



**ST. CLAIR CATHOLIC  
DISTRICT SCHOOL BOARD**

*Lighting the Way ~ Rejoicing in Our Journey*

**REQUEST FOR TENDER  
FOR  
TENDER #: 653-CP1901  
*New North Chatham Catholic Elementary School***

**ADDENDUM #4**

**ISSUED: June 4, 2018.**

**DUE DATE: June 7, 2018 at 2:00:00p.m., Local Time**

**Mailing Address:**  
Mr. Tony Prizio  
Purchasing Department  
St. Clair Catholic District School Board  
420 Creek Street  
Wallaceburg, ON  
N8A 4C4

This addendum forms part of the contract documents and modifies the original specifications and drawings as follows. Acknowledge receipt of this addendum in the space provided on the Form of Tender.

#### ARCHITECTURAL SPECIFICATIONS

1. List of Drawings
  1. REPLACE the first page of the List of Drawings with that attached.
2. Schedule 'B' – Mandatory Alternative and Separate Prices
  1. For Alternative Price #3, porcelain tile finish on Stair A is to be completed as shown on Drawing ASK-007, attached.
  2. For Separate Price #1, REVISE Drawing Reference from Drawing L1-1 to Drawing **L1**. Separate Price #1 includes artificial turf, plantings and seating shown on Detail. Base Bid to include finish grading and flagpole.
3. Section 01020 Cash Allowances
  1. ADD Article 1.2.2.6 as follows:

.6	Door access control equipment, wiring and rough-in:	\$6,500.00
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4. Millwork Details
  1. On Millwork Details MW27 and MW27.1, REVISE depth of unit from 305mm to **650mm**.
  2. On Millwork Details MW28 and MW28.1, REVISE depth of unit form 305mm to **350mm**.
  3. REPLACE Drawing MW32 with that shown on Drawing ASK-008, attached.
  4. ADD Millwork Detail at Reception Desk in Learning Commons, as shown on Drawing ASK-009, attached.
5. Section 07216 Sprayed Foam Insulation
  1. ADD Article 2.1.1.1.2 as follows:

.2	BASF WALLTITE v3.
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6. Frame Elevations
  1. REPLACE Frame Elevation FE-1, with that shown on Drawing ASK-010, attached.
  2. REPLACE Frame Elevations FE-16, FE-17, and FE-18, with those shown on Drawing ASK-011, attached.
  3. REPLACE Frame Elevation FE-19, with that shown on Drawing ASK-012, attached.

7. Section 09330 Porcelain Tile
  1. REPLACE Article 2.3.3.1 with the following:
    - .1 Stair Nosing Profile: TREP-S with TREP-TAP; colour as selected by Consultant.
  2. ADD Article 2.3.3.6 as follows:
    - .6 Stainless Steel Edge Trim at Stairs: Schluter KHK 15 EB; with two-way corner pieces; field measure and order to suit. No joints permitted at stair treads.
8. Section 09666 Resilient Sports Flooring
  1. REPLACE Article 2.1.1.2.1 with the following:
    - .1 Approved Alternate: Tarkett Omnisports 7.1mm Tarkolay.
9. Section 09911 Painting
  1. ADD "LIQUI-HARD by W.R. Meadows of Canada" to list of approved products in Article 2.5.1.
10. Room Finish Schedule
  1. At Learning Commons 200, REVISE Ceiling Material from "ACT3/GB" to "**ACT1**/GB".

#### ARCHITECTURAL DRAWINGS

11. Drawing A0.01 Floor and Roof Types, Typical Details, Legends and Matrix
  1. **ROOF CONSTRUCTION: REPLACE ROOF TYPES R-1 AND R-2 WITH THOSE SHOWN ON DRAWING ASK-013, ATTACHED.**
12. Drawing A3.02 Overall Second Floor Reflected Ceiling Plan
  1. **REVISE CEILING LAYOUT IN THINKING STUDIO 200A, 200B AND 200C, AS SHOWN ON DRAWING ASK-014, ATTACHED.**
13. Drawing A3.03 Reflected Ceiling Plan Details
  1. **PARTIAL REFLECTED CEILING PLAN DETAIL 3/A3.03: REPLACE THIS DETAIL WITH THAT SHOWN ON DRAWING ASK-015, ATTACHED.**

#### STRUCTURAL DRAWINGS

14. Drawing S-401
  1. **COLUMNS F-18 AND F-20: REVISE COLUMN SIZE FROM HS219X9.5 TO AS FOLLOWS – FROM GROUND FLOOR TO SECOND FLOOR HS219X12.7 AND FROM SECOND FLOOR TO PENTHOUSE ROOF HSS178X178X7.9. LOCATE SPLICE OF COLUMN AT GEODETIC ELEVATION 183.85m. REFER TO NOTE 2 IN "COLUMN SCHEDULE NOTES" FOR SPLICE CONNECTION DETAILS.**

- 15. Drawing S-501
  - 1. **ELEVATIONS 501, 502, 503 AND 504: REVISE W150X24 COLUMNS TO W150X22 COLUMNS.**
- 16. Drawing S-502
  - 1. **ELEVATIONS 512: REVISE W150X24 COLUMN TO W150X22 COLUMN.**
- 17. Drawing S-503
  - 1. **ELEVATIONS 513, 516, 517 AND 518: REVISE W150X24 COLUMNS TO W150X22 COLUMNS.**
- 18. Drawing S-504
  - 1. **ELEVATIONS 521, 523 AND 524: REVISE W150X24 COLUMNS TO W150X22 COLUMNS.**

#### MECHANICAL SPECIFICATIONS

- 19. Section 15200 Testing and Balancing
  - 1. ADD Clause 3.9 Kitchen Exhaust System
    - 3.9 **KITCHEN EXHAUST SYSTEM**
    - 3.8.1 **Performance Testing:** Provide an approved field test method to evaluate design airflow rates and demonstrate proper capture and containment performance of installed commercial kitchen exhaust systems. Demonstrate proper capture and containment at minimum airflow. Comply with the requirements of the latest code enforceable version of ASHRAE 90.1.
- 20. Section 15600 Liquid Heat Transfer
  - 1. ADD Clause 2.23.7.4: **“Electric Preheat Coil:** Provide an electric preheat coil within the energy recovery ventilator to provide wheel defrost control.”
  - 2. ADD the following Clause 2.38.8: “Controls dampers and actuators for outside air and exhaust air intake will be provided by section 15900 and wired to on board controller. Integrate controls for these dampers and actuators into control for the unit.”
- 21. Section 15900 Controls
  - 1. Clause 1.3.1: ADD to the list of controls contractors: “Ainsworth Inc. (Schneider).
  - 2. REVISE Clause 3.15.4 as follows: “ERV will provide defrost control through its onboard controller, with the factory installed electric preheat coil.”
  - 3. INSERT Clause 3.15.5: “Provide outside air and exhaust air dampers and actuators. Provide all wiring between actuators and on board ERV controller. Follow all manufacturer recommendation.

MECHANICAL DRAWINGS

22. Drawing M1.01

1. **REFER TO MECHANICAL REVISION DRAWING, MR-7, ATTACHED.**
2. **REPLACE VIBRATION ISOLATION SCHEDULE WITH THE SCHEDULE BELOW:**

VIBRATION ISOLATION				
Drawing Reference	Manufacturer	Model	Static Deflection (mm)	Remarks
BLR-501A/B	Vibro	NSN	-	-
FC-502	Vibro	SCSR-2AH	50	Minimum six units – Hot Dipped Galvanized
CP-302A/B	Vibro	CIB/SIPS/SFS	25	150mm thick concrete inertia base (Use Vibro EJN2 flex connectors with controls rods)
Piping	Vibro	SHB	-	Used for pipe serving CP-302A/B – Minimum first 3 hanger rods
HP-410	Vibro	NSN	-	Minimum four per unit

23. Drawing M1.02

1. **PUMP SCHEDULE: REVISE NOTE \*: FUTURE FLOW SHOWN. CURRENT FLOW IS 24.5 L/s.**

24. Drawing M1.03

1. **GRILLES, REGISTERS AND DIFFUSERS SCHEDULE: REVISE RG-4 MODEL TO 535/L/A/B15. REVISE WHITE FINISH IN NOTES SECTION FOR RG-4 TO ALUMINUM FINISH.**

25. Drawing M2.02

1. **REFER TO MECHANICAL REVISION DRAWING, MR-8, ATTACHED.**

26. Drawing M2.04

1. **REFER TO MECHANICAL REVISION DRAWINGS, MR-9 AND MR-11, ATTACHED.**

27. Drawing M2.05

1. **REFER TO MECHANICAL REVISION DRAWING, MR-11, ATTACHED.**

28. Drawing M2.07

1. **REFER TO MECHANICAL REVISION DRAWINGS, MR-10 AND MR-12, ATTACHED.**

29. Drawing M3.01
1. REFER TO MECHANICAL REVISION DRAWING, MR-13, ATTACHED.
  2. REVISE FIRE EXTINGUISHER IN ATRIUM (ADJACENT TO SOUTH GYM DOORS) TO RECESSED TYPE.
30. Drawing M4.02
1. REVISE FORCE FLOW HEATER MODEL IN ROOM V02 TO FF-422.
  2. REVISE NOTE FOR HEATING PIPING DROPS BETWEEN ROOMS V01 AND 142 TO READ, "20 HWS/HWR DN TO HEATERS WITHIN BENCHES".
  3. REFER TO MECHANICAL REVISION DRAWING, MR-14, ATTACHED.
31. Drawing M4.05
1. REFER TO MECHANICAL REVISION DRAWING, MR-17, ATTACHED.
32. Drawing M5.01
1. REVISE ER-1 AIRFLOW RATE IN ROOM 123 TO 100L/s.
  2. DELETE REFERENCE TO BRICK VENT NEXT TO ROOM 110.
  3. REFER TO MECHANICAL REVISION DRAWING, MR-15, ATTACHED.
33. Drawing M5.02
1. CHILD CARE CENTRE – AIR DISTRIBUTION
    1. ADD NOTE 4: "PROVIDE CONTINUOUS LINEAR GRILLE C/W BLANKED OFF INACTIVE SECTIONS BETWEEN PLENUMS". ADD REFERENCE TO THIS NOTE FOR LINEAR GRILLES SERVING CLERESTORY IN CHILDCARE CENTRE.
    2. DELETE MOTORIZED DAMPER FOR RANGE HOOD EXHAUST DUCT IN ROOM 108.
  2. PARTIAL GROUND FLOOR PLAN – SOUTH – AIR DISTRIBUTION
    1. ADD FIRE DAMPERS IN EXHAUST DUCT BETWEEN ROOMS 140 AND 138.
    2. REFER TO MECHANICAL REVISION DRAWINGS, MR-18 AND MR-19, ATTACHED.
34. Drawing M5.03
1. SECTION 2: REVISE SG-1 AIRFLOW TO 90 L/s EACH.
35. Drawing M5.04
1. SECTION 2: THIS SECTION REFERS TO DRAWING M5.01.
  2. REFER TO MECHANICAL REVISION DRAWING, MR-16, ATTACHED.

36. Drawing M6.01

1. **SECTION MARKER #4: THIS SECTION IS SHOWN IN AND REFERS TO DRAWING M6.01.**
2. **MECHANICAL KEY: ADD SYMBOL CCB – COOLING COIL BYPASS.**
3. **SECTION 5: REVISE SA-102R TO SA-101R.**

37. Drawing M6.03

1. **REFER TO MECHANICAL REVISION DRAWING, MR-6, ATTACHED.**

38. Drawing M6.04

1. **REFER TO MECHANICAL REVISION DRAWING, MR-20, ATTACHED.**

ELECTRICAL SPECIFICATIONS

39. Section 16001 Electrical General Provisions

1. ADD Clause 3.23.3.4 and renumber clauses that follow accordingly. Clause 3.23.3.4 to read: "\$6,500.00 to cover the cost of door access control equipment, wiring and rough-in."

40. Section 16400 Service and Distribution

1. Refer to revised panel schedule 1AL, 1BL, 1CL, 1B, 1C and 2A included in this addendum.
2. REVISE Clause 2.6.1 to be: "SPD shall be verified labelled as Type 1 for service entrances or Type 2 in accordance with the newest UL 1449 edition and shall contain thermally protected metal-oxide varistors, each of which is internally fused by a thermal element, that safely removes them from the circuit breaker under abnormal conditions under every protection mode, including N-G. The system shall not be utilize silicon avalanche diodes, selenium cells, air gaps, or other components that may crowbar the system voltage leading to system upset or create any environmental hazards."

41. Section 16550 Lighting Control Systems

1. ADD Clause 2.5.3 and renumber clauses that follow accordingly. Clause 2.5.3 to be: "Provide plug load controller in all classrooms and in rooms with switch receptacles."

42. Section 16705 Security and Access Control System

1. REVISE Clause 2.3.1.1 to be: "Provide Monitor xL 4-door controller and large cabinet for card access. Guardall catalog number 120-8213."
2. REVISE Clause 2.3.1.2 to be: "Provide all required accessories and power supplies to furnish a complete, operational system."
3. REVISE Clause 2.3.1.3 to be: "Provide weatherproof proximity card readers on building exterior. Guardall G-Prox II Switchplate proximity reader, black, catalog number 120-823B."

43. Section 16712 Intercom System

1. REVISE Clause 2.2.7.1 to be: "Provide Telecor eS8-TB-SQ talk back speaker, complete with white square baffle and 25/70 volt transformer. Provide eCS-1 call switch assembly with soft buttons for Call, emergency and Privacy, on stainless steel single gang wall plate mounted on classroom control panel."

44. Section 16721 Fire Alarm System

1. REVISE Clause 2.10.1 to include "Notifier" as an equal manufacturer.

ELECTRICAL DRAWINGS

45. Drawing E1.02 – Luminaire Schedule

1. **ADD "REFER TO DETAIL" TO NOTES COLUMN OF TYPE E4.**

46. Drawing E1.02 – Architectural Equipment Schedule

1. **REVISE "A4" TO BE FED FROM PANEL 1A.**
2. **DELETE NOTE UNDER NOTES COLUMN FOR "A1".**

47. Drawing E1.02 – Mechanical Equipment Schedule

1. **REFER TO REVISION DRAWING ER-1.**

48. Drawing E1.03 – Site Plan Electrical

1. **REVISE BOTH WIRE TAGS BETWEEN TYPE P2 AND P1 LUMINAIRES TO BE: "4#10 + #12GND IN 27mmC (TYPICAL)".**
2. **REVISE NOTE 10 TO BE: "THE CONTRACTOR IS RESPONSIBLE FOR THE DIRECTIONAL BORE ACROSS ROADWAY. AN ENCROACHMENT PERMIT IS REQUIRED FOR THIS WORK. CONTRACTOR TO OBTAIN AND PAY FOR PERMIT. PROVIDE CONDUIT 600mm UP POLE FOR USE BY ELECTRICAL UTILITY."**
3. **CIRCUIT LUMINAIRES FROM 1AL-11, 15A 1P BREAKER.**

49. Drawing E2.01

1. **DELETE CEILING MOUNTED OCCUPANCY SENSOR IN ROOM 111.**
2. **DELETE NOTE 5 AND ADD NEW NOTE 5: "PROVIDE PARTITION SENSOR AT PARTITION WITHIN GYMNASIUM 101. PROGRAM LIGHTING CONTROLS TO DISABLE TWO LIGHTING ZONES OPPOSITE FROM SWITCHES, WHEN PARTITION IS CLOSED. PROVIDE ALL ACCESSORIES REQUIRED TO INTEGRATE WITH LIGHTING CONTROL SYSTEM."**
3. **DELETE TYPE J1 AT STAIRS B, C, AND D.**



4. **REVISE NOTE 4 TO BE: "LUMINAIRE TO BE CONNECTED TO OUTDOOR LIGHTING ROOM CONTROLLER LOCATED IN ELECTRICAL ROOM 140. CIRCUIT FROM 1AL-14."**
  5. **ROOM CONTROLLER IN CR1-7 TO SERVE CR1-7 AND CR1-8 LIGHTING.**
50. Drawing E2.02 – Child Care Centre – Lighting and Fire Alarm
1. **REVISE SWITCH "S-LV" IN CORRIDOR CR1-3 NEAR WR-106S TO BE A 5-BUTTON SWITCH (4 BUTTON PLUS ROCKER).**
  2. **REFER TO REVISION DRAWING ER-2.**
  3. **ADD PHOTO CELL TO ROOMS 106J AND 106E.**
  4. **REVISE LIGHTING CIRCUIT IN ROOM 108 TO BE 1AL-4.**
51. Drawing E2.02 – Partial Ground Floor Plan South – Lighting and Fire Alarm
1. **CIRCUIT TYPE N LUMINAIRES FROM 1AL-2.**
  2. **CIRCUIT V01 LUMINAIRES FROM 1AL-2.**
  3. **RELOCATE OCCUPANCY SENSOR AT ATRIUM STAIR TO COLUMN AT INTERSECTION OF GRIDLINES J AND 7.**
  4. **REVISE ELEVATOR PIT TYPE M TO BE FED FROM 1BL-14.**
  5. **REFER TO REVISION DRAWING ER-3.**
52. Drawing E2.03 – Partial Second Floor Plan North – Lighting and Fire Alarm
1. **REVISE FIRE ALARM ZONE AROUND GYM TO BE COINCIDENT WITH NORTH GYM WALL.**
  2. **REVISE NOTE 5 TO BE: "NOT USED".**
53. Drawing E2.03 – Partial Second Floor Plan South – Lighting and Fire Alarm
1. **REFER TO REVISION DRAWING ER-4.**
54. Drawing E3.01
1. **PROVIDE POE DIGITAL CLOCK WITH MESSAGE DISPLAY IN THE FOLLOWING ROOMS: 113 (NORTH WALL NEAR DOOR) AND 115 (NORTH WALL NEAR DOOR). MOUNT ON WALL NEAR DOOR.**
  2. **REVISE CLOCK IN NORTH-EAST CORNER OF ROOM 101 TO BE POE DIGITAL CLOCK WITH MESSAGE DISPLAY.**
  3. **CIRCUIT POWER DOOR OPERATOR IN STAIR B FROM 1B-49.**

4. **CIRCUIT RECEPTACLE IN ROOM 130, ADJACENT TO CLASSROOM MODULE FROM 1B-52.**
55. Drawing E3.02 – Child Care Centre – Power and Systems
1. **PROVIDE POE DIGITAL CLOCK WITH MESSAGE DISPLAY IN THE FOLLOWING ROOMS: 106A (NORTH WALL), 106B (NORTH WALL), 106B (NORTH WALL), 106E (EAST WALL), 106J (EAST WALL), 106L (SOUTH WALL NEAR DOOR) AND 108 (WEST WALL NEAR DOOR AND VISIBLE FROM NORTH-EAST CORNER OF ROOM).**
  2. **REVISE FF-421 IN V02 TO BE FF-422.**
  3. **REVISE RECEPTACLE NEXT TO DRYER RECEPTACLE IN ROOM 106P TO BE ON CIRCUIT 1C-37.**
56. Drawing E3.02 – Partial Ground Floor Plan South – Power and Systems
1. **PROVIDE POE DIGITAL CLOCK WITH MESSAGE DISPLAY IN THE FOLLOWING ROOMS: 100 (NORTH WALL), 102 (NORTH WALL) AND 138 (NORTH WALL NEAR DOOR).**
57. Drawing E3.03 – Partial Second Floor Plan North – Power and Systems
1. **PROVIDE POE DIGITAL CLOCK WITH MESSAGE DISPLAY IN THE FOLLOWING: 216 (WEST WALL NEAR DOOR).**
  2. **REFER TO REVISION DRAWING ER-5.**
  3. **CIRCUIT RECEPTACLE IN ROOM 212, ADJACENT TO CLASSROOM MODULE FROM 2A-42.**
58. Drawing E3.04 – Partial Second Floor Plan South – Power and Systems
1. **PROVIDE POE DIGITAL CLOCK WITH MESSAGE DISPLAY IN THE FOLLOWING: 244 (EAST WALL NEAR DOOR).**
59. Drawing E3.05
1. **TAG EF-4 WITH CIRCUIT ID “DPB-1”.**
  2. **ADD RECEPTACLE IN ROOM 106N AT LEADER NOTING “1650mm A.F.F. 1C-46”.**
  3. **REVISE LEADER TO BACKBOARD IN ROOM 205 TO BE “1800x1800mm PAINTED PLYWOOD BACKBOARD ON WALL.”**
60. Drawing E4.01
1. **REFER TO REVISION DRAWING ER-6.**
  2. **200A 3P BREAKER SERVING TRANSFORMER DPB-1 TO HAVE DIGITAL TRIPS.**
  3. **TRANSFORMERS DPB-1 AND DPB-2 TO BE 600DELTA TO 208Y/120V.**

**4. REVISE CAT 5 AT METERING CABINET TO BE ROUTED TO ROOM 107.**

THIS CONCLUDES ADDENDUM #4.

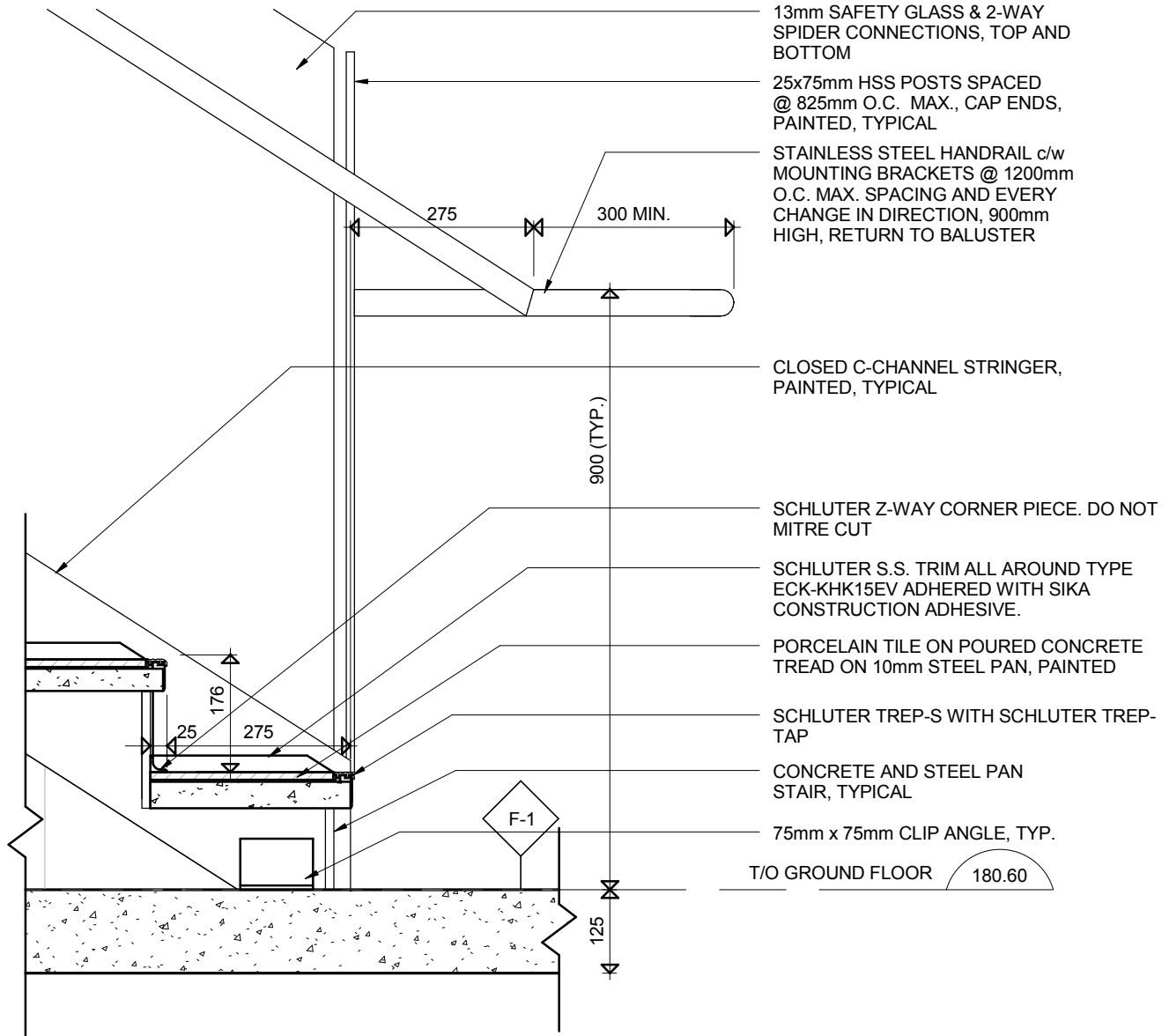
+ List of Drawings (first page only), Drawings ASK-007 to ASK-015 inclusive; Drawings MR-6 to MR-20 inclusive, Drawing M6.02R, Re-Issued Panel Schedules 1AL, 1B, 1BL, 1C, 1CL, 2A, Drawings ER-1 to ER-6 inclusive.

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## **LIST OF DRAWINGS**

### **ARCHITECTURAL**

- A0.01 FLOOR AND ROOF TYPES, TYPICAL DETAILS, LEGENDS AND MATRIX
- A0.02 WALL TYPES
- A0.03 TYPICAL DETAILS & OBC PLAN
- A1.01 OVERALL SITE PLAN
- A1.02 SITE PLAN SIGNAGE, DETAILS AND SECTIONS
- A2.01 OVERALL GROUND FLOOR PLAN
- A2.02 OVERALL SECOND FLOOR PLAN
- A2.03 CLERESTORY FLOOR PLANS AND DETAILS
- A2.04 PARTIAL GROUND FLOOR PLAN
- A2.05 PARTIAL GROUND FLOOR PLAN
- A2.06 PARTIAL GROUND FLOOR PLAN
- A2.07 PARTIAL GROUND FLOOR PLAN
- A2.08 PARTIAL GROUND FLOOR PLAN
- A2.09 PARTIAL GROUND FLOOR PLAN
- A2.10 PARTIAL GROUND FLOOR PLAN
- A2.11 PARTIAL GROUND FLOOR PLAN - **GYMNASIUM**
- A2.12 PARTIAL **SECOND** FLOOR PLAN
- A2.13 PARTIAL **SECOND** FLOOR PLAN
- A2.14 PARTIAL **SECOND** FLOOR PLAN
- A2.15 PARTIAL **SECOND** FLOOR PLAN
- A2.16 PARTIAL **SECOND** FLOOR PLAN
- A2.17 PARTIAL **SECOND** FLOOR PLAN
- A2.18 PARTIAL **SECOND** FLOOR PLAN
- A2.19 STAIR PLANS
- A3.01 OVERALL GROUND FLOOR REFLECTED CEILING PLAN
- A3.02 OVERALL SECOND FLOOR REFLECTED CEILING PLAN
- A3.03 REFLECTED CEILING PLAN DETAILS
- A3.04 REFLECTED CEILING PLAN DETAILS
- A4.01 OVERALL ROOF PLAN
- A4.02 ROOF DETAILS
- A4.03 ROOF DETAILS
- A5.01 EXTERIOR ELEVATIONS
- A5.02 EXTERIOR ELEVATIONS AND WINDOW ELEVATIONS
- A5.03 WINDOW ELEVATIONS
- A6.01 BUILDING SECTIONS
- A6.02 BUILDING SECTIONS
- A6.03 BUILDING SECTIONS
- A6.04 BUILDING SECTIONS
- A7.01 WALL SECTIONS
- A7.02 WALL SECTIONS & SECTION DETAILS
- A7.03 WALL SECTIONS
- A7.04 WALL SECTIONS
- A7.05 WALL SECTIONS & SECTION DETAILS



1

## SECTION DETAIL

ASK-007

# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario St. Clair Catholic District School Board

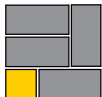
Project No.:

886

TYPICAL STAIR SECTION DETAIL FOR PORCELAIN TILE TREADS - ALTERNATE PRICE #3

Plot Date:

2018-06-04



**CORNERSTONE**  
ARCHITECTURE **E**

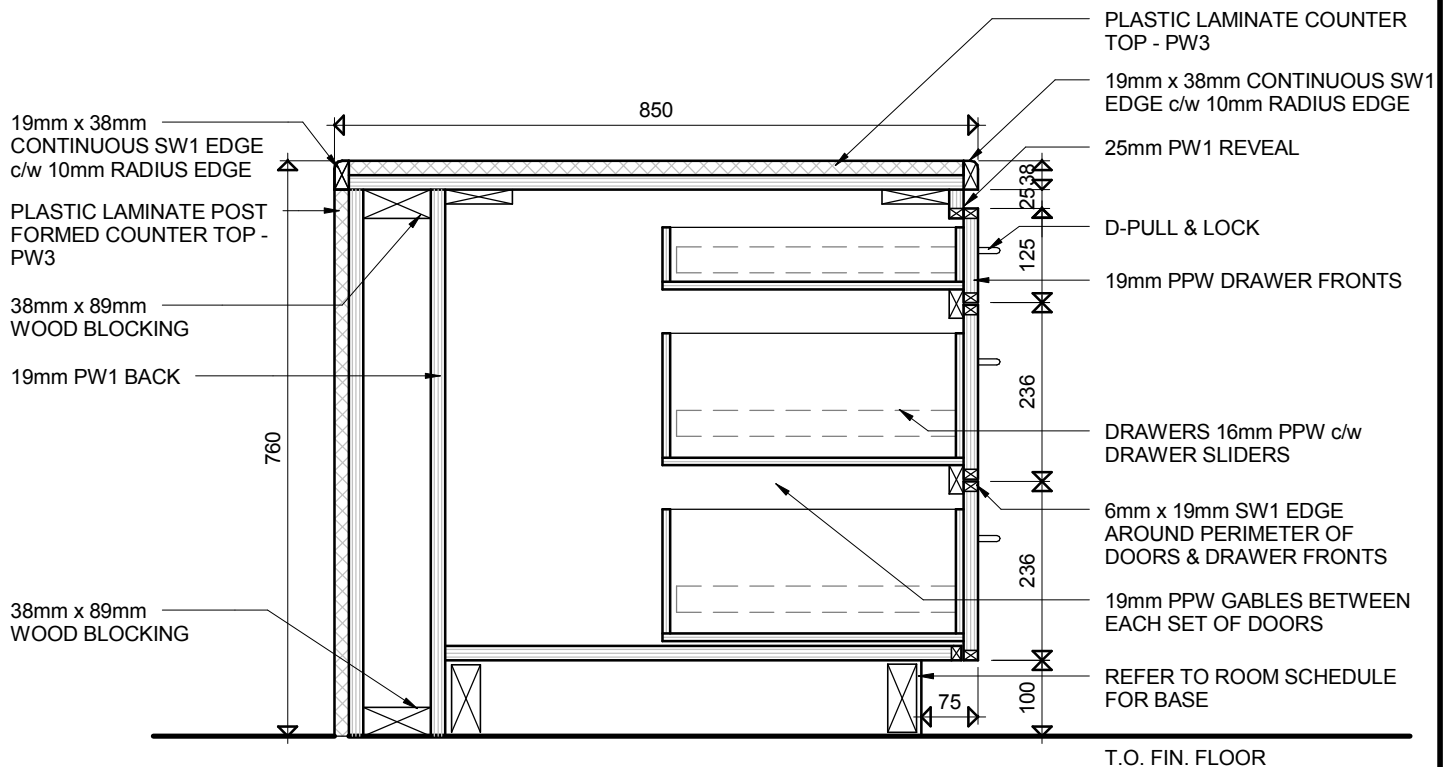
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**ASK-007**





# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario St. Clair Catholic District School Board

RECEPTION DESK IN LEARNING COMMONS @  
CABINET

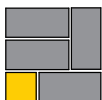
Project No.:

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Plot Date:

2018-06-04

ASK-009

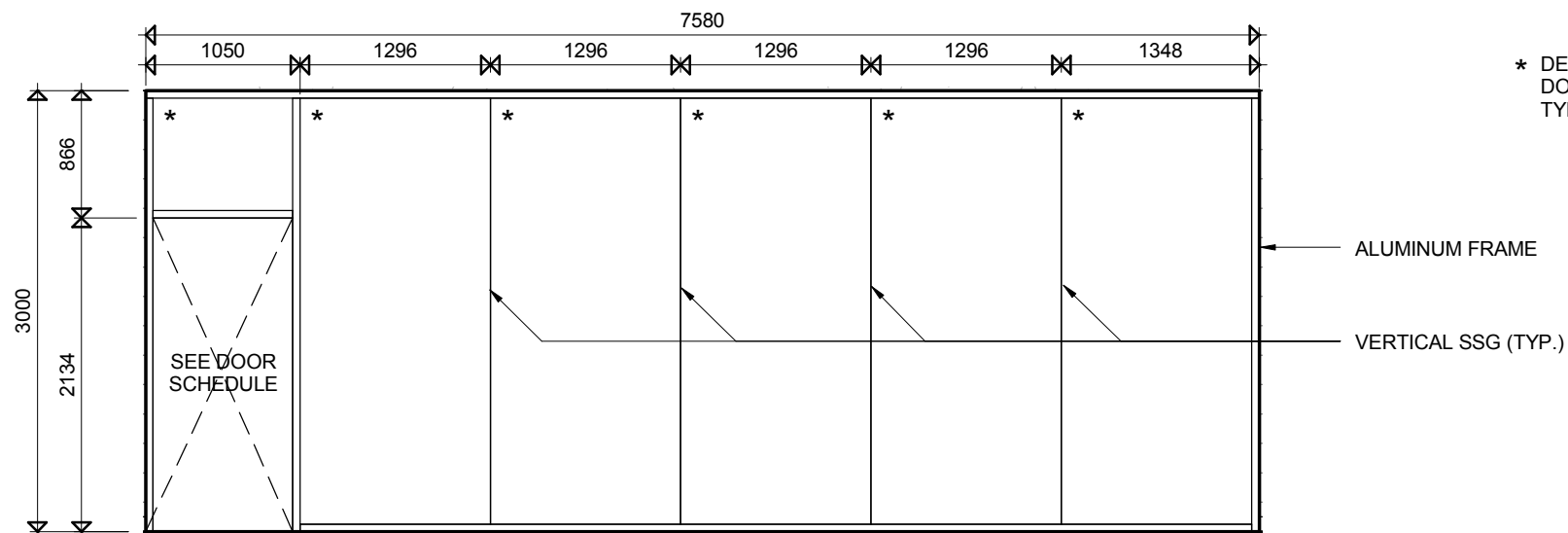


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ARCHITECTURE E

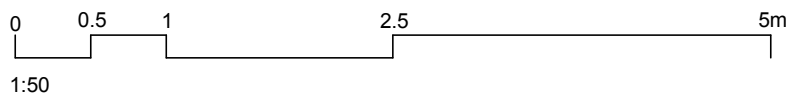
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FE-1



# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario

St. Clair Catholic District School Board

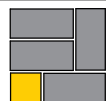
Project No.:

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Plot Date:

05/31/18

REVISED FRAME ELEVATION FE-1



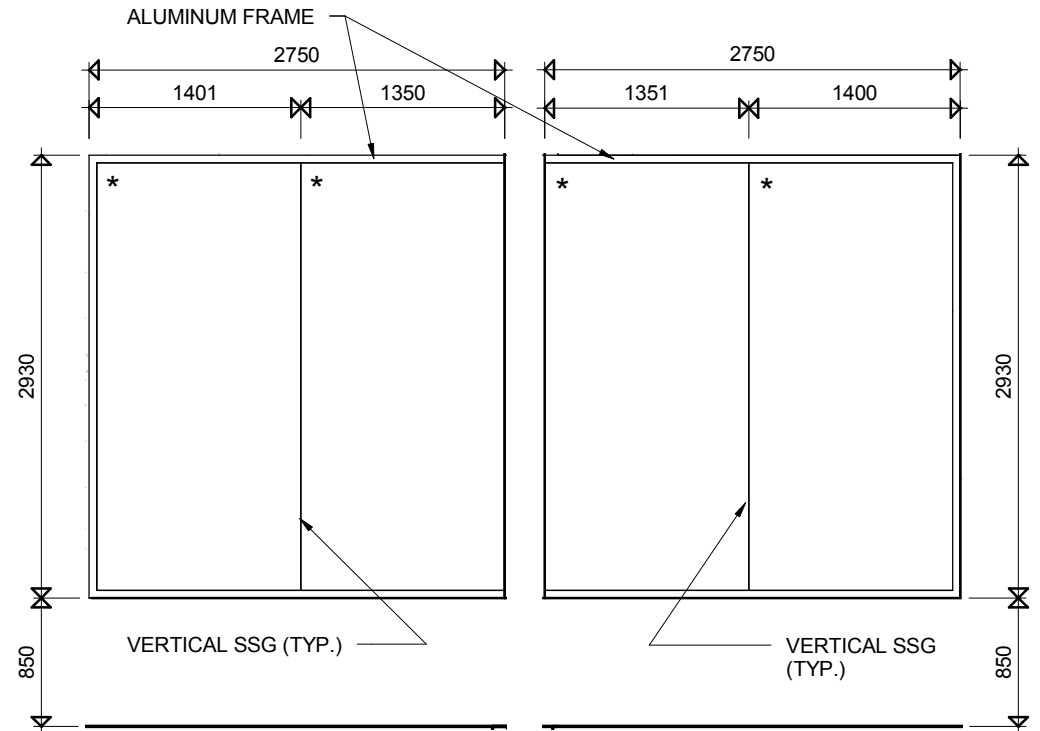
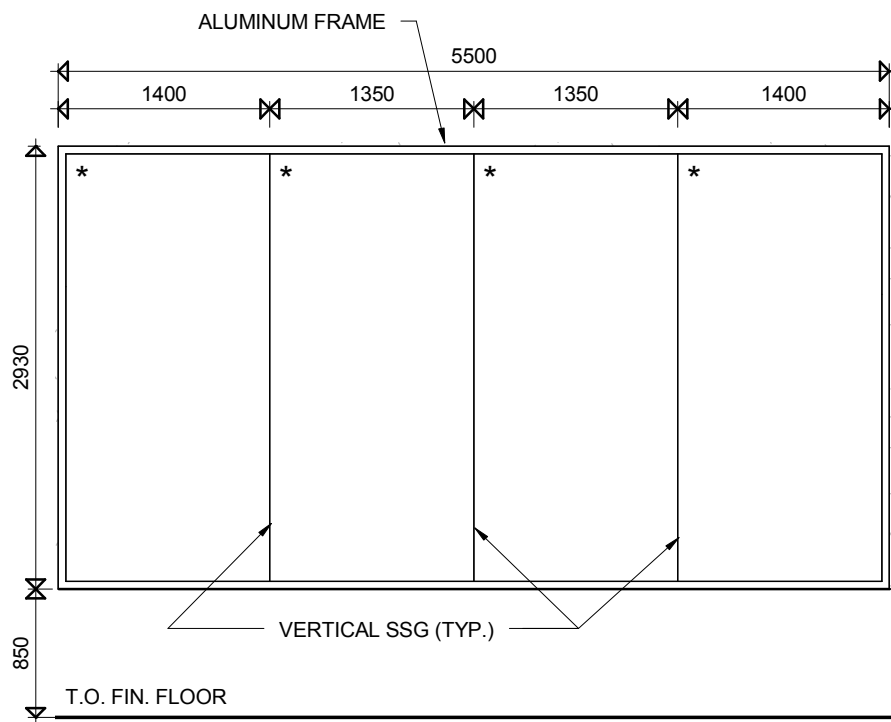
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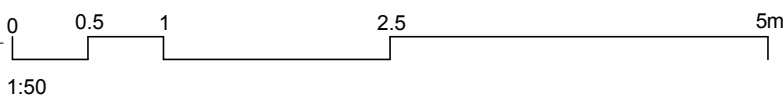
ASK-010





1  
ASK-011

FE-16



2  
ASK-011

FE-17

3  
ASK-011

FE-18

# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario

St. Clair Catholic District School Board

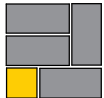
Project No.:

886

Plot Date:

05/31/18

REVISED FRAME ELEVATION FE-16, FE-17, FE-18

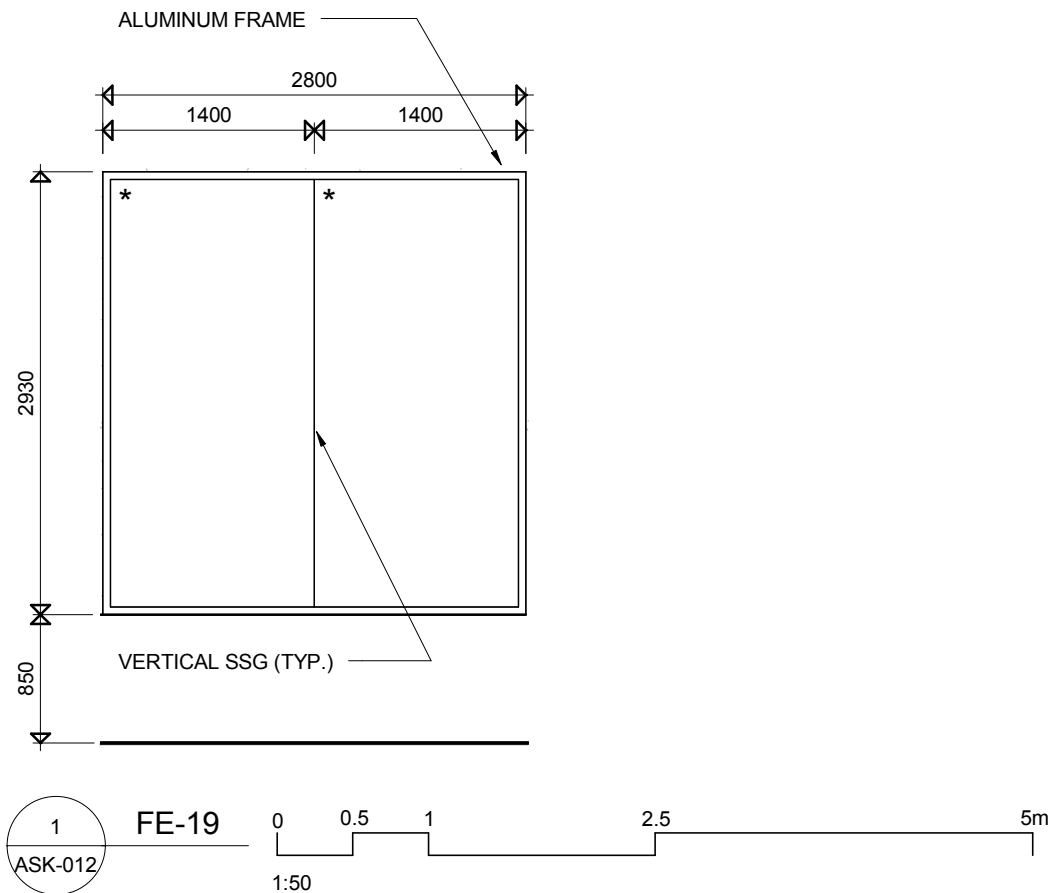


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ASK-011



# North Chatham Catholic Elementary School

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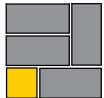
Project No.:

886

Plot Date:

05/31/18

REVISED FRAME ELEVATION FE-19

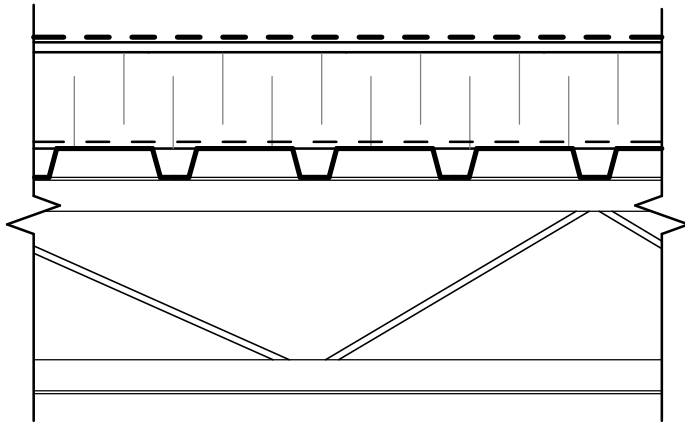


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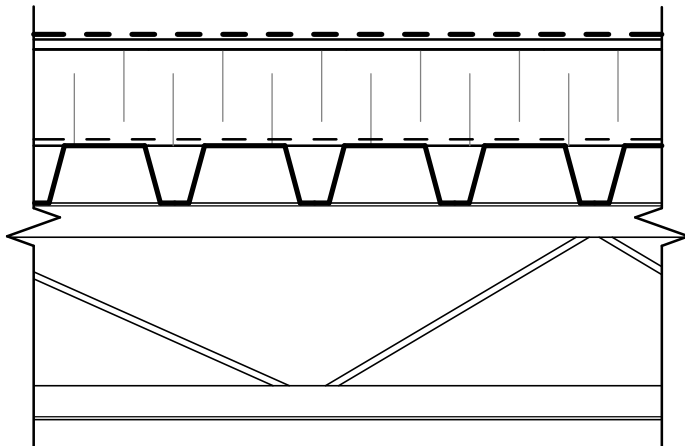
cornerstonearchitecture.ca

**ASK-012**



#### TYPICAL FLAT ROOF CONSTRUCTION

- MOD BIT MEMBRANE ON
- 13mm min. FIBRE BOARD ON
- 152mm MIN. SLOPED INSULATION (AS REQ'D) RSI 6.2 ON
- CONT. VAPOUR RETARDER ON
- 38mm STEEL DECK ON STEEL STRUCTURE  
(REFER TO STRUC. DWGS.)

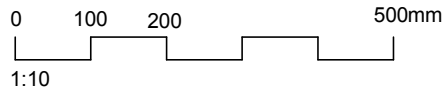


#### TYPICAL FLAT ROOF CONSTRUCTION

- MOD BIT MEMBRANE ON
- 13mm min. FIBRE BOARD ON
- 152mm MIN. SLOPED INSULATION (AS REQ'D) RSI 6.2 ON
- CONT. VAPOUR RETARDER ON
- 76mm ACOUSTIC STEEL DECK ON STEEL STRUCTURE  
(REFER TO STRUC. DWGS.)
- FIRE RATE DECK FLUTES AT RATED WALLS  
SEE DETAIL THIS PAGE



#### ROOF CONSTRUCTION



## North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario St. Clair Catholic District School Board

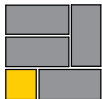
Project No.:

886

### REVISED ROOF CONSTRUCTION ON A0.01

Plot Date:

2018-06-04



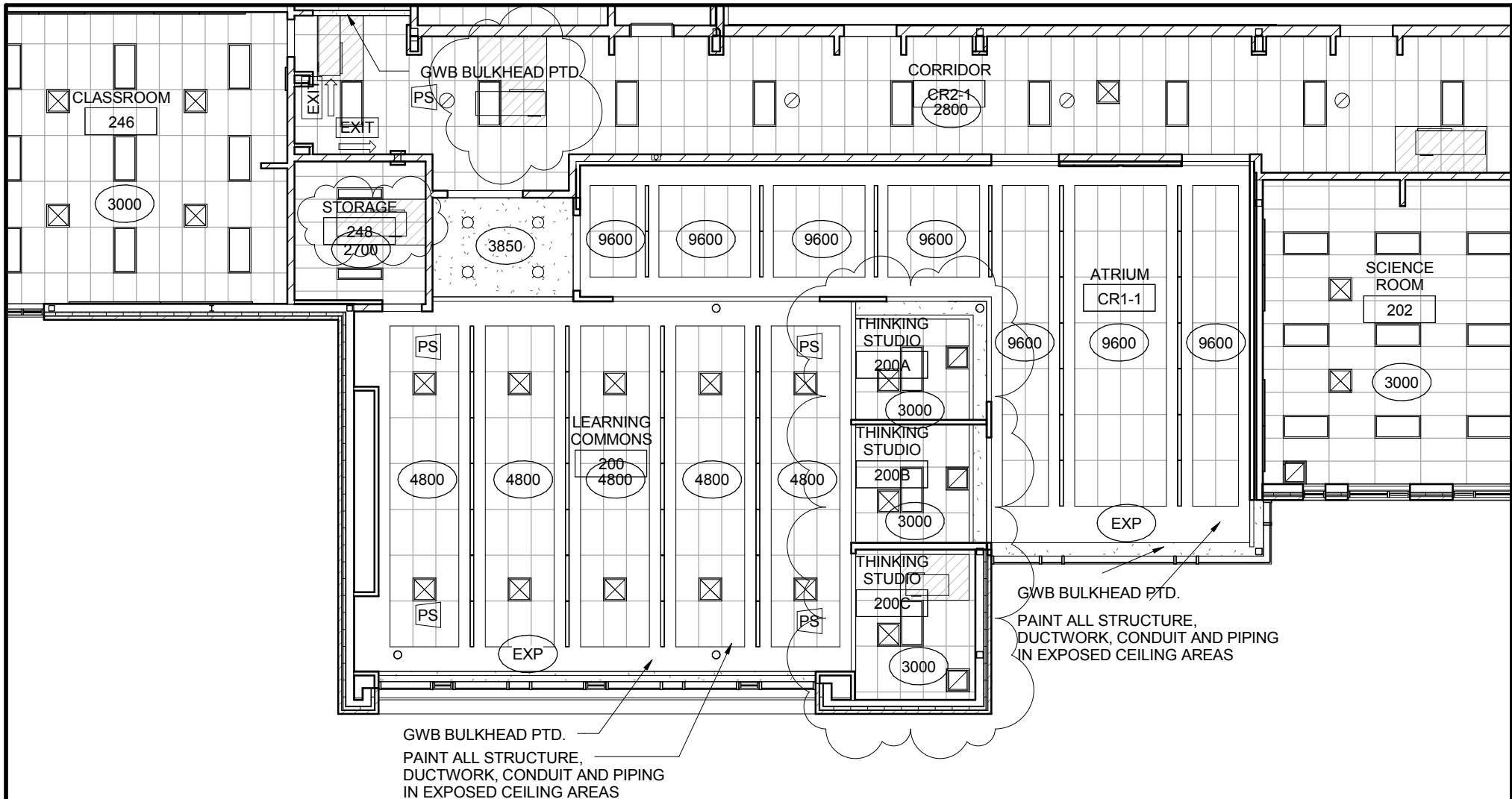
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**ASK-013**



# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario

St. Clair Catholic District School Board

Project No.:

886

Plot Date:

06/01/18

REVISE LIGHT FIXTURE & REMOVABLE GRID LOCATIONS ON A3.02

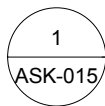
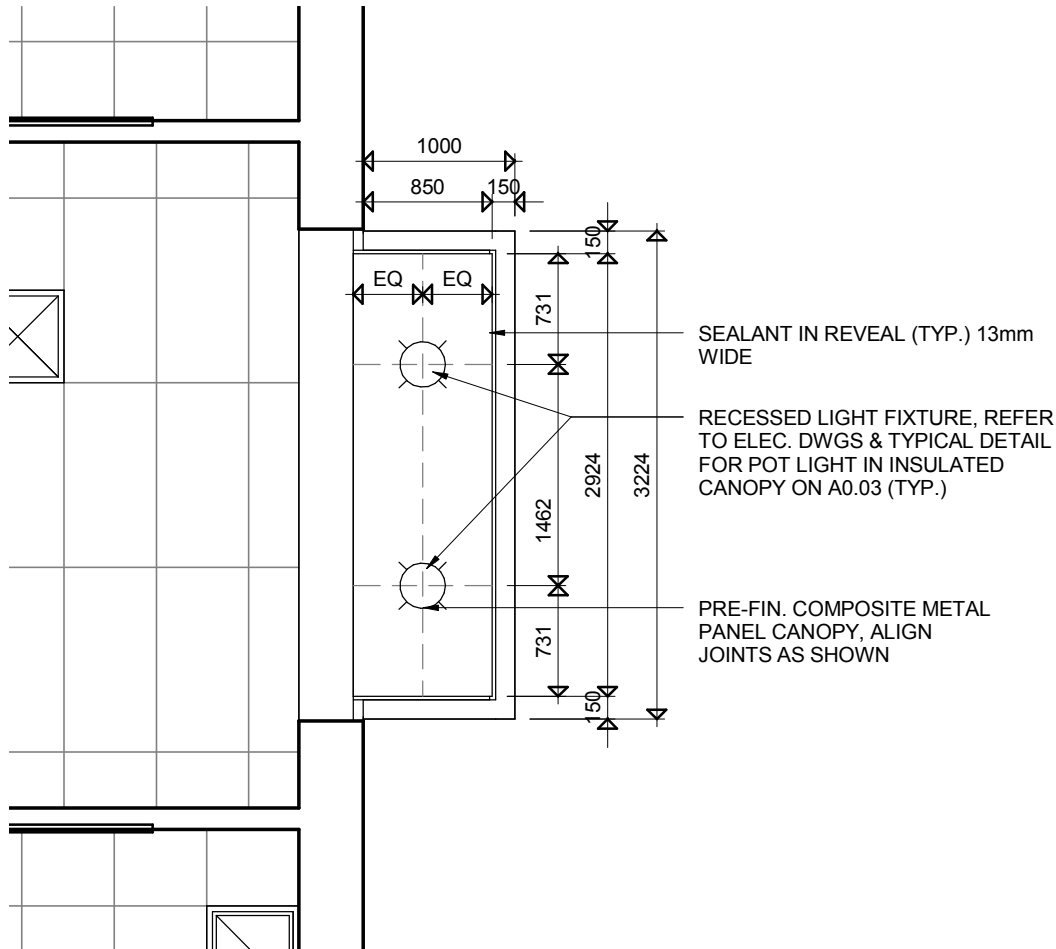


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**ASK-014**



PARTIAL REFLECTED CEILING PLAN

# North Chatham Catholic Elementary School

801 McNaughton Avenue West, Chatham Ontario St. Clair Catholic District School Board

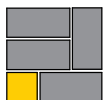
Project No.:

886

REVISED PARTIAL REFLECTED CEILING PLAN  
3/A3.03

Plot Date:

05/30/18



**CORNERSTONE**  
ARCHITECTURE

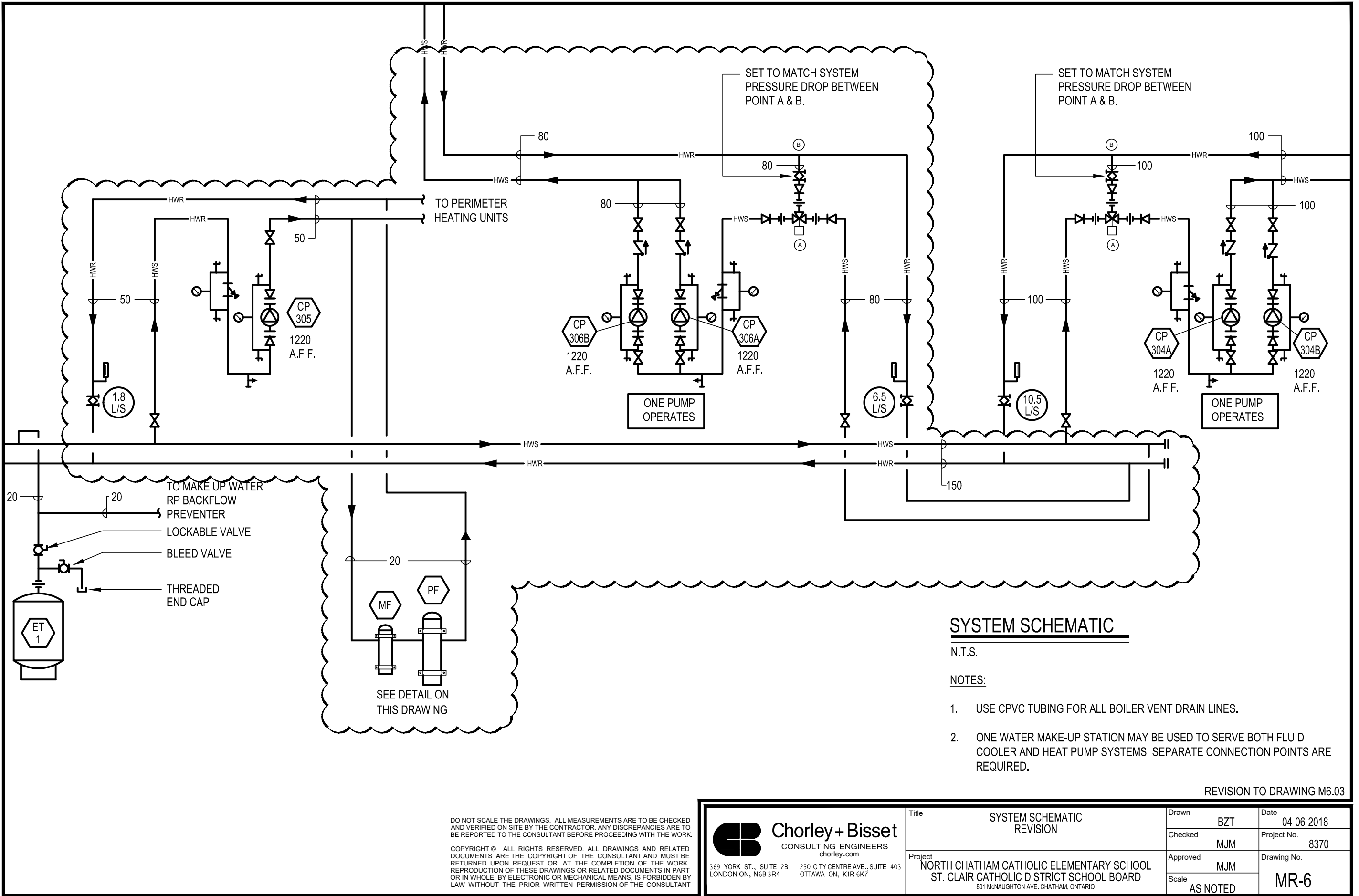
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**ASK-015**

FILE NAME: 8370RM006.DWG  
DATE SAVED: 01-Jun-2018 1:40 PM  
DATE PLOTTED: 04-Jun-2018 8:50 AM



## MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	FIRE EXTINGUISHER - RECESSED

REVISION TO DRAWING M1.01

FILE NAME: 8370RM007.DWG  
DATE SAVED: 01-Jun-2018 1:41 PM  
DATE PLOTTED: 04-Jun-2018 8:50 AM

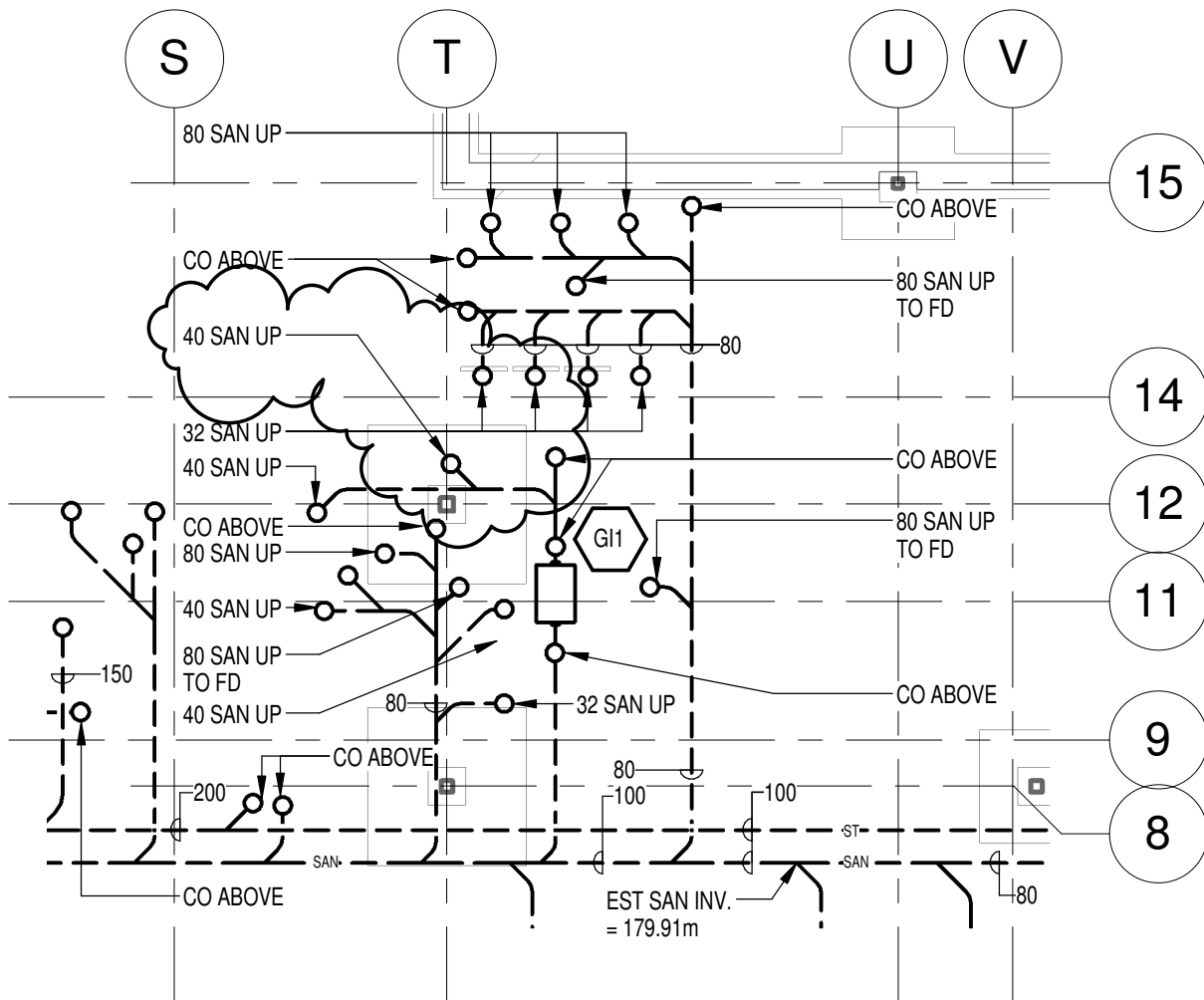


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LONDON ON, N6B 3R4 OTTAWA ON, K1R 6K7

Title	MECHANICAL LEGEND REVISION	Drawn	BZT	Date	04-06-2018
		Checked	MJM	Project No.	8370
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNOUGHTON AVE. W, CHATHAM ONTARIO	Approved	MJM	Drawing No.	MR-7
		Scale	1:50		

SHEET NAME: MR-8 CHILD CARE - DRAINAGE - REVISION  
DATE PLOTTED: 2018-06-04 8:51:28 AM



REVISION TO DRAWING M2.02



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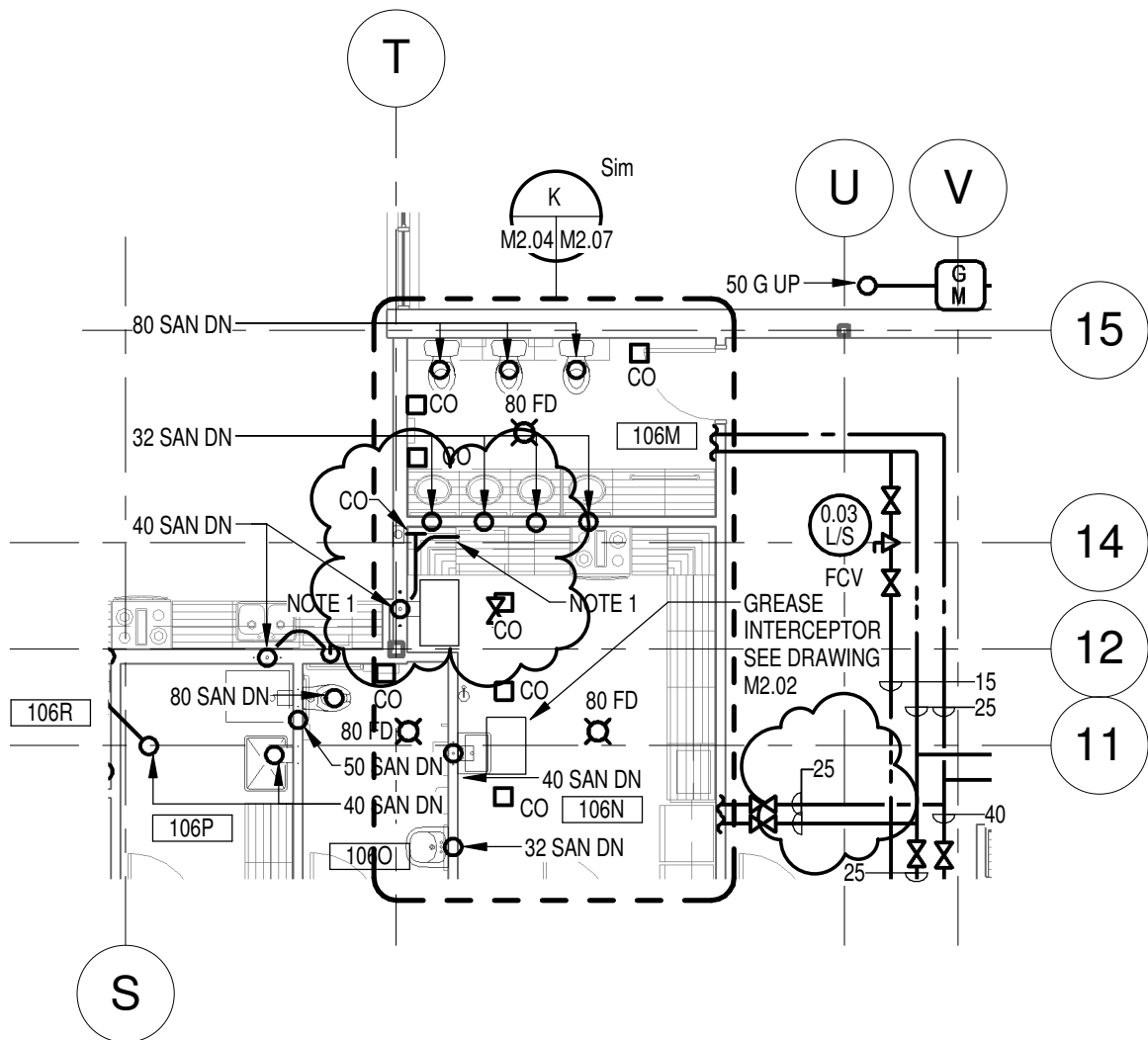
369 YORK ST. SUITE 2B, LONDON, ON, CANADA N6B 3R4  
P: 519-679-8660 F: 519-679-2145 chorley.com

Title	CHILD CARE CENTRE - DRAINAGE REVISION
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO

Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-8
Scale	1:100		



SHEET NAME: MR-9 CHILD CARE - PLUMBING - REVISION  
DATE PLOTTED: 2018-06-04 8:51:31 AM



REVISION TO DRAWING M2.04



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Title	CHILD CARE CENTRE - PLUMBING REVISION	Drawn	BZT	Date	04-06-2018
		Checked	JDF	Project No.	8370
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO	Approved	JDF	Drawing No.	MR-9
		Scale	1:50		

SHEET NAME: MR-10 PLUMBING DETAIL "K" - REVISION  
DATE PLOTTED: 2018-06-04 8:51:34 AM

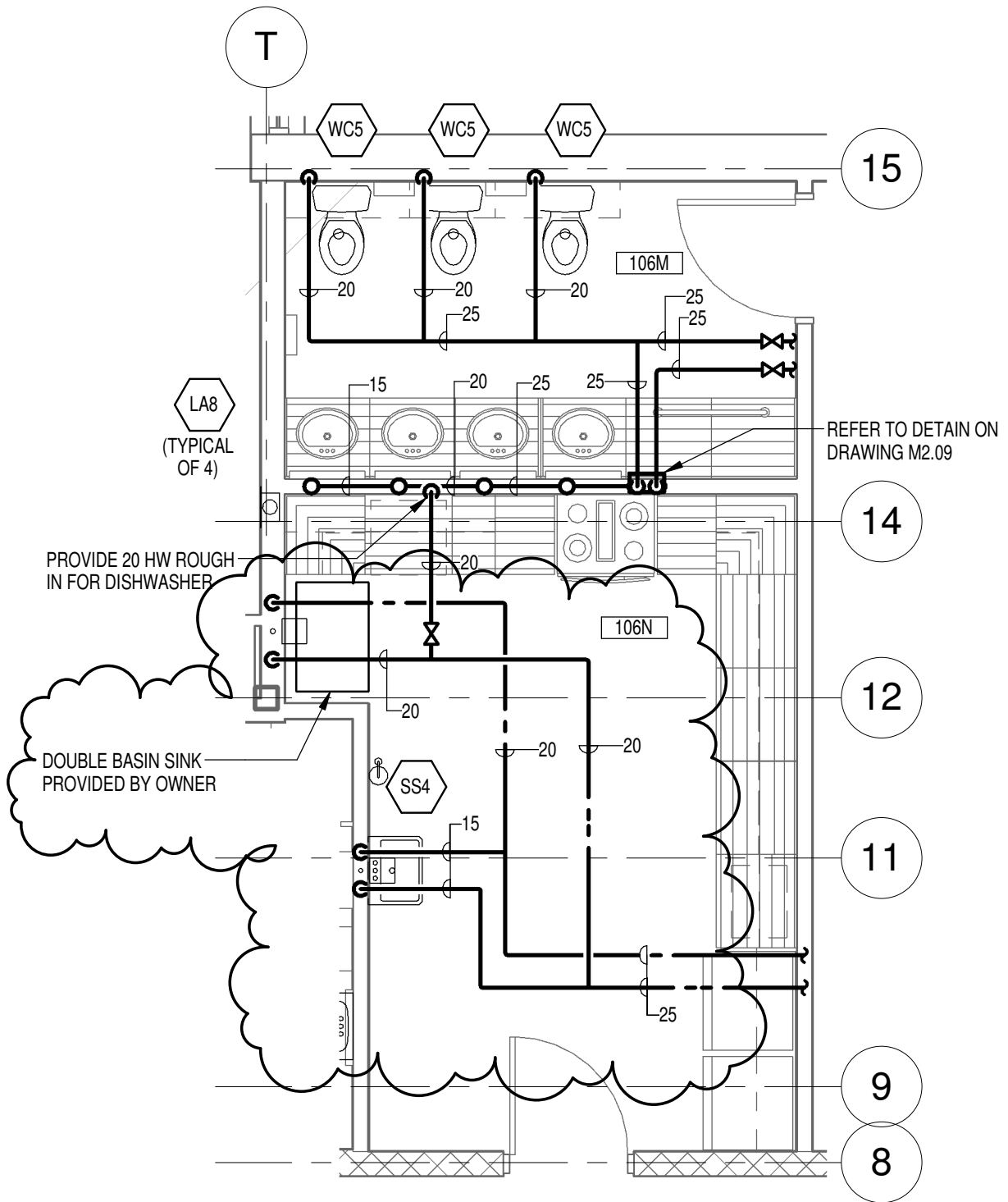


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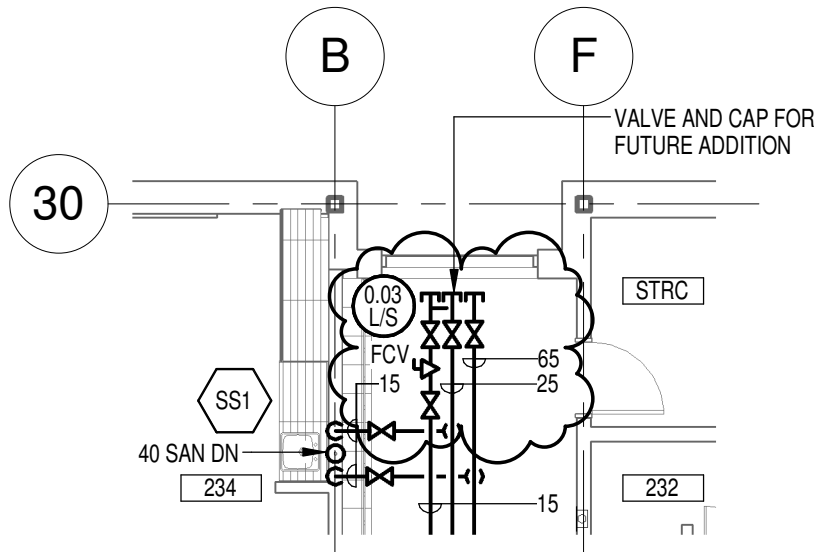
369 YORK ST. SUITE 2B, LONDON, ON, CANADA N6B 3R4  
P: 519-679-8660 F: 519-679-2145 chorley.com

Title	PLUMBING DETAIL "K" REVISION
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W, CHATHAM, ONTARIO

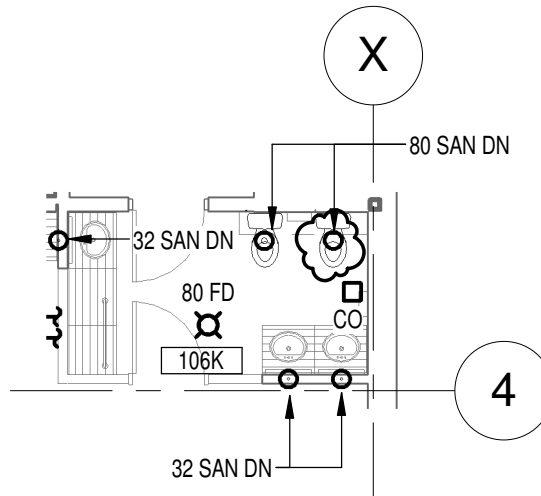
Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-10
Scale	1:50		



REVISION TO DRAWING M2.07



**PART SECOND FLOOR PLAN - PLUMBING**  
SCALE 1 : 100



**PART CHILD CARE - PLUMBING**  
SCALE 1 : 100

REVISION TO DRAWING M2.04 & M2.05



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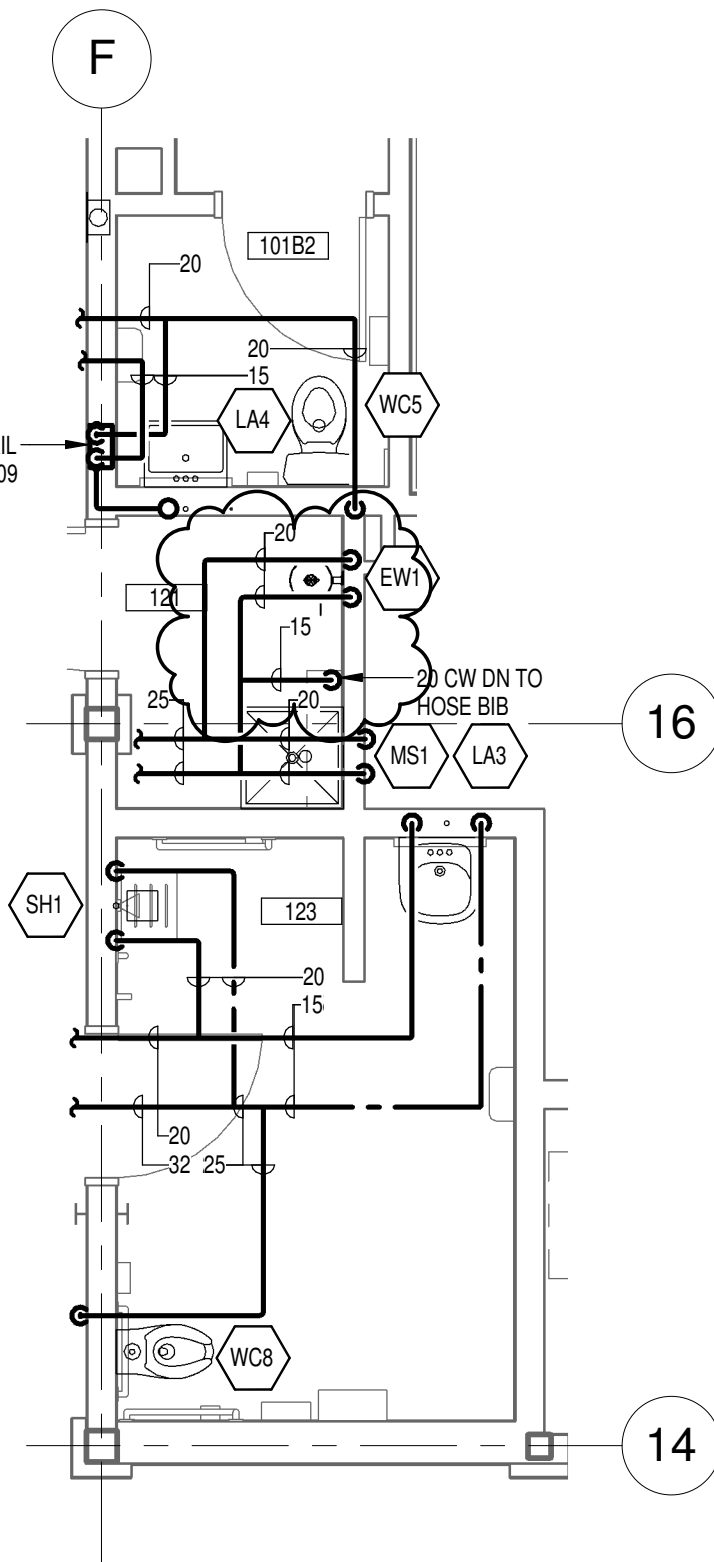
369 YORK ST. SUITE 2B, LONDON, ON, CANADA N6B 3R4  
P: 519-679-8660 F: 519-679-2145 chorley.com

Title  
**CHILD CARE CENTRE - PLUMBING  
REVISION**

Project  
**NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL  
ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD  
801 McNAUGHTON AVE. W, CHATHAM, ONTARIO**

Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-11
Scale	AS NOTED		

SHEET NAME: MR-12 PLUMBING DETAIL "J" - REVISION  
DATE PLOTTED: 2018-06-04 8:51:39 AM



REVISION TO DRAWING M2.07



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P: 519-679-8660 F: 519-679-2145 chorley.com

Title	PLUMBING DETAIL "J" REVISION
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W, CHATHAM, ONTARIO

Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-12
Scale	1:50		



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Date	04-06-2018
Project No.	8370
Drawing No.	MR-13

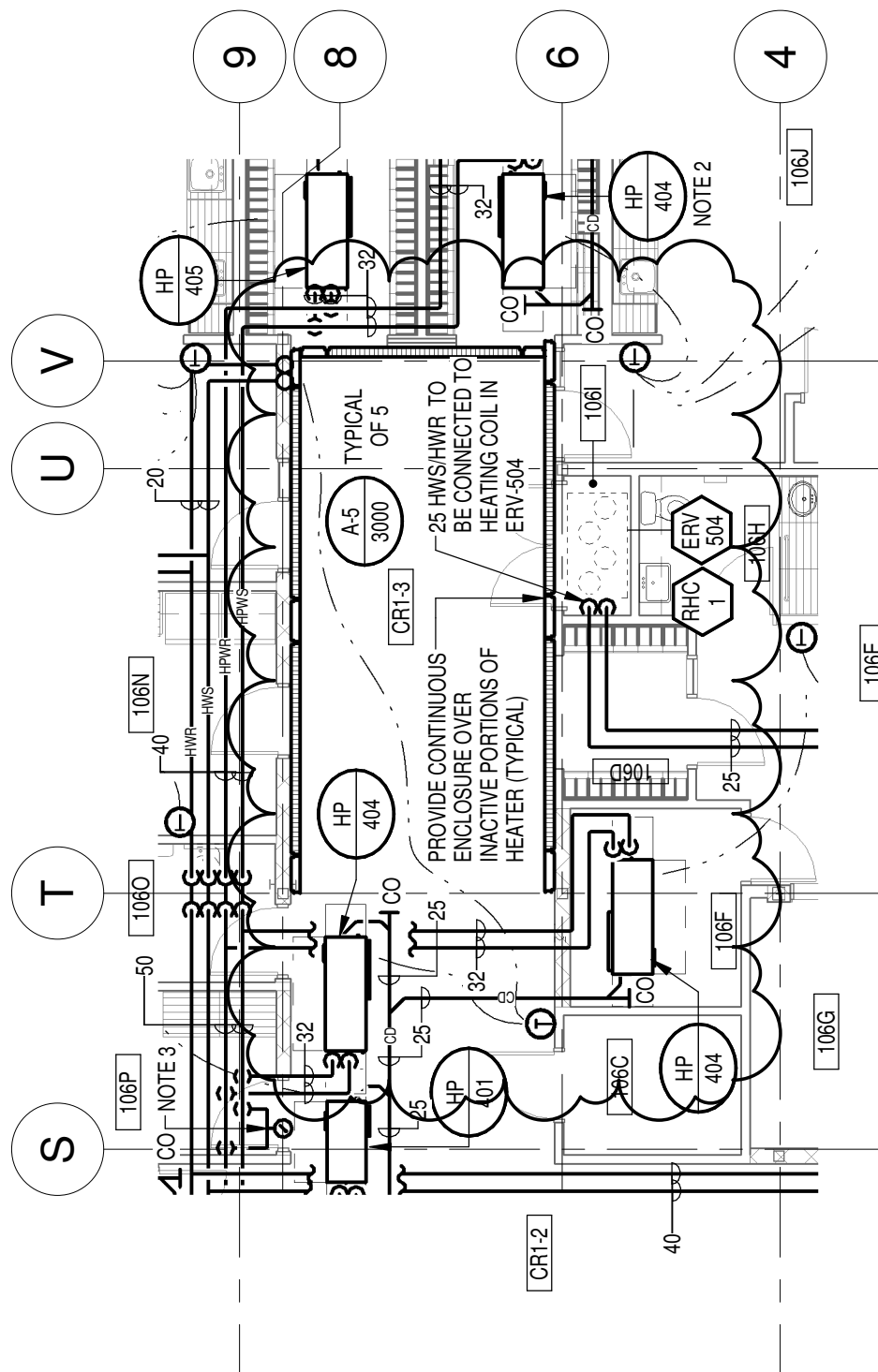


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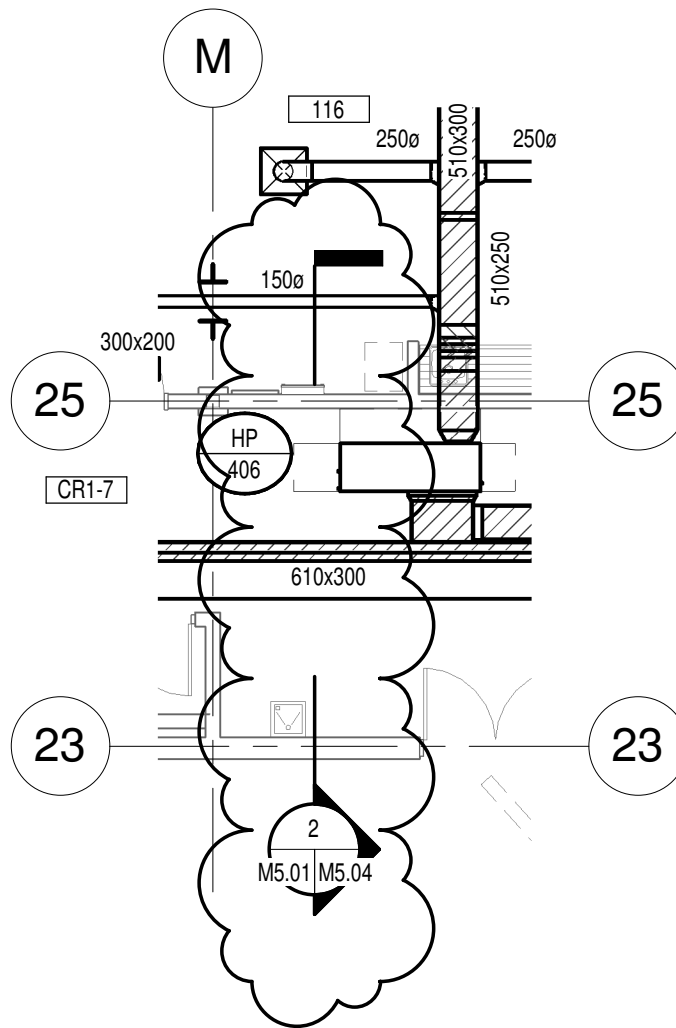
Title	CHILD CARE CENTRE - HEATING REVISION
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO

Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-14
Scale	1:100		



REVISION TO DRAWING M4.02

SHEET NAME: MR-15 PARTIAL GROUND FLOOR PLAN NORTH - AIR DISTRIBUTION - REVISION  
DATE PLOTTED: 2018-06-04 8:51:46 AM



REVISION TO DRAWING M5.01



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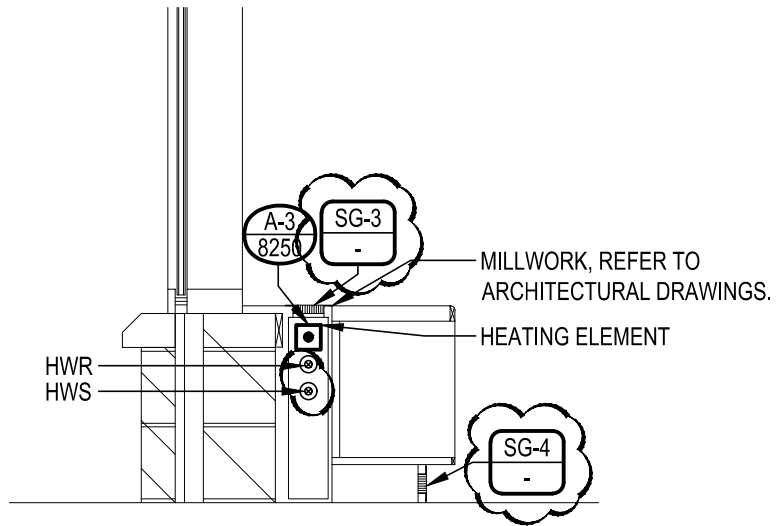
369 YORK ST. SUITE 2B, LONDON, ON, CANADA N6B 3R4  
P: 519-679-8660 F: 519-679-2145 chorley.com

Title	PARTIAL GROUND FLOOR PLAN NORTH AIR DISTRIBUTION REVISION
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO

Drawn	BZT	Date	04-06-2018
Checked	JDF	Project No.	8370
Approved	JDF	Drawing No.	MR-15
Scale	1:100		







SECTION

SCALE: NTS



REVISION TO DRAWING M4.05

FILE NAME: 8370RM017.DWG  
DATE SAVED: 04-Jun-2018 8:10 AM  
DATE PLOTTED: 04-Jun-2018 8:50 AM



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LONDON ON, N6B 3R4 OTTAWA ON, K1R 6K7

Title  
**HEATING DETAIL  
REVISION**

Project  
**NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL  
ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD**  
801 McNOUGHTON AVE. W, CHATHAM ONTARIO

Drawn  
**BZT**

Checked  
**MJM**

Approved  
**MJM**

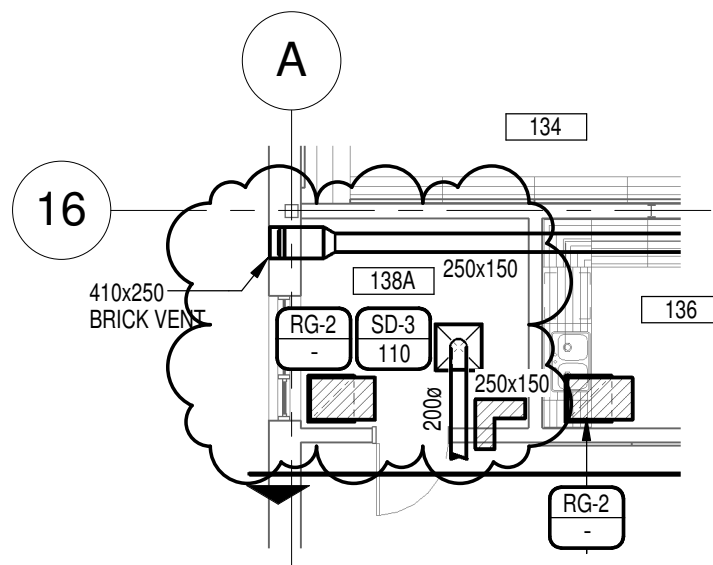
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Date  
**04-06-2018**

Project No.  
**8370**

Drawing No.  
**MR-17**

SHEET NAME: MR-18 PARTIAL GROUND FLOOR PLAN NORTH - AIR DISTRIBUTION - REVISION  
DATE PLOTTED: 2018-06-04 8:51:47 AM



REVISION TO DRAWING M5.01



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Title	PARTIAL GROUND FLOOR PLAN NORTH AIR DISTRIBUTION REVISION		
	Drawn	BZT	Date 04-06-2018
	Checked	JDF	Project No. 8370
	Approved	JDF	Drawing No. MR-18
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W, CHATHAM, ONTARIO		
Scale	1:100		



SHEET NAME: MR-20 ROOF PLAN - MECHANICAL - REVISION  
DATE PLOTTED: 2018-06-04 8:51:49 AM

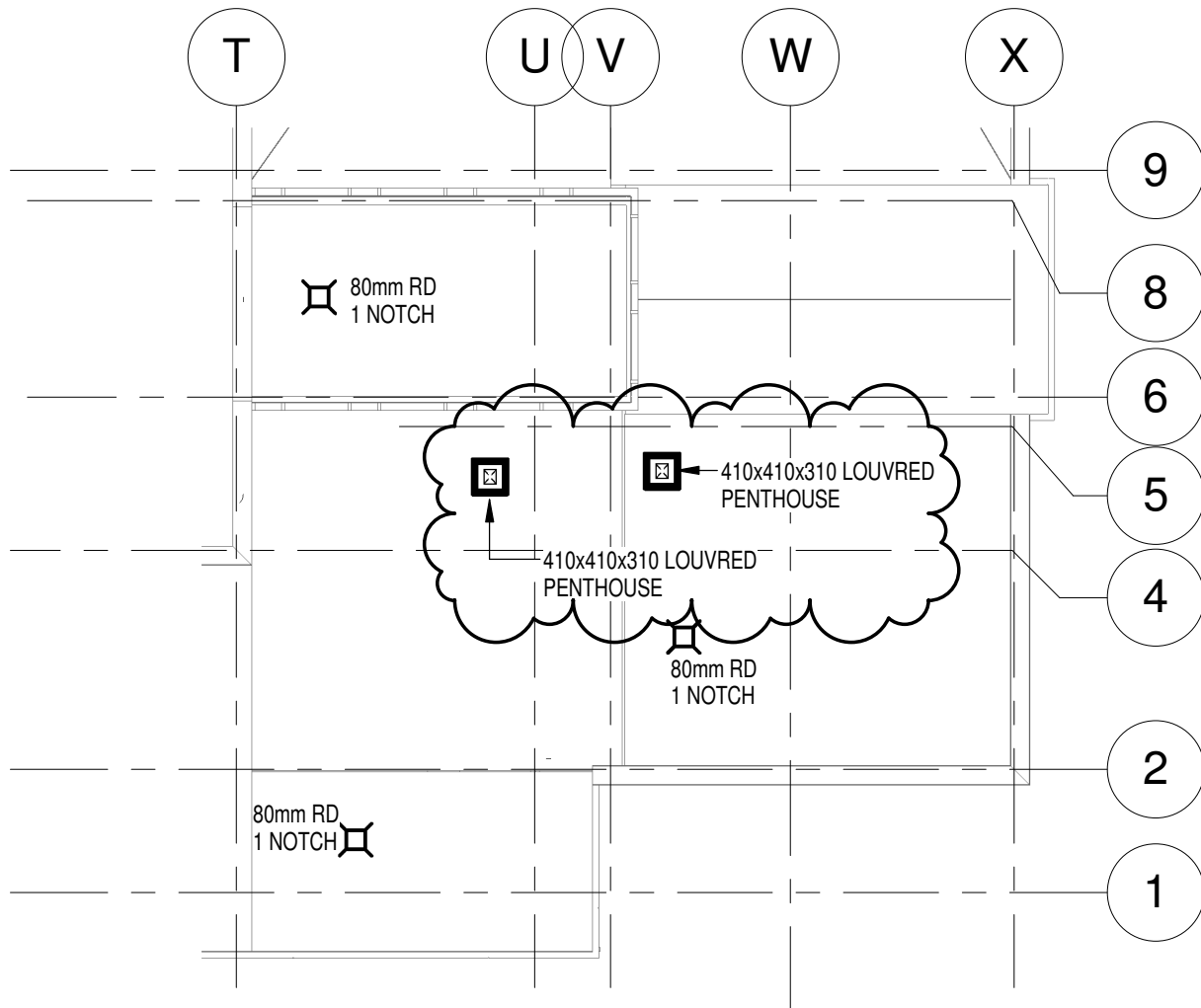


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Title	ROOF PLAN - MECHANICAL REVISION	Drawn	BZT	Date	04-06-2018
		Checked	JDF	Project No.	8370
Project	NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO	Approved	JDF	Drawing No.	MR-20
		Scale	1:100		

REVISION TO DRAWING M6.04





250 City Centre Ave, Suite 403  
Ottawa ON K1R 6K7  
P: 613-241-0030



369 York St, Suite 2B  
London ON N6B 3R4  
P: 519-679-8660

**PROJ. NAME:** SCCDSB - New North Chatham Elementary School  
**PROJ. NO :** 8370

**PANEL ID:** 1AL  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR 137  
**FED FROM:** DPB-1  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1	20	LTG CR1-6/STR4		2	20	LTG. CR1-1,125,140, 142A	
3	20	LTG. RM. 114,114A/B/C		4	20	LTG. RM. 100,102, 106R, 108	
5	20	LTG. RM. 112, 112A		6	20	LTG. RM. 100A/B/C, 144	
7	20	LTG. RM. 110, 110A/B/C		8	20	LTG. RM. 142	
9	20	LTG. 103,105,107,109,111,113		10	20	LTG. RM. 101	
11	15	SITE LTG.		12	20	LTG. RM. 101	
13				14	20	LTG. ATRIUM CR1-1	
15	20	EMERG. BATTERY EB2		16	20	EXTERIOR LTG.	
17	20	EMERG. BATTERY EB4		18			
19				20			
21				22			
23				24			
25				26			
27				28			
29				30			
31				32			
33				34			
35				36			
37				38			
39				40			
41				42			
43				44			
45				46			
47	15	SPARE		48	20	SPARE	
49	15	SPARE		50	20	SPARE	
51	15	SPARE		52	20	SPARE	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	

**PROJ. NAME:** SCCDSB - New North Chatham Elementary School

**PROJ. NO :** 8370

**PANEL ID:** 1B  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR CR1-7  
**FED FROM:** DPB-1  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1	20	REC. 126		2	20	REC. CORR. CR1-8	
3	20	REC. 126		4	20	REC. CORR. CR1-8	
5	20	REC. 128		6	15	DRINKING FOUNTAIN CR1-8	
7	20	REC. 128		8	20	REC. 124,122,120	
9	20	REC. 130		10	20 GFCI	GFCI REC. 124,122	
11	20	REC. 130		12	20	FAUCETS 124	
13	20	REC. 132		14	20	REC. 120	
15	20	REC. 132		16	20	REC. 120	
17	20	REC. 134		18	20	DATA RACK REC. 120	
19	20	REC. 134		20	20	REC. 117,119	
21	20	REC. 138		22	20	REC. 115	
23	20	REC. 138		24	20	REC. 101C,101D	
25	20 GFCI	GFCI REC. 126, 128, 130		26	20	FAUCET 101B1,101D1,123	
27	20 GFCI	GFCI REC. 132, 134, 138		28	20	REC. 101C	
29	20	LIFT REC. 134		30	20	REC. 101A,101B	
31	20 GFCI	GFCI REC. 136		32	20	GFCI REC. 121,125	
33	20	REC. 136		34	20	REC. 116	
35	15	FRIDGE		36	20	REC. 116	
37	15	FRIDGE		38	20 GFCI	GFCI REC. 116,118	
39	40	DISHWASHER 136		40	20	REC. 116A,116C	
41	2P			42	20	REC. 118	
43	50	RANGE 136		44	20	REC. 118	
45	2P			46	20	REC. CR1-7	
47	20	RANGE HOOD		48	20	LIFT REC. 123	
49	20	DOOR OPERATOR 123		50	15	DRINKING FOUNTAIN	
51	20	MICROWAVE 136		52	20	REC. 130	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	

**PROJ. NAME:** SCCDSB - New North Chatham Elementary School

**PROJ. NO :** 8370

**PANEL ID:** 1BL  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR CR1-7  
**FED FROM:** DPB-1  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1	20	LTG. RM. 126		2	20	LTG. RM. 120/122/124	
3	20	LTG. RM. 128		4	20	LTG. RM. 115/117/119	
5	20	LTG. RM. 130		6	20	LTG. RM. 101D/D1,101B/B1	
7	20	LTG. RM. 132		8	20	LTG. RM. 121/123/125	
9	20	LTG. STAIR 2		10	20	LTG. CR1-7	
11	20	LTG. RM. 134		12	20	LTG. 118/118A/116A	
13	20	LTG. RM. 136/138/138A		14	20	LTG. ELEV. 1	
15	20	LTG. CR1-8/V04/STR3		16			
17				18			
19				20			
21	20	EMERG. BATTERY EB1		22			
23	20	EMERG. BATTERY EB3		24			
25				26			
27				28			
29				30			
31				32			
33				34			
35				36			
37				38			
39				40			
41				42			
43				44			
45				46			
47	15	SPARE		48	20	SPARE	
49	15	SPARE		50	20	SPARE	
51	15	SPARE		52	20	SPARE	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	



**PROJ. NAME:** SCCDSB - New North Chatham Elementary School

**PROJ. NO :** 8370

**PANEL ID:** 1C  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR CR1-2  
**FED FROM:** DPB-1  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1	20	REC. CR1-2,CR1-3		2	20	HAND DRYERS 106S,106O	
3	15	DOOR OPERATOR V02		4	2P		
5	20	REC. 104		6	20 GFCI	GFCI REC. 106R,106S	
7	20 GFCI	GFCI REC. 104,106A		8	20 GFCI	GFCI REC. 106P	
9	20	REC. 106A		10	20	FREEZER 106P	
11	20	COPIER 106A		12	30	DRYER 106P	
13	20	MICROWAVE 106A		14	2P		
15	20	FRIDGE 106A		16		DOOR OPERATOR 106O	
17	20	REC. 106B		18	20 GFCI	GFCI REC. 106N	
19	20	REC. 106C,106F		20	20	REC. 106N	
21	20	REC. 106C,106F		22	40	DISHWASHER 106N	
23	20	REC. 106G		24	2P		
25	20	REC. 106E		26	20	RANGE HOOD 106N	
27	20	FRIDGE 106E		28	50	RANGE 106N	
29	20	MICROWAVE 106E		30	2P		
31	20 GFCI	GFCI REC. 106E,106H		32	20	FRIDGE 106N	
33	20	REC. 106J		34	20	FRIDGE 106N	
35	20 GFCI	GFCI REC. 106J,106K		36	20	REC. 106L	
37	20 GFCI	GFCI REC. 106P		38	20 GFCI	GFCI REC. 106L	
39				40	20	FAUCETS 106M,106S	
41				42	20	FAUCETS 106K,106H	
43				44	20	FAUCET 106O	
45				46	20	MICROWAVE 106N	
47	15	SPARE		48	20	SPARE	
49	15	SPARE		50	20	SPARE	
51	15	SPARE		52	20	SPARE	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	

250 City Centre Ave, Suite 403  
Ottawa ON K1R 6K7  
P: 613-241-0030



369 York St, Suite 2B  
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P: 519-679-8660

**PROJ. NAME:** SCCDSB - New North Chatham Elementary School  
**PROJ. NO :** 8370

**PANEL ID:** 1CL  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR CR1-2  
**FED FROM:** DPB-1  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1				2	20	LTG. 104,106A/B	
3	20	LTG. RM. 106N/O/P/R/S		4	20	LTG. CR1-3,CR1-2,106C	
5	20	LTG. RM. 106L/M, V03		6	20	LTG. 106E/F/G/H	
7				8	20	LTG. 106J/K	
9				10			
11	20	EMERG. BATTERY EB5		12			
13	20	EMERG. BATTERY EB6		14			
15				16			
17				18			
19				20			
21				22			
23				24			
25				26			
27				28			
29				30			
31				32			
33				34			
35				36			
37				38			
39				40			
41				42			
43				44			
45				46			
47	15	SPARE		48	20	SPARE	
49	15	SPARE		50	20	SPARE	
51	15	SPARE		52	20	SPARE	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	

**PROJ. NAME:** SCCDSB - New North Chatham Elementary School

**PROJ. NO :** 8370

**PANEL ID:** 2A  
**MAINS:** 100A  
**VOLTAGE:** 208/120V, 3Ø, 4W  
**MOUNTING:** FLUSH  
**NO OF CKT:** 60

**LOCATION:** CORRIDOR CR2-1  
**FED FROM:** DPB-2  
**COMMENTS:**

CKT	BRKR	DESCRIPTION	WATTS	CKT	BRKR	DESCRIPTION	WATTS
1	20	REC. CR2-2		2	20	REC. 218	
3	20	REC. CR2-2		4	20	REC. 218	
5	20	REC. 211		6	20	REC. 216	
7	20	REC. 209		8	20	REC. 214	
9	20 GFCI	GFCI REC. 201,203,207		10	20	REC. 214	
11	20	REC. 205		12	20	REC. 212	
13	30	REC. 205		14	20	REC. 212	
15	20	REC. CR2-2		16	20	REC. 210	
17	20	HAND DRYERS 201,203		18	20	REC. 210	
19	2P			20	20	REC. 208	
21	20	DRINKING FOUNTAIN CR2-1		22	20	REC. 208	
23	20	REC. CR2-1		24	20	REC. 206	
25	20	REC. 200,248		26	20	REC. 206	
27	20	REC. 200		28	20 GFCI	GFCI REC. 206,208,210	
29	20	REC. 200		30	20 GFCI	GFCI REC. 212,214,218	
31	20	REC. 200A,200B		32	15	BASKETBALL NET	
33	20	REC. 200C		34	15	PARTITION	
35	20	REC. 202		36			
37	20	REC. 202		38	3P		
39	20 GFCI	GFCI REC. 202		40	15	BASKETBALL NET	
41	20	REC. 204		42	20	REC. 212	
43				44			
45				46			
47	15	SPARE		48	20	SPARE	
49	15	SPARE		50	20	SPARE	
51	15	SPARE		52	20	SPARE	
53	15	SPARE		54	20	SPARE	
55	15	SPARE		56	20	SPARE	
57	15	SPARE		58	20	SPARE	
59	15	SPARE		60	20	SPARE	

MECHANICAL EQUIPMENT SCHEDULE													
EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 15, WIRED BY DIVISION 16							CONTROL EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 16	FED FROM	BREAKER SIZE	POLES	CONDUCTOR SIZE	CONDUIT SIZE	NOTES
ITEM	DESCRIPTION	LOCATION	hp	MCA	PHASE	VOLTS	STARTER / CONTROL TYPE						
AHU-101	AHU - SUPPLY FAN	MECHANICAL ROOM 219		52	3	600	DS	MCC #1	60	3	3 #6	27mm	
	AHU - EXHAUST FAN												
	LIGHTS AND RECEPTACLES												
BLR-501A	BOILER	MECHANICAL ROOM 219		20	3	208	MAN, DS	PANEL '2CM'	20	3	3 #12	21mm	
BLR-501B	BOILER	MECHANICAL ROOM 219		20	3	208	MAN, DS	PANEL '2CM'	20	3	3 #12	21mm	
CP-301A	CIRCULATING PUMP	MECHANICAL ROOM 219	2		3	600	FVNR, DS	MCC #1	15	3	3 #12	21mm	
CP-301B	CIRCULATING PUMP	MECHANICAL ROOM 219	2		3	600	FVNR, DS	MCC #1	15	3	3 #12	21mm	
CP-302A	CIRCULATING PUMP	MECHANICAL ROOM 219	15		3	600	VFD, DS	MCC #1	25	3	3 #12	21mm	
CP-302B	CIRCULATING PUMP	MECHANICAL ROOM 219	15		3	600	VFD, DS	MCC #1	25	3	3 #12	21mm	
CP-303A	CIRCULATING PUMP	MECHANICAL ROOM 219	1.0		3	600	FVNR, DS	MCC #1	15	3	3 #12	21mm	

CP-306B	CIRCULATING PUMP	MECHANICAL ROOM 219	2		3	600	FVNR, DS	MCC #1	15	3	3 #12	21mm	
CP-307	DWH CIRCULATING PUMP	MECHANICAL ROOM 219	FHP		1	120	CON, DS	PANEL '2CM'	15	1	2 #12	21mm	
DWH-503	DOMESTIC WATER HEATER	MECHANICAL ROOM 219			1	120	DS	PANEL '2CM'	15	1	2 #12	16mm	

ERV-504	ENERGY RECOVERY VENTILATOR	STORAGE 106I		31.4	3	208	DS	PANEL '1CM'	40	3	3 #8	27mm	
FC-502F	FLUID COOLER FAN	MECHANICAL ROOM 219	40		3	600	VFD, DS	MCC #1	50	3	3 #8	27mm	
FC-502P	FLUID COOLER PUMP	MECHANICAL ROOM 219	3		3	600	FVNR, DS	MCC #1	15	3	3 #12	21mm	

HP-403	HEAT PUMP	VARIOUS		11.3	1	208	DS	VARIOUS	15	2	2 #12	21mm	
HP-404	HEAT PUMP	VARIOUS		19.9	3	208	DS	VARIOUS	25	3	3 #10	21mm	
HP-405	HEAT PUMP	VARIOUS		21.0	3	208	DS	VARIOUS	30	3	3 #10	21mm	

NOTES:

- DIVISION 16 TO OBTAIN COPIES OF MECHANICAL EQUIPMENT SHOP DRAWINGS AND COORDINATE ELECTRICAL SERVICES.
- PROVIDE LOCAL NON-FUSED DISCONNECT SWITCHES AT MOTORS IN ACCORDANCE WITH SECTION 28-604 OF THE ONTARIO ELECTRICAL SAFETY CODE.
- UNLESS INDICATED OTHERWISE ALL CONTROL WIRING IS BY DIVISION 15.
- ALL VFD'S SHALL BE INSTALLED NEAR THE MOTORS CONTROLLED, MOUNTED ON INDEPENDENT UNISTRUT SUPPORT AND OUTSIDE OF MCC'S UNLESS OTHERWISE NOTED.
- UNLESS SHOWN OTHERWISE ON DRAWINGS, LOCATE MOTOR STARTERS ON WALL NEAR EQUIPMENT TO BE CONTROLLED. FOR ROOF MOUNTED EQUIPMENT OR EQUIPMENT IN CEILING SPACE, MOUNT STARTERS IN SERVICE ROOM ON WALL NEAR SOURCE POWER PANEL.

FILE NAME: 8370RE001.DWG  
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DATE PLOTTED: 04-Jun-2018 9:10 AM

11x17

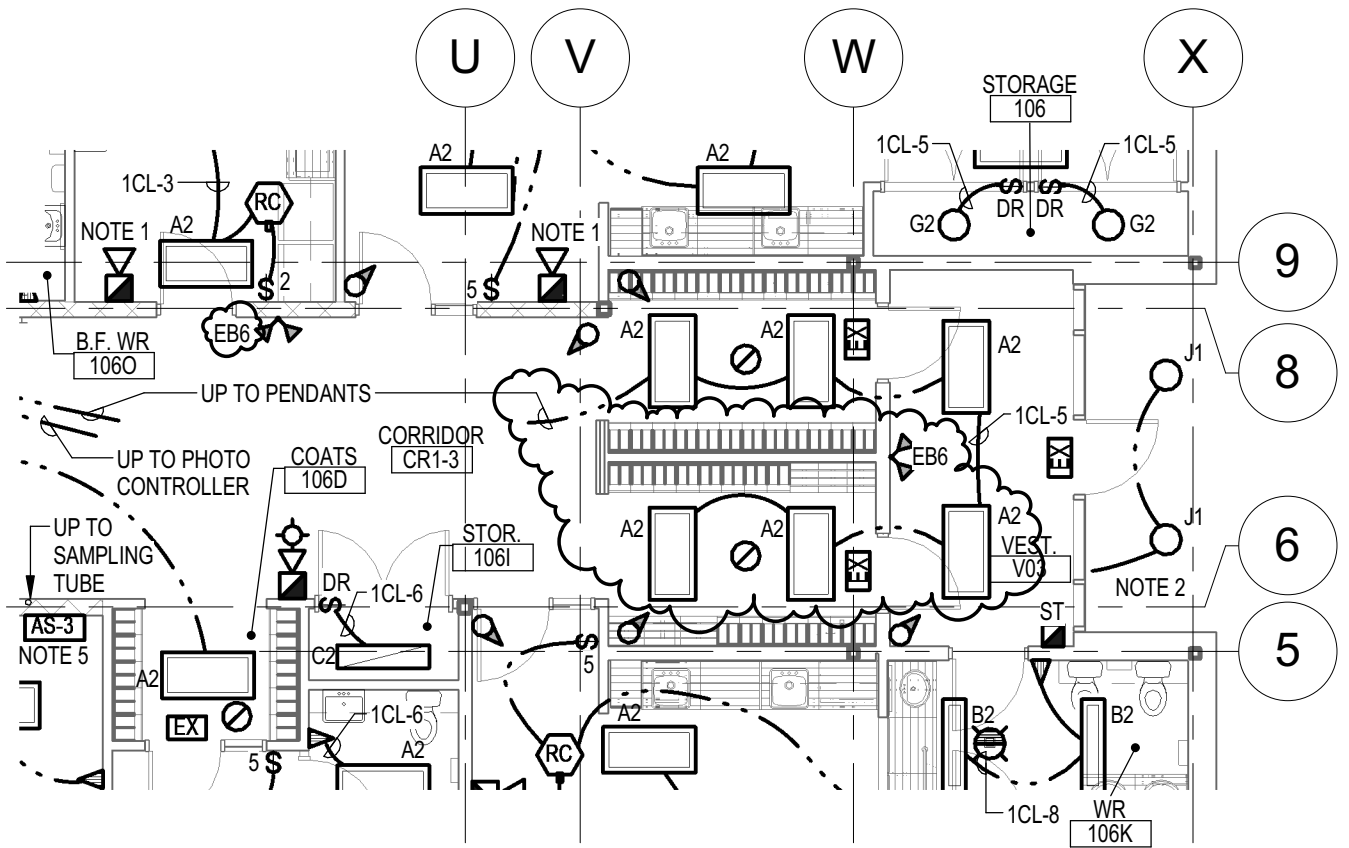
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Title	REVISIONS TO MECHANICAL EQUIPMENT SCHEDULE		Drawn	ALU	Date	JUNE 2018
			Checked	RDZ	Project No.	8370
Project	NORTH CHATHAM ELEMENTARY SCHOOL ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD CHATHAM, ONTARIO		Approved	RDZ	Drawing No.  ER-1	
			Scale	AS NOTED		



## Partial Child Care Centre - Lighting and Fire Alarm

SCALE 1: 100

### NOTES:

- ADJUST TAPS TO MINIMUM SETTING. MAINTAIN MINIMUM SOUND LEVEL OF 65dB AND 15dB ABOVE AMBIENT.
- LUMINAIRE TO BE CONNECTED TO OUTDOOR LIGHTING ROOM CONTROLLER LOCATED IN ELECTRICAL ROOM 140. CIRCUIT FROM 1AL-16.
- CONNECT EMERGENCY BATTERIES AS FOLLOWS:  
-EB5: 1CL-4  
-EB6: 1CL-5
- LIGHT SWITCH TO CONTROL RANGE HOOD LIGHT.
- LOCATE ASPIRATION MODULE AND TEST PORT WITHIN ACCESSIBLE SPACE.

PLAN  
NORTH



REVISIONS TO DRAWING E2.02



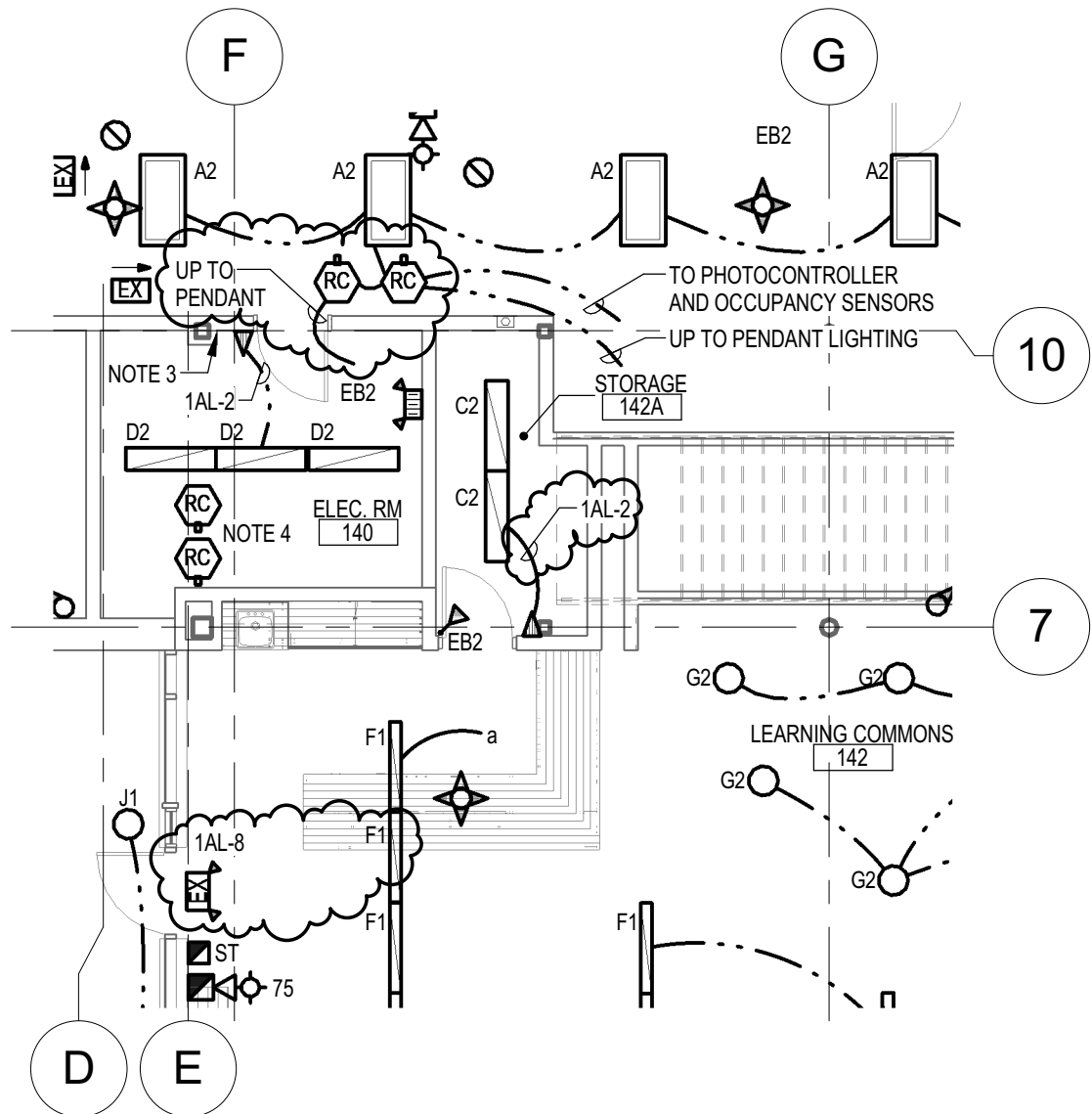
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P: 519-679-8660 F: 519-679-2145 [chorley.com](http://chorley.com)

Title PARTIAL CHILD CARE FLOOR PLAN  
REVISIONS TO LIGHTING  
Project NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL  
ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD  
801 McNAUGHTON AVE. W, CHATHAM, ONTARIO

Drawn	ALU	Date	06/01/18
Checked	RDZ	Project No.	8370
Approved	RDZ	Drawing No.	ER-2
Scale	AS NOTED		

SHEET NAME: ER-2 Unnamed  
DATE PLOTTED: 2018-06-01 2:59:32 PM



### Partial Ground Floor Plan South - Lighting and Fire Alarm

SCALE 1:100

#### NOTES:

3. PROVIDE LOW VOLTAGE SWITCHES c/w LED (ON/OFF) INDICATOR FOR STAIRS B,C,D, CORRIDORS CR1-1, CR1-6, CR1-7, CR1-8, CR2-2, CR2-3, CR2-4 AND VESTIBULE V-01 LIGHTING.
4. OUTDOOR LIGHTING ROOM CONTROLLERS.
5. LUMINAIRE TO BE CONNECTED TO OUTDOOR LIGHTING ROOM CONTROLLER LOCATED IN ELECTRICAL ROOM 140. CIRCUIT FROM 1AL-16.
6. CONNECT TO CR1-1 ROOM CONTROLLER. DISPLAY CABINET LIGHTING TO BE NON-DIMMING AND CLEARLY IDENTIFIED ON SWITCH IN ELECTRICAL ROOM 140.

PLAN  
NORTH



REVISIONS TO  
DRAWING E2.02



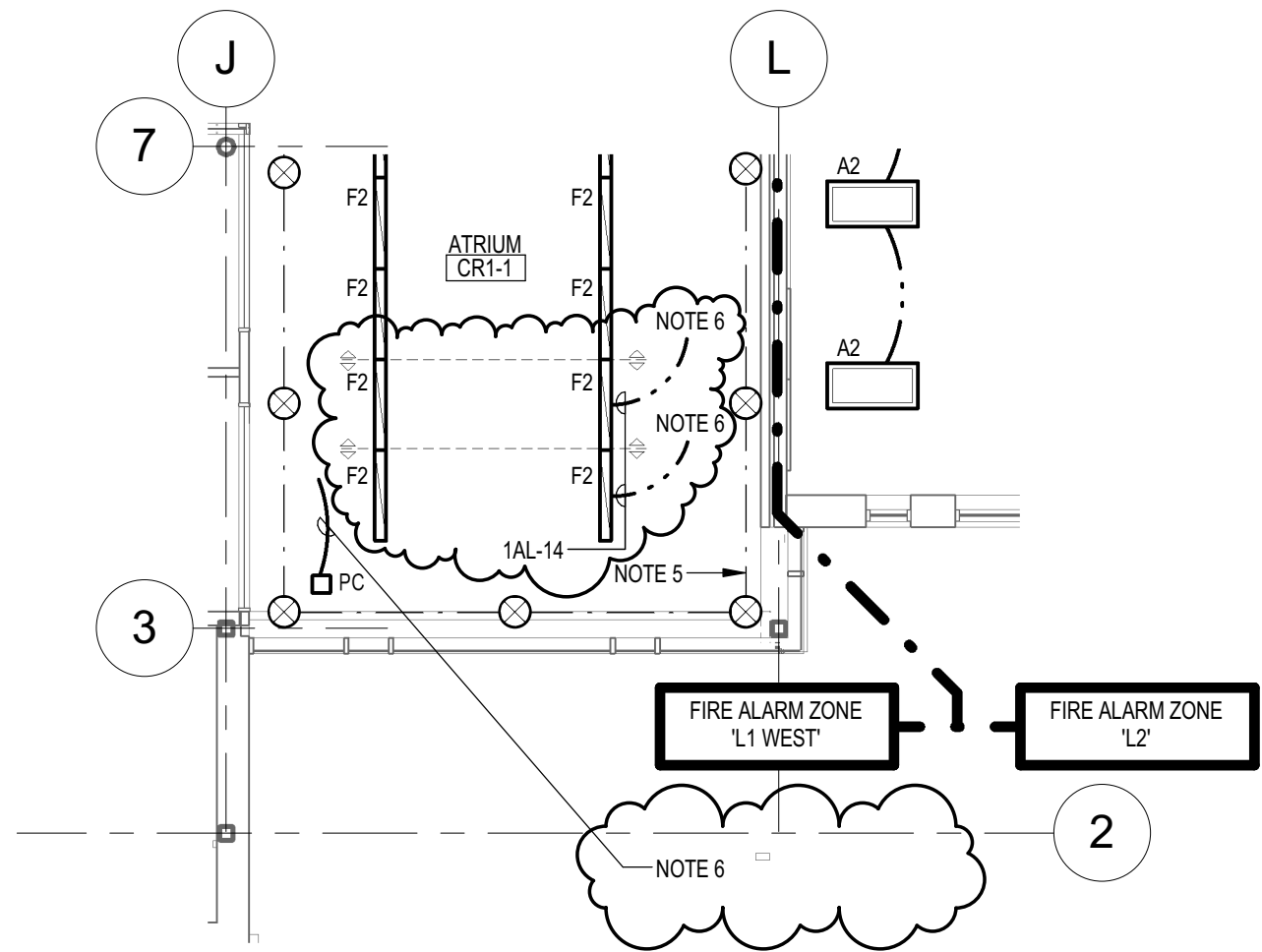
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Title PARTIAL GROUND FLOOR PLAN SOUTH  
REVISIONS TO LIGHTING

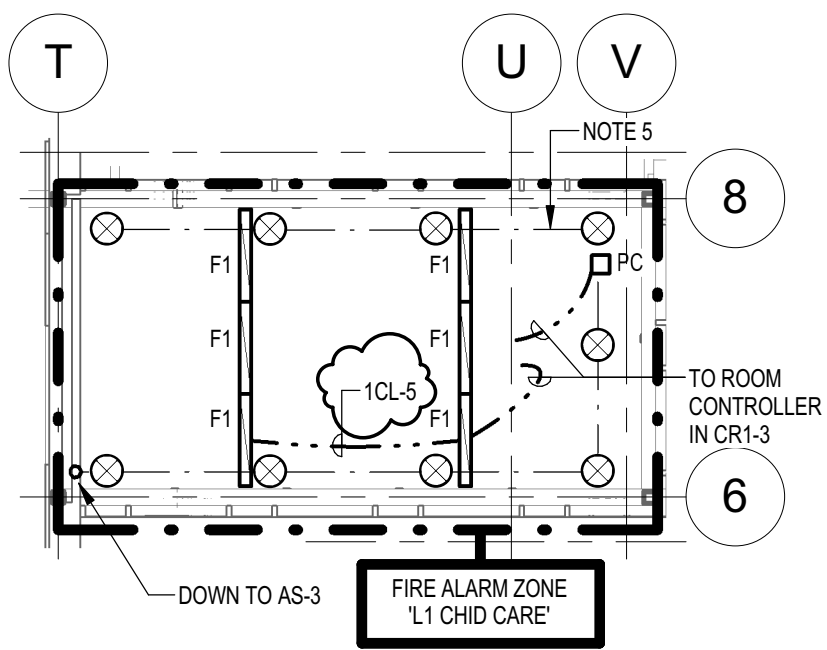
Project NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL  
ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD  
801 McNAUGHTON AVE. W, CHATHAM, ONTARIO

Drawn	ALU	Date	06/01/18
Checked	RDZ	Project No.	8370
Approved	RDZ	Drawing No.	ER-3
Scale	AS NOTED		



Partial Second Floor Plan South - Lighting and Fire Alarm

SCALE 1 : 100



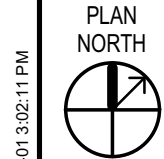
Partial Second Floor Plan South - Lighting and Fire Alarm

SCALE 1 : 100

NOTES:

- ADJUST TAPS TO MINIMUM SETTING. MAINTAIN MINIMUM SOUND LEVEL OF 65dB AND 15dB ABOVE AMBIENT.
- LOCATE ASPIRATION MODULE AND TEST PORT WITHIN ACCESSIBLE SPACE.
- NOT USED.
- CONNECT EMERGENCY BATTERIES AS FOLLOWS:  
-EB10: 2AL-2
- PAIN TUBING PRIOR TO DRILLING HOLES TO AVOID BLOCKAGE. SAMPLING TUBING TO BE PAINTED BLACK OR WHITE AS DICTATED BY ARCHITECT PRIOR TO INSTALLATION.
- TO ROOM CONTROLLER OUTSIDE OF ELECTRICAL ROOM 140.

REVISIONS TO DRAWING E2.04



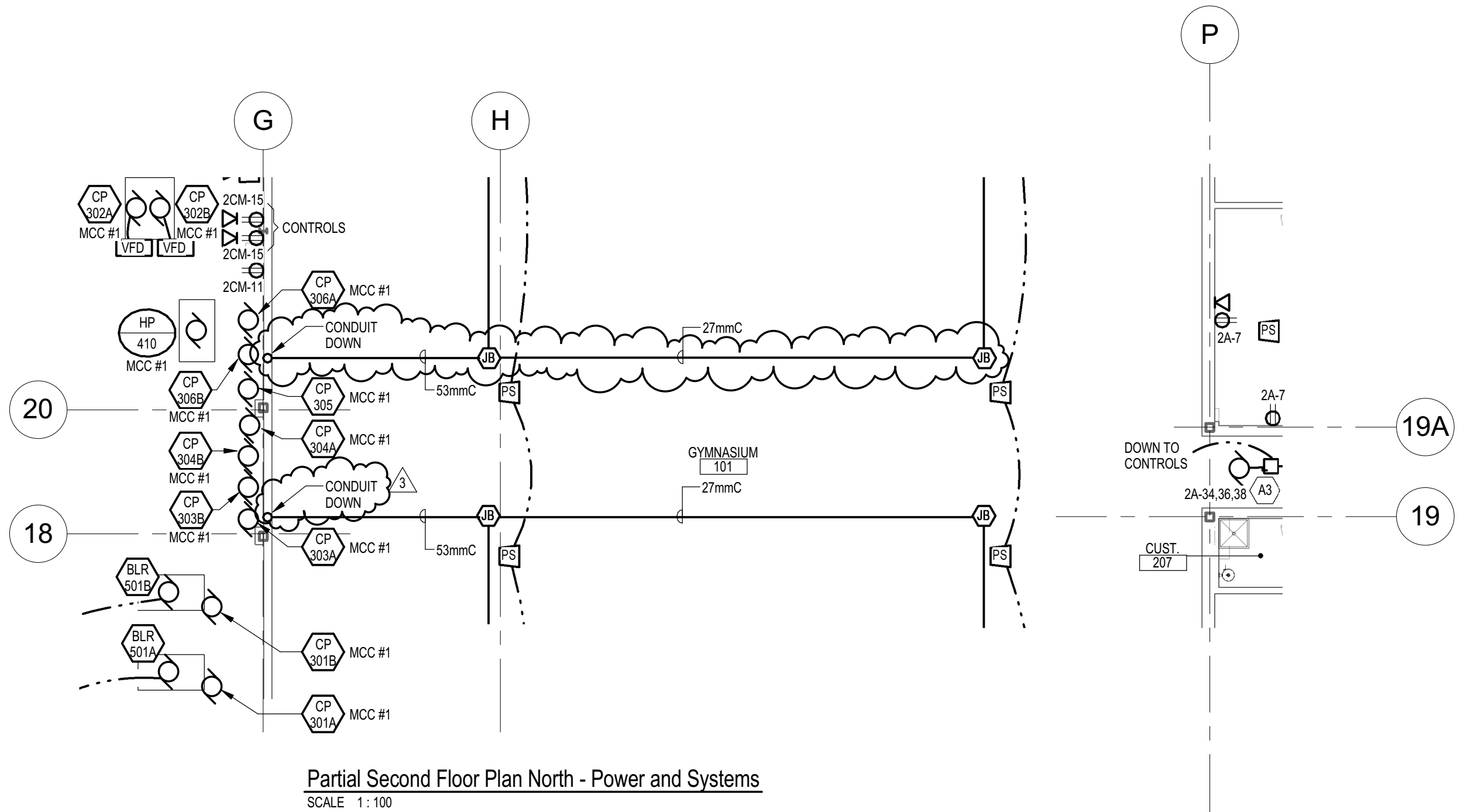
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Title	PARTIAL SECOND FLOOR PLAN SOUTH REVISIONS TO LIGHTING	Drawn	ALU	Date	06/01/18
		Checked	RDZ	Project No.	8370
Project	NORTH CHATHAM CATHOLIC ST. CLAIR C/EMENTARY SCHOOL/OL BOARD 801 McNAUGHTON AVE. W, CHATHAM, ONTARIO	Approved	RDZ	Drawing No.	ER-4
		Scale	AS NOTED		



SHEET NAME: Unnamed  
DATE PLOTTED: 2018-06-01 3:07:53 PM



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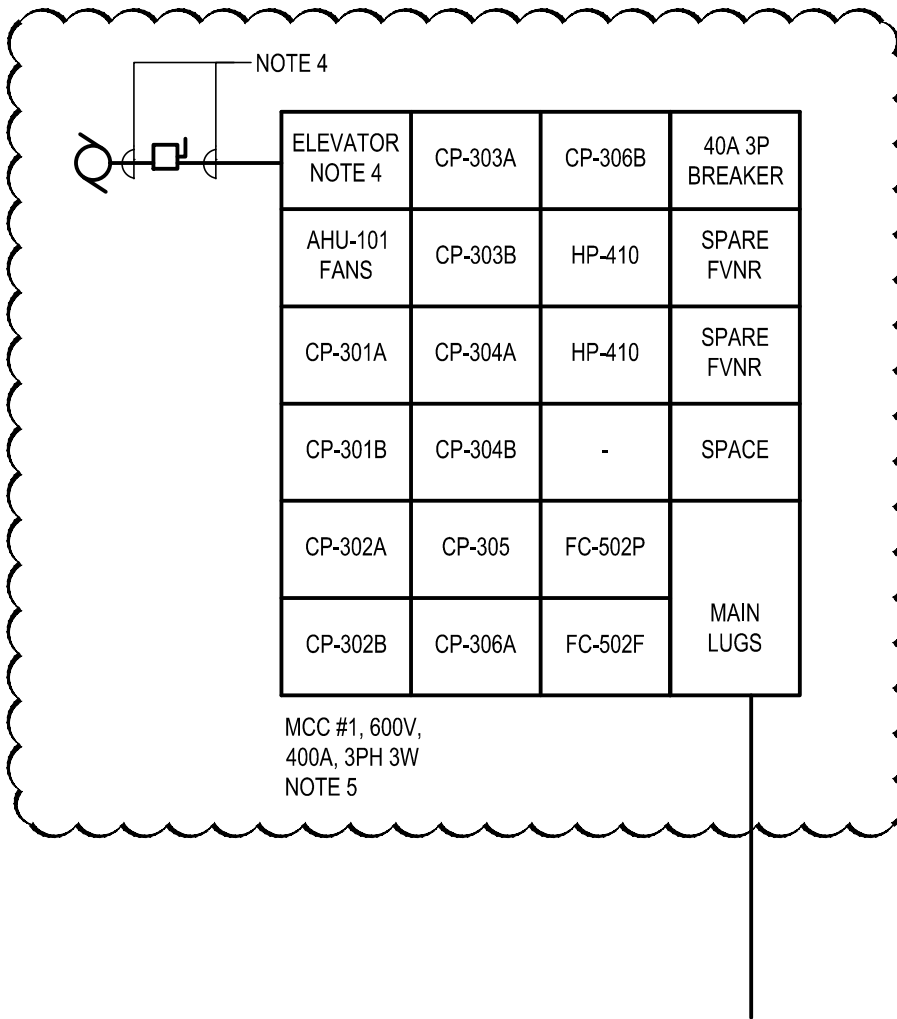
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369 YORK STREET SUITE 200 DUNDAS ONTARIO L6B 3R4  
P: 519-679-8668 F: 519-679-2148 [www.chorley.com](http://www.chorley.com)

Title	PARTIAL SECOND FLOOR PLAN NORTH REVISIONS TO POWER AND SYSTEMS	Drawn	ALU	Date	06/01/18
		Checked	RDZ	Project No.	8370
	Project	NORTH CHATHAM CATHOLIC ST. CLAIR C/EMENTARY SCHOOL BOARD 801 McNAUGHTON AVE. W. CHATHAM, ONTARIO	Approved	RDZ	Drawing No.  ER-5
			Scale	AS NOTED	

REVISIONS TO DRAWING E3.03





REVISIONS TO DRAWING E4.01

FILE NAME: 8370RE006.DWG  
DATE SAVED: 01-Jun-2018 2:35 PM  
DATE PLOTTED: 01-Jun-2018 2:40 PM



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369 YORK ST., SUITE 2B 250 CITY CENTRE AVE., SUITE 403  
LONDON ON, N6B3R4 OTTAWA ON, K1R6K7

Title REVISIONS TO SINGLE LINE DIAGRAM  
Project NORTH CHATHAM CATHOLIC ELEMENTARY SCHOOL  
ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD  
CHATHAM, ONTARIO

Drawn	ALU	Date	JUNE 2018
Checked	RDZ	Project No.	8370
Approved	RDZ	Drawing No.	ER-6
Scale	AS NOTED		