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Addendum #3

Invitation to Tender 2021-11

Daycare project at School ÉEC Sainte-Croix, Tiny

Submission Deadline:

February 11th, 2021 at 02:00:00 PM local time

This Addendum forms part of the Contract Documents and amends the original Bids Documents and Specifications as noted below.

Ensure all parties submitting bids are aware of all items included in this Addendum. Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification.

Part I – Questions and answers

- **Question 1:** Would it be possible to post the site pictures through an addendum?

Answer 1: Yes, please find the pictures in this addendum.

- **Question 2:** Are all the videos in the electronic documents?

Answer 2: The videos can be downloaded on Bids and Tenders.

- **Question 3:** Should the existing class floor be replaced completely?

Answer 3: No, the new VCT floor, Armstrong, premium Excelon, Raffia Stream (colour to be selected by Architect) must be installed only in the washroom (121D), kitchen, new Laundry Room and corridor (48, 49 & 50).

The floor must be patched in the classrooms and corridor at saw cuts to match the existing.

- **Question 4:** Can you confirm what the existing fire alarm is and what provide pictures of the main switchboard 1200A?

Answer 4: Existing fire alarm is MIRCOM, see photos attached.

- **Question 5:** Please clarify the mirrors in New Washroom 121D will be supplied by the client as well.

Answer 5: The mirrors are to supply and install, they are part of the scope of work and to be included in the contract.

- **Question 6:** Pipe path on drawing M2 is out of work area, could you provide the ceiling specification?

Answer 6: The existing ceiling is 1x1 Acoustic ceiling tiles in the classrooms and corridors (Photo attached) on Celdex or Rapidex (TBC), which should be salvaged and reinstated where shown on the new RCP layouts. Refer to the "Reassessment of Hazardous Building Materials Survey" attached to the Spec's for the complete list of material analysed at each location. New areas as shown on RCP are drywall ceiling , new 2x2 & 2x4 acoustic ceiling and Acoustical cloud system for the floating portions in the washroom; refer to the associated drawings and specification.

- **Question 7:** Would it be possible to post some pictures of the existing flooring in existing corridor 45 as we are only replacing/repairing floor finish where the slab will be cut?

Answer 7: Refer to the DSR report attached to the specifications (Division 2), the flooring in the corridor 45 & 49 is "Terrazzo".

- **Question 8:** Should the room 104B floor replace? Could you provide the flooring(104B) specification,(manufacture name and material code number?

Answer 8: Stage floor (104B), vestibule (104A) and stair flooring to be removed and replaced with new sport flooring, Gerflor, Recreational 45 (colour/pattern to be selected by architect), as the tiles have been identified with Asbestos-Containing material in DSR report; Asbestos removal required.

- **Question 9:** Please confirm if furnishings shown in New Daycare Office 121A is not under GC's contract.

Answer 9: yes the furnishings are not under GC's contract.

- **Question 10:** Could you provide specification for washroom partitions or confirm owner will supply toilet partition and we will supply labor to install?

Answer 10: No washroom partitions are required.

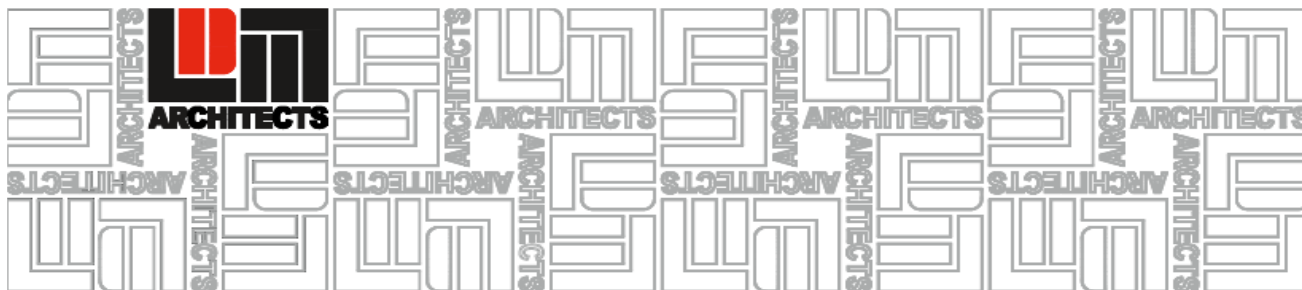
Part II – Architectural Addendum No. 1

Please refer to the Architectural Addendum No. 1 hereunder enclosed.

Part III – Site pictures and videos

Site pictures and videos can downloaded in Bids and tenders.

END OF ADDENDUM #3



Architectural Addendum No. 1

Project No.: 2018-0011B1-Re-Tender 2021

Date: 1 February 2021

Project : ÉÉC Ste. Croix

The following information supplements and/or supersedes the bid documents issued on Jan. 11, 2021.

This Addendum forms part of the contract documents and is to be read, interpreted, and co-ordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject the Bidder to disqualification.

Drawings:

Refer to attached Architectural drawings for the revision indicated with revision cloud as listed below:

- 1- Drawing 1/A1-2-1: Revisions to include the clearances required for New door D1. Existing dimension affected to be verified by GC.
- 2- Drawing 1/A1-3-1: Revisions showing door clearances required for New door D1 and location of new PA device, Thermostat and A/V screening devices.
- 3- Drawings 1&2/A2-1: Revisions showing location of new PA device, Thermostat and A/V screening devices.
- 4- Drawing 5/A2-3: Showing ceramic tiles while the washroom partition deleted.

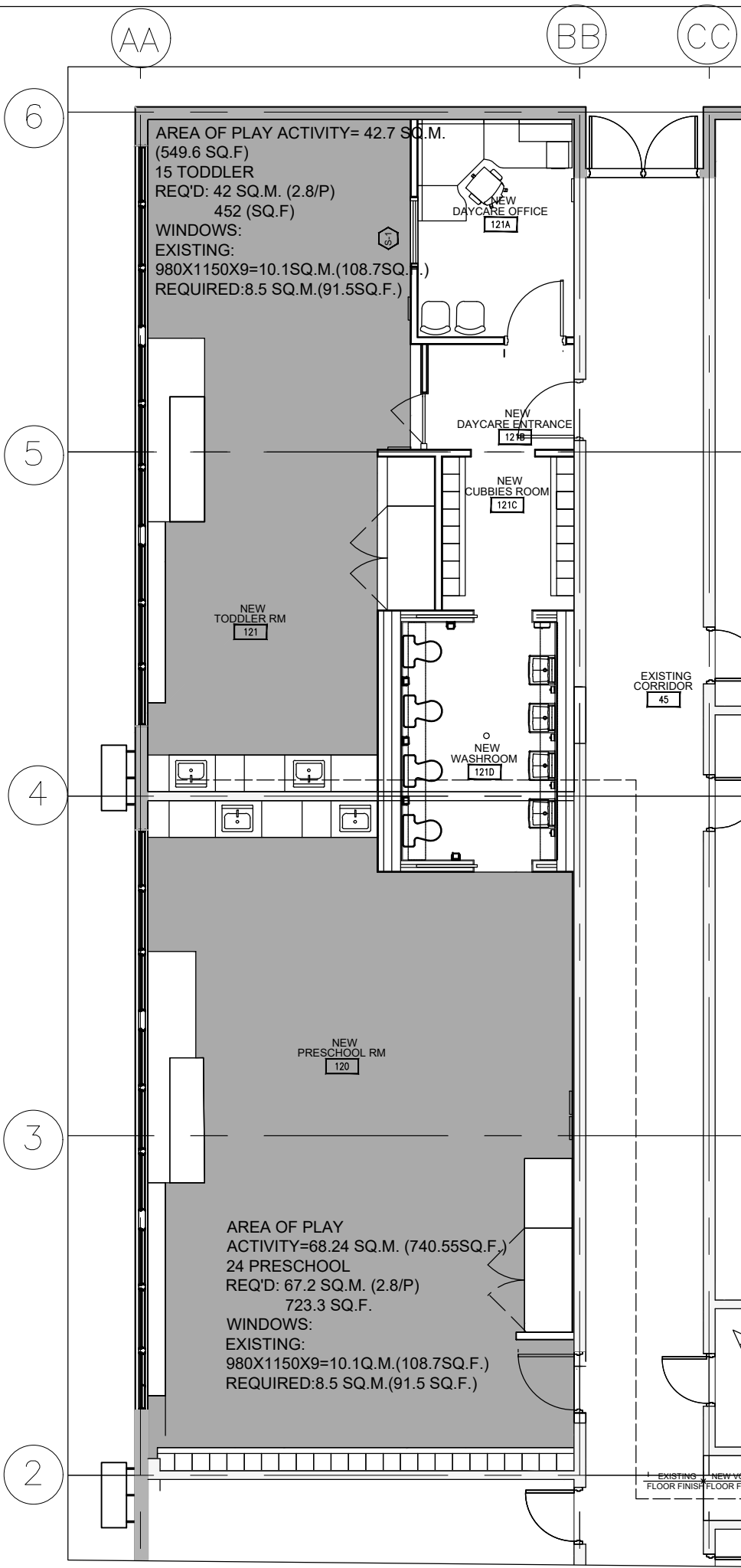
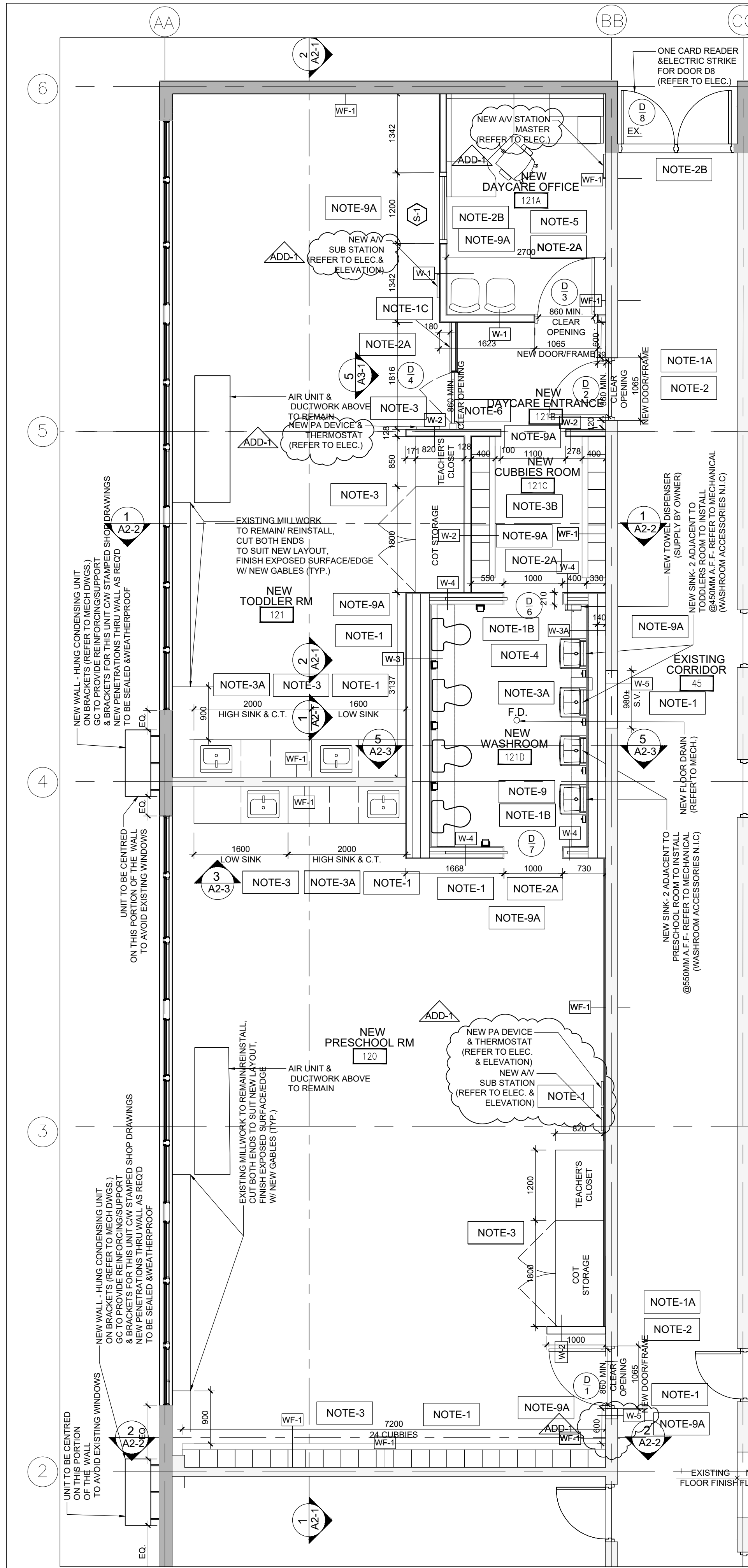
Specifications:

1. Section 09 65 16, article 1.7 Acceptable manufacturers:
Add Gerflor- Recreation 45,60 as the approved sport flooring for the stage.

Refer to attached documents issued for Structural, Mechanical & Electrical addendum.

End of Addendum ARCH-1

2018-11E



2 NEW LAYOUT
SC. 1:100 DAYCARE AREA CALCULATIONS

1 NEW LAYOUT
SC. 1:50 PRESCHOOL RM 120 & TODDLER RM 121

- ARCHITECTURAL
- SUPPLY & INSTALL NEW DOOR, FRAME AND HARDWARE WHERE INDICATED.
 - REINSTALL EXISTING DOOR C/W HARDWARE AS SHOWN WHERE INDICATED, PATCH & FINISH AS REQ'D.
 - NEW DOORS SERVING PUBLIC CORRIDOR TO BE 45 MIN. FIRE RATED.
 - INFILL EXISTING OPENING WITH ONE HOUR FIRE RATED WALL, THICKNESS TO MATCH TO EXISTING.
 - SUPPLY & INSTALL NEW SLIDING DOORS BETWEEN ROOM 120& 121 WHERE INDICATED.
 - SUPPLY & INSTALL NEW 4' HIGH ENTRANCE GATE (WOOD) AND ADJACENT HALF WALL WHERE INDICATED.
 - ADD NEW MILLWORKS INCLUDING CABINETS, HIGH & LOW SINK, LOW SINKS EQUIPPED W/ MIXING VALVES , CHANGING TABLES, COT STORAGE AND TEACHER'S CLOSET WHERE INDICATED. LOW AND HIGH SINKS TO HAVE CLEANOUTS ACCESSIBLE.
 - CONSTRUCT NEW OFFICE INSIDE ROOM 121, INCLUDING VISION SCREENS AND B.F.DOOR.
 - SUPPLY & INSTALL NEW TACK BOARDS & WHITE BOARDS WHERE INDICATED.
 - ADD REMOVABLE BACK PANELS, SUPPORT PANELS/BRACKETS, ELEC. & DATA CONDUIT, PHONE, WIFI C/W PASS THROUGH GROMMET AND POP UP OUTLET ON/BELOW COUNTER AT OFFICE SIDE WHERE INDICATED.
 - CONSTRUCT NEW WASHROOM FOR CHILDREN INCLUDING 4 TOILETS, 4 SINKS EQUIPPED W/ MIXING VALVES BETWEEN ROOMS 120 & 121 WITH ACCESS FROM BOTH ROOMS AS PER LAYOUT. INSTALL WASHROOM ACCESSORIES (TO BE SUPPLIED BY OWNER (N.I.C.))
 - SUPPLY & INSTALL NEW VCT FLOORING IN THE WASHROOM AND WHERE INDICATED.
 - PATCH FLOORING TO MATCH TO EXISTING AT SAW CUTS.
 - PROVIDE PLUMBING, POWER AND EXHAUST FOR NEW WASHROOM.
 - INSTALL WASHER & DRYER INSIDE LAUNDRY CLOSET, PROVIDE PLUMBING, POWER AND EXHAUST TO OUTSIDE.
 - PROVIDE ALPHONE INTERCOM AND ONE CARD READER OUTSIDE EXTERIOR DOOR LOCATED AT WEST ENTRANCE & ONE CARD READER FOR EAST ENTRANCE WHERE INDICATED.
 - UPGRADE VENTILATION, AND FIRE ALARM SYSTEM FOR DESIGNATED AREAS.
 - PATCH FLOORING TO MATCH TO EXISTING WHERE INDICATED AND AT SAW CUTS.
 - CLEAN & REINSTALL LIGHT FIXTURES AND SUSPENSION CEILING AS PER THE NEW LAYOUT.
 - UPGRADE VENTILATION/ COOLING SYSTEM BY ADDING NEW REMOTE CONDENSING UNITS FOR ROOMS 120 & 121 & ADJUSTMENTS TO EXISTING BAS CONTROLS (REFER TO MECHANICAL).
 - PROVIDE REINFORCING/ SUPPORT & BRACKETS FOR NEW WALL-HUNG CONDENSING UNITS, ENGINEERING STAMPED SHOP DRAWINGS REQUIRED TO REVIEW.
 - NEW PENETRATIONS THRU EXISTING WALL TO BE SEALED & WEATHERPROOF.
 - NEW EXPOSED DUCTWORK PAINT TO MATCH TO EXISTING.
 - RELOCATE/ADD FIRE ALARMS (REFER TO ELECTRICAL).
 - UPGRADE SPEAKERS FOR THE AREA OF WORK.

REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR RELATED SCOPE OF WORK.

- PARTITION TYPES
- A. ALL NEW PARTITIONS TO U/S/ OF SLAB, UNLESS OTHERWISE NOTED.
 - B. REFER TO ROOM SCHEDULE FOR FINISHES.
 - C. ALL ELECTRICAL/MECHANICAL DEVICES TO BE MOVED TO FACE OF NEW PARTITION.
- W-1 INTERIOR NON-LOAD BEARING WALL
- 1 HOUR F.R.R. ULC #W407
- 15.9MM TYPE X GYPSUM WALL BOARD
 - 89MM ACOUSTIC BATT INSULATION
 - 31MM X 92MM STEEL STUD @400mm O.C.
 - 15.9MM TYPE X GYPSUM WALL BOARD
 - FLOOR TO U/S OF STRUCTURE
 - FINISH AS PER FINISH SCHEDULE, PERIMETER CAULKED
- W-2 INTERIOR NON-LOAD BEARING WALL
- 15.9MM GYPSUM WALL BOARD
 - 31MM X 92MM STEEL STUD @400mm O.C.
 - 89MM ACOUSTIC BATT INSULATION
 - 15.9MM GYPSUM WALL BOARD
 - FLOOR TO U/S OF STRUCTURE
 - FINISH AS PER FINISH SCHEDULE
 - PERIMETER CAULKED
- W-F1 INTERIOR FURRING
- TO UNDERNEATH OF THE EXISTING CEILING
- 22MM METAL FURRING CHANNEL @610mm O.C.
 - 12 MM GYPSUM WALL BOARD
 - FINISH AS PER FINISH SCHEDULE
- W-3 INTERIOR NON-LOAD BEARING WALL
- (INSIDE WASHROOM)
- 16MM CEMENT BACKER BOARD (C.B.U)
 - FLOOR TO U/S OF STRUCTURE
 - 16MM PLYWOOD BLOCKING
 - AS REQ'D FOR MILLWORK AND WASHROOM ACCESSORIES INSTALLATION
 - WATER PROOFING MEMBRANE
 - 152MM METAL STUDS AT 400MM O.C.
 - 140MM AIR/PLUMBING SPACE
 - 89MM ACOUSTIC BATT INSULATION
 - 92mmMETAL STUDS AT 400MM O.C.
 - 15.9MM GYPSUM WALL BOARD TO U/S OF STRUCTURE
 - FINISH AS PER FINISH SCHEDULE
 - PERIMETER CAULKED
- W-3A INTERIOR NON-LOAD BEARING WALL
- (INSIDE WASHROOM)
- 16MM CEMENT BACKER BOARD (C.B.U)
 - FLOOR TO U/S OF STRUCTURE
 - 16MM PLYWOOD BLOCKING
 - AS REQ'D FOR MILLWORK AND WASHROOM ACCESSORIES INSTALLATION
 - WATER PROOFING MEMBRANE
 - 152MM METAL STUDS AT 400MM O.C.
 - 150MM ACOUSTIC BATT INSULATION
 - 140MM AIR/PLUMBING SPACE
 - EXISTING WALL
 - FINISH AS PER FINISH SCHEDULE
 - PERIMETER CAULKED
- W-4 INTERIOR NON-LOAD BEARING WALL
- (INSIDE WASHROOM)
- 16MM CEMENT BACKER BOARD (C.B.U)
 - FLOOR TO U/S OF STRUCTURE
 - 16MM PLYWOOD BLOCKING
 - AS REQ'D FOR MILLWORK AND WASHROOM ACCESSORIES INSTALLATION
 - WATER PROOFING MEMBRANE
 - 31MM X 64 MM STEEL STUD @400MM O.C.
 - 500 AIR SPACE FOR POCKET DOOR
 - 31MM X 64 MM STEEL STUD @400MM O.C.
 - 15.9MM GYPSUM WALL BOARD
 - FLOOR TO U/S OF STRUCTURE
 - FINISH AS PER FINISH SCHEDULE
 - PERIMETER CAULKED
- W-5 INTERIOR NON-LOAD BEARING WALL-INFILL
- 1 HOUR F.R.R. OBCHB2C
- 12.7MM GYPSUM WALL BOARD (ON CORRIDOR SIDE)
 - 140MM CONCRETE MASONRY UNIT
 - FLOOR TO U/S OF STRUCTURE
 - FINISH AS PER FINISH SCHEDULE, PERIMETER CAULKED
 - ENSURE MORTAR IS PACKED COMPLETELY AND FIRE SEPARATION IS CONTINUOUS
 - THICKNESS TO MATCH TO EXISTING

- CONSTRUCTION NOTES
- NOTE-1
- INSTALL NEW WALL C/W PAINT AS PER SCHEDULE
 - PATCH + M.G. WALL/CEILING/FLOOR SURFACES
 - PROVIDE STAMPED SHOP DRAWINGS FOR NEW STEEL STUD FRAMING
 - TO INFILL THE OPENINGS AT LOCATIONS WITH CMU ALLOW FOR TOOTING-IN OF NEW BLOCK
- NOTE-1A
- FINISH EDGES OF EXPOSED WALLS TO MATCH TO EXISTING, WHERE APPLICABLE AT BLOCK WALL
 - W/BUHLN/SEAL END BLOCKS, C/W MATCHING MATERIAL, ALLOW FOR TOOTING-IN OF NEW BLOCKS, PATCH +M.G. WALL/CEILING/FLOOR SURFACES, WHERE WALLS REMOVED AT NEW OPENINGS.
 - FINISH EDGES OF OPENING SURROUND WITH PLAM ON MOISTURE RESISTANT MDF, PATCH +M.G. WALL/CEILING/FLOOR SURFACES.
- NOTE-1B
- INSTALL NEW HALF WALL, (854+WIDEX1200MMHIGH) 12.7MM DRYWALL ON BOTH SIDES OF 31MM X 64 MM STEEL STUD FRAMING @400MM C, C/W MELAMINE FINISH ON 15MM HDF CORE TO MATCH TO ADJACENT SWING GATE/POST
 - SUPPLY & INSTALL NEW DOOR/FRAME/HARDWARE AS PER SCHEDULE
 - INSTALL JAMBS + HEAD (LINTELS TO COMPLY TO LINTEL SCHEDULE), REFER TO STRUC. DWGS.
 - DOOR TO BE EQUIPPED WITH DOOR CLOSER AS PER DOOR SCHEDULE
 - FOR DOOR AND DOOR FRAMES COLOUR CONTRAST REQ'D, REFER TO FINISH SCHEDULE
- NOTE-1C
- INSTALL NEW DOOR/FRAME/HARDWARE WHERE INDICATED.
 - INSTALL JAMBS + HEAD (W/2X4 FRAMING @16"O.C. AND GYPSUM BOARD
 - DOOR TO BE EQUIPPED WITH DOOR CLOSER
 - FOR DOOR AND DOOR FRAMES COLOUR CONTRAST REQ'D, REFER TO FINISH SCHEDULE
- NOTE-2
- INSTALL NEW ONE CARD READER, DOOR CLOSER & ELECTRIC STRIKE FOR THE EXISTING DOOR
- NOTE-2A
- INSTALL NEW ALPHONE AND ONE CARD READER FOR THE EXISTING DOOR, ALPHONE TO CONNECT TO THE MAIN OFFICE.
- NOTE-2B
- SUPPLY AND INSTALL NEW MILLWORKS INCLUDING CABINETS, HIGH & LOW SINKS, CHANGING TABLES, COT STORAGE AND TEACHER'S CLOSET WHERE INDICATED.(REFER TO MILLWORK DRAWINGS)
 - PROVIDE NEW OUTLETS. (REFER TO ELECTRICAL)
- NOTE-2C
- SUPPLY AND INSTALL SINKS & FAUCETS, CONNECT TO EXISTING PLUMBING. (REFER TO MECHANICAL)
 - PROVIDE NEW OUTLETS. (REFER TO ELECTRICAL)
- NOTE-3
- SUPPLY AND INSTALL CUBBIES AND BENCH. (REFER TO MILLWORK DWG.S)
- NOTE-3A
- INSTALL WASHER & DRYER, CONNECT TO EXISTING PLUMBING (REFER TO MECHANICAL)
 - PROVIDE POWER (REFER TO ELECTRICAL)
 - PROVIDE EXHAUST DUCT TO EXTERIOR (REFER TO MECHANICAL)
- NOTE-3B
- SUPPLY AND INSTALL NEW MILLWORKS INCLUDING CABINETS & SHELVES & COUNTERTOP C/W BACK SPLASH. (REFER TO MILLWORK DRAWINGS)
 - PROVIDE NEW OUTLETS. (REFER TO ELECTRICAL)
- NOTE-3C
- SUPPLY & INSTALL NEW TOILET FIXTURE.
 - INSTALL WASHROOM ACCESSORIES (TO BE SUPPLIED BY OWNER)
 - CONNECT TO EXISTING PLUMBING (REFER TO MECHANICAL)
 - PROVIDE CONDUIT FOR ELECTRICAL AND DATA BEHIND THE NEW BACK PANEL, C/W NEW OUTLET PASS THRU GROMMET FOR NEW OFFICE. (REFER TO ELECTRICAL)
- NOTE-3D
- INSTALL PA, THERMOSTAT & FIRE ALARM. (REFER TO ELECTRICAL)
- NOTE-4
- REINSTALL THE EXISTING DOOR W /OPPOSITE SWING, PATCH, PAINT AND FINISH AS PER SCHEDULE
- NOTE-5
- INSTALL NEW WHEELCHAIR LIFT AS PER MANUAL AND STRUCTURAL DRAWINGS.
- NOTE-6
- REINSTALL EXISTING STAIRS AND RAILING WHERE INDICATED, ADJUST RAILING TO SUIT NEW LAYOUT.
- NOTE-7
- PATCH AND MAKE GOOD FLOOR WHERE EXISTING SLAB FOR NEW DRAIN, LIFT AND OTHER AREAS HAS BEEN CUT OR REMOVED.
 - MAKE IT LEVEL AND READY FOR NEW FLOORING.
 - SUPPLY & INSTALL NEW VCT TILES ON FLOOR.
- NOTE-8
- PATCH FLOORING TO MATCH TO EXISTING AT SAW CUTS.
- NOTE-9A
- PATCH AND MAKE GOOD GOUGES, HOLES AND MARKS ON EXISTING WALLS TO REMAIN
 - ENSURE CONTINUITY OF ALL FIRE SEPARATIONS. FIRE STOP ALL JOINTS AND PENETRATIONS THROUGH FIRE SEPARATIONS.
 - WHERE THERE IS DIFFERENCE IN CEILING HEIGHTS, COVER VERTICALS EDGES OF THE RECESSED CEILING WITH DRYWALL, CEILING FRAMING/PANELS, PREPARE TO RECEIVE PRIMER AND PAINT.
 - REFER TO LINTEL SCHEDULE FOR SIZE OF CHANNEL.
 - REFER TO MECHANICAL DRAWINGS FOR RELOCATION OF EXISTING DUCTWORK, DIFFUSERS AND PIPES ABOVE THE CEILING.
 - REFER TO MECHANICAL DRAWINGS FOR LOCATION OF SMOKE DETECTORS.
 - CONTRACTOR TO VERIFY AND COORDINATE LOCATION, HEIGHT AND ORIENTATION OF CEILINGS.

NOTES

- VERIFY ALL DIMENSIONS
- MEASUREMENTS TO BE CONFIRMED ON SITE
- VERIFY/CONFIRM LOCATION/DIMENSIONS REFER TO THE EXISTING COMPONENTS AND EQUIPMENTS
- DO NOT SCALE DRAWINGS
- REPORT ANY DISCREPANCIES, DISCOVERED ERRORS OR OMISSIONS TO THE ARCHITECT BEFORE PROCEEDING
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DRAWINGS WITH THE LATEST PROVISIONS ARE USED FOR CONSTRUCTION

LEGEND

- EXISTING WALLS TO REMOVE
- ===== EXISTING WALLS TO REMAIN
- ===== NEW WALLS

KEY MAP

ISSUED FOR ADDENDUM ARCH-1 FEB01, 2021

ISSUED FOR RE-TENDER JAN11, 2021

ISSUED FOR PERMIT/TENDER FEB25, 2020

SCOPE REDUCTION-CLIENT REVIEW APR26, 2019

SUBMITTED FOR TENDER & PERMIT JULY 5, 2018

ISSUED FOR 99% DESIGN JUNE 22, 2018

ISSUED FOR 66% DESIGN JUNE 08, 2018

ISSUED FOR 33% DESIGN MAY 22, 2018

ISSUED FOR CLIENT REVIEW MAY 14, 2018

ONTARIO ASSOCIATION OF ARCHITECTS

LIDA MOHAMMADI

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JAN 31 2021

ARCHITECTS

Architecture + Design

LDM ARCHITECTS INC.

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4 1 6 3 0 3 8 7 9 8

EEC- STE. CROIX DAYCARE

INTERIOR RENOVATIONS

TINY, ON

MonAvenir

CONSEIL SCOLAIRE CATHOLIQUE

CONSEIL SCOLAIRE CATHOLIQUE MONAvenir

110 DREWRY AVENUE

TORONTO, ON

SELECTIVE NEW LAYOUTS

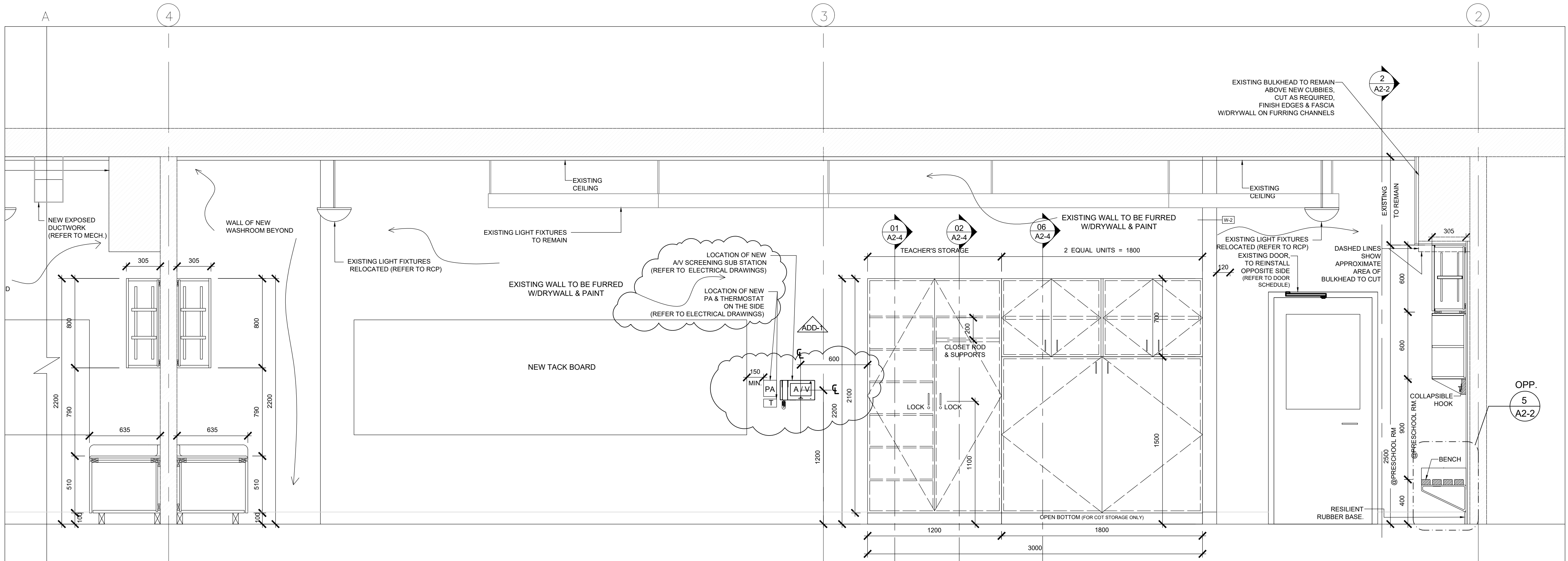
ROOMS 120 & 121

A1-3-1

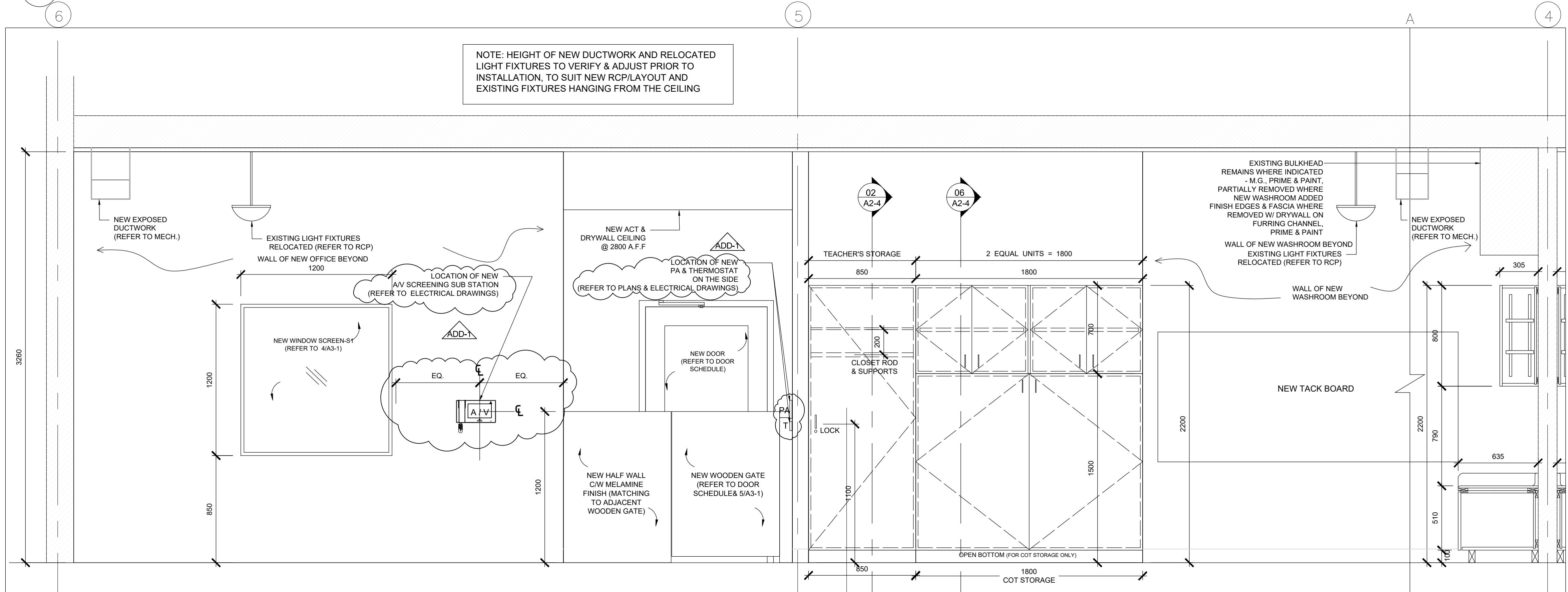
AS NOTED

MAY 2018

2018-11B



1
A2-1
SC. 1:20
ROOM 120



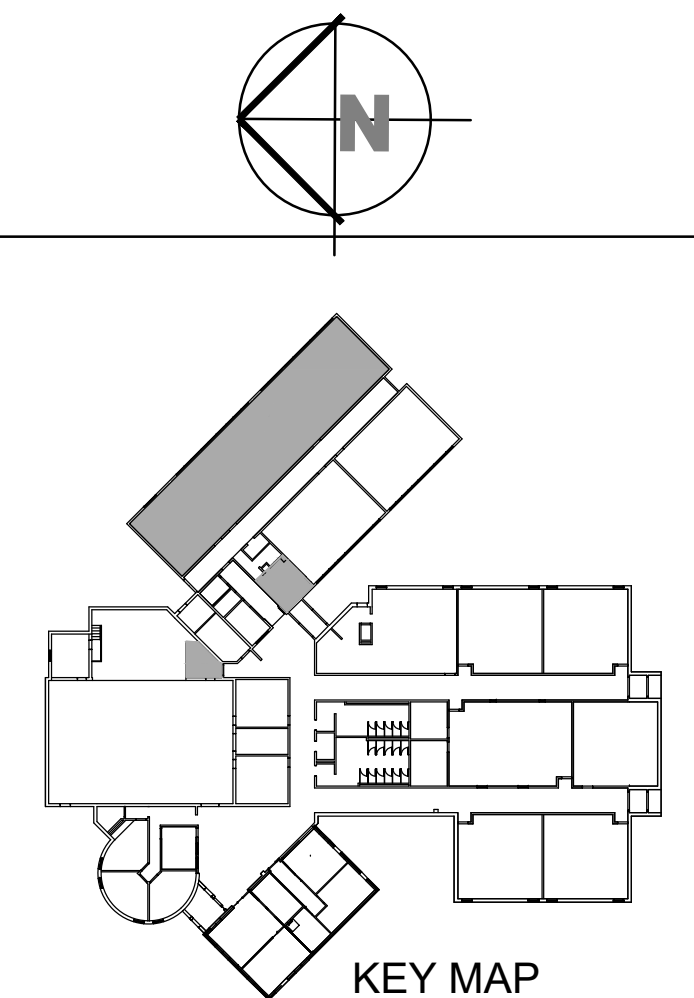
2
A2-1
SC. 1:20
ROOM 121

NOTES

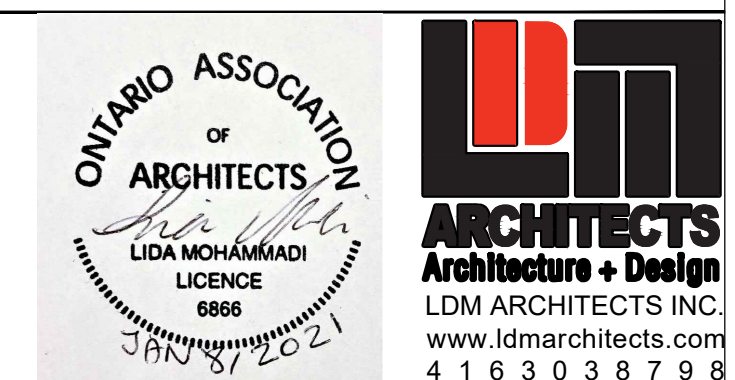
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LEGEND

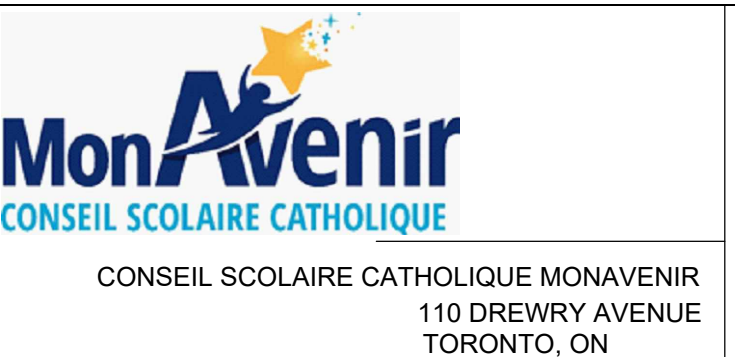
- EXISTING WALLS TO REMOVE
- EXISTING WALLS TO REMAIN
- NEW WALLS



ISSUED FOR ADDENDUM ARCH-1 FEB01, 2021
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 ISSUED FOR PERMIT/TENDER FEB25, 2020
 SCOPE REDUC. +LIFT, CLIENT REVIEW FEB19, 2020
 SCOPE REDUC. +LIFT, CLIENT REVIEW OCT25, 2019
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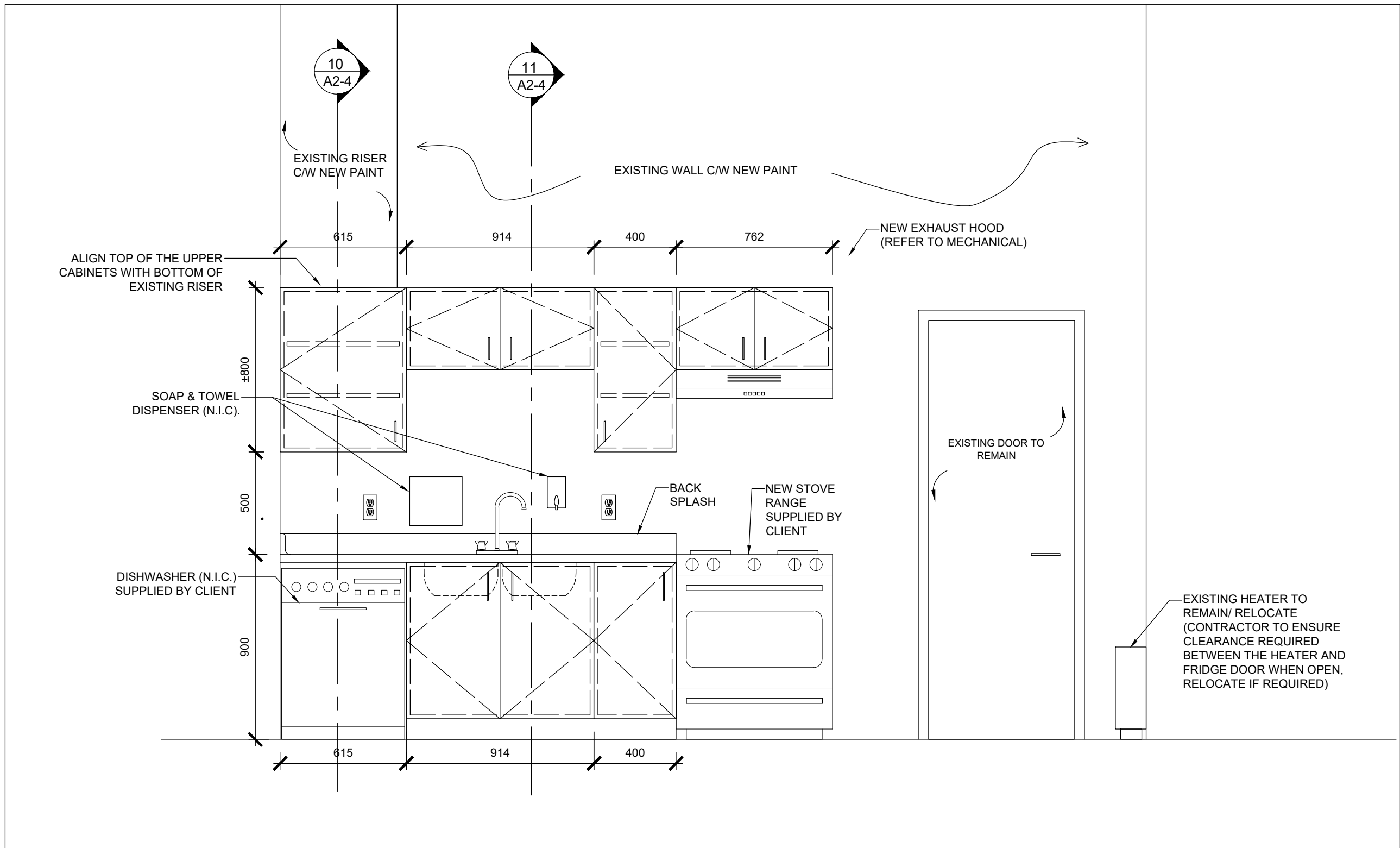
EEC- STE. CROIX DAYCARE
 INTERIOR RENOVATIONS
 TINY, ON



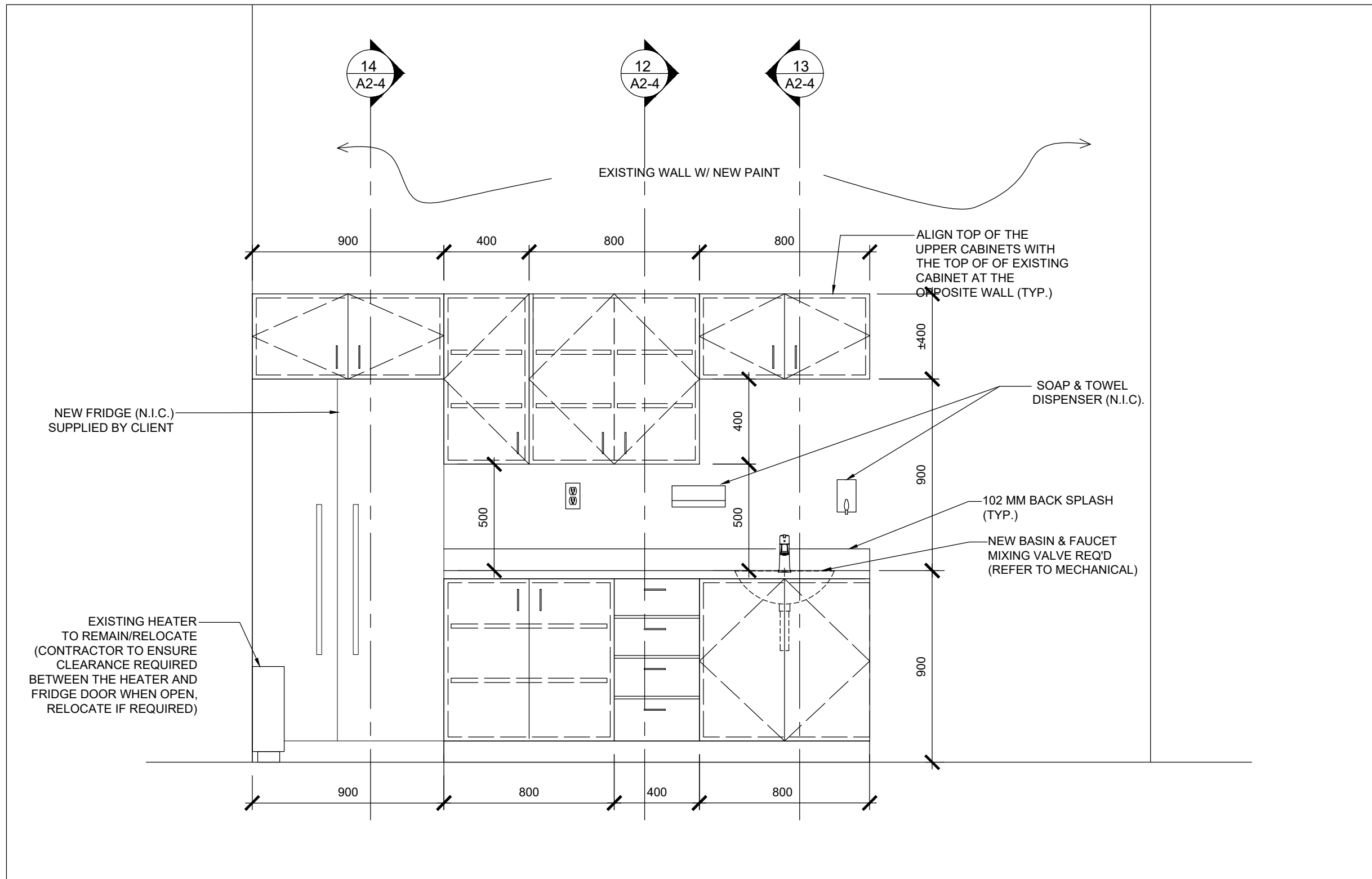
INTERIOR SECTION/ ELEVATIONS

A2-1

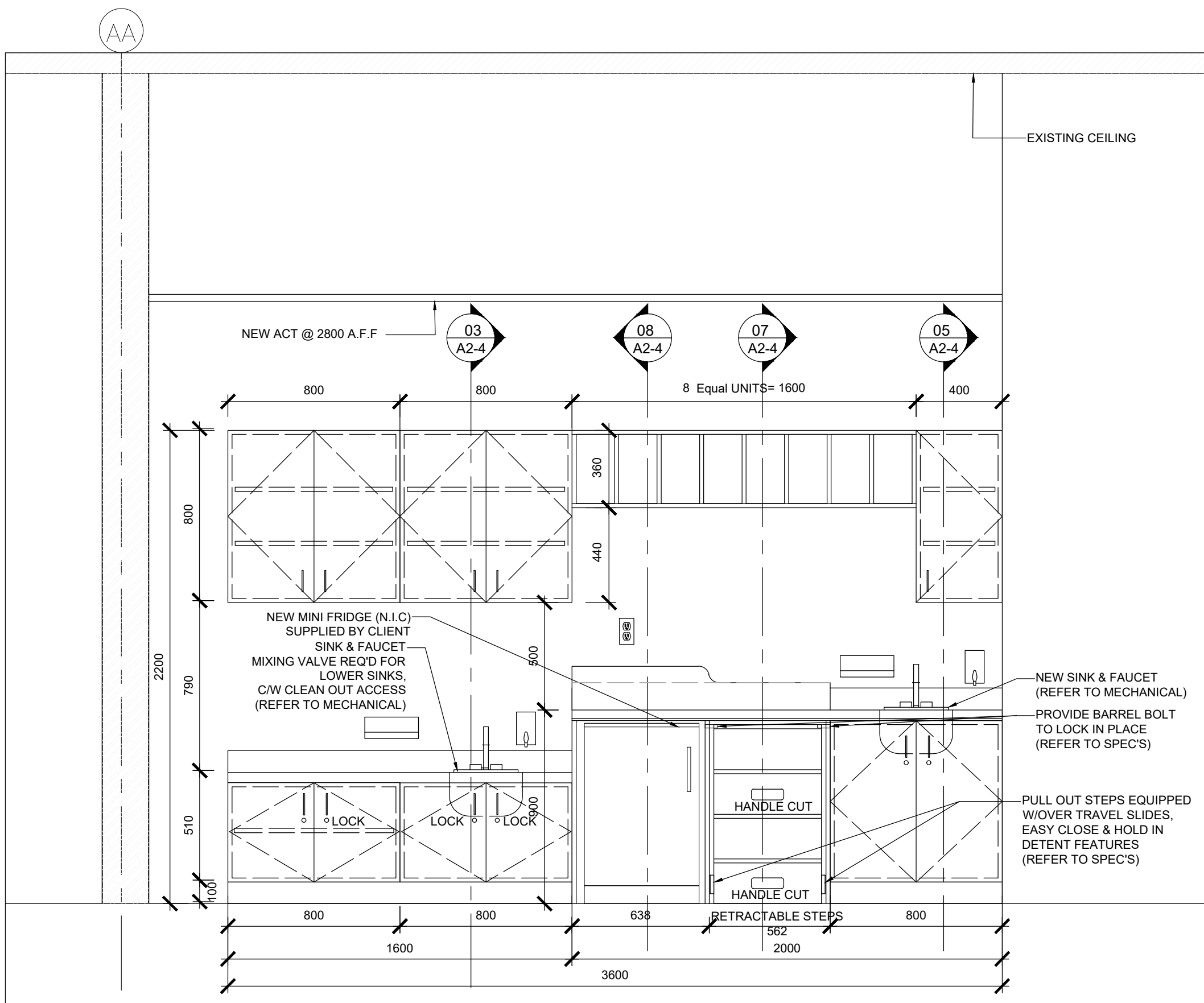
AS NOTED
 MAY 2018
 2017-06



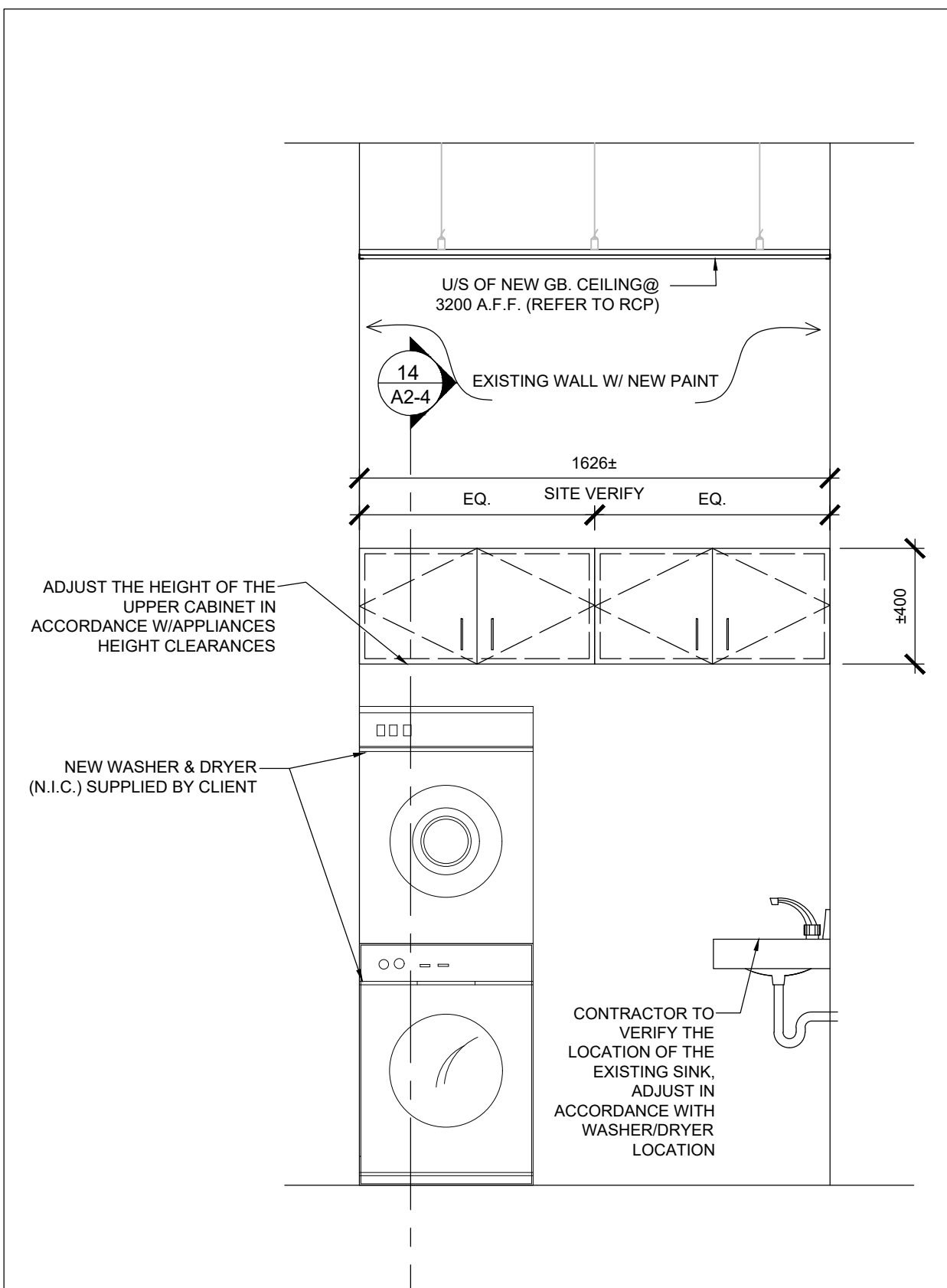
1
A2-3
INTERIOR ELEVATION-KITCHEN
SC. 1:20
ROOM 48



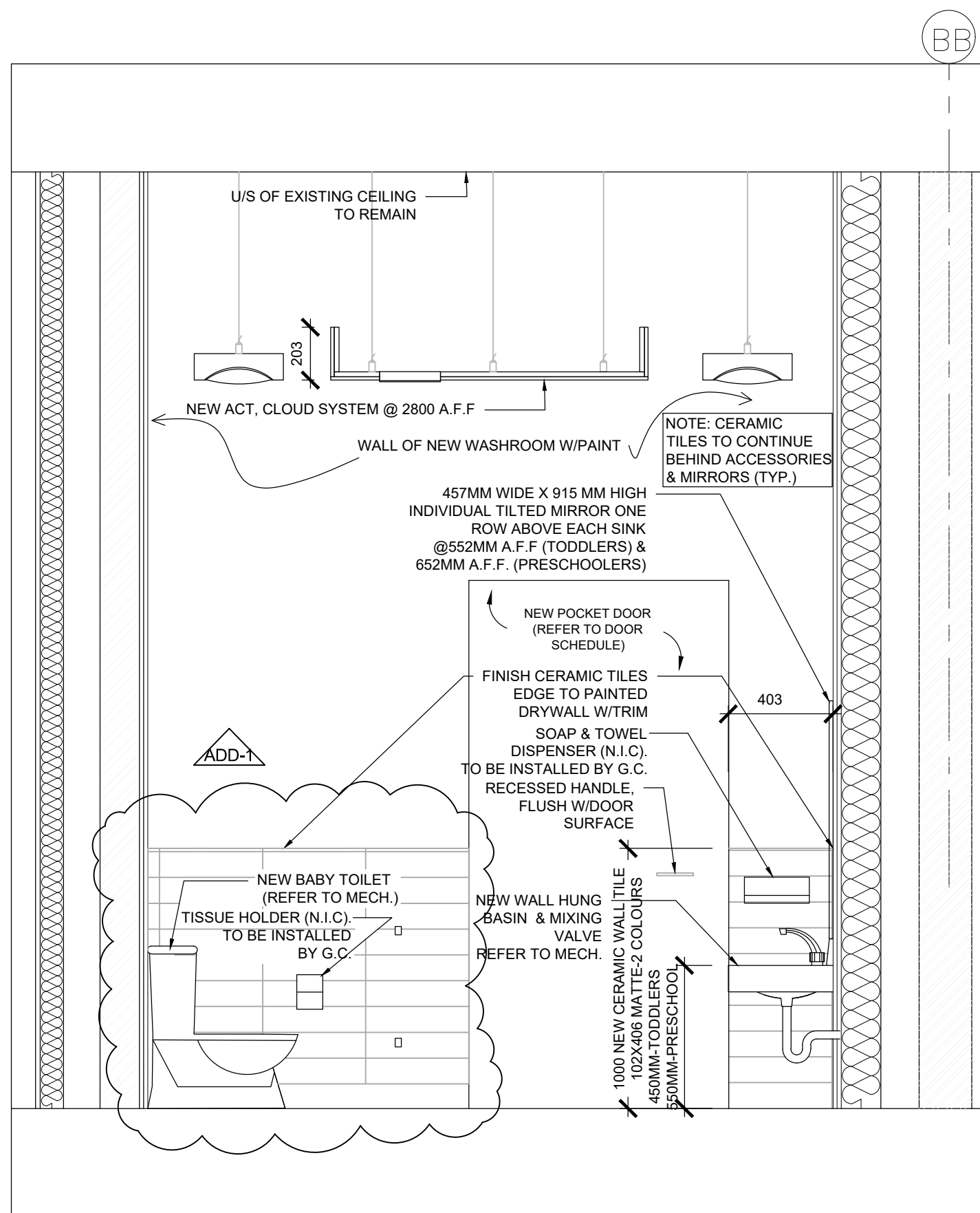
2
A2-3
INTERIOR ELEVATION-KITCHEN
SC. 1:20
ROOM 48



3
A2-3
INTERIOR ELEVATION
SC. 1:20
ROOM 120



4
A2-3
LAUNDRY ELEVATION
SC. 1:20
ROOM 50



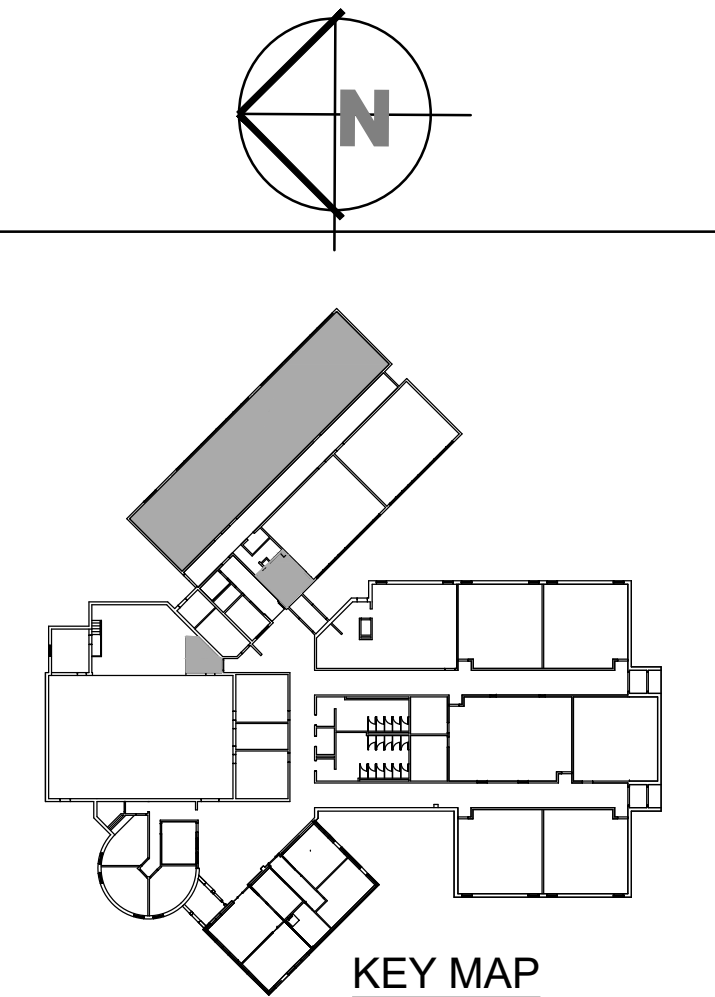
5
A2-3
NEW WASHROOM
SC. 1:20
ROOM 121D

NOTES

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- REPORT ANY DISCREPANCIES, DISCOVERED ERRORS OR OMISSIONS TO THE ARCHITECT BEFORE PROCEEDING
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LEGEND

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- EXISTING WALLS TO REMAIN
- NEW WALLS



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ISSUED FOR 66% DESIGN JUNE 08, 2018



EEC- STE. CROIX DAYCARE
INTERIOR RENOVATIONS
TINY, ON



INTERIOR SECTION/ ELEVATIONS

A2-3

AS NOTED
MAY 2018

2017-06

MAITLAND SPENCER, P. Eng.

STRUCTURAL ENGINEER

899 Vickerman Way, Milton, Ontario, L9T 0K5

(905) 510-1347

e-mail at mait@maitlandspencer.ca

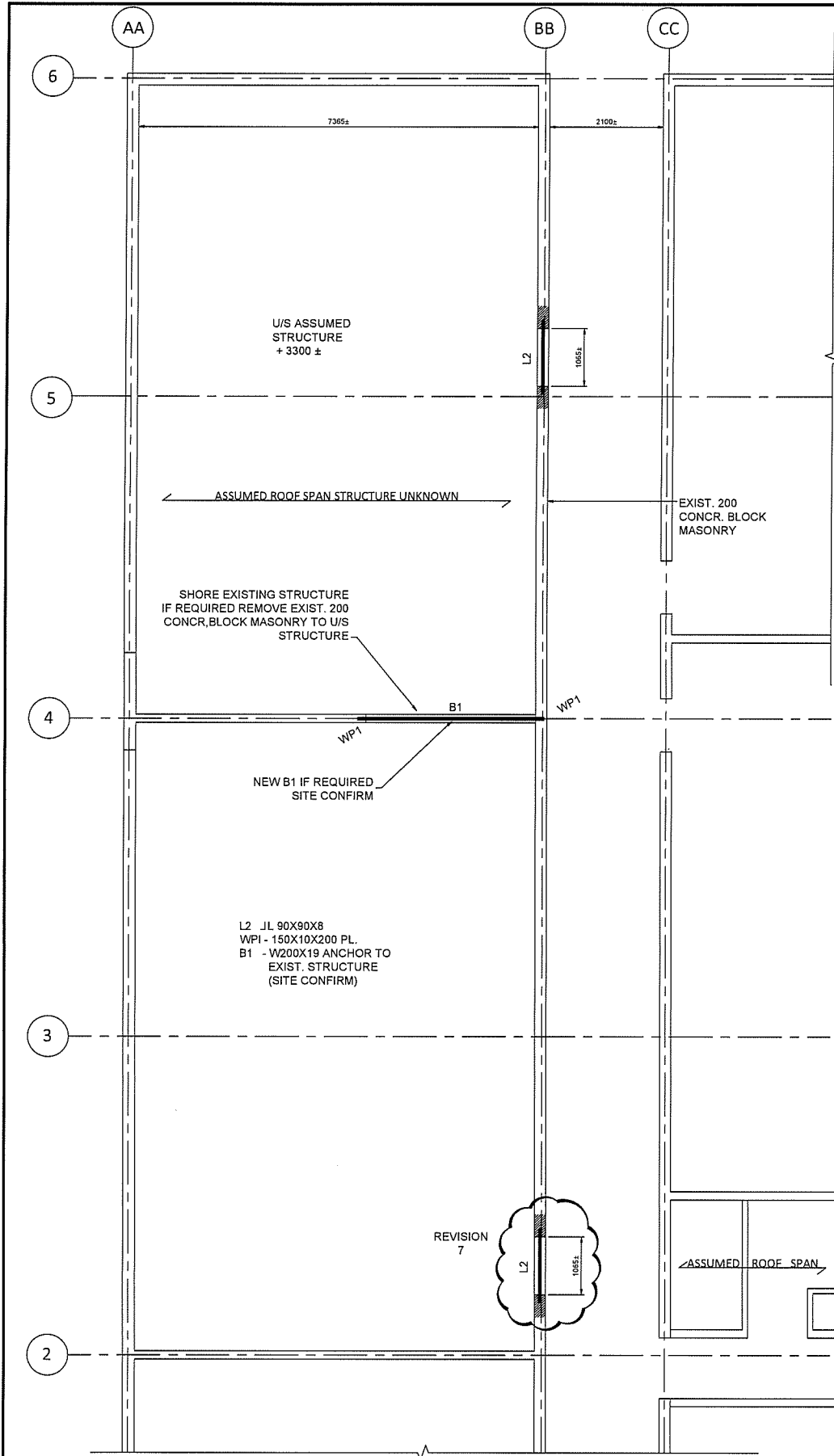
STRUCTURAL ADDENDUM NO. 1 RENOVATIONS TO ECOLE ST. CROIX 351 LAFONTAINE ROAD EAST, TIDY, ONTARIO

January 13, 2021

Project # 18-047

- 1.0 Provide new steel lintel L2 over enlarged doorway to classroom 120 as shown on attached revised drawing S1

End of Structural Addendum No. 1



PART ROOF FRAMING & GROUND FLOOR PLAN
SCALE 1:50

GENERAL NOTES

1. USE ONLY THE LATEST ISSUES OF ANY GOVERNMENT CODES, STANDARDS OR REGULATIONS MENTIONED IN THE FOLLOWING NOTES.
2. STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS ARE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF ONTARIO REGULATION 332/12. ALL CONSTRUCTION SHALL COMPLY WITH THAT SAME CODE.
3. FOR DETAILS AND DIMENSIONS NOT GIVEN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS, VERIFY EQUIPMENT LOCATION AND OPENING SIZE AND LOCATION WITH THE MECHANICAL CONTRACTOR.
4. THE CONTRACTOR HAS THE RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS AND DETAILS AFFECTING THE WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. ALL DETAILS AND DIMENSIONS SHOWN REGARDING THE EXISTING STRUCTURE AND ITS LOCATION RELATIVE TO THE NEW STRUCTURE ARE FOR GUIDANCE ONLY.
6. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS INDICATED ON THESE DRAWINGS.
7. MAKE ADEQUATE PROVISION FOR CONSTRUCTION STRESSES AND FOR SUFFICIENT TEMPORARY BRACING AND SHORING TO KEEP THE STRUCTURE PLUMB AND LEVEL DURING ALL PHASES OF THE WORK. DESIGN, FABRICATION, INSPECTION AND REMOVAL OF TEMPORARY SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. COMPLY WITH THE LATEST SAFETY STANDARDS AND REGULATIONS.
9. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH PART 4 OF DIVISION B OF THE OBC AS HIGH IMPORTANCE BUILDING.
10. DESIGN LOADS: (SERVICE)

ROOF	DEAD LOAD	1.2 kPa ASSUMED
	LIVE LOAD	3.04 kPa (1.15[2.8X0.8+0.4])
		LOAD OF 1.4 kPa OR SNOW DRIFT LOAD

WIND LOADS	
50 YEAR RETURN BASIC	
WIND PRESSURE OF 0.39 kPa	
10 YEAR RETURN BASIC	
WIND PRESSURE OF 0.30 kPa	

EARTHQUAKE	Sa (0.2) = 0.14
	Sa (0.5) = 0.110
	Sa (1.0) = 1.064
	Sa (2.0) = 0.022
	PGA = 0.041
	SOIL CLASSIFICATION "D"
11. LIFT DESIGN LOAD (SERVICE) VERTICAL LOAD ON CONCR. PAD 14.2 kN. HORIZONTAL LOAD AT MAST CONNECTIONS 2.1 kN (4 LOCATIONS).

STRUCTURAL STEEL

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO CSA STANDARD CAN3-S16-09.
2. ALL STRUCTURAL STEEL IS TO BE IN ACCORDANCE WITH CSA STANDARD G40.20/G40.21-M52. HOLLOW STRUCTURAL SECTION ARE TO BE GRADE 350W, CLASS H, WIDE FLANGE BEAMS ARE TO BE GRADE 350W ALL OTHER STEEL IS TO BE GRADE 300W.
3. ALL BOLTS ARE TO BE HIGH TENSILE STEEL CONFORMING TO ASTM A325. USE BEARING TYPE CONNECTION (MINIMUM TWO M20 BOLTS PER CONNECTION) UNLESS NOTED OTHERWISE.
4. FOR ANCHOR BOLTS, USE ASTM GRADE A307.
5. ALL ARC WELDING WORK MUST BE DONE IN ACCORDANCE WITH CSA STANDARD W59-M1989 AND MUST BE UNDERTAKEN BY A FABRICATOR CERTIFIED TO CSA STANDARD W47.1-92.
6. ALL STEEL IS TO BE PRIME PAINTED IN ACCORDANCE WITH CISC/CPMA STANDARD 2-75 UNLESS NOTED TO BE GALVANIZED. TOUCH UP ALL WELDS AND BOLTED AREAS SUBSEQUENT TO ERECTION.
7. PROVIDE ALL REQUIRED GUSSETS, SPACERS, FILLERS AND BATTEN PLATES AND TRUSSES.
8. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. THE ENGINEER REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ENSURING THE SHOP DRAWINGS CONFORM TO THE DRAWINGS.
9. MAKE NO HOLES IN ANY STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON THE REVIEWED SHOP DRAWINGS WITHOUT PRIOR APPROVAL BY THE ENGINEER.
10. PROVIDE 150mm BEARING LENGTH EACH SIDE ON SOLID MASONRY FOR LINTELS, UNLESS NOTED.

CONCRETE

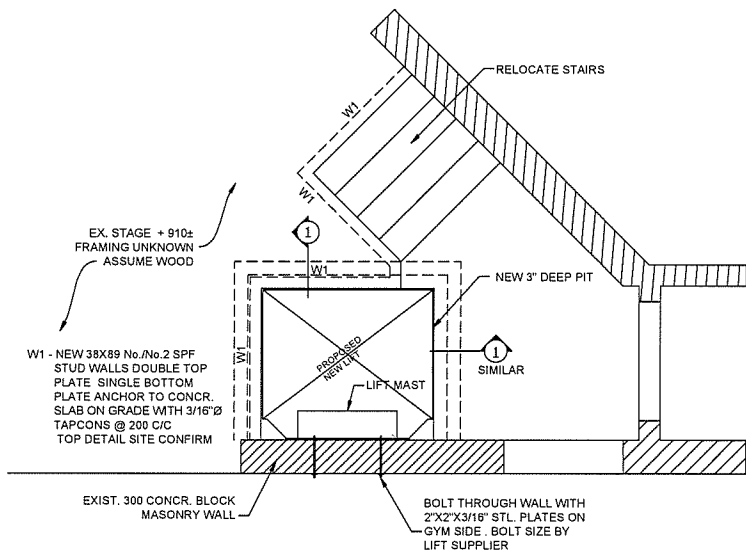
1. CONFORM TO THE REQUIREMENTS OF CSA STANDARD A23.1-09 FOR ALL SUPPLY, PLACING, CURING, FORMING AND TEMPERATURE PROTECTION OF CONCRETE WORK.
2. ALL CONCRETE IS TO BE NORMAL DENSITY WITH A MAXIMUM SLUMP OF 100mm (4 INCHES). CEMENT IS TO BE TYPE 10.
3. ALL CONCRETE IS TO HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25 MPa.
4. REINFORCING STEEL SHALL BE NEW BILLET DEFORMED BAR CONFORMING TO CSA STANDARD G30.18-M92. GRADE 400.
5. GROUT WHERE REQUIRED IS TO BE NON-SHRINK TYPE SUCH AS W.R. MEADOWS SEALTIGHT GS-86.
6. REINFORCING STEEL IS TO BE DETAILED AND BENT AS OUTLINED IN THE REINFORCING STEEL MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF ONTARIO.
7. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW PRIOR TO FABRICATION.

MASONRY

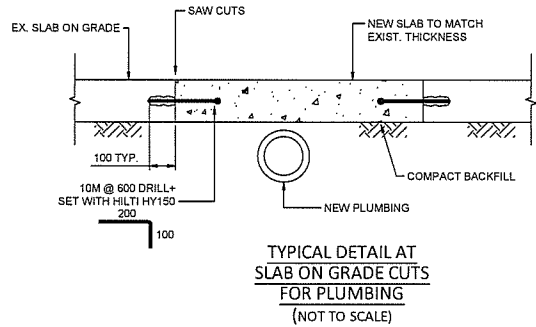
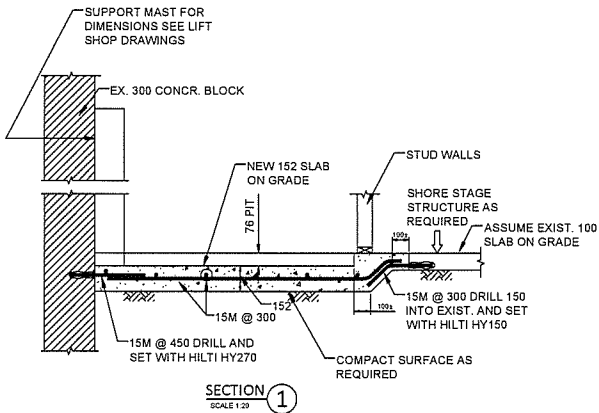
1. THE MINIMUM STRENGTH OF HOLLOW LOAD-BEARING CONCRETE BLOCK ON THE NET AREA IS TO BE 15.0 MPa.
2. USE TYPE 'S' MORTAR CONFORMING TO CSA STANDARD A179-04 FOR ALL LOAD BEARING WALLS.

ABBREVIATIONS:

ARCH.	- ARCHITECTURAL (DRAWINGS)	LLH	- LONG LEG HORIZONTAL
BLK	- BLOCK	LLV	- LONG LEG VERTICAL
BL	- BOTTOM LOWER LAYER	MAX.	- MAXIMUM
BM	- BEAM	MECH.	- MECHANICAL
BOT.	- BOTTOM	MIN.	- MINIMUM
BUL	- BOTTOM UPPER LAYER	INTS	- NOT TO SCALE
CONCR.	- CONCRETE	Ø	- DIAMETER
CONT.	- CONTINUOUS	O.F.	- OUTSIDE FACE
C/P	- CENTRE TO CENTRE	CWSJ	- OPEN WEB STEEL JOIST
DWGS.	- DRAWINGS	R	- PLATE
E.F.	- EACH FACE	REINF.	- REINFORCING
ELEV.	- ELEVATION	S.R.	- SOLID ROUND
E.S.	- EACH SIDE	STD.	- STANDARD
EX. OR EXIST.	- EXISTING	STL	- STEEL
FDN.	- FOUNDATION	T & B	- TOP AND BOTTOM
FIN.	- FINISH	T & G	- TONGUE AND GROOVE
FLR.	- FLOOR	TYP.	- TYPICAL
FT.	- FOOT	U/S	- UNDERSIDE
GALV.	- GALVANIZED	V.M.O.	- UNLESS NOTED OTHERWISE
HOR. OR HORIZ.	- HORIZONTAL	VERT.	- VERTICAL
H.O.F.	- HORIZONTAL OUTSIDE FACE	V.O.F.	- VERTICAL OUTSIDE FACE
H.I.F.	- HORIZONTAL INSIDE FACE	V.I.F.	- VERTICAL INSIDE FACE
H.E.F.	- HORIZONTAL EACH FACE	V.E.F.	- VERTICAL EACH FACE
I.F.	- INSIDE FACE	W/	- WITH
		WT.	- WEIGHT



GYMNASIUM STAGE 104B PART FRAMING AND FOUNDATION PLAN
SCALE 1:30



7	STRUCTURAL ADDENDUM 1	13 JAN 2021
6	ISSUED FOR TENDER	11 JAN 2021
5	ISSUED FOR PERMIT & TENDER	25 FEB 2020
4	DELETE ONE L2	27 OCT 2019
3	DELETE L3	25 OCT 2019
2	ISSUED FOR TENDER AND PERMIT	05 JUL 2018
1	ISSUED FOR REVIEW	22 MAY 2018

No.	REVISIONS	DATE



MAITLAND SPENCER, P.ENG.
Structural Engineer
899 VICKERMAN WAY, MILTON, ONTARIO L9T 0K5
(905) 510-1347 Email: MAIT@MAITLANDSPENCER.CA

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORK.
DO NOT SCALE DRAWINGS
THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT PERMISSION.
THE DRAWING IS TO BE USED ONLY FOR THE SPECIFIED PROJECT.
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ENGINEER.

PROJECT
RENOVATIONS TO ECOLE ST.CROIX
351 LAFONTAINE ROAD W.
TIDY, ONTARIO

DRAWING TITLE
PARTIAL ROOF FRAMING AND GROUND FLOOR PLAN, DETAILS AND GENERAL NOTES

SCALE
1/16"=1'-0"
Notes: Posted drawings are reduced and are not to scale.

DATE	22 MAY 2018	PLOTTED DATE	22 MAY 2018
CHECKED	M. SPENCER	DRAWN	GDA
PROJECT NUMBER	18-047	DRAWING NUMBER	S1

Feb 01, 2021

**St. Croix Day Care
Interior Renovations
Tony, ON**

**REGAL CONSULTING ENGINEERS INC.
2359 Royal Windsor Drive, Suite 201
Mississauga, ON L5J 4S9
Phone: 905-855-3010**

This addendum forms part of the contract documents and amends the original bidding requirements, drawings and specifications, as noted below.

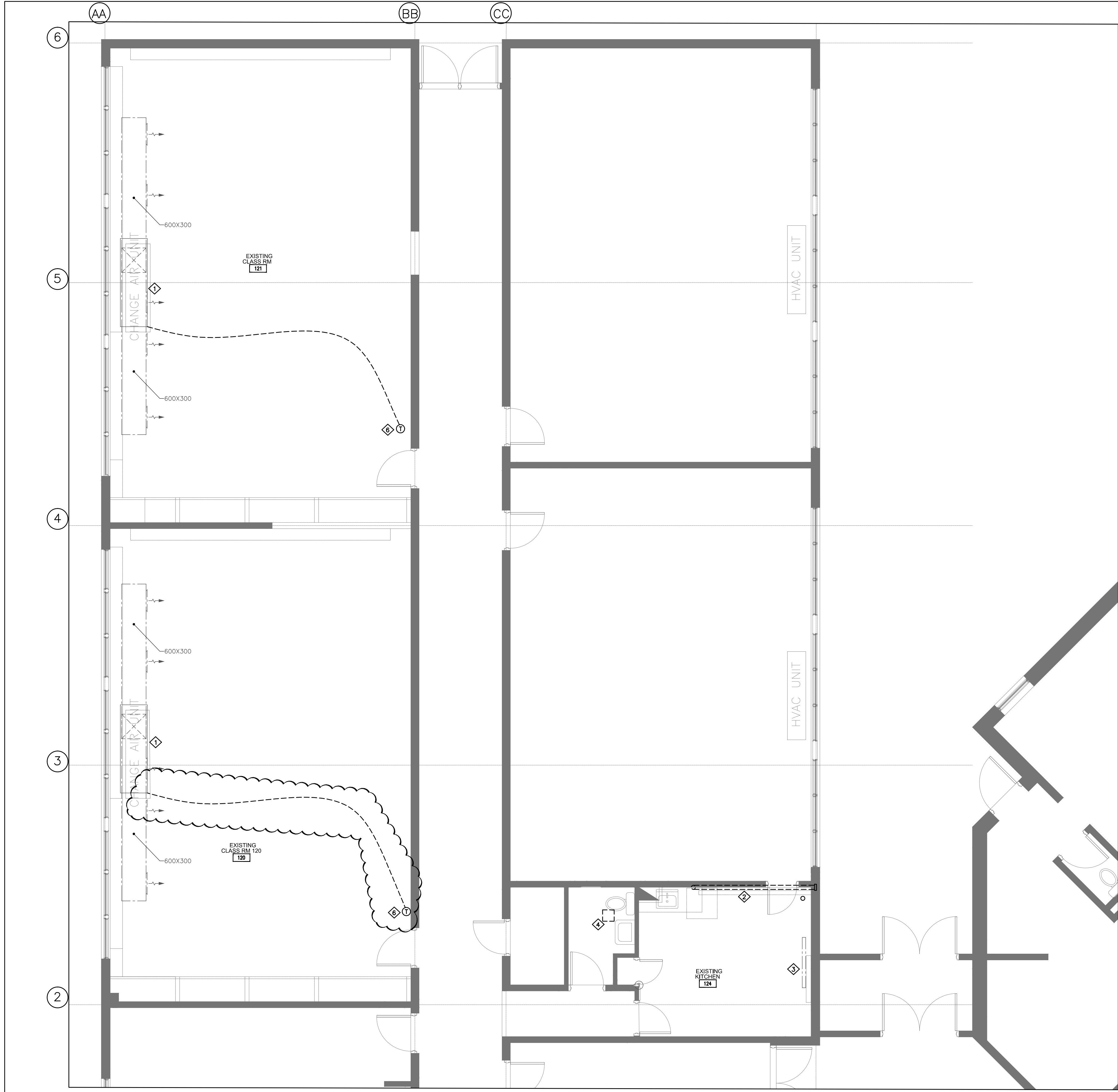
MECHANICAL

Refer to attached mechanical sketches M2.0D-A-1 & M3.0-A-1, location of the thermostat revised as shown in the mechanical sketches.

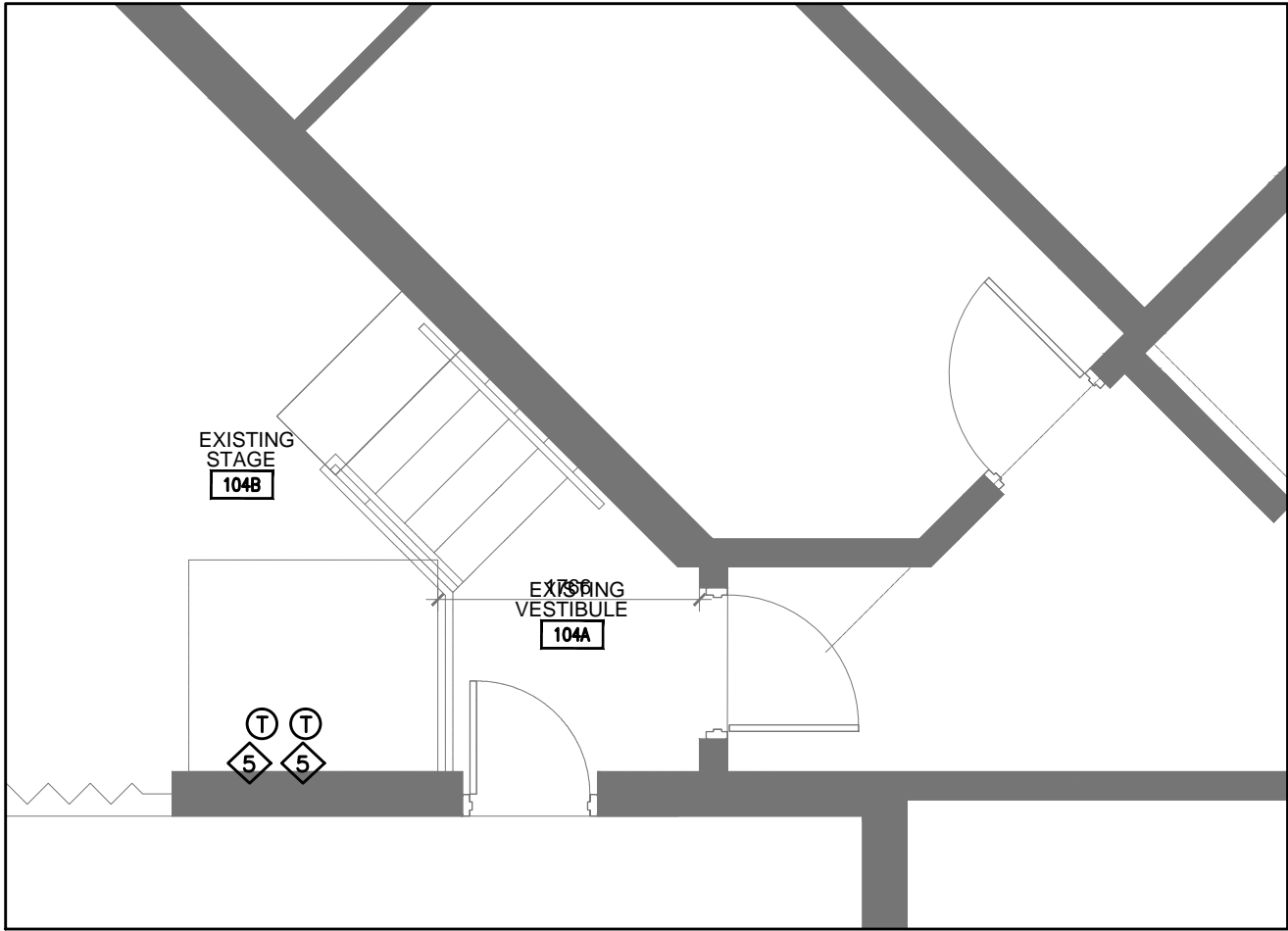
ELECTRICAL

1. Refer to attached electrical sketch E3.0-A-1, changes are shown as clouded in the attached electrical sketch.
2. Refer to attached electrical sketch E4.0-A-1, Changes are shown as clouded in the attached electrical sketch.
3. Refer to additional electrical drawings E6.0, Intercom specifications added.
4. All fire alarm work related to this project shall be done by the base building fire alarm contractor through cash allowance, electrical contractor shall as part of the contract provide and install 21mm conduit for all the fire alarm device shown on the electrical drawings.
5. All Security card access work and integration with the intercom shall be done by the base building Security card access contractor through cash allowance, electrical contractor as part of contract shall provide and install 21mm conduit for all the security devices shown on the electrical drawings.

END OF ADDENDUM ME-1

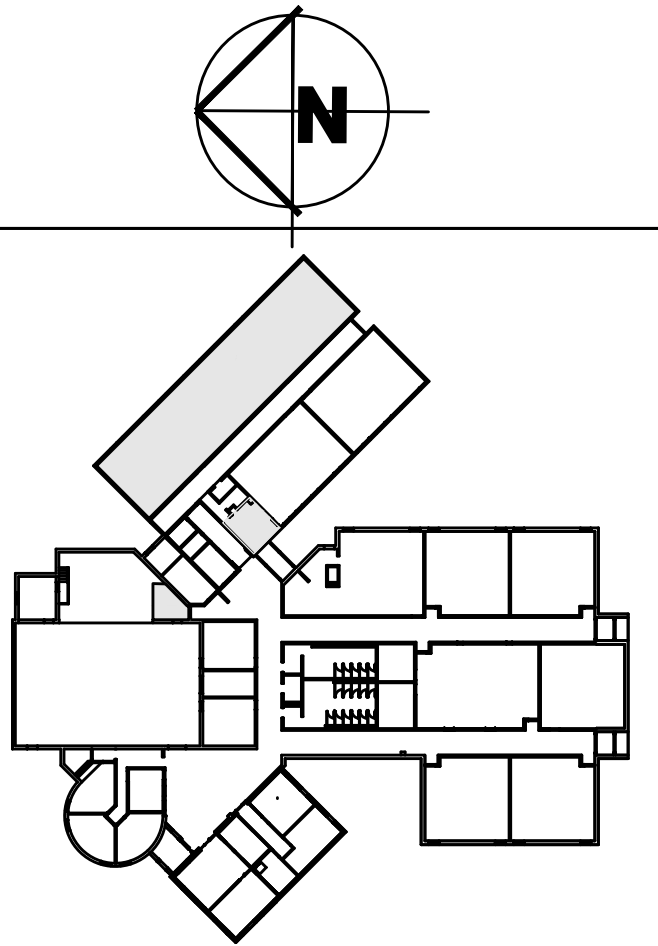


DRAWING NOTES	
1	EXISTING UNIT VENTILATOR AND ASSOCIATED DUCT WORK AND TEMPERATURE SENSOR TO REMAIN.
2	EXISTING DRYER EXHAUST DUCT TO BE REMOVED. CAP THE VENT ON THE WALL WITH R20 INSULATED PANEL BOARD.
3	EXISTING WALL FIN AND ASSOCIATED THERMOSTAT TO REMAIN.
4	EXISTING EXHAUST FAN, ASSOCIATED DUCT AND GOOSENECK ABOVE ROOF TO BE REMOVED. THE EXISTING ROOF CURB TO BE MODIFIED AS REQUIRED TO INSTALL NEW DRYER EXHAUST DUCT AND NEW GOOSENECK.
5	EXISTING TEMPERATURE SENSORS TO BE REMOVED AND RELOCATED TO PROVIDE ENOUGH SPACE TO INSTALL THE NEW LIFT. COORDINATED WITH OTHER TRADES TO CONFIRM THE EXACT NEW LOCATIONS ON SITE.
6	EXISTING THERMOSTAT TO BE REMOVED AND RELOCATED TO NEW LOCATIONS.



2 DEMOLITION LAYOUT
M2.0D-A-1 1:50 STAGE, WHEELCHAIR LIFT AND B.F. DOORS

1 DEMOLITION LAYOUT
M2.0D-A-1 1:50 CLASS ROOMS 120 & 121, KITCHEN



KEY MAP

ISSUED FOR ADDENDUM ME-1 FEB 01, 2021



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
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www.rcei-inc.com

EEC- STE. CROIX DAYCARE
INTERIOR RENOVATIONS
TINY, ON

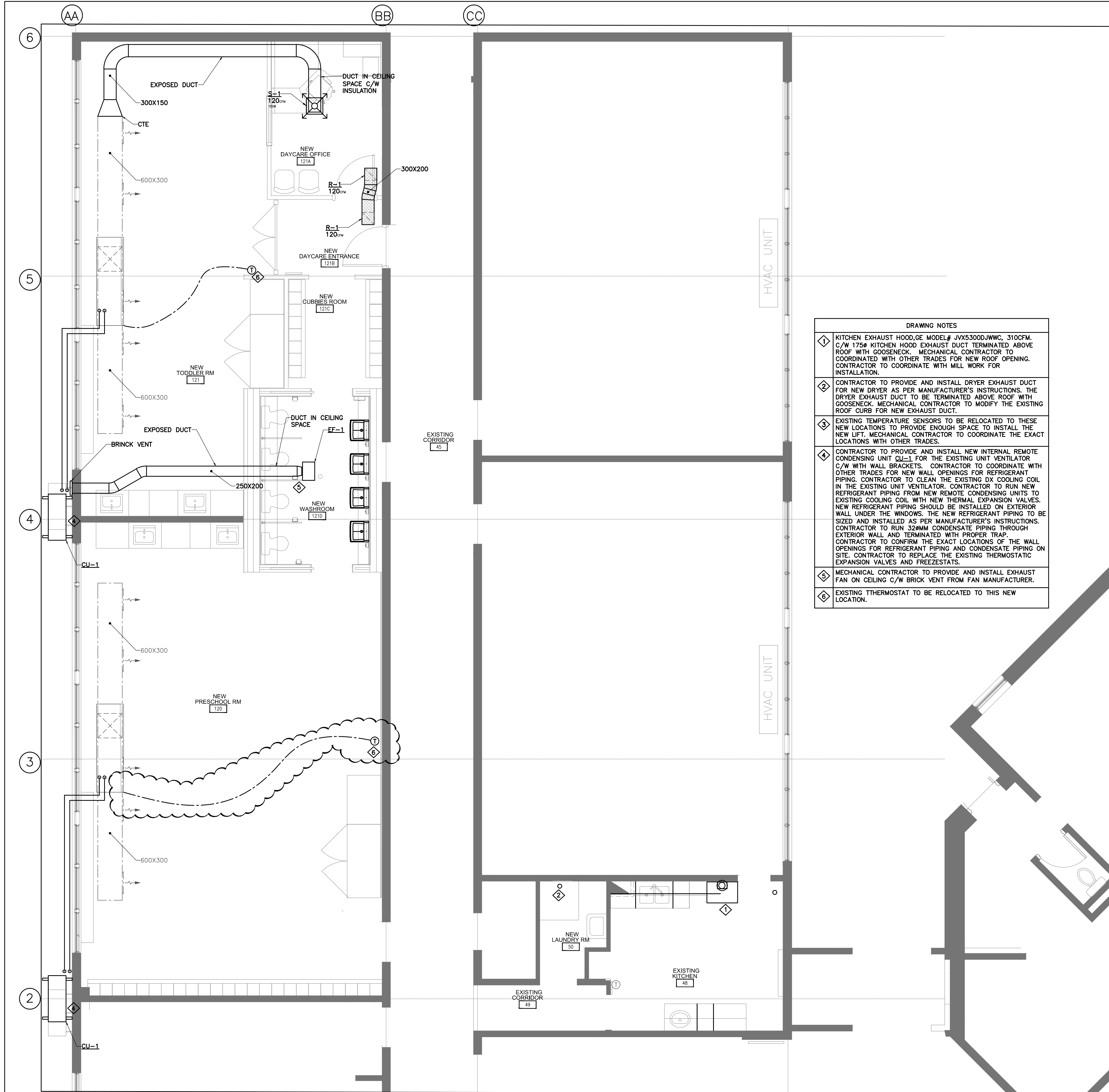


CONSEIL SCOLAIRE CATHOLIQUE MONAvenir
110 DREWRY AVENUE
TORONTO, ON

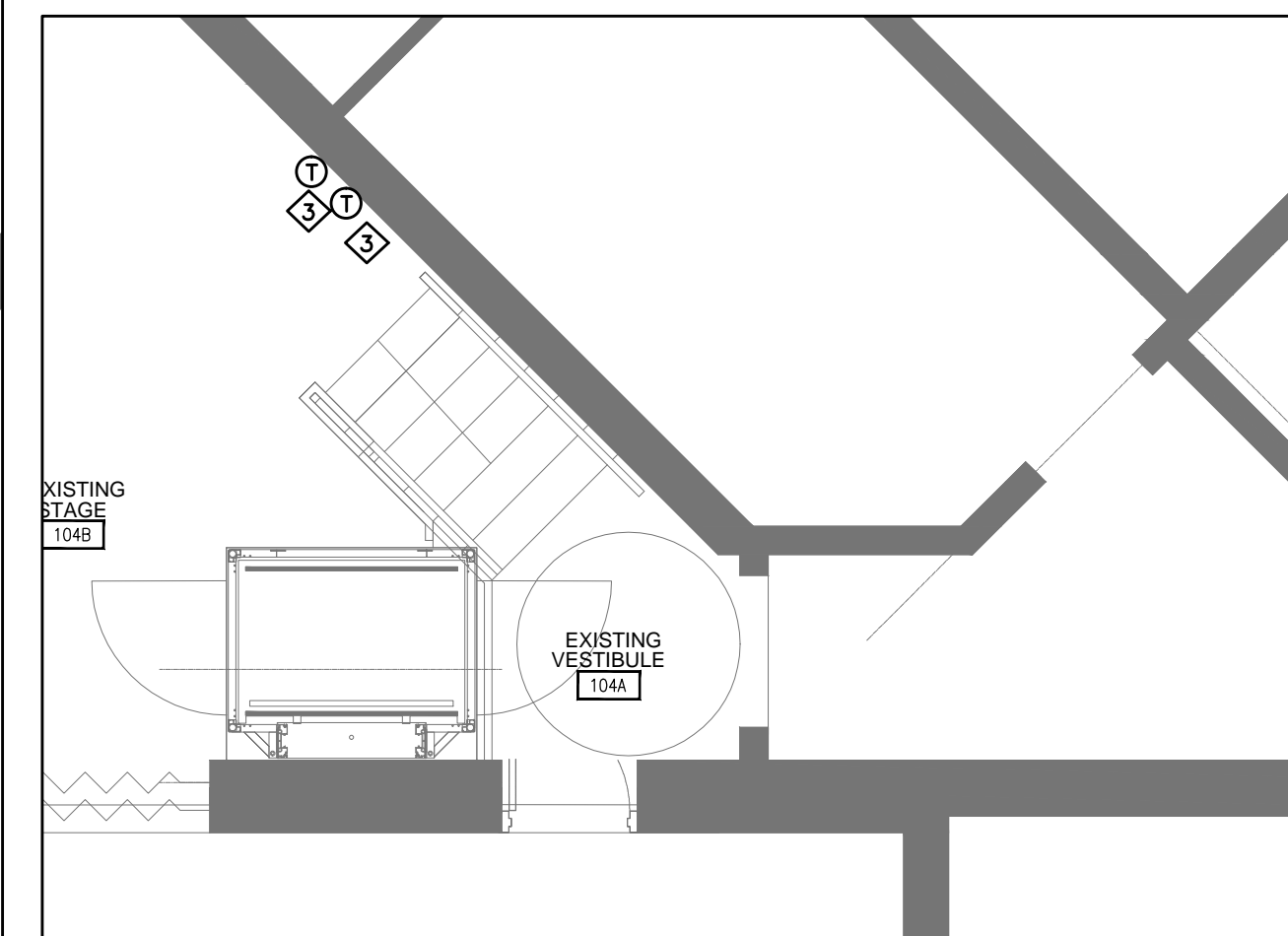
DEMOLITION HVAC FLOOR PLAN

M2.0D-A-1

AS NOTED
MAY 2018
2018-252

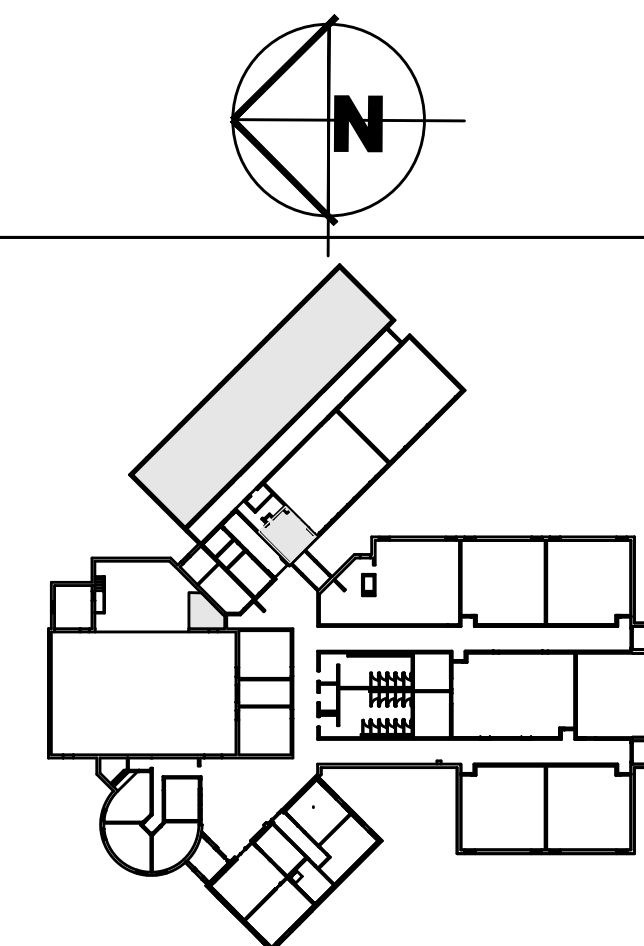


- | DRAWING NOTES | |
|---------------|---|
| 1 | KITCHEN EXHAUST HOOD, GE MODEL# JYX5300DJWWC, 310CFM. C/W 175# KITCHEN HOOD EXHAUST DUCT TERMINATED ABOVE ROOF WITH GOOSENECK. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR NEW ROOF OPENING. CONTRACTOR TO COORDINATE WITH MILL WORK FOR INSTALLATION. |
| 2 | CONTRACTOR TO PROVIDE AND INSTALL DRYER EXHAUST DUCT FOR NEW DRYER AS PER MANUFACTURER'S INSTRUCTIONS. THE DRYER EXHAUST DUCT TO BE TERMINATED ABOVE ROOF WITH GOOSENECK. MECHANICAL CONTRACTOR TO MODIFY THE EXISTING ROOF CURB FOR NEW EXHAUST DUCT. |
| 3 | EXISTING TEMPERATURE SENSORS TO BE RELOCATED TO THESE NEW LOCATIONS TO PROVIDE ENOUGH SPACE TO INSTALL THE NEW LIFT. MECHANICAL CONTRACTOR TO COORDINATE THE EXACT LOCATIONS WITH OTHER TRADES. |
| 4 | CONTRACTOR TO PROVIDE AND INSTALL NEW INTERNAL REMOTE CONDENSING UNIT CU-1 FOR THE EXISTING UNIT VENTILATOR C/W WITH WALL BRACKETS. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR NEW WALL OPENINGS FOR REFRIGERANT PIPING. CONTRACTOR TO CLEAN THE EXISTING DX COOLING COIL IN THE EXISTING UNIT VENTILATOR. CONTRACTOR TO RUN NEW REFRIGERANT PIPING FROM NEW REMOTE CONDENSING UNITS TO EXISTING COOLING COIL WITH NEW THERMAL EXPANSION VALVES. NEW REFRIGERANT PIPING SHOULD BE INSTALLED ON EXTERIOR WALL UNDER THE WINDOWS. THE NEW REFRIGERANT PIPING TO BE SIZED AND INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO RUN 32MM CONDENSATE PIPING THROUGH EXTERIOR WALL AND TERMINATED WITH PROPER TRAP. CONTRACTOR TO CONFIRM THE EXACT LOCATIONS OF THE WALL OPENINGS FOR REFRIGERANT PIPING AND CONDENSATE PIPING ON SITE. CONTRACTOR TO REPLACE THE EXISTING THERMOSTATIC EXPANSION VALVES AND FREEZESTATS. |
| 5 | MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL EXHAUST FAN ON CEILING C/W BRICK VENT FROM FAN MANUFACTURER. |
| 6 | EXISTING THERMOSTAT TO BE RELOCATED TO THIS NEW LOCATION. |



2 NEW HVAC LAYOUT
M3.0-A-1 SC. 1:50 STAGE, WHEELCHAIR LIFT AND B.F. DOORS

1 NEW HVAC LAYOUT
M3.0-A-1 SC. 1:50 CLASS ROOMS 120 & 121, KITCHEN



KEY MAP

ISSUED FOR ADDENDUM ME-1 FEB 01, 2021



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INTERIOR RENOVATIONS
TINY, ON

MonAvenir
CONSEIL SCOLAIRE CATHOLIQUE
CONSEIL SCOLAIRE CATHOLIQUE MONAVENIR
110 DREWRY AVENUE
TORONTO, ON

NEW HVAC FLOOR PLAN

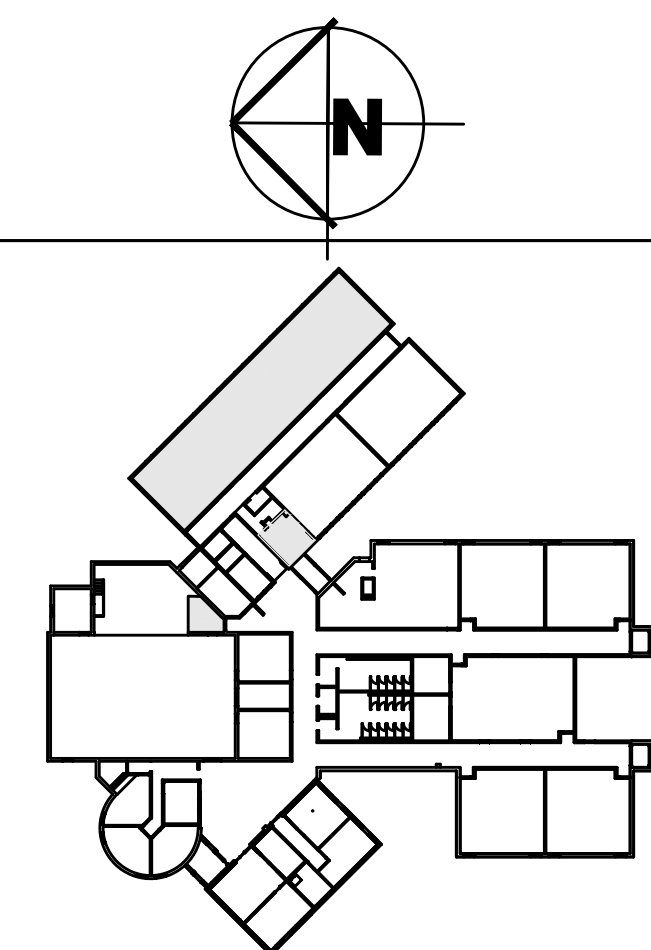
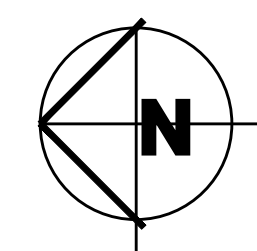
M3.0-A-1

AS NOTED
MAY 2018

2018-252



- NOTES:**
1. ALL RECEPTACLES TO BE TEMPER RESISTANT UNLESS NOTED OTHERWISE.
 2. FOR EXACT LOCATION & HEIGHT OF ALL POWER OUTLET & DATA OUTLETS REFER TO ARCHITECTURAL DRAWINGS.
 3. EXISTING OUTLETS, CONTROL PANEL, ETC.
 4. ALL COMMUNICATION CABLES TO BE CAT6E.
 5. ALL PHONE/DATA OUTLETS TO BE TAMPER-RESISTANT.
 6. CONTRACTOR TO INSTALL WIRELESS ACCESS POINT ABOVE CEILING.
 7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TRANSFORMER 110V/240V FOR POWER REQUIREMENTS OF THE SECURITY SYSTEM.



KEY MAP

ISSUED FOR ADDENDUM ME-1 FEB 01, 2021



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INTERIOR RENOVATIONS
TINY, ON



CONSEIL SCOLAIRE CATHOLIQUE MONAvenir
110 DREWRY AVENUE
TORONTO, ON

PROPOSED POWER FLOOR
PLAN

E3.0-A-1

AS NOTED

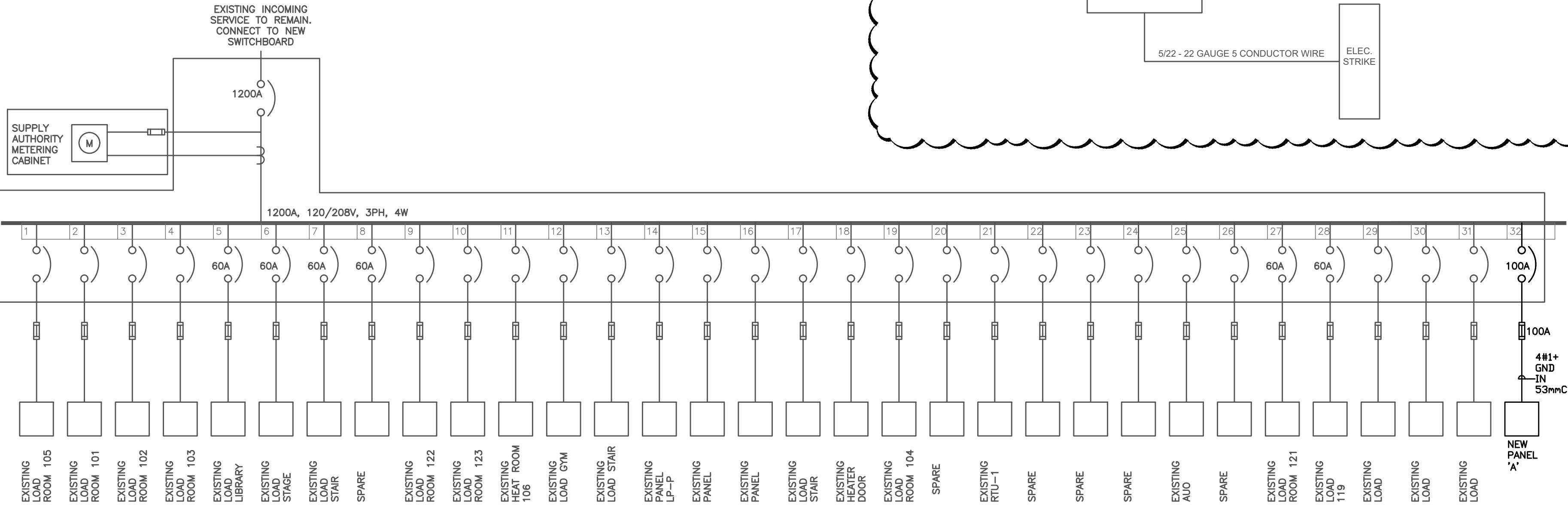
MAY 2018

2018-252

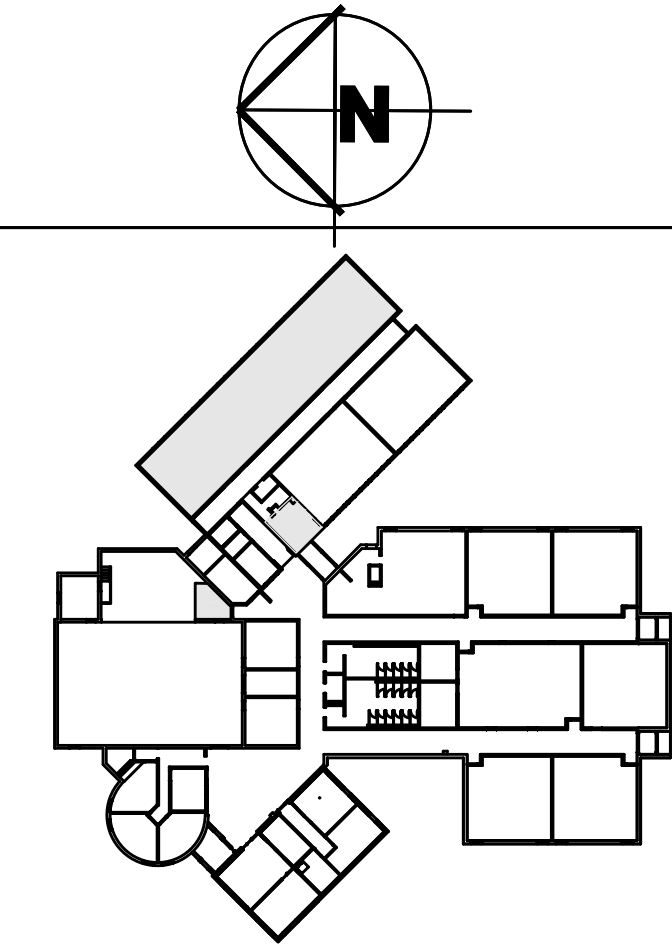
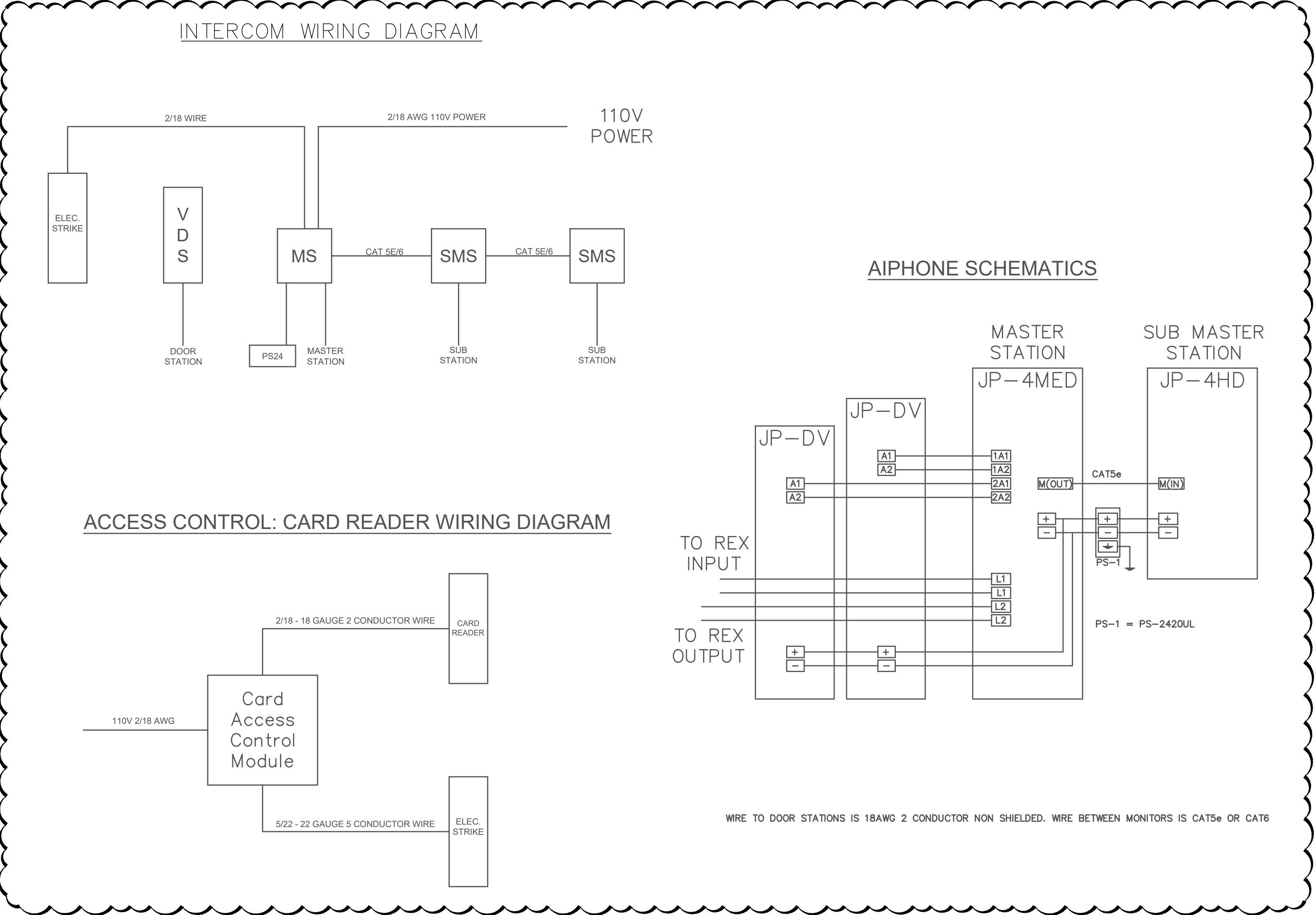
ELECTRICAL PANEL:
120/208V-3ø-60HZ,
100 AMP MAIN BREAKER

NEW PANELBOARD A SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE A B C	CR NO	BUS ABC	CR NO	WATTS PER PHASE A B C	BRKR SIZE (A)	DESCRIPTION
EMERGENCY LIGHT/EXIT SIGN (**)	15		01		02		15	LIGHTING
ES/CR	20		03		04		15	
	20		05		06		15	LIFT RECEPTACLE *
ES/CR	20		07		08		15	STAGE LIFT CONTROLLER
STAGE LIGHT	15		09		10		20	LIFT
	20		11		12		20	
WASHER (*)	20		13		14		20	
RANGE HOOD	15		15		16		2P	
DISHWASHER	40		17		18		40	COOKING RANGE
	2P		19		20		2P	
RECEPTACLE (*)	20		21		22		20	FRIDGE
RECEPTACLE (*)	20		23		24		20	RECEPTACLE
RECEPTACLE (*)	20		25		26		20	RECEPTACLE
RECEPTACLE	20		27		28		20	RECEPTACLE
RECEPTACLE	20		29		30		20	RECEPTACLE
RECEPTACLE (*)	20		31		32		20	RECEPTACLE
EF-1	15		33		34		30	
AIPHONE SYSTEM(VDS)	15		35		36		2P	CU-1
EMERGENCY LIGHT/EXIT SIGN (**)	15		37		38		30	CU-1
			39		40		2P	
SECURITY CONTROL PANEL	15		41		42			
			43		44		15	AIPhone System (MS)
			45		46			
			47		48			
			49		50			
			51		52			
			53		54			
			55		56			
			57		58			
			59		60			
			61		62			
			63		64			
			65		66			
(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER								
(**) C/W LOCK-OFF DEVICES								
(***) ARC-FAULT INTERRUPTER CIRCUIT BREAKER								



SINGLE LINE DIAGRAM



ISSUED FOR ADDENDUM ME-1 FEB 01, 2021



EEC- STE. CROIX DAYCARE
INTERIOR RENOVATIONS
TINY, ON

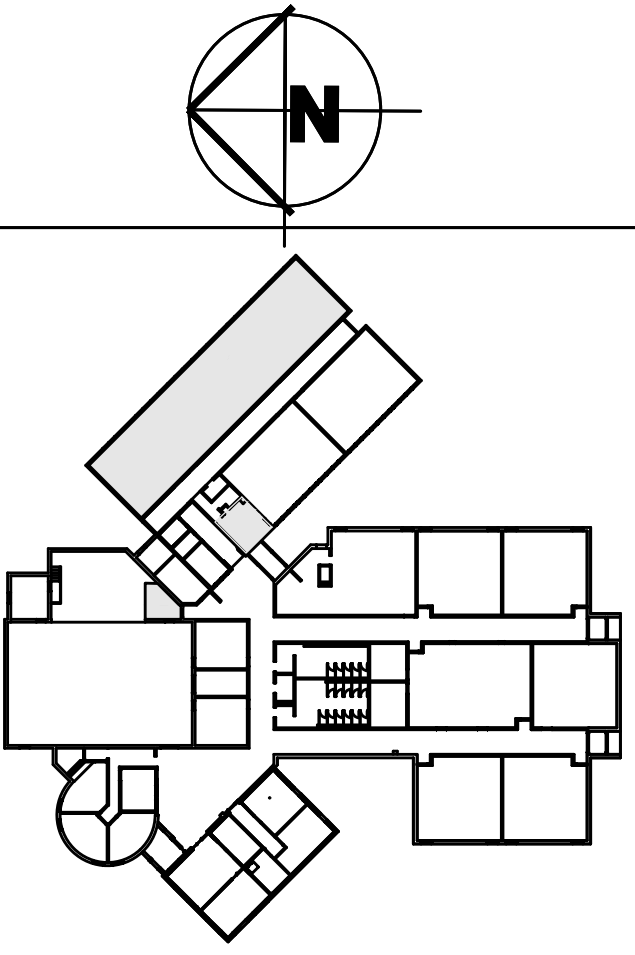




ELECTRICAL SCHEDULES & SLD

E4.0-A-1

AS NOTED
MAY 2018
2018-252

SYSTEM DESCRIPTION			SYSTEM FUNCTIONS PROPERLY.														
A. THE JP SERIES SHALL PROVIDE A LARGE 7-INCH (180 MM) TOUCH SCREEN MONITOR FOR CLEAR VISITOR IDENTIFICATION AND EASY OPERATION CONTROL. THE JP SERIES SHALL BE INSTALLED AT A MAXIMUM OF 4 DOOR LOCATIONS AND CONNECTED TO A MAXIMUM OF 8 INSIDE LOCATIONS WITH INTERNAL COMMUNICATION BETWEEN STATIONS. CONNECTION TO AND INTEGRATION OF CCTV CAMERAS FOR SURVEILLANCE CAPABILITIES SHALL BE AVAILABLE. 1. THE SYSTEM SHALL BE HARD WIRED AND CONSTRUCTED WITH A 2-WIRE COMMUNICATION SYSTEM FOR THE DOOR STATIONS AND A CAT5E/6 COMMUNICATION SYSTEM FOR THE VIDEO LOCATIONS SYSTEM. 2. HEARING ASSISTANCE: PROVIDE T-COIL CONNECTION FOR HEARING AIDS.	B. INSTALLER QUALIFICATIONS: FACTORY TRAINED AND EXPERIENCED WITH SYSTEM INSTALLATIONS OF SCOPE AND SIZE REQUIRED FOR THE PROJECT. C. MOCK-UP: PROVIDE A MOCK-UP FOR EVALUATION OF SURFACE PREPARATION TECHNIQUES AND APPLICATION WORKMANSHIP. 1. FINISH AREAS DESIGNATED BY ARCHITECT. 2. DO NOT PROCEED WITH REMAINING WORK UNTIL WORKMANSHIP IS APPROVED BY ARCHITECT. 3. REFINISH MOCK-UP AREA AS REQUIRED TO PRODUCE ACCEPTABLE WORK.	b. OVERSIZED BUTTONS AND INTUITIVE ICONS ALLOW FOR QUICK NAVIGATION AND CONTROL. CONVENTIONAL PUSH BUTTONS SHALL NOT BE PERMITTED. c. EQUIPPED WITH AN ADVANCED LIGHT ADJUSTMENT FEATURE TO COMPENSATE FOR VARYING LIGHT LEVELS. IF A PICTURE IS TOO DARK, INCREASE OF THE BRIGHTNESS LEVEL AT THE DOOR STATION SHALL BE CONTROLLED AT THE MASTER STATION. 6. RECORD IMAGES OF VISITORS: a. AFTER A CALL IS PLACED, THE JP SERIES RECORDS 6 IMAGES PER CALL TO INTERNAL MEMORY. b. PROVIDE AN SD / SDHC CARD (NOT INCLUDED) AS THE PRIMARY STORAGE LOCATION, WITH WHICH RECORDING FREQUENCY INCREASES TO 4 PICTURES PER SECOND FOR UP TO 10 SECONDS PER CALL. c. PROVIDE DOCUMENTATION OF OUTSIDE DISTURBANCES BY MANUALLY RECORDING THEM AT ANY TIME.	2. PERFORM DEMONSTRATION AT FINAL SYSTEM INSPECTION BY QUALIFIED REPRESENTATIVE OF MANUFACTURER.														
			INSTRUCTION AND TRAINING: 1. PROVIDE INSTRUCTION AND TRAINING OF OWNER'S PERSONNEL AS REQUIRED FOR OPERATION OF INTEGRATED SECURITY AND COMMUNICATION SYSTEM. 2. PROVIDE HANDS-ON DEMONSTRATION OF OPERATION OF SYSTEM COMPONENTS AND COMPLETE SYSTEM, INCLUDING USER-LEVEL PROGRAM CHANGES AND FUNCTIONS. 3. PROVIDE INSTRUCTION AND TRAINING BY QUALIFIED REPRESENTATIVE OF MANUFACTURER.														
			PROTECTION A. PROTECT INSTALLED INTEGRATED SECURITY AND COMMUNICATION SYSTEM FROM DAMAGE DURING CONSTRUCTION.														
			END OF SECTION														
			B. FUNCTIONAL COMPONENTS: AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE SYSTEM. 1. MASTER STATION. a. JP-4MED: HANDS-FREE/HANDSET COLOR VIDEO INTERCOM MASTER STATION. 2. SUB MASTER STATION: a. JP-4HD: HANDS-FREE/HANDSET COLOR VIDEO INTERCOM SUB MASTER STATION. 3. VIDEO DOOR STATION: a. JP-DA: PANTILT & ZOOM VIDEO DOOR STATION, SURFACE MOUNT. 4. DOOR STATION: a. GT-D: AUDIO ONLY DOOR STATION. 5. LONG DISTANCE/CCTV ADAPTOR: a. JPW-BA: LONG DISTANCE/CCTV ADAPTOR. 6. DISTRIBUTION ADAPTOR: a. JP-BZ: DISTRIBUTION ADAPTOR. 7. POWER SUPPLY: a. PS-2420UL: 24V DC POWER SUPPLY. 8. CALL EXTENSION SPEAKER: a. IER-2: CALL EXTENSION SPEAKER. 9. EXTERNAL DEVICES: a. RY-3DL: MULTIPLE DOOR RELEASE ADAPTOR. b. AC-10S: ACCESS CONTROL KEYPAD, SURFACE MOUNT. c. JP-DV + AC-10S: PANTILT & ZOOM VANDAL-RESISTANT VIDEO DOOR STATION. SURFACE MOUNTED WITH ACCESS CONTROL KEYPAD.	DELIVERY, STORAGE, AND HANDLING A. DELIVERY: DELIVER MATERIALS TO SITE IN MANUFACTURER'S ORIGINAL, UNOPENED CONTAINERS AND PACKAGING, WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER. B. STORAGE: STORE MATERIALS IN CLEAN, DRY AREA INDOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. C. HANDLING: PROTECT MATERIALS DURING HANDLING AND INSTALLATION TO PREVENT DAMAGE.	7. PHYSICAL CHARACTERISTICS: a. OPERATING TEMPERATURE: 14 DEGREES F TO 140 DEGREES F (-10 TO 60 DEGREES C). b. DIMENSIONS: 1) JP-DA 5-1/8 INCHES X 3-7/8 INCHES X 1-9/16 INCHES (131 X 99 X 40 MM). 2) JP-DV 6-13/16 INCHES X 3-7/8 INCHES X 1 INCH (173 X 98 X 25 MM). 3) JP-DVF 8-1/4 INCHES X 5-5/16 INCHES X 7/32 INCH (209 X 135 X 5.5 MM). 4) JP-DVF BACK BOX 7-3/32 INCHES X 4-3/8 INCHES X 1-25/32 INCHES (180 X 110 X 45 MM). c. POWER SUPPLY: DC 24V (FROM MASTER STATION). d. CURRENT CONSUMPTION: 90 MA. e. MOUNTING: 1) JP-DA: SURFACE MOUNT TO 2X4 ELECTRICAL BOX. 2) JP-DV: SURFACE MOUNT DIRECT TO SURFACE. 3) JP-DVF: FLUSH MOUNT WITH INCLUDED BACK BOX. f. WEIGHT: 1) JP-DA: 0.46 LBS (210G). 2) JP-DV: 1.3 LBS (550G). 3) JP-DVF: 1.2 LBS (550G). 4) BACK BOX: 0.95 LBS (430G).												
						C. SYSTEM DESIGN: UNLESS NOTED OTHERWISE ON DRAWINGS PROVIDE SYSTEM LAYOUT AS FOLLOWS. THREE WIRING METHODS ARE POSSIBLE: STATION-TO-STATION, CENTRALIZED WIRING, OR COMBINED WIRING, WHERE BOTH METHODS ARE EMPLOYED IN THE SAME SYSTEM. 1. PROVIDE STATION-TO-STATION WIRING: DIRECTLY CONNECT A MASTER STATION TO A SUB MASTER STATION. a. MAXIMUM DISTANCE OF FARTHEST SUB MASTER FROM MASTER STATION: 980 FEET (300 M), CUMULATIVE. b. MAXIMUM DISTANCE BETWEEN SUB MASTER STATIONS IN STATION-TO-STATION WIRING: 98 FEET (30 M) WHEN 3 STATIONS ARE POWERED OFF 1 POWER SUPPLY, OR 165 FEET (50 M) WHEN 2 STATIONS POWERED OFF OF 1 POWER SUPPLY. 2. PROVIDE CENTRALIZED WIRING: CONNECT MASTER STATIONS, AND SUB MASTER STATIONS TO A CENTRAL WIRING ADAPTOR. a. MAXIMUM DISTANCE OF FARTHEST SUB MASTER FROM DISTRIBUTION ADAPTER (JP-BZ): 165 FEET (50 M). b. MAXIMUM DISTANCE OF MASTER FROM DISTRIBUTION ADAPTER (JP-BZ): 650 FEET (200 M). c. MAXIMUM CUMULATIVE DISTANCE OF MASTER AND SUB MASTERS FROM DISTRIBUTION ADAPTER (JP-BZ): 980 FEET (300M). 3. PROVIDE COMBINED WIRING: CONNECT A SYSTEM USING BOTH STATION-TO-STATION AND CENTRALIZED WIRING TO MEET THE REQUIREMENTS OF THE PROJECT. a. MAXIMUM DISTANCE BETWEEN SUB MASTER STATIONS IN STATION-TO-STATION WIRING: 98 FEET (30 M) WHEN 3 STATIONS ARE POWERED OFF 1 POWER SUPPLY, OR 165 FEET (50 M) WHEN 2 STATIONS POWERED OFF OF 1 POWER SUPPLY. b. MAXIMUM DISTANCE OF SUB MASTERS FROM DISTRIBUTION ADAPTER (JP-BZ): 165 FEET (50 M). 4. PROVIDE EXPANDED PERFORMANCE: a. THE WIRING DISTANCE BETWEEN THE DOOR AND MASTER STATIONS BY USING THE JPW-BA ADAPTOR SHALL BE A MAXIMUM DISTANCE OF 980 FEET (300 M). b. CONNECT CCTV AND AUDIO DOOR STATION: PROVIDE SECURITY CAMERA CONNECTION USING THE JPW-BA ADAPTOR. PROVIDE FOR TWO WAY COMMUNICATION AS INDICATED OR SCHEDULED WITH A GT-D AUDIO DEVICE. c. ALARM INPUTS: THE MASTER STATION AND ALL SUB MASTER STATIONS SHALL SEND OUT AN ALARM NOTIFICATION WHEN THE SENSOR IS TRIGGERED. PROVIDE DOOR/WINDOW CONTACTS, WATER SENSORS, AND PERS DEVICES AS INDICATED OR SCHEDULED.	PROJECT CONDITIONS A. MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.	D. POWER SUPPLY: PS-2420UL, 24V DC POWER SUPPLY. E. CALL EXTENSION SPEAKER: IER-2, CALL EXTENSION SPEAKER. F. EXTERNAL DEVICES: 1. RY-3DL: MULTIPLE (3) DOOR RELEASE ADAPTOR. 2. AC-10S: ACCESS CONTROL KEYPAD, SURFACE MOUNT. 3. JP-DV+ AC-10S: PANTILT & ZOOM VANDAL-RESISTANT VIDEO DOOR STATION. SURFACE MOUNTED WITH ACCESS CONTROL KEYPAD. G. LONG DISTANCE ADAPTOR: JPW-BA. 1. POWER SUPPLY: DC 24V (FROM POWER SUPPLY) 2. CURRENT CONSUMPTION: 90 MA 3. OPERATING TEMPERATURE: 32 DEGREE F TO 104 DEGREES F (0 TO 40 DEGREES C). 4. MOUNTING: WALL-MOUNT 5. WEIGHT: APPROX. 7 OZ (200 G). H. DISTRIBUTION ADAPTOR: JP-BZ. 1. POWER SUPPLY: DC 24V (FROM POWER SUPPLY) 2. CURRENT CONSUMPTION: 90 MA 3. OPERATING TEMPERATURE: 32 DEGREE F TO 104 DEGREES F (0 TO 40 DEGREES C). 4. MOUNTING: WALL-MOUNT. 5. WEIGHT: APPROX. 7.5 OZ (210 G).									
									SUBMITTALS A. SUBMIT UNDER PROVISIONS OF SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS. B. PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING: 1. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS. 2. STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS. 3. INSTALLATION METHODS. C. SHOP DRAWINGS: SUBMIT THE FOLLOWING: 1. WIRING DIAGRAMS: INDICATE WIRING FOR EACH ITEM OF EQUIPMENT AND INTERCONNECTIONS BETWEEN ITEMS OF EQUIPMENT. 2. INCLUDE MANUFACTURER'S NAMES, MODEL NUMBERS, RATINGS, POWER REQUIREMENTS, EQUIPMENT LAYOUT, DEVICE ARRANGEMENT, COMPLETE WIRING POINT-TO-POINT DIAGRAMS, AND CONDUIT LAYOUTS. D. INSTALLATION AND OPERATION MANUALS: 1. SUBMIT MANUFACTURER'S INSTALLATION AND OPERATION MANUAL, INCLUDING OPERATION INSTRUCTIONS AND COMPONENT WIRING DIAGRAMS. 2. PROVIDE DETAILED INFORMATION REQUIRED FOR OWNER TO PROPERLY OPERATE EQUIPMENT. E. WARRANTY: SUBMIT MANUFACTURER'S STANDARD WARRANTY. F. SELECTION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO COMPLETE SETS OF COLOR CHIPS REPRESENTING MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND PATTERNS. G. VERIFICATION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO SAMPLES, MINIMUM SIZE 6 INCHES (150 MM) SQUARE, REPRESENTING ACTUAL PRODUCT, COLOR, AND PATTERNS.	MANUFACTURERS A. ACCEPTABLE MANUFACTURER: AIPHONE CORP., WHICH IS LOCATED AT: 6670 185TH AVE. NE, REDMOND, WA 98052 ; TOLL FREE TEL: 800-682-0200; TEL: 425-455-0510; FAX: 425-455-0071; EMAIL: REQUEST INFO (MARKETING@AIPHONE.COM); WEB: WWW.AIPHONE.COM B. SUBSTITUTIONS: NOT PERMITTED.	EXAMINATION A. EXAMINE AREAS TO RECEIVE INTEGRATED SECURITY AND COMMUNICATION SYSTEM. B. NOTIFY ARCHITECT OF CONDITIONS THAT WOULD ADVERSELY AFFECT INSTALLATION OR SUBSEQUENT USE. C. DO NOT BEGIN INSTALLATION UNTIL UNACCEPTABLE CONDITIONS ARE CORRECTED.						
QUALITY ASSURANCE A. MANUFACTURER QUALIFICATIONS: ISO 9001:2008 CERTIFIED COMPANY.	HANDS-FREE/HANDSET COLOR VIDEO INTERCOM SYSTEM A. COLOR VIDEO INTERCOM SYSTEM: JP SERIES INTERCOM SYSTEM AS MANUFACTURED BY AIPHONE CORPORATION. B. ROOM MASTER STATION: JP-4MED 7 INCHES (180 MM) DIGITAL PTZ VIDEO MASTER STATION WITH MEMORY. 1. THE JP SERIES SHALL ACCOMMODATE UP TO 4 DOOR STATIONS AND 8 MASTER STATIONS IN A SINGLE SYSTEM. 2. PROVIDE ICON DRIVEN ONE TOUCH HANDS FREE OPERATION. TOUCH THE SCREEN TO COMMUNICATE WITH VISITORS USING THE BUILT-IN MICROPHONE AND SPEAKER OR USE THE HANDSET AT ANY TIME DURING CONVERSATION FOR PRIVACY. 3. OPERATION: FROM MASTER STATION. PROVIDE THE FOLLOWING. a. ROOM CALL: TOUCH SCREEN ICON TO CALL A SINGLE SUB MASTER STATION OR ALL SUB MASTER STATIONS SIMULTANEOUSLY. b. PLAY: TOUCH SCREEN ICON TO PLAY RECORDED IMAGES FROM DOOR STATIONS. c. SETTINGS: TOUCH SCREEN ICON TO PROGRAM SETTINGS AND ADJUSTMENTS. d. SECURITY: TOUCH SCREEN ICON TO ACTIVATE THE SECURITY MODE OR TO CHANGE SECURITY SETTINGS. e. MONITOR: TOUCH SCREEN ICON TO MONITOR A DOOR STATION OR SUB MASTER STATION. f. OPTION: TOUCH SCREEN ICON TO ACTIVATE THE CONNECTED EXTERNAL DEVICE(S). 4. AVAILABLE FUNCTIONS DURING MONITORING: PROVIDE THE FOLLOWING. a. PAN-TILT-ZOOM/WIDE CAMERA CONTROL. b. WHEN MONITORING IS STARTED, AN IMAGE SHALL BE SHOWN IN WIDE MODE. PAN & TILT AND ADJUSTING IMAGES SHALL BE POSSIBLE FROM THE MASTER STATION. c. DOOR RELEASE SHALL BE POSSIBLE FROM THE MASTER STATION. d. VOLUME CONTROL SHALL BE POSSIBLE FROM THE MASTER STATION. e. MANUAL RECORDING SHALL BE POSSIBLE FROM THE MASTER STATION. f. IF A CCTV CAMERA IS CONNECTED INSTEAD OF A VIDEO DOOR STATION AT ENTRANCE, PROVIDE AUDIO MONITORING AND COMMUNICATION VIA THE GT-D. 5. PHYSICAL CHARACTERISTICS: a. POWER SUPPLY: DC 24V (FROM POWER SUPPLY). b. CURRENT CONSUMPTION: 390 MA. c. COMMUNICATION: HANDSET - SIMULTANEOUS COMMUNICATION. d. COMMUNICATION: HANDS-FREE - AUTO-VOICE ACTUATION. e. AMBIENT TEMPERATURE 32 DEGREE F TO 104 DEGREE F (0 TO 40 DEGREES C). f. MONITOR: 7 INCHES (180 MM) COLOR LCD MONITOR. g. MOUNTING: WALL MOUNT. h. ELECTRICAL BOX: 3-GANG BOX i. MATERIAL: FLAME RESISTANT ABS RESIN. j. COLOR: WHITE. k. DIMENSIONS: 5-11/16 INCHES H X 10-1/16 INCHES W X 1-7/8 INCHES D (145 MM BY 255 MM BY 48 MM). l. WEIGHT: APPROX. 1.74 LBS (790 G).	PREPARATION A. VERIFY THE FOLLOWING COMPLIANCE BEFORE STARTING INSTALLATION. 1. ALL UNITS, EXCEPT FOR THE ENTRANCE STATION AND TENANT DOOR STATION, ARE DESIGNED FOR INDOOR USE ONLY. DO NOT USE OUTDOORS. 2. THE UNIT TURNS INOPERATIVE DURING POWER FAILURE. 3. IN AREAS WHERE BROADCASTING STATION ANTENNAS ARE CLOSE BY, INTERCOM SYSTEM MAY BE AFFECTED BY RADIO FREQUENCY INTERFERENCE. 4. KEEP THE INTERCOM WIRES AT LEAST 1 FOOT (30 CM) AWAY FROM STRONG ELECTRICAL WIRING (AC 100-240 V) INCLUDING, IN PARTICULAR, WIRING FOR INVERTER ELECTRICAL APPLIANCES. NOISE AND MALFUNCTION COULD RESULT. 5. KEEP THE UNIT MORE THAN 3.3 FEET (1 M) AWAY FROM RADIO OR TV SET. 6. IF A STRONG LIGHT SHINES ON THE MAIN UNIT SCREEN, THE PICTURE MAY TURN WHITE OR ONLY SILHOUETTES WILL BE VISIBLE. 7. OTHER MANUFACTURER'S DEVICES (SUCH AS SENSOR, DETECTORS, DOOR RELEASES) USED WITH THIS SYSTEM, COMPLY WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS. 8. THE LCD PANEL IS MANUFACTURED WITH VERY HIGH PRECISION TECHNIQUES, INEVITABLY WILL HAVE A VERY SMALL PORTION OF ITS PICTURE ELEMENTS ALWAYS LIT OR NOT LIT AT ALL. THIS IS NOT CONSIDERED A UNIT MALFUNCTION. PLEASE BE AWARE OF THIS IN ADVANCE.															
												INSTALLATION A. INSTALL INTEGRATED SECURITY AND COMMUNICATION SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AT LOCATIONS INDICATED ON THE DRAWINGS. B. MOUNT EQUIPMENT PLUMB, LEVEL, SQUARE, AND SECURE. FOR VIDEO ENTRANCE STATIONS AND VIDEO DOOR STATIONS, COMPLY WITH MANUFACTURER'S DESIGN REQUIREMENTS TO PROVIDE OPTIMUM PICTURE QUALITY OF STATION MONITORING.					
												SET-UP AND ADJUSTING A. ADJUST INTEGRATED SECURITY AND COMMUNICATION SYSTEM FOR PROPER OPERATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.					
			DEMONSTRATION AND TRAINING A. DEMONSTRATION: 1. DEMONSTRATE THAT INTEGRATED SECURITY AND COMMUNICATION														

	
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