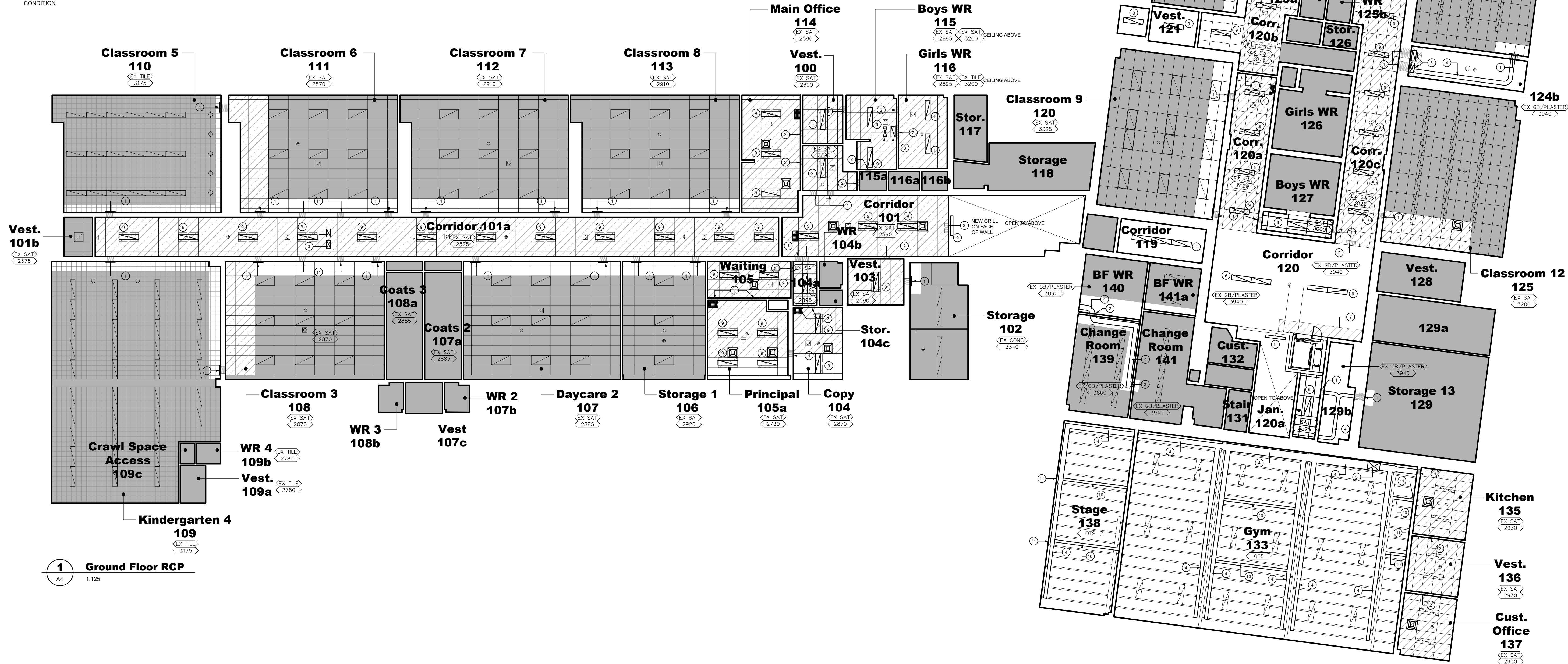
- CAREFULLY SAW CUT NEW OPENING IN EXISTING CONCRETE BLOCK WALL AS REQUIRED FOR NEW DUCTWORK. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- TEMPORARILY OPEN CEILINGS AND WALLS AS REQUIRED TO CARRY OUT WORK. REINSTATE TO MATCH EXISTING ADJACENT.
- ALL SERVICES ARE TO BE CONCEALED WHENEVER POSSIBLE. EXPOSED SERVICES (WHERE ALLOWED) ARE TO BE PAINTED TO MATCH ADJACENT WALL / CEILING.
- REPAINT ALL AREAS AFFECTED BY THE WORK. IF A WALL / CEILING IS TO BE REPAINTED, THE ENTIRE WALL / CEILING IS TO BE REPAINTED. PAINT COLOURS TO MATCH EXISTING.
- SITE VERIFY ALL OPENINGS
- PROVIDE AIR REQUIRED LINTELS / FRAMING REQUIRED AT NEW OPENINGS.
- REPLACE ALL DAMAGED CEILING TILES AND TRACK IN THE AREAS WHERE CEILINGS ARE REMOVED. ALLOW FOR 40 TOTAL ADDITIONAL DAMAGED TILES TO BE REPLACED IN AREAS WHERE THE CEILING IS TO REMAIN.
- THERE IS AN EXISTING PLASTER / GYPSUM BOARD CEILING ABOVE THE EXISTING SAT AREAS. ALLOW FOR REMOVALS AS REQUIRED. THIS A FIRE SEPARATION AT THE FLOORS AND FIRE PROTECTION AT THE ROOF LEVEL. MAKE GOOD ALL NEW OPENINGS AND FIRE STOP AS REQUIRED.
- ALL DUCT OPENINGS ARE APPROXIMATE AND ARE TO BE COORDINATED WITH THE MECHANICAL DRAWINGS AND THE EXISTING SITE CONDITIONS.

NOTES:

- MODIFY EXISTING MASONRY WALL AS REQUIRED FOR NEW DUCT OPENING. REFER TO MECHANICAL FOR DUCT SIZES.
- MODIFY EXISTING GYPSUM BOARD / PLASTER PARTITION AS REQUIRED FOR NEW DUCT OPENING. REFER TO MECHANICAL FOR DUCT SIZES.
- NEW SUPPLY AND RETURN DUCTS FROM ROOF TOP UNIT ABOVE. MODIFY EXISTING ROOF STRUCTURE AS REQUIRED. MODIFY THE EXISTING GYPSUM BOARD/PLASTER CEILING ABOVE THE SAT. REINSTATE REMOVED PORTIONS WITH NEW 16mm GYPSUM BOARD.
- NEW EXPOSED DUCTWORK (PAINTED).
- NEW DUCTWORK FROM ROOF TOP UNIT ABOVE. MODIFY EXISTING STEEL ROOF STRUCTURE AS REQUIRED.
- NEW SUSPENDED ACOUSTICAL TILE CEILING.
- MODIFY EXISTING GYPSUM BOARD / PLASTER CEILING AS REQUIRED TO INSTALL NEW LIFT AND MODIFY THE EXISTING STRUCTURE. MAKE GOOD AND REPAINT THE ENTIRE CEILING.
- NEW DUCTWORK FROM ROOF TOP UNIT ON ROOF. MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED. FIRE STOP.
- EXISTING LIGHT TO BE REMOVED AND REPLACED WITH NEW. REFER TO ELECTRICAL.
- NEW STEEL STRUCTURE (EXPOSED). PAINTED.
- MODIFY EXISTING WALL AS REQUIRED TO INSTALL NEW STEEL.
- MODIFY EXISTING ROOF DRAIN AS REQUIRED TO INSTALL NEW STEEL STRUCTURE. REINSTALL ROOF DRAIN TO ORIGINAL CONDITION.

RCP Legend:

- SUSPENDED ACOUSTIC TILE CEILING (SAT)
- 12" x 12" TILE CEILING
- AREA EXISTING SAT TO BE CAREFULLY REMOVED AS REQUIRED TO CARRY OUT WORK. REINSTATE AND REPLACE ALL DAMAGED TILES AND GRID.
- APPROXIMATE AREA OF EXISTING GYPSUM BOARD OR PLASTER CEILING TO BE MODIFIED AS REQUIRED TO CARRY OUT WORK. MAKE GOOD FLUSH TO EXISTING ADJACENT.
- NO WORK IN THIS AREA
- RECESSED FLUORESCENT LIGHT (EXISTING)
- RECESSED FLUORESCENT LIGHT (NEW)
- SURFACE MOUNTED FLUORESCENT LIGHT (EXISTING)
- SURFACE MOUNTED FLUORESCENT LIGHT (NEW)
- SURFACE MOUNTED LIGHT (EXISTING)
- SPEAKER (EXISTING)
- DETECTOR (EXISTING)
- AIR SUPPLY DIFFUSER (NEW)
- AIR RETURN GRILL (NEW)



sza

Shoalts and Zaback Architects Ltd



Certificate of Practice Number:

4 Cataragui Street, Suite 206, Kingston, ON
Tel: 613 541 0776
mail@szarch.com

2438

K7K 1Z7
fax: 613 541 0804
www.szarchitects.ca

This is a copyright drawing and design and shall not be used, reproduced or revised without written permission. The contractor shall check and verify all dimensions and report all errors and omissions to the architect prior to commencing with work. These drawings are not to be scaled. Any deviation in construction from the information shown on these drawings without written approval of the Architect is solely the responsibility of the Constructor.



C Issued for 90% Review 2023-03-15

Issued for 60% Review 2023-02-24

A Issued for 30% Review 2023-01-18

Revision Description Date

Project Renovations to Linklater

Public School

Location

300 Stone St. North

Gananoque, Ontario

Client

Upper Canada District School Board

Drawing

Ground Floor RCP

Drawn by

JR

Date

Jan 2023

File Name

22113-Linklater-Arch

Scale

1:125

Client Project #

Drawing Number

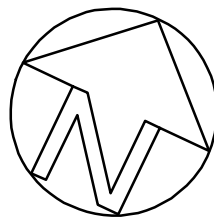
Project #

22113

Revision #

C

A4



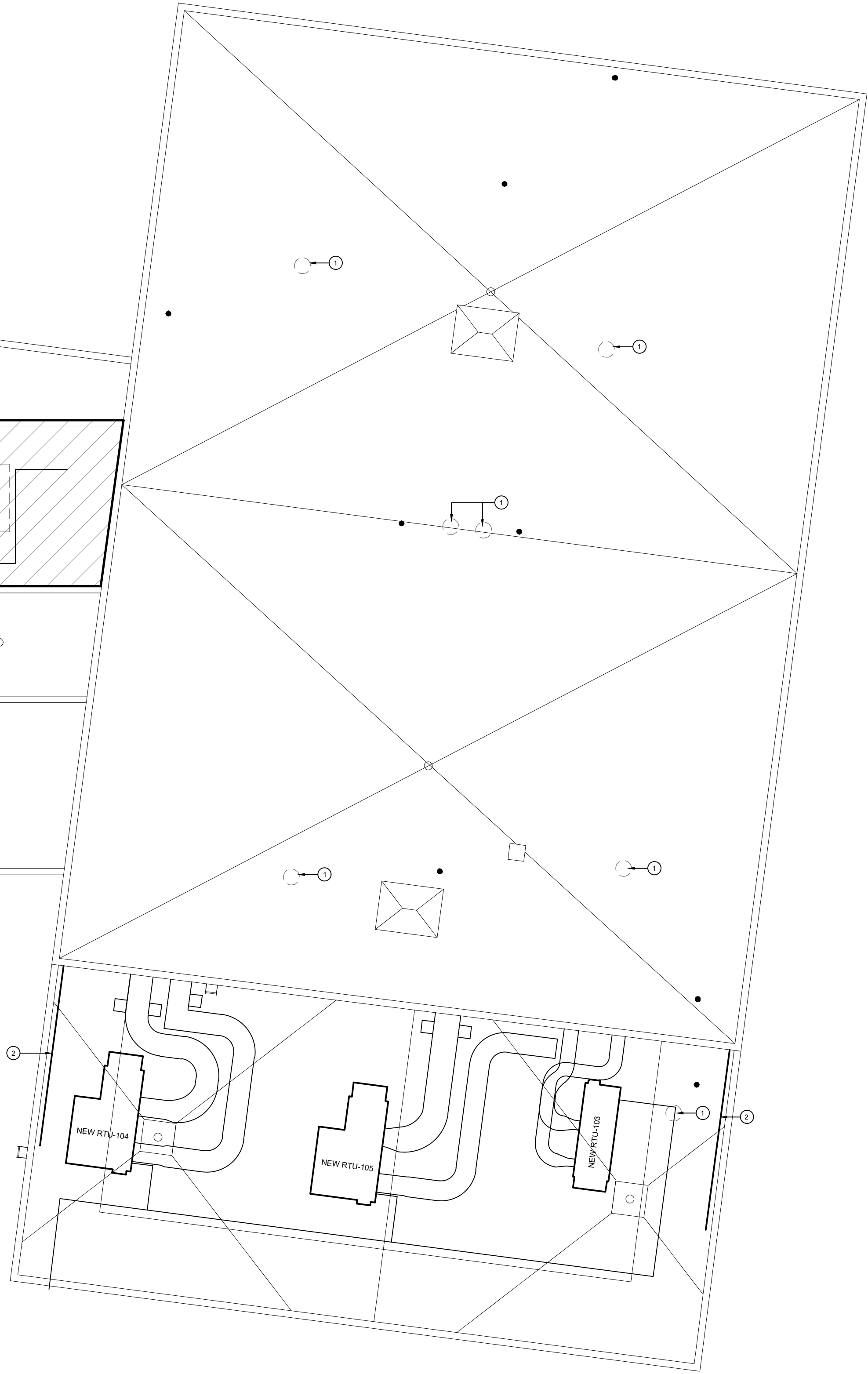
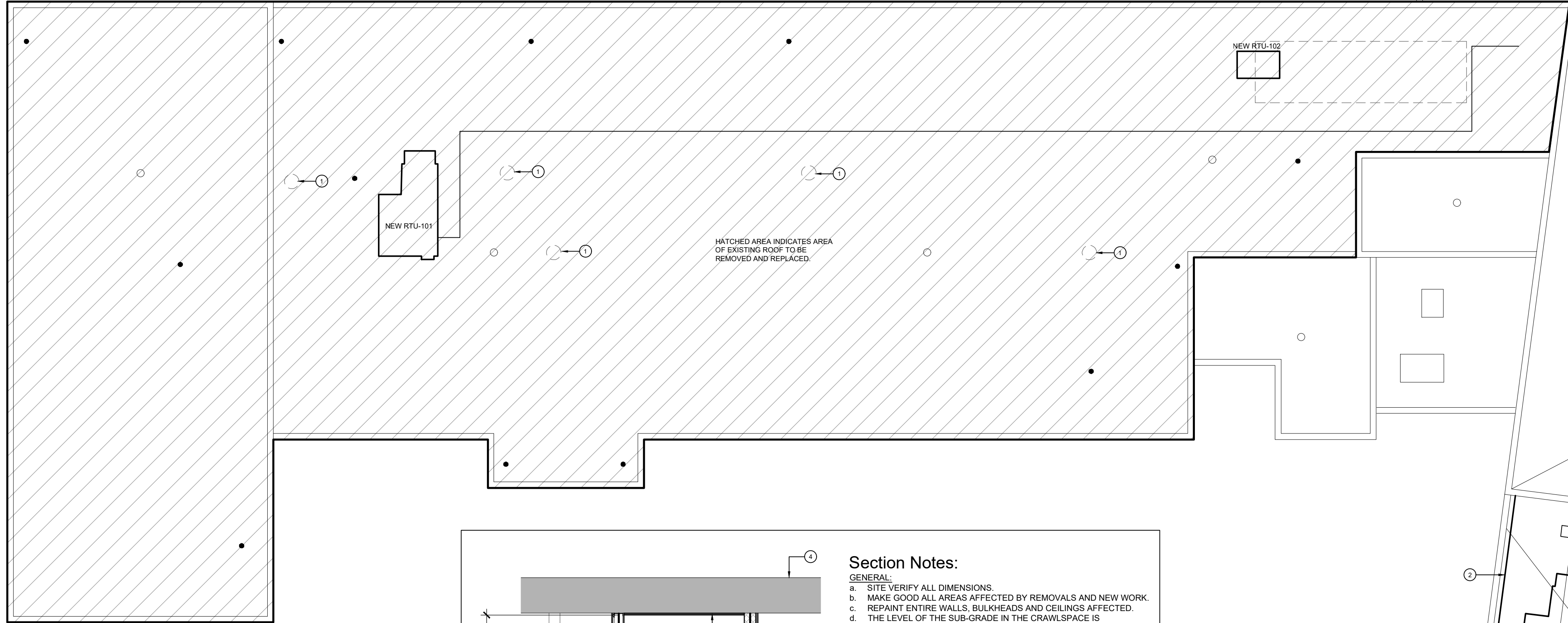
Roof Plan Notes:

GENERAL:

- AFTER REMOVALS ENSURE THAT BUILDING REMAINS WATER TIGHT AT ALL TIMES. CAP / SEAL ALL OPENINGS AS REQUIRED.
- REFER TO ROOFING DRAWINGS FOR FULL EXTENT OF ROOFING WORK.
- REFER TO MECHANICAL DRAWINGS FOR FULL EXTENT OF REMOVALS AND NEW UNIT LOCATIONS AND ROOF OPENINGS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL PENETRATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR ROOF REINFORCEMENT FOR NEW PHOTOVOLTAIC SYSTEM AND ROOF TOP UNIT OPENINGS.

NOTES:

- REMOVE ROOFTOP EQUIPMENT ASSOCIATED CURB TO REMAIN, CAPPED WATERTIGHT.
- NEW BALLASTED ROOF GUARD.



1 Roof Plan
A5 1:125

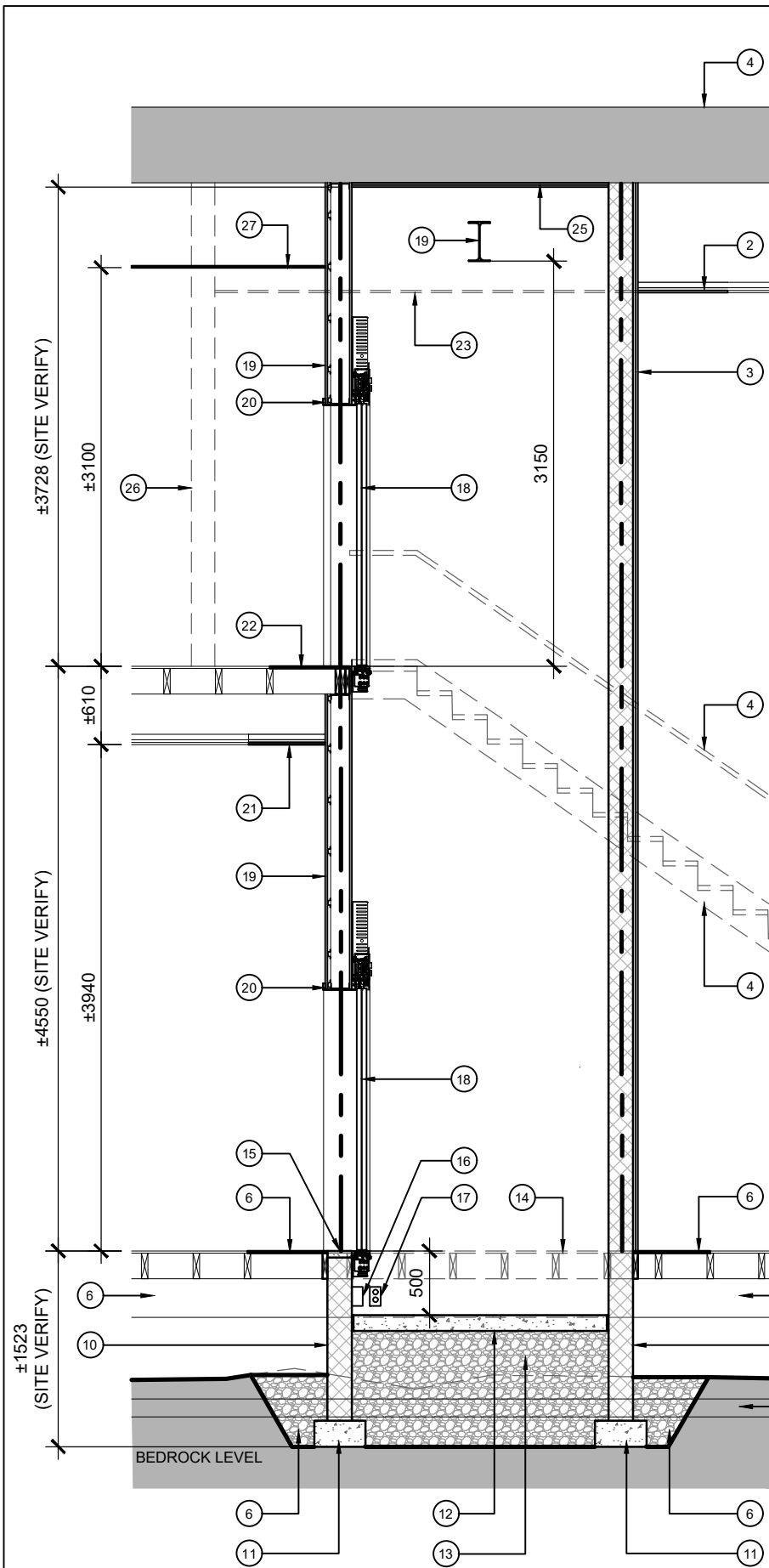
Section Notes:

GENERAL:

- SITE VERIFY ALL DIMENSIONS.
- MAKE GOOD ALL AREAS AFFECTED BY REMOVALS AND NEW WORK.
- REPAINT ENTIRE WALLS, BULKHEADS AND CEILINGS AFFECTED.
- THE LEVEL OF THE SUB-GRADE IN THE CRAWLSPACE IS APPROXIMATE. ALLOW FOR ±200mm.
- ALLOW FOR BEDROCK TO BE ±600mm FROM LEVEL SHOWN ON SECTION.

NOTES:

- EXISTING ROOF STRUCTURE WITH PLASTER CEILING.
- EXISTING GYPSUM BOARD CEILING IN STAIR, MODIFY AS REQUIRED TO INSTALL NEW LIFT AND MAKE GOOD. REMOVE SURFACE MOUNTED LIGHTING AND ASSOCIATED SWITCHES.
- NEW 16mm GYPSUM BOARD (PAINTED) ON 22mm FURRING CHANNELS ON CONCRETE BLOCK LIFT SHAFT.
- EXISTING STAIR HANDRAIL (BOTH SIDES) TO BE REMOVED.
- EXISTING STEEL STAIRS TO BE REMOVED. MAKE GOOD AFFECTED WALLS.
- OPEN EXISTING WOOD FLOOR AS REQUIRED FOR NEW LIFT. SHORE AND MODIFY EXISTING STRUCTURE AS REQUIRED. REINSTATE FLOOR LEVEL TO EXISTING ADJACENT. INSTALL NEW SHEET FLOORING AND BASE TO MATCH EXISTING.
- SHORE AND MODIFY EXISTING STEEL BEAM. NOW TO BE SUPPORTED BY NEW CONCRETE BLOCK WALLS.
- REMOVE SUB-GRADE IN CRAWL SPACE AS REQUIRED TO REACH BEDROCK FOR NEW FOOTINGS. INFILL WITH SALVAGED MATERIAL ONCE SHAFT IS COMPLETED.
- EXISTING PLUMBING. RE-ROUT AS REQUIRED TO SHIFT PLUMBING AWAY FROM NEW LIFT LOCATION.
- NEW 190mm CONCRETE BLOCK FOUNDATION WALL.
- NEW POURED CONCRETE FOOTING ON BEDROCK.
- NEW 125mm POURED CONCRETE SLAB ON GRADE.
- COMPLETED GRANULAR A IN 150mm LIFTS.
- PORTION OF EXISTING WOOD FLOOR TO BE REMOVED.
- CAP TOP OF CONCRETE BLOCK WITH 50mm CONCRETE.
- NEW LIFT PIT LIGHT.
- NEW DUPLEX RECEPTACLE.
- NEW LIFT HOIST WAY DOORS.
- LIFT FRONT WALL TO BE 16mm GYPSUM BOARD (PAINTED) ON 152mm STEEL STUDS AT 400mm O.C. WITH 22mm FURRING CHANNELS AT 400mm O.C. PROVIDE ALL REQUIRED BLOCKING.
- NEW LIFT DOOR FRAME.
- MODIFY EXISTING GYPSUM BOARD / PLASTER CEILING AS REQUIRED TO INSTALL NEW LIFT AND MODIFY THE EXISTING STRUCTURE. MAKE GOOD AND REPAINT THE ENTIRE CEILING.
- MODIFY EXISTING WOOD FLOOR AND STRUCTURE AS REQUIRED FOR NEW LIFT. MAKE GOOD AFFECTED AREAS FLUSH TO EXISTING ADJACENT. NEW SHEET FLOORING AND BASE TO MATCH EXISTING. PREPARE EXISTING WOOD SUB-FLOOR AS REQUIRED.
- PORTION OF EXISTING CEILING TO BE REMOVED.
- NEW STEEL HOIST BEAM AS REQUIRED TO SUPPORT A MIN. OF 1814 kg.
- 2 LAYERS OF 16mm TYPE X GYPSUM BOARD OVER EXISTING PLASTER FINISH (PAINTED).
- EXISTING GYPSUM BOARD AND STEEL STUD WALL TO BE REMOVED. MAKE GOOD AFFECTED AREAS.
- REMOVE EXISTING SUSPENDED ACOUSTIC TILE (SAT) CEILING AND GRID AS REQUIRED TO CARRY OUT WORK. INSTALL NEW SAT CEILING AND GRID AS REQUIRED AS COMPLETION.



2 LULA Lift Section
A5 1:50

sza

Shoalts and Zaback Architects Ltd



Certificate of Practice Number:
4 Cataragui Street, Suite 206, Kingston, ON
Tel: 613 541 0776
mail@szaarch.com

2438

K7K 1Z7

fax: 613 541 0804

www.szaarchitects.ca

This is a copyright drawing and design and shall not be used, reproduced or revised without written permission. The contractor shall check and verify all dimensions and report all errors and omissions to the architect prior to commencing with work. These drawings are not to be scaled. Any deviation in construction from the information shown on these drawings without written approval of the Architect is solely the responsibility of the Constructor.



0	Issued for Permit and Tender	2023-04-18
C	Issued for 90% Review	2023-03-15
B	Issued for 60% Review	2023-02-24
A	Issued for 30% Review	2023-01-18

Project
Renovations to Linklater Public School

Location

300 Stone St. North
Gananoque, Ontario

Client
Upper Canada District School Board

Drawing
**Roof Plan
Lift Section**

Drawn by JR	Date Jan 2023
File Name 22113-Linklater-Arch	Scale 1:125
Client Project #	Drawing Number

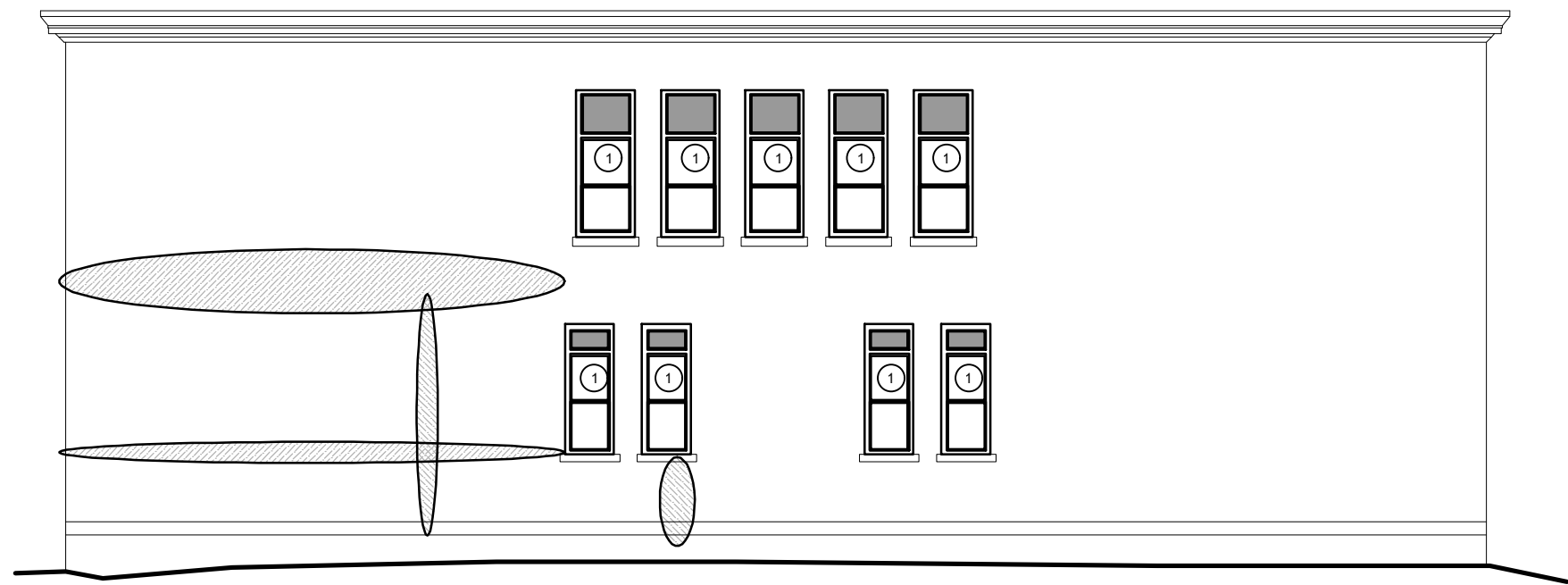
Project #
22113

Revision #
0

A5



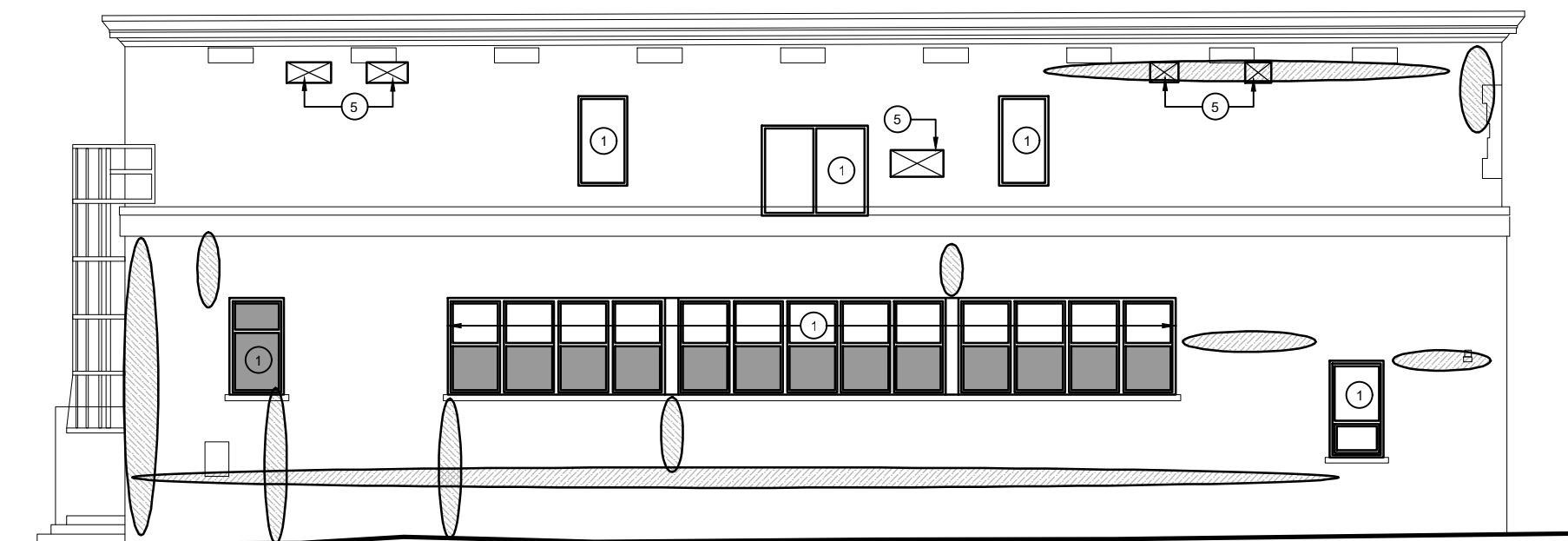
1
Two-Story Building
East Elevation
A6 1:125



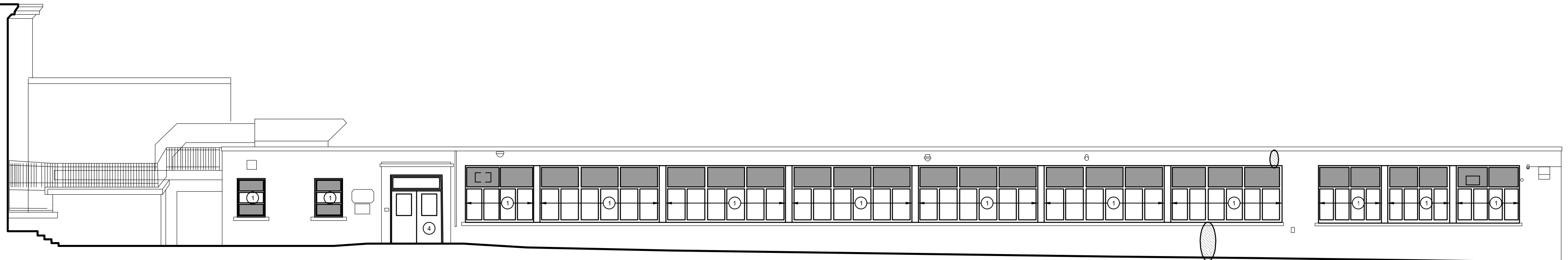
2
Two-Story Building
North Elevation
A6 1:125



3
Two-Story Building
West Elevation
A6 1:125



4
Two-Story Building
South Elevation
A6 1:125



5
One-Story Building
North Elevation
A6 1:125



6
One-Story Building
West Elevation
A6 1:125

FIX STUCCO DAMAGE

Elevation Notes:

GENERAL:

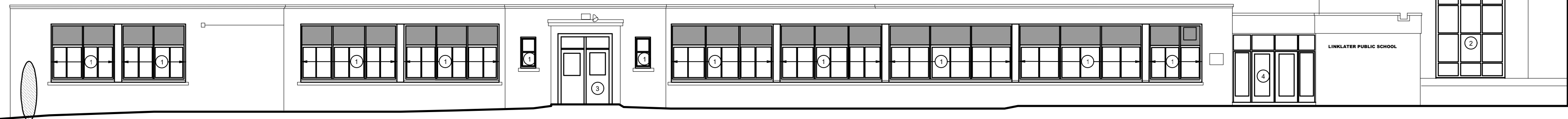
- SITE VERIFY ALL EXISTING OPENINGS.
- ALL GLAZING IS GL-1 UNLESS OTHERWISE NOTED.
- SITE VERIFY ALL OPENINGS
- REFER TO HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT. WINDOW CALKING IS ASBESTOS CONTAINING.

ANODIZED ALUMINUM SPANDREL PANEL (GL-2)

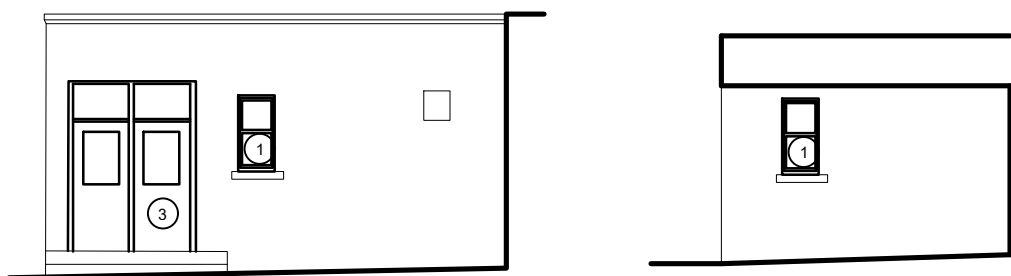
APPROXIMATE AREA OF EXISTING DAMAGED STUCCO TO BE REPAIRED TO MATCH EXISTING. SITE VERIFY FOR FULL EXTENT.

NOTES:

- EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM WINDOW TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS.
- EXISTING WINDOW TO BE REMOVED. INSTALL NEW ALUMINUM CURTAIN WALL TO MATCH EXISTING CONFIGURATION. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF WINDOW HEAD, SILL AND JAMBS.
- REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW HOLLOW METAL FRAME (PAINTED), HOLLOW METAL DOOR (PAINTED) TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
- REMOVE EXISTING DOOR, HARDWARE, FRAME AND GLAZING. INSTALL NEW THERMALLY BROKEN ANODIZED ALUMINUM DOOR AND FRAME TO MATCH EXISTING LAYOUT. INSTALL NEW DOOR HARDWARE. FILL ALL VOIDS WITH SPRAY FOAM INSULATION. CONTINUOUS SEALANT BOTH SIDES OF FRAME HEAD, AND JAMBS.
- MODIFY EXISTING EXTERIOR WALL AS REQUIRED TO SUIT NEW DUCTWORK AND DUCT PENETRATION.



7
One-Story Building
South Elevation
A6 1:125



8
One-Story Building
East Elevation
A6 1:125

9
One-Story Building
East Elevation
A6 1:125

0	Issued for Permit and Tender	2023-04-18
C	Issued for 90% Review	2023-03-15
B	Issued for 60% Review	2023-02-24
A	Issued for 30% Review	2023-01-18
Revision	Description	Date

Project
**Renovations to Linklater
Public School**

Location
**300 Stone St. North
Gananoque, Ontario**

Client
Upper Canada District School Board

Drawing
Elevations

Drawn by
JR

Date
Jan 2023

File Name
22113-Linklater-Arch

Scale
1:125

Client Project #

Drawing Number

Project #
22113

Revision #
0

A6

<div>1 - GENERAL CONDITIONS</div> <div>CONTENTS</div> <div> <div>1. Allowances</div> <div>2. COVID-19 Protocols</div> <div>3. Submittal Procedures</div> <div>4. Health and Safety</div> <div>5. Environmental Procedures</div> <div>6. Regulatory Requirements</div> <div>7. Quality Control</div> <div>8. Construction Schedule</div> <div>9. Temporary Utilities</div> <div>10. Construction Facilities</div> <div>11. Temporary Barriers</div> <div>12. Common Product Requirements</div> <div>13. Execution</div> <div>14. Waste Management and Disposal</div> <div>15. Closeout Submittals</div> </div> <div>1.1 ALLOWANCES</div> <div> <div>1. GENERAL REQUIREMENTS</div> <div>2. Cash allowances, unless otherwise specified, cover net cost to Contractor of services, products, construction machinery and equipment, freight, handling, unloading, storage, installation and other authorized expenses incurred in performing Work.</div> <div>3. Contract Price, and not cash allowance, includes Contractor's overhead and profit in connection with such cash allowance.</div> <div>4. Contract Price will be adjusted by written order to provide for excess or deficit to each cash allowance.</div> <div>5. Where costs under a cash allowance exceed amount of allowance, Contractor will not be deemed to have incurred and substantiated plus allowance for overhead and profit as set out in Contract Documents.</div> <div>6. Include progress payments on accounts of work authorized under cash allowances in Consultant's monthly certificate for payment.</div> <div>7. Prepare schedule jointly with Consultant and Contractor to show when items called for under cash allowances must be authorized by Consultant for ordering purposes so that progress of Work will not be delayed.</div> <div>8. Amount of each allowance, for Work specified in respective specification Sections is as follows: <div>1. Supply and install of new exterior sign, \$60,000.00 <div>1. Sign</div> <div>2. Sign base</div> <div>3. Excavation and backfill</div> <div>4. Grading and</div> <div>5. Relocation of the existing sign</div> </div> </div> </div> <div>1.2 COVID-19 PROTOCOLS</div> <div> <div>1. COVID-19 PROTOCOLS</div> <div>1. Strictly follow all requirements and recommendations of the Canadian Construction Association COVID-19 – Standardized Protocols for All Canadian Construction Sites (Version 6, October 14, 2020) as well as all requirements of Authorities having jurisdiction.</div> <div>2. Strictly follow all requirements and recommendations of the Upper Canada District School Board and Linklater Public School COVID-19 protocols.</div> </div> <div>1.3 SUBMITTAL PROCEDURES</div> <div> <div>1. ADMINISTRATIVE</div> <div>1. Submit to Consultant submittals listed for review. Submit promptly and in orderly sequence so as to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.</div> <div>2. Copy Owners Project Manager on all correspondence. Do not proceed with Work affected by submittal until review is complete.</div> <div>3. Verify field measurements and affected adjacent Work to ensure co-ordination.</div> <div>4. Contractor's responsibility for errors and omissions in submission is not relieved by Consultant's review of submittals.</div> <div>5. Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by Consultant review.</div> <div>6. Keep one reviewed copy of each submission on site.</div> <div>7. Consultant's review only covers general conformance of the shop drawings with the intent of the design and in no way removes responsibility of the shop drawing design from the Professional Engineer who stamped the shop drawings.</div> <div>8. Carry out all service locates prior to the start of work.</div> </div> <div>2. SHOP DRAWINGS AND PRODUCT DATA</div> <div> <div>1. Where required submit drawings stamped and signed by professional engineer registered or licensed in Province of Ontario.</div> <div>2. Indicate materials, methods of construction and attachment or anchorage, erection diagrams, connections, explanatory notes and other information necessary for completion of Work. Where articles or equipment attach or connect to other articles or equipment, indicate that such items have been coordinated, regardless of Section under which adjacent items will be supplied and installed. Indicate cross references to design drawings and specifications.</div> <div>3. Adjustments made on shop drawings by Consultant are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to Consultant prior to proceeding with Work.</div> <div>4. Submit electronic copy, in PDF format, of shop drawings for each requirement requested in specification Sections and as Consultant may reasonably request.</div> </div> <div>3. SAMPLES</div> <div> <div>1. Submit for review samples in duplicate as requested in respective specification Sections. Label samples with origin and intended use.</div> </div> <div>1.4 HEALTH AND SAFETY</div> <div> <div>1. RELATED REQUIREMENTS</div> <div>1. Designated Substance Review and Hazardous Building Materials Assessment</div> </div> <div>2. ACTION AND INFORMATIONAL SUBMITTALS</div> <div> <div>1. Submit site-specific Health and Safety Plan Within 10 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include: <div>1. Results of site specific safety hazard assessment.</div> <div>2. Results of safety and health risk or hazard analysis for site tasks and operation.</div> </div> </div> <div>3. FILING OF NOTICE</div> <div> <div>1. File Notice of Project with Provincial authorities prior to beginning of Work. Provide digital copy to Owner.</div> </div> <div>4. COMPLIANCE REQUIREMENTS</div> <div> <div>1. Comply with Ontario Health and Safety Act, R.S.O.</div> <div>2. Work during school hours to be conducted within fenced areas. Provide spotter for all moving equipment within fenced area during school hours. Provide 2 spotters for all moving equipment outside of fenced areas.</div> </div> <div>5. HOT WORKS</div> <div> <div>1. A hot works permit is required to be submitted to the UDCSB Project Manager prior to starting of any hot works.</div> </div>	<div>2. Obtain UDCSB Hot Works Permit from UDCSB Project Manager.</div> <div>3. Hot Works: Any activity that could produce flames, sparks, slag, or other hot fragments that act as an ignition source to flammable materials in the area. Hot Works also includes any activity that could generate sufficient smoke or heat to activate a fire alarm detection system. It includes, but is not limited to: welding, flame cutting, touch soldering, pipe thawing, and grinding.</div> <div>1.5 ENVIRONMENTAL PROCEDURES</div> <div> <div>1. GENERAL REQUIREMENTS</div> <div>1. Prior to commencing construction activities or delivery of materials to site, provide Environmental Protection Plan for review and approval by Consultant.</div> <div>2. Ensure Environmental Protection Plan includes comprehensive overview of known or potential environmental issues to be addressed during construction.</div> </div> <div>2. FIRES</div> <div> <div>1. Fires and burning of rubbish on site is not permitted.</div> </div> <div>3. SITE CLEARING AND PLANT PROTECTION</div> <div> <div>1. Protect trees and plants on site and adjacent properties as indicated.</div> <div>2. Wrap in tarp, trees and shrubs adjacent to construction work, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of 2 m minimum.</div> <div>3. Protect roots of designated trees to drip-line during excavation and site grading to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over root zones.</div> <div>4. Minimize stripping of topsoil and vegetation.</div> <div>5. Restrict tree removal to areas indicated or designated by Consultant.</div> </div> <div>4. POLLUTION CONTROL</div> <div> <div>1. Maintain temporary erosion and pollution control features installed under this Contract.</div> <div>2. Control emissions from equipment and plant to local authorities' emission requirements.</div> <div>3. Prevent sandblasting and other extraneous materials from contaminating air and waterways beyond application area.</div> <div>4. Provide temporary enclosures as required.</div> <div>5. Cover or wet down dirt materials and rubbish to prevent blowing dust and debris.</div> </div> <div>1.6 REGULATORY REQUIREMENTS</div> <div> <div>1. PERMITS</div> <div>1. The Owner shall apply and pay for the building permit.</div> </div> <div>2. REFERENCES, CODES AND REGULATIONS</div> <div> <div>1. Perform Work in accordance with the Ontario Building Code (OBC) including amendments up to tender closing date and other codes of provincial or local application, provided that in case of conflict or discrepancy, more stringent requirements apply.</div> <div>2. Obey all Federal, Provincial and Municipal Laws, Acts, Ordinances, Regulations, Orders-in-Council and Bylaws, which could in any way pertain to the work outlined in the Contract. Satisfy all statutory requirements imposed by the Occupational Health and Safety Act and Regulations made there under, on a Contractor, a Constructor and/or Employer with respect to or arising out of the performance of the Contractor's obligations under this contract.</div> </div> <div>3. HAZARDOUS MATERIAL DISCOVERY</div> <div> <div>1. Asbestos: demolition of spray or trowel-applied asbestos is hazardous to health. Stop work immediately when material resembling spray or trowel-applied asbestos is encountered during demolition work. Notify Consultant.</div> <div>2. PCB Polychlorinated Biphenyl: stop work immediately when material resembling Polychlorinated Biphenyl is encountered during demolition work. Notify Consultant.</div> <div>3. Mould: stop work immediately when material resembling mould is encountered during demolition work. Notify Consultant.</div> </div> <div>4. BUILDING SMOKING ENVIRONMENT</div> <div> <div>1. Smoking is not permitted on school property as per the Smoke Free Ontario Act.</div> </div> <div>1.7 QUALITY CONTROL</div> <div> <div>1. INDEPENDENT INSPECTION AGENCIES</div> <div>1. Independent Inspection/Testing Agencies will be engaged by the Owner for purpose of inspecting and/or testing portions of Work for compaction, concrete and roofing.</div> <div>2. If defects are revealed during inspection and/or testing, appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by Consultant at no increase in cost to Contract. Pay costs for retesting and re-inspection.</div> </div> <div>2. ACCESS TO WORK</div> <div> <div>1. Allow inspection/testing agencies access to Work, off site manufacturing and fabrication plants. Co-operate to provide reasonable facilities for such access.</div> </div> <div>3. PROCEDURES</div> <div> <div>1. Notify appropriate agency and Consultant in advance of requirements for tests, in order that attendance arrangements can be made.</div> <div>2. Submit samples and/or materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in orderly sequence to not cause delays in Work.</div> </div> <div>4. MOCK-UPS</div> <div> <div>1. Prepare mock-ups for Work specifically requested in specifications. Include for Work of Sections required to provide mock-ups.</div> <div>2. Construct in locations acceptable to Consultant.</div> </div> <div>5. EQUIPMENT AND SYSTEMS</div> <div> <div>1. Submit adjustment and balancing reports for mechanical, electrical and building equipment systems.</div> </div> <div>6. SITE VERIFY</div> <div> <div>1. Site verify all existing conditions prior to fabrication. If the required adjacent works are not in place to site verify, coordinate with Contractor other Sub-trades as required to set guaranteed / required dimensions prior to fabrication.</div> <div>2. No increase to the Contract price or schedule extension will be granted due to failure to comply with the above requirements.</div> </div> <div>1.8 CONSTRUCTION SCHEDULE</div> <div> <div>1. REQUIREMENTS</div> <div>1. Ensure that it is understood that Award of Contract or time of beginning, rate of progress, Interim Certificate and Final Certificate as defined times of completion are of essence of this contract.</div> <div>2. In planning of Construction Schedule allow for reasonable changes to the Work as issued in the form of Change Orders, Change Directives and Supplemental Instructions.</div> <div>3. On ongoing basis, Construction Schedule on job site must show "Progress to Date". Arrange participation on and off site of subcontractors and suppliers, as and when necessary, for purpose of network planning, scheduling, updating and progress monitoring. Inspect Work with Consultant at least once monthly to establish progress on each current activity shown on applicable networks.</div> <div>4. Update and reissue project Work Breakdown Structure and relevant coding structures as project develops and changes. <div>1. Update bi-weekly and present at site meetings.</div> </div> </div>	<div>5. Perform Construction Schedule update monthly with status dated (Data Date) on last working day of month. Update to reflect activities completed to date, activities in progress, logic and duration changes.</div> <div>6. Do not automatically update actual start and finish dates by using default mechanisms found in project management software.</div> <div>7. Submit to Consultant copies of updated Construction Schedule.</div> <div>8. Requirements for monthly progress monitoring and reporting are basis for progress payment request, which may be considered incomplete if not received as required.</div> <div>9. Submit at each site meeting a two week look ahead schedule based on the Construction Schedule showing work to be completed in the two weeks following the meeting. Include all milestone dates and critical action items requiring responses within that time period.</div> <div>2. ADDITIONAL REQUIREMENTS</div> <div> <div>1. Start date: June 29, 2023</div> <div>2. Finish date: August 23, 2024</div> <div>3. Roofing / Doors / Windows / Interior duct work can only be completed during summer shut down months</div> <div>4. Solar panels / RTU's can be done during school year, coordinate with owners PM</div> <div>5. LULU 1/10 major work during summer hours, finishing work can be done into school year if needed, coordinate with owner</div> <div>6. Demo and new RTU curbs to be coordinated with re-roof sections G and F</div> </div> <div>3. STORAGE, HANDLING AND PROTECTION</div> <div> <div>1. Handle and store products in manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions when applicable.</div> <div>2. Store packaged or banded products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove from packaging or bundling until required in Work.</div> <div>3. Store products subject to damage from weather in weatherproof enclosures.</div> <div>4. Store and mix paints in heated and ventilated room. Remove oily slams and other combustible debris from site daily. Take every precaution necessary to prevent spontaneous combustion.</div> <div>5. Remove and replace damaged products at own expense and to satisfaction of Consultant.</div> <div>6. Touch-up damaged factory finished surfaces to match Consultant's satisfaction. Use touch-up materials to match original. Do not paint over name plates.</div> </div> <div>3. MANUFACTURER'S INSTRUCTIONS</div> <div> <div>1. Install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.</div> <div>2. Improper installation or erection of products, due to failure in complying with these requirements, authorizes Consultant to require the removal replacement and re-installation of products, at no increase in Contract Price or Contract Time.</div> </div> <div>4. QUALITY OF WORK</div> <div> <div>1. Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Consultant if required Work is such as to make it impractical to produce required results.</div> <div>2. Information as to standard or fitness of Quality of Work in cases of dispute rest solely with Consultant, whose decision is final.</div> </div> <div>3. CONCEALMENT</div> <div> <div>1. In finished areas conceal pipes, ducts and wiring in floors, walls and ceilings, except where indicated otherwise. Notify consultants in writing where concealment is not possible to obtain alternate solution. All exposed conduits and piping must be painted to match surrounding surfaces. Before installation inform Consultant of any interferences. Install as directed by Consultant.</div> </div> <div>6. FASTENINGS</div> <div> <div>1. Provide metal fastenings and accessories in same texture, colour and finish as adjacent materials, unless indicated otherwise.</div> <div>2. Prevent electrolytic action between dissimilar metals and materials.</div> <div>3. Use non-corrosive hot dip galvanized steel fasteners and anchors for securing exterior work, unless stainless steel or other material is specifically requested in affected specification Section.</div> <div>4. Space anchors within individual load limit or shear capacity and ensure they provide positive permanent anchorage. Details on or original Contract Drawings, are not acceptable.</div> <div>5. Keep exposed fastenings to a minimum, space evenly and install neatly.</div> </div> <div>6. Fastenings which cause spalling or cracking of material to which anchorage is made are not acceptable.</div> <div>3. MAINTENANCE MATERIALS</div> <div> <div>1. Spare Parts and special tools: Provide spare parts, in quantities specified in individual specification sections and deliver to location as directed; place and store.</div> <div>2. Extra Stock Materials: Provide maintenance and extra materials, in quantities specified in individual specification sections. Deliver to location as directed; place and store.</div> <div>3. Provide to Owner at completion: <div>1. One full gallon of each paint used</div> <div>2. One full box of ceiling tiles.</div> </div> </div> <div>2 - EXISTING CONDITIONS</div> <div> <div>CONTENTS</div> <div>1. Hazardous Materials</div> </div> <div>2.1 HAZARDOUS MATERIALS</div> <div> <div>1. GENERAL REQUIREMENTS</div> <div>1. Designated Substance Review and Hazardous Building Materials Assessment <div>1. Will be provided with Tender documents.</div> </div> </div> <div>2. ACTION AND INFORMATIONAL SUBMITTALS</div> <div> <div>1. Submit manufacturer's instructions, printed product literature and data sheets for hazardous materials and include product characteristics, performance criteria, physical size, finish and limitations.</div> <div>2. Submit copies of WHMIS MSDS to Consultant for each hazardous material required prior to bringing hazardous material on site.</div> </div> <div>3. DELIVERY, STORAGE AND HANDLING</div> <div> <div>1. Store and handle hazardous materials and wastes in accordance with applicable federal and provincial laws, regulations, codes, and guidelines.</div> <div>2. Store and handle flammable and combustible materials in accordance with Ontario Fire Code of Canada requirements.</div> <div>3. Keep no more than 45 litres of flammable and combustible liquids such as gasoline, kerosene and naphtha for ready use.</div> <div>4. Store flammable and combustible liquids in approved safety cans bearing the Underwriters' Laboratory of Canada or Factory Mutual seal of approval.</div> <div>5. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes requires the written approval of the Consultant.</div> <div>6. Transfer of flammable and combustible liquids is prohibited within buildings.</div> <div>7. Transfer flammable and combustible liquids away from open flames or heat-producing devices.</div> <div>8. Solvents or cleaning agents used on non-flammable or noxious substances. Use of building ventilation systems is not permitted for this purpose.</div> <div>9. Use only cleaning materials recommended by manufacturer for surfaces to be cleaned, and as recommended by cleaning material manufacturer.</div> </div> <div>3. CLEANING</div> <div> <div>1. Mainly Work in tidy condition, free from accumulation of waste products and debris.</div> <div>2. Clear snow and ice from access to building, bank/pile snow in designated areas only or remove from site.</div> <div>3. Transfer of flammable and combustible liquids is prohibited within buildings.</div> <div>4. Fire ROUTES</div> <div>1. Maintain access to designated overhead clearances for use by emergency response vehicles.</div> </div> <div>7. PROTECTION FOR OFF-SITE AND PUBLIC PROPERTY</div> <div> <div>1. Protect surrounding private and public property from damage during performance of Work.</div> <div>2. Be responsible for damage incurred.</div> </div>	<div>7. Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted building finishes and equipment during performance of Work.</div> <div>2. Provide necessary screens, covers, and hoardings.</div> <div>4. FINAL CLEANING</div> <div> <div>1. Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, and mechanical and electrical fixtures. Replace broken, scratched or discoloured glass.</div> <div>2. Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures, furniture fittings, walls, and floors.</div> <div>3. Clean lighting reflectors, lenses, and other lighting surfaces.</div> <div>4. Vacuum clean and dust building interiors, including behind grilles, louvers and screens.</div> <div>5. Clean floors, finish coats by Owner.</div> <div>6. Inspect finishes, fittings and equipment and ensure specified workmanship and operation.</div> <div>7. Broom clean and wash exterior walls, steps and surfaces; rake clean other surfaces of grounds.</div> <div>8. Remove dirt and other disfiguration from exterior surfaces and wash clean.</div> <div>9. Clean and sweep roofs, gutters, areaways, and sunken wells.</div> <div>10. Sweep and magnetic brushing of all paved and concrete areas. Wash clean paved areas.</div> <div>11. Clean equipment and fixtures to sanitary condition; clean or replace fixtures of mechanical equipment.</div> <div>12. Clean roofs, downspouts, and drainage systems.</div> <div>13. Remove debris and surplus materials from crawl spaces and other accessible concealed spaces.</div> <div>14. Remove snow and ice from access to building.</div> </div> <div>4. CLEANING</div> <div> <div>1. Dispose of hazardous waste materials in accordance with applicable federal and provincial acts, regulations, and guidelines.</div> <div>2. Recycle hazardous wastes for which there is approved, cost effective recycling process available.</div> <div>3. Send hazardous wastes to authorized hazardous waste disposal or treatment facilities.</div> <div>4. Burning, diluting, or mixing hazardous wastes for purpose of disposal is prohibited.</div> <div>5. Dispose of hazardous materials in waterways, storm or sanitary sewers, or in municipal solid waste landfills is prohibited.</div> <div>6. Dispose of hazardous wastes in timely fashion in accordance with applicable provincial regulations.</div> </div> <div>3 - CONCRETE</div> <div> <div>1. Section Not Used</div> </div> <div>4 - MASONRY</div> <div> <div>1. Section not used</div> </div> <div>5 - METALS</div> <div> <div>CONTENTS</div> <div>1. Metal Fabrications</div> <div>2. Refer to structural drawings for additional information.</div> </div> <div>5.1 METAL FABRICATIONS</div> <div> <div>1. ACTION AND INFORMATIONAL SUBMITTALS</div> <div>1. Submit manufacturer's instructions, printed product literature and data sheets for fabrications, performance criteria, physical size, finish and limitations.</div> <div>2. Submit drawings stamped and signed by professional engineer registered or licensed in Province of Ontario.</div> <div>3. Canada.</div> <div>3. Indicate materials, core thicknesses, finishes, connections, joints, method of anchorage, number of anchors, supports, reinforcement, details, and accessories.</div> </div> <div>2. MATERIALS</div> <div> <div>1. Steel sections and plates: to CSA G40.20/G40.21, Grade 300W.</div> <div>2. Steel pipe: to ASTM A 53/A 53M standard weight, black or galvanized finish as indicated on drawings.</div> <div>3. Welding materials: to CSA W59.</div> <div>4. Welding electrodes: to CSA W48 Series.</div> <div>5. Bolts and anchor bolts: to ASTM A 307.</div> <div>6. Aluminium sheet: 3 mm minimum thickness, clear anodized.</div> <div>7. Stainless steel tubing: to ASTM A 269, Type 316, seamless welded with AISI No. 4 finish.</div> <div>8. GROUT: non-shrink, non-metallic, flowable, 15 MPa at 24 hours.</div> </div> <div>3. FABRICATION</div> <div> <div>1. Fabricate work square, true, straight and accurate to required size, with joints closely fitted and properly secured.</div> <div>2. Use self-tapping shake-proof flat headed screws on items requiring assembly by screws or as indicated.</div> <div>3. Where possible, fit and shop assemble work, ready for erection. Site verify all dimensions prior to fabrication.</div> <div>4. Ensure exposed welds are continuous for length of each joint. File or grind exposed welds smooth and flush.</div> <div>5. Mill all edges after cutting as directed; place and store.</div> <div>6. Undercut each piece at all welds to minimize size of exposed weld. Where possible weld back side only.</div> <div>7. Use plug weld ground smooth where possible. Use tig welds at exposed welds.</div> <div>8. Hot dip galvanize after fabrication.</div> <div>9. Site verify all dimension prior to fabrication.</div> </div> <div>4. FINISHES</div> <div> <div>1. Galvanizing: hot dipped galvanizing with zinc coating to CAN/CSA-G164.</div> <div>2. Shop coat primer (interior priming): MPI-INT 5.1A</div> <div>3. Zinc primer (exterior priming): zinc rich, ready mix to MPI-EXT 5.2C</div> </div> <div>5. ISOLATION COATING</div> <div> <div>1. Isolate aluminum from following components, by means of bituminous paint: <div>1. Dissimilar metals except stainless steel, zinc, or white bronze of small area.</div> <div>2. Concrete, mortar and masonry.</div> <div>3. Wood.</div> </div> </div> <div>6. SHOP PAINTING</div> <div> <div>1. Apply one shop coat of primer to metal surfaces, with exception of galvanized or concrete encased items.</div> <div>2. Use primer undiluted, as prepared by manufacturer. Paint on dry surfaces, free from rust, scale, grease. Do not paint when temperature is lower than 7 degrees C.</div> <div>3. Clean surfaces to be field welded; do not paint.</div> <div>4. Do not prime metal fields that are to receive spray fireproofing.</div> </div> <div>7. SCHEDULE</div> <div> <div>1. The schedule below lists specific requirements for some items. Review all drawings to determine full scope of work.</div> <div>2. Angle lintels and support angles: <div>1. Hot dip galvanized for exterior use and prime painted for interior use, sizes as indicated for openings.</div> </div> <div>3. Exterior use: items that form part of an exterior wall or are secured to the exterior face of the exterior wall.</div> <div>4. Interior use: all other items not included in exterior use above.</div> </div> <div>8. ERECTION</div> <div> <div>1. Do welding work in accordance with CSA W59 unless specified otherwise.</div> <div>2. Upper Canada District School Board hot works permit required for all on site welding.</div> <div>3. Erect metalwork square, plumb, straight, and true, accurately fitted, with tight joints and intersections.</div> </div>	<div>3. Provide suitable means of anchorage acceptable to Consultant such as dowels, anchor clips, bar anchors, expansion bolts and shields, and toggles.</div> <div>4. Exposed fastening devices to match finish and be compatible with material through which they pass.</div> <div>5. Supply components for work by other trades in accordance with shop drawings and schedule.</div> <div>6. Make field connections with bolts to CSA S16 or Weld field connections as directed by Consultant.</div> <div>7. Deliver items over for casting into concrete and building into masonry together with setting templates to appropriate location and construction permission.</div> <div>8. Touch-up rivets, field welds, bolts and burnt or scratched surfaces with primer.</div> <div>9. Touch-up galvanized surfaces with zinc rich primer where burned by field welding.</div> <div>6 - WOOD</div> <div> <div>CONTENTS</div> <div>1. Rough Carpentry</div> </div> <div>6.1 ROUGH CARPENTRY</div> <div> <div>1. FRAMING AND STRUCTURAL MATERIALS</div> <div>1. Lumber: unless specified otherwise, softwood, S4S, moisture content 19% (8-dry) or less in accordance with following standards: <div>1. CSA O141.</div> <div>2. NLGA Standard Grading Rules for Canadian Lumber.</div> </div> <div>2. Structural Composite Lumber (SCL) in accordance with ASTM D 5456.</div> <div>3. Framing and board lumber: in accordance with OBC.</div> <div>4. Furring, blocking, falcating, curbs, fascia backing and sleepers: <div>1. S2S is acceptable.</div> <div>2. Board sizes: "Standard" or better grade.</div> <div>3. Dimension sizes: "Standard" light framing or better.</div> <div>4. Post and timbers sizes: "Standard" or better grade.</div> <div>5. All exterior wood is to be pressure treated.</div> </div> </div> <div>2. PANEL MATERIALS</div> <div> <div>1. Plywood, OSB and wood based composite panels: to CAN/CSA-O325.0.</div> <div>2. No Added Urea Formaldehyde (NAUF) Adhesives or Resins.</div> <div>3. Douglas fir plywood (DFP): to CSA O121, standard construction.</div> <div>4. No Added Urea Formaldehyde (NAUF) Adhesives or Resins.</div> <div>5. Canadian softwood plywood (CSP): to CSA O151, standard construction.</div> <div>6. No Added Urea Formaldehyde (NAUF) Adhesives or Resins.</div> <div>7. Poplar plywood (PP): to CSA O153, standard construction.</div> <div>8. No Added Urea Formaldehyde (NAUF) Adhesives or Resins.</div> <div>9. Interior mat-formed wood particleboard: to ANSI 208.1.</div> <div>10. No Added Urea Formaldehyde (NAUF) Adhesives or Resins.</div> <div>11. All materials for exterior use are to be pressure treated.</div> </div> <div>3. ACCESSORIES</div> <div> <div>1. Air seal: closed cell polyurethane or polyethylene.</div> <div>2. General purpose adhesive: to CSA O112 Series.</div> <div>3. Nails, spikes and staples: to CSA B111.</div> <div>4. Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.</div> <div>5. Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre-plugs, recommended for purpose by manufacturer.</div> <div>6. Nailing disks: flat caps, minimum 25 mm diameter, minimum 0.4 mm thick, sheet metal, formed to prevent sliding. Bell or cup shapes not acceptable.</div> </div> <div>4. FASTENER FINISHES</div> <div> <div>1. Galvanizing: to CAN/CSA-G164, use galvanized fasteners for exterior work, interior highly humid areas, pressure-preservative, fire-retardant, and treated lumber.</div> <div>2. Stainless steel: use stainless steel type 304 alloy where indicated.</div> </div> <div>5. INSTALLATION</div> <div> <div>1. Comply with requirements of OBC 2012.</div> <div>2. Install members true to line, levels and elevations, square and plumb.</div> <div>3. Construct continuous members from pieces of longest practical length.</div> <div>4. Install spanning members with "crown-edge" up.</div> <div>5. Select exposed framing for appearance. Install lumber and panel materials so that grade-marks and other defacing marks are concealed or are removed by sanding where materials are left exposed.</div> <div>6. Install wall sheathing in accordance with manufacturer's printed instructions.</div> <div>7. Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling panels, facings, fascia, soffit, siding, electrical equipment mounting boards, and other work as required.</div> <div>8. Install rough blocks, nailers and linings to rough openings as required to provide backing for frames and other work.</div> <div>9. Install fascia backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners.</div> <div>10. Install sleepers as indicated.</div> <div>11. Use dust collectors and high quality respirator masks when cutting or sanding wood panels.</div> </div> <div>6. ERECTION</div> <div> <div>1. Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.</div> <div>2. Counter-sink bolts where necessary to provide clearance for other work.</div> <div>3. Use nailing disks for soft sheathing as recommended by sheathing manufacturer.</div> </div> <div>7. SCHEDULES</div> <div> <div>1. Framing and sheathing as indicated.</div> </div> <div>7 - THERMAL AND MOISTURE PROTECTION</div> <div> <div>CONTENTS</div> <div>1. Blanket Insulation</div> <div>2. Fire Stopping</div> <div>3. Joint Sealants</div> </div> <div>7.1 BLANKET INSULATION</div> <div> <div>1. PRODUCT</div> <div>1. Batt and blanket mineral fibre (Interior sound batts): to CAN/ULC S702.</div> <div>2. Roxel AFB, Owens Corning Thermafiber SAFB or approved equal.</div> <div>3. Thickness: as indicated.</div> <div>2. Batt and blanket mineral fibre (General insulation batts): to CAN/ULC S702.</div> <div>3. Roxel Comfortbatt, Owens Corning, Thermafiber or approved equal.</div> <div>4. Thickness: as indicated.</div> </div> <div>2. MANUFACTURER'S INSTRUCTIONS</div> <div> <div>1. Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue</div> </div>	<div>Installation instructions, product carton installation instructions, and data sheets.</div> <div>7.2 FIRE STOPPING</div> <div> <div>1. ACTION AND INFORMATIONAL SUBMITTALS</div> <div>1. Product Data: Submit manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.</div> <div>2. Keep copies of all of the above information on site in a binder marked "Fire Stopping". Take and keep on record, photos of all fire stopping installed. Mark locations of all installed fire stopping on plans and references to photos.</div> <div>3. Fire stop location plans are to be included in the fire stopping binder.</div> </div> <div>2. MATERIALS</div> <div> <div>1. Fire stopping and smoke seal systems: in accordance with CAN/ULC-S115.</div> <div>2. Asbestos-free materials and systems capable of maintaining effective barrier against flame, smoke and gases in compliance with requirements of CAN/ULC-S115 and not to exceed opening sizes for which they are intended.</div> <div>3. Service penetration assemblies: systems tested to CAN/ULC-S115.</div> <div>4. Service penetration fire stop components: certified by test laboratory to CAN/ULC-S115.</div> <div>5. Fire-resistance rating of installed fire stopping assembly in accordance with OBC.</div> <div>6. Fire stopping and smoke seals at openings intended for ease of re-entry such as cables: elastomeric seal.</div> <div>7. Fire stopping and smoke seals at openings around penetrations for pipes, ductwork and other mechanical items requiring sound and vibration control: elastomeric seal.</div> <div>8. Primers: to manufacturer's recommendation for specific material, substrate, and end use.</div> <div>9. Water (if applicable): potable, clean and free from injurious amounts of deleterious substances.</div> <div>10. Damping and backup materials, supports and anchoring devices: to manufacturer's recommendations, and in accordance with tested assembly being installed as acceptable to authorities having jurisdiction.</div> </div> <div>3. INSTALLATION</div> <div> <div>1. Compliance: comply with manufacturer's written recommendations and specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.</div> </div> <div>4. SCHEDULE</div> <div> <div>1. Fire stop and smoke seal all new penetrations through existing fire separations</div> </div> <div>7.3 JOINT SEALANTS</div> <div> <div>1. ENVIRONMENTAL REQUIREMENTS</div> <div>1. Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of Material Safety Data Sheets (MSDS) acceptable to Labour Canada.</div> <div>2. Conform to manufacturer's recommended temperatures, relative humidity, and substrate moisture content for application and curing of sealants including special conditions governing use.</div> </div> <div>2. SEALANT MATERIALS</div> <div> <div>1. Do not use caulking that emits strong odours, contains toxic chemicals or is not certified as mould resistant in air handling units.</div> <div>2. Sealant low toxicity caulks are not possible, confine usage to areas which offgas to exterior, are contained behind air barriers, or are applied several months before occupancy to maximize offgassing to be selected by the Consultant from the range of manufacturer's standard colors.</div> <div>3. Colors of sealant to be specified by the Consultant from the range of manufacturer's standard colors.</div> <div>4. Primers are to be type recommended by sealant manufacturer.</div> <div>5. Joint backing material shall be: <div>1. Vertical surfaces (excluding EIFS) - Sof-Rod extruded polyolefin foam by Tremco Ltd. or ITP Soft Type Backer Rod by Industrial Thermal Polymers Ltd.</div> <div>2. Horizontal surfaces and EIFS surfaces - Standard Backer Rod a closed cell polyethylene foam by Tremco Ltd. or ITP Soft Type Backer Rod by Industrial Thermal Polymers Ltd.</div> </div> <div>6. Bond breaker, where joint configuration does not allow for proper depth/width ratio - a pressure sensitive plastic tape, which will not bond to the sealant such as 3M #226 or #481 or Valley Industries #40 shall be placed at the back of the joint.</div> <div>7. Sealants used as part of a system are to be as recommended by system manufacture.</div> </div> <div>3. SEALANT MATERIAL DESIGNATIONS AND SELECTION</div> <div> <div>1. Type 1: One part Silicone or multi-component, polyurethane urethane sealant. To meet specified requirements of ASTM C 920, CGSB specification CAN/CSB-19.24-M90, Type 2, Class B.</div> <div>2. Acceptable products: <div>1. Dymeric by Tremco Ltd.</div> <div>2. Contractors Weatherproofing Sealant (CWS) by Dow Corning (exterior applications only)</div> </div> <div>2. Type 2: Medium modulus, moisture curing, one part silicone sealant. Meeting the specified requirements of specification CAN/CSB-19.13-M87, Classification MCG-2-25-A-L.</div> <div>3. Use in glass to glass, glass to metal and metal to metal curtainwall joints.</div> <div>4. Acceptable products: <div>1. Spectrem 2 by Tremco Ltd.</div> <div>2. Dow Corning®795 Silicone Building Sealant or Dow Corning® 756 SMS Silicone Building Sealant by Tremco Ltd.</div> </div> <div>3. Type 3: Mildew resistant, one component neutral cure silicone sealant. Meeting the specified requirements of specification CGSB-19GP22M.</div> <div>4. Use on fixtures and vanity tops.</div> <div>5. Acceptable products: <div>1. Tremseal 200 White by Tremco Ltd.</div> <div>2. Dow Corning 786 or Tub Tile and Ceramic by Dow Corning</div> </div> <div>4. Type 4: One component, non-skimming, non-hardening acoustical sealant. Meeting the specified requirements of specification CAN/CSB-19.21-M87.</div> <div>5. Use at vapour barrier joints and openings in drywall systems as shown on the drawings or specified.</div> <div>6. Acceptable products: <div>1. Acoustical Sealant by Tremco Ltd.</div> </div> <div>5. Type 5: One component, paintable acrylic latex sealant. Meeting the specified requirements of specification CGSB-19-GP-17M.</div> <div>6. Use in interior non-moving joints that may be painted.</div> <div>7. Acceptable products: <div>1. Tremflex 834 by Tremco Ltd.</div> </div> <div>6. Type 6: Ultra low modulus, one component, moisture curing silicone sealant.</div> <div>7. Acceptable products: <div>1. Spectrem 1 by Tremco Ltd.</div> <div>2. Dow Corning® 790 Silicone Building Sealant or Dow Corning® Contractors Concrete Sealant by Dow Corning</div> </div> </div>	<div> <div>ONTARIO ASSOCIATION of ARCHITECTS</div> <div>ERIC W. RIDDELL, L.C.E.D. 6207</div> <div>Certificate of Practice Number: 2438</div> <div>4 Cataragui Street, Suite 206, Kingston, ON K7K 1Z7</div> <div>Call 613 541 0800</div> <div>www.szarhitects.ca</div> </div> <div> <div>This is a copyright drawing and design and shall not be used, reproduced or revised without written permission. The contractor shall check and verify all information shown on these drawings with the architect prior to commencing with work. These drawings are not to be scaled. Any deviation in construction from the information shown on these drawings without written approval of the Architect is solely the responsibility of the Constructor</div> </div> <div> <div>UPPER CANADA DISTRICT SCHOOL BOARD</div> </div> <div> <div>0 Issued for Permit and Tender 2023-04-18</div> <div>A Issued for 90% Review 2023-03-15</div> <div>B Issued for 60% Review 2023-02-24</div> <div>Revision Description Date</div> <div>Project Renovations to Linklater Public School</div> <div>Location</div> <div>300 Stone St. North Gananoque, Ontario</div> <div>Client Upper Canada District School Board</div> <div>Drawing Specifications</div> <div> <div>Drawn by JR</div> <div>Date Jan 2023</div> <div>File Name 2213-Linklater-Arch</div> <div>Scale NTS</div> <div>Client Project #</div> <div>Drawing Number</div> </div> <div> <div>Project # 22113</div> <div>Revision # 0</div> <div>A7</div> </div> </div>
---	--	--	--	--	--	---

<p>7. Preformed Compressible and Non-Compressible back-up materials.</p> <p>1. Type as recommended by joint sealant manufacturer.</p>	<p>4. INSTALLATION</p> <p>1. Compliance: comply with manufacturer's written recommendations and specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.</p>	<p>8 - OPENINGS</p> <p>CONTENTS</p> <p>1. Metal Doors and Frame</p> <p>2. Aluminum Doors</p> <p>3. Access Doors</p> <p>4. Curtain Walls</p> <p>5. Aluminum Windows</p> <p>6. Door Hardware</p>	<p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Provide product data:</p> <p>1. Indicate each type of door, material, steel core thickness, mortises, reinforcements, location of exposed fasteners, openings, glazing, arrangement of hardware, fire rating and finishes.</p> <p>2. Indicate each type frame material, core thickness, reinforcements, glazing stops, location of anchors, exposed fastenings, reinforcing and fire rating finishes.</p> <p>3. Include schedule identifying each unit, with door marks and numbers relating to numbering on drawings and door schedule.</p>	<p>3. Ceiling system to show basic construction and assembly, treatment at walls, recessed fixtures, splicing, interlocking, finishes, acoustical unit installation.</p>	<p>3. QUALITY ASSURANCE</p> <p>1. Regulatory Requirements:</p> <p>1. Fire-resistance rated floor/ceiling and roof/ceiling assembly: certified by Canadian Council of Organization accredited by Standards Council of Canada.</p>	<p>3. EXTRA MATERIALS</p> <p>1. Provide one full box of ceiling tiles to Owner.</p> <p>2. Ensure extra materials are from same production run as installed materials.</p> <p>3. Clearly identify each type of acoustic unit, including colour and texture.</p> <p>4. Deliver to location directed by Consultant, upon completion of the work of this section.</p>	<p>4. MATERIALS</p> <p>1. Acoustic units for suspended ceiling system to: CAN/CSSB-92.1.</p> <p>1. Type 1: Main tile:</p> <p>1. Size: 600 x 1 200 mm.</p> <p>2. Edge: Square lay-in.</p> <p>3. Thickness: 19 mm</p> <p>4. Colour: white</p> <p>5. Acceptable products:</p> <p>1. PBT-197 by Certainteed (no exceptions)</p> <p>2. Suspension grid: Intermediate duty system to ASTM C 635. Heavy duty fire rated track, white (no exceptions)</p>	<p>5. MANUFACTURER'S INSTRUCTIONS</p> <p>1. Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.</p>	<p>6. INSTALLATION</p> <p>1. Installation: in accordance with ASTM C 636 except where specified otherwise.</p> <p>2. Install suspension system to manufacturer's instructions and Certification Organizations tested design requirements.</p> <p>3. Do not erect ceiling suspension system until work above ceiling has been inspected by Consultant.</p> <p>4. Secure hangers spaced at maximum 1200 mm centres and within 150 mm from ends of main tees.</p> <p>6. Lay out in accordance with reflected ceiling plans.</p> <p>7. Ensure suspension system is co-ordinated with location of related components.</p> <p>8. Install wall moulding to provide correct ceiling height.</p> <p>9. Completed suspension system to support self-imposed loads, such as, but not limited to, lighting fixtures, diffusers, grilles, and speakers.</p> <p>10. Support at light fixtures and diffusers with additional ceiling suspension hangers within 150 mm of each corner and at maximum 600 mm around perimeter of fixture.</p> <p>11. Interlock cross member to main tee at diffuser grid assembly.</p> <p>12. Frame at openings for light fixtures, air diffusers, speakers and at changes in ceiling heights.</p> <p>13. Finish ceiling system to be square with adjoining walls and level within 1:1000.</p> <p>14. Expansion joints:</p> <p>1. Supply and install "Z" shaped metal trim pieces at expansion joints.</p> <p>2. Design expansion joint to accommodate a minimum plus or minus 25 mm movement and maintain visual closure. Finish metal components to match adjacent exposed metal trim. Provide backing plates behind but joints.</p>	<p>9.4 PAINTING</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Submit product data and instructions for each paint system and coating product to be used.</p> <p>2. Submit duplicate 200 x 300 mm sample panels of each paint with specified paint or coating in colours, gloss/sheen and textures.</p> <p>3. Retain one set of reviewed samples on-site.</p>	<p>2. SITE CONDITIONS</p> <p>1. Heating, Ventilation and Lighting:</p> <p>1. Ventilate enclosed spaces.</p> <p>2. Provide minimum lighting level of 323 Lux on surfaces to be painted.</p> <p>2. Temperature, Humidity and Substrate Moisture Content</p> <p>1. Ambient air and substrate temperatures are below 10 degrees C.</p> <p>2. Substrate temperature is above 32 degrees C unless paint is specifically formulated for application at high temperatures.</p> <p>3. Substrate and ambient air temperatures are not expected to fall within paint manufacturer's prescribed limits.</p> <p>4. The relative humidity is under 85% or when the dew point is more than 3 degrees C variance between the air/surface temperature. Paint should not be applied if the dew point is less than 3 degrees C below the ambient or surface temperature. Use sling psychrometer to establish the relative humidity before beginning paint work.</p> <p>5. Ensure that conditions are within specified limits during drying or curing process, until newly applied coating can itself withstand 'normal' adverse environmental factors.</p> <p>3. Perform painting work when maximum moisture content of the substrate is below:</p> <p>1. Allow new concrete and masonry to cure minimum of 28 days.</p> <p>2. 15% for wood.</p> <p>3. 12% for plaster and gypsum board.</p>	<p>3. MATERIALS</p> <p>1. Waterborne alkylid paints by Benjamin Moore, Sherwin Williams, Dulux, Para & Pittsburgh. For superior adhesion, test samples to match existing.</p> <p>2. Primer for alkylid to latex conversion to be B-I-N Primer by Zinsser.</p> <p>3. Provide paint materials for paint systems from single manufacturer.</p>	<p>4. COLOURS</p> <p>1. All colours are to match existing.</p>	<p>5. INTERIOR PAINTING SYSTEMS</p> <p>1. All paint systems are premium grade, one primer coat and a minimum of two finish coats. Colours and sheen to match existing.</p>	<p>6. PREPARATION AND INSTALLATION</p> <p>1. Comply with manufacturer's written recommendations and specifications, including product technical bulletins, handling, storage and installation instructions, and data sheets.</p> <p>2. Clean and sand all areas to be repainted.</p> <p>3. Spray application of areas is prohibited.</p>	<p>7. SUBMITTALS</p> <p>1. Submit duplicate samples of each type acoustical units.</p> <p>1. Submit manufacturer's product information for each type ceiling suspension system and associated hardware.</p> <p>2. Submit one representative model of each type ceiling suspension system.</p>	<p>9.3 ACOUSTICAL PANEL CEILING AND SUSPENSION GRID</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1. Non-load bearing channel stud framing: to ASTM C 645, stud size as indicated, roll formed from 19-gauge thickness, hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.</p> <p>2. Floor and ceiling tracks: to ASTM C 645, in widths to suit stud sizes, 32 mm flange height.</p> <p>3. Deflection tracks at heads of all full height walls.</p> <p>4. Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.</p> <p>5. Acoustical sealant: In accordance with Joint Sealants section.</p> <p>6. Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self-sticking adhesive on one face, lengths as required.</p> <p>7. Acoustic sound insulation: In accordance with Blanket Insulation section.</p> <p>8. Hangers: Minimum 4.064 (8 IWG) zinc coated annealed steel wire, diameter as required to support indicated assembly and as recommended by framing system and gypsum board manufacturer.</p> <p>9. Tie wire: 1.65 (16 IWG) zinc coated, annealed wire.</p> <p>10. Non-load bearing channels: 1.6 mm thick cold steel zinc coated for interior locations, 2.275 galvanized for exterior locations.</p> <p>1. 38 mm x 12.7 mm where supported at 914 mm centers maximum.</p> <p>2. 38 mm x 19 mm where supported at 1220 mm centers maximum.</p> <p>11. Furring channels:</p> <p>1. 20-gauge thick, cold rolled steel, hot dip galvanized, 22 mm depth x 35 mm face, hat type with knurled face.</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1. Non-load bearing channel stud framing: to ASTM C 645, stud size as indicated, roll formed from 19-gauge thickness, hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.</p> <p>2. Floor and ceiling tracks: to ASTM C 645, in widths to suit stud sizes, 32 mm flange height.</p> <p>3. Deflection tracks at heads of all full height walls.</p> <p>4. Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.</p> <p>5. Acoustical sealant: In accordance with Joint Sealants section.</p> <p>6. Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self-sticking adhesive on one face, lengths as required.</p> <p>7. Acoustic sound insulation: In accordance with Blanket Insulation section.</p> <p>8. Hangers: Minimum 4.064 (8 IWG) zinc coated annealed steel wire, diameter as required to support indicated assembly and as recommended by framing system and gypsum board manufacturer.</p> <p>9. Tie wire: 1.65 (16 IWG) zinc coated, annealed wire.</p> <p>10. Non-load bearing channels: 1.6 mm thick cold steel zinc coated for interior locations, 2.275 galvanized for exterior locations.</p> <p>1. 38 mm x 12.7 mm where supported at 914 mm centers maximum.</p> <p>2. 38 mm x 19 mm where supported at 1220 mm centers maximum.</p> <p>11. Furring channels:</p> <p>1. 20-gauge thick, cold rolled steel, hot dip galvanized, 22 mm depth x 35 mm face, hat type with knurled face.</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1. Non-load bearing channel stud framing: to ASTM C 645, stud size as indicated, roll formed from 19-gauge thickness, hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.</p> <p>2. Floor and ceiling tracks: to ASTM C 645, in widths to suit stud sizes, 32 mm flange height.</p> <p>3. Deflection tracks at heads of all full height walls.</p> <p>4. Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.</p> <p>5. Acoustical sealant: In accordance with Joint Sealants section.</p> <p>6. Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self-sticking adhesive on one face, lengths as required.</p> <p>7. Acoustic sound insulation: In accordance with Blanket Insulation section.</p> <p>8. Hangers: Minimum 4.064 (8 IWG) zinc coated annealed steel wire, diameter as required to support indicated assembly and as recommended by framing system and gypsum board manufacturer.</p> <p>9. Tie wire: 1.65 (16 IWG) zinc coated, annealed wire.</p> <p>10. Non-load bearing channels: 1.6 mm thick cold steel zinc coated for interior locations, 2.275 galvanized for exterior locations.</p> <p>1. 38 mm x 12.7 mm where supported at 914 mm centers maximum.</p> <p>2. 38 mm x 19 mm where supported at 1220 mm centers maximum.</p> <p>11. Furring channels:</p> <p>1. 20-gauge thick, cold rolled steel, hot dip galvanized, 22 mm depth x 35 mm face, hat type with knurled face.</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1. Non-load bearing channel stud framing: to ASTM C 645, stud size as indicated, roll formed from 19-gauge thickness, hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.</p> <p>2. Floor and ceiling tracks: to ASTM C 645, in widths to suit stud sizes, 32 mm flange height.</p> <p>3. Deflection tracks at heads of all full height walls.</p> <p>4. Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.</p> <p>5. Acoustical sealant: In accordance with Joint Sealants section.</p> <p>6. Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self-sticking adhesive on one face, lengths as required.</p> <p>7. Acoustic sound insulation: In accordance with Blanket Insulation section.</p> <p>8. Hangers: Minimum 4.064 (8 IWG) zinc coated annealed steel wire, diameter as required to support indicated assembly and as recommended by framing system and gypsum board manufacturer.</p> <p>9. Tie wire: 1.65 (16 IWG) zinc coated, annealed wire.</p> <p>10. Non-load bearing channels: 1.6 mm thick cold steel zinc coated for interior locations, 2.275 galvanized for exterior locations.</p> <p>1. 38 mm x 12.7 mm where supported at 914 mm centers maximum.</p> <p>2. 38 mm x 19 mm where supported at 1220 mm centers maximum.</p> <p>11. Furring channels:</p> <p>1. 20-gauge thick, cold rolled steel, hot dip galvanized, 22 mm depth x 35 mm face, hat type with knurled face.</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1. Non-load bearing channel stud framing: to ASTM C 645, stud size as indicated, roll formed from 19-gauge thickness, hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.</p> <p>2. Floor and ceiling tracks: to ASTM C 645, in widths to suit stud sizes, 32 mm flange height.</p> <p>3. Deflection tracks at heads of all full height walls.</p> <p>4. Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.</p> <p>5. Acoustical sealant: In accordance with Joint Sealants section.</p> <p>6. Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self-sticking adhesive on one face, lengths as required.</p> <p>7. Acoustic sound insulation: In accordance with Blanket Insulation section.</p> <p>8. Hangers: Minimum 4.064 (8 IWG) zinc coated annealed steel wire, diameter as required to support indicated assembly and as recommended by framing system and gypsum board manufacturer.</p> <p>9. Tie wire: 1.65 (16 IWG) zinc coated, annealed wire.</p> <p>10. Non-load bearing channels: 1.6 mm thick cold steel zinc coated for interior locations, 2.275 galvanized for exterior locations.</p> <p>1. 38 mm x 12.7 mm where supported at 914 mm centers maximum.</p> <p>2. 38 mm x 19 mm where supported at 1220 mm centers maximum.</p> <p>11. Furring channels:</p> <p>1. 20-gauge thick, cold rolled steel, hot dip galvanized, 22 mm depth x 35 mm face, hat type with knurled face.</p>	<p>9.2 WINDOW INSTALLATION</p> <p>1. Windows</p> <p>1. Install windows in accordance with manufacturer's written instructions and to CAN/CSA A440/A440.1.</p> <p>2. Arrange components to prevent abrupt variation in colour.</p>	<p>9.1 GYPSUM BOARD ASSEMBLIES</p> <p>1. MATERIALS</p> <p>1. Standard board: to ASTM C1629, 16 mm thick, Type-X, tapered edges.</p> <p>2. Very High Impact (VHI): ASTM C1396 and ASTM C1629, 16 mm thick, Type-X, Very High Impact rated.</p> <p>3. Metal furring runners, hangers, tie wires, insens, anchors: to CSA A82.30 galvanized.</p> <p>4. Drywall furring channels: 20 gauge core thickness galvanized steel channels for screw attachment of gypsum board.</p> <p>5. Resilient drywall furring: 20-gauge base steel thickness galvanized steel for resilient attachment of gypsum board. Steel stud screws: to ASTM C 1002.</p> <p>7. Stud adhesive: to CAN/CSSB-71.25.</p> <p>8. Laminating compound: as recommended by manufacturer, asbestos-free.</p> <p>9. Casting beads, corner beads, control joints and edge trim: to ASTM C 1047, zinc-coated by hot-dip process, 0.5 mm base thickness, perforated flanges, one piece length per location.</p> <p>1. Trims include, but not limited to, the following:</p> <p>1. Bailey: D-300, D-200, 441 and all others required to complete the work.</p> <p>10. Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self-sticking permanent adhesive on one face, lengths as required.</p> <p>11. Joint compound: to ASTM C 475, asbestos-free.</p> <p>12. Setting compound: to ASTM C 475, asbestos-free.</p> <p>13. Paper tape: to ASTM C 475.</p> <p>14. Fiberglass tape: to ASTM C 475.</p>	<p>9. DOOR HARDWARE</p> <p>1. ACTION AND INFORMATIONAL SUBMITTALS</p> <p>1. Product Data: Submit manufacturer's instructions, printed product literature and data sheets for door hardware and include product characteristics, performance criteria, physical size, finish and limitations.</p> <p>2. Hardware List: Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.</p> <p>2. HARDWARE ITEMS</p> <p>1. Use one manufacturer's products only for similar items.</p> <p>3. MATERIALS</p> <p>1. Lock strikes shall be standard template box strikes, with extended lips to protect door frames and trim from marking with the bolts, and shall be set flush in hollow metal door frames.</p> <p>2. Blank standardized template strikes for hollow metal door frames shall be supplied as scheduled form such doors without locks.</p> <p>2. Door Closers</p> <p>1. Door closers shall be rack and pinion type with back checking feature and shall be of proper sizes to operate each respective door efficiently. Shaft packing shall be leak-proof.</p> <p>3. Bumper and Kick Plates</p> <p>1. Kick and bumper plates shall be as scheduled with edges cut square and smoothed off and shall have counter.</p> <p>2. Stainless steel kick plates shall be 1.27 mm (0.05") minimum thickness, satin finish, Type 304.</p> <p>4. Thresholds</p> <p>1. Thresholds shall be supplied complete with countersunk holes, and with screws and anchors as required for proper anchorage.</p> <p>5. Fasteners</p> <p>1. Hardware shall be complete with screws, bolts, expansion shields and other fastening devices as required for satisfactory installation and operating of the hardware.</p> <p>2. Fastening devices shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Where a pull is required, the fastener shall be of the same finish as the hardware which it is to be fastened.</p> <p>3. Apply water-resistant backing board at all areas to receive tie. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core.</p>	<p>9. FINISHES</p> <p>1. Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>2. Finish face panels in wet areas with joint system consisting of joint setting compound and fiberglass tape and setting compound installed according to manufacturer's directions and feathered out onto panel face to be used.</p> <p>3. Gypsum Board Finish: finish gypsum board walls and ceilings to AWCI Levels of Gypsum Board Finish, level 4.</p>	<p>9.2 NON-STRUCTURAL METAL FRAMING</p> <p>1. MATERIALS</p> <p>1</p>
---	---	--	--	--	--	---	---	---	---	--	---	---	--	--	--	---	---	---	--	---	--	---	---	--	---	--	---	---	--	---	--	---	---	--	---	--	---	---	--	---	--	---	---	--	---	--	--

9.5 RESILIENT SHEET AND TILE FLOORING

- 1

ACTION AND INFORMATIONAL SUBMITTALS
- 1

Provide product data.
- 2

Submit duplicate 300 x 300 mm sample pieces of sheet material, 300 mm long base, feature strips, and edge strips.
- 2

MATERIALS
- 1

Linoleum sheet flooring: composed of natural ingredients which are mixed and calendered onto a jute backing:
- 1

Colour: selected by Consultant from manufacturers full colour range.
- 2

Size:
- 1

Sheet: 2 000 mm (nominal) wide
- 2

Tile: 305 mm x 305 mm
- 3

Acceptable manufacturer:
- 1

Aria 3.0 by Tarkett.
- 2

Resilient base:
- 1

Coved rubber base to match exiting profile.
- 2

Colour to be selected by Consultant from manufacturers full colour range.
- 3

Primers and adhesives: of types recommended by resilient flooring manufacturer for specific material on applicable substrate, above, on or below grade.
- 4

Sub-floor filler and leveler: as recommended by flooring manufacturer for use with their product.
- 1

Flooring will be installed over existing wood sub-floor. Allow for manufacturers recommended floor preparation for wood sub-floors.
- 2

Seams: all seams are to be heat welded to manufacturers requirements / recommendations.
- 5

Metal edge strips:
- 1

Resilient sheet / tile to tile: in accordance with Ceramic Tiling section
- 2

Resilient sheet / tile to carpet: T-molding to suit application by Johnsontite or Koppe, colour as selected by consultant.
- 3

Resilient sheet / tile to concrete: stainless steel, type recommended by flooring manufacturer.
- 6

External corner protectors: stainless steel, type recommended by flooring manufacturer.
- 7

Edging to floor penetrations: stainless steel, type recommended by flooring manufacturer.
- 8

Scaler and wax: type recommended by resilient flooring material manufacturer for material type and location.
- 3

INSTALLATION
- 1

Comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

10 - SPECIALTIES

- 1

Section not used

11 – EQUIPMENT

- 1

Section not used

12 – FURNISHINGS

- 1

Section not used

13 – SPECIAL CONSTRUCTION

CONTENTS

- 1

Roof Guardrail System

13.1 ROOF GUARDRAIL SYSTEM

- 1

Summary: Provide and install free-standing, modular guardrail system, including tube railings, uprights, weighted bases, fittings and delivery to site. Reference: OHSA Act R.R.O. 1990, Regulation 851 – Industrial Establishments, Division B, Section 9.8.8, and all applicable state, provincial, local, and regional codes.
- 2

Finish:
- 1

Tube for handrails, mid-rails, and uprights is to be galvanized G90 finish to the requirements of A-787.
- 2

Fittings shall be fluorocarbon finished or hot dipped galvanized to meet A-787 or BS EN ISO 1461:2009.
- 3

Design Requirements:
- 1

Railing shall consist of top rails, mid rails, uprights, weighted bases and connections.
- 2

All railing tubing shall be 1.66” 11 gauge G90 galvanized steel tube manufactured as per A-787, C1010 modified grade, 50,000 yield, 55,000 tensile.
- 3

Railing assembly shall be capable of resisting an evenly distributed vertical load of 1.5kN/m applied at the top of the guard (As per OBC).
- 4

Compliant with OBC 4.1.5.14.(1)(b): a concentrated load of 1.0 kN applied at any point so as to produce the most critical effect, for access ways to equipment platforms, contiguous stairs and similar areas where the gathering of many people is improbable.
- 4

Submittals:
- 1

Shop drawing: Indicate profiles, sizes, connections, size, and type of fasteners and accessories.
- 2

Drawings to be stamped by a engineer licensed in the Province of Ontario.
- 5

Field Measurements:
- 1

Verify field measurements prior to assembly and/or ordering.
- 6

Manufacture:
- 1

Skyline Group, Series: 5001 RoofBarrier 501 Guardrail System. Toll-free contact: (877) 417- 6336
- 2

Approved equal.
- 7

Components:
- 1

Tube: A-787 1.66” 11 gauge G90 galvanized steel tube.
- 2

Rails and Posts: A-787 1.66” 11 gauge G90 galvanized steel tube.
- 3

Clamp fittings: Elbows, Crossovers, Wall flanges, Tees, Couplings, fluorocarbon finish or hot dipped galvanized.
- 4

Weighted Bases: Steel base plates are 5/8” thick and supplied with powder-coated finish, upright receivers and a ½” thick rubber protection mat on underside of the component.
- 5

Fasteners: All Fasteners shall be 304 or 305 stainless steel.
- 8

Assembly:
- 1

Fit and shop-assemble components in largest practical sizes for delivery to site.
- 2

Upright tops shall be plugged with weather and light resistant material where required.
- 3

Assemble components with joints tightly fitted and secured with set screws tightened to 20 ft.lbs. of torque.
- 4

Accurately form components to suit installation. P
- 9

Installation:
- 1

For all connections with clamp fittings, each set screw is to be tightened to 20 ft.lbs. of torque.
- 2

Placement of uprights and weighted base plates to meet manufacturer specifications and installation instructions.
- 3

Terminate the run as stated in the installation instructions.

14 – CONVEYING EQUIPMENT

CONTENTS

- 1

LULA Lift

14.1 LU/LA LIFT

1. REGULATORY REQUIREMENTS

- 1

Provide passenger elevator in compliance with:
- 1

CSA B44 - Safety Code for Elevators and Escalators, Limited-Use/Limited Application Elevators.
- 2

CSA - C22.1 Canadian Electric Code.

2. SUBMITTALS

- 1

Product Data: Manufacturer's data sheets on elevator, including:
- 1

Preparation instructions and recommendations.
- 2

Storage and handling requirements and recommendations.
- 3

Installation methods.
- 2

Shop Drawings:
- 1

Show typical details of assembly, erection and anchorage.
- 2

Include wiring diagrams for power, control, and signal systems.
- 3

Show complete layout and location of equipment, including required clearances and coordination with hoistway.
- 3

Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- 4

Closout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment of cable tension and periodic cleaning and maintenance of all railing and infill components.

3. PRE-INSTALLATION MEETINGS

- 1

Convene minimum two weeks prior to start of work of this section.
- 2

Review hoistway, electrical, fire alarm and other requirements with appropriate representatives.

4. DELIVERY, STORAGE, AND HANDLING

- 1

Store products in manufacturer's unopened packaging until ready for installation.
- 2

Store components off the ground in a dry covered area, protected from adverse weather conditions.

5. PROJECT CONDITIONS

- 1

Do not use elevator for hoisting materials or personnel during construction period.

6. WARRANTY

- 1

Standard Warranty: Provide a two-year limited warranty covering replacement of defective parts and excluding labor. Preventive maintenance agreement required.

7. MANUFACTURERS

- 1

Acceptable Manufacturer: Garaventa Lift; United States - P.O. Box 1769, Blaine, WA 98231-1769. Canada – 18920 – 36th Ave., Surrey, BC V3ZA 0P6. Toll Free Phone: 800-663-6556 Email: productinfo@garaventalift.com. Web www.garaventalift.com.
- 2

Substitutions: Not permitted.

8. COMMERCIAL PASSENGER ELEVATOR

- 1

Limited Use Limited Application Elevator
- 1

Model: Elvoro LULA
- 2

Capacity: 1,400 pounds (635 kg)
- 3

Car Size: Maximum of 18 SF (1.67 sm)
- 4

Style 1L: 42 inches by 60 inches (1067 by 1524 mm) with one side right sliding doors.
- 5

Travel: 179 ½ inches (4 550 mm). Site Verify
- 6

Stops: 2 stops.
- 7

Speed: Nominal 30 feet per minute (0.15 m/sec).
- 8

Pit Depth: Electric Drive: Minimum 17 inches (432 mm) required.
- 9

Overhead: Electric Drive: Total overhead clearance (Refuge Space) 138 inches (3505 mm) above the finished upper landing floor. This space allowance can be reduced to 111 inches (2819 mm) with the use of a car top prop.

9. DRIVE SYSTEM:

- 1

Electric Drive (1:1 Counterweighted traction drive system with direct drive gearbox)
- 1

Suspension means: elevator traction cable 3x 3/8" (10 mm) diameter
- 2

Guide rail system: Steel 8lb per ft guide rails shall be used for guide rails and counterweight rails. Roller guide shall be used on the cab sling and guide shoes on the counterweight to further reduce noise
- 3

Bi-directional type A safeties brake system
- 4

Overspeed governor protection
- 5

Runtime protection timer function
- 6

Unintended car movement protection
- 7

Control location
- 8

Controller located in door buck.
- 9

Motor: 6 pole 3 phase motor coupled to a product specific gearbox for noise reduction.
- 10

A Safe Working Load (SWL) Beam must be provided in the overhead. This lifting beam must be temporary when overhead <138" (3505mm).
- 11

Smooth starts and stops at each landing.
- 12

Emergency lowering by battery power
- 13

Duty Cycle: normal 200 trips per day, heavy 300 trips per day, excessive 450 trips per day with a maximum of 45 starts per hour.

10. POWER REQUIREMENTS:

- 1

Per manufacturer's shop drawings
- 2

A Separate 115-Volt, 15 Amp Circuit is required for car lighting.

11. CONTROLS:

- 1

Garaventa-Design PLC Controller with integrated self diagnostics.
- 2

Fully automatic push button at car and landings with Braille markings.
- 3

Automatic car light control upon entry

12. STANDARD FEATURES:

- 1

Car direction lantern comes with audio and visual signals
- 2

Full height photo-electric door sensors
- 3

Automatic home park feature (can be disengaged during installation if desired)
- 4

Car arrival lanterns on car door jamb
- 5

Arrival gong
- 6

Digital floor indicator in Car

13. ADDITIONAL SAFETY FEATURES:

- 1

Emergency back-up power with a manual lowering device
- 2

Car operator with integral gate switch
- 3

Automatic bi-directional floor leveling
- 4

Emergency alarm button in car, Emergency keyed stop switch in car.
- 5

Terminal Stopping Device
- 6

Final Stopping Device
- 7

Emergency recall tied into building fire alarm system.

14. OPTIONS:

- 1

Integrated ADA compliant hands-free telephone
- 2

Hoistway overhead refuge device
- 3

Swipe card hoistway access.

15. ELEVATOR CAB DESIGN

- 1

Interior Walls: Laminate panel sections.
- 1

As selected from manufactures standard colours and finishes.
- 2

Cab Frame: Stainless Steel

- 3

Ceiling Finish: Stainless Steel brushed finish.
- 4

Handrail Finish: Stainless Steel brushed finish.
- 5

Car Operating Panel Finish: Stainless Steel brushed finish.
- 6

Floor: Unfinished plywood.
- 7

Lighting: Four recessed L.E.D. down lights, Chrome Trim.
- 8

Car Direction Lantern: Car direction lantern complete with auto and visual signaling device indicating direction of travel and arrival at selected floor.
- 9

Car Doors: When open the doors provide a 36 inch (915 mm) by 80 inch (2032 mm) clear opening.
- 1

Two Speed Horizontal Sliding equipped with full height photo-electric door sensors; color Stainless steel brushed finish.

16. HOISTWAY ENTRANCES

- 1

Hoistway Entrances: When open the doors provide a 36 inch (915 mm) by 80 inch (2032 mm) clear opening. Door type to be Two-Speed Horizontal Side Sliding Doors with Stainless Steel brushed finish.
- 2

Hall Call Stations:
- 1

Hall Station Type: Card access with Push Button.
- 2

Finish: Stainless Steel brushed finish.

17. EXAMINATION

- 1

Do not begin installation until preliminary work including hoistway, landings and machine space has been properly prepared.
- 2

Verify hoistway is constructed in accordance with ASME17.1 CSA B-44 and all local codes.
- 3

Verify hoistway and machine room environment is designed to have maintainable temperatures between 50 degrees F (15 degrees C) and 90 degrees F (32 degrees C) and humidity between 5% and 90% non-condensing.
- 4

Verify machine room if required provided with lighting, light switch and convenience outlet and conforms to NFPA/CEC and clear space requirements and local codes.
- 5

Verify hoistway shaft and openings are of correct size and within tolerance.
- 6

Verify electrical power is available and of correct characteristics.
- 7

If preliminary work is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

18. PREPARATION

- 1

Clean surfaces thoroughly prior to installation.
- 2

Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

19. INSTALLATION

- 1

Install elevator in accordance with applicable regulatory requirements including ASME A17.1/ CSA B-44 and the manufacturer's instructions.
- 2

Install system components and connect to building utilities.
- 3

Accommodate equipment in space indicated.
- 4

Startup equipment in accordance with manufacturer's instructions.
- 5

Adjust for smooth operation.

20. FIELD QUALITY CONTROL

- 1

Perform tests in compliance with ASME A17.1/ CSA B-44 and as required by authorities having jurisdiction.
- 2

Schedule tests with agencies and Architect, Owner, and Contractor present.

21. FIELD SERVICES

- 1

Obtain required permits to perform tests. Perform tests required by regulatory agencies.
- 2

Schedule tests with agencies and Architect and Contractor present.
- 3

Submit test and approval certificates issued by jurisdictional authorities.

22. ADJUSTING

- 1

Adjust for smooth acceleration and deceleration of car so not to cause passenger discomfort.
- 2

Adjust automatic floor leveling feature at each floor to provide stopping zone of 1/4 inch (6 mm).

sza

Shoalts and Zaback Architects Ltd



Certificate of Practice Number: 2438
4 Cataragui Street, Suite 206, Kingston, ON K7K 1Z7
tel. 613.541.0776 fax. 613.541.0804
mail@szarch.com www.szarchitects.ca

This is a copyright drawing and design and shall not be used, reproduced or revised without written permission. The contractor shall check and verify all dimensions and report all errors and omissions to the architect prior to commencing work. These drawings are not to be scaled. Any deviation in construction from the information shown on these drawings without written approval of the Architect is solely the responsibility of the Constructor



0	Issued for Permit and Tender	2023-04-18
B	Issued for 90% Review	2023-03-15
A	Issued for 60% Review	2023-02-24
Revision	Description	Date

Project
Renovations to Linklater
Public School

Location

300 Stone St. North
Gananoque, Ontario

Client
Upper Canada District School Board

Drawing
Specifications

Drawn by JR	Date Jan 2023
File Name 22113-Linklater-Arch	Scale NTS
Client Project # 22113	Drawing Number A9