

GPY+ Associates Engineering Inc.

**MECHANICAL SHOP DRAWINGS**

**PROJECT: York Region Administrative  
Centre – Interior Fit-up  
Package ‘D’**

17250 Yonge Street,  
Newmarket, Ontario  
L3R 0T5

Reviewed                       Reviewed as Modified   
Not Reviewed                       Revise and Resubmit

This review is for conformance with the general design intent only and does not change the intent of the Contract Documents. Responsibility for errors or omissions in the shop drawings, details, co-ordination and dimensioning remains solely with the Contractor.

GPY+ Associates Engineering Inc.

Name: Sherwin Reyes

Date: March 7, 2025

**PROJECT NO.:** GPY-9920

---

**Shop Drawing No.:** M-8

**Product:** BAS Shop Drawings

**Supplier:** Regulvar

---

**Comments:**

1. The quantity of controllers, sensors and thermostats have been revised. Refer to attached M-500 Control drawings for the revised quantity and locations.
2. For the fan coil units and booster fan nomenclature, please refer to attached SI-M-1R2 as per York Region standard naming convention.
3. Shop drawings shall be updated to reflect all the revisions as noted on item no. 1 & 2 above. The updated shop drawings shall be included on the close-out documents.
4. We recommend the shop drawings to be reviewed by electrical consultant for their comments.



# SUBMITTAL

|  |
|--|
| <b>TO:</b> GPY + Associates Engineering Inc. – ATTN: Sherwin Reyes         |
| <b>PROJECT:</b> York Region, Administration Building Package D Renovations |
| <b>ADDRESS:</b> 17250 Yonge Street, Newmarket, ON                          |
| <b>INCLUDED:</b> Mechanical Shop Drawing – BAS Controls Package (1 & 2)    |
| <b>SPEC DIV:</b> 25 00 00  |

**From:** Trisect Construction Corporation  
7-4020A Sladeview Crescent  
Mississauga, ON L5L 6B1  
Tom Butkovic / Ivan Lulic / Jay Cowie

**The shop drawings included below have been:**

- REVIEWED
- REVIEWED AS NOTED
- RESUBMIT
- REJECTED

PLEASE UPDATE SHOP DRAWINGS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.
2. FOR FAN COIL UNIT & BOOSTER FAN NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

Review of this submission is for compliance with the general intent of the contract. This review does not relieve the Sub-Contractor, Trade Contractor, Supplier or Manufacturer of the responsibility of meeting all requirements of the contract documents. Any deviation from the contract documents initiated by the Sub-Contractor, Trade Contractor, Supplier or Manufacturer shall be at his sole risk and responsibility. QUANTITIES AND DETAIL DIMENSIONS ARE THE SUBCONTRACTORS OR SUPPLIERS' RESPONSIBILITY. VERIFY THE DATA WITH FIELD DIMENSIONS AND CONDITIONS.

|  |                               |
|--|-------------------------------|
| <b>Per:</b> Tom Butkovic<br><br><b>Final review to be received by:</b><br>G. Bruce Stratton Architects | <b>Dated:</b> February 7/2025 |
|--|-------------------------------|





54 Audia Court, Unit 2  
Concord, ON L4K 3N5  
(905)-738-1400

## Submittal 24-277-009

PROJECT NAME PROJECT ADDRESS DATE SUBMITTED  
YORK REGION VARIOUS PROJECTS 24-277 17250 Young Street Newmarket, ON Feb 7, 2025

|  |   |
|--|---|
| TO   | FROM  |
| Tom Butkovic   | PAUL LEDDY                                    |
| COMPANY  | COMPANY                                       |
| TRISECT CONSTRUCTION   | Consult Mechanical Inc.                       |
| EMAIL  | EMAIL   |
| tbutkovic@trisectionconstruction.com   | paul.l@consultmechanical.com                  |
| ADDRESS  | ADDRESS                                       |
| 4020A SLADEVIEW cRESCENT, UNIT 7 MISSISSAUGA, ON L5L 6B1<br>JOB: 1300 INSLINGTON SUITE 103 | 54 Audia Court, Unit 2<br>Concord, ON L4K 3N5 |

### Title

Regulvar Controls Submittal Package

### Description

Regulvar Controls Submittal Package

### Package Items

| SPEC | SUBSECTION | ITEM | TYPE |
|------|------------|------|------|
|------|------------|------|------|

**PLEASE UPDATE SHOP DRAWINGS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

- 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**
- 2. FOR FAN COIL UNIT & BOOSTER FAN NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

# YRAB

## PHASE D RENOVATION

**SITE ADDRESS:**  
 YORK REGION - ADMINISTRATIVE  
 CENTRE 17250 YONGE ST  
 NEWMARKET ON L3Y 4W5

PROJECT NO.: 2411-00450

**ENGINEER:** GPY & ASSOCIATES ENGINEERING INC.  
 6 - 90 CENTURIAN DRIVE  
 MARKHAM, ON L3R 8C5  
 TEL : (905) 475-3138

**CLIENT:** CONSULT MECHANICAL INC.  GENERAL CONTRACTOR  
 2 - 54, AUDIA COURT  MECHANICAL CONTRACTOR  
 CONCORD, ON L4K 3N5  OWNER  
 TEL : (905) 738-1400

### TABLE OF CONTENTS

|                                    |       |
|------------------------------------|-------|
| PRESENTATION PAGE                  | A-001 |
| LEGEND                             | A-002 |
| SECTION A – CONTROL SCHEMATICS     | A-003 |
| DDC NETWORK ARCHITECTURE           | A-100 |
| FLOOR PLANS                        | A-200 |
| ROOM CONTROL                       | A-600 |
| PANEL DETAILS                      | A-700 |
| SECTION B – POINTS LISTS           | B-000 |
| ROOM CONTROL                       | B-200 |
| SECTION C – EQUIPMENTS LIST        | C-000 |
| WATER VALVES                       | C-100 |
| SECTION D – SEQUENCE OF OPERATIONS | D-000 |
| SECTION E – CONNECTION DETAILS     | E-000 |

**WEAR AT ALL TIME**






SAFETY  
HELMET

SAFETY  
BOOTS OR  
SHOES

SAFETY  
GLASSES

WORK  
GLOVES

**WEAR FOR LIVE WORKING**





ANTI-ARC  
COAT OR  
COMBINATION

RUBBER  
GLOVES WITH  
LEATHER TOP

DANGER  
ELECTRICAL  
HAZARD

### REVISION LOG

| No. | DATE | COMMENTS | AFFECTED PAGES | INITIALS |
|-----|------|----------|----------------|----------|
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |
| -   | -    | -        | -              | -        |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

|  |
|--|
| DESIGNER<br>A.YZZOGH                     |
| PROJECT MANAGER<br>C.SOARES              |
| INTERNAL VERIFICATION<br>J.ASSELIN SMITH |



3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

|                           |
|---------------------------|
| NO: BUILDING<br>B-001771  |
| NO: PROJECT<br>2411-00450 |
| PAGE:<br>A-001            |

# LEGEND

## CONTROL SCHEMATICS

- ETHERNET
  - MS/TP RS-485
  - LINKNET
  - WIRING BY REGULVAR
  - EXISTING WIRING OR BY OTHERS
  - MAGNETIC STARTER
  - MANUAL STARTER
  - REFER TO ELECTRICAL DIAGRAM
  - (#) ELECTRICAL CONNECTIONS IDENTIFICATION
  - TERMINAL CONNECTIONS IDENTIFICATION TO STARTER
  - TERMINAL CONNECTIONS IDENTIFICATION TO DEVICE
  - EQUIPMENT TERMINAL IDENTIFICATIONS
  - WIRE IDENTIFIER
  - EQUIPMENT MOUNTED ON ENCLOSURE EXTERIOR
  - EQUIPMENT MOUNTED INSIDE ENCLOSURE
  - \* EXISTING EQUIPMENT OR SUPPLIED BY OTHERS
  - EQUIPMENT TAG
  - REV « X »
  - CLOUD INDICATING A REVISION WHERE THE « X » SHALL BE REPLACED WITH THE APPROPRIATE REVISION NUMBER
- 
- DDC TERMINAL**
- ADDRESS OF CONTROL POINT
- CONNECTION TYPE DETAIL : AA #  
(SEE ANNEX A FOR WIRING)
- DETAIL IDENTIFICATION
- NUMBER OF WIRES
- AI : ANALOG INPUT  
BI : BINARY INPUT  
AO : ANALOG OUTPUT  
BO : BINARY OUTPUT

## PANELS & ENCLOSURES

- P24VDC-Lx-x 120V/24VDC FIELD POWER SUPPLY
- P24VAC-Lx-x 120V/24VAC FIELD TRANSFORMER
- FS24VDC-Lx-x FIELD SWITCH C/W 120V/24VDC POWER SUPPLY
- FS24VAC-Lx-x FIELD SWITCH C/W 120V/24VAC TRANSFORMER
- BAS-Lx-x CONTROL PANEL C/W DELTA CONTROLLER
- (TAG) CPYYY CONTROL ENCLOSURE C/W DELTA CONTROLLER.

## ROOM CONTROL

- MD MOTION DETECTOR
- DC DOOR CONTACT
- WC WINDOW CONTACT
- H ROOM HUMIDITY SENSOR
- MOTORIZED DAMPER
- CONTROL VALVE

## WIRELESS (902 MHz)

- WT ROOM TEMPERATURE SENSOR
- WDC DOOR CONTACT
- WWC WINDOW CONTACT
- WLR LIGHTING RELAY
- WSx MOMENTARY LIGHT SWITCH
- WLS LUX SENSOR
- WLC LIGHTING CONTROLLER

## SYSTEM COMPONENTS

- WATER FLOW METER
- WATER DIFFERENTIAL PRESSURE SENSOR
- WD WATER DETECTOR
- BP BULLET PROBE SLAB TEMPERATURE SENSOR
- NETWORK ENERGY CONTROL VALVE
- EQUIPMENT C/W THIRD PARTY CONTROLLER INTEGRATED TO BAS. (BY MANUFACTURER)

## FLOOR PLANS

### LIGHTING CONTROL

- LCx LIGHTING CONTROL BOX
- LUX LUX SENSOR
- CMD CEILING MOTION DETECTOR
- WMD WALL MOUNTED MOTION DETECTOR
- SWx MOMENTARY LIGHT SWITCH
- HUB NETWORK SENSOR HUB

### ROOM PRESSURIZATION

- CP CEILING PRESSURE PICK-UP PORT
- WP WALL PRESSURE PICK-UP PORT
- Δ P AIR DIFFERENTIAL PRESSURE SENSOR
- AIR FLOW DIRECTION

### GAS DETECTION & ALARMS

- xxx (NAME) GAS SENSOR (FORMULA)
- Rxxx REFRIGERANT GAS SENSOR (FORMULA)
- GDC GAS DETECTION CONTROLLER
- EM GAS DETECTION EXPANSION MODULE
- PB WALL MOUNTED PUSH BUTTON
- S-AL STROBE LIGHT VISUAL ALARM
- H-AL HORN AUDIBLE ALARM
- HS-AL COMBINED STROBE LIGHT & HORN ALARM STATION

### ACCESS

- CR CARD READER
- DO DOOR OPERATOR
- TEL INTERCOM TELEPHONE
- CAM INTERCOM CAMERA
- JB JUNCTION BOX

### LABORATORIES

- AV-xxx SUPPLY / EXHAUST AIR VALVE
- FHM FUME HOOD PRESSURE MONITOR
- RPM ROOM PRESSURE MONITOR

## DRIVES & STARTERS

- VFD VARIABLE FREQUENCY DRIVE
- ST MOTOR STARTER
- ECM ELECTRONICALLY COMMUTATED MOTOR

## MECHANICAL EQUIPMENT

- AC AIR CONDITIONING UNIT
- FH FUME HOOD
- RAD RADIATOR
- FFH FORCED FLOW HEATER
- UH UNIT HEATER
- ACH AIR CURTAIN HEATER
- CUH CABINET UNIT HEATER
- EF EXHAUST FAN
- SF SUPPLY FAN
- TF TRANSFER FAN

## HYDRONIC PIPING COLORS

- HOT WATER (RED)
- CHILLED WATER (BLUE)
- GLYCOL WATER (GREEN)
- STEAM (PURPLE)
- NATURAL GAS (ORANGE)
- SANITARY WATER (GREY)

## WALL TEMPERATURE SENSORS AND THERMOSTATS

- THIRD PARTY ROOM TEMPERATURE SENSOR // THERMOSTAT (BY MANUFACTURER)
- NETWORK ROOM THERMOSTAT C/W DISPLAY & BUTTONS FOR TEMPERATURE CONTROL (OVERLAY 003)
- LINE VOLTAGE ROOM THERMOSTAT
- ROOM TEMPERATURE SENSOR:
  - T1 -NETWORK SENSOR C/W DISPLAY & BUTTONS FOR TEMPERATURE CONTROL (OVERLAY 015)
  - T2 -NETWORK SENSOR C/W DISPLAY & BUTTONS FOR TEMPERATURE (OVERLAY 015) -COMBINED CO2.

## NOTES

- FLOOR PLAN LEGEND INCLUDED FOR CLARIFICATIONS ONLY AND DO NOT IMPLY THE ITEMS ARE PROVIDED BY REGULVAR, NOR PART OF THE PROJECT.
- ROOM TEMPERATURE SENSORS TO BE INSTALLED 48 INCHES ABOVE FLOOR. EXACT LOCATION TO BE COORDINATED ON SITE WITH THE ARCHITECT.

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |


DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**Regulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-002

# SECTION A CONTROL SCHEMATICS

|      |          |      |          |     |             |       |                             |   |   |   |                          |
|------|----------|------|----------|-----|-------------|-------|-----------------------------|---|---|---|--------------------------|
| -    | -        | -    | -        | -   | -           | -     | -                           | DESIGNER<br>A.YZZOGH                              |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771 |
| -    | -        | -    | -        | -   | -           | -     | PROJECT MANAGER<br>C.SOARES | NO: PROJECT<br>2411-00450                         |   |   |                          |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.                        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH          |   |   | PAGE:                    |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY                    | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7 | A-003   |   |                          |

# ARCHITECTURE

| -    | -        | -    | -        | -   | -           | -     | -        |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |

|  |
|--|
| DESIGNER<br>A.YZZOGH                     |
| PROJECT MANAGER<br>C.SOARES              |
| INTERNAL VERIFICATION<br>J.ASSELIN SMITH |

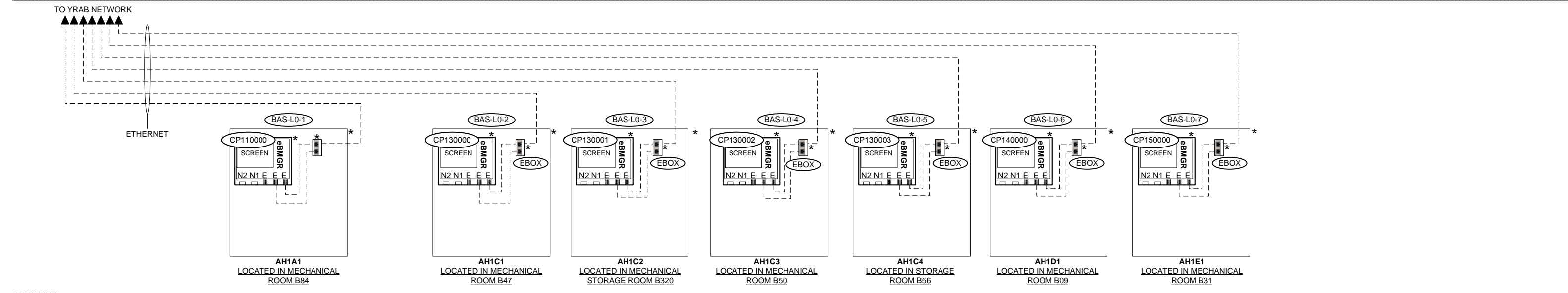
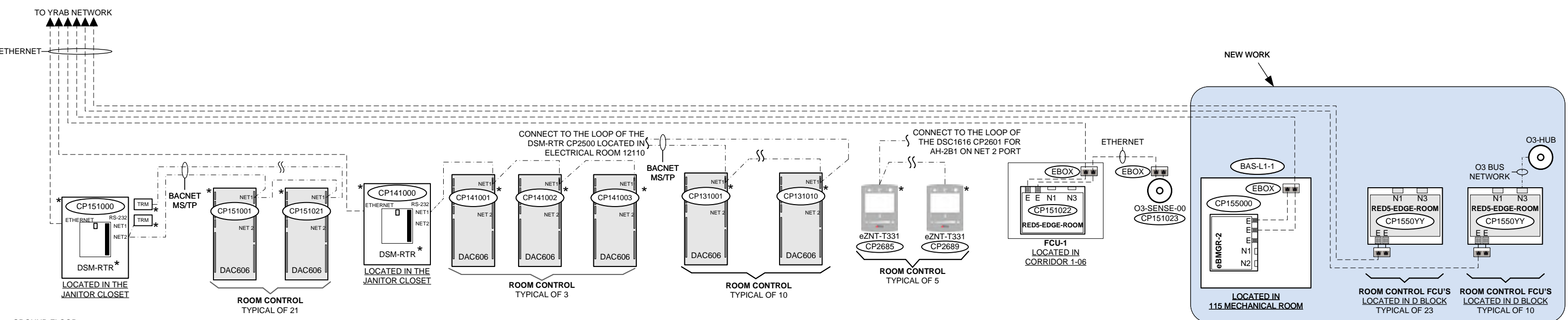
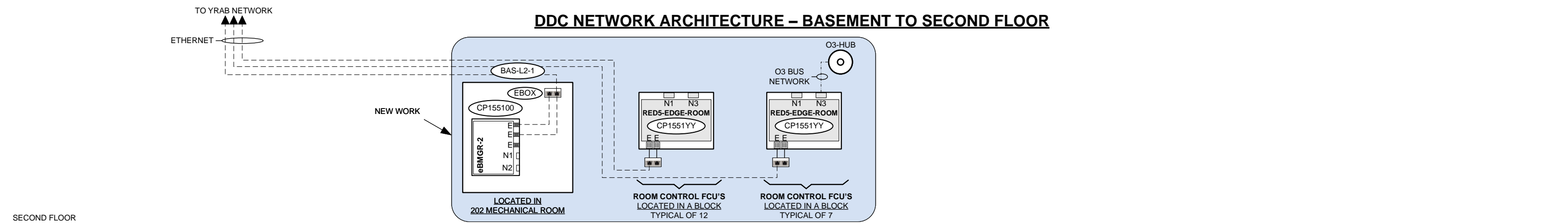


3510 PHARMACY AVE, UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

|                           |
|---------------------------|
| NO: BUILDING<br>B-001771  |
| NO: PROJECT<br>2411-00450 |
| PAGE:<br>A-100            |

# DDC NETWORK ARCHITECTURE – BASEMENT TO SECOND FLOOR



| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

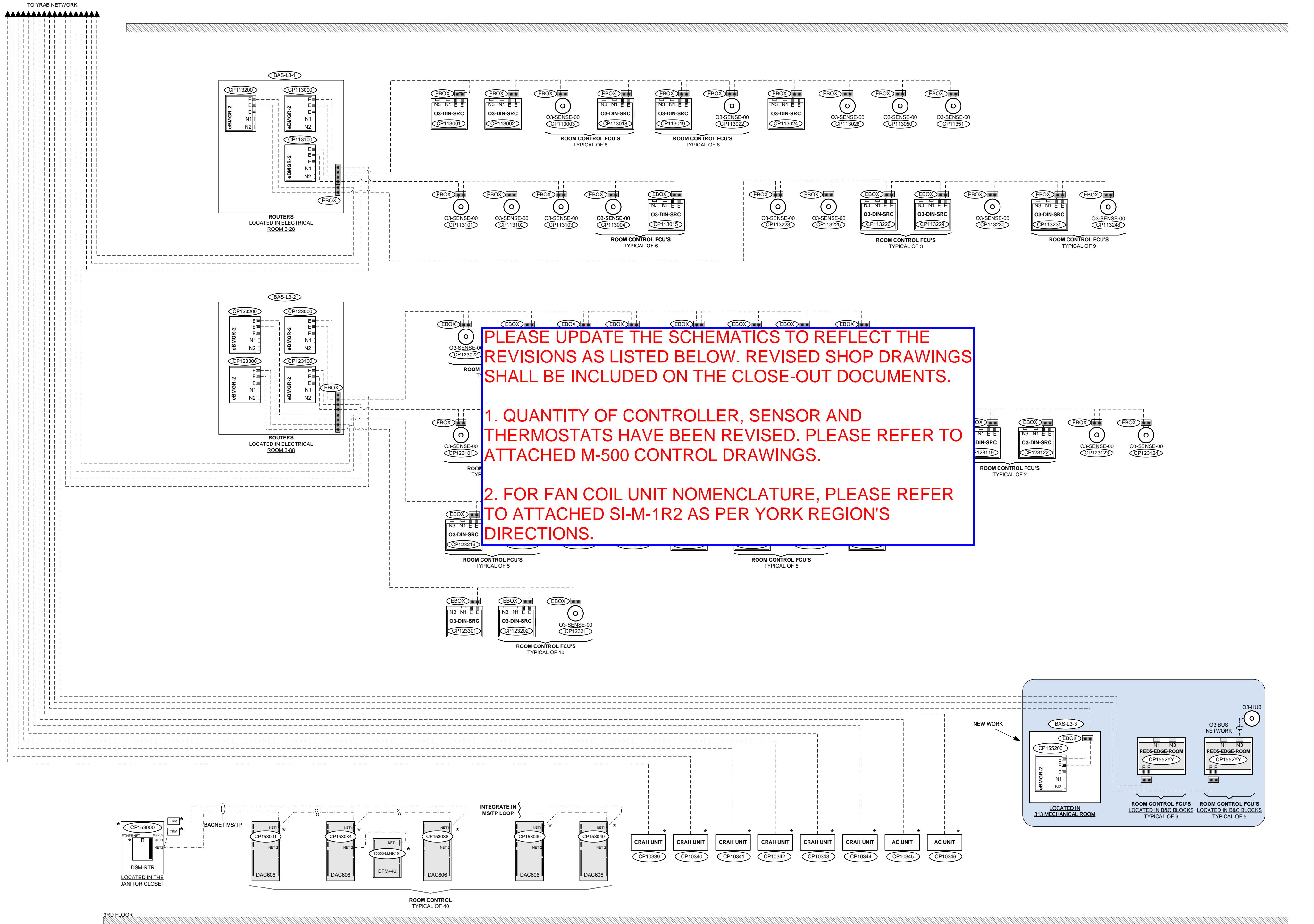
**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-101

**Regulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7



DDC NETWORK ARCHITECTURE – 3RD FLOOR



**PLEASE UPDATE THE SCHEMATICS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

3RD FLOOR

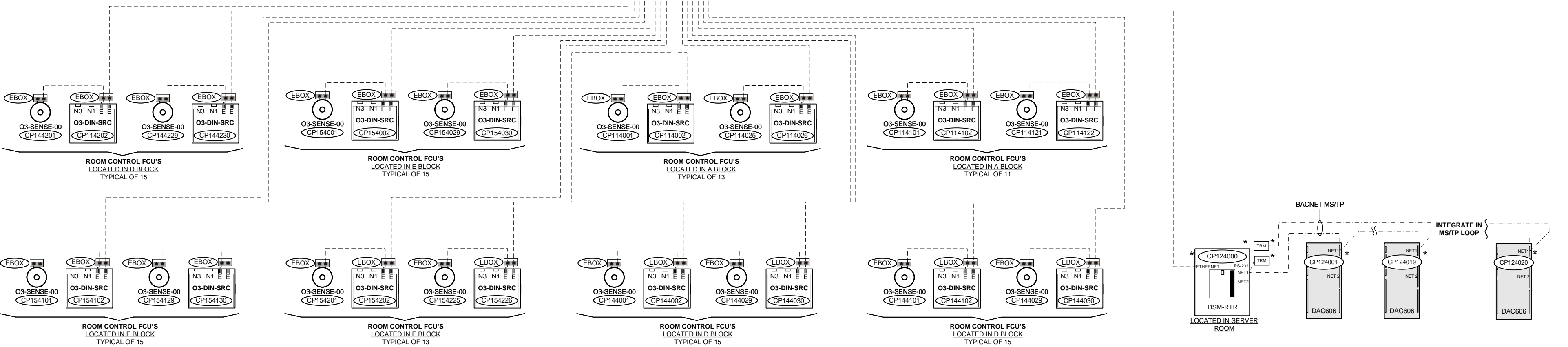
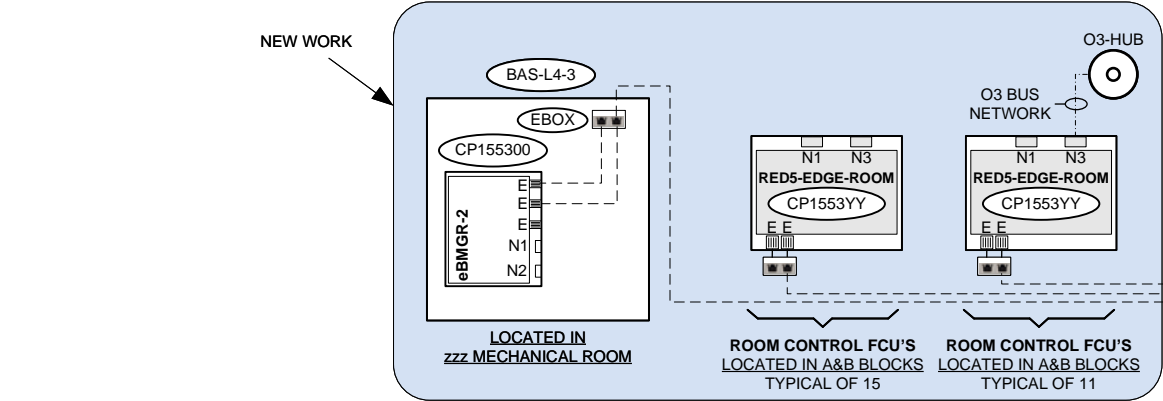
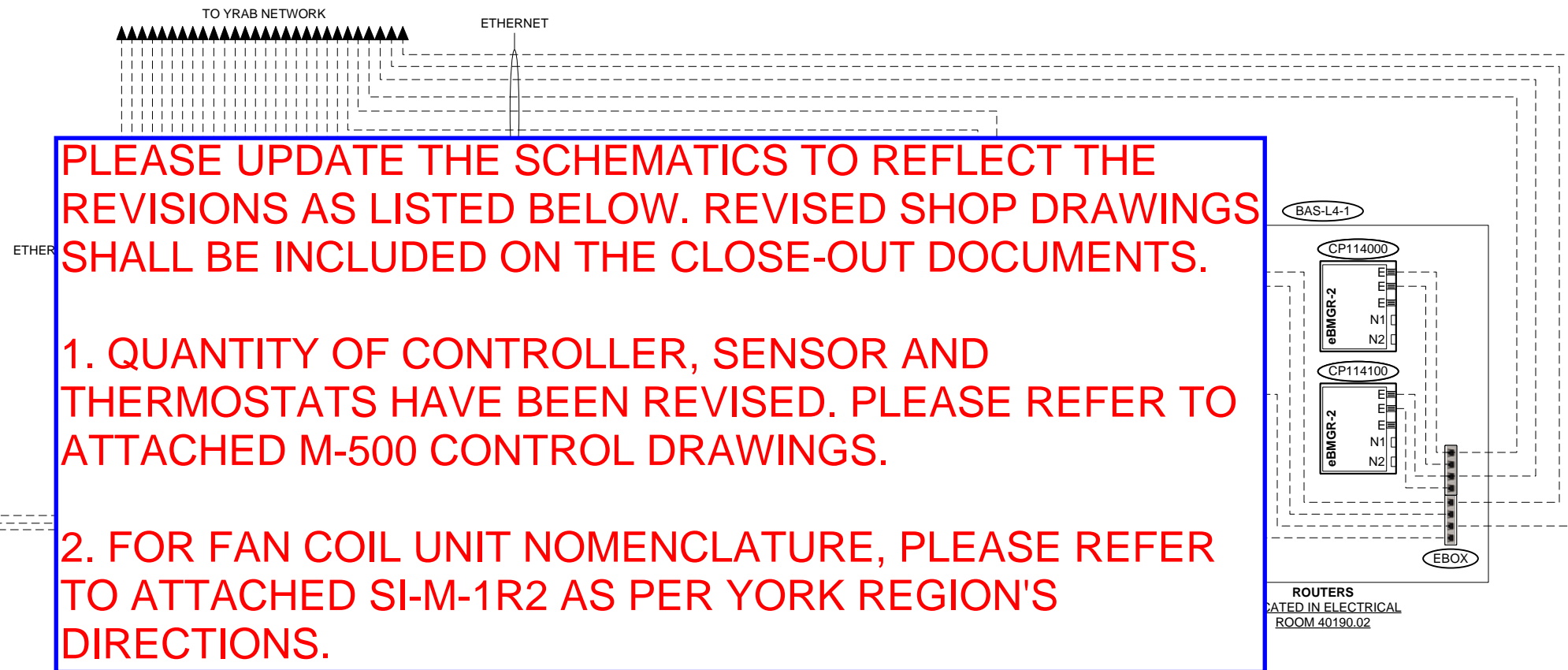
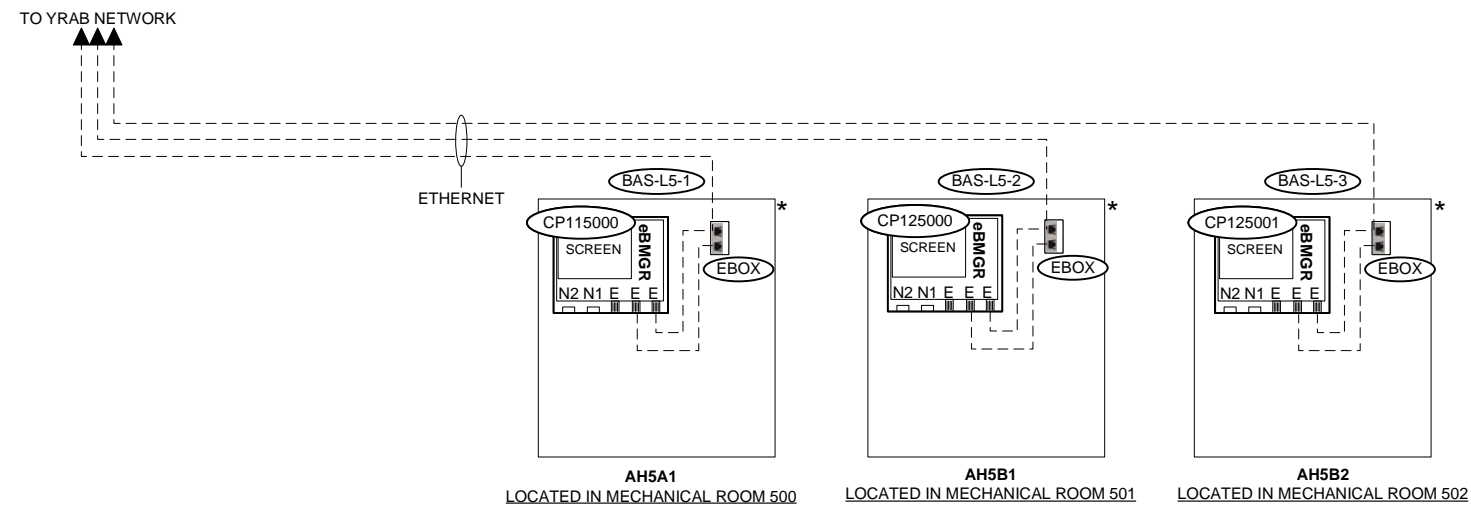
| CODE | REVISION | DATE  | DRAWN BY | No. | DESCRIPTION | DATE | DRAWN BY       |
|------|----------|-------|----------|-----|-------------|------|----------------|
| -    | -        | -     | -        | -   | -           | -    | -              |
| -    | -        | -     | -        | -   | -           | -    | -              |
| -    | -        | -     | -        | -   | -           | -    | -              |
| -    | -        | -     | -        | -   | -           | -    | -              |
| -    | -        | -     | -        | -   | -           | -    | -              |
| -    | -        | -     | -        | -   | -           | -    | -              |
| 0    |          | 02-25 | A.Y.     |     | APPROVAL    |      | JASSELIN SMITH |

DESIGNER  
A.YZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
JASSELIN SMITH

**PROJECT**  
**YRAB**  
PHASE D RENOVATION


NO. BUILDING  
B-001771  
NO. PROJECT  
2411-00450  
PAGE:  
A-102

DDC NETWORK ARCHITECTURE – 4TH FLOOR & ROOF

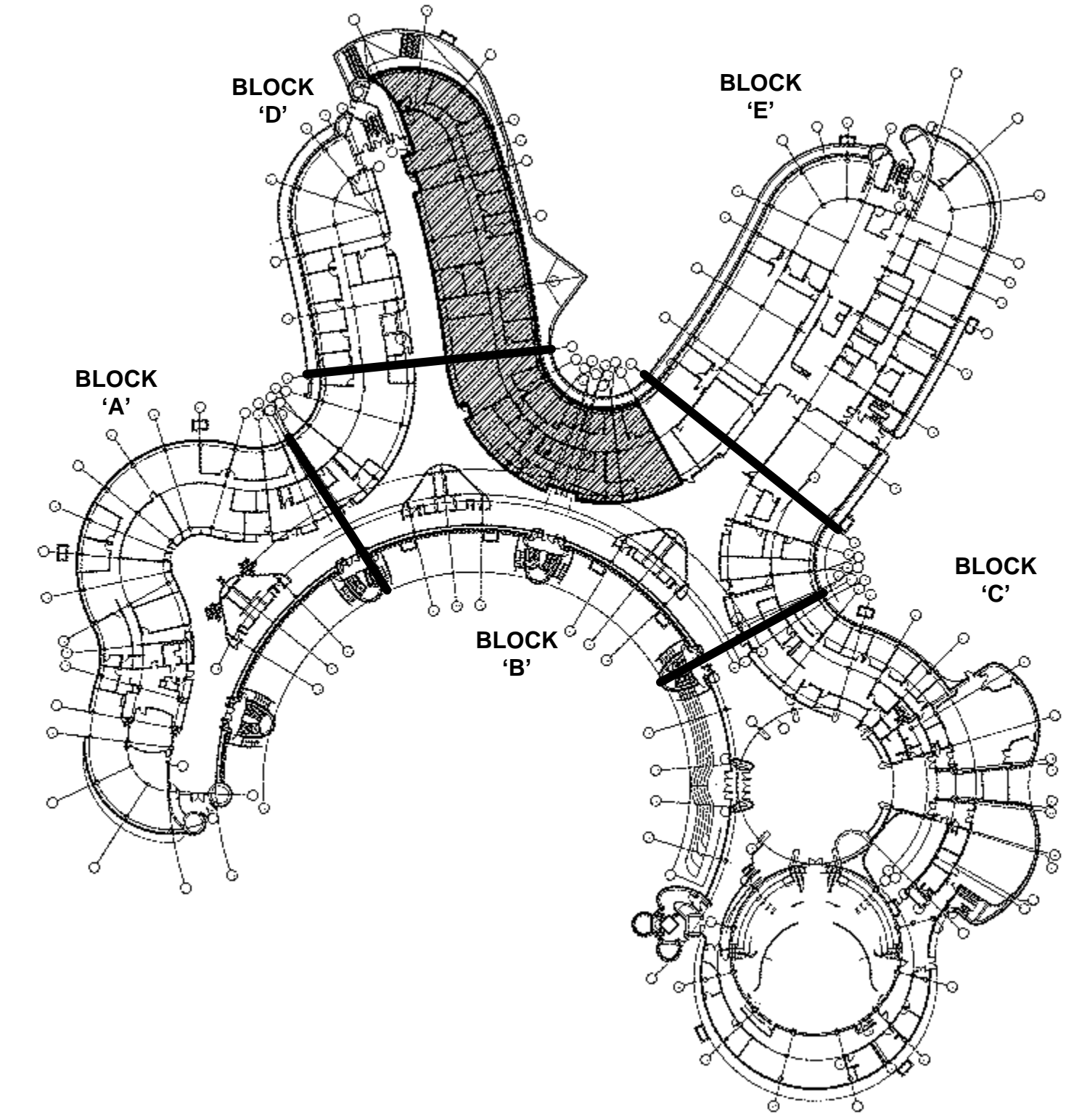
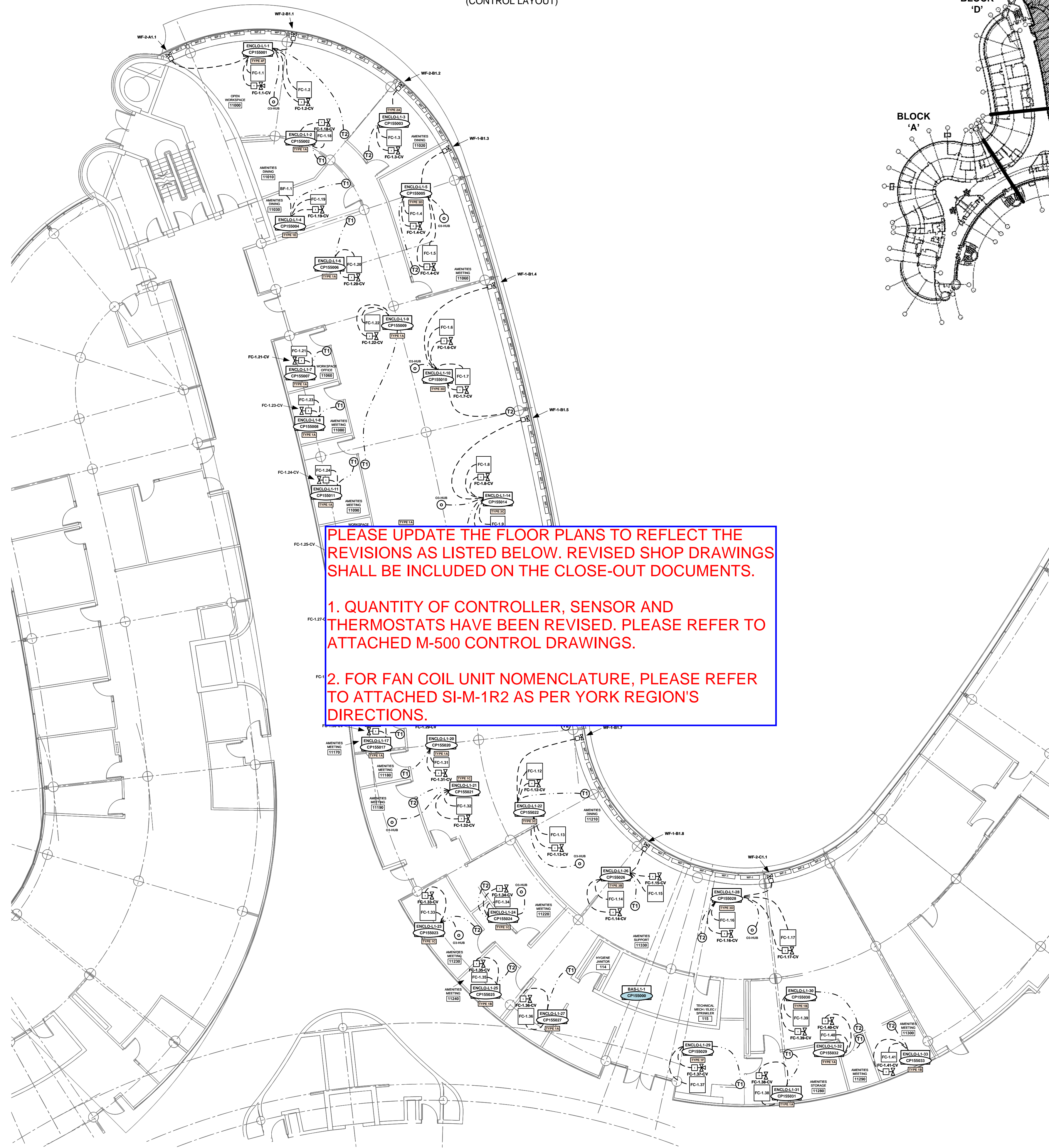


|                      |                             |  |   |                                       |   |       |          |
|----------------------|-----------------------------|--|---|---------------------------------------|---|-------|----------|
| DESIGNER<br>A.YZZOGH | PROJECT MANAGER<br>C.SOARES | INTERNAL VERIFICATION<br>J.ASSELIN SMITH | 3510 PHARMACY AVE. UNIT 8<br>TORONTO, ON, M1W 2T7 | PROJECT<br>YRAB<br>PHASE D RENOVATION | NO. BUILDING<br>B-001771<br>NO. PROJECT<br>2411-00450<br>PAGE:<br>A-103 |       |          |
| CODE                 | REVISION                    | DATE                                     | DRAWN BY  | No.                                   | DESCRIPTION   | DATE  | DRAWN BY |
| -                    | -                           | -  | -   | 0                                     | APPROVAL  | 02-25 | A.Y.     |

# FLOOR PLANS

|      |          |      |          |     |             |      |          |  |   |   |                           |
|------|----------|------|----------|-----|-------------|------|----------|--|---|---|---------------------------|
| -    | -        | -    | -        | -   | -           | -    | -        | DESIGNER<br>A.YZZOGH                     |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771  |
| -    | -        | -    | -        | -   | -           | -    | -        | PROJECT MANAGER<br>C.SOARES              |   |   | NO: PROJECT<br>2411-00450 |
| -    | -        | -    | -        | -   | -           | -    | -        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7                                     |   | PAGE:                     |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE | DRAWN BY |  |   |   | A-200                     |

**FLOOR PLAN – GROUND FLOOR – BLOCK 'D'**  
(CONTROL LAYOUT)



**PLEASE UPDATE THE FLOOR PLANS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

- 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**
- 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

**PROJECT  
YRAB  
PHASE D RENOVATION**

PROJECT NO. : 2411-00450  
 PROJECT MANAGER : C.SOARES  
 DESIGNER : A.YZZOGH  
 APPROVED BY : J.ASELIN-SMITH

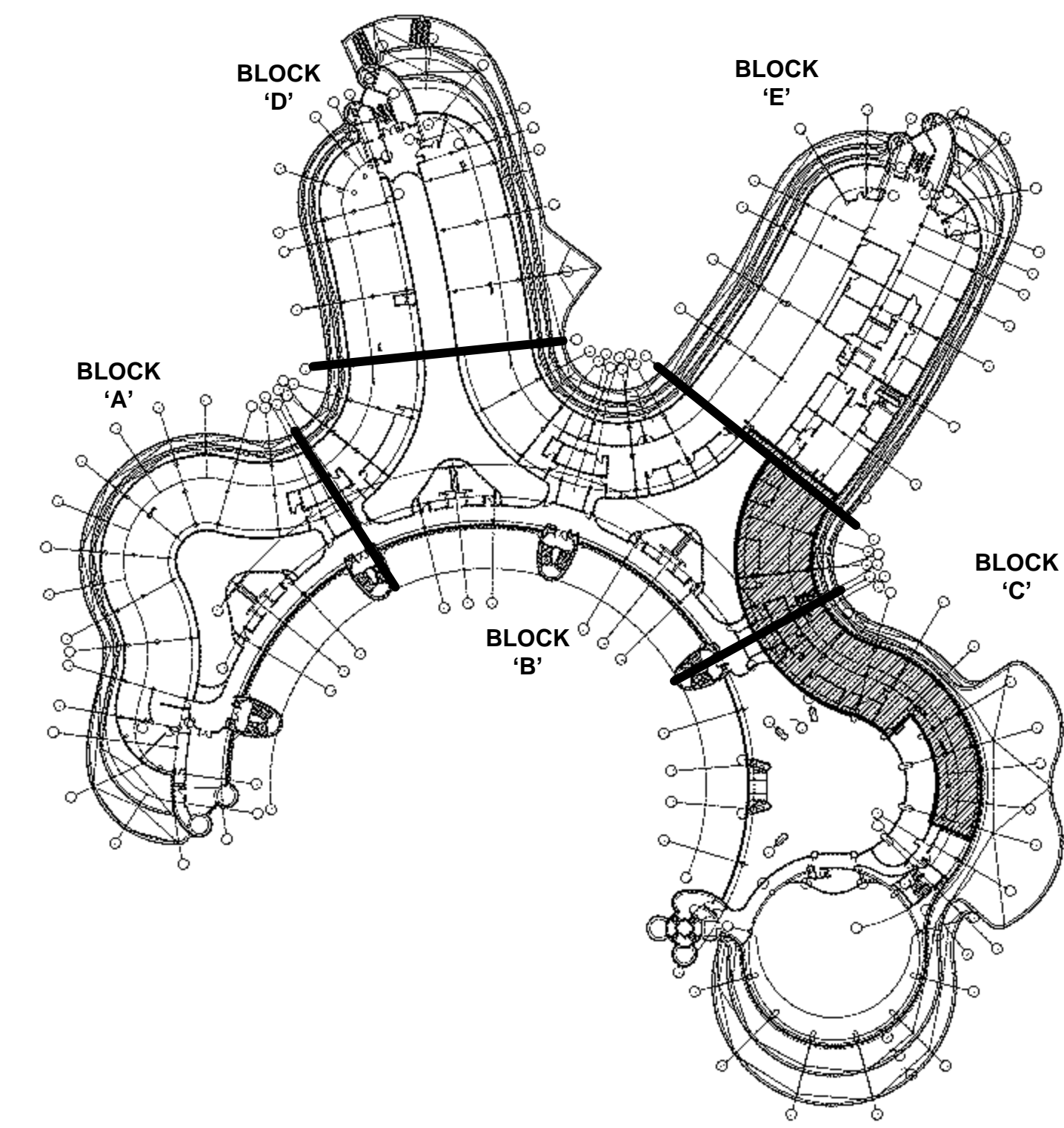
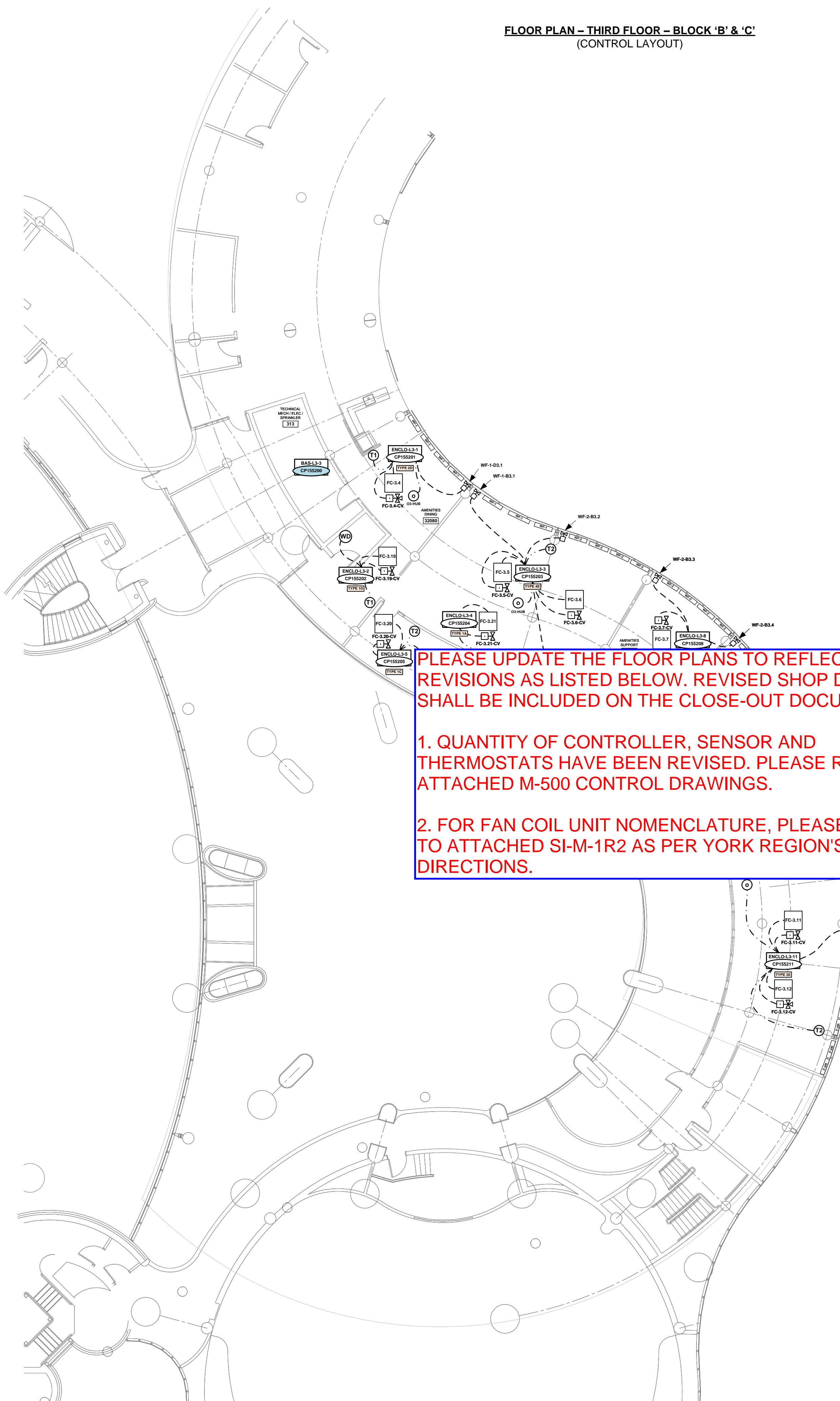


3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

|          |       |      |
|----------|-------|------|
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| APPROVAL | 02-25 | A.Y. |



**FLOOR PLAN – THIRD FLOOR – BLOCK 'B' & 'C'**  
(CONTROL LAYOUT)



**PLEASE UPDATE THE FLOOR PLANS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

- 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**
- 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

**PROJECT  
YRAB  
PHASE D RENOVATION**

PROJECT NO. : 2411-00450  
PROJECT MANAGER : C.SOARES  
DESIGNER : A.YZZOGH  
APPROVED BY : J.ASELIN-SMITH

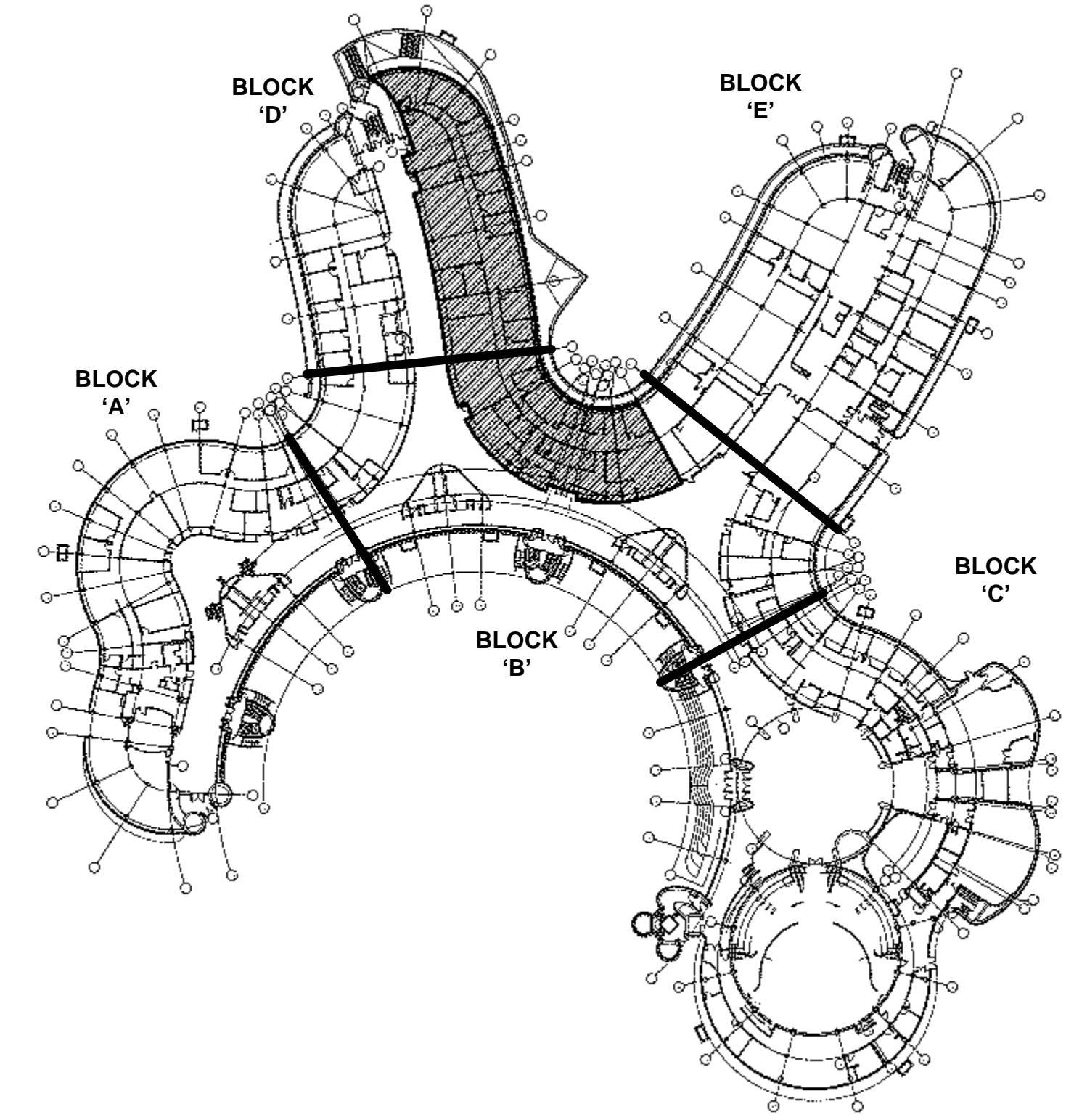
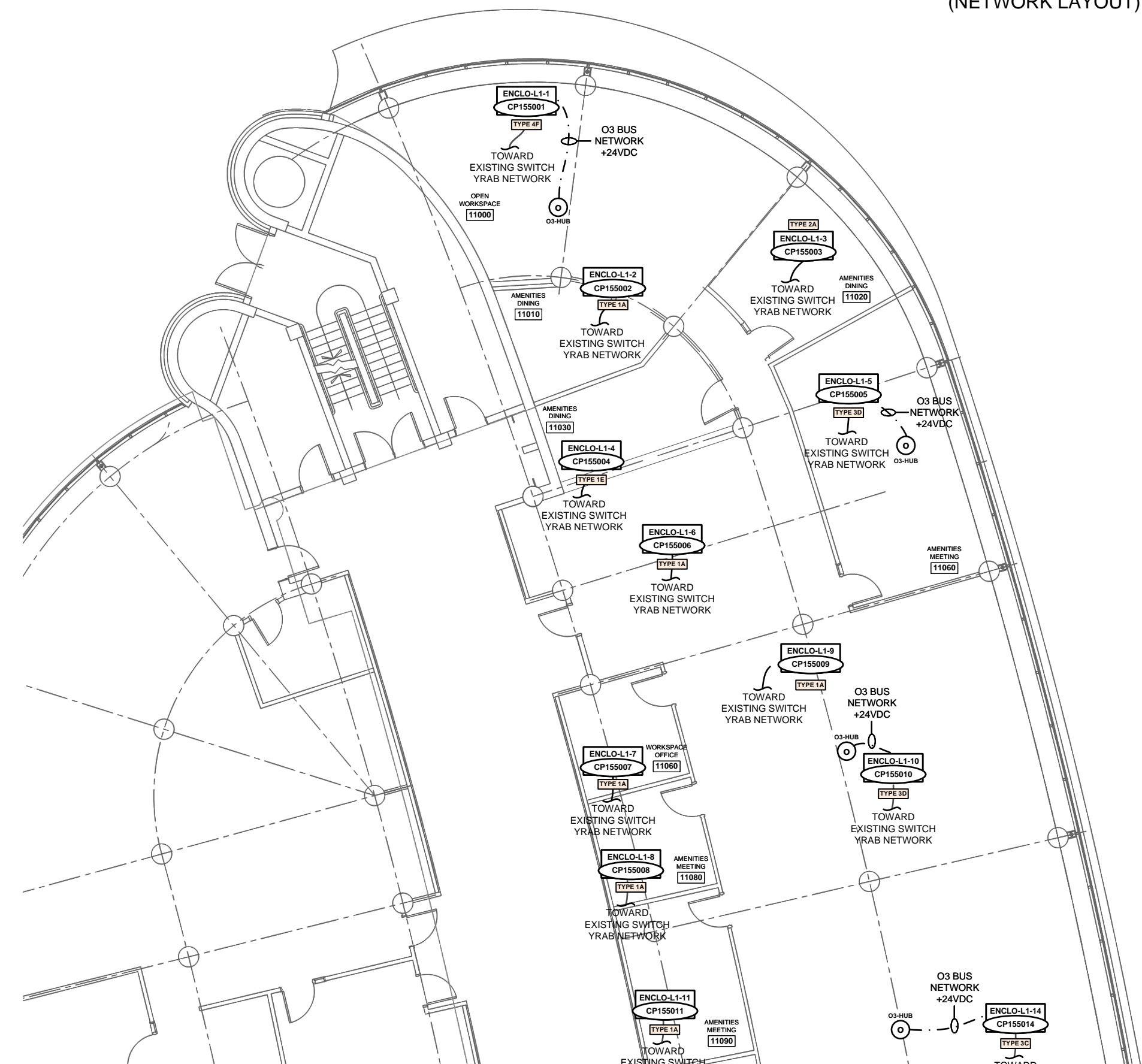


3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

|          |       |      |
|----------|-------|------|
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| APPROVAL | 02-25 | A.Y. |

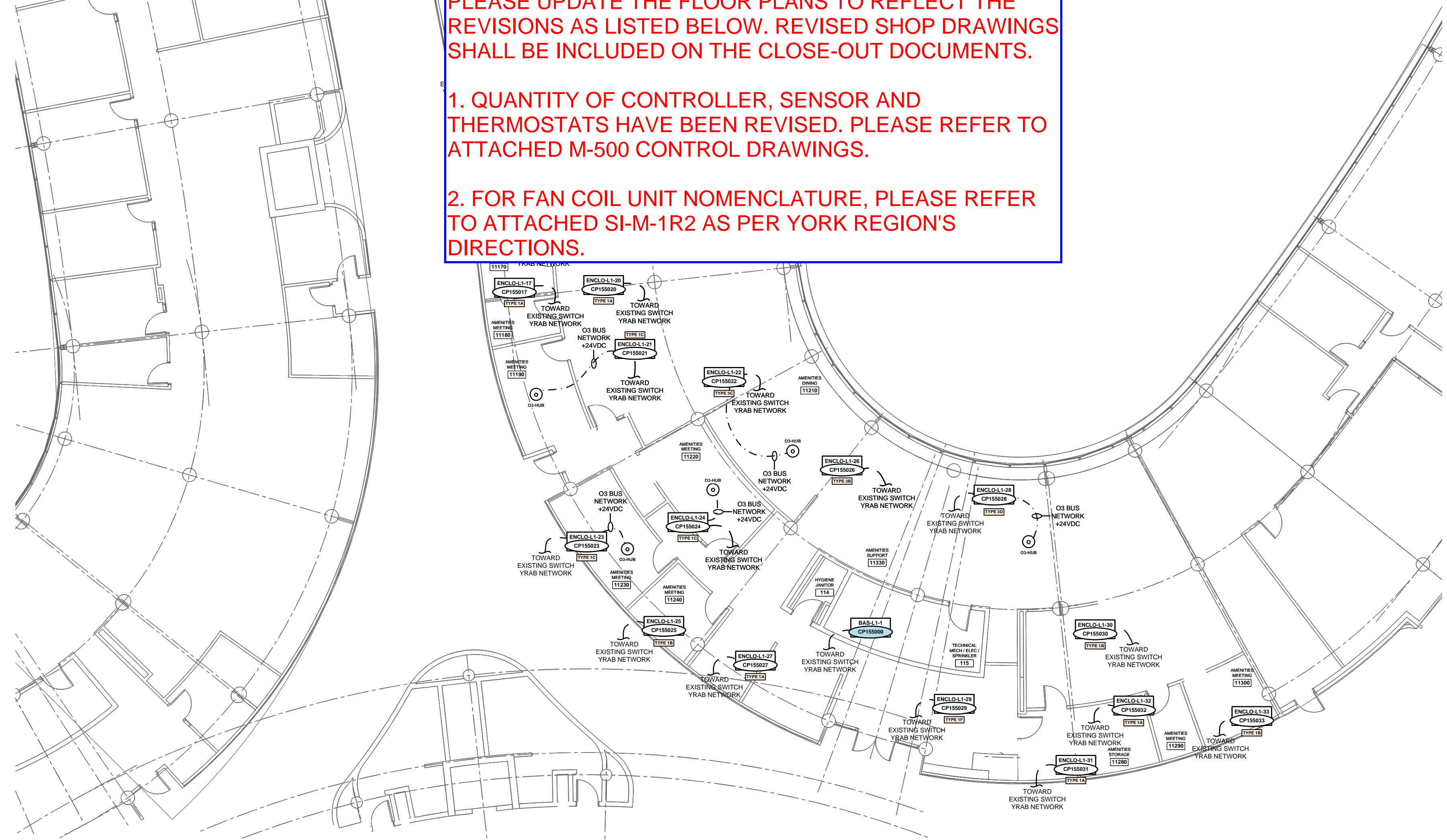


**FLOOR PLAN – GROUND FLOOR – BLOCK 'D'**  
(NETWORK LAYOUT)



**PLEASE UPDATE THE FLOOR PLANS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.
2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



**PROJECT  
YRAB  
PHASE D RENOVATION**

PROJECT NO. : 2411-00450  
PROJECT MANAGER : C.SOARES  
DESIGNER : A.YZZOGH  
APPROVED BY : J.ASELIN-SMITH



3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

|          |       |      |
|----------|-------|------|
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| -        | -     | -    |
| APPROVAL | 02-25 | A.Y. |










# ROOM CONTROL

|      |          |      |          |     |             |      |  |   |   |   |                          |
|------|----------|------|----------|-----|-------------|------|--|---|---|---|--------------------------|
| -    | -        | -    | -        | -   | -           | -    | -  | DESIGNER<br>A.YZZOGH                              |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771 |
| -    | -        | -    | -        | -   | -           | -    | PROJECT MANAGER<br>C.SOARES              | NO: PROJECT<br>2411-00450                         |   |   |                          |
| -    | -        | -    | -        | -   | -           | -    | INTERNAL VERIFICATION<br>J.ASSELIN SMITH | PAGE:   |   |   |                          |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE | DRAWN BY                                 | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7 |   |   | A-600                    |

ROOM CONTROL LIST

| AREA                   |        | EQUIPMENT COMPOSITION |           |             |                | ROOM TEMPERATURE |            | O3 HUB |           | CONTROLLER     |          | TYPE    | ENCLOSURE   | COMMENTS             |
|------------------------|--------|-----------------------|-----------|-------------|----------------|------------------|------------|--------|-----------|----------------|----------|---------|-------------|----------------------|
| ROOM NAME              | ROOM # | FAN COIL              | RADIATOR  | BOOSTER FAN | WATER DETECTOR | QTY              | MODEL      | QTY    | MODEL     | MODEL          | ADDRESS  |         |             |                      |
| GROUND FLOOR - BLOCK D |        |                       |           |             |                |                  |            |        |           |                |          |         |             |                      |
| OPEN WORKSPACE         | 11000  | FC-1.1                | WF-2-B1.1 | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155001 | TYPE 4F | ENCLO-L1-1  | 3 WAY COOLING VALVES |
|                        |        | FC-1.2                | WF-2-A1.1 | -           | -              |                  |            |        |           |                |          |         |             |                      |
| AMENITIES DINING       | 11010  | FC-1.18               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155002 | TYPE 1A | ENCLO-L1-2  |                      |
| AMENITIES DINING       | 11020  | FC-1.3                | WF-2-B1.2 | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155003 | TYPE 2A | ENCLO-L1-3  |                      |
| AMENITIES DINING       | 11030  | FC-1.19               | -         | BF-1.1      | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155004 | TYPE 1E | ENCLO-L1-4  |                      |
| AMENITIES MEETING      | 11060  | FC-1.4                | WF-1-B1.3 | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155005 | TYPE 3D | ENCLO-L1-5  |                      |
|                        |        | FC-1.5                |           | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.20               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155006 | TYPE 1A | ENCLO-L1-6  |                      |
| WORKSPACE OFFICE       | 11060  | FC-1.21               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155007 | TYPE 1A | ENCLO-L1-7  |                      |
| AMENITIES MEETING      | 11080  | FC-1.23               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155008 | TYPE 1A | ENCLO-L1-8  |                      |
| UNKNOWN                | XXX    | FC-1.22               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.6                |           |             |                |                  |            |        |           |                |          |         |             |                      |
|                        |        | FC-1.7                |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11090  | FC-1.24               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| WORKSPACE OFFICE       | 11130  | FC-1.25               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.26               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.8                |           |             |                |                  |            |        |           |                |          |         |             |                      |
|                        |        | FC-1.9                |           |             |                |                  |            |        |           |                |          |         |             |                      |
| WORKSPACE OFFICE       | 11140  | FC-1.27               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| WORKSPACE OFFICE       | 11160  | FC-1.28               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11170  | FC-1.30               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.29               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.10               |           |             |                |                  |            |        |           |                |          |         |             |                      |
|                        |        | FC-1.11               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11180  | FC-1.31               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11190  | FC-1.32               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES DINING       | 11210  | FC-1.12               |           |             |                |                  |            |        |           |                |          |         |             |                      |
|                        |        | FC-1.13               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11230  | FC-1.33               |           |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING      | 11220  | FC-1.34               | -         | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155024 | TYPE 1C | ENCLO-L1-24 |                      |
| AMENITIES MEETING      | 11240  | FC-1.35               | -         | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155025 | TYPE 1B | ENCLO-L1-25 |                      |
| AMENITIES SUPPORT      | 11330  | FC-1.14               | WF-1-B1.8 | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155026 | TYPE 3B | ENCLO-L1-26 |                      |
|                        |        | FC-1.15               |           | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.36               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155027 | TYPE 1A | ENCLO-L1-27 |                      |
| UNKNOWN                | XXX    | FC-1.16               | WF-2-C1.1 | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155028 | TYPE 3D | ENCLO-L1-28 |                      |
|                        |        | FC-1.17               |           | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                | XXX    | FC-1.37               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155029 | TYPE 1F | ENCLO-L1-29 | 3 WAY COOLING VALVES |
| UNKNOWN                | XXX    | FC-1.39               | -         | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155030 | TYPE 1B | ENCLO-L1-30 |                      |
| AMENITIES STORAGE      | 11280  | FC-1.38               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155031 | TYPE 1A | ENCLO-L1-31 |                      |
| AMENITIES MEETING      | 11290  | FC-1.40               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155032 | TYPE 1A | ENCLO-L1-32 |                      |
| AMENITIES MEETING      | 11300  | FC-1.41               | -         | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155033 | TYPE 1B | ENCLO-L1-33 |                      |

**PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

ROOM CONTROL LIST

| AREA                      |        | EQUIPMENT COMPOSITION |   |             |                | ROOM TEMPERATURE |            | O3 HUB |           | CONTROLLER     |          | TYPE    | ENCLOSURE   | COMMENTS             |
|---------------------------|--------|-----------------------|---|-------------|----------------|------------------|------------|--------|-----------|----------------|----------|---------|-------------|----------------------|
| ROOM NAME                 | ROOM # | FAN COIL              | RADIATOR  | BOOSTER FAN | WATER DETECTOR | QTY              | MODEL      | QTY    | MODEL     | MODEL          | ADDRESS  |         |             |                      |
| SECOND FLOOR - BLOCK A    |        |                       |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.12               | WF-2-C2.1   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155101 | TYPE 3F | ENCLO-L2-1  | 3 WAY COOLING VALVES |
|                           |        | FC-2.13               |   | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.11               | WF-2-B2.12  | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155102 | TYPE 2C | ENCLO-L2-2  |                      |
|                           |        |                       | WF-2-B2.11  | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.25               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155103 | TYPE 1A | ENCLO-L2-3  |                      |
| UNKNOWN                   | XXX    | FC-2.9                | WF-2-B2.9   | -           | -              | 1                | EZNS-T100  | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155104 | TYPE 4C | ENCLO-L2-4  |                      |
|                           |        | FC-2.10               | WF-2-B2.10  | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.23               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155105 | TYPE 3A | ENCLO-L2-5  |                      |
|                           |        | FC-2.24               | -   | -           | -              |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING         | 20100  | FC-2.22               | -   | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155106 | TYPE 1B | ENCLO-L2-6  |                      |
| UNKNOWN                   | XXX    | FC-2.7                | <p align="center"><b>PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.</b></p> <p align="center"><b>1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.</b></p> <p align="center"><b>2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.</b></p> |             |                |                  |            |        |           |                |          |         |             |                      |
|                           |        | FC-2.8                |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.20               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING         | 20090  | FC-2.21               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.6                |   |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES MEETING         | 20070  | FC-2.19               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| WORKSPACE OFFICE          | 20060  | FC-2.18               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| WORKSPACE OFFICE          | 20050  | FC-2.16               |   |             |                |                  |            |        |           |                |          |         |             |                      |
|                           |        | FC-2.17               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.4                |   |             |                |                  |            |        |           |                |          |         |             |                      |
|                           |        | FC-2.5                |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.15               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES SUPPORT         | 20030  | FC-2.14               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.2                |   |             |                |                  |            |        |           |                |          |         |             |                      |
|                           |        | FC-2.3                |   |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.1                | 3 WAY COOLING VALVES  |             |                |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-2.26               |   |             |                |                  |            |        |           |                |          |         |             |                      |
|                           |        | FC-2.27               |   |             |                |                  |            |        |           |                |          |         |             |                      |
| THIRD FLOOR - BLOCK B & C |        |                       |   |             |                |                  |            |        |           |                |          |         |             |                      |
| AMENITIES DINING          | 32080  | FC-3.4                | WF-1-D3.1   | -           | -              | 1                | EZNS-T100  | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155201 | TYPE 2D | ENCLO-L3-1  | 3 WAY COOLING VALVES |
| UNKNOWN                   | XXX    | FC-3.19               | -   | -           | 1              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155202 | TYPE 1D | ENCLO-L3-2  |                      |
| UNKNOWN                   | XXX    | FC-3.5                | WF-1-B3.1   | BF-3.2      | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155203 | TYPE 4E | ENCLO-L3-3  |                      |
|                           |        | FC-3.6                | WF-2-B3.2   |             | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-3.21               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155204 | TYPE 1A | ENCLO-L3-4  |                      |
| AMENITIES MEETING         | 32100  | FC-3.20               | -   | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155205 | TYPE 1C | ENCLO-L3-5  |                      |
| AMENITIES MEETING         | 32110  | FC-3.22               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155206 | TYPE 1A | ENCLO-L3-6  |                      |
| AMENITIES SUPPORT         | 32120  | FC-3.23               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155207 | TYPE 1A | ENCLO-L3-7  |                      |
| AMENITIES SUPPORT         | 32150  | FC-3.7                | WF-2-B3.3   | -           | -              | 1                | EZNS-T100  | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155208 | TYPE 4C | ENCLO-L3-8  |                      |
|                           |        | FC-3.8                | WF-2-B3.4   | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-3.24               | -   | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155209 | TYPE 1A | ENCLO-L3-9  |                      |
| UNKNOWN                   | XXX    | FC-3.9                | WF-2-B3.5   | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155210 | TYPE 4B | ENCLO-L3-10 |                      |
|                           |        | FC-3.10               | WF-2-B3.6   | -           | -              |                  |            |        |           |                |          |         |             |                      |
| UNKNOWN                   | XXX    | FC-3.11               | WF-2-C3.1   | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155211 | TYPE 3E | ENCLO-L3-11 | 3 WAY COOLING VALVES |
|                           |        | FC-3.12               |   | -           | -              |                  |            |        |           |                |          |         |             |                      |

ROOM CONTROL LIST

| AREA                       |        | EQUIPMENT COMPOSITION |           |             |                | ROOM TEMPERATURE |            | O3 HUB |           | CONTROLLER     |          | TYPE    | ENCLOSURE   | COMMENTS                         |
|----------------------------|--------|-----------------------|-----------|-------------|----------------|------------------|------------|--------|-----------|----------------|----------|---------|-------------|----------------------------------|
| ROOM NAME                  | ROOM # | FAN COIL              | RADIATOR  | BOOSTER FAN | WATER DETECTOR | QTY              | MODEL      | QTY    | MODEL     | MODEL          | ADDRESS  |         |             |                                  |
| FOURTH FLOOR - BLOCK A & B |        |                       |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.1                | WF-2-E4.1 | BF-4.1      | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155301 | TYPE 7A | ENCLO-L4-1  | 3 WAY HEATING AND COOLING VALVES |
|                            |        | FC-4.2                | WF-1-F4.1 |             | -              |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.3                | WF-1-F4.2 |             | -              |                  |            |        |           |                |          |         |             |                                  |
| WORKSPACE OFFICE           | 43350  | FC-4.22               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155302 | TYPE 5A | ENCLO-L4-2  |                                  |
| AMENITIES MEETING          | 43340  | FC-4.23               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155303 | TYPE 5A | ENCLO-L4-3  |                                  |
| UNKNOWN                    | XXX    | FC-4.4                | WF-1-F4.3 | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155304 | TYPE 6B | ENCLO-L4-4  |                                  |
|                            |        | FC-4.5                |           | -           | -              |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES MEETING          | 43330  | FC-4.24               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155305 | TYPE 5A | ENCLO-L4-5  |                                  |
| AMENITIES MEETING          | 43310  | FC-4.25               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155306 | TYPE 5A | ENCLO-L4-6  |                                  |
| UNKNOWN                    | XXX    | FC-4.6                |           |             |                |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.7                |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES MEETING          | 43300  | FC-4.26               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES MEETING          | 43290  | FC-4.27               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.8                |           |             |                |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.9                |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.28               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES STORAGE          | 43250  | FC-4.29               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.10               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.11               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES SUPPORT          | 43240  | FC-4.30               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.12               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.13               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.31               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.14               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.15               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| AMENITIES MEETING          | 43210  | FC-4.32               |           |             |                |                  |            |        |           |                |          |         |             | 3 WAY HEATING AND COOLING VALVES |
| UNKNOWN                    | XXX    | FC-4.16               |           |             |                |                  |            |        |           |                |          |         |             | 3 WAY HEATING AND COOLING VALVES |
|                            |        | FC-4.17               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| UNKNOWN                    | XXX    | FC-4.33               |           |             |                |                  |            |        |           |                |          |         |             |                                  |
| WORKSPACE OFFICE           | 43190  | FC-4.34               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155321 | TYPE 5A | ENCLO-L4-21 |                                  |
| WORKSPACE OFFICE           | 43170  | FC-4.35               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155322 | TYPE 5A | ENCLO-L4-22 |                                  |
| UNKNOWN                    | XXX    | FC-4.18               | -         | -           | -              | 1                | EZNS-T100C | 1      | O3-HUB-00 | RED5-EDGE-ROOM | CP155323 | TYPE 7B | ENCLO-L4-23 |                                  |
|                            |        | FC-4.19               | -         | -           | -              |                  |            |        |           |                |          |         |             |                                  |
|                            |        | FC-4.20               | -         | -           | -              |                  |            |        |           |                |          |         |             |                                  |
| WORKSPACE OFFICE           | 43160  | FC-4.36               | -         | BF-4.2      | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155324 | TYPE 5D | ENCLO-L4-24 |                                  |
| AMENITIES MEETING          | 43150  | FC-4.37               | -         | -           | -              | 1                | EZNS-T100C | -      | -         | RED5-EDGE-ROOM | CP155325 | TYPE 5B | ENCLO-L4-25 | 3 WAY HEATING AND COOLING VALVES |
| WORKSPACE OFFICE           | 43140  | FC-4.21               | -         | -           | -              | 1                | EZNS-T100  | -      | -         | RED5-EDGE-ROOM | CP155326 | TYPE 5A | ENCLO-L4-26 |                                  |

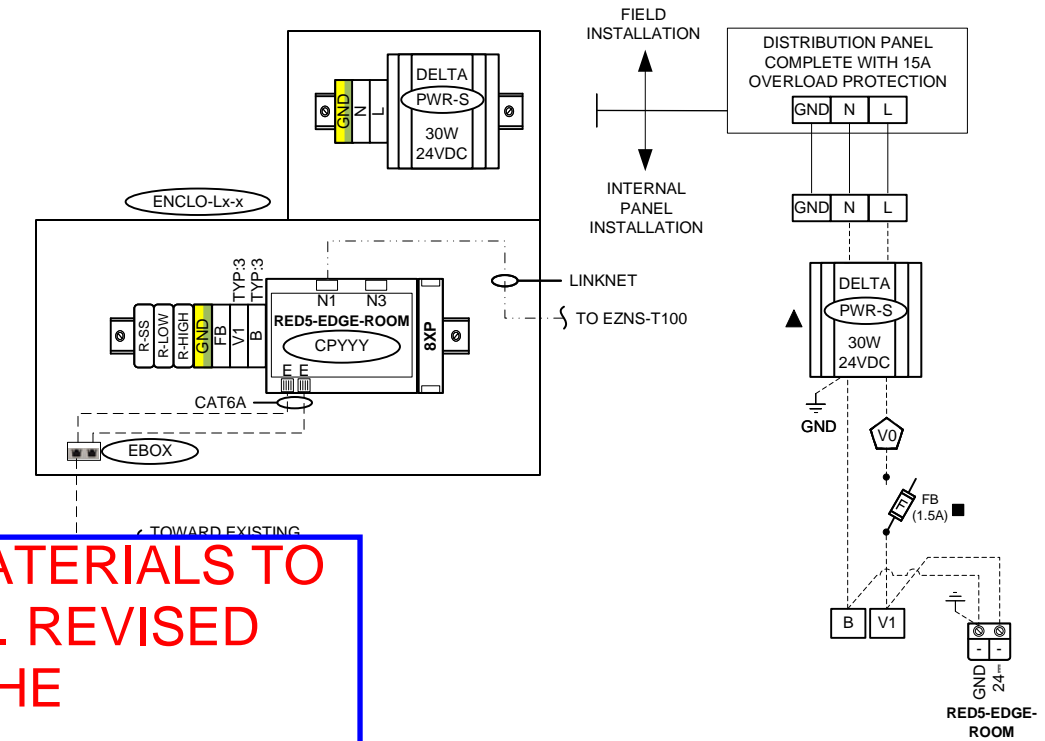
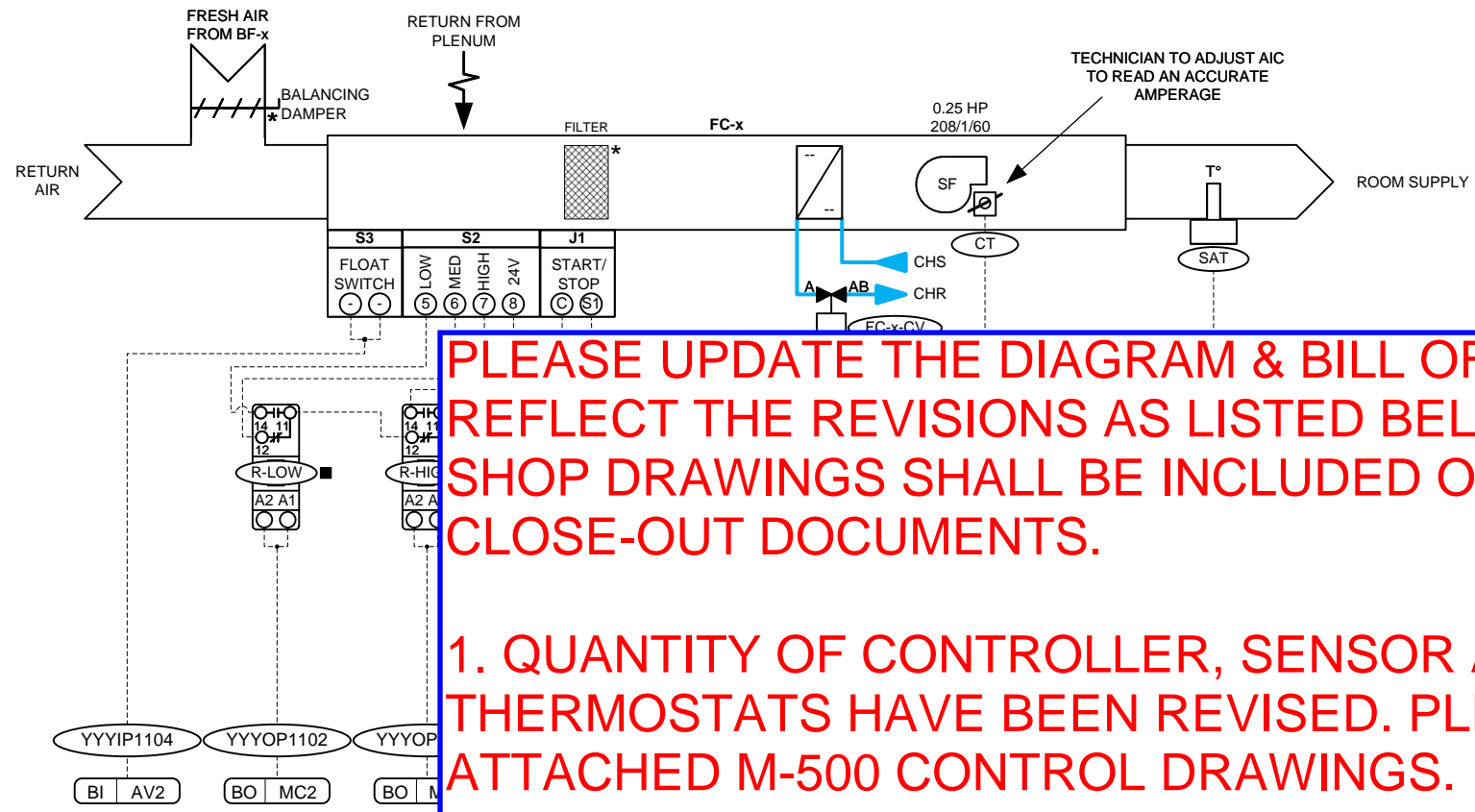
PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

| GROUND FLOOR |          |
|--------------|----------|
| ENCLO-L1-2   | CP155002 |
| ENCLO-L1-6   | CP155006 |
| ENCLO-L1-7   | CP155007 |
| ENCLO-L1-8   | CP155008 |
| ENCLO-L1-9   | CP155009 |
| ENCLO-L1-11  | CP155011 |
| ENCLO-L1-12  | CP155012 |
| ENCLO-L1-13  | CP155013 |
| ENCLO-L1-15  | CP155015 |
| ENCLO-L1-16  | CP155016 |
| ENCLO-L1-17  | CP155017 |
| ENCLO-L1-18  | CP155018 |
| ENCLO-L1-20  | CP155020 |
| ENCLO-L1-27  | CP155027 |
| ENCLO-L1-31  | CP155031 |
| ENCLO-L1-32  | CP155032 |
| SECOND FLOOR |          |
| ENCLO-L2-3   | CP155103 |
| ENCLO-L2-8   | CP155108 |
| ENCLO-L2-9   | CP155109 |
| ENCLO-L2-11  | CP155111 |
| ENCLO-L2-12  | CP155112 |
| ENCLO-L2-16  | CP155116 |
| THIRD FLOOR  |          |
| ENCLO-L3-4   | CP155204 |
| ENCLO-L3-6   | CP155206 |
| ENCLO-L3-7   | CP155207 |
| ENCLO-L3-9   | CP155209 |

**ROOM CONTROL – FCU – TYPE 1A**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 26



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

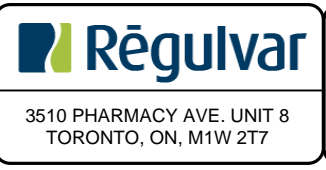
**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                         |  |  |
|-----------------|---|---------------------|----|-------------------------|--|--|
| TYPE 1A - ENCLO | ■ |                     |    |                         |  |  |
| TYPE 1A - ENCLO | ■ |                     |    |                         |  |  |
| TYPE 1A - ENCLO | ■ |                     |    |                         |  |  |
| TYPE 1A - ENCLO | ■ | PWR-S               | 26 | DRC-24V30W1AZ           | Power Supply 24Vdc (1.25A), 100-240Vac   |  |
| TYPE 1A - ENCLO | ■ | CPYYY               | 26 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |  |
| TYPE 1A - ENCLO | ■ |                     | 26 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 1A - ENCLO | ■ | EBOX                | 26 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 1A - ENCLO | ■ |                     | 52 | 101723                  | CAT6A RJ45 Adapter   |  |
| TYPE 1A - ENCLO | ■ |                     | 52 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |  |
| TYPE 1A - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 78 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 1A - ENCLO | ■ |                     | 78 | GZT92                   | Relay Base   |  |
| TYPE 1A         |   | SAT                 | 26 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |  |
| TYPE 1A         |   | RMT                 | 26 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 1A         |   | CT                  | 26 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 1A         |   | FC-x-CV             | 26 | SEE VALVE LIST          | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| 0    |          |      |          |     | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

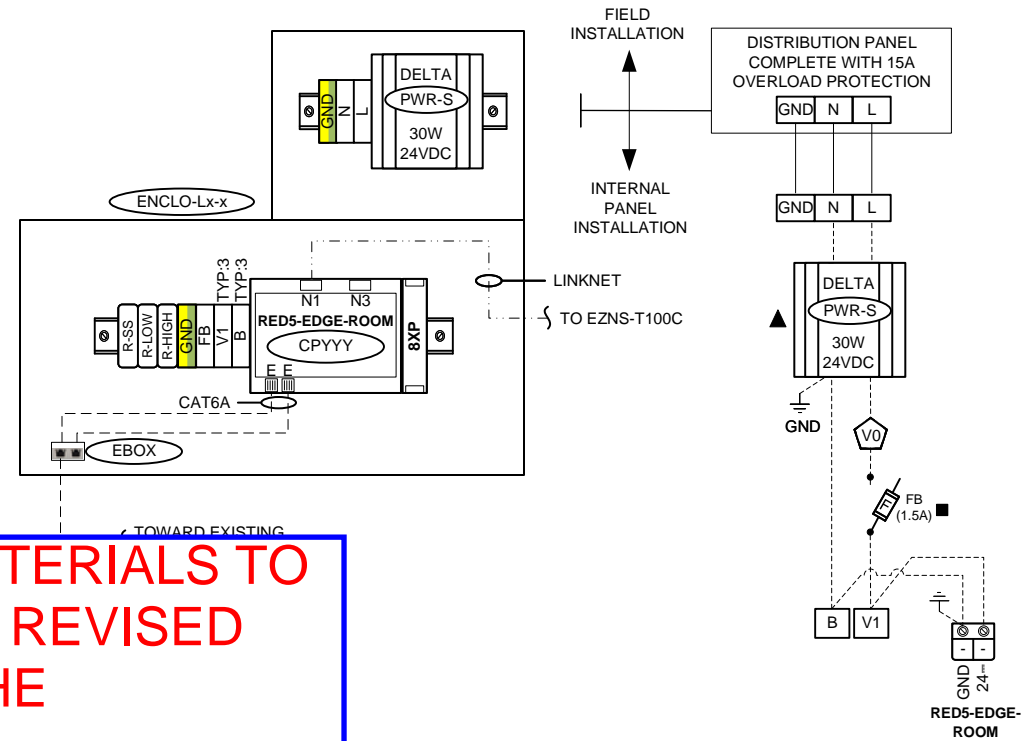
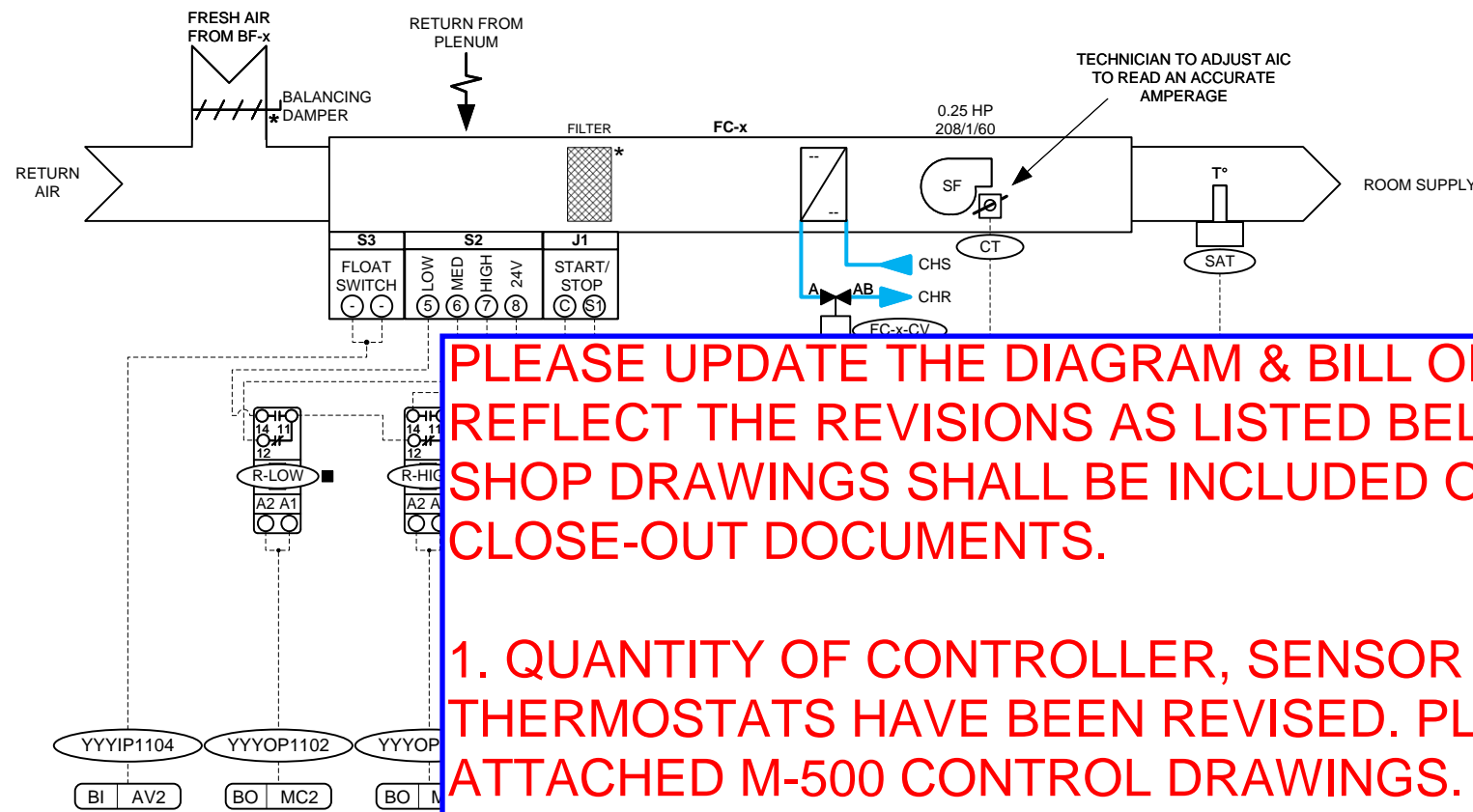
NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-604



| GROUND FLOOR |          |
|--------------|----------|
| ENCLO-L1-25  | CP155025 |
| ENCLO-L1-30  | CP155030 |
| ENCLO-L1-33  | CP155033 |

| SECOND FLOOR |          |
|--------------|----------|
| ENCLO-L2-6   | CP155106 |

**ROOM CONTROL – FCU – TYPE 1B**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 4



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                          |  |  |
|-----------------|---|---------------------|----|--------------------------|--|--|
| TYPE 1B - ENCLO | ■ |                     |    |                          |  |  |
| TYPE 1B - ENCLO | ■ |                     |    |                          |  |  |
| TYPE 1B - ENCLO | ■ |                     |    |                          |  |  |
| TYPE 1B - ENCLO | ■ | PWR-S               | 4  | DRC-24V30W1AZ            | Power Supply 24Vdc (1.25A), 100-240Vac   |  |
| TYPE 1B - ENCLO | ■ | CPYY                | 4  | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |  |
| TYPE 1B - ENCLO | ■ |                     | 4  | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 1B - ENCLO | ■ | EBOX                | 4  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 1B - ENCLO | ■ |                     | 8  | 101723                   | CAT6A RJ45 Adapter   |  |
| TYPE 1B - ENCLO | ■ |                     | 8  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |  |
| TYPE 1B - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 12 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 1B - ENCLO | ■ |                     | 12 | GZT92                    | Relay Base   |  |
| TYPE 1B         |   | SAT                 | 4  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |  |
| TYPE 1B         |   | RMT                 | 4  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 1B         |   | CT                  | 4  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 1B         |   | FC-x-CV             | 4  | SEE VALVE LIST           | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



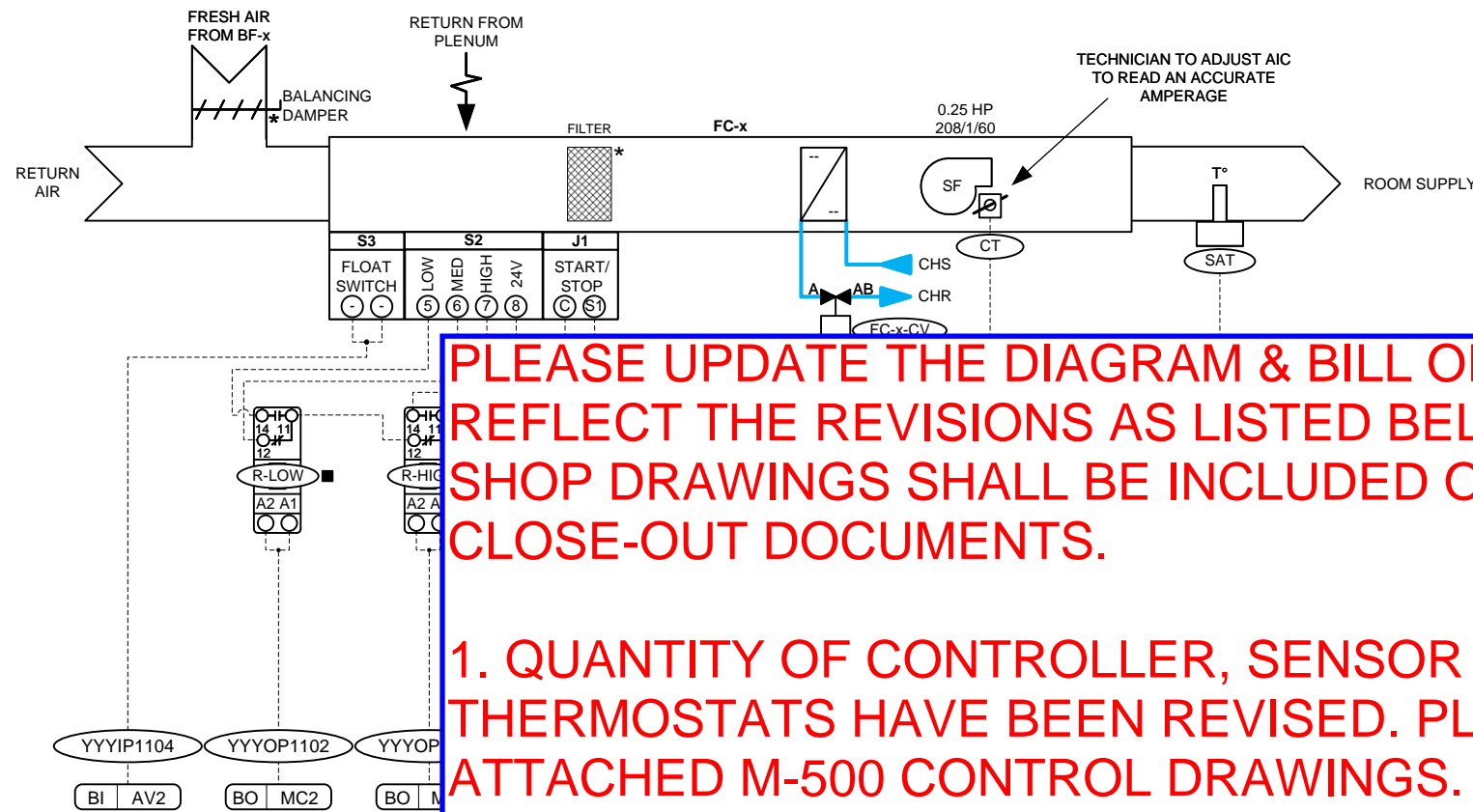
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-605

|              |          |
|--------------|----------|
| GROUND FLOOR |          |
| ENCLO-L1-21  | CP155021 |
| ENCLO-L1-23  | CP155023 |
| ENCLO-L1-24  | CP155024 |

|             |          |
|-------------|----------|
| THIRD FLOOR |          |
| ENCLO-L3-5  | CP155205 |

**ROOM CONTROL – FCU – TYPE 1C**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 4



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                          |  |
|-----------------|---|---------------------|----|--------------------------|--|
| TYPE 1C - ENCLO | ■ |                     |    |                          |  |
| TYPE 1C - ENCLO | ■ |                     |    |                          |  |
| TYPE 1C - ENCLO | ■ |                     |    |                          |  |
| TYPE 1C - ENCLO | ■ |                     |    |                          |  |
| TYPE 1C - ENCLO | ■ | CPYYY               | 4  | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 1C - ENCLO | ■ |                     | 4  | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 1C - ENCLO | ■ | EBOX                | 4  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 1C - ENCLO | ■ |                     | 8  | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 1C - ENCLO | ■ |                     | 8  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 1C - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 12 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 1C - ENCLO | ■ |                     | 12 | GZT92                    | Relay Base   |
| TYPE 1C         |   | SAT                 | 4  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 1C         |   | RMT                 | 4  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 1C         |   | CT                  | 4  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 1C         |   | HUB                 | 4  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 1C         |   | FC-x-CV             | 4  | SEE VALVE LIST           | See Valve List   |

|                       |                 |                 |            |
|-----------------------|-----------------|-----------------|------------|
| DESIGNER              | A.YZZOGH        | PROJECT MANAGER | C.SOARES   |
| INTERNAL VERIFICATION | J.ASSELIN SMITH | APPROVAL        | 02-25 A.Y. |
| CODE                  | REVISION        | DATE            | DRAWN BY   |

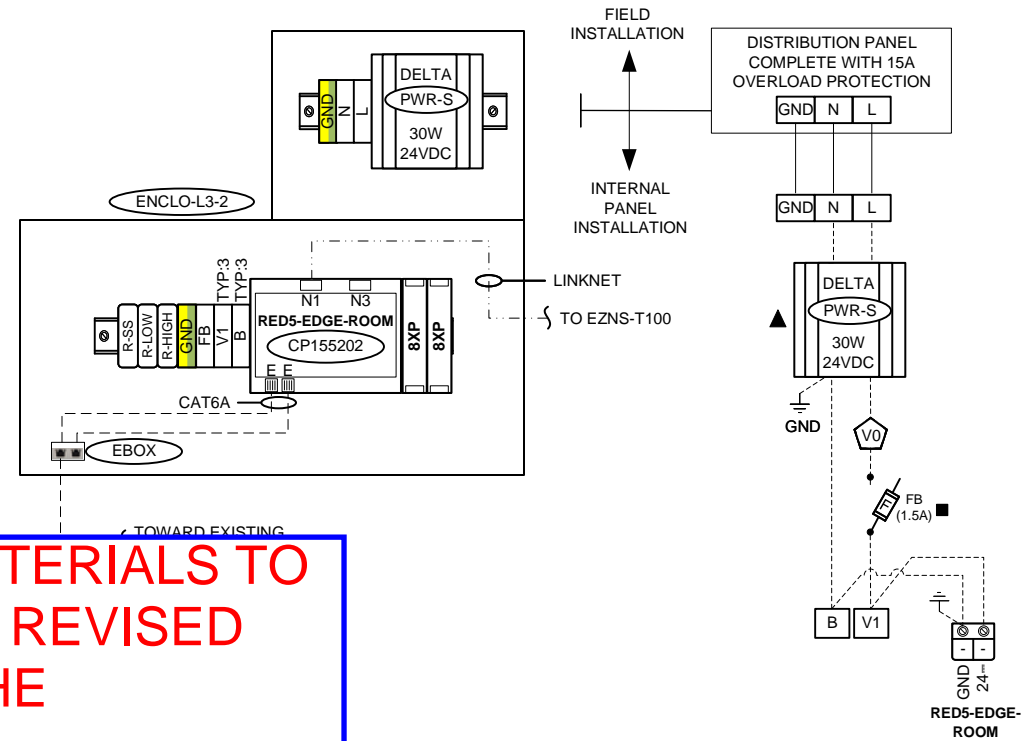
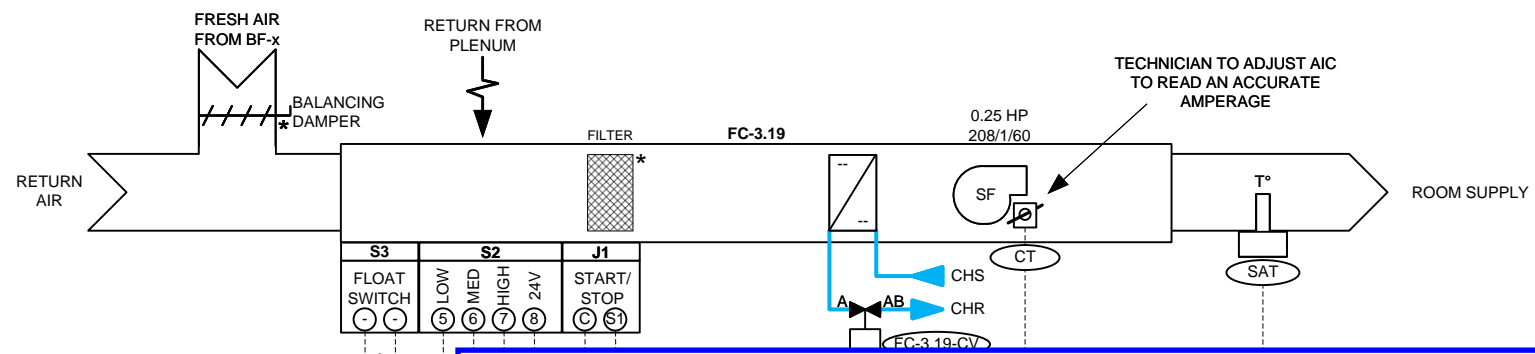
**DESIGNER**  
A.YZZOGH  
**PROJECT MANAGER**  
C.SOARES  
**INTERNAL VERIFICATION**  
J.ASSELIN SMITH

3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

|              |            |
|--------------|------------|
| NO: BUILDING | B-001771   |
| NO: PROJECT  | 2411-00450 |
| PAGE:        | A-606      |

**ROOM CONTROL - FCU - TYPE 1D**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

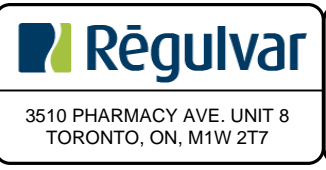
**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                         |  |
|-----------------|---|---------------------|---|-------------------------|--|
| TYPE 1D - ENCLO | ■ |                     |   |                         |  |
| TYPE 1D - ENCLO | ■ |                     |   |                         |  |
| TYPE 1D - ENCLO | ■ |                     |   |                         |  |
| TYPE 1D - ENCLO | ■ |                     |   |                         |  |
| TYPE 1D - ENCLO | ■ | CP155202            | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 1D - ENCLO | ■ |                     | 2 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 1D - ENCLO | ■ | EBOX                | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 1D - ENCLO | ■ |                     | 2 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 1D - ENCLO | ■ |                     | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 1D - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 3 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 1D - ENCLO | ■ |                     | 3 | GZT92                   | Relay Base   |
| TYPE 1D         |   | SAT                 | 1 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 1D         |   | RMT                 | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 1D         |   | CT                  | 1 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 1D         |   | WD                  | 1 | WLDR105                 | Water detector, SPST, .5A at 120Vac/30Vdc, 17-30Vac/dc (125mA), c/w 5m remote probe  |
| TYPE 1D         |   | FC-3.19-CV          | 1 | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

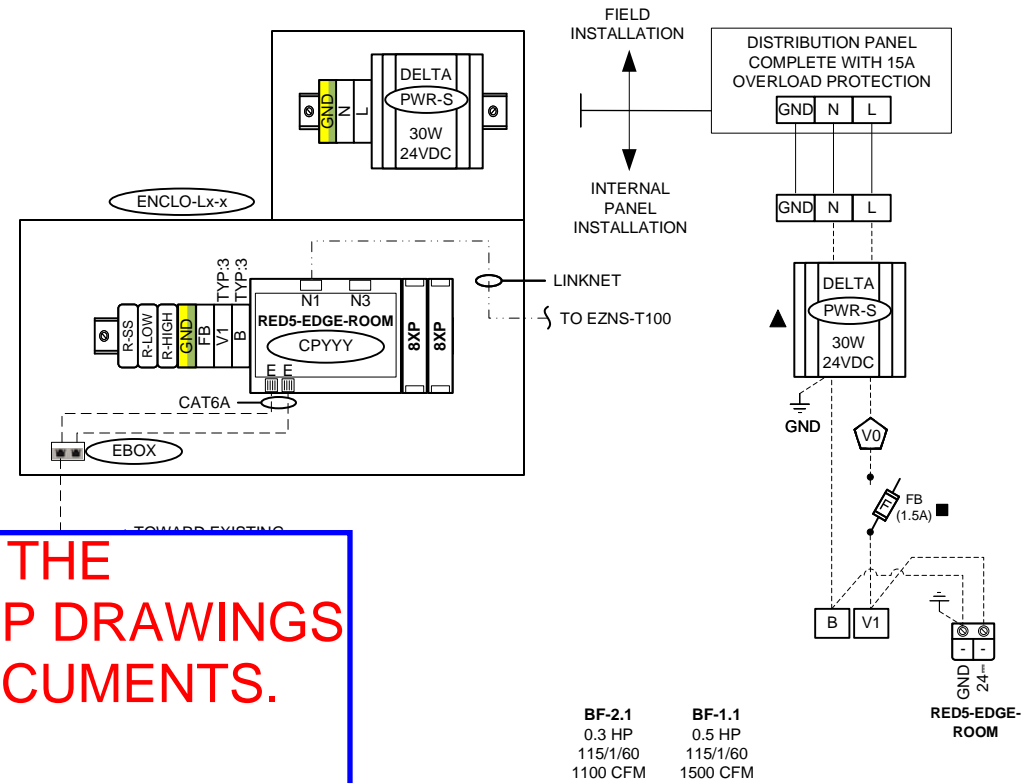
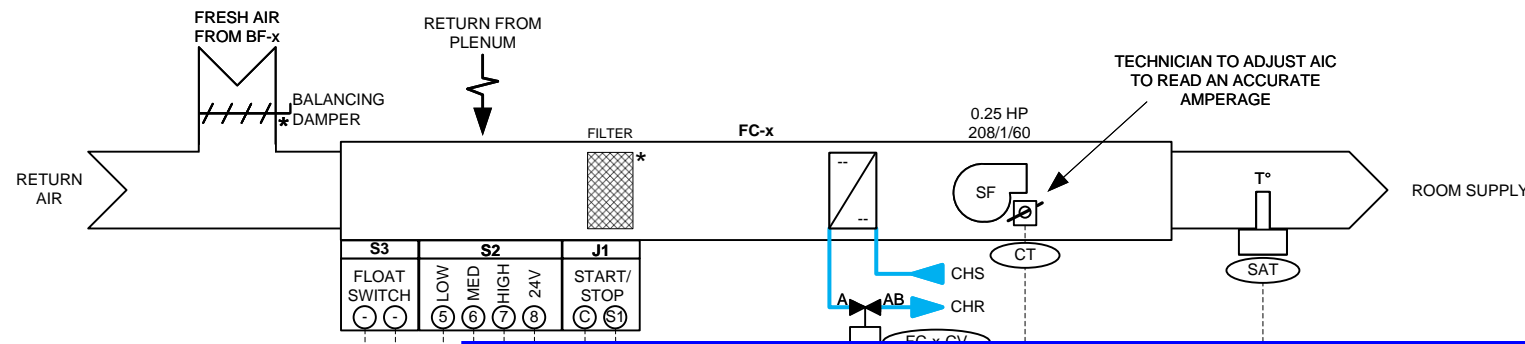


**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-607

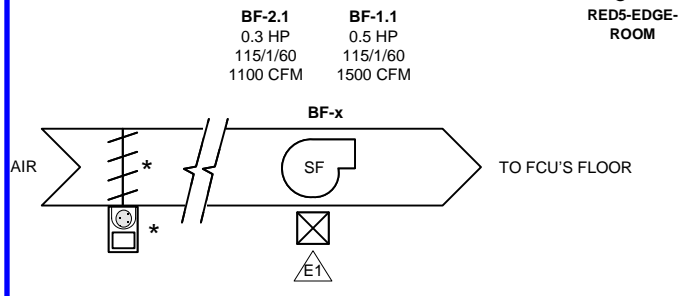
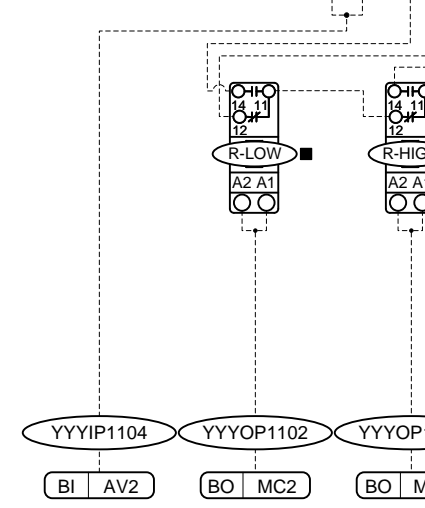
GROUND FLOOR  
 ENCL0-L1-4 CP155004 BF-1.1  
 SECOND FLOOR  
 ENCL0-L2-15 CP155115 BF-2.1

**ROOM CONTROL – FCU & BOOSTER FAN – TYPE 1E**  
 (CONTROL DIAGRAM)  
 TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.
2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

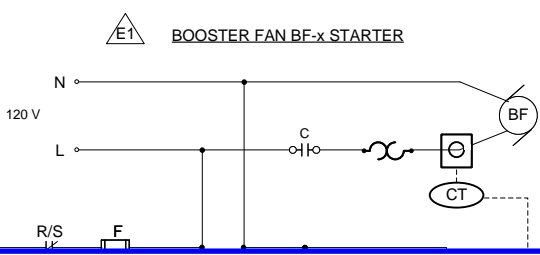
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

**Régulvar**  
 3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-608

**ROOM CONTROL – FCU & BOOSTER FAN – TYPE 1E**  
 (ELECTRICAL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

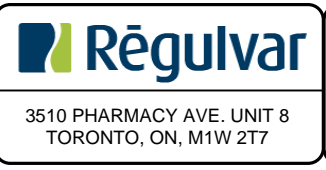
**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                         |   |                         |  |
|-----------------|---|-------------------------|---|-------------------------|--|
| TYPE 1E - ENCLO | ■ |                         |   |                         |  |
| TYPE 1E - ENCLO | ■ |                         |   |                         |  |
| TYPE 1E - ENCLO | ■ |                         |   |                         |  |
| TYPE 1E - ENCLO | ■ |                         |   |                         |  |
| TYPE 1E - ENCLO | ■ | CPYYY                   | 2 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 1E - ENCLO | ■ |                         | 4 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 1E - ENCLO | ■ | EBOX                    | 2 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 1E - ENCLO | ■ |                         | 4 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 1E - ENCLO | ■ |                         | 4 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 1E - ENCLO | ■ | R-LOW, R-HIGH, R-SS, RL | 8 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 1E - ENCLO | ■ |                         | 8 | GZT92                   | Relay Base   |
| TYPE 1E         |   | SAT                     | 2 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 1E         |   | RMT                     | 2 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 1E         |   | CT                      | 4 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 1E         |   | FC-x-CV                 | 2 | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

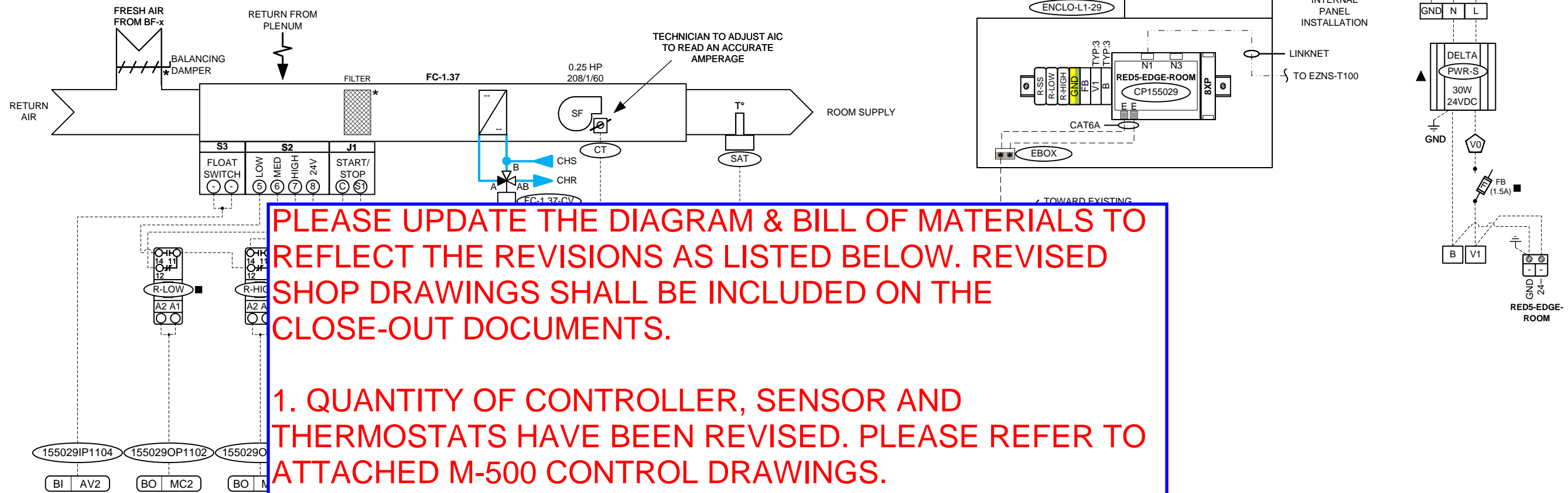
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-609

**ROOM CONTROL - FCU - TYPE 1F**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                         |  |  |
|-----------------|---|---------------------|---|-------------------------|--|--|
| TYPE 1F - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 1F - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 1F - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 1F - ENCLO | ■ | PWR-S               | 1 | DRC-24V30W1AZ           | Power Supply 24Vdc (1.25A), 100-240Vac   |  |
| TYPE 1F - ENCLO | ■ | CP155029            | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |  |
| TYPE 1F - ENCLO | ■ |                     | 1 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 1F - ENCLO | ■ | EBOX                | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 1F - ENCLO | ■ |                     | 2 | 101723                  | CAT6A RJ45 Adapter   |  |
| TYPE 1F - ENCLO | ■ |                     | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |  |
| TYPE 1F - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 3 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 1F - ENCLO | ■ |                     | 3 | GZT92                   | Relay Base   |  |
| TYPE 1F         |   | SAT                 | 1 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |  |
| TYPE 1F         |   | RMT                 | 1 | EZNS-T100-NB-SM-015-WWG | entelizONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 1F         |   | CT                  | 1 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 1F         |   | FC-1.37-CV          | 1 | SEE VALVE LIST          | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

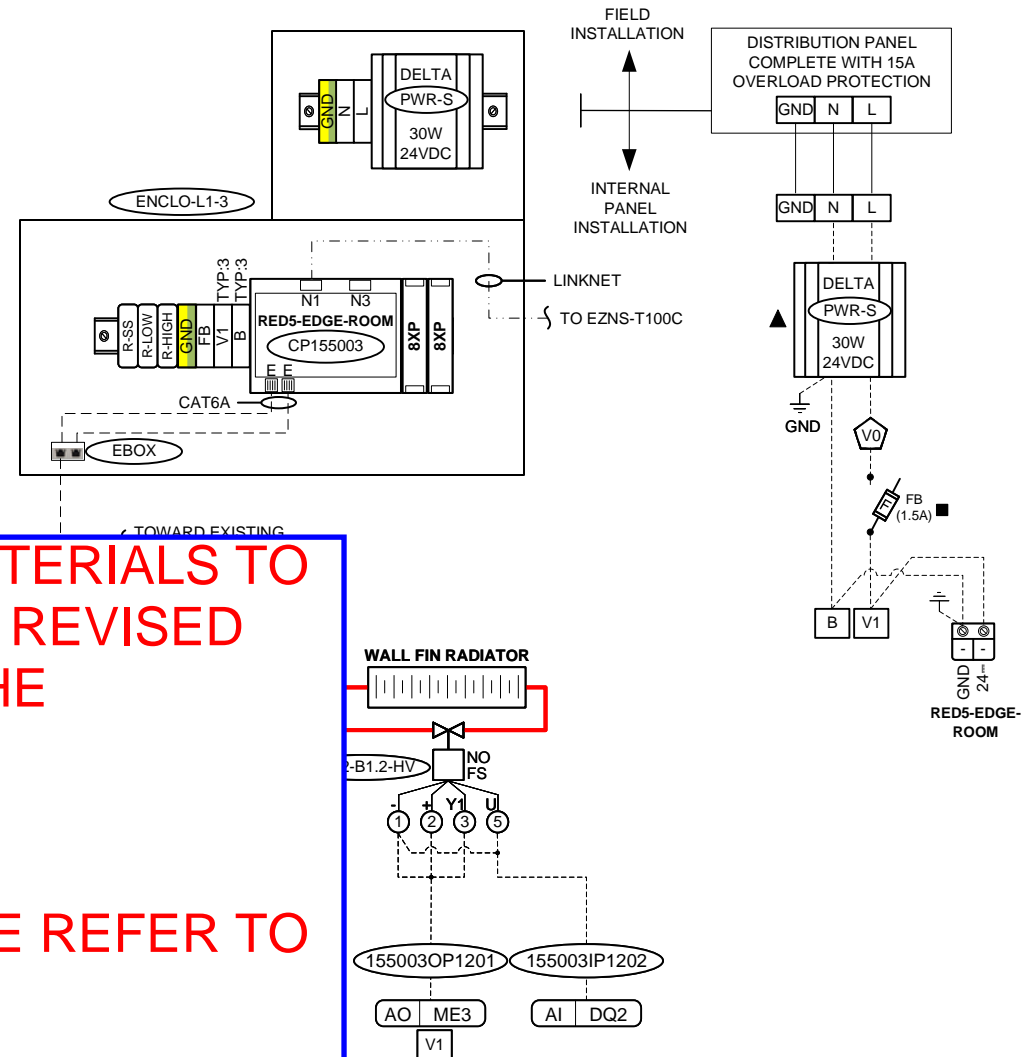
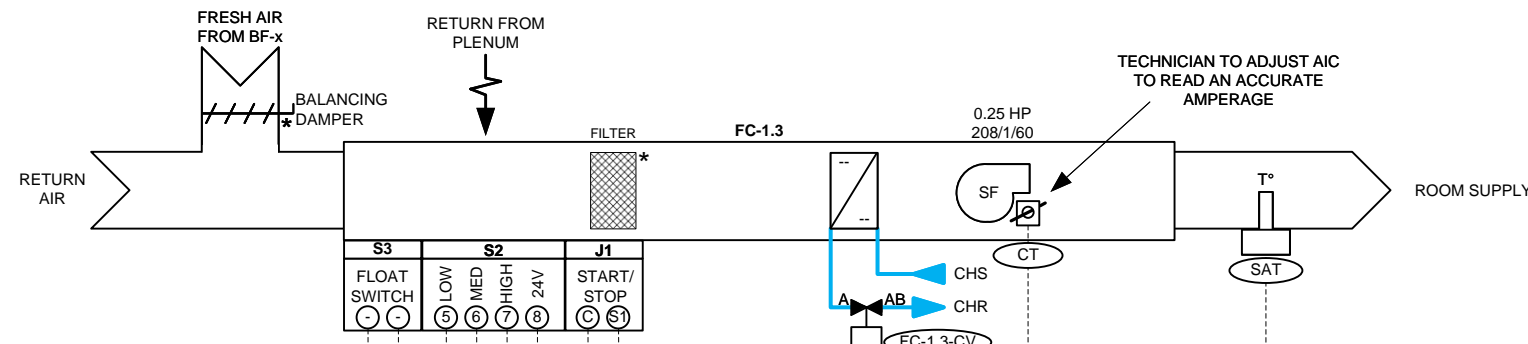
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**Regulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
YRAB  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-610

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 2A**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

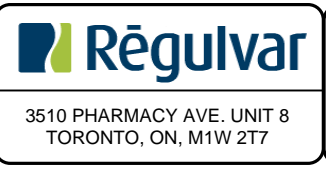
**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                            |   |                          |  |
|-----------------|---|----------------------------|---|--------------------------|--|
| TYPE 2A - ENCLO | ■ |                            |   |                          |  |
| TYPE 2A - ENCLO | ■ |                            |   |                          |  |
| TYPE 2A - ENCLO | ■ |                            |   |                          |  |
| TYPE 2A - ENCLO | ■ |                            |   |                          |  |
| TYPE 2A - ENCLO | ■ | CP155003                   | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 2A - ENCLO | ■ |                            | 2 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 2A - ENCLO | ■ | EBOX                       | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 2A - ENCLO | ■ |                            | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 2A - ENCLO | ■ |                            | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 2A - ENCLO | ■ | R-LOW, R-HIGH, R-SS        | 3 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 2A - ENCLO | ■ |                            | 3 | GZT92                    | Relay Base   |
| TYPE 2A         |   | SAT                        | 1 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 2A         |   | RMT                        | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 2A         |   | CT                         | 1 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 2A         |   | FC-1.3-CV,<br>WF-2-B1.2-HV | 2 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

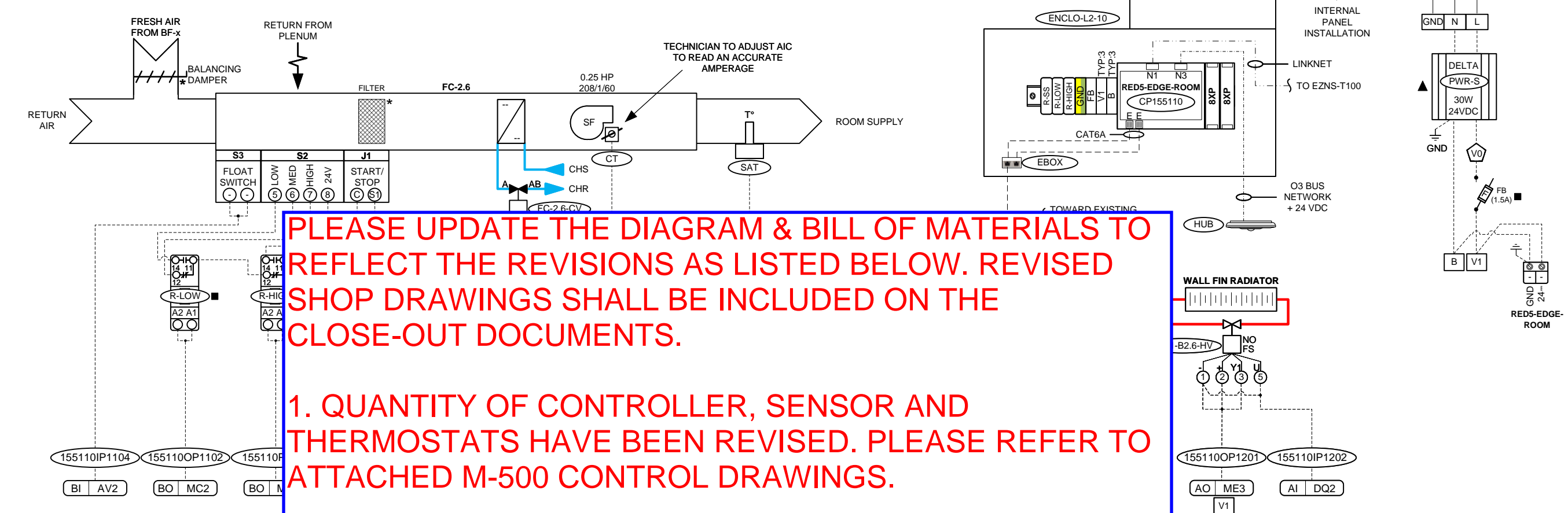
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-611

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 2B**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                            |   |                         |  |
|-----------------|---|----------------------------|---|-------------------------|--|
| TYPE 2B - ENCLO | ■ |                            |   |                         |  |
| TYPE 2B - ENCLO | ■ |                            |   |                         |  |
| TYPE 2B - ENCLO | ■ |                            |   |                         |  |
| TYPE 2B - ENCLO | ■ |                            |   |                         |  |
| TYPE 2B - ENCLO | ■ | CP155110                   | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 2B - ENCLO | ■ |                            | 2 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 2B - ENCLO | ■ | EBOX                       | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 2B - ENCLO | ■ |                            | 2 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 2B - ENCLO | ■ |                            | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 2B - ENCLO | ■ | R-LOW, R-HIGH, R-SS        | 3 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 2B - ENCLO | ■ |                            | 3 | GZT92                   | Relay Base   |
| TYPE 2B         |   | SAT                        | 1 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 2B         |   | RMT                        | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 2B         |   | HUB                        | 1 | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |
| TYPE 2B         |   | CT                         | 1 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 2B         |   | FC-2.6-CV,<br>WF-1-B2.6-HV | 2 | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

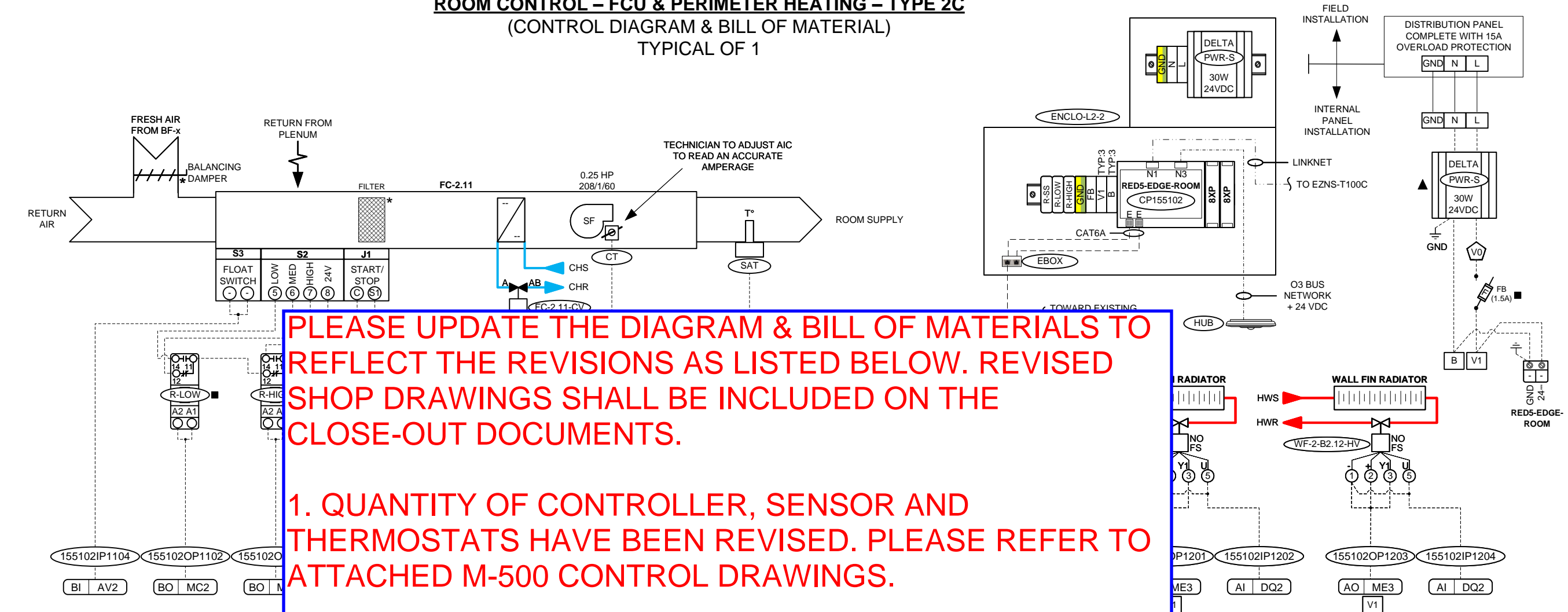
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-612



**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 2C**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                          |  |
|-----------------|---|---------------------|---|--------------------------|--|
| TYPE 2C - ENCLO | ■ |                     |   |                          |  |
| TYPE 2C - ENCLO | ■ |                     |   |                          |  |
| TYPE 2C - ENCLO | ■ |                     |   |                          |  |
| TYPE 2C - ENCLO | ■ |                     |   |                          |  |
| TYPE 2C - ENCLO | ■ | CP155102            | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 2C - ENCLO | ■ |                     | 2 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 2C - ENCLO | ■ | EBOX                | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 2C - ENCLO | ■ |                     | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 2C - ENCLO | ■ |                     | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 2C - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 3 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 2C - ENCLO | ■ |                     | 3 | GZT92                    | Relay Base   |
| TYPE 2C         |   | SAT                 | 1 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 2C         |   | RMT                 | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 2C         |   | HUB                 | 1 | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 2C         |   | CT                  | 1 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 2C         |   | FC-2.11-CV, WF-x-HV | 3 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

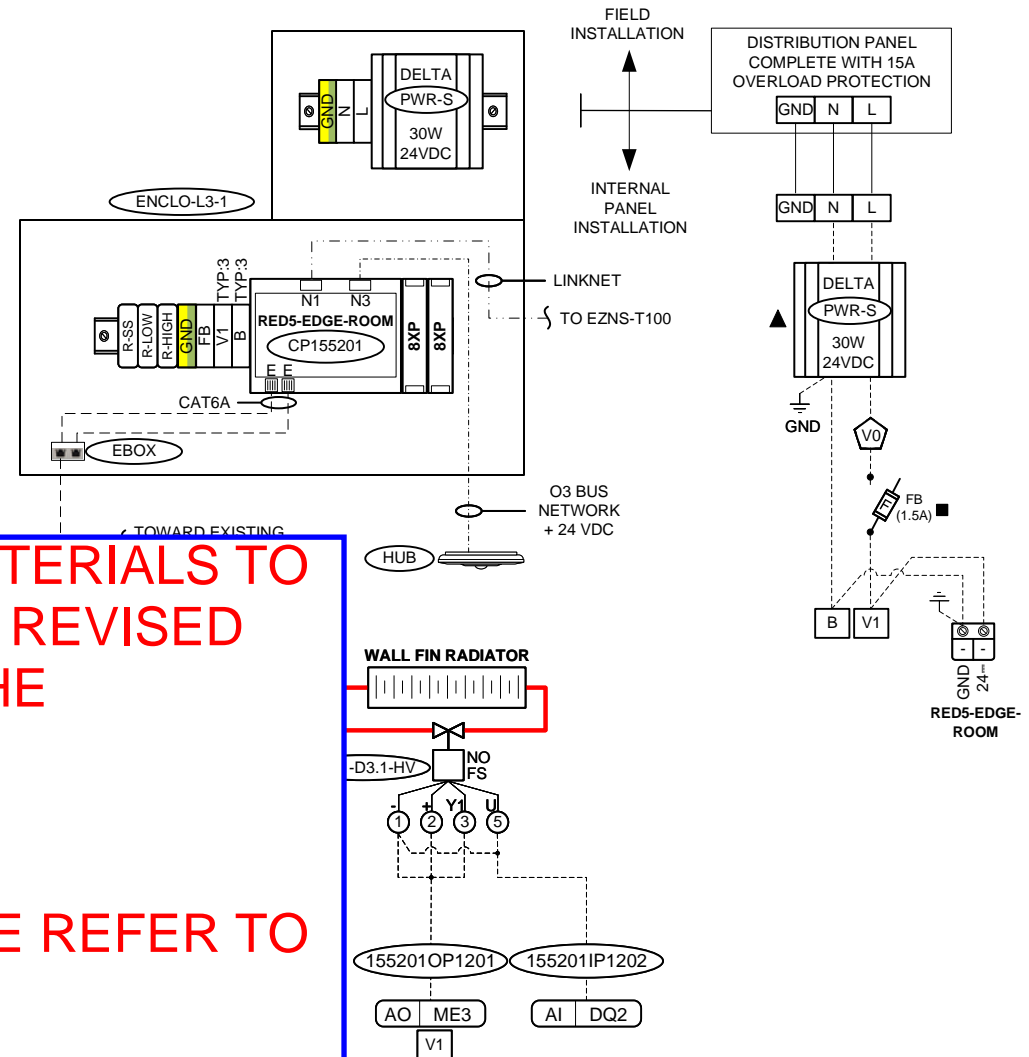
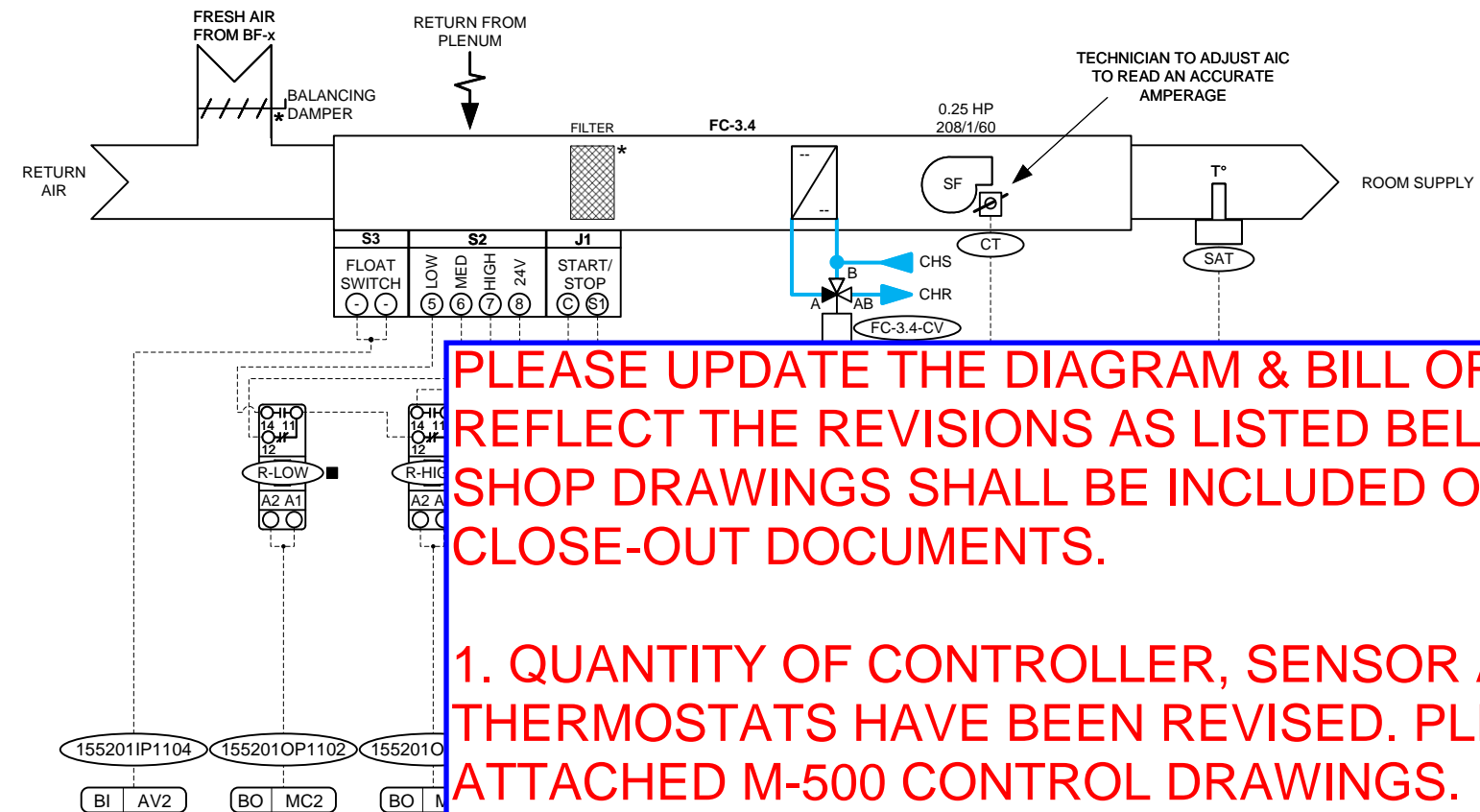
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-613

**Régulvar**  
 3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 2D**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                            |   |                         |  |
|-----------------|---|----------------------------|---|-------------------------|--|
| TYPE 2D - ENCL0 | ■ |                            |   |                         |  |
| TYPE 2D - ENCL0 | ■ |                            |   |                         |  |
| TYPE 2D - ENCL0 | ■ |                            |   |                         |  |
| TYPE 2D - ENCL0 | ■ |                            |   |                         |  |
| TYPE 2D - ENCL0 | ■ | CP155201                   | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 2D - ENCL0 | ■ |                            | 2 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 2D - ENCL0 | ■ | EBOX                       | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 2D - ENCL0 | ■ |                            | 2 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 2D - ENCL0 | ■ |                            | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 2D - ENCL0 | ■ | R-LOW, R-HIGH, R-SS        | 3 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 2D - ENCL0 | ■ |                            | 3 | GZT92                   | Relay Base   |
| TYPE 2D         |   | SAT                        | 1 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 2D         |   | RMT                        | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 2D         |   | HUB                        | 1 | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |
| TYPE 2D         |   | CT                         | 1 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 2D         |   | FC-3.4-CV,<br>WF-1-D3.1-HV | 2 | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

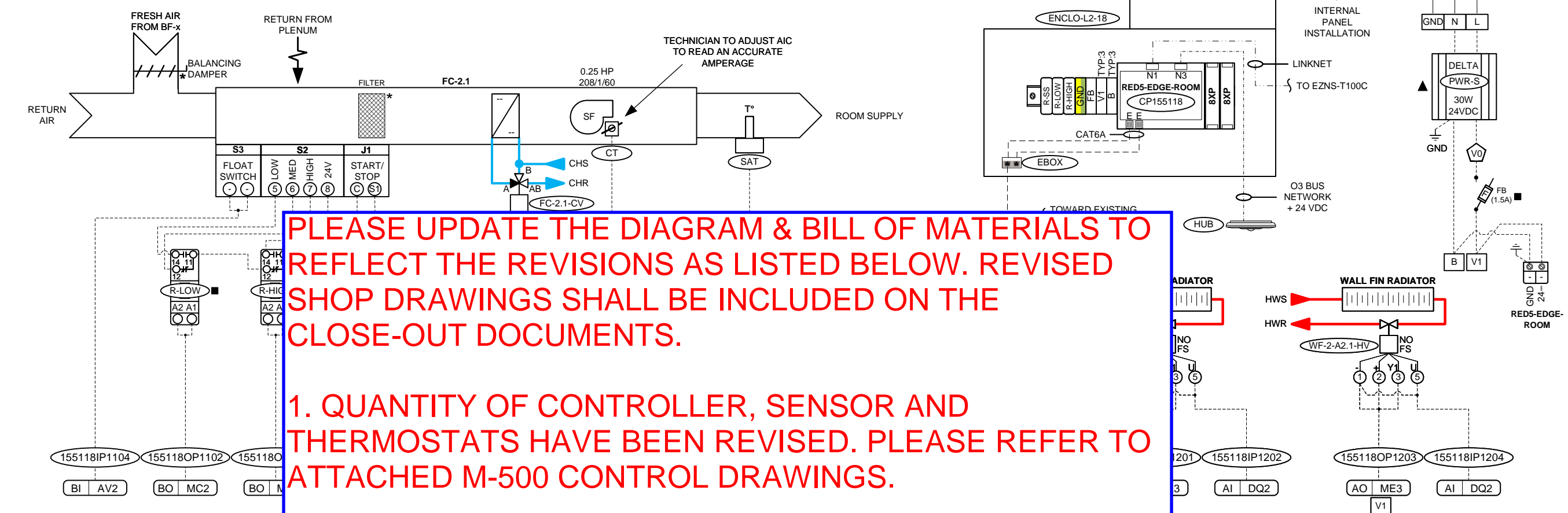
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-614

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 2E**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                       |   |                          |  |
|-----------------|---|-----------------------|---|--------------------------|--|
| TYPE 2E - ENCLO | ■ |                       |   |                          |  |
| TYPE 2E - ENCLO | ■ |                       |   |                          |  |
| TYPE 2E - ENCLO | ■ |                       |   |                          |  |
| TYPE 2E - ENCLO | ■ |                       |   |                          |  |
| TYPE 2E - ENCLO | ■ | CP155118              | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 2E - ENCLO | ■ |                       | 2 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 2E - ENCLO | ■ | EBOX                  | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 2E - ENCLO | ■ |                       | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 2E - ENCLO | ■ |                       | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 2E - ENCLO | ■ | R-LOW, R-HIGH, R-SS   | 3 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 2E - ENCLO | ■ |                       | 3 | GZT92                    | Relay Base   |
| TYPE 2E         |   | SAT                   | 1 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 2E         |   | RMT                   | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 2E         |   | HUB                   | 1 | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 2E         |   | CT                    | 1 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 2E         |   | FC-2.1-CV,<br>WF-x-HV | 3 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE     | DRAWN BY | No.   | DESCRIPTION | DATE | DRAWN BY |
|------|----------|----------|----------|-------|-------------|------|----------|
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| 0    |          | APPROVAL |          | 02-25 | A.Y.        |      |          |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

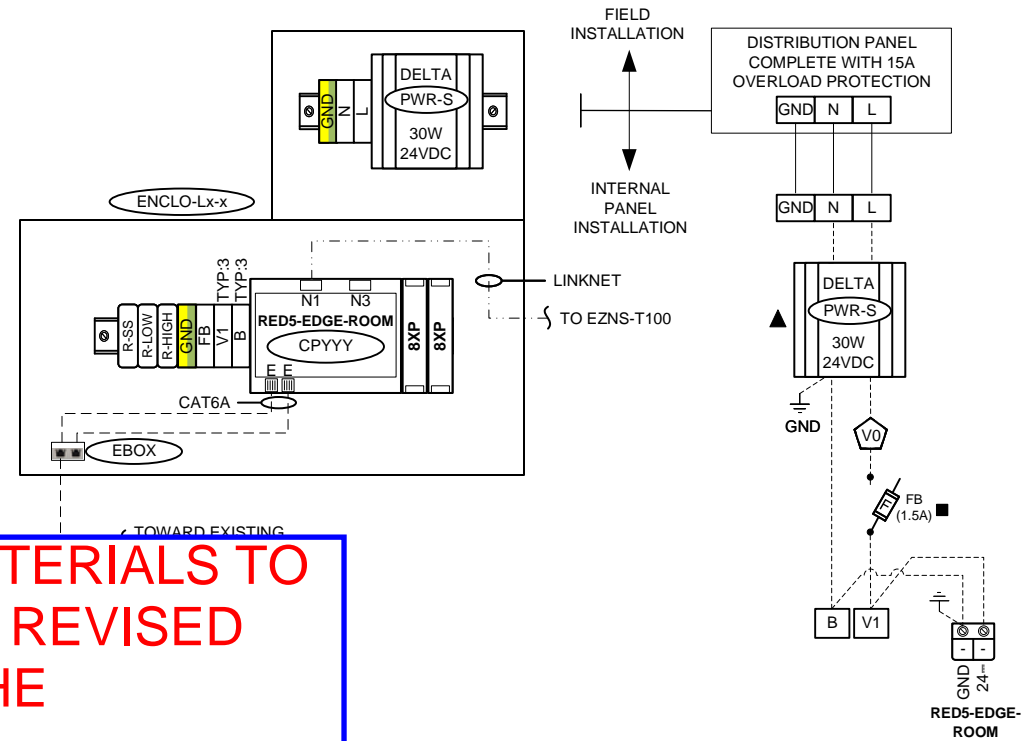
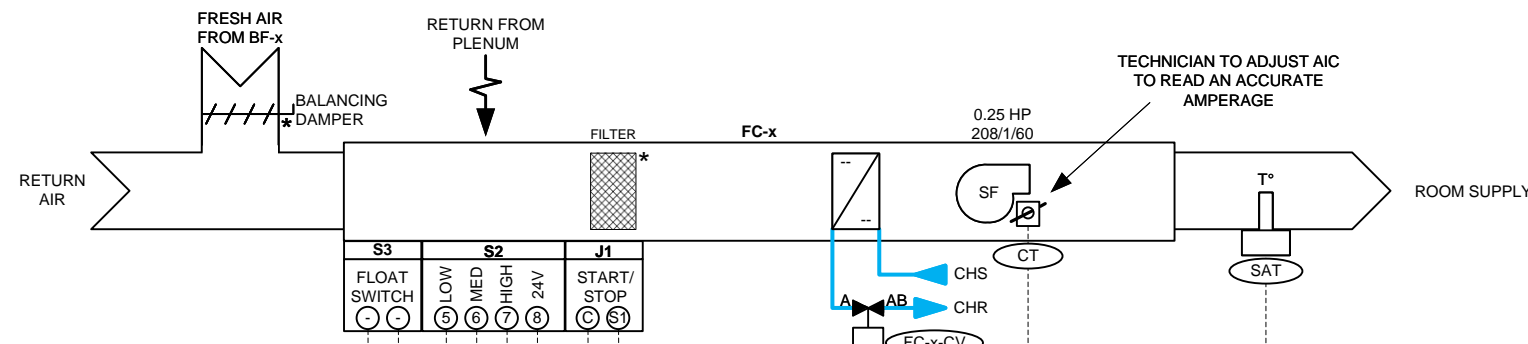
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-615

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

|              |          |
|--------------|----------|
| SECOND FLOOR |          |
| ENCLO-L2-5   | CP155105 |
| ENCLO-L2-13  | CP155113 |

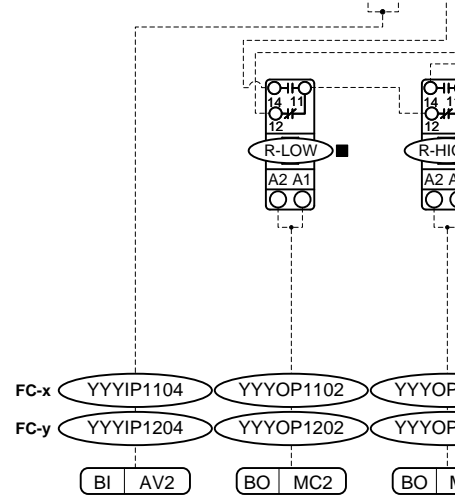
**ROOM CONTROL – FCU – TYPE 3A**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**



| SYSTEM          |   |                     |    |                         |  |
|-----------------|---|---------------------|----|-------------------------|--|
| TYPE 3A - ENCLO | ■ |                     |    |                         |  |
| TYPE 3A - ENCLO | ■ |                     |    |                         |  |
| TYPE 3A - ENCLO | ■ |                     |    |                         |  |
| TYPE 3A - ENCLO | ■ |                     |    |                         |  |
| TYPE 3A - ENCLO | ■ |                     |    |                         |  |
| TYPE 3A - ENCLO | ■ | CPYYY               | 2  | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 3A - ENCLO | ■ |                     | 4  | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 3A - ENCLO | ■ | EBOX                | 2  | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 3A - ENCLO | ■ |                     | 4  | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 3A - ENCLO | ■ |                     | 4  | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 3A - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 12 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 3A - ENCLO | ■ |                     | 12 | GZT92                   | Relay Base   |
| TYPE 3A         |   | SAT                 | 4  | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 3A         |   | RMT                 | 2  | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 3A         |   | CT                  | 4  | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 3A         |   | FC-x-CV             | 4  | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

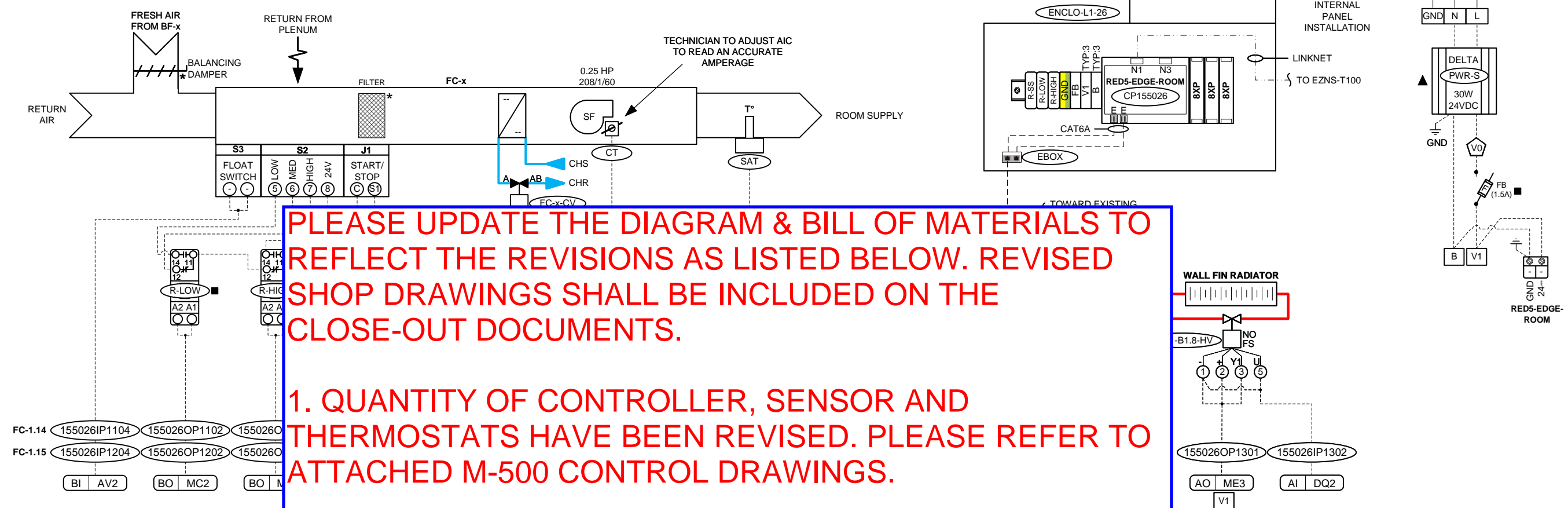
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-616

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3B**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

- FC-1.14 155026IP1104 155026OP1102 155026O
- FC-1.15 155026IP1204 155026OP1202 155026O
- BI AV2 BO MC2 BO M

| SYSTEM          |   |                          |   |                         |  |
|-----------------|---|--------------------------|---|-------------------------|--|
| TYPE 3B - ENCLO | ■ |                          |   |                         |  |
| TYPE 3B - ENCLO | ■ |                          |   |                         |  |
| TYPE 3B - ENCLO | ■ |                          |   |                         |  |
| TYPE 3B - ENCLO | ■ |                          |   |                         |  |
| TYPE 3B - ENCLO | ■ | CP155026                 | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 3B - ENCLO | ■ |                          | 3 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 3B - ENCLO | ■ | EBOX                     | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 3B - ENCLO | ■ |                          | 2 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 3B - ENCLO | ■ |                          | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 3B - ENCLO | ■ | R-LOW, R-HIGH, R-SS      | 6 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 3B - ENCLO | ■ |                          | 6 | GZT92                   | Relay Base   |
| TYPE 3B         |   | SAT                      | 2 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 3B         |   | RMT                      | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 3B         |   | CT                       | 2 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 3B         |   | FC-x-CV,<br>WF-1-B1.8-HV | 3 | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE     | DRAWN BY | No.   | DESCRIPTION | DATE | DRAWN BY |
|------|----------|----------|----------|-------|-------------|------|----------|
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| 0    |          | APPROVAL |          | 02-25 | A.Y.        |      |          |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

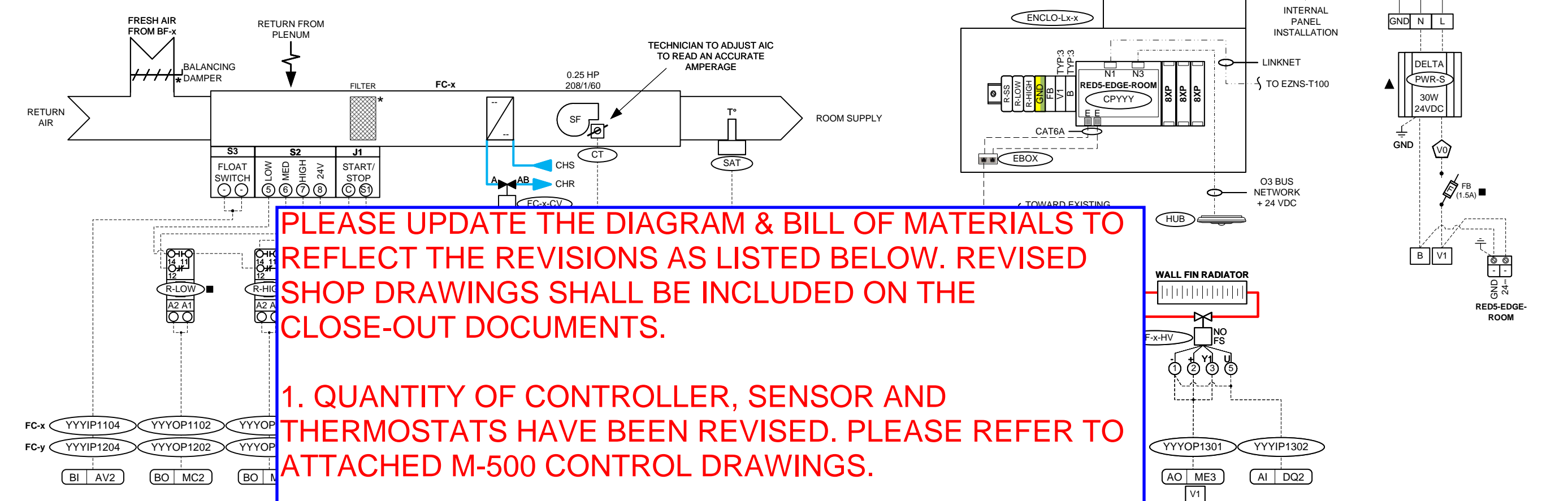
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-617

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

|              |          |
|--------------|----------|
| GROUND FLOOR |          |
| ENCLO-L1-14  | CP155014 |
| ENCLO-L1-22  | CP155022 |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3C**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                         |  |
|-----------------|---|---------------------|----|-------------------------|--|
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ |                     |    |                         |  |
| TYPE 3C - ENCLO | ■ | CPYYY               | 2  | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 3C - ENCLO | ■ |                     | 6  | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 3C - ENCLO | ■ | EBOX                | 2  | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 3C - ENCLO | ■ |                     | 4  | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 3C - ENCLO | ■ |                     | 4  | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 3C - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 12 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 3C - ENCLO | ■ |                     | 12 | GZT92                   | Relay Base   |
| TYPE 3C         |   | SAT                 | 4  | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 3C         |   | RMT                 | 2  | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 3C         |   | HUB                 | 2  | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |
| TYPE 3C         |   | CT                  | 4  | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 3C         |   | FC-x-CV             | 6  | SEE VALVE LIST          | See Valve List   |

|                      |                             |  |
|----------------------|-----------------------------|--|
| DESIGNER<br>A.YZZOGH | PROJECT MANAGER<br>C.SOARES | INTERNAL VERIFICATION<br>J.ASSELIN SMITH |
| 0                    | APPROVAL                    | 02-25 A.Y.                               |
| CODE                 | REVISION                    | DATE                                     |
|                      |                             |  |

**DESIGNER**  
A.YZZOGH  
**PROJECT MANAGER**  
C.SOARES  
**INTERNAL VERIFICATION**  
J.ASSELIN SMITH

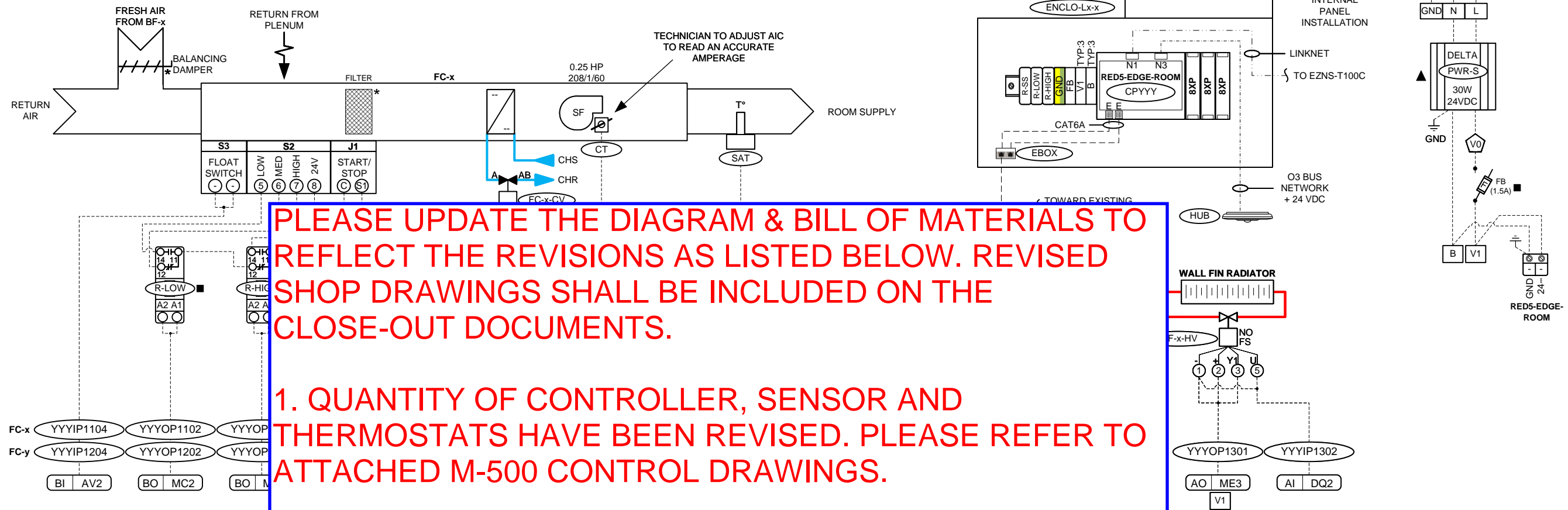
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-618

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

| GROUND FLOOR |          |
|--------------|----------|
| ENCLO-L1-5   | CP155005 |
| ENCLO-L1-10  | CP155010 |
| ENCLO-L1-19  | CP155019 |
| ENCLO-L1-28  | CP155028 |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3D**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 4



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                          |  |
|-----------------|---|---------------------|----|--------------------------|--|
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ |                     |    |                          |  |
| TYPE 3D - ENCLO | ■ | CPYYY               | 4  | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 3D - ENCLO | ■ |                     | 12 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 3D - ENCLO | ■ | EBOX                | 4  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 3D - ENCLO | ■ |                     | 8  | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 3D - ENCLO | ■ |                     | 8  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 3D - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 24 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 3D - ENCLO | ■ |                     | 24 | GZT92                    | Relay Base   |
| TYPE 3D         |   | SAT                 | 8  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 3D         |   | RMT                 | 4  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 3D         |   | HUB                 | 4  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 3D         |   | CT                  | 8  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 3D         |   | FC-x-CV, WF-x-HV    | 12 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

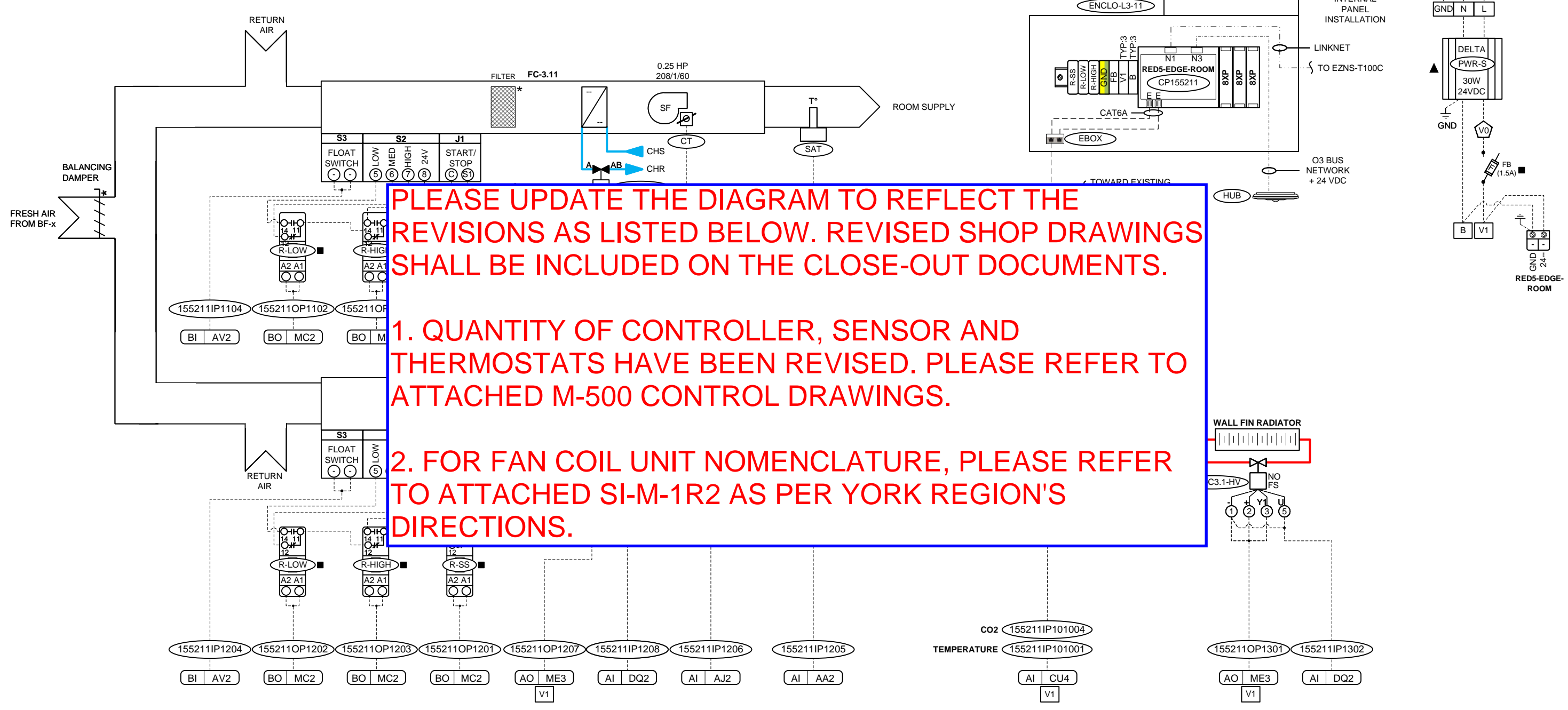
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-619

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3E**  
 (CONTROL DIAGRAM)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

- 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**
- 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-620



**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3E**  
 (BILL OF MATERIAL)  
 TYPICAL OF 1

| SYSTEM          |   |  |   |                |                |
|-----------------|---|--|---|----------------|----------------|
| TYPE 3E - ENCL0 | ■ | ENCL0                                      |   |                |                |
| TYPE 3E - ENCL0 | ■ |  |   |                |                |
| TYPE 3E - ENCL0 | ■ |  |   |                |                |
| TYPE 3E - ENCL0 | ■ | PV   |   |                |                |
| TYPE 3E - ENCL0 | ■ | CP   |   |                |                |
| TYPE 3E - ENCL0 | ■ |  |   |                |                |
| TYPE 3E - ENCL0 | ■ | E  |   |                |                |
| TYPE 3E - ENCL0 | ■ |  |   |                |                |
| TYPE 3E - ENCL0 | ■ | R-LOW, R                                   |   |                |                |
| TYPE 3E - ENCL0 | ■ |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   |  |   |                |                |
| TYPE 3E         |   | FC-3.11-CV,<br>FC-3.12-CV,<br>WF-2-C3.1-HV | 3 | SEE VALVE LIST | See Valve List |

**PLEASE UPDATE BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

Vdc (7W)

mount 24Vac/dc Overlay 015

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

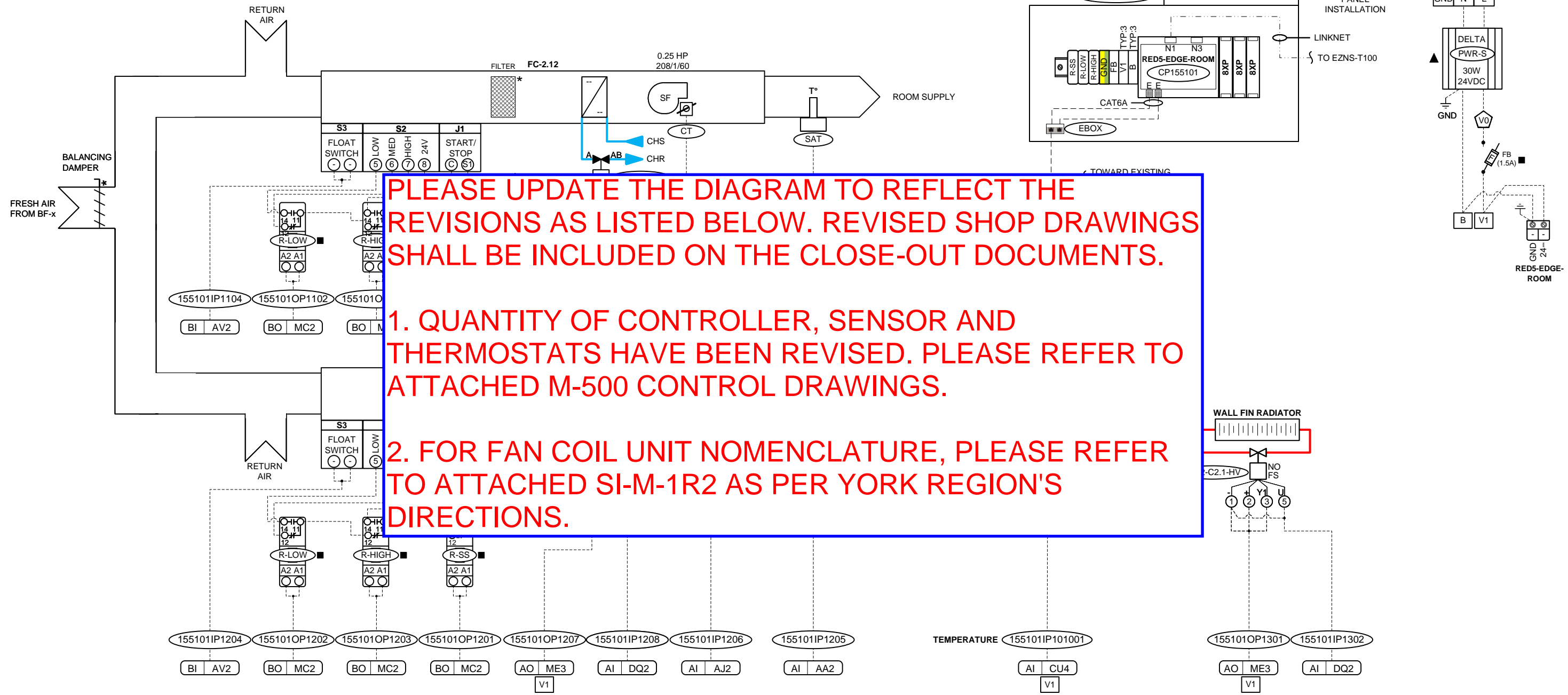
|  |
|--|
| DESIGNER<br>A.YZZOGH                     |
| PROJECT MANAGER<br>C.SOARES              |
| INTERNAL VERIFICATION<br>J.ASSELIN SMITH |



|   |
|---|
| <b>PROJECT</b><br><b>YRAB</b><br>PHASE D RENOVATION |
|---|

|                           |
|---------------------------|
| NO: BUILDING<br>B-001771  |
| NO: PROJECT<br>2411-00450 |
| PAGE:<br>A-621            |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3F**  
(CONTROL DIAGRAM)  
TYPICAL OF 1



| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-622

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 3F**  
 (BILL OF MATERIAL)  
 TYPICAL OF 1

| SYSTEM          |   |  |   |                |                            |
|-----------------|---|--|---|----------------|----------------------------|
| TYPE 3F - ENCLO | ■ | ENCLO                                      |   |                |                            |
| TYPE 3F - ENCLO | ■ |  |   |                |                            |
| TYPE 3F - ENCLO | ■ |  |   |                |                            |
| TYPE 3F - ENCLO | ■ | PV   |   |                |                            |
| TYPE 3F - ENCLO | ■ | CP   |   |                | Vdc (7W)                   |
| TYPE 3F - ENCLO | ■ |  |   |                |                            |
| TYPE 3F - ENCLO | ■ | E  |   |                |                            |
| TYPE 3F - ENCLO | ■ |  |   |                |                            |
| TYPE 3F - ENCLO | ■ | R-LOW, R                                   |   |                |                            |
| TYPE 3F - ENCLO | ■ |  |   |                |                            |
| TYPE 3F         |   |  |   |                |                            |
| TYPE 3F         |   |  |   |                | mount 24Vac/dc Overlay 015 |
| TYPE 3F         |   |  |   |                |                            |
| TYPE 3F         |   |  |   |                |                            |
| TYPE 3F         |   | FC-2.12-CV,<br>FC-2.13-CV,<br>WF-2-C2.1-HV | 3 | SEE VALVE LIST | See Valve List             |

**PLEASE UPDATE BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

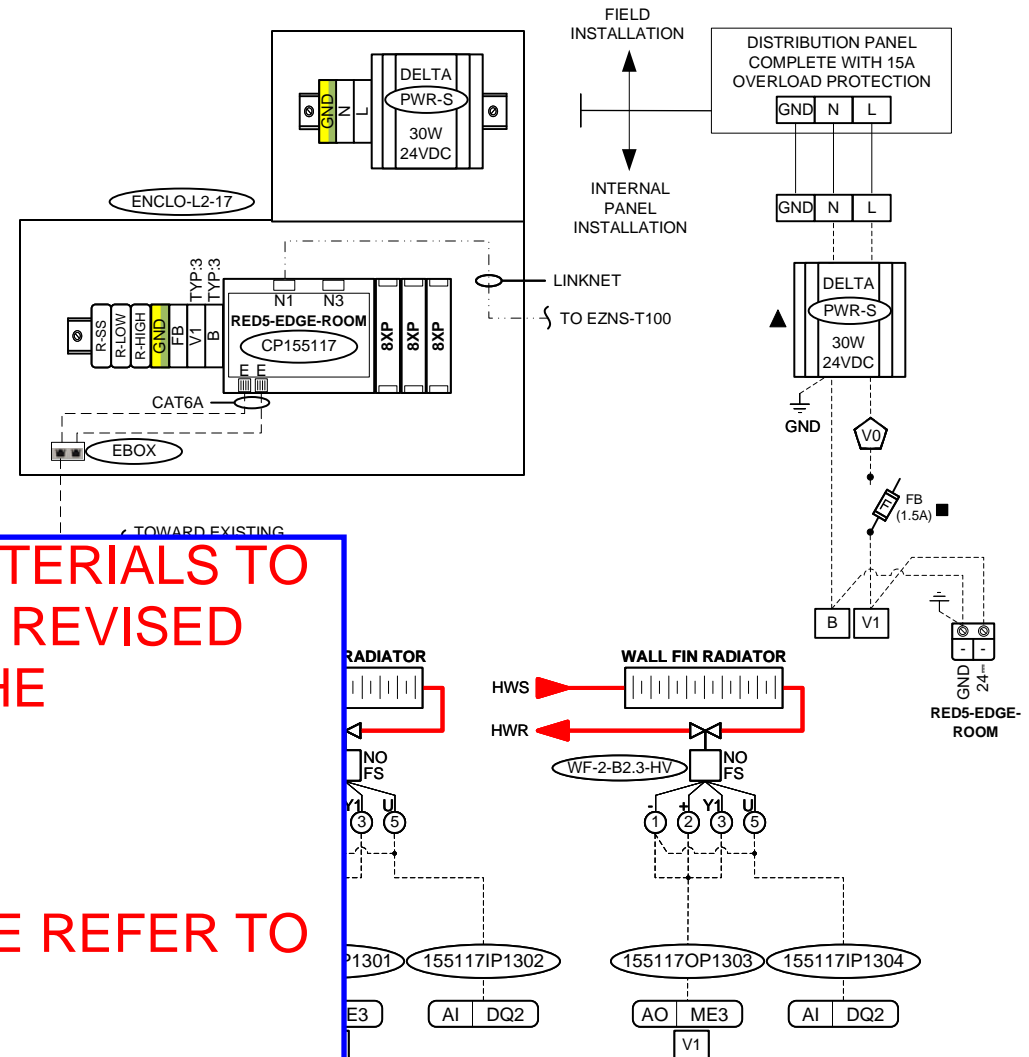
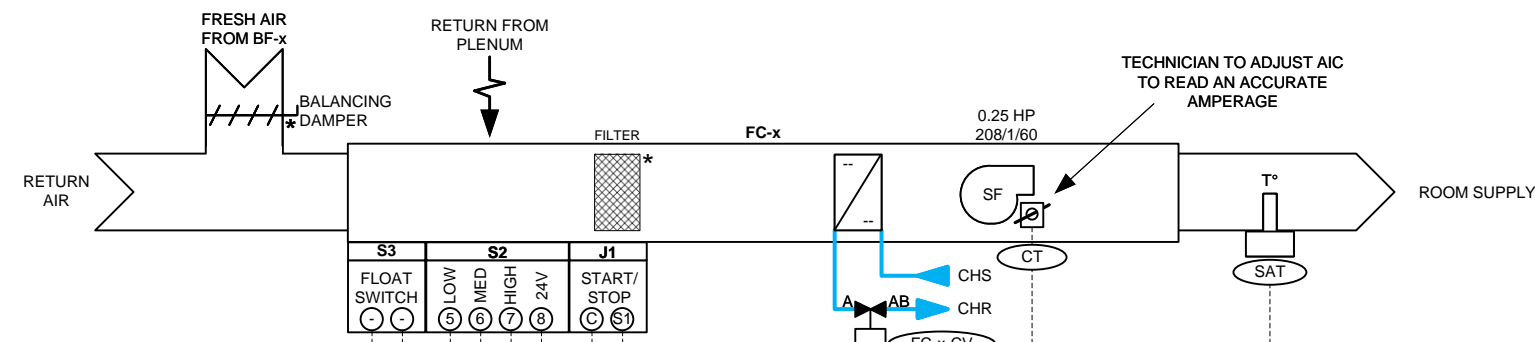
|  |
|--|
| DESIGNER<br>A.YZZOGH                     |
| PROJECT MANAGER<br>C.SOARES              |
| INTERNAL VERIFICATION<br>J.ASSELIN SMITH |



|   |
|---|
| <b>PROJECT</b><br><b>YRAB</b><br>PHASE D RENOVATION |
|---|

|                           |
|---------------------------|
| NO: BUILDING<br>B-001771  |
| NO: PROJECT<br>2411-00450 |
| PAGE:<br>A-623            |

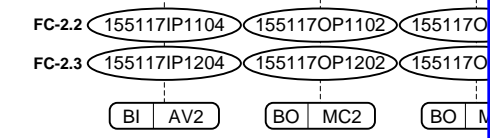
**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 4A**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**



| SYSTEM          |   |                     |   |                         |  |  |
|-----------------|---|---------------------|---|-------------------------|--|--|
| TYPE 4A - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 4A - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 4A - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 4A - ENCLO | ■ |                     |   |                         |  |  |
| TYPE 4A - ENCLO | ■ | CP155117            | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |  |
| TYPE 4A - ENCLO | ■ |                     | 3 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 4A - ENCLO | ■ | EBOX                | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 4A - ENCLO | ■ |                     | 2 | 101723                  | CAT6A RJ45 Adapter   |  |
| TYPE 4A - ENCLO | ■ |                     | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |  |
| TYPE 4A - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 6 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 4A - ENCLO | ■ |                     | 6 | GZT92                   | Relay Base   |  |
| TYPE 4A         |   | SAT                 | 2 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |  |
| TYPE 4A         |   | RMT                 | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 4A         |   | CT                  | 2 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 4A         |   | FC-x-CV, WF-x-HV    | 4 | SEE VALVE LIST          | See Valve List   |  |

| CODE | REVISION | DATE     | DRAWN BY | No.   | DESCRIPTION | DATE | DRAWN BY |
|------|----------|----------|----------|-------|-------------|------|----------|
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| -    | -        | -        | -        | -     | -           | -    | -        |
| 0    |          | APPROVAL |          | 02-25 | A.Y.        |      |          |

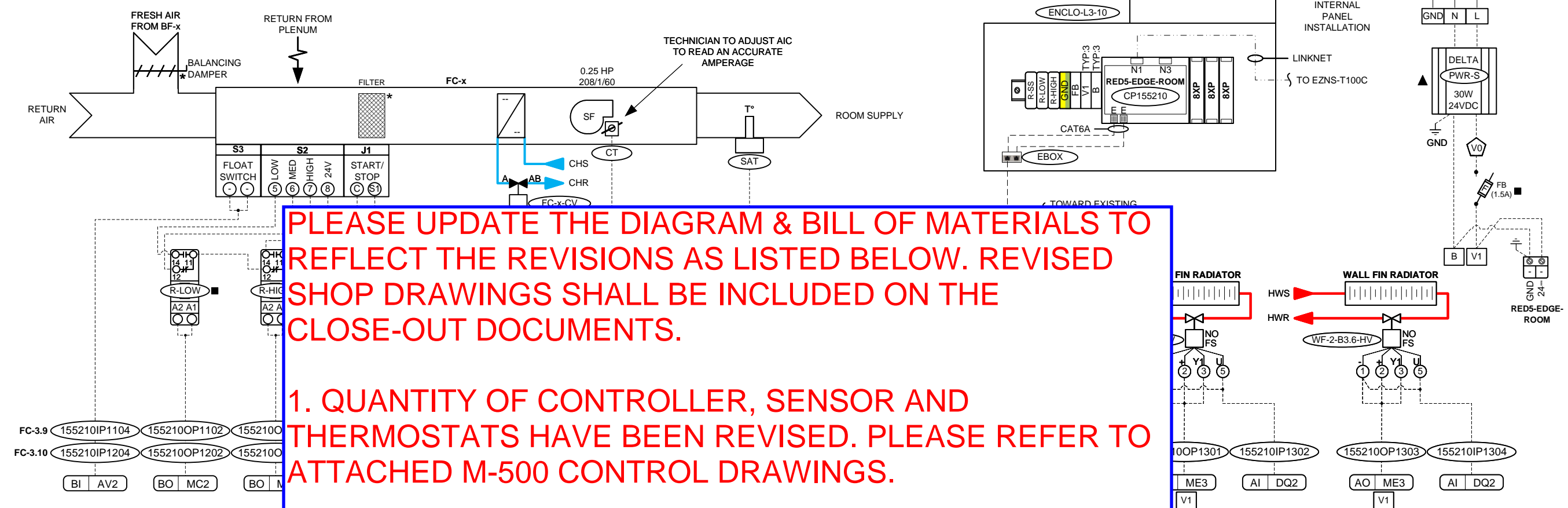
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-624

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 4B**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



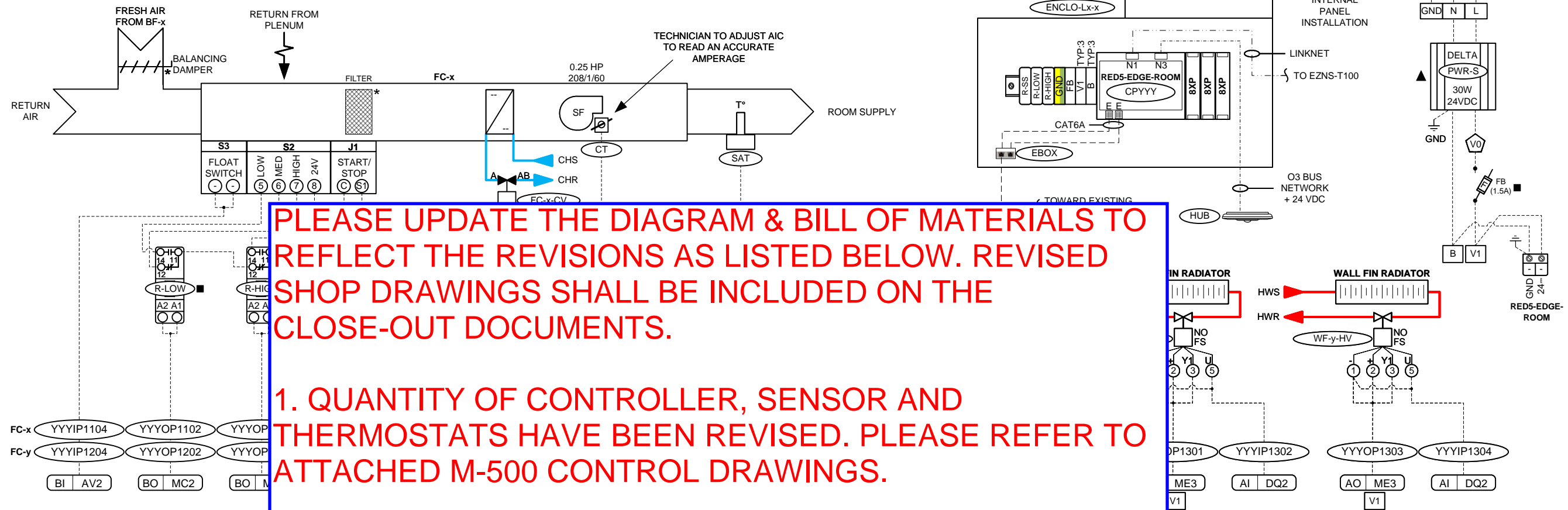
**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                          |  |
|-----------------|---|---------------------|---|--------------------------|--|
| TYPE 4B - ENCLO | ■ |                     |   |                          |  |
| TYPE 4B - ENCLO | ■ |                     |   |                          |  |
| TYPE 4B - ENCLO | ■ |                     |   |                          |  |
| TYPE 4B - ENCLO | ■ |                     |   |                          |  |
| TYPE 4B - ENCLO | ■ | CP155210            | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 4B - ENCLO | ■ |                     | 3 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 4B - ENCLO | ■ | EBOX                | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 4B - ENCLO | ■ |                     | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 4B - ENCLO | ■ |                     | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 4B - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 6 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 4B - ENCLO | ■ |                     | 6 | GZT92                    | Relay Base   |
| TYPE 4B         |   | SAT                 | 2 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 4B         |   | RMT                 | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 4B         |   | CT                  | 2 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 4B         |   | FC-x-CV, WF-x-HV    | 4 | SEE VALVE LIST           | See Valve List   |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 4C**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                         |  |
|-----------------|---|---------------------|----|-------------------------|--|
| TYPE 4C - ENCL0 | ■ |                     |    |                         |  |
| TYPE 4C - ENCL0 | ■ |                     |    |                         |  |
| TYPE 4C - ENCL0 | ■ |                     |    |                         |  |
| TYPE 4C - ENCL0 | ■ |                     |    |                         |  |
| TYPE 4C - ENCL0 | ■ |                     |    |                         |  |
| TYPE 4C - ENCL0 | ■ | CPYYY               | 2  | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 4C - ENCL0 | ■ |                     | 6  | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 4C - ENCL0 | ■ | EBOX                | 2  | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 4C - ENCL0 | ■ |                     | 4  | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 4C - ENCL0 | ■ |                     | 4  | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 4C - ENCL0 | ■ | R-LOW, R-HIGH, R-SS | 12 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 4C - ENCL0 | ■ |                     | 12 | GZT92                   | Relay Base   |
| TYPE 4C         |   | SAT                 | 4  | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 4C         |   | RMT                 | 2  | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 4C         |   | HUB                 | 2  | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |
| TYPE 4C         |   | CT                  | 4  | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 4C         |   | FC-x-CV, WF-x-HV    | 8  | SEE VALVE LIST          | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

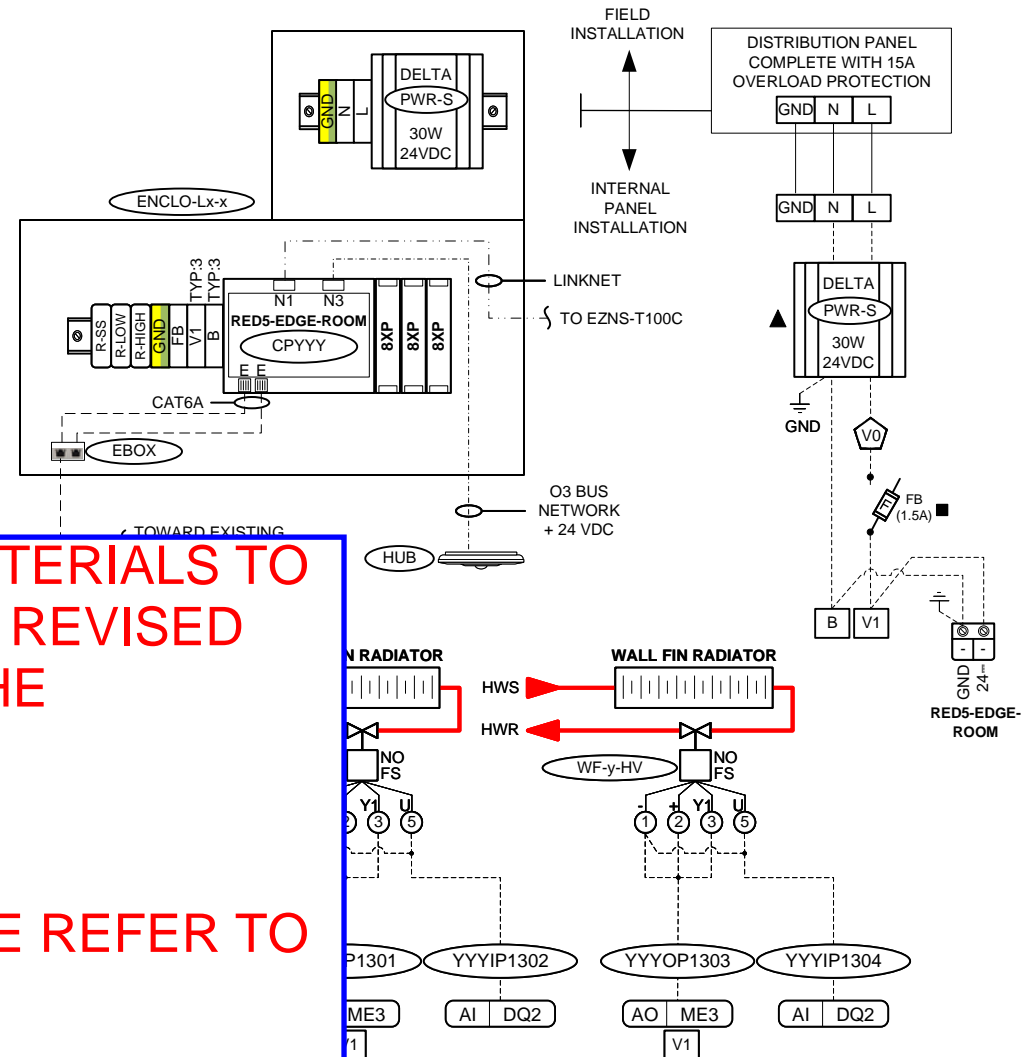
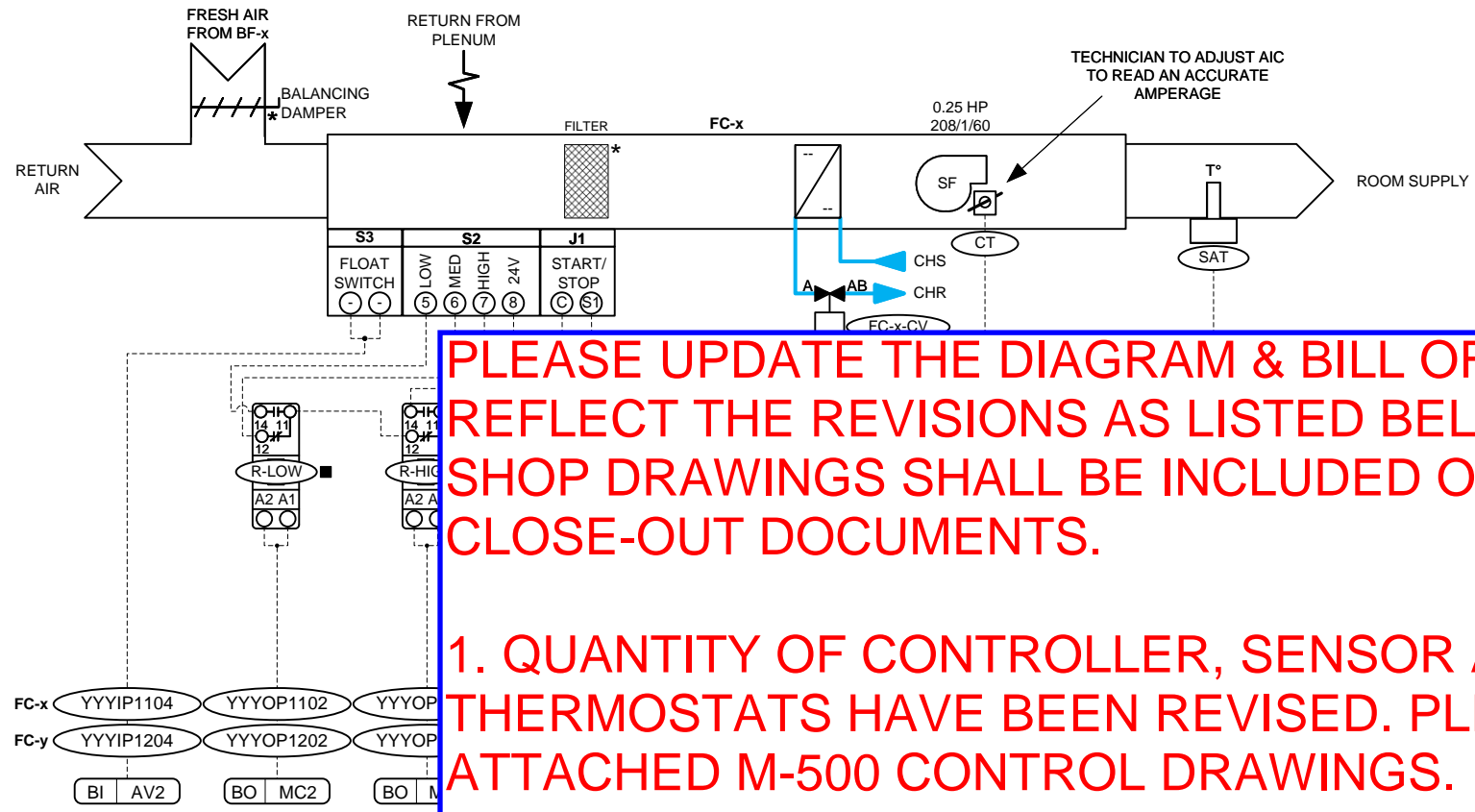


**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-626

| SECOND FLOOR |          |
|--------------|----------|
| ENCLO-L2-7   | CP155107 |
| ENCLO-L2-14  | CP155114 |
| ENCLO-L2-19  | CP155119 |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 4D**  
(CONTROL DIAGRAM)  
TYPICAL OF 3



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                          |  |
|-----------------|---|---------------------|----|--------------------------|--|
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ |                     |    |                          |  |
| TYPE 4D - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 18 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 4D - ENCLO | ■ |                     | 18 | GZT92                    | Relay Base   |
| TYPE 4D         |   | SAT                 | 6  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 4D         |   | RMT                 | 3  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 4D         |   | HUB                 | 3  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 4D         |   | CT                  | 6  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 4D         |   | FC-x-CV, WF-x-HV    | 12 | SEE VALVE LIST           | See Valve List   |

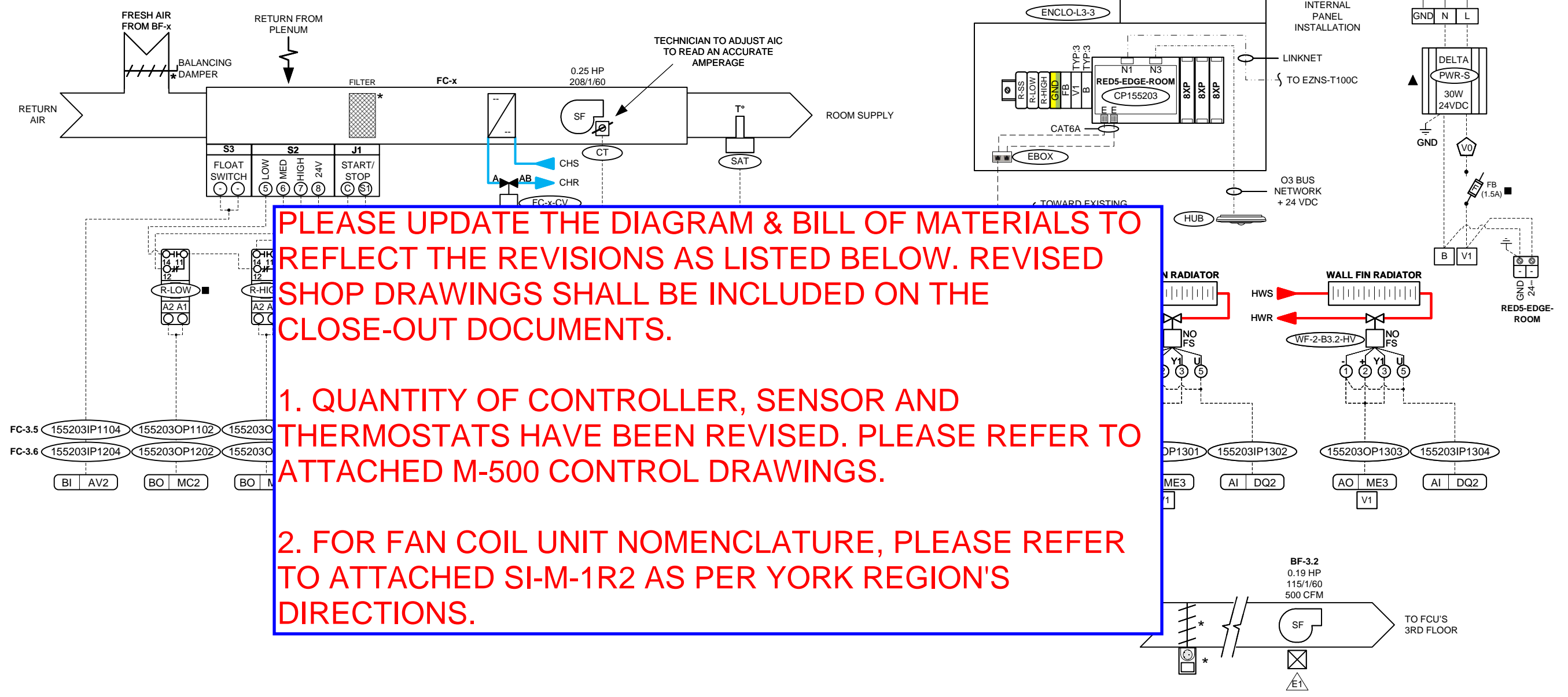
|                       |                 |
|-----------------------|-----------------|
| DESIGNER              | A.YZZOGH        |
| PROJECT MANAGER       | C.SOARES        |
| INTERNAL VERIFICATION | J.ASSELIN SMITH |
| APPROVAL              | 02-25 A.Y.      |
| DESCRIPTION           |                 |
| DATE                  |                 |
| DRAWN BY              |                 |
| REVISION              |                 |
| DATE                  |                 |
| DRAWN BY              |                 |

**Regulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-627

**ROOM CONTROL – FCU, BOOSTER FAN & PERIMETER HEATING – TYPE 4E**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



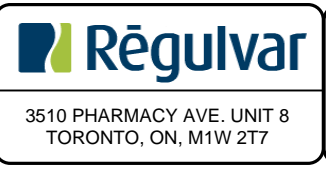
**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

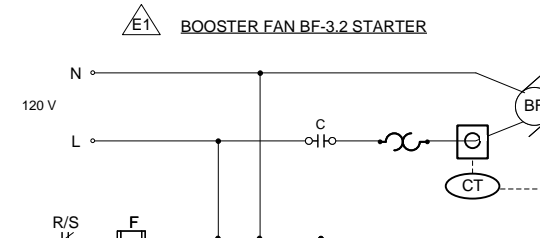


**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-628



**ROOM CONTROL – FCU, BOOSTER FAN & PERIMETER HEATING – TYPE 4E**  
(ELECTRICAL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                          |  |
|-----------------|---|---------------------|---|--------------------------|--|
| TYPE 4E - ENCLO | ■ |                     |   |                          |  |
| TYPE 4E - ENCLO | ■ |                     |   |                          |  |
| TYPE 4E - ENCLO | ■ |                     |   |                          |  |
| TYPE 4E - ENCLO | ■ |                     |   |                          |  |
| TYPE 4E - ENCLO | ■ | CP155203            | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 4E - ENCLO | ■ |                     | 3 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 4E - ENCLO | ■ | EBOX                | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 4E - ENCLO | ■ |                     | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 4E - ENCLO | ■ |                     | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 4E - ENCLO | ■ | R-LOW, R-HIGH, R-SS | 7 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 4E - ENCLO | ■ |                     | 7 | GZT92                    | Relay Base   |
| TYPE 4E         |   | SAT                 | 2 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 4E         |   | RMT                 | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 4E         |   | HUB                 | 1 | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 4E         |   | CT                  | 3 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 4E         |   | FC-x-CV, WF-x-HV    | 4 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

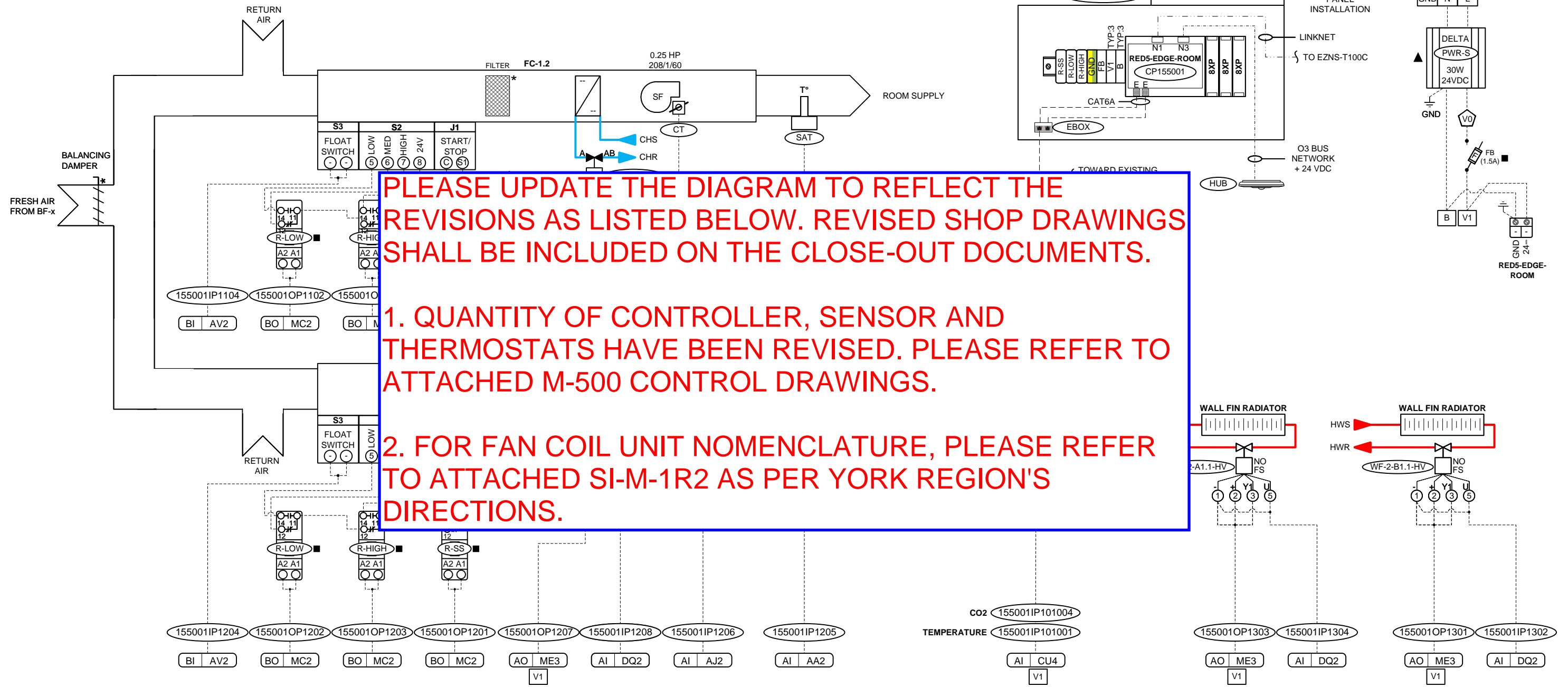
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-629

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 4F**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



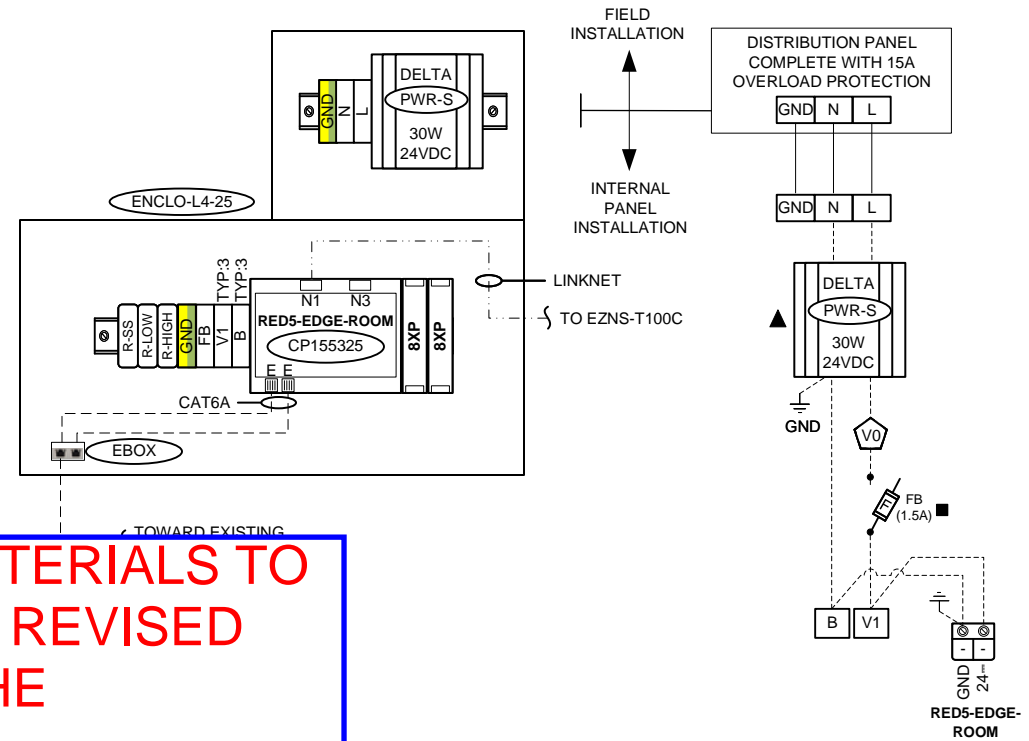
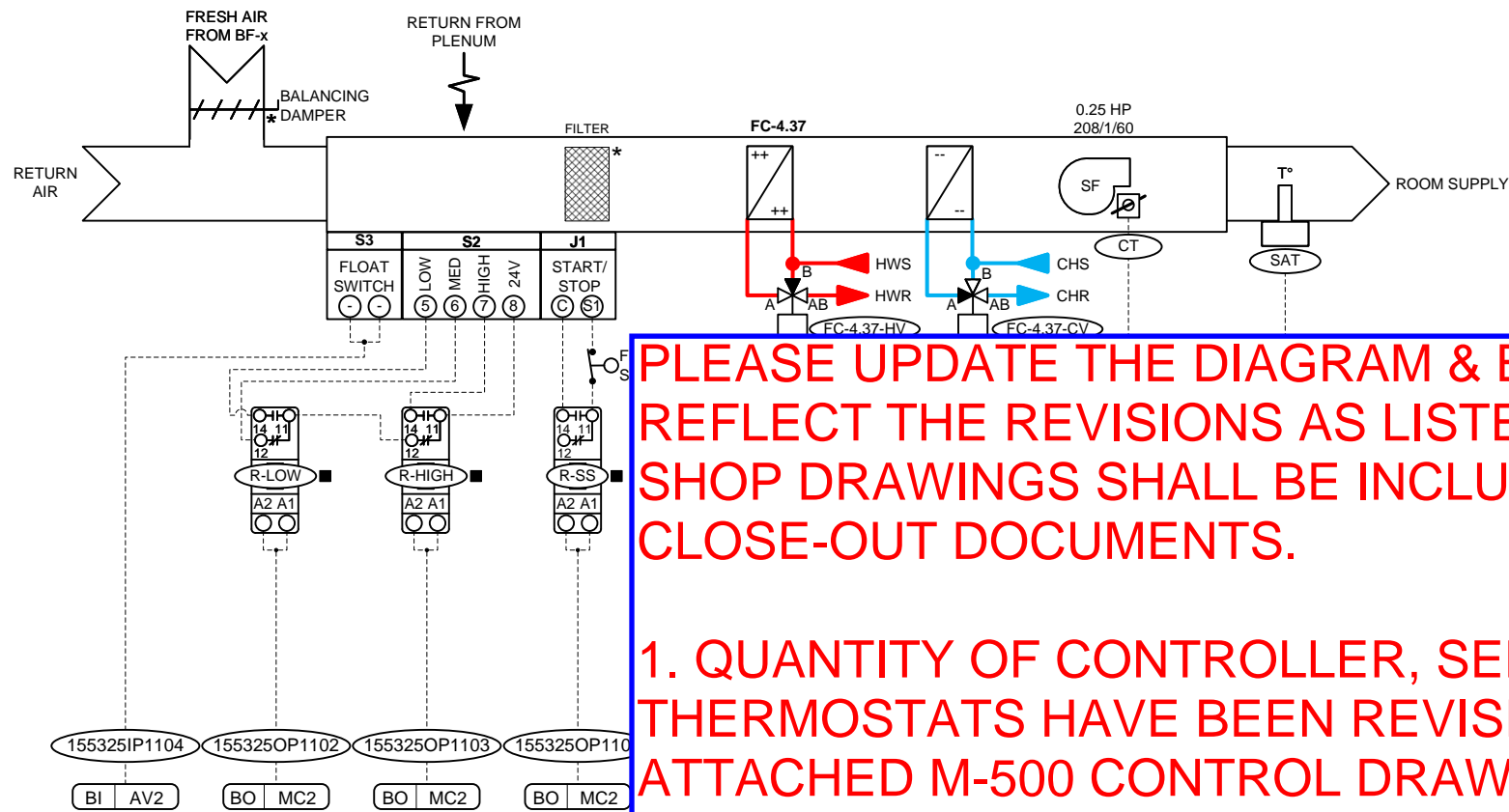
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-630





**ROOM CONTROL – FCU – TYPE 5B**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |   |                          |  |  |
|-----------------|---|---------------------------|---|--------------------------|--|--|
| TYPE 5B - ENCL0 | ■ |                           |   |                          |  |  |
| TYPE 5B - ENCL0 | ■ |                           |   |                          |  |  |
| TYPE 5B - ENCL0 | ■ |                           |   |                          |  |  |
| TYPE 5B - ENCL0 | ■ |                           |   |                          |  |  |
| TYPE 5B - ENCL0 | ■ | CP155325                  | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |  |
| TYPE 5B - ENCL0 | ■ |                           | 2 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 5B - ENCL0 | ■ | EBOX                      | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 5B - ENCL0 | ■ |                           | 2 | 101723                   | CAT6A RJ45 Adapter   |  |
| TYPE 5B - ENCL0 | ■ |                           | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |  |
| TYPE 5B - ENCL0 | ■ | R-LOW, R-HIGH, R-SS       | 3 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 5B - ENCL0 | ■ |                           | 3 | GZT92                    | Relay Base   |  |
| TYPE 5B         |   | SAT                       | 1 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |  |
| TYPE 5B         |   | RMT                       | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 5B         |   | CT                        | 1 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 5B         |   | FC-4.37-CV,<br>FC-4.37-HV | 2 | SEE VALVE LIST           | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

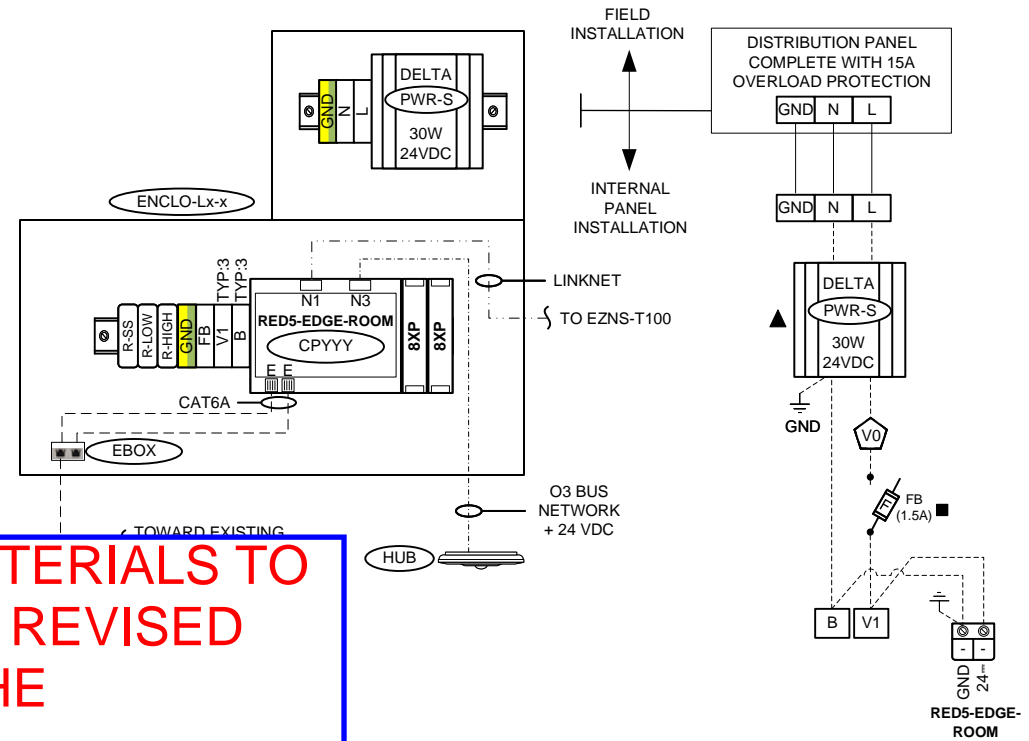
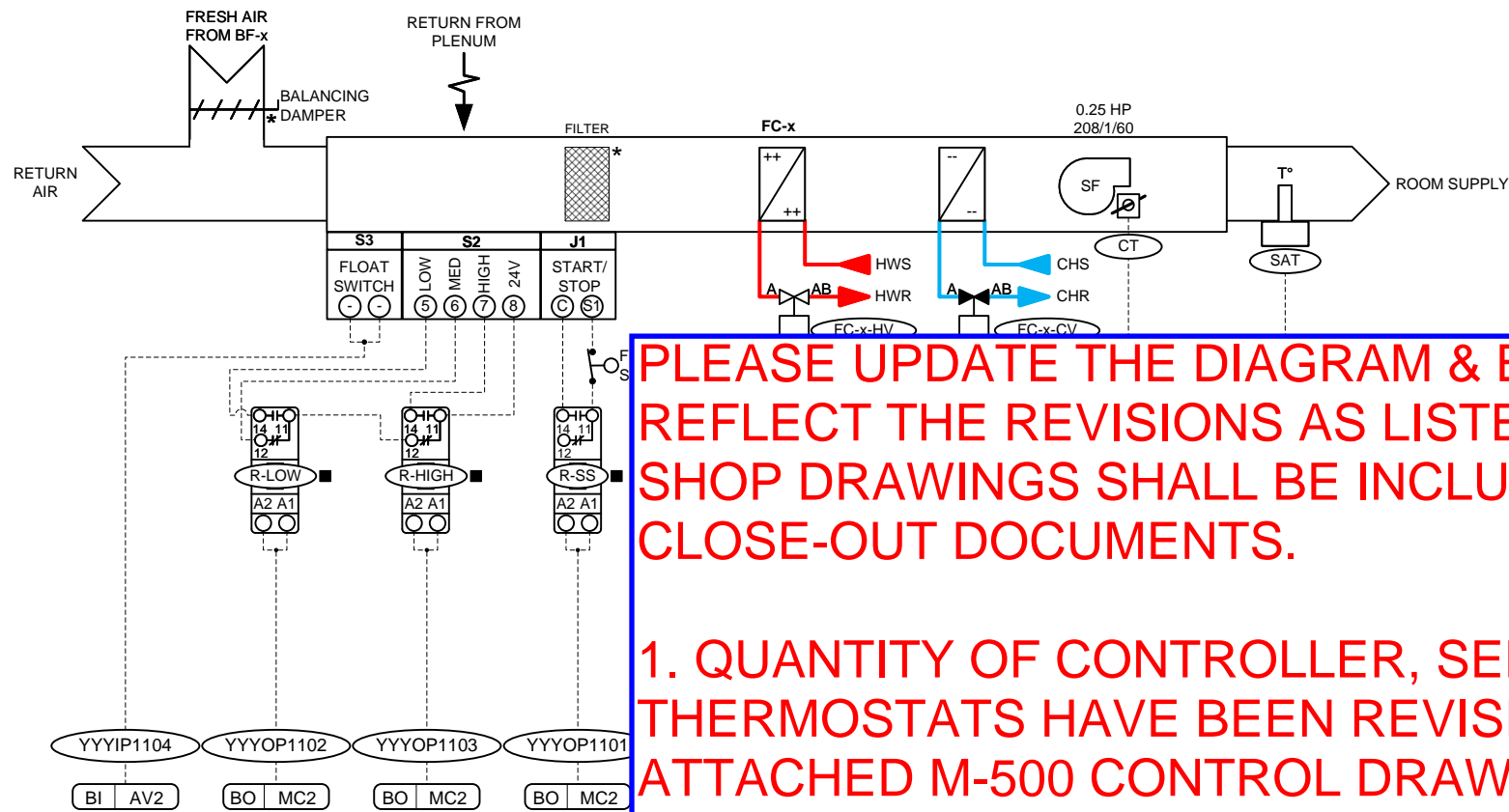
DESIGNER  
 A.YZZOGH  
 PROJECT MANAGER  
 C.SOARES  
 INTERNAL VERIFICATION  
 J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
 B-001771  
 NO: PROJECT  
 2411-00450  
 PAGE:  
 A-633

**ROOM CONTROL - FCU - TYPE 5C**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 2



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |   |                         |  |  |
|-----------------|---|---------------------|---|-------------------------|--|--|
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ |                     |   |                         |  |  |
| TYPE 5C - ENCL0 | ■ | CPYYY               | 2 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |  |
| TYPE 5C - ENCL0 | ■ |                     | 4 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 5C - ENCL0 | ■ | EBOX                | 2 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 5C - ENCL0 | ■ |                     | 4 | 101723                  | CAT6A RJ45 Adapter   |  |
| TYPE 5C - ENCL0 | ■ |                     | 4 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |  |
| TYPE 5C - ENCL0 | ■ | R-LOW, R-HIGH, R-SS | 6 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 5C - ENCL0 | ■ |                     | 6 | GZT92                   | Relay Base   |  |
| TYPE 5C         |   | SAT                 | 2 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |  |
| TYPE 5C         |   | RMT                 | 2 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 5C         |   | HUB                 | 2 | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |  |
| TYPE 5C         |   | CT                  | 2 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 5C         |   | FC-x-CV, FC-x-HV    | 4 | SEE VALVE LIST          | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

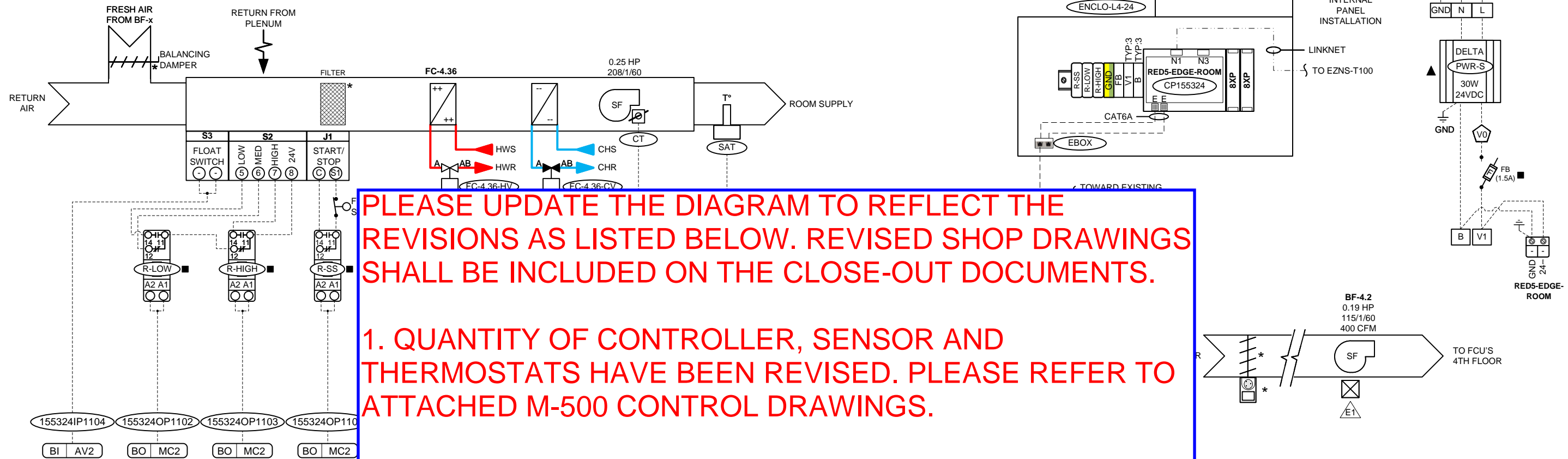
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-634

**ROOM CONTROL – FCU & BOOSTER FAN – TYPE 5D**  
 (CONTROL DIAGRAM)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

- 155324IP1104 BI AV2
- 155324OP1102 BO MC2
- 155324OP1103 BO MC2
- 155324OP1104 BO MC2

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

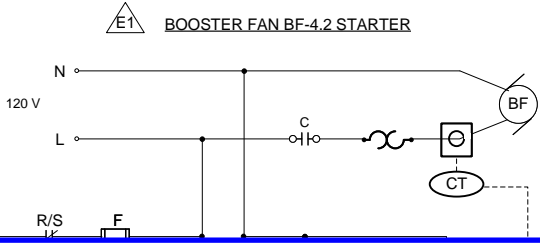
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-635

**ROOM CONTROL – FCU & BOOSTER FAN – TYPE 5D**  
 (ELECTRICAL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |   |                         |  |
|-----------------|---|---------------------------|---|-------------------------|--|
| TYPE 5D - ENCLO | ■ |                           |   |                         |  |
| TYPE 5D - ENCLO | ■ |                           |   |                         |  |
| TYPE 5D - ENCLO | ■ |                           |   |                         |  |
| TYPE 5D - ENCLO | ■ |                           |   |                         |  |
| TYPE 5D - ENCLO | ■ | CP155324                  | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |
| TYPE 5D - ENCLO | ■ |                           | 2 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 5D - ENCLO | ■ | EBOX                      | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 5D - ENCLO | ■ |                           | 2 | 101723                  | CAT6A RJ45 Adapter   |
| TYPE 5D - ENCLO | ■ |                           | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |
| TYPE 5D - ENCLO | ■ | R-LOW, R-HIGH, R-SS       | 4 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 5D - ENCLO | ■ |                           | 4 | GZT92                   | Relay Base   |
| TYPE 5D         |   | SAT                       | 1 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |
| TYPE 5D         |   | RMT                       | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 5D         |   | CT                        | 2 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 5D         |   | FC-4.36-CV,<br>FC-4.36-HV | 2 | SEE VALVE LIST          | See Valve List   |

|      |          |      |          |     |             |       |          |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

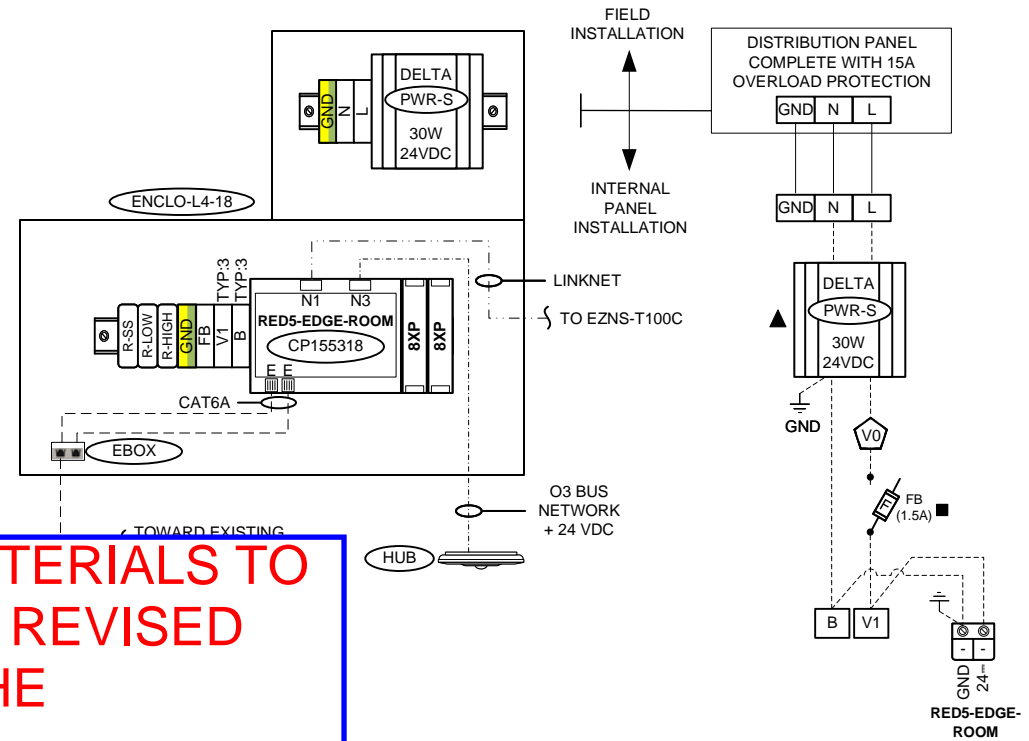
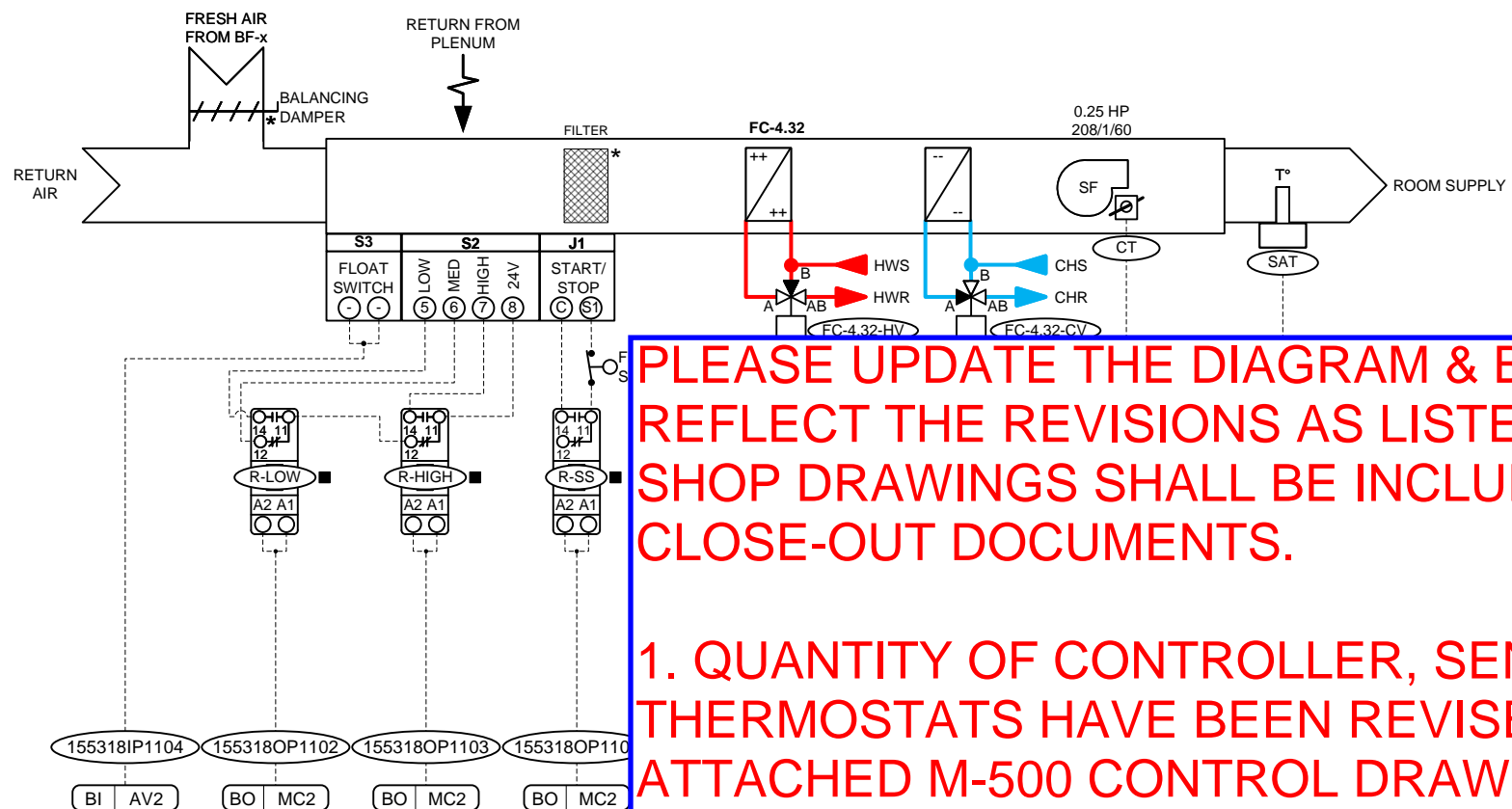
**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-636

**Régulvar**  
 3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7



**ROOM CONTROL – FCU – TYPE 5E**  
(CONTROL DIAGRAM & BILL OF MATERIAL)  
TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |   |                          |  |
|-----------------|---|---------------------------|---|--------------------------|--|
| TYPE 5E - ENCLO | ■ |                           |   |                          |  |
| TYPE 5E - ENCLO | ■ |                           |   |                          |  |
| TYPE 5E - ENCLO | ■ |                           |   |                          |  |
| TYPE 5E - ENCLO | ■ |                           |   |                          |  |
| TYPE 5E - ENCLO | ■ | CP155318                  | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 5E - ENCLO | ■ |                           | 2 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 5E - ENCLO | ■ | EBOX                      | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 5E - ENCLO | ■ |                           | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 5E - ENCLO | ■ |                           | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 5E - ENCLO | ■ | R-LOW, R-HIGH, R-SS       | 3 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 5E - ENCLO | ■ |                           | 3 | GZT92                    | Relay Base   |
| TYPE 5E         |   | SAT                       | 1 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 5E         |   | RMT                       | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 5E         |   | HUB                       | 1 | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 5E         |   | CT                        | 1 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 5E         |   | FC-4.32-CV,<br>FC-4.32-HV | 2 | SEE VALVE LIST           | See Valve List   |

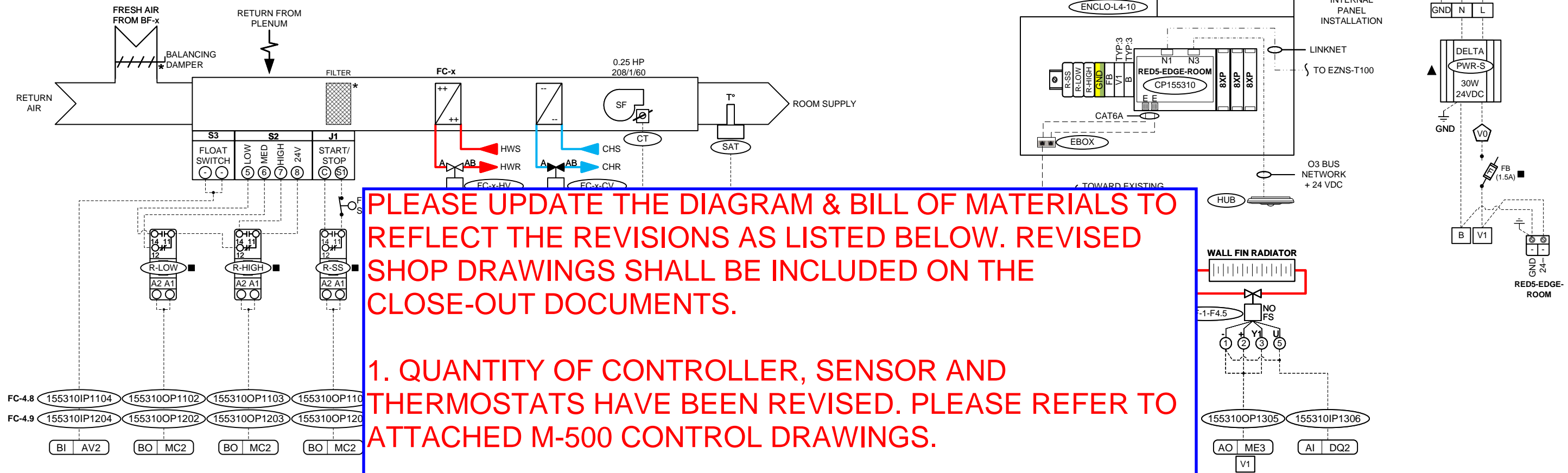
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-637

**ROOM CONTROL - FCU - TYPE 6A**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                             |   |                         |  |  |
|-----------------|---|-----------------------------|---|-------------------------|--|--|
| TYPE 6A - ENCL0 | ■ |                             |   |                         |  |  |
| TYPE 6A - ENCL0 | ■ |                             |   |                         |  |  |
| TYPE 6A - ENCL0 | ■ |                             |   |                         |  |  |
| TYPE 6A - ENCL0 | ■ |                             |   |                         |  |  |
| TYPE 6A - ENCL0 | ■ | CP155310                    | 1 | RED5-EDGE-ROOM          | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)         |  |
| TYPE 6A - ENCL0 | ■ |                             | 3 | RED5-MODULE-8XP         | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 6A - ENCL0 | ■ | EBOX                        | 1 | 101912WT                | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 6A - ENCL0 | ■ |                             | 2 | 101723                  | CAT6A RJ45 Adapter   |  |
| TYPE 6A - ENCL0 | ■ |                             | 2 | 100752OR                | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange                                   |  |
| TYPE 6A - ENCL0 | ■ | R-LOW, R-HIGH, R-SS         | 6 | G2RL1HDC12              | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 6A - ENCL0 | ■ |                             | 6 | GZT92                   | Relay Base   |  |
| TYPE 6A         |   | SAT                         | 2 | 10K-AN-D8               | Duct Temperature 8", -50 to 150°C, 10K (Type3)                                       |  |
| TYPE 6A         |   | RMT                         | 1 | EZNS-T100-NB-SM-015-WWG | enteliZONE BACNet Network Room Temperature Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 6A         |   | HUB                         | 1 | O3-HUB                  | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                        |  |
| TYPE 6A         |   | CT                          | 2 | CS-650-10               | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 6A         |   | FC-x-CV, FC-x-HV, WF-1-F4.5 | 5 | SEE VALVE LIST          | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

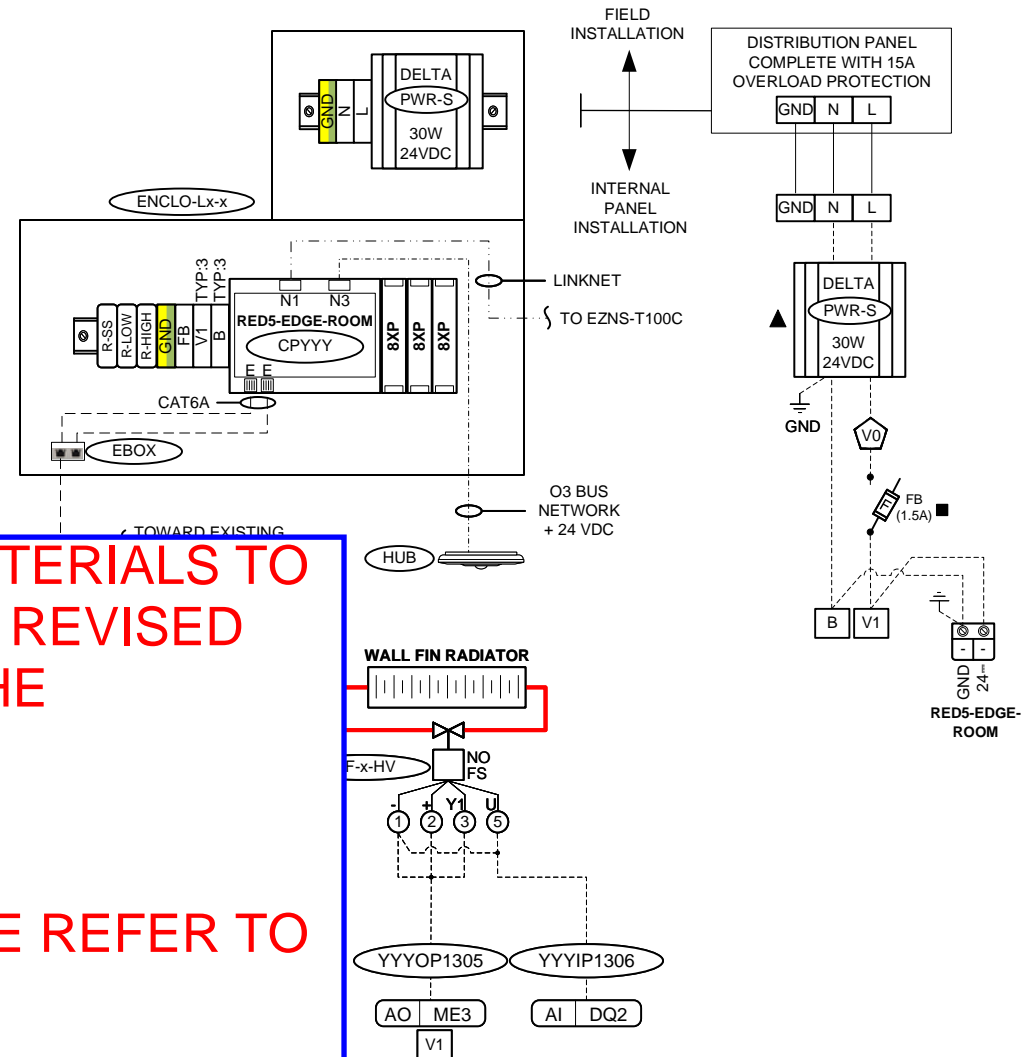
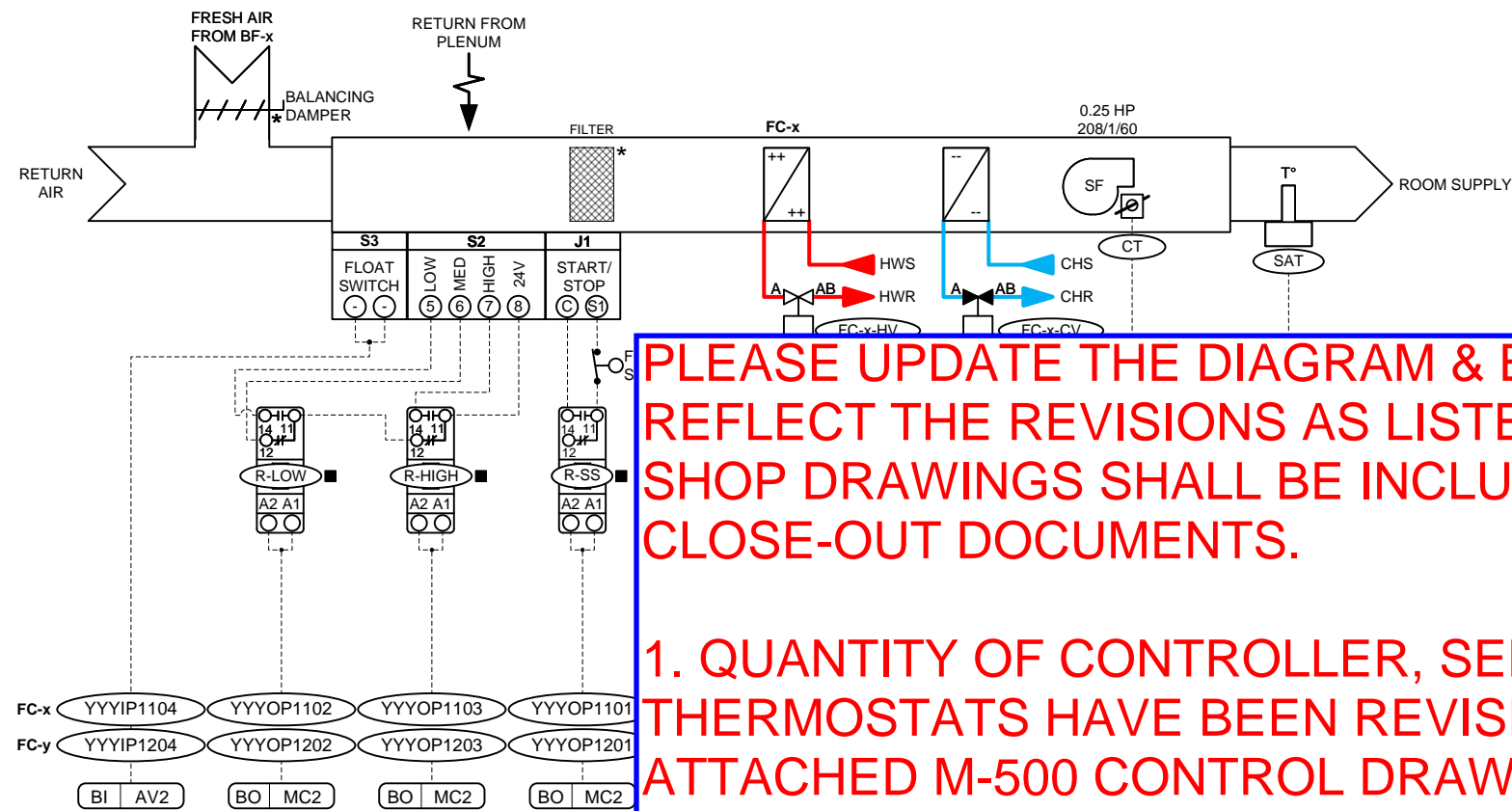
NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-638

**Régulvar**  
 3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

FOURTH FLOOR

|             |          |
|-------------|----------|
| ENCLO-L4-4  | CP155304 |
| ENCLO-L4-7  | CP155307 |
| ENCLO-L4-13 | CP155313 |
| ENCLO-L4-15 | CP155315 |

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 6B**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 4



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |    |                          |  |  |
|-----------------|---|---------------------------|----|--------------------------|--|--|
| TYPE 6B - ENCLO | ■ |                           |    |                          |  |  |
| TYPE 6B - ENCLO | ■ |                           |    |                          |  |  |
| TYPE 6B - ENCLO | ■ |                           |    |                          |  |  |
| TYPE 6B - ENCLO | ■ |                           |    |                          |  |  |
| TYPE 6B - ENCLO | ■ | CPYYY                     | 4  | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |  |
| TYPE 6B - ENCLO | ■ |                           | 12 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 6B - ENCLO | ■ | EBOX                      | 4  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 6B - ENCLO | ■ |                           | 8  | 101723                   | CAT6A RJ45 Adapter   |  |
| TYPE 6B - ENCLO | ■ |                           | 8  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |  |
| TYPE 6B - ENCLO | ■ | R-LOW, R-HIGH, R-SS       | 24 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 6B - ENCLO | ■ |                           | 24 | GZT92                    | Relay Base   |  |
| TYPE 6B         |   | SAT                       | 8  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |  |
| TYPE 6B         |   | RMT                       | 4  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |  |
| TYPE 6B         |   | HUB                       | 4  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |  |
| TYPE 6B         |   | CT                        | 8  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 6B         |   | FC-x-CV, FC-x-HV, WF-x-HV | 20 | SEE VALVE LIST           | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

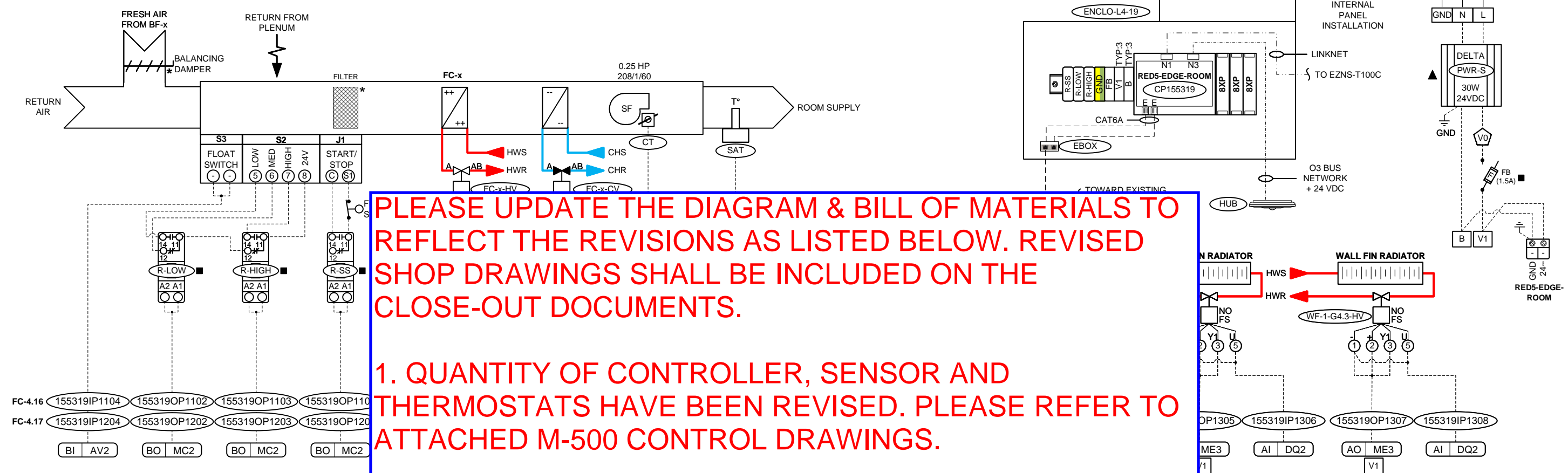
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-639

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 6C**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |   |                          |  |
|-----------------|---|---------------------------|---|--------------------------|--|
| TYPE 6C - ENCL0 | ■ |                           |   |                          |  |
| TYPE 6C - ENCL0 | ■ |                           |   |                          |  |
| TYPE 6C - ENCL0 | ■ |                           |   |                          |  |
| TYPE 6C - ENCL0 | ■ |                           |   |                          |  |
| TYPE 6C - ENCL0 | ■ | CP155319                  | 1 | RED5-EDGE-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1) & O3-HUB (NET3), 24Vdc (7W)               |
| TYPE 6C - ENCL0 | ■ |                           | 3 | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |
| TYPE 6C - ENCL0 | ■ | EBOX                      | 1 | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 6C - ENCL0 | ■ |                           | 2 | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 6C - ENCL0 | ■ |                           | 2 | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 6C - ENCL0 | ■ | R-LOW, R-HIGH, R-SS       | 6 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 6C - ENCL0 | ■ |                           | 6 | GZT92                    | Relay Base   |
| TYPE 6C         |   | SAT                       | 2 | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 6C         |   | RMT                       | 1 | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 6C         |   | HUB                       | 1 | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 6C         |   | CT                        | 2 | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 6C         |   | FC-x-CV, FC-x-HV, WF-x-HV | 6 | SEE VALVE LIST           | See Valve List   |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

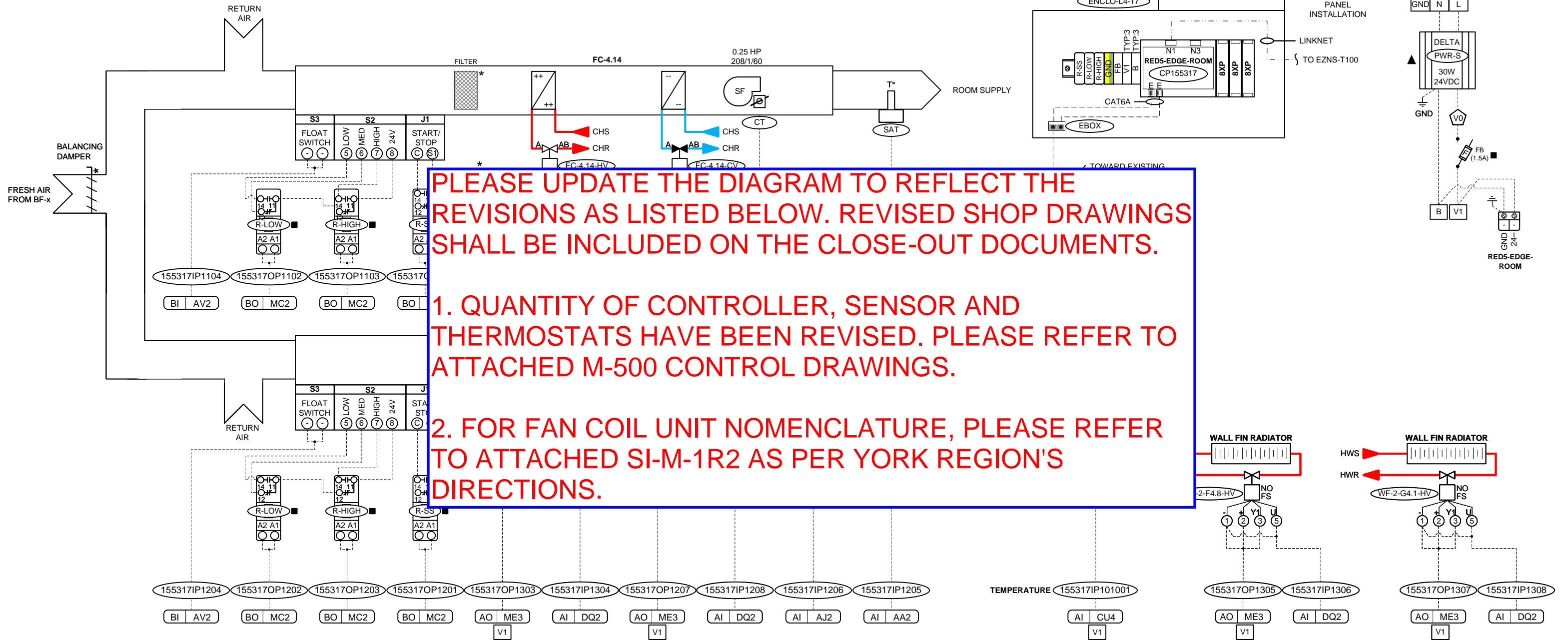
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-640

**Régulvar**  
 3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 6D**  
 (CONTROL DIAGRAM)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
 A.YZZOGH  
 PROJECT MANAGER  
 C.SOARES  
 INTERNAL VERIFICATION  
 J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-641

**ROOM CONTROL – FCU & PERIMETER HEATING – TYPE 6D**  
 (BILL OF MATERIAL)  
 TYPICAL OF 1

| SYSTEM          |   |      |  |
|-----------------|---|------|--|
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D - ENCLO | ■ | R-LC |  |
| TYPE 6D - ENCLO | ■ |      |  |
| TYPE 6D         |   |      |  |
| TYPE 6D         |   |      |  |
| TYPE 6D         |   |      |  |
| TYPE 6D         |   | FC   |  |

PLEASE UPDATE BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

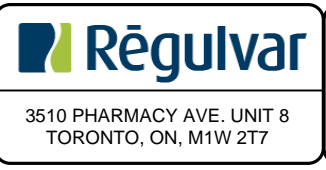
2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

3), 24Vdc (7W)

mount 24Vac/dc Overlay 015

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

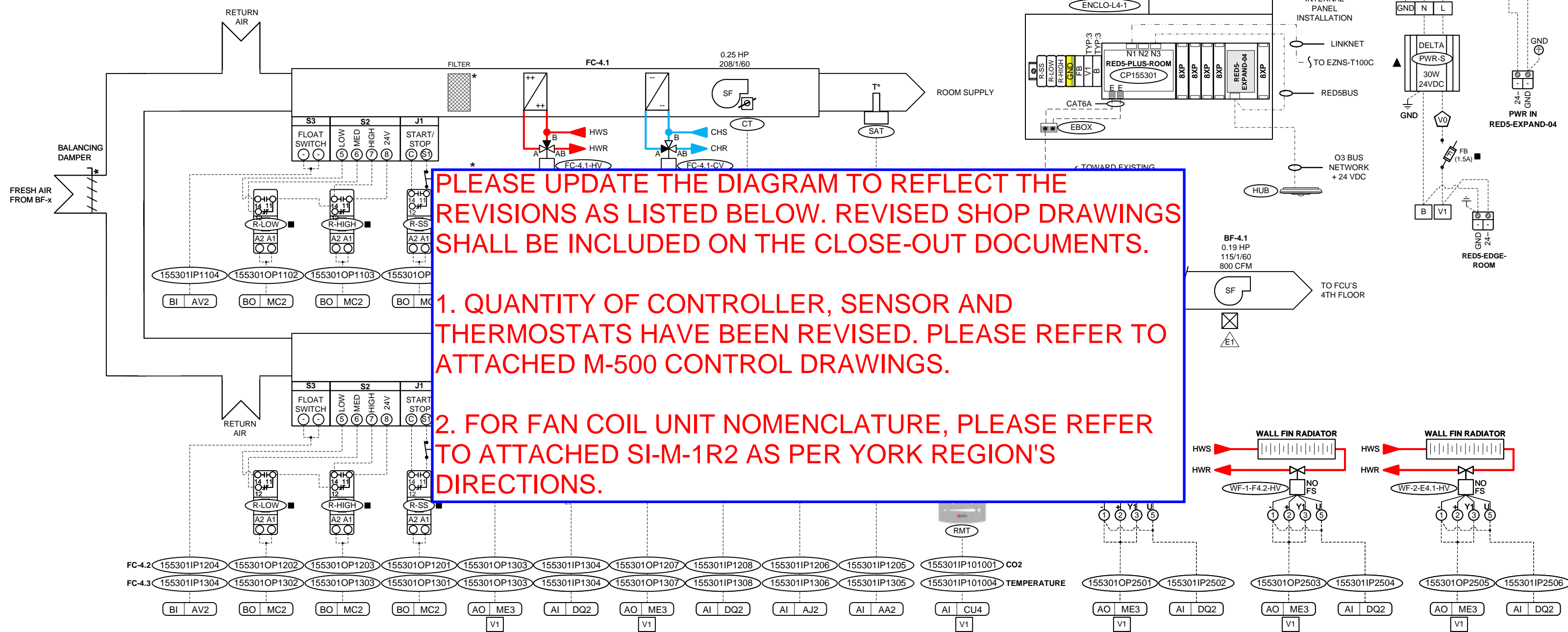
DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING  
B-001771  
 NO: PROJECT  
2411-00450  
 PAGE:  
A-642

**ROOM CONTROL – FCU, BF & PERIMETER HEATING – TYPE 7A**  
(CONTROL DIAGRAM)  
TYPICAL OF 1



| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

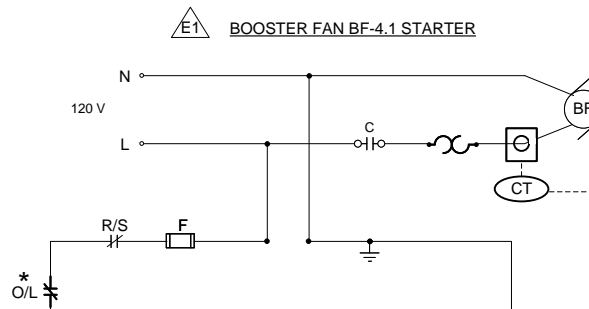
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING B-001771  
NO: PROJECT 2411-00450  
PAGE:  
A-643

**ROOM CONTROL – FCU, BF & PERIMETER HEATING – TYPE 7A**  
 (ELECTRICAL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                           |    |                          |  |
|-----------------|---|---------------------------|----|--------------------------|--|
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ |                           |    |                          |  |
| TYPE 7A - ENCL0 | ■ | EBOX                      | 1  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |
| TYPE 7A - ENCL0 | ■ |                           | 2  | 101723                   | CAT6A RJ45 Adapter   |
| TYPE 7A - ENCL0 | ■ |                           | 2  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |
| TYPE 7A - ENCL0 | ■ | R-LOW, R-HIGH, R-SS       | 10 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |
| TYPE 7A - ENCL0 | ■ |                           | 10 | GZT92                    | Relay Base   |
| TYPE 7A         |   | SAT                       | 3  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |
| TYPE 7A         |   | RMT                       | 1  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015 |
| TYPE 7A         |   | HUB                       | 1  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                              |
| TYPE 7A         |   | CT                        | 4  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |
| TYPE 7A         |   | FC-x-CV, FC-x-HV, WF-x-HV | 9  | SEE VALVE LIST           | See Valve List   |

& O3-HUB (NET3), 24Vdc (5W)

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

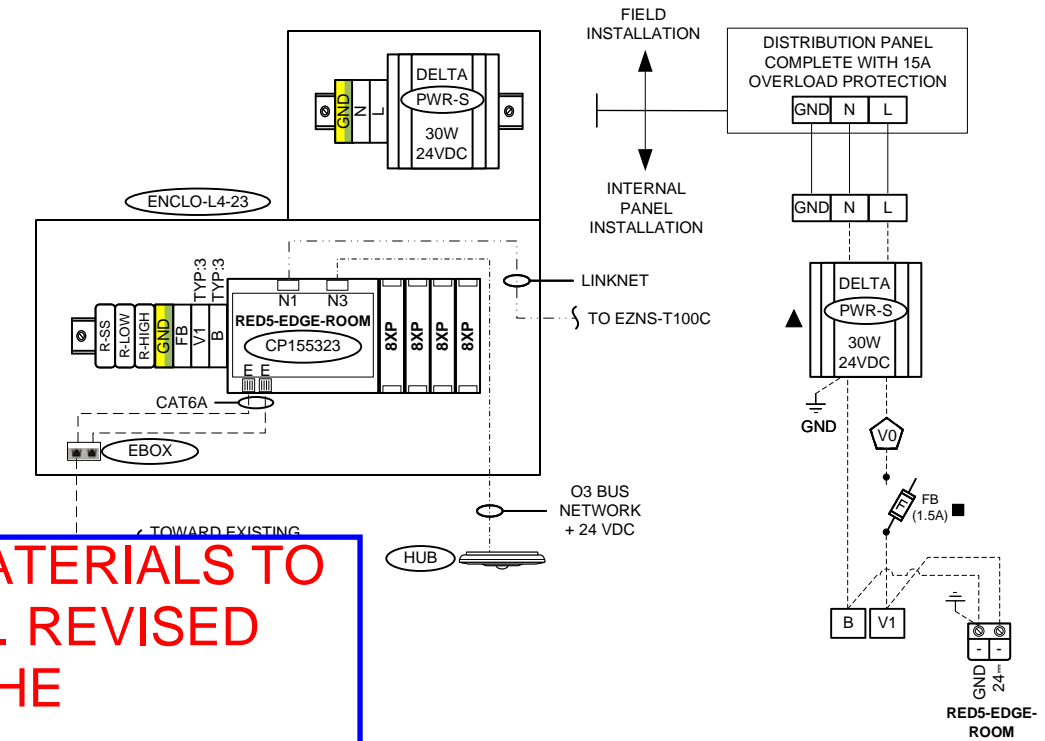
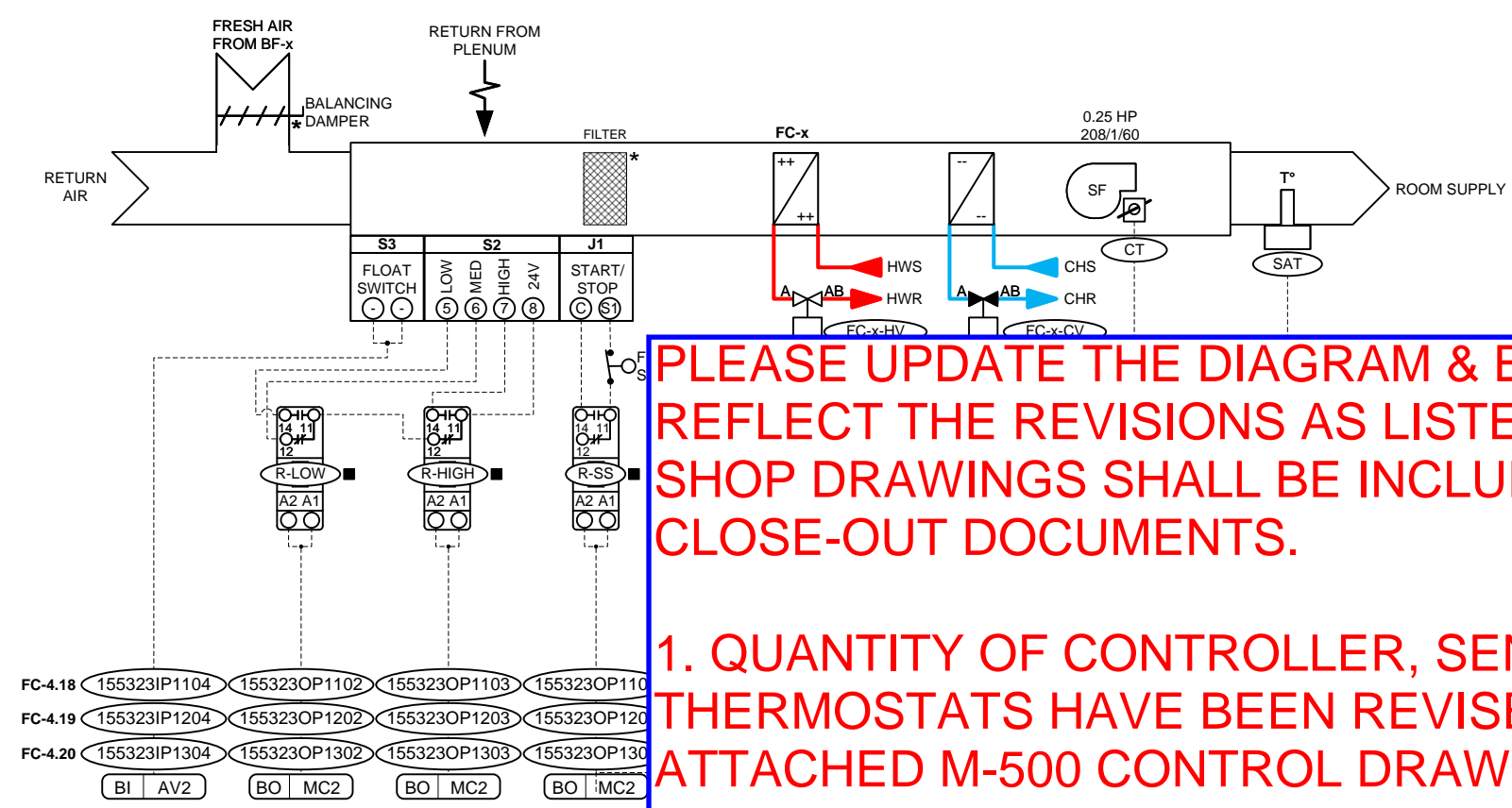


**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-644



**ROOM CONTROL - FCU - TYPE 7B**  
 (CONTROL DIAGRAM & BILL OF MATERIAL)  
 TYPICAL OF 1



**PLEASE UPDATE THE DIAGRAM & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM          |   |                     |    |                          |  |  |
|-----------------|---|---------------------|----|--------------------------|--|--|
| TYPE 7B - ENCL0 | ■ |                     |    |                          |  |  |
| TYPE 7B - ENCL0 | ■ |                     |    |                          |  |  |
| TYPE 7B - ENCL0 | ■ |                     |    |                          |  |  |
| TYPE 7B - ENCL0 | ■ |                     |    |                          |  |  |
| TYPE 7B - ENCL0 | ■ | CP155323            | 1  | RED5-PLUS-ROOM           | BACnet Controller, c/a (2)Ethernet, MS/TP (NET1), LINKnet (NET2) & O3-HUB (NET3), 24Vdc (5W) |  |
| TYPE 7B - ENCL0 | ■ |                     | 4  | RED5-MODULE-8XP          | I/O Module, (8)UI/O, 24Vdc (4W)  |  |
| TYPE 7B - ENCL0 | ■ | EBOX                | 1  | 101912WT                 | CAT5E 2port Surface Mount Box White w/o jack   |  |
| TYPE 7B - ENCL0 | ■ |                     | 2  | 101723                   | CAT6A RJ45 Adapter   |  |
| TYPE 7B - ENCL0 | ■ |                     | 2  | 100752OR                 | 2Ft Cat6A UTP Ethernet Network Booted Cable Orange   |  |
| TYPE 7B - ENCL0 | ■ | R-LOW, R-HIGH, R-SS | 10 | G2RL1HDC12               | SPDT relay, 10A to 250Vac/24Vdc, 12Vdc coil  |  |
| TYPE 7B - ENCL0 | ■ |                     | 10 | GZT92                    | Relay Base   |  |
| TYPE 7B         |   | SAT                 | 3  | 10K-AN-D8                | Duct Temperature 8", -50 to 150°C, 10K (Type3)   |  |
| TYPE 7B         |   | RMT                 | 1  | EZNS-T100C-NB-SC-015-WWG | enteliZONE BACNet Network Room Temperature & CO2 Sensor surface mount 24Vac/dc Overlay 015   |  |
| TYPE 7B         |   | HUB                 | 1  | O3-HUB                   | Room Temperature, Humidity, Light & Motion BACnet, 24Vdc (1W)                                |  |
| TYPE 7B         |   | CT                  | 4  | CS-650-10                | Current (Solid), 0 to 10A, 0-5Vdc  |  |
| TYPE 7B         |   | FC-x-CV, FC-x-HV    | 6  | SEE VALVE LIST           | See Valve List   |  |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |


DESIGNER  
A.YZZOGH  
 PROJECT MANAGER  
C.SOARES  
 INTERNAL VERIFICATION  
J.ASSELIN SMITH

3510 PHARMACY AVE. UNIT 8  
 TORONTO, ON, M1W 2T7

**PROJECT**  
**YRAB**  
 PHASE D RENOVATION

NO: BUILDING B-001771  
 NO: PROJECT 2411-00450  
 PAGE:  
 A-645

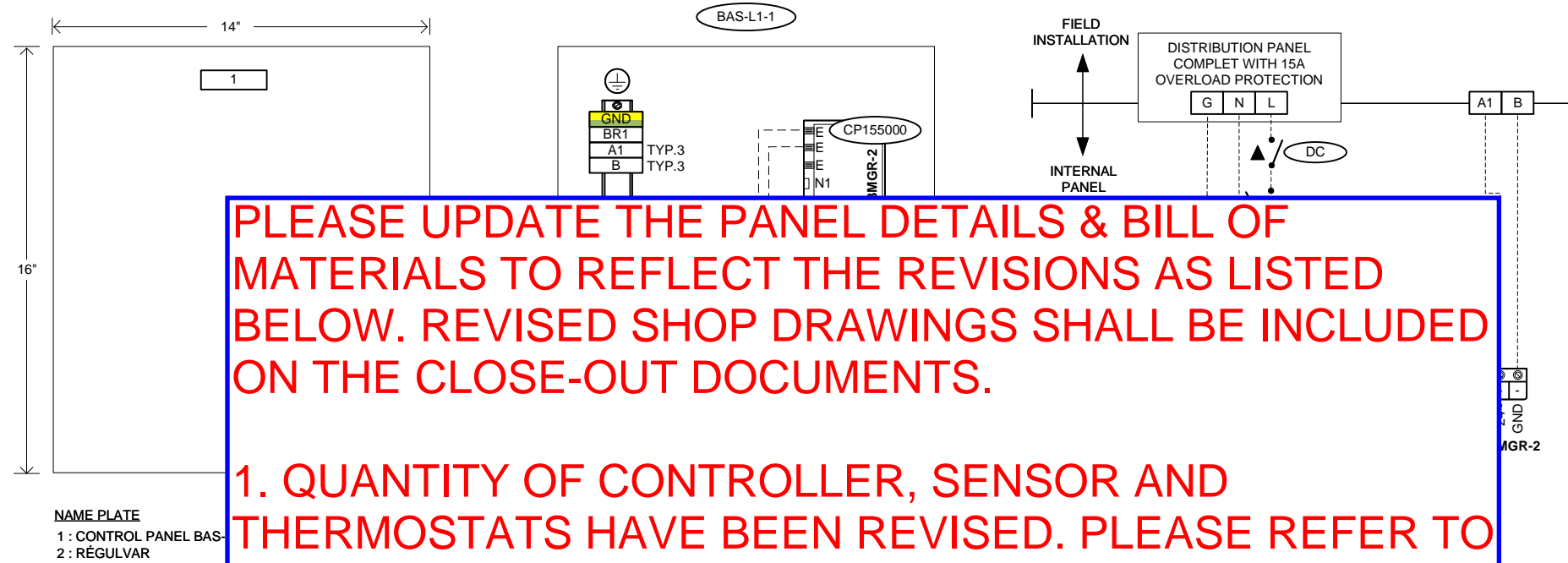
# PANEL DETAILS

|      |          |      |          |     |             |      |          |  |   |   |                           |
|------|----------|------|----------|-----|-------------|------|----------|--|---|---|---------------------------|
| -    | -        | -    | -        | -   | -           | -    | -        | DESIGNER<br>A.YZZOGH                     |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771  |
| -    | -        | -    | -        | -   | -           | -    | -        | PROJECT MANAGER<br>C.SOARES              |   |   | NO: PROJECT<br>2411-00450 |
| -    | -        | -    | -        | -   | -           | -    | -        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7                                     |   | PAGE:                     |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE | DRAWN BY |  |   |   | A-700                     |

**BAS-L1-1**  
(PANEL DETAILS & BILL OF MATERIAL)

**CSA CERTIFIED INSTALLATION**  
ALL COMPONENTS IN THE PANEL  
( OTHER THAN DELTA ) MUST BE APPROVED CSA

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**PLEASE UPDATE THE PANEL DETAILS & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM   |   |      |   |                        |   |              |
|----------|---|------|---|------------------------|---|--------------|
| BAS-L1-1 | ■ | B    |   |                        |   |              |
| BAS-L1-1 | ■ | CP   |   |                        |   | 24Vac (12VA) |
| BAS-L1-1 | ■ |      |   |                        |   |              |
| BAS-L1-1 | ■ |      |   |                        |   |              |
| BAS-L1-1 | ■ | BR   | 1 | P1MB1PC04              | Miniature circuit breaker 4A                  |              |
| BAS-L1-1 | ■ | XFO  | 1 | DC9912EB               | Transformer 120/24V,100VA,enclosed type.      |              |
| BAS-L1-1 | ■ |      | 1 | BOI2020                | case 2020                                     |              |
| BAS-L1-1 | ■ | DC   | 1 | 1101CW                 | 120 volts electric switch INDUSTRIAL          |              |
| BAS-L1-1 | ■ |      | 1 | 20C5                   | Switch Plate for case 2020                    |              |
| BAS-L1-1 | ■ |      | 1 | METAL-SWITCH-LVR-GUARD | METAL SWITCH LVR GUARD                        |              |
| BAS-L1-1 | ■ | EBOX | 1 | 101912WT               | EBOX 2 PORT SURFACE MOUNT WHITE RJ45 BOX ONLY |              |
| BAS-L1-1 | ■ |      | 2 | 101723                 | CAT6A RJ45 Adapter                            |              |
| BAS-L1-1 | ■ |      | 2 | 100753OR               | PATCH CABLE 3 FEET CAT6A                      |              |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



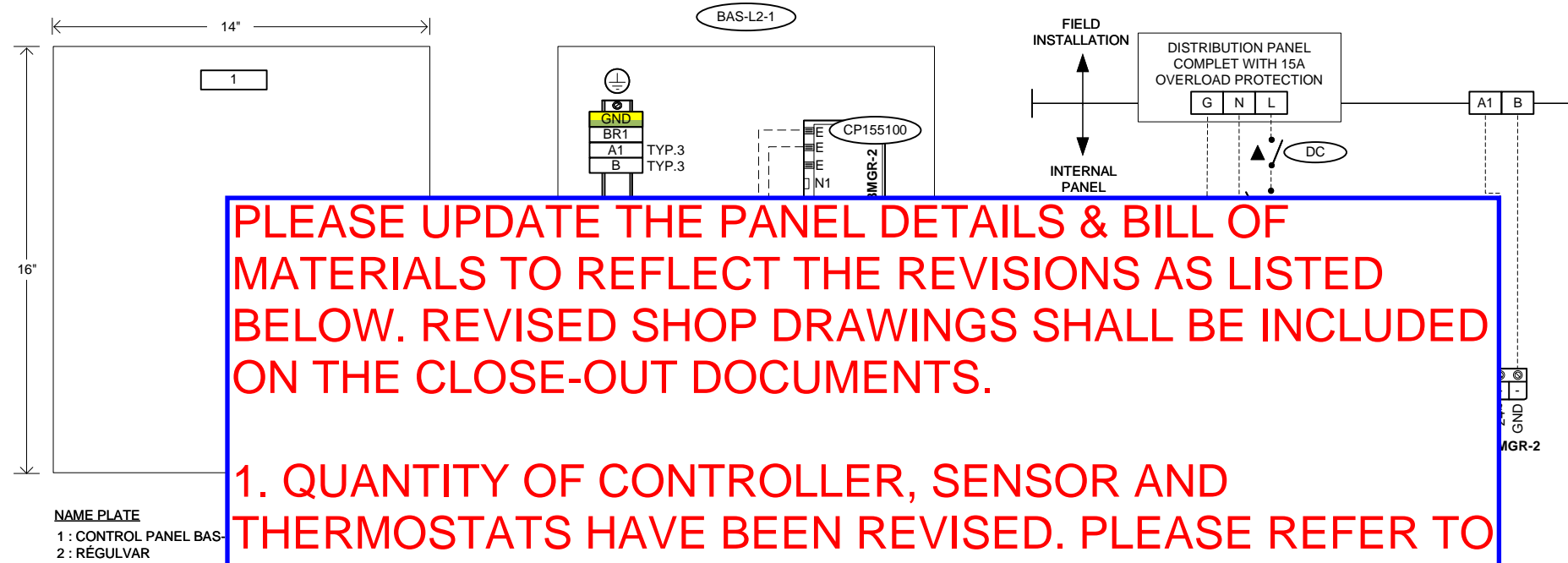
**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-701

**BAS-L2-1**  
(PANEL DETAILS & BILL OF MATERIAL)

**CSA CERTIFIED INSTALLATION**  
ALL COMPONENTS IN THE PANEL  
( OTHER THAN DELTA ) MUST BE APPROVED CSA

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**PLEASE UPDATE THE PANEL DETAILS & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

| SYSTEM   |   |      |   |                        |   |              |
|----------|---|------|---|------------------------|---|--------------|
| BAS-L2-1 | ■ | B    |   |                        |   |              |
| BAS-L2-1 | ■ | CP   |   |                        |   | 24Vac (12VA) |
| BAS-L2-1 | ■ |      |   |                        |   |              |
| BAS-L2-1 | ■ |      |   |                        |   |              |
| BAS-L2-1 | ■ | BR   | 1 | P1MB1PC04              | Miniature circuit breaker 4A                  |              |
| BAS-L2-1 | ■ | XFO  | 1 | DC9912EB               | Transformer 120/24V,100VA,enclosed type.      |              |
| BAS-L2-1 | ■ |      | 1 | BOI2020                | case 2020                                     |              |
| BAS-L2-1 | ■ | DC   | 1 | 1101CW                 | 120 volts electric switch INDUSTRIAL          |              |
| BAS-L2-1 | ■ |      | 1 | 20C5                   | Switch Plate for case 2020                    |              |
| BAS-L2-1 | ■ |      | 1 | METAL-SWITCH-LVR-GUARD | METAL SWITCH LVR GUARD                        |              |
| BAS-L2-1 | ■ | EBOX | 1 | 101912WT               | EBOX 2 PORT SURFACE MOUNT WHITE RJ45 BOX ONLY |              |
| BAS-L2-1 | ■ |      | 2 | 101723                 | CAT6A RJ45 Adapter                            |              |
| BAS-L2-1 | ■ |      | 2 | 100753OR               | PATCH CABLE 3 FEET CAT6A                      |              |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



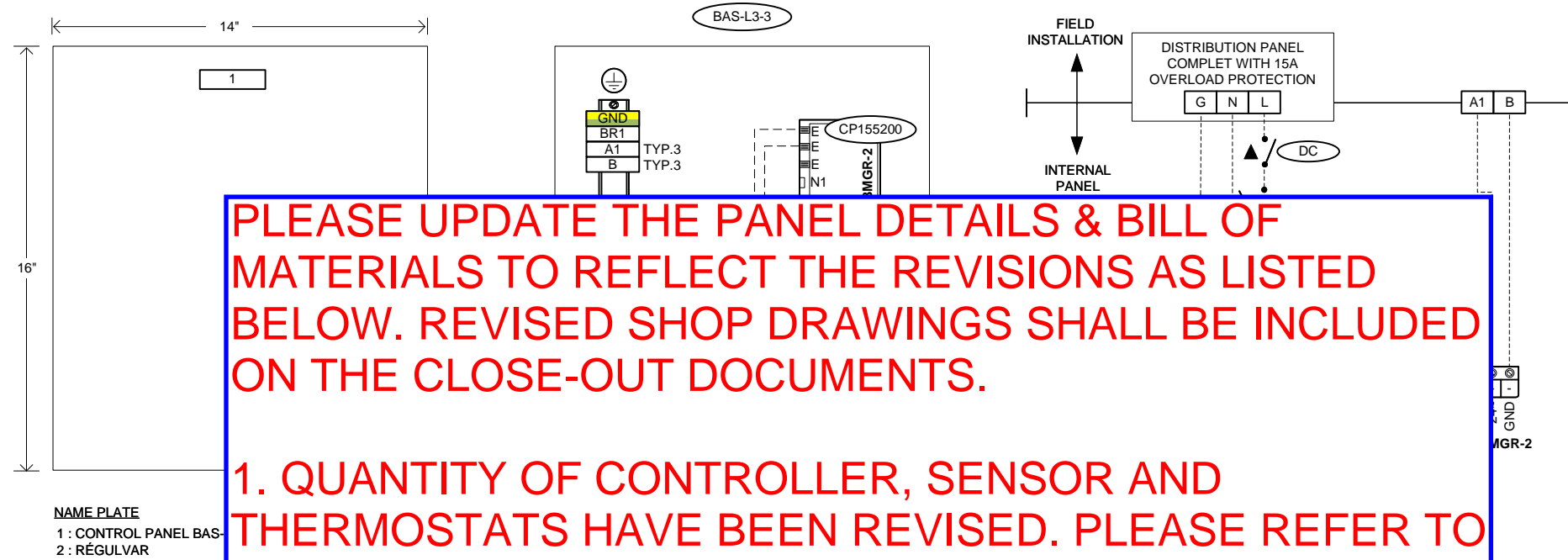
**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-702

**BAS-L3-3**  
(PANEL DETAILS & BILL OF MATERIAL)

**CSA CERTIFIED INSTALLATION**  
ALL COMPONENTS IN THE PANEL  
( OTHER THAN DELTA ) MUST BE APPROVED CSA

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**PLEASE UPDATE THE PANEL DETAILS & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

NAME PLATE  
1 : CONTROL PANEL BAS  
2 : RÉGULVAR

| SYSTEM   |   |      |   |                        |   |              |
|----------|---|------|---|------------------------|---|--------------|
| BAS-L3-3 | ■ | B    |   |                        |   |              |
| BAS-L3-3 | ■ | CP   |   |                        |   | 24Vac (12VA) |
| BAS-L3-3 | ■ |      |   |                        |   |              |
| BAS-L3-3 | ■ |      |   |                        |   |              |
| BAS-L3-3 | ■ | BR   | 1 | P1MB1PC04              | Miniature circuit breaker 4A                  |              |
| BAS-L3-3 | ■ | XFO  | 1 | DC9912EB               | Transformer 120/24V,100VA,enclosed type.      |              |
| BAS-L3-3 | ■ |      | 1 | BOI2020                | case 2020                                     |              |
| BAS-L3-3 | ■ | DC   | 1 | 1101CW                 | 120 volts electric switch INDUSTRIAL          |              |
| BAS-L3-3 | ■ |      | 1 | 20C5                   | Switch Plate for case 2020                    |              |
| BAS-L3-3 | ■ |      | 1 | METAL-SWITCH-LVR-GUARD | METAL SWITCH LVR GUARD                        |              |
| BAS-L3-3 | ■ | EBOX | 1 | 101912WT               | EBOX 2 PORT SURFACE MOUNT WHITE RJ45 BOX ONLY |              |
| BAS-L3-3 | ■ |      | 2 | 101723                 | CAT6A RJ45 Adapter                            |              |
| BAS-L3-3 | ■ |      | 2 | 100753OR               | PATCH CABLE 3 FEET CAT6A                      |              |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

**Régulvar**  
3510 PHARMACY AVE. UNIT 8  
TORONTO, ON, M1W 2T7

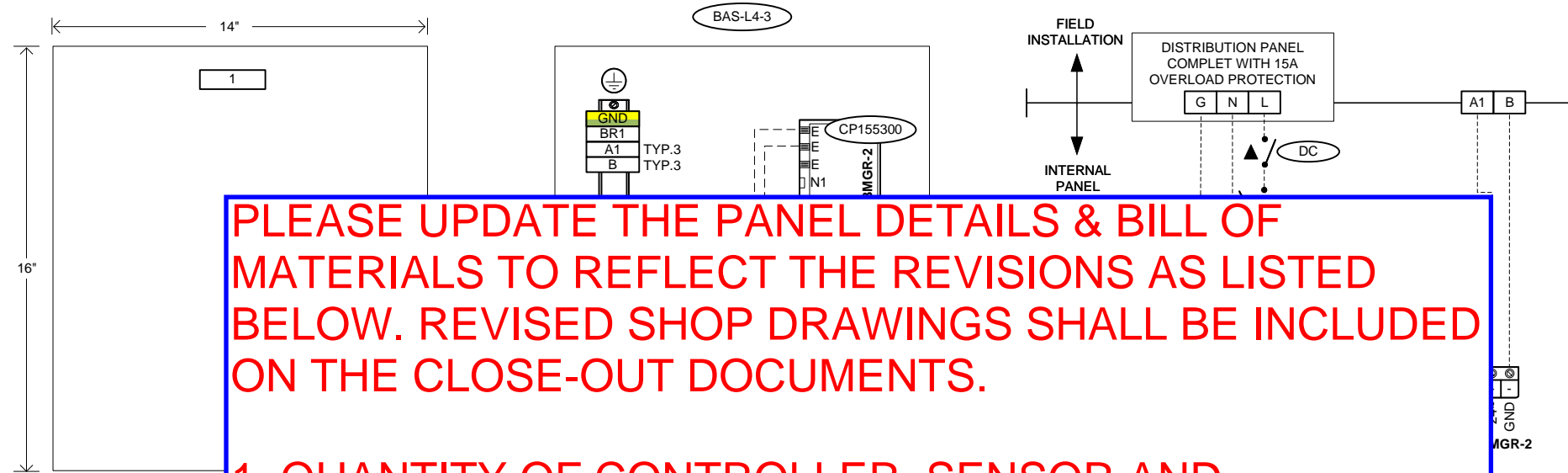
**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-703

**BAS-L4-3**  
(PANEL DETAILS & BILL OF MATERIAL)

**CSA CERTIFIED INSTALLATION**  
ALL COMPONENTS IN THE PANEL  
( OTHER THAN DELTA ) MUST BE APPROVED CSA

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**PLEASE UPDATE THE PANEL DETAILS & BILL OF MATERIALS TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

NAME PLATE  
1 : CONTROL PANEL BAS  
2 : RÉGULVAR

| SYSTEM   |   |      |   |                        |   |              |
|----------|---|------|---|------------------------|---|--------------|
| BAS-L4-3 | ■ | B    |   |                        |   |              |
| BAS-L4-3 | ■ | CP   |   |                        |   | 24Vac (12VA) |
| BAS-L4-3 | ■ |      |   |                        |   |              |
| BAS-L4-3 | ■ |      |   |                        |   |              |
| BAS-L4-3 | ■ | BR   | 1 | P1MB1PC04              | Miniature circuit breaker 4A                  |              |
| BAS-L4-3 | ■ | XFO  | 1 | DC9912EB               | Transformer 120/24V,100VA,enclosed type.      |              |
| BAS-L4-3 | ■ |      | 1 | BOI2020                | case 2020                                     |              |
| BAS-L4-3 | ■ | DC   | 1 | 1101CW                 | 120 volts electric switch INDUSTRIAL          |              |
| BAS-L4-3 | ■ |      | 1 | 20C5                   | Switch Plate for case 2020                    |              |
| BAS-L4-3 | ■ |      | 1 | METAL-SWITCH-LVR-GUARD | METAL SWITCH LVR GUARD                        |              |
| BAS-L4-3 | ■ | EBOX | 1 | 101912WT               | EBOX 2 PORT SURFACE MOUNT WHITE RJ45 BOX ONLY |              |
| BAS-L4-3 | ■ |      | 2 | 101723                 | CAT6A RJ45 Adapter                            |              |
| BAS-L4-3 | ■ |      | 2 | 100753OR               | PATCH CABLE 3 FEET CAT6A                      |              |

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |


DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH



**PROJECT**  
**YRAB**  
**PHASE D RENOVATION**

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
A-704

# SECTION B POINTS LIST

|      |          |      |          |     |             |       |          |  |   |   |                           |
|------|----------|------|----------|-----|-------------|-------|----------|--|---|---|---------------------------|
| -    | -        | -    | -        | -   | -           | -     | -        | DESIGNER<br>A.YZZOGH                     |  | <b>PROJECT</b><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771  |
| -    | -        | -    | -        | -   | -           | -     | -        | PROJECT MANAGER<br>C.SOARES              |   |   | NO: PROJECT<br>2411-00450 |
| -    | -        | -    | -        | -   | -           | -     | -        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7                                     |   | PAGE:                     |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |  |   |   | B-000                     |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |  |   |   |                           |

**PROJECT:** 2411-00450 - YRAB PHASE D RENOVATION  
**PANEL:** ENCLO-Lx-x  
**SYSTEM:** FC-x, ROOM CONTROL  
**CONTROLLER:** CPYYY

**TYPE 1A - TYP.26**

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | BELIMO      | DQ2    |
| EZNS            | -         | -               | -        | YY        |        |                           |                                      | AI   | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.
2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 1B - TYP.4

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | BELIMO      | DQ2    |
| EZNS            | -         | -               | -        | YY        |        |                           |                                      | AI   | EZNS-T100C  | CU4    |
|                 |           |                 |          | YY        |        |                           |                                      | AI   |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 1C - TYP.4

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | BELIMO      | DQ2    |
| EZNS            | -         | -               | -        | YY        |        |                           |                                      | AI   | EZNS-T100C  | CU4    |
|                 |           |                 |          | YY        |        |                           |                                      | AI   |             |        |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L3-2  
 SYSTEM: FC-3.19, ROOM CONTROL  
 CONTROLLER: CP155202

TYPE 1D - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                   | Description                          | Type | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|------------------------------|--------------------------------------|------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155202OP1101 | FC-3.19      | YRAB_RMzzz_FC3.19_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155202OP1102 | FC-3.19      | YRAB_RMzzz_FC3.19_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155202OP1103 | FC-3.19      | YRAB_RMzzz_FC3.19_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155202IP1104 | FC-3.19      | YRAB_RMzzz_FC3.19_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | 155202IP1105 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | 155202IP1106 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2       |     |
|                 | 1         | RED5-MODULE-8XP | 1        | 155202IP1107 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | 155202IP1108 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2       |     |
|                 | 1         |                 | 2        | 155202IP1109 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               | BI   | WLDR-105    | DM4       |     |
|                 | 1         |                 | 2        | 155202IP1110 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155202IP1111 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155202IP1112 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155202IP1113 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155202IP1114 | FC-3.19      | YRAB_RMzzz_FC3.19_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | EZNS      | -               | -        | -            | 155202IP1115 |                              |                                      |      | AI          | EZNS-T100 | CU4 |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 1E - TYP.2

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO   | BELIMO      | ME3    |
|                 | 1         | RED5-MODULE-8XP | 1        | Y         |        |                           |                                      | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | Y         |        |                           |                                      | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2        | Y         |        |                           |                                      | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |      |             |        |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |      |             |        |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |      |             |        |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |      |             |        |
| EZNS            | -         | -               | -        | YY        |        |                           |                                      | AI   | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L1-29  
 SYSTEM: FC-1.37, ROOM CONTROL  
 CONTROLLER: CP155029

TYPE 1F - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System  | Point Name                   | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|--------------|---------|------------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155029OP1101 | FC-1.37 | YRAB_RMzzz_FC1.37_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155029OP1102 | FC-1.37 | YRAB_RMzzz_FC1.37_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155029OP1103 | FC-1.37 | YRAB_RMzzz_FC1.37_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155029IP1104 | FC-1.37 | YRAB_RMzzz_FC1.37_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | 155029IP1105 | FC-1.37 | YRAB_RMzzz_FC1.37_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | 155029IP1106 | FC-1.37 | YRAB_RMzzz_FC1.37_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | 155029IP1107 | FC-1.37 | YRAB_RMzzz_FC1.37_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1        | 155029IP1108 | FC-1.37 | YRAB_RMzzz_FC1.37_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
| EZNS            | -         | -               | -        | 155029IP1109 | FC-1.37 | YRAB_RMzzz_FC1.37_SAT        | SUPPLY AIR TEMPERATURE               | AI   | EZNS-T100   | CU4    |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L1-3  
 SYSTEM: FC-1.3, ROOM CONTROL  
 CONTROLLER: CP155003

TYPE 2A - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                    | Description                          | Type                   | Equipment   | Detail     |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|-------------------------------|--------------------------------------|------------------------|-------------|------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155003OP1101 | FC-1.3       | YRAB_RM11020_FC1.3_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155003OP1102 | FC-1.3       | YRAB_RM11020_FC1.3_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155003OP1103 | FC-1.3       | YRAB_RM11020_FC1.3_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155003IP1104 | FC-1.3       | YRAB_RM11020_FC1.3_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 1        | 155003IP1105 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 1        | 155003IP1106 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 1        | 155003IP1107 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 1        | 155003IP1108 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155003IP1109 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155003IP1110 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         |                 | 2        | 155003IP1111 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155003IP1112 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155003IP1113 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155003IP1114 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155003IP1115 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155003IP1116 | FC-1.3       | YRAB_RM11020_FC1.3_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | EZNS      | -               | -        | -            | 155003IP1117 | FC-1.3                        | YRAB_RM11020_FC1.3_SAT               | SUPPLY AIR TEMPERATURE | AI          | EZNS-T100C | CU4 |
|                 |           |                 |          |              | 155003IP1118 | FC-1.3                        | YRAB_RM11020_FC1.3_SAT               | SUPPLY AIR TEMPERATURE | AI          |            |     |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L2-10  
 SYSTEM: FC-2.6, ROOM CONTROL  
 CONTROLLER: CP155110

TYPE 2B - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                  | Description                          | Type | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|-----------------------------|--------------------------------------|------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155110OP1101 | FC-2.6       | YRAB_RMzzz_FC2.6_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155110OP1102 | FC-2.6       | YRAB_RMzzz_FC2.6_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155110OP1103 | FC-2.6       | YRAB_RMzzz_FC2.6_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155110IP1104 | FC-2.6       | YRAB_RMzzz_FC2.6_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | 155110IP1105 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | 155110IP1106 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2       |     |
|                 | 1         | RED5-MODULE-8XP | 1        | 155110IP1107 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | 155110IP1108 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2       |     |
|                 | 1         |                 | 2        | 155110IP1109 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 2        | 155110IP1110 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2       |     |
|                 | 1         |                 | 2        | 155110IP1111 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155110IP1112 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155110IP1113 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155110IP1114 | FC-2.6       | YRAB_RMzzz_FC2.6_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | EZNS      | -               | -        | -            | 155110IP1115 |                             |                                      |      | AI          | EZNS-T100 | CU4 |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L2-2  
 SYSTEM: FC-2.11, ROOM CONTROL  
 CONTROLLER: CP155102

TYPE 2C - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                   | Description                          | Type                   | Equipment   | Detail     |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|------------------------------|--------------------------------------|------------------------|-------------|------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155102OP1101 | FC-2.11      | YRAB_RMzzz_FC2.11_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155102OP1102 | FC-2.11      | YRAB_RMzzz_FC2.11_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155102OP1103 | FC-2.11      | YRAB_RMzzz_FC2.11_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155102IP1104 | FC-2.11      | YRAB_RMzzz_FC2.11_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 1        | 155102IP1105 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 1        | 155102IP1106 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 1        | 155102IP1107 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 1        | 155102IP1108 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155102IP1109 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155102IP1110 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         |                 | 2        | 155102IP1111 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155102IP1112 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         |                 | 2        | 155102IP1113 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155102IP1114 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155102IP1115 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155102IP1116 | FC-2.11      | YRAB_RMzzz_FC2.11_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | EZNS      | -               | -        | -            | 155102IP1117 | FC-2.11                      | YRAB_RMzzz_FC2.11_SAT                | SUPPLY AIR TEMPERATURE | AI          | EZNS-T100C | CU4 |
|                 |           |                 |          |              | 155102IP1118 | FC-2.11                      | YRAB_RMzzz_FC2.11_SAT                | SUPPLY AIR TEMPERATURE | AI          |            |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L3-1  
 SYSTEM: FC-3.4, ROOM CONTROL  
 CONTROLLER: CP155201

TYPE 2D - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                    | Description                          | Type                   | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|-------------------------------|--------------------------------------|------------------------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155201OP1101 | FC-3.4       | YRAB_RM32080_FC3.4_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155201OP1102 | FC-3.4       | YRAB_RM32080_FC3.4_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155201OP1103 | FC-3.4       | YRAB_RM32080_FC3.4_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155201IP1104 | FC-3.4       | YRAB_RM32080_FC3.4_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | 155201IP1105 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | 155201IP1106 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 1        | 155201IP1107 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | 155201IP1108 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155201IP1109 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3       |     |
|                 | 1         |                 | 2        | 155201IP1110 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2       |     |
|                 | 1         |                 | 2        | 155201IP1111 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | 1         |                 | 2        | 155201IP1112 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | 1         |                 | 2        | 155201IP1113 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | 1         |                 | 2        | 155201IP1114 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | 1         |                 | 2        | 155201IP1115 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | 1         |                 | 2        | 155201IP1116 | FC-3.4       | YRAB_RM32080_FC3.4_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |           |     |
|                 | EZNS      | -               | -        | -            | 155201IP1117 | FC-3.4                        | YRAB_RM32080_FC3.4_SAT               | SUPPLY AIR TEMPERATURE | AI          | EZNS-T100 | CU4 |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L2-18  
 SYSTEM: FC-2.1, ROOM CONTROL  
 CONTROLLER: CP155118

TYPE 2E - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System | Point Name                  | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|--------------|--------|-----------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155118OP1101 | FC-2.1 | YRAB_RMzzz_FC2.1_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155118OP1102 | FC-2.1 | YRAB_RMzzz_FC2.1_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155118OP1103 | FC-2.1 | YRAB_RMzzz_FC2.1_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1        | 155118IP1104 | FC-2.1 | YRAB_RMzzz_FC2.1_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | 155118IP1105 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | 155118IP1106 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         | RED5-MODULE-8XP | 1        | 155118IP1107 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1        | 155118IP1108 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | 155118IP1109 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2        | 155118IP1110 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | 155118IP1111 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2        | 155118IP1112 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | 155118IP1113 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2        | 155118IP1114 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | 155118IP1115 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2        | 155118IP1116 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 2        | 155118IP1117 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2        | 155118IP1118 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
| EZNS            | -         | -               | -        | 155118IP1119 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   | EZNS-T100C  | CU4    |
|                 | -         | -               | -        | 155118IP1120 | FC-2.1 | YRAB_RMzzz_FC2.1_SAT        | SUPPLY AIR TEMPERATURE               | AI   |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, FC-y, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 3A - TYP.2

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type        | Equipment   | Detail |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|-------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI          | DRY CONTACT | AV2    |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI          | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI          | CS-650-10   | AJ2    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI          | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2        | Y         |        |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | BI                                   | DRY CONTACT | AV2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | AI                                   | 10K-AN-D8   | AA2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | AI                                   | CS-650-10   | AJ2         |        |
|                 | 1         |                 | 2        | Y         |        |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 2        | Y         |        |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | EZNS      | -               | -        | -         | YY     |                           |                                      | AI          | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

**PROJECT:** 2411-00450 - YRAB PHASE D RENOVATION  
**PANEL:** ENCLO-L1-26  
**SYSTEM:** FC-1.14, FC-1.15, ROOM CONTROL      **TYPE 3B - TYP.1**  
**CONTROLLER:** CP155026

| Type Controller | Expansion | Module          | Position     | Wire Tag       | System       | Point Name                     | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|--------------|----------------|--------------|--------------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155026OP1101   | FC-1.14      | YRAB_RM11330_FC1.14_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155026OP1102   | FC-1.14      | YRAB_RM11330_FC1.14_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155026OP1103   | FC-1.14      | YRAB_RM11330_FC1.14_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155026IP1104   | FC-1.14      | YRAB_RM11330_FC1.14_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1            | 155026IP1105   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1            | 155026IP1106   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1            | 155026IP1107   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1            | 155026IP1108   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2            | 155026IP1109   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155026IP1110   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155026IP1111   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155026IP1112   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 2            | 155026IP1113   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 2            | 155026IP1114   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2            | 155026IP1115   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2            | 155026IP1116   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 3            | 155026IP1117   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155026IP1118   | FC-1.14      | YRAB_RM11330_FC1.14_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 3            | 155026XP1303   |              |                                |                                      |      |             |        |
|                 | 1         |                 | 3            | 155026XP1304   |              |                                |                                      |      |             |        |
| 1               | 3         |                 | 155026XP1305 |                |              |                                |                                      |      |             |        |
| 1               | 3         |                 | 155026XP1306 |                |              |                                |                                      |      |             |        |
| 1               | 3         |                 | 155026XP1307 |                |              |                                |                                      |      |             |        |
| 1               | 3         |                 | 155026XP1308 |                |              |                                |                                      |      |             |        |
| EZNS            | -         | -               | -            | 155026IP101001 | ROOM CONTROL | YRAB_RM11330_RMT               | ROOM TEMPERATURE                     | AI   | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, FC-y, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 3C - TYP.2

| Type Controller | Expansion | Module          | Position  | Wire Tag    | System       | Point Name                | Description                          | Type        | Equipment   | Detail |
|-----------------|-----------|-----------------|-----------|-------------|--------------|---------------------------|--------------------------------------|-------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1         | YYYOP1101   | FC-x         | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1102   | FC-x         | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1103   | FC-x         | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYIP1104   | FC-x         | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI          | DRY CONTACT | AV2    |
|                 | 1         |                 | 1         | YYYIP1105   | FC-x         | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI          | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AI          | CS-650-10   | AJ2    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AI          | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BI                                   | DRY CONTACT | AV2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | 10K-AN-D8   | AA2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | CS-650-10   | AJ2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         | RED5-MODULE-8XP | 3         | Y           |              |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 3         | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         |                 | 3         | YYYXP1303   |              |                           |                                      |             |             |        |
|                 | 1         |                 | 3         | YYYXP1304   |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1305 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1306 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1307 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1308 |             |              |                           |                                      |             |             |        |
| EZNS            | -         | -               | -         | YYYIP101001 | ROOM CONTROL | YRAB_RMzzz_RMT            | ROOM TEMPERATURE                     | AI          | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, FC-y, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 3D - TYP.4

| Type Controller | Expansion | Module          | Position  | Wire Tag    | System       | Point Name                | Description                          | Type | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|-----------|-------------|--------------|---------------------------|--------------------------------------|------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1         | YYYOP1101   | FC-x         | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1         | YYYOP1102   | FC-x         | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1         | YYYOP1103   | FC-x         | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1         | YYYIP1104   | FC-x         | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1         | YYYIP1105   | FC-x         | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 |           | 1           | Y            |                           |                                      |      | AI          | CS-650-10 | AJ2 |
|                 | 1         |                 |           | 1           | Y            |                           |                                      |      | AO          | BELIMO    | ME3 |
|                 | 1         |                 |           | 1           | Y            |                           |                                      |      | AI          | BELIMO    | DQ2 |
|                 | 1         | RED5-MODULE-8XP | 2         | Y           |              |                           |                                      | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | BI   | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | AI   | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | AI   | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 2         | Y           |              |                           |                                      | AI   | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 3         | Y           |              |                           |                                      | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 3         | Y           |              |                           |                                      | AI   | BELIMO      | DQ2       |     |
|                 | 1         |                 | 3         | YYYXP1303   |              |                           |                                      |      |             |           |     |
|                 | 1         |                 | 3         | YYYXP1304   |              |                           |                                      |      |             |           |     |
| 1               | 3         |                 | YYYXP1305 |             |              |                           |                                      |      |             |           |     |
| 1               | 3         |                 | YYYXP1306 |             |              |                           |                                      |      |             |           |     |
| 1               | 3         |                 | YYYXP1307 |             |              |                           |                                      |      |             |           |     |
| 1               | 3         |                 | YYYXP1308 |             |              |                           |                                      |      |             |           |     |
| EZNS            | -         | -               | -         | YYYIP101001 | ROOM CONTROL | YRAB_RMzzz_RMT            | ROOM TEMPERATURE                     | AI   | EZNS-T100C  | CU4       |     |
|                 |           |                 |           | YYYIP101004 | ROOM CONTROL | YRAB_RMzzz_GAS_CO2        | ROOM CO2                             | AI   |             |           |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L3-11  
 SYSTEM: FC-3.11, FC-3.12, ROOM CONTROL  
 CONTROLLER: CP155211

TYPE 3E - TYP.1

| Type Controller | Expansion | Module          | Position     | Wire Tag       | System       | Point Name                   | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|--------------|----------------|--------------|------------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155211OP1101   | FC-3.11      | YRAB_RMzzz_FC3.11_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155211OP1102   | FC-3.11      | YRAB_RMzzz_FC3.11_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155211OP1103   | FC-3.11      | YRAB_RMzzz_FC3.11_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155211IP1104   | FC-3.11      | YRAB_RMzzz_FC3.11_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1            | 155211IP1105   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1            | 155211IP1106   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1            | 155211IP1107   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1            | 155211IP1108   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2            | 155211IP1109   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155211IP1110   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155211IP1111   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155211IP1112   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 2            | 155211IP1113   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 2            | 155211IP1114   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2            | 155211IP1115   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2            | 155211IP1116   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 3            | 155211IP1117   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155211IP1118   | FC-3.11      | YRAB_RMzzz_FC3.11_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 3            | 155211XP1303   |              |                              |                                      |      |             |        |
|                 | 1         |                 | 3            | 155211XP1304   |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155211XP1305 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155211XP1306 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155211XP1307 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155211XP1308 |                |              |                              |                                      |      |             |        |
| EZNS            | -         | -               | -            | 155211IP101001 | ROOM CONTROL | YRAB_RMzzz_RMT               | ROOM TEMPERATURE                     | AI   | EZNS-T100C  | CU4    |
|                 |           |                 |              | 155211IP101004 | ROOM CONTROL | YRAB_RMzzz_GAS_CO2           | ROOM CO2                             | AI   |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

**PROJECT:** 2411-00450 - YRAB PHASE D RENOVATION  
**PANEL:** ENCLO-L2-1  
**SYSTEM:** FC-2.12, FC-2.13, ROOM CONTROL      **TYPE 3F - TYP.1**  
**CONTROLLER:** CP155101

| Type Controller | Expansion | Module          | Position     | Wire Tag       | System       | Point Name                   | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|--------------|----------------|--------------|------------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155101OP1101   | FC-2.12      | YRAB_RMzzz_FC2.12_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155101OP1102   | FC-2.12      | YRAB_RMzzz_FC2.12_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155101OP1103   | FC-2.12      | YRAB_RMzzz_FC2.12_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155101IP1104   | FC-2.12      | YRAB_RMzzz_FC2.12_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1            | 155101IP1105   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1            | 155101IP1106   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1            | 155101IP1107   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 1            | 155101IP1108   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2            | 155101IP1109   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155101IP1110   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155101IP1111   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155101IP1112   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 2            | 155101IP1113   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 2            | 155101IP1114   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2            | 155101IP1115   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2            | 155101IP1116   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 3            | 155101IP1117   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155101IP1118   | FC-2.12      | YRAB_RMzzz_FC2.12_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 3            | 155101XP1303   |              |                              |                                      |      |             |        |
|                 | 1         |                 | 3            | 155101XP1304   |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155101XP1305 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155101XP1306 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155101XP1307 |                |              |                              |                                      |      |             |        |
| 1               | 3         |                 | 155101XP1308 |                |              |                              |                                      |      |             |        |
| EZNS            | -         | -               | -            | 155101IP101001 | ROOM CONTROL | YRAB_RMzzz_RMT               | ROOM TEMPERATURE                     | AI   | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L2-17  
 SYSTEM: FC-2.2, FC-2.3, ROOM CONTROL  
 CONTROLLER: CP155117

TYPE 4A - TYP.1

| Type Controller | Expansion | Module          | Position        | Wire Tag     | System       | Point Name                  | Description                          | Type                      | Equipment        | Detail |           |     |
|-----------------|-----------|-----------------|-----------------|--------------|--------------|-----------------------------|--------------------------------------|---------------------------|------------------|--------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1               | 155117OP1101 | FC-2.2       | YRAB_RMzzz_FC2.2_SF_SS      | SUPPLY FAN START/STOP                | BO                        | G2RL             | MC2    |           |     |
|                 | 1         |                 | 1               | 155117OP1102 | FC-2.2       | YRAB_RMzzz_FC2.2_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                        | G2RL             | MC2    |           |     |
|                 | 1         |                 | 1               | 155117OP1103 | FC-2.2       | YRAB_RMzzz_FC2.2_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                        | G2RL             | MC2    |           |     |
|                 | 1         |                 | 1               | 155117IP1104 | FC-2.2       | YRAB_RMzzz_FC2.2_LEAK       | WATER LEAK STATUS                    | BI                        | DRY CONTACT      | AV2    |           |     |
|                 | 1         |                 | 1               | 155117IP1105 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | 10K-AN-D8        | AA2    |           |     |
|                 | 1         |                 | 1               | 155117IP1106 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | CS-650-10        | AJ2    |           |     |
|                 | 1         |                 | 1               | 155117IP1107 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AO                        | BELIMO           | ME3    |           |     |
|                 | 1         |                 | 1               | 155117IP1108 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | BELIMO           | DQ2    |           |     |
|                 | 1         |                 | RED5-MODULE-8XP | 2            | 155117IP1109 | FC-2.2                      | YRAB_RMzzz_FC2.2_SAT                 | SUPPLY AIR TEMPERATURE    | BO               | G2RL   | MC2       |     |
|                 | 1         | 2               |                 | 155117IP1110 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | BO                        | G2RL             | MC2    |           |     |
|                 | 1         | 2               |                 | 155117IP1111 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | BO                        | G2RL             | MC2    |           |     |
|                 | 1         | 2               |                 | 155117IP1112 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | BI                        | DRY CONTACT      | AV2    |           |     |
|                 | 1         | 2               |                 | 155117IP1113 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | 10K-AN-D8        | AA2    |           |     |
|                 | 1         | 2               |                 | 155117IP1114 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | CS-650-10        | AJ2    |           |     |
|                 | 1         | 2               |                 | 155117IP1115 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AO                        | BELIMO           | ME3    |           |     |
|                 | 1         | 2               |                 | 155117IP1116 | FC-2.2       | YRAB_RMzzz_FC2.2_SAT        | SUPPLY AIR TEMPERATURE               | AI                        | BELIMO           | DQ2    |           |     |
|                 | 1         | RED5-MODULE-8XP |                 | 3            | 155117IP1117 | ROOM CONTROL                | YRAB_RMzzz_WF2_B2.3_HV_MOD           | WALL FIN VALVE MODULATION | AO               | BELIMO | ME3       |     |
|                 | 1         |                 | 3               | 155117IP1118 | ROOM CONTROL | YRAB_RMzzz_WF2_B2.3_HV_FBK  | WALL FIN VALVE FEEDBACK              | AI                        | BELIMO           | DQ2    |           |     |
|                 | 1         |                 | 3               | 155117XP1305 |              |                             |                                      |                           |                  |        |           |     |
|                 | 1         |                 | 3               | 155117XP1306 |              |                             |                                      |                           |                  |        |           |     |
|                 | 1         |                 | 3               | 155117XP1307 |              |                             |                                      |                           |                  |        |           |     |
|                 | 1         |                 | 3               | 155117XP1308 |              |                             |                                      |                           |                  |        |           |     |
|                 | EZNS      |                 | -               | -            | -            | 155117IP101001              | ROOM CONTROL                         | YRAB_RMzzz_RMT            | ROOM TEMPERATURE | AI     | EZNS-T100 | CU4 |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

**PROJECT:** 2411-00450 - YRAB PHASE D RENOVATION  
**PANEL:** ENCLO-L3-10  
**SYSTEM:** FC-3.9, FC-3.10, ROOM CONTROL      **TYPE 4B - TYP.1**  
**CONTROLLER:** CP155210

| Type Controller | Expansion | Module          | Position     | Wire Tag       | System       | Point Name                  | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|--------------|----------------|--------------|-----------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155210OP1101   | FC-3.9       | YRAB_RMzzz_FC3.9_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155210OP1102   | FC-3.9       | YRAB_RMzzz_FC3.9_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155210OP1103   | FC-3.9       | YRAB_RMzzz_FC3.9_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155210IP1104   | FC-3.9       | YRAB_RMzzz_FC3.9_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1            | 155210IP1105   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1            | 155210IP1106   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1            | 155210IP1107   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | ME3    |
|                 | 1         |                 | 1            | 155210IP1108   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2            | 155210IP1109   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155210IP1110   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155210IP1111   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155210IP1112   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 2            | 155210IP1113   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 2            | 155210IP1114   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2            | 155210IP1115   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2            | 155210IP1116   | FC-3.9       | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 3            | 155210IP1117   | ROOM CONTROL | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155210IP1118   | ROOM CONTROL | YRAB_RMzzz_FC3.9_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 3            | 155210OP1303   | ROOM CONTROL | YRAB_RMzzz_WF2_B3.6_HV_MOD  | WALL FIN VALVE MODULATION            | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155210IP1304   | ROOM CONTROL | YRAB_RMzzz_WF2_B3.6_HV_FBK  | WALL FIN VALVE FEEDBACK              | AI   | BELIMO      | DQ2    |
| 1               | 3         |                 | 155210XP1305 |                |              |                             |                                      |      |             |        |
| 1               | 3         |                 | 155210XP1306 |                |              |                             |                                      |      |             |        |
| 1               | 3         |                 | 155210XP1307 |                |              |                             |                                      |      |             |        |
| 1               | 3         |                 | 155210XP1308 |                |              |                             |                                      |      |             |        |
| EZNS            | -         | -               | -            | 155210IP101001 | ROOM CONTROL | YRAB_RMzzz_RMT              | ROOM TEMPERATURE                     | AI   | EZNS-T100C  | CU4    |
|                 |           |                 |              | 155210IP101004 | ROOM CONTROL | YRAB_RMzzz_GAS_CO2          | ROOM CO2                             | AI   |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, FC-y, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 4C - TYP.2

| Type Controller | Expansion | Module          | Position        | Wire Tag    | System       | Point Name                | Description                          | Type        | Equipment   | Detail |
|-----------------|-----------|-----------------|-----------------|-------------|--------------|---------------------------|--------------------------------------|-------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1               | YYYOP1101   | FC-x         | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1               | YYYOP1102   | FC-x         | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1               | YYYOP1103   | FC-x         | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1               | YYYIP1104   | FC-x         | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI          | DRY CONTACT | AV2    |
|                 | 1         |                 | 1               | YYYIP1105   | FC-x         | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI          | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1               | Y           |              |                           |                                      | AI          | CS-650-10   | AJ2    |
|                 | 1         |                 | 1               | Y           |              |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 1               | Y           |              |                           |                                      | AI          | BELIMO      | DQ2    |
|                 | 1         |                 | RED5-MODULE-8XP | 2           | Y            |                           |                                      | BO          | G2RL        | MC2    |
|                 | 1         | 2               |                 | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         | 2               |                 | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         | 2               |                 | Y           |              |                           | BI                                   | DRY CONTACT | AV2         |        |
|                 | 1         | 2               |                 | Y           |              |                           | AI                                   | 10K-AN-D8   | AA2         |        |
|                 | 1         | 2               |                 | Y           |              |                           | AI                                   | CS-650-10   | AJ2         |        |
|                 | 1         | 2               |                 | Y           |              |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         | 2               |                 | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         | RED5-MODULE-8XP |                 | 3           | Y            |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 3               | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         |                 | 3               | YYYOP1303   | ROOM CONTROL | YRAB_RMzzz_WFy_HV_MOD     | WALL FIN VALVE MODULATION            | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 3               | YYYIP1304   | ROOM CONTROL | YRAB_RMzzz_WFy_HV_FBK     | WALL FIN VALVE FEEDBACK              | AI          | BELIMO      | DQ2    |
|                 | 1         |                 | 3               | YYYXP1305   |              |                           |                                      |             |             |        |
|                 | 1         |                 | 3               | YYYXP1306   |              |                           |                                      |             |             |        |
|                 | 1         |                 | 3               | YYYXP1307   |              |                           |                                      |             |             |        |
|                 | 1         |                 | 3               | YYYXP1308   |              |                           |                                      |             |             |        |
| EZNS            | -         | -               | -               | YYYIP101001 | ROOM CONTROL | YRAB_RMzzz_RMT            | ROOM TEMPERATURE                     | AI          | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, FC-y, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 4D - TYP.3

| Type Controller | Expansion | Module          | Position  | Wire Tag    | System       | Point Name                | Description                          | Type        | Equipment   | Detail |
|-----------------|-----------|-----------------|-----------|-------------|--------------|---------------------------|--------------------------------------|-------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1         | YYYOP1101   | FC-x         | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1102   | FC-x         | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1103   | FC-x         | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYIP1104   | FC-x         | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI          | DRY CONTACT | AV2    |
|                 | 1         |                 | 1         | YYYIP1105   | FC-x         | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI          | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AI          | CS-650-10   | AJ2    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 1         | Y           |              |                           |                                      | AI          | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | BI                                   | DRY CONTACT | AV2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | 10K-AN-D8   | AA2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | CS-650-10   | AJ2         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 2         | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         | RED5-MODULE-8XP | 3         | Y           |              |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 3         | Y           |              |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         |                 | 3         | YYYOP1303   | ROOM CONTROL | YRAB_RMzzz_WFy_HV_MOD     | WALL FIN VALVE MODULATION            | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 3         | YYYIP1304   | ROOM CONTROL | YRAB_RMzzz_WFy_HV_FBK     | WALL FIN VALVE FEEDBACK              | AI          | BELIMO      | DQ2    |
| 1               | 3         |                 | YYYXP1305 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1306 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1307 |             |              |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1308 |             |              |                           |                                      |             |             |        |
| EZNS            | -         | -               | -         | YYYIP101001 | ROOM CONTROL | YRAB_RMzzz_RMT            | ROOM TEMPERATURE                     | AI          | EZNS-T100C  | CU4    |
|                 |           |                 |           | YYYIP101004 | ROOM CONTROL | YRAB_RMzzz_GAS_CO2        | ROOM CO2                             | AI          |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L3-3  
 SYSTEM: FC-3.5, FC-3.6, ROOM CONTROL  
 CONTROLLER: CP155203

TYPE 4E - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System         | Point Name                  | Description                          | Type             | Equipment   | Detail      |     |
|-----------------|-----------|-----------------|----------|--------------|----------------|-----------------------------|--------------------------------------|------------------|-------------|-------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155203OP1101 | FC-3.5         | YRAB_RMzzz_FC3.5_SF_SS      | SUPPLY FAN START/STOP                | BO               | G2RL        | MC2         |     |
|                 | 1         |                 | 1        | 155203OP1102 | FC-3.5         | YRAB_RMzzz_FC3.5_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO               | G2RL        | MC2         |     |
|                 | 1         |                 | 1        | 155203OP1103 | FC-3.5         | YRAB_RMzzz_FC3.5_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO               | G2RL        | MC2         |     |
|                 | 1         |                 | 1        | 155203IP1104 | FC-3.5         | YRAB_RMzzz_FC3.5_LEAK       | WATER LEAK STATUS                    | BI               | DRY CONTACT | AV2         |     |
|                 | 1         |                 | 1        | 155203IP1105 | FC-3.5         | YRAB_RMzzz_FC3.5_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2         |     |
|                 | 1         |                 |          | 1            | 155203IP1106   |                             |                                      |                  | AI          | CS-650-10   | AJ2 |
|                 | 1         |                 |          | 1            | 155203IP1107   |                             |                                      |                  | AO          | BELIMO      | ME3 |
|                 | 1         |                 |          | 1            | 155203IP1108   |                             |                                      |                  | AI          | BELIMO      | DQ2 |
|                 | 1         | RED5-MODULE-8XP | 2        | 155203OP1201 |                |                             |                                      |                  | BO          | G2RL        | MC2 |
|                 | 1         |                 | 2        | 155203OP1202 |                |                             |                                      |                  | BO          | G2RL        | MC2 |
|                 | 1         |                 | 2        | 155203OP1203 |                |                             |                                      |                  | BO          | G2RL        | MC2 |
|                 | 1         |                 | 2        | 155203IP1204 |                |                             |                                      |                  | BI          | DRY CONTACT | AV2 |
|                 | 1         |                 | 2        | 155203IP1205 |                |                             |                                      |                  | AI          | 10K-AN-D8   | AA2 |
|                 | 1         |                 | 2        | 155203IP1206 |                |                             |                                      |                  | AI          | CS-650-10   | AJ2 |
|                 | 1         |                 | 2        | 155203IP1207 |                |                             |                                      |                  | AO          | BELIMO      | ME3 |
|                 | 1         |                 | 2        | 155203IP1208 |                |                             |                                      |                  | AI          | BELIMO      | DQ2 |
|                 | 1         | RED5-MODULE-8XP | 3        | 155203OP1301 |                |                             |                                      |                  | AO          | BELIMO      | ME3 |
|                 | 1         |                 | 3        | 155203OP1302 |                |                             |                                      |                  | AI          | BELIMO      | DQ2 |
|                 | 1         |                 | 3        | 155203OP1303 | ROOM CONTROL   | YRAB_RMzzz_WF2_B3.2_HV_MOD  | WALL FIN VALVE MODULATION            | AO               | BELIMO      | ME3         |     |
|                 | 1         |                 | 3        | 155203IP1304 | ROOM CONTROL   | YRAB_RMzzz_WF2_B3.2_HV_FBK  | WALL FIN VALVE FEEDBACK              | AI               | BELIMO      | DQ2         |     |
|                 | 1         |                 | 3        | 155203OP1305 | ROOM CONTROL   | YRAB_RMzzz_BF3.2_ED         | BOOSTER FAN ENABLE/DISABLE           | BO               | G2RL        | MC2         |     |
|                 | 1         |                 | 3        | 155203IP1306 | ROOM CONTROL   | YRAB_RMzzz_BF3.2_AMP        | SUPPLY FAN AMPERAGE                  | AI               | CS-650-10   | AJ2         |     |
|                 | 1         |                 | 3        | 155203XP1307 |                |                             |                                      |                  |             |             |     |
|                 | 1         |                 | 3        | 155203XP1308 |                |                             |                                      |                  |             |             |     |
|                 | EZNS      | -               | -        | -            | 155203IP101001 | ROOM CONTROL                | YRAB_RMzzz_RMT                       | ROOM TEMPERATURE | AI          | EZNS-T100C  | CU4 |
|                 |           |                 |          |              | 155203IP101004 | ROOM CONTROL                | YRAB_RMzzz_GAS_CO2                   | ROOM CO2         | AI          |             |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L1-1  
 SYSTEM: FC-1.1, FC-1.2, ROOM CONTROL  
 CONTROLLER: CP155001

TYPE 4F - TYP.1

| Type Controller | Expansion | Module          | Position     | Wire Tag       | System       | Point Name                    | Description                          | Type | Equipment   | Detail |
|-----------------|-----------|-----------------|--------------|----------------|--------------|-------------------------------|--------------------------------------|------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155001OP1101   | FC-1.2       | YRAB_RM11000_FC1.2_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155001OP1102   | FC-1.2       | YRAB_RM11000_FC1.2_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155001OP1103   | FC-1.2       | YRAB_RM11000_FC1.2_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2    |
|                 | 1         |                 | 1            | 155001IP1104   | FC-1.2       | YRAB_RM11000_FC1.2_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 1            | 155001IP1105   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1            | 155001IP1106   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 1            | 155001IP1107   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | ME3    |
|                 | 1         |                 | 1            | 155001IP1108   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2            | 155001IP1109   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155001IP1110   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155001IP1111   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2    |
|                 | 1         |                 | 2            | 155001IP1112   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | BI   | DRY CONTACT | AV2    |
|                 | 1         |                 | 2            | 155001IP1113   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 2            | 155001IP1114   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2    |
|                 | 1         |                 | 2            | 155001IP1115   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 2            | 155001IP1116   | FC-1.2       | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 3            | 155001IP1117   | ROOM CONTROL | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155001IP1118   | ROOM CONTROL | YRAB_RM11000_FC1.2_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2    |
|                 | 1         |                 | 3            | 155001OP1303   | ROOM CONTROL | YRAB_RM11000_WF2_A1.1_HV_MOD  | WALL FIN VALVE MODULATION            | AO   | BELIMO      | ME3    |
|                 | 1         |                 | 3            | 155001IP1304   | ROOM CONTROL | YRAB_RM11000_WF2_A1.1_HV_FBK  | WALL FIN VALVE FEEDBACK              | AI   | BELIMO      | DQ2    |
| 1               | 3         |                 | 155001XP1305 |                |              |                               |                                      |      |             |        |
| 1               | 3         |                 | 155001XP1306 |                |              |                               |                                      |      |             |        |
| 1               | 3         |                 | 155001XP1307 |                |              |                               |                                      |      |             |        |
| 1               | 3         |                 | 155001XP1308 |                |              |                               |                                      |      |             |        |
| EZNS            | -         | -               | -            | 155001IP101001 | ROOM CONTROL | YRAB_RM11000_RMT              | ROOM TEMPERATURE                     | AI   | EZNS-T100C  | CU4    |
|                 |           |                 |              | 155001IP101004 | ROOM CONTROL | YRAB_RM11000_GAS_CO2          | ROOM CO2                             | AI   |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 5A - TYP.12

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type   | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|--------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI     | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI     | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI     | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO     | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI     | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 2        | Y         |        |                           | AO                                   | BELIMO | ME3         |           |     |
|                 | 1         |                 | 2        | Y         |        |                           | AI                                   | BELIMO | DQ2         |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | EZNS      | -               | -        | -         | YY     |                           |                                      |        | AI          | EZNS-T100 | CU4 |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-25  
 SYSTEM: FC-4.37, ROOM CONTROL  
 CONTROLLER: CP155325

TYPE 5B - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                     | Description                          | Type                   | Equipment   | Detail     |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|--------------------------------|--------------------------------------|------------------------|-------------|------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155325OP1101 | FC-4.37      | YRAB_RM43150_FC4.37_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155325OP1102 | FC-4.37      | YRAB_RM43150_FC4.37_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155325OP1103 | FC-4.37      | YRAB_RM43150_FC4.37_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155325IP1104 | FC-4.37      | YRAB_RM43150_FC4.37_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 1        | 155325IP1105 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 1        | 155325IP1106 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 1        | 155325IP1107 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 1        | 155325IP1108 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155325IP1109 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155325IP1110 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         |                 | 2        | 155325IP1111 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155325IP1112 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155325IP1113 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155325IP1114 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155325IP1115 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155325IP1116 | FC-4.37      | YRAB_RM43150_FC4.37_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | EZNS      | -               | -        | -            | 155325IP1117 | FC-4.37                        | YRAB_RM43150_FC4.37_SAT              | SUPPLY AIR TEMPERATURE | AI          | EZNS-T100C | CU4 |
|                 |           |                 |          |              | 155325IP1118 | FC-4.37                        | YRAB_RM43150_FC4.37_SAT              | SUPPLY AIR TEMPERATURE | AI          |            |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.



PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 5C - TYP.2

| Type Controller | Expansion | Module          | Position | Wire Tag  | System | Point Name                | Description                          | Type   | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|-----------|--------|---------------------------|--------------------------------------|--------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | YYYOP1101 | FC-x   | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYOP1102 | FC-x   | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYOP1103 | FC-x   | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO     | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | YYYIP1104 | FC-x   | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI     | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | YYYIP1105 | FC-x   | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI     | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI     | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AO     | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | Y         |        |                           |                                      | AI     | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 2        | Y         |        |                           | AO                                   | BELIMO | ME3         |           |     |
|                 | 1         |                 | 2        | Y         |        |                           | AI                                   | BELIMO | DQ2         |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | 1         |                 | 2        | Y         |        |                           |                                      |        |             |           |     |
|                 | EZNS      | -               | -        | -         | YY     |                           |                                      |        | AI          | EZNS-T100 | CU4 |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-24  
 SYSTEM: FC-4.36, ROOM CONTROL  
 CONTROLLER: CP155324

TYPE 5D - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                     | Description                          | Type | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|--------------------------------|--------------------------------------|------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155324OP1101 | FC-4.36      | YRAB_RM43160_FC4.36_SF_SS      | SUPPLY FAN START/STOP                | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155324OP1102 | FC-4.36      | YRAB_RM43160_FC4.36_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155324OP1103 | FC-4.36      | YRAB_RM43160_FC4.36_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155324IP1104 | FC-4.36      | YRAB_RM43160_FC4.36_LEAK       | WATER LEAK STATUS                    | BI   | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | 155324IP1105 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AI   | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | 155324IP1106 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 1        | 155324IP1107 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | 155324IP1108 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155324IP1109 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AO   | BELIMO      | ME3       |     |
|                 | 1         |                 | 2        | 155324IP1110 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AI   | BELIMO      | DQ2       |     |
|                 | 1         |                 | 2        | 155324IP1111 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | BO   | G2RL        | MC2       |     |
|                 | 1         |                 | 2        | 155324IP1112 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               | AI   | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 2        | 155324IP1113 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155324IP1114 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155324IP1115 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | 1         |                 | 2        | 155324IP1116 | FC-4.36      | YRAB_RM43160_FC4.36_SAT        | SUPPLY AIR TEMPERATURE               |      |             |           |     |
|                 | EZNS      | -               | -        | -            | 155324IP1117 |                                |                                      |      | AI          | EZNS-T100 | CU4 |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-18  
 SYSTEM: FC-4.32, ROOM CONTROL  
 CONTROLLER: CP155318

TYPE 5E - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System       | Point Name                     | Description                          | Type                   | Equipment   | Detail     |     |
|-----------------|-----------|-----------------|----------|--------------|--------------|--------------------------------|--------------------------------------|------------------------|-------------|------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155318OP1101 | FC-4.32      | YRAB_RM43210_FC4.32_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155318OP1102 | FC-4.32      | YRAB_RM43210_FC4.32_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155318OP1103 | FC-4.32      | YRAB_RM43210_FC4.32_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155318IP1104 | FC-4.32      | YRAB_RM43210_FC4.32_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 1        | 155318IP1105 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 1        | 155318IP1106 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 1        | 155318IP1107 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 1        | 155318IP1108 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155318IP1109 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155318IP1110 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2        |     |
|                 | 1         |                 | 2        | 155318IP1111 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155318IP1112 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155318IP1113 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155318IP1114 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155318IP1115 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | 1         |                 | 2        | 155318IP1116 | FC-4.32      | YRAB_RM43210_FC4.32_SAT        | SUPPLY AIR TEMPERATURE               |                        |             |            |     |
|                 | EZNS      | -               | -        | -            | 155318IP1117 | FC-4.32                        | YRAB_RM43210_FC4.32_SAT              | SUPPLY AIR TEMPERATURE | AI          | EZNS-T100C | CU4 |
|                 |           |                 |          |              | 155318IP1118 | FC-4.32                        | YRAB_RM43210_FC4.32_SAT              | SUPPLY AIR TEMPERATURE | AI          |            |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-10  
 SYSTEM: FC-4.8, FC-4.9, ROOM CONTROL  
 CONTROLLER: CP155310

TYPE 6A - TYP.1

| Type Controller | Expansion | Module          | Position        | Wire Tag       | System       | Point Name                  | Description                          | Type                   | Equipment   | Detail |
|-----------------|-----------|-----------------|-----------------|----------------|--------------|-----------------------------|--------------------------------------|------------------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1               | 155310OP1101   | FC-4.8       | YRAB_RMzzz_FC4.8_SF_SS      | SUPPLY FAN START/STOP                | BO                     | G2RL        | MC2    |
|                 | 1         |                 | 1               | 155310OP1102   | FC-4.8       | YRAB_RMzzz_FC4.8_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                     | G2RL        | MC2    |
|                 | 1         |                 | 1               | 155310OP1103   | FC-4.8       | YRAB_RMzzz_FC4.8_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                     | G2RL        | MC2    |
|                 | 1         |                 | 1               | 155310IP1104   | FC-4.8       | YRAB_RMzzz_FC4.8_LEAK       | WATER LEAK STATUS                    | BI                     | DRY CONTACT | AV2    |
|                 | 1         |                 | 1               | 155310IP1105   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1               | 155310IP1106   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2    |
|                 | 1         |                 | 1               | 155310IP1107   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | ME3    |
|                 | 1         |                 | 1               | 155310IP1108   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2    |
|                 | 1         |                 | RED5-MODULE-8XP | 2              | 155310IP1109 | FC-4.8                      | YRAB_RMzzz_FC4.8_SAT                 | SUPPLY AIR TEMPERATURE | BO          | G2RL   |
|                 | 1         | 2               |                 | 155310IP1110   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | BO                     | G2RL        | MC2    |
|                 | 1         | 2               |                 | 155310IP1111   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | BO                     | G2RL        | MC2    |
|                 | 1         | 2               |                 | 155310IP1112   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | BI                     | DRY CONTACT | AV2    |
|                 | 1         | 2               |                 | 155310IP1113   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | 10K-AN-D8   | AA2    |
|                 | 1         | 2               |                 | 155310IP1114   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | CS-650-10   | AJ2    |
|                 | 1         | 2               |                 | 155310IP1115   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AO                     | BELIMO      | ME3    |
|                 | 1         | 2               |                 | 155310IP1116   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP |                 | 3              | 155310IP1117 | FC-4.8                      | YRAB_RMzzz_FC4.8_SAT                 | SUPPLY AIR TEMPERATURE | AO          | BELIMO |
|                 | 1         |                 | 3               | 155310IP1118   | FC-4.8       | YRAB_RMzzz_FC4.8_SAT        | SUPPLY AIR TEMPERATURE               | AI                     | BELIMO      | DQ2    |
|                 | 1         |                 | 3               | 155310OP1303   | FC-4.9       | YRAB_RMzzz_FC4.9_HV_MOD     | HEATING VALVE MODULATION             | AO                     | BELIMO      | ME3    |
|                 | 1         |                 | 3               | 155310IP1304   | FC-4.9       | YRAB_RMzzz_FC4.9_HV_FBK     | HEATING VALVE FEEDBACK               | AI                     | BELIMO      | DQ2    |
|                 | 1         |                 | 3               | 155310OP1305   | ROOM CONTROL | YRAB_RMzzz_WF1_F4.5_HV_MOD  | WALL FIN VALVE MODULATION            | AO                     | BELIMO      | ME3    |
|                 | 1         |                 | 3               | 155310IP1306   | ROOM CONTROL | YRAB_RMzzz_WF1_F4.5_HV_FBK  | WALL FIN VALVE FEEDBACK              | AI                     | BELIMO      | DQ2    |
|                 | 1         |                 | 3               | 155310XP1307   |              |                             |                                      |                        |             |        |
|                 | 1         |                 | 3               | 155310XP1308   |              |                             |                                      |                        |             |        |
| EZNS            | -         | -               | -               | 155310IP101001 | ROOM CONTROL | YRAB_RMzzz_RMT              | ROOM TEMPERATURE                     | AI                     | EZNS-T100   | CU4    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-Lx-x  
 SYSTEM: FC-x, ROOM CONTROL  
 CONTROLLER: CPYYY

TYPE 6B - TYP.4

| Type Controller | Expansion | Module          | Position  | Wire Tag     | System                | Point Name                | Description                          | Type        | Equipment   | Detail |
|-----------------|-----------|-----------------|-----------|--------------|-----------------------|---------------------------|--------------------------------------|-------------|-------------|--------|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1         | YYYOP1101    | FC-x                  | YRAB_RMzzz_FCx_SF_SS      | SUPPLY FAN START/STOP                | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1102    | FC-x                  | YRAB_RMzzz_FCx_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYOP1103    | FC-x                  | YRAB_RMzzz_FCx_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO          | G2RL        | MC2    |
|                 | 1         |                 | 1         | YYYIP1104    | FC-x                  | YRAB_RMzzz_FCx_LEAK       | WATER LEAK STATUS                    | BI          | DRY CONTACT | AV2    |
|                 | 1         |                 | 1         | YYYIP1105    | FC-x                  | YRAB_RMzzz_FCx_SAT        | SUPPLY AIR TEMPERATURE               | AI          | 10K-AN-D8   | AA2    |
|                 | 1         |                 | 1         | Y            |                       |                           |                                      | AI          | CS-650-10   | AJ2    |
|                 | 1         |                 | 1         | Y            |                       |                           |                                      | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 1         | Y            |                       |                           |                                      | AI          | BELIMO      | DQ2    |
|                 | 1         | RED5-MODULE-8XP | 2         | Y            |                       |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | BO                                   | G2RL        | MC2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | BI                                   | DRY CONTACT | AV2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | AI                                   | 10K-AN-D8   | AA2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | AI                                   | CS-650-10   | AJ2         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 2         | Y            |                       |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         | RED5-MODULE-8XP | 3         | Y            |                       |                           | AO                                   | BELIMO      | ME3         |        |
|                 | 1         |                 | 3         | Y            |                       |                           | AI                                   | BELIMO      | DQ2         |        |
|                 | 1         |                 | 3         | YYYOP1303    | FC-y                  | YRAB_RMzzz_FCy_HV_MOD     | HEATING VALVE MODULATION             | AO          | BELIMO      | ME3    |
|                 | 1         |                 | 3         | YYYIP1304    | FC-y                  | YRAB_RMzzz_FCy_HV_FBK     | HEATING VALVE FEEDBACK               | AI          | BELIMO      | DQ2    |
| 1               | 3         |                 | YYYOP1305 | ROOM CONTROL | YRAB_RMzzz_WFx_HV_MOD | WALL FIN VALVE MODULATION | AO                                   | BELIMO      | ME3         |        |
| 1               | 3         |                 | YYYIP1306 | ROOM CONTROL | YRAB_RMzzz_WFx_HV_FBK | WALL FIN VALVE FEEDBACK   | AI                                   | BELIMO      | DQ2         |        |
| 1               | 3         |                 | YYYXP1307 |              |                       |                           |                                      |             |             |        |
| 1               | 3         |                 | YYYXP1308 |              |                       |                           |                                      |             |             |        |
| EZNS            | -         | -               | -         | YYYIP101001  | ROOM CONTROL          | YRAB_RMzzz_RMT            | ROOM TEMPERATURE                     | AI          | EZNS-T100C  | CU4    |
|                 |           |                 |           | YYYIP101004  | ROOM CONTROL          | YRAB_RMzzz_GAS_CO2        | ROOM CO2                             | AI          |             |        |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

**PROJECT:** 2411-00450 - YRAB PHASE D RENOVATION  
**PANEL:** ENCLO-L4-19  
**SYSTEM:** FC-4.16, FC-4.17, ROOM CONTROL      **TYPE 6C - TYP.1**  
**CONTROLLER:** CP155319

| Type Controller | Expansion | Module          | Position | Wire Tag     | System         | Point Name                   | Description                          | Type             | Equipment   | Detail     |     |
|-----------------|-----------|-----------------|----------|--------------|----------------|------------------------------|--------------------------------------|------------------|-------------|------------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155319OP1101 | FC-4.16        | YRAB_RMzzz_FC4.16_SF_SS      | SUPPLY FAN START/STOP                | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155319OP1102 | FC-4.16        | YRAB_RMzzz_FC4.16_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155319OP1103 | FC-4.16        | YRAB_RMzzz_FC4.16_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 1        | 155319IP1104 | FC-4.16        | YRAB_RMzzz_FC4.16_LEAK       | WATER LEAK STATUS                    | BI               | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 1        | 155319IP1105 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 1        | 155319IP1106 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 1        | 155319IP1107 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 1        | 155319IP1108 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155319IP1109 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 2        | 155319IP1110 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 2        | 155319IP1111 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | BO               | G2RL        | MC2        |     |
|                 | 1         |                 | 2        | 155319IP1112 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | BI               | DRY CONTACT | AV2        |     |
|                 | 1         |                 | 2        | 155319IP1113 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2        |     |
|                 | 1         |                 | 2        | 155319IP1114 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | CS-650-10   | AJ2        |     |
|                 | 1         |                 | 2        | 155319IP1115 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 2        | 155319IP1116 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | BELIMO      | DQ2        |     |
|                 | 1         | RED5-MODULE-8XP | 3        | 155319IP1117 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 3        | 155319IP1118 | FC-4.16        | YRAB_RMzzz_FC4.16_SAT        | SUPPLY AIR TEMPERATURE               | AI               | BELIMO      | DQ2        |     |
|                 | 1         |                 | 3        | 155319OP1303 | FC-4.17        | YRAB_RMzzz_FC4.17_HV_MOD     | HEATING VALVE MODULATION             | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 3        | 155319IP1304 | FC-4.17        | YRAB_RMzzz_FC4.17_HV_FBK     | HEATING VALVE FEEDBACK               | AI               | BELIMO      | DQ2        |     |
|                 | 1         |                 | 3        | 155319OP1305 | ROOM CONTROL   | YRAB_RMzzz_WF2_G4.2_HV_MOD   | WALL FIN VALVE MODULATION            | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 3        | 155319IP1306 | ROOM CONTROL   | YRAB_RMzzz_WF2_G4.2_HV_FBK   | WALL FIN VALVE FEEDBACK              | AI               | BELIMO      | DQ2        |     |
|                 | 1         |                 | 3        | 155319OP1307 | ROOM CONTROL   | YRAB_RMzzz_WF1_G4.3_HV_MOD   | WALL FIN VALVE MODULATION            | AO               | BELIMO      | ME3        |     |
|                 | 1         |                 | 3        | 155319IP1308 | ROOM CONTROL   | YRAB_RMzzz_WF1_G4.3_FBK      | WALL FIN VALVE FEEDBACK              | AI               | BELIMO      | DQ2        |     |
|                 | EZNS      | -               | -        | -            | 155319IP101001 | ROOM CONTROL                 | YRAB_RMzzz_RMT                       | ROOM TEMPERATURE | AI          | EZNS-T100C | CU4 |
|                 |           |                 |          |              | 155319IP101004 | ROOM CONTROL                 | YRAB_RMzzz_GAS_CO2                   | ROOM CO2         | AI          |            |     |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-17  
 SYSTEM: FC-4.14, FC-4.15, ROOM CONTROL  
 CONTROLLER: CP155317

TYPE 6D - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag     | System         | Point Name                   | Description                          | Type             | Equipment   | Detail    |     |
|-----------------|-----------|-----------------|----------|--------------|----------------|------------------------------|--------------------------------------|------------------|-------------|-----------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1        | 155317OP1101 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_SS      | SUPPLY FAN START/STOP                | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155317OP1102 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155317OP1103 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 1        | 155317IP1104 | FC-4.14        | YRAB_RMzzz_FC4.14_LEAK       | WATER LEAK STATUS                    | BI               | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 1        | 155317IP1105 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 1        | 155317IP1106 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 1        | 155317IP1107 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 1        | 155317IP1108 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 2        | 155317IP1201 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_SS      | SUPPLY FAN START/STOP                | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 2        | 155317IP1202 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 2        | 155317IP1203 | FC-4.14        | YRAB_RMzzz_FC4.14_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO               | G2RL        | MC2       |     |
|                 | 1         |                 | 2        | 155317IP1204 | FC-4.14        | YRAB_RMzzz_FC4.14_LEAK       | WATER LEAK STATUS                    | BI               | DRY CONTACT | AV2       |     |
|                 | 1         |                 | 2        | 155317IP1205 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2       |     |
|                 | 1         |                 | 2        | 155317IP1206 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | CS-650-10   | AJ2       |     |
|                 | 1         |                 | 2        | 155317IP1207 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 2        | 155317IP1208 | FC-4.14        | YRAB_RMzzz_FC4.14_SAT        | SUPPLY AIR TEMPERATURE               | AI               | BELIMO      | DQ2       |     |
|                 | 1         | RED5-MODULE-8XP | 3        | 155317IP1301 | FC-4.15        | YRAB_RMzzz_FC4.15_HV_MOD     | HEATING VALVE MODULATION             | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 3        | 155317IP1302 | FC-4.15        | YRAB_RMzzz_FC4.15_HV_FBK     | HEATING VALVE FEEDBACK               | AI               | BELIMO      | DQ2       |     |
|                 | 1         |                 | 3        | 155317OP1303 | FC-4.15        | YRAB_RMzzz_FC4.15_HV_MOD     | HEATING VALVE MODULATION             | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 3        | 155317IP1304 | FC-4.15        | YRAB_RMzzz_FC4.15_HV_FBK     | HEATING VALVE FEEDBACK               | AI               | BELIMO      | DQ2       |     |
|                 | 1         |                 | 3        | 155317OP1305 | ROOM CONTROL   | YRAB_RMzzz_WF2_F4.8_HV_MOD   | WALL FIN VALVE MODULATION            | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 3        | 155317IP1306 | ROOM CONTROL   | YRAB_RMzzz_WF2_F4.8_HV_FBK   | WALL FIN VALVE FEEDBACK              | AI               | BELIMO      | DQ2       |     |
|                 | 1         |                 | 3        | 155317OP1307 | ROOM CONTROL   | YRAB_RMzzz_WF2_G4.1_HV_MOD   | WALL FIN VALVE MODULATION            | AO               | BELIMO      | ME3       |     |
|                 | 1         |                 | 3        | 155317IP1308 | ROOM CONTROL   | YRAB_RMzzz_WF2_G4.1_FBK      | WALL FIN VALVE FEEDBACK              | AI               | BELIMO      | DQ2       |     |
|                 | EZNS      | -               | -        | -            | 155317IP101001 | ROOM CONTROL                 | YRAB_RMzzz_RMT                       | ROOM TEMPERATURE | AI          | EZNS-T100 | CU4 |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.  
  
 1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.  
  
 2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-1  
 SYSTEM: FC-4.1, FC-4.2, FC-4.3, ROOM CONTROL TYPE 7A - TYP.1  
 CONTROLLER: CP155301

| Type Controller | Expansion | Module          | Position        | Wire Tag  | System                  | Point Name                  | Description                          | Type                     | Equipment   | Detail |             |        |     |
|-----------------|-----------|-----------------|-----------------|---|-------------------------|-----------------------------|--------------------------------------|--------------------------|-------------|--------|-------------|--------|-----|
| RED5-PLUS-ROOM  | 1         | RED5-MODULE-8XP | 1               | 155301OP1101  | FC-4.1                  | YRAB_RMzzz_FC4.1_SF_SS      | SUPPLY FAN START/STOP                | BO                       | G2RL        | MC2    |             |        |     |
|                 | 1         |                 | 1               | 155301OP1102  | FC-4.1                  | YRAB_RMzzz_FC4.1_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO                       | G2RL        | MC2    |             |        |     |
|                 | 1         |                 | 1               | 155301OP1103  | FC-4.1                  | YRAB_RMzzz_FC4.1_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO                       | G2RL        | MC2    |             |        |     |
|                 | 1         |                 | 1               | 155301IP1104  | FC-4.1                  | YRAB_RMzzz_FC4.1_LEAK       | WATER LEAK STATUS                    | BI                       | DRY CONTACT | AV2    |             |        |     |
|                 | 1         |                 | 1               | 155301IP1105  | FC-4.1                  | YRAB_RMzzz_FC4.1_SAT        | SUPPLY AIR TEMPERATURE               | AI                       | 10K-AN-D8   | AA2    |             |        |     |
|                 | 1         |                 | 1               | 155301IP1106  | FC-4.1                  | YRAB_RMzzz_FC4.1_SF_AMP     | SUPPLY FAN AMPERAGE                  | AI                       | CS-650-10   | AJ2    |             |        |     |
|                 | 1         |                 | 1               | 155301OP1107  | FC-4.1                  | YRAB_RMzzz_FC4.1_CV_MOD     | COOLING VALVE MODULATION             | AO                       | BELIMO      | ME3    |             |        |     |
|                 | 1         | RED5-MODULE-8XP | 1               | <p style="color: red; text-align: center; font-weight: bold;">PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.</p> <p style="color: red; text-align: center; font-weight: bold;">1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.</p> <p style="color: red; text-align: center; font-weight: bold;">2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.</p> |                         |                             |                                      |                          |             |        | AI          | BELIMO | DQ2 |
|                 | 1         |                 | BO              |   |                         |                             |                                      |                          |             |        | G2RL        | MC2    |     |
|                 | 1         |                 | BO              |   |                         |                             |                                      |                          |             |        | G2RL        | MC2    |     |
|                 | 1         |                 | BO              |   |                         |                             |                                      |                          |             |        | G2RL        | MC2    |     |
|                 | 1         |                 | BI              |   |                         |                             |                                      |                          |             |        | DRY CONTACT | AV2    |     |
|                 | 1         |                 | AI              |   |                         |                             |                                      |                          |             |        | 10K-AN-D8   | AA2    |     |
|                 | 1         |                 | AI              |   |                         |                             |                                      |                          |             |        | CS-650-10   | AJ2    |     |
|                 | 1         | AO              | BELIMO          |   |                         |                             |                                      |                          |             |        | ME3         |        |     |
|                 | 1         | AI              | BELIMO          |   |                         |                             |                                      |                          |             |        | DQ2         |        |     |
|                 | 1         | BO              | G2RL            |   |                         |                             |                                      |                          |             |        | MC2         |        |     |
|                 | 1         | BO              | G2RL            |   |                         |                             |                                      |                          |             |        | MC2         |        |     |
|                 | 1         | BO              | G2RL            |   |                         |                             |                                      |                          |             |        | MC2         |        |     |
|                 | 1         | BI              | DRY CONTACT     |   |                         |                             |                                      |                          |             |        | AV2         |        |     |
|                 | 1         | AI              | 10K-AN-D8       |   |                         |                             |                                      |                          |             |        | AA2         |        |     |
|                 | 1         | AI              | CS-650-10       | AJ2   |                         |                             |                                      |                          |             |        |             |        |     |
|                 | 1         | AO              | BELIMO          | ME3   |                         |                             |                                      |                          |             |        |             |        |     |
|                 | 1         | RED5-MODULE-8XP | 3               | 155301OP1307  | FC-4.3                  | YRAB_RMzzz_FC4.3_CV_MOD     | COOLING VALVE MODULATION             | AO                       | BELIMO      | ME3    |             |        |     |
|                 | 1         |                 | 3               | 155301IP1308  | FC-4.3                  | YRAB_RMzzz_FC4.3_CV_FBK     | COOLING VALVE FEEDBACK               | AI                       | BELIMO      | DQ2    |             |        |     |
|                 | 1         |                 | RED5-MODULE-8XP | 4   | 155301OP1401            | FC-4.1                      | YRAB_RMzzz_FC4.1_HV_MOD              | HEATING VALVE MODULATION | AO          | BELIMO | ME3         |        |     |
|                 | 1         |                 |                 | 4   | 155301IP1402            | FC-4.1                      | YRAB_RMzzz_FC4.1_HV_FBK              | HEATING VALVE FEEDBACK   | AI          | BELIMO | DQ2         |        |     |
|                 | 1         |                 |                 | 4   | 155301OP1403            | FC-4.2                      | YRAB_RMzzz_FC4.2_HV_MOD              | HEATING VALVE MODULATION | AO          | BELIMO | ME3         |        |     |
|                 | 1         |                 |                 | 4   | 155301IP1404            | FC-4.2                      | YRAB_RMzzz_FC4.2_HV_FBK              | HEATING VALVE FEEDBACK   | AI          | BELIMO | DQ2         |        |     |
|                 | 1         |                 |                 | 4   | 155301OP1405            | FC-4.3                      | YRAB_RMzzz_FC4.3_HV_MOD              | HEATING VALVE MODULATION | AO          | BELIMO | ME3         |        |     |
| 1               | 4         | 155301IP1406    |                 | FC-4.3  | YRAB_RMzzz_FC4.3_HV_FBK | HEATING VALVE FEEDBACK      | AI                                   | BELIMO                   | DQ2         |        |             |        |     |
| 1               | 4         | 155301OP1407    |                 | ROOM CONTROL  | YRAB_RMzzz_BF4.1_ED     | BOOSTER FAN ENABLE/DISABLE  | BO                                   | G2RL                     | MC2         |        |             |        |     |
| 1               | 4         | 155301IP1408    | ROOM CONTROL    | YRAB_RMzzz_BF4.1_AMP  | SUPPLY FAN AMPERAGE     | AI                          | CS-650-10                            | AJ2                      |             |        |             |        |     |
| EZNS            | -         | -               | -               | 155301IP101001  | ROOM CONTROL            | YRAB_RMzzz_RMT              | ROOM TEMPERATURE                     | AI                       | EZNS-T100C  | CU4    |             |        |     |
|                 |           |                 | -               | 155301IP101004  | ROOM CONTROL            | YRAB_RMzzz_GAS_CO2          | ROOM CO2                             | AI                       |             |        |             |        |     |



PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-1  
 SYSTEM: FC-4.1, FC-4.2, FC-4.3  
 CONTROLLER: CP155301

TYPE 7A - TYP.1

| Type Controller | Expansion | Module          | Position | Wire Tag       | System       | Point Name                 | Description               | Type | Equipment | Detail |
|-----------------|-----------|-----------------|----------|----------------|--------------|----------------------------|---------------------------|------|-----------|--------|
| RED5-EXPAND-04  | 30        | RED5-MODULE-8XP | 31       | 155301OP303101 | ROOM CONTROL | YRAB_RMzzz_WF1_F4.1_HV_MOD | WALL FIN VALVE MODULATION | AO   | BELIMO    | ME3    |
|                 | 30        |                 | 31       | 155301IP303102 | ROOM CONTROL | YRAB_RMzzz_WF1_F4.1_HV_FBK | WALL FIN VALVE FEEDBACK   | AI   | BELIMO    | DQ2    |
|                 | 30        |                 | 31       | 155301OP303103 | ROOM CONTROL | YRAB_RMzzz_WF1_F4.2_HV_MOD | WALL FIN VALVE MODULATION | AO   | BELIMO    | ME3    |
|                 | 30        |                 | 31       | 155301IP303104 | ROOM CONTROL | YRAB_RMzzz_WF1_F4.2_FBK    | WALL FIN VALVE FEEDBACK   | AI   | BELIMO    | DQ2    |
|                 | 30        |                 | 31       | 155301OP303105 | ROOM CONTROL | YRAB_RMzzz_WF2_E4.1_HV_MOD | WALL FIN VALVE MODULATION | AO   | BELIMO    | ME3    |
|                 | 30        |                 | 31       | 155301IP303106 | ROOM CONTROL | YRAB_RMzzz_WF2_E4.1_HV_FBK | WALL FIN VALVE FEEDBACK   | AI   | BELIMO    | DQ2    |
|                 | 30        |                 | 31       | 155301OP303107 | ROOM CONTROL | YRAB_RMzzz_WF2_E4.2_HV_MOD | WALL FIN VALVE MODULATION | AO   | BELIMO    | ME3    |
|                 | 30        |                 | 31       | 155301IP303108 | ROOM CONTROL | YRAB_RMzzz_WF2_E4.2_FBK    | WALL FIN VALVE FEEDBACK   | AI   | BELIMO    | DQ2    |

PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.


2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

PROJECT: 2411-00450 - YRAB PHASE D RENOVATION  
 PANEL: ENCLO-L4-23  
 SYSTEM: FC-4.18, FC-4.19, FC-4.20  
 CONTROLLER: CP155323

TYPE 7B - TYP.1

| Type Controller | Expansion | Module          | Position     | Wire Tag   | System                   | Point Name                   | Description                          | Type             | Equipment   | Detail     |             |        |     |
|-----------------|-----------|-----------------|--------------|--|--------------------------|------------------------------|--------------------------------------|------------------|-------------|------------|-------------|--------|-----|
| RED5-EDGE-ROOM  | 1         | RED5-MODULE-8XP | 1            | 155323OP1101   | FC-4.18                  | YRAB_RMzzz_FC4.18_SF_SS      | SUPPLY FAN START/STOP                | BO               | G2RL        | MC2        |             |        |     |
|                 | 1         |                 | 1            | 155323OP1102   | FC-4.18                  | YRAB_RMzzz_FC4.18_SF_LOW_ED  | SUPPLY FAN LOW SPEED ENABLE/DISABLE  | BO               | G2RL        | MC2        |             |        |     |
|                 | 1         |                 | 1            | 155323OP1103   | FC-4.18                  | YRAB_RMzzz_FC4.18_SF_HIGH_ED | SUPPLY FAN HIGH SPEED ENABLE/DISABLE | BO               | G2RL        | MC2        |             |        |     |
|                 | 1         |                 | 1            | 155323IP1104   | FC-4.18                  | YRAB_RMzzz_FC4.18_LEAK       | WATER LEAK STATUS                    | BI               | DRY CONTACT | AV2        |             |        |     |
|                 | 1         |                 | 1            | 155323IP1105   | FC-4.18                  | YRAB_RMzzz_FC4.18_SAT        | SUPPLY AIR TEMPERATURE               | AI               | 10K-AN-D8   | AA2        |             |        |     |
|                 | 1         |                 | 1            | 155323IP1106   | FC-4.18                  | YRAB_RMzzz_FC4.18_SF_AMP     | SUPPLY FAN AMPERAGE                  | AI               | CS-650-10   | AJ2        |             |        |     |
|                 | 1         |                 | 1            | 155323OP1107   | FC-4.18                  | YRAB_RMzzz_FC4.18_CV_MOD     | COOLING VALVE MODULATION             | AO               | BELIMO      | ME3        |             |        |     |
|                 | 1         | RED5-MODULE-8XP | 1            | <p style="color: red; text-align: center;">PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.</p> <p style="color: red; text-align: center;">1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.</p> <p style="color: red; text-align: center;">2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.</p> |                          |                              |                                      |                  |             |            | AI          | BELIMO | DQ2 |
|                 | 1         |                 | BO           |  |                          |                              |                                      |                  |             |            | G2RL        | MC2    |     |
|                 | 1         |                 | BO           |  |                          |                              |                                      |                  |             |            | G2RL        | MC2    |     |
|                 | 1         |                 | BO           |  |                          |                              |                                      |                  |             |            | G2RL        | MC2    |     |
|                 | 1         |                 | BI           |  |                          |                              |                                      |                  |             |            | DRY CONTACT | AV2    |     |
|                 | 1         |                 | AI           |  |                          |                              |                                      |                  |             |            | 10K-AN-D8   | AA2    |     |
|                 | 1         |                 | AI           |  |                          |                              |                                      |                  |             |            | CS-650-10   | AJ2    |     |
|                 | 1         | RED5-MODULE-8XP | 1            | AO   | BELIMO                   | ME3                          |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | AI           | BELIMO   | DQ2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | BO           | G2RL   | MC2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | BO           | G2RL   | MC2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | BO           | G2RL   | MC2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | BI           | DRY CONTACT  | AV2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         |                 | AI           | 10K-AN-D8  | AA2                      |                              |                                      |                  |             |            |             |        |     |
|                 | 1         | AI              | CS-650-10    | AJ2  |                          |                              |                                      |                  |             |            |             |        |     |
|                 | 1         | 3               | 155323OP1307 | FC-4.20  | YRAB_RMzzz_FC4.20_CV_MOD | COOLING VALVE MODULATION     | AO                                   | BELIMO           | ME3         |            |             |        |     |
|                 | 1         | 3               | 155323IP1308 | FC-4.20  | YRAB_RMzzz_FC4.20_CV_FBK | COOLING VALVE FEEDBACK       | AI                                   | BELIMO           | DQ2         |            |             |        |     |
|                 | 1         | RED5-MODULE-8XP | 4            | 155323OP1401   | FC-4.18                  | YRAB_RMzzz_FC4.18_HV_MOD     | HEATING VALVE MODULATION             | AO               | BELIMO      | ME3        |             |        |     |
|                 | 1         |                 | 4            | 155323IP1402   | FC-4.18                  | YRAB_RMzzz_FC4.18_HV_FBK     | HEATING VALVE FEEDBACK               | AI               | BELIMO      | DQ2        |             |        |     |
|                 | 1         |                 | 4            | 155323OP1403   | FC-4.19                  | YRAB_RMzzz_FC4.19_HV_MOD     | HEATING VALVE MODULATION             | AO               | BELIMO      | ME3        |             |        |     |
|                 | 1         |                 | 4            | 155323IP1404   | FC-4.19                  | YRAB_RMzzz_FC4.19_HV_FBK     | HEATING VALVE FEEDBACK               | AI               | BELIMO      | DQ2        |             |        |     |
| 1               | 4         |                 | 155323OP1405 | FC-4.20  | YRAB_RMzzz_FC4.20_HV_MOD | HEATING VALVE MODULATION     | AO                                   | BELIMO           | ME3         |            |             |        |     |
| 1               | 4         |                 | 155323IP1406 | FC-4.20  | YRAB_RMzzz_FC4.20_HV_FBK | HEATING VALVE FEEDBACK       | AI                                   | BELIMO           | DQ2         |            |             |        |     |
| 1               | 4         |                 | 155323XP1407 |  |                          |                              |                                      |                  |             |            |             |        |     |
| 1               | 4         |                 | 155323XP1408 |  |                          |                              |                                      |                  |             |            |             |        |     |
| EZNS            | -         |                 | -            | -  | 155323IP101001           | ROOM CONTROL                 | YRAB_RMzzz_RMT                       | ROOM TEMPERATURE | AI          | EZNS-T100C | CU4         |        |     |
|                 |           | 155323IP101004  |              |  | ROOM CONTROL             | YRAB_RMzzz_GAS_CO2           | ROOM CO2                             | AI               |             |            |             |        |     |

# SECTION C EQUIPMENT LIST

|      |          |      |          |     |             |       |                             |   |   |   |                          |
|------|----------|------|----------|-----|-------------|-------|-----------------------------|---|---|---|--------------------------|
| -    | -        | -    | -        | -   | -           | -     | -                           | DESIGNER<br>A.YZZOGH                              |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771 |
| -    | -        | -    | -        | -   | -           | -     | PROJECT MANAGER<br>C.SOARES | NO: PROJECT<br>2411-00450                         |   |   |                          |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.                        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH          |   |   | PAGE:                    |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY                    | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7 | C-000   |   |                          |

VALVES LIST

| SYSTEM  | VALVE      |             |     |                 |            |            |          |             |      |      |            |               |     |               | ACTUATOR   |            |               |                     | ASSEMBLY            |
|---------|------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|-----|---------------|------------|------------|---------------|---------------------|---------------------|
|         | TAG        | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV  | CLIP POSITION | MODEL      | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG)    |                     |
| FC-1.1  | FC-1.1-CV  | COOLING     | 1   | 1               | 2.20       | 3.36       | B310     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.2 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B310+TR24-SR        |
| FC-1.10 | FC-1.10-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.11 | FC-1.11-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.12 | FC-1.12-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.13 | FC-1.13-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.14 | FC-1.14-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.15 | FC-1.15-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.16 | FC-1.16-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.17 | FC-1.17-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.18 | FC-1.18-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.19 | FC-1.19-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-1.2  | FC-1.2-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.20 | FC-1.20-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.21 | FC-1.21-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-1.22 | FC-1.22-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.23 | FC-1.23-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-1.24 | FC-1.24-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.25 | FC-1.25-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.26 | FC-1.26-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.27 | FC-1.27-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-1.28 | FC-1.28-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-1.29 | FC-1.29-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.3  | FC-1.3-CV  | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.30 | FC-1.30-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-1.31 | FC-1.31-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |

PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

VALVES LIST

| SYSTEM  | VALVE      |             |     |                 |            |            |          |             |      |      |            |               |     |               | ACTUATOR   |            |               |                     | ASSEMBLY            |
|---------|------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|-----|---------------|------------|------------|---------------|---------------------|---------------------|
|         | TAG        | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV  | CLIP POSITION | MODEL      | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG)    |                     |
| FC-1.32 | FC-1.32-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.33 | FC-1.33-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.34 | FC-1.34-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.35 | FC-1.35-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-1.36 | FC-1.36-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-1.37 | FC-1.37-CV | COOLING     | 1   | 1               | 2.20       | 3.36       | B310     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.2 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B310+TR24-SR        |
| FC-1.38 | FC-1.38-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.39 | FC-1.39-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.4  | FC-1.4-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.40 | FC-1.40-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-1.41 | FC-1.41-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-1.5  | FC-1.5-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.6  | FC-1.6-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.7  | FC-1.7-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.8  | FC-1.8-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-1.9  | FC-1.9-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-2.1  | FC-2.1-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     | NG            |            | N/A        | 200           | B311+TR24-SR        |                     |
| FC-2.10 | FC-2.10-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.11 | FC-2.11-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.12 | FC-2.12-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.13 | FC-2.13-CV | COOLING     | 1   | 1               | 2.80       | 2.17       | B311     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.9 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B311+TR24-SR        |
| FC-2.14 | FC-2.14-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.15 | FC-2.15-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.16 | FC-2.16-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-2.17 | FC-2.17-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-2.18 | FC-2.18-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-2.19 | FC-2.19-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |

PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

VALVES LIST

| SYSTEM  | VALVE      |             |     |                 |            |            |          |             |      |      |            |               |     |               | ACTUATOR   |            |               |                  | ASSEMBLY            |
|---------|------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|-----|---------------|------------|------------|---------------|------------------|---------------------|
|         | TAG        | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV  | CLIP POSITION | MODEL      | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG) |                     |
| FC-2.2  | FC-2.2-CV  | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.20 | FC-2.20-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-2.21 | FC-2.21-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.22 | FC-2.22-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-2.23 | FC-2.23-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.24 | FC-2.24-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-2.25 | FC-2.25-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.3  | FC-2.3-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.4  | FC-2.4-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.5  | FC-2.5-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.6  | FC-2.6-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.7  | FC-2.7-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.8  | FC-2.8-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-2.9  | FC-2.9-CV  | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.10 | FC-3.10-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.11 | FC-3.11-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.12 | FC-3.12-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               |            | NG         | N/A           | 200              | B310+TR24-SR        |
| FC-3.19 | FC-3.19-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.20 | FC-3.20-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.21 | FC-3.21-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.22 | FC-3.22-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-3.23 | FC-3.23-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-3.24 | FC-3.24-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-F+CQB24-SR-R |
| FC-3.4  | FC-3.4-CV  | COOLING     | 1   | 1               | 2.80       | 2.17       | B311     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.9 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200              | B311+TR24-SR        |
| FC-3.5  | FC-3.5-CV  | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.6  | FC-3.6-CV  | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |
| FC-3.7  | FC-3.7-CV  | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75               | Z2050Q-J+CQB24-SR-R |

**PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

VALVES LIST

| SYSTEM  | VALVE      |             |     |                 |            |            |          |             |      |      |            |               |     |               | ACTUATOR   |            |               |                     | ASSEMBLY            |
|---------|------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|-----|---------------|------------|------------|---------------|---------------------|---------------------|
|         | TAG        | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV  | CLIP POSITION | MODEL      | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG)    |                     |
| FC-3.8  | FC-3.8-CV  | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-3.9  | FC-3.9-CV  | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.1  | FC-4.1-CV  | COOLING     | 1   | 1               | 2.80       | 2.17       | B311     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.9 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B311+TR24-SR        |
| FC-4.1  | FC-4.1-HV  | HEATING     | 1   | 1               | 1.10       | 1.89       | B309     | 3 WAY / CCV | X    |      | 1/2        | -             | 0.8 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B309+TR24-SR        |
| FC-4.10 | FC-4.10-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.10 | FC-4.10-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.11 | FC-4.11-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.11 | FC-4.11-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.12 | FC-4.12-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.12 | FC-4.12-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.13 | FC-4.13-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.13 | FC-4.13-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.14 | FC-4.14-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.14 | FC-4.14-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.15 | FC-4.15-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 200           | B311+TR24-SR        |                     |
| FC-4.15 | FC-4.15-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 200           | B309+TR24-SR        |                     |
| FC-4.16 | FC-4.16-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.16 | FC-4.16-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.17 | FC-4.17-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.17 | FC-4.17-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.18 | FC-4.18-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.18 | FC-4.18-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.19 | FC-4.19-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.19 | FC-4.19-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.2  | FC-4.2-CV  | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.2  | FC-4.2-HV  | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.20 | FC-4.20-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |

**PLEASE UPDATE THE POINTS LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

VALVES LIST

| SYSTEM  | VALVE      |             |     |                 |            |            |          |             |      |      |            |               |     |               | ACTUATOR   |            |               |                     | ASSEMBLY            |
|---------|------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|-----|---------------|------------|------------|---------------|---------------------|---------------------|
|         | TAG        | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV  | CLIP POSITION | MODEL      | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG)    |                     |
| FC-4.20 | FC-4.20-HV | HEATING     | 1   | 1               | 1.10       | 1.89       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 0.8           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.21 | FC-4.21-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.21 | FC-4.21-HV | HEATING     | 1   | 1               | 1.10       | 1.89       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 0.8           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.22 | FC-4.22-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-4.22 | FC-4.22-HV | HEATING     | 1   | 1               | 1.10       | 1.89       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 0.8           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.23 | FC-4.23-CV | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R |
| FC-4.23 | FC-4.23-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.24 | FC-4.24-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                     |
| FC-4.24 | FC-4.24-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.25 | FC-4.25-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-4.25 | FC-4.25-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.26 | FC-4.26-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-4.26 | FC-4.26-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.27 | FC-4.27-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-4.27 | FC-4.27-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.28 | FC-4.28-CV | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                     |
| FC-4.28 | FC-4.28-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |     |               | NG         | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                     |
| FC-4.29 | FC-4.29-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.29 | FC-4.29-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.3  | FC-4.3-CV  | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.3  | FC-4.3-HV  | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.30 | FC-4.30-CV | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.30 | FC-4.30-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.31 | FC-4.31-CV | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -   | NO CLIP       | CQB24-SR-R | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R |
| FC-4.31 | FC-4.31-HV | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -   | NO CLIP       | CQB24-SR-L | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L |
| FC-4.32 | FC-4.32-CV | COOLING     | 1   | 1               | 2.80       | 2.17       | B311     | 3 WAY / CCV |      | X    | 1/2        | -             | 1.9 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B311+TR24-SR        |
| FC-4.32 | FC-4.32-HV | HEATING     | 1   | 1               | 1.40       | 3.06       | B309     | 3 WAY / CCV | X    |      | 1/2        | -             | 0.8 | NO CLIP       | TR24-SR    | MODULATING | N/A           | 200                 | B309+TR24-SR        |

**PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**



VALVES LIST

| SYSTEM    | VALVE        |             |     |                 |            |            |          |             |      |      |            |               |    |               | ACTUATOR     |            |               |                     | ASSEMBLY              |
|-----------|--------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|----|---------------|--------------|------------|---------------|---------------------|-----------------------|
|           | TAG          | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV | CLIP POSITION | MODEL        | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG)    |                       |
| FC-4.33   | FC-4.33-CV   | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -  | NO CLIP       | CQB24-SR-R   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R   |
| FC-4.33   | FC-4.33-HV   | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| FC-4.34   | FC-4.34-CV   | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -  | NO CLIP       | CQB24-SR-R   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R   |
| FC-4.34   | FC-4.34-HV   | HEATING     | 1   | 1               | 1.10       | 1.89       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 0.8           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| FC-4.35   | FC-4.35-CV   | COOLING     | 1   | 1               | 1.30       | 2.09       | Z2050Q-F | 2 WAY / QCV |      | X    | 1/2        | 0.9           | -  | NO CLIP       | CQB24-SR-R   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-R   |
| FC-4.35   | FC-4.35-HV   | HEATING     | 1   | 1               | 1.10       | 1.89       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 0.8           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| FC-4.36   | FC-4.36-CV   | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-F+CQB24-SR-R |                       |
| FC-4.36   | FC-4.36-HV   | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                       |
| FC-4.37   | FC-4.37-CV   | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 200           | B310+TR24-SR        |                       |
| FC-4.37   | FC-4.37-HV   | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 200           | B309+TR24-SR        |                       |
| FC-4.4    | FC-4.4-CV    | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                       |
| FC-4.4    | FC-4.4-HV    | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                       |
| FC-4.5    | FC-4.5-CV    | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                       |
| FC-4.5    | FC-4.5-HV    | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                       |
| FC-4.6    | FC-4.6-CV    | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                       |
| FC-4.6    | FC-4.6-HV    | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-F+CQB24-SR-L |                       |
| FC-4.7    | FC-4.7-CV    | COOLING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               | NG           | N/A        | 75            | Z2050Q-J+CQB24-SR-R |                       |
| FC-4.7    | FC-4.7-HV    | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| FC-4.8    | FC-4.8-CV    | COOLING     | 1   | 1               | 2.20       | 2.15       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 1.5           | -  | NO CLIP       | CQB24-SR-R   | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R   |
| FC-4.8    | FC-4.8-HV    | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| FC-4.9    | FC-4.9-CV    | COOLING     | 1   | 1               | 2.80       | 1.96       | Z2050Q-J | 2 WAY / QCV |      | X    | 1/2        | 2.0           | -  | NO CLIP       | CQB24-SR-R   | MODULATING | N/A           | 75                  | Z2050Q-J+CQB24-SR-R   |
| FC-4.9    | FC-4.9-HV    | HEATING     | 1   | 1               | 1.40       | 1.96       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.0           | -  | NO CLIP       | CQB24-SR-L   | MODULATING | N/A           | 75                  | Z2050Q-F+CQB24-SR-L   |
| WF-1-B1.3 | WF-1-B1.3-HV | HEATING     | 1   | 1               | 3.00       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.0           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75                  | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B1.4 | WF-1-B1.4-HV | HEATING     | 1   | 1               | 3.00       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.0           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75                  | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B1.5 | WF-1-B1.5-HV | HEATING     | 1   | 1               | 3.50       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.5           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75                  | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B1.6 | WF-1-B1.6-HV | HEATING     | 1   | 1               | 3.50       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.5           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75                  | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B1.7 | WF-1-B1.7-HV | HEATING     | 1   | 1               | 3.00       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.0           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75                  | Z2050Q-J+CQKB24-SR-LL |

**PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

VALVES LIST

| SYSTEM     | VALVE         |             |     |                 |            |            |          |             |      |      |            |               |    |               | ACTUATOR     |            |               |                  | ASSEMBLY              |
|------------|---------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|----|---------------|--------------|------------|---------------|------------------|-----------------------|
|            | TAG           | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV | CLIP POSITION | MODEL        | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG) |                       |
| WF-1-B1.8  | WF-1-B1.8-HV  | HEATING     | 1   | 1               | 3.00       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 3.0           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B2.2  | WF-1-B2.2-HV  | HEATING     | 1   | 1               | 2.40       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 2.4           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B2.5  | WF-1-B2.5-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B2.6  | WF-1-B2.6-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-B3.1  | WF-1-B3.1-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-D3.1  | WF-1-D3.1-HV  | HEATING     | 1   | 1               | 2.40       | 1.00       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 2.4           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.1  | WF-1-F4.1-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.2  | WF-1-F4.2-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.3  | WF-1-F4.3-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.4  | WF-1-F4.4-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.5  | WF-1-F4.5-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.6  | WF-1-F4.6-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-F4.7  | WF-1-F4.7-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-1-G4.3  | WF-1-G4.3-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-A1.1  | WF-2-A1.1-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-A2.1  | WF-2-A2.1-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-B1.1  | WF-2-B1.1-HV  | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B1.2  | WF-2-B1.2-HV  | HEATING     | 1   | 1               | 1.75       | 0.95       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.8           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.1  | WF-2-B2.1-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.10 | WF-2-B2.10-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.11 | WF-2-B2.11-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.12 | WF-2-B2.12-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.3  | WF-2-B2.3-HV  | HEATING     | 1   | 1               | 1.27       | 0.95       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.3           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-B2.4  | WF-2-B2.4-HV  | HEATING     | 1   | 1               | 2.22       | 1.02       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 2.2           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.7  | WF-2-B2.7-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.8  | WF-2-B2.8-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B2.9  | WF-2-B2.9-HV  | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |

PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.

1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.

2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.

VALVES LIST


| SYSTEM    | VALVE        |             |     |                 |            |            |          |             |      |      |            |               |    |               | ACTUATOR     |            |               |                  | ASSEMBLY              |
|-----------|--------------|-------------|-----|-----------------|------------|------------|----------|-------------|------|------|------------|---------------|----|---------------|--------------|------------|---------------|------------------|-----------------------|
|           | TAG          | APPLICATION | QTY | LINE SIZE (In.) | FLOW (GPM) | WPD (PSIG) | MODEL    | TYPE        | N.O. | N.C. | SIZE (In.) | PROGRAMMED CV | CV | CLIP POSITION | MODEL        | TYPE       | SPRING RETURN | CLOSE-OFF (PSIG) |                       |
| WF-2-B3.2 | WF-2-B3.2-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B3.3 | WF-2-B3.3-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B3.4 | WF-2-B3.4-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B3.5 | WF-2-B3.5-HV | HEATING     | 1   | 1               | 1.75       | 1.06       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 1.7           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-B3.6 | WF-2-B3.6-HV | HEATING     | 1   | 1               | 2.22       | 1.02       | Z2050Q-J | 2 WAY / QCV | X    |      | 1/2        | 2.2           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-C1.1 | WF-2-C1.1-HV | HEATING     | 1   | 1               | 1.27       | 0.95       | Z2050Q-F | 2 WAY / QCV | X    |      | 1/2        | 1.3           | -  | NO CLIP       | CQKB24-SR-LL | MODULATING | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-C2.1 | WF-2-C2.1-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-C3.1 | WF-2-C3.1-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |
| WF-2-E4.1 | WF-2-E4.1-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-F4.8 | WF-2-F4.8-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-G4.1 | WF-2-G4.1-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-F+CQKB24-SR-LL |
| WF-2-G4.2 | WF-2-G4.2-HV | HEATING     | 1   | 1               |            |            |          |             |      |      |            |               |    |               |              | NG         | YES           | 75               | Z2050Q-J+CQKB24-SR-LL |

**PLEASE UPDATE THE LIST TO REFLECT THE REVISIONS AS LISTED BELOW. REVISED SHOP DRAWINGS SHALL BE INCLUDED ON THE CLOSE-OUT DOCUMENTS.**

**1. QUANTITY OF CONTROLLER, SENSOR AND THERMOSTATS HAVE BEEN REVISED. PLEASE REFER TO ATTACHED M-500 CONTROL DRAWINGS.**

**2. FOR FAN COIL UNIT NOMENCLATURE, PLEASE REFER TO ATTACHED SI-M-1R2 AS PER YORK REGION'S DIRECTIONS.**

# SECTION D SEQUENCE OF OPERATIONS

|      |          |      |          |     |             |       |                             |   |   |   |                          |
|------|----------|------|----------|-----|-------------|-------|-----------------------------|---|---|---|--------------------------|
| -    | -        | -    | -        | -   | -           | -     | -                           | DESIGNER<br>A.YZZOGH                              |  | <b>PROJECT</b><br><br><b>YRAB</b><br>PHASE D RENOVATION | NO: BUILDING<br>B-001771 |
| -    | -        | -    | -        | -   | -           | -     | PROJECT MANAGER<br>C.SOARES | NO: PROJECT<br>2411-00450                         |   |   |                          |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.                        | INTERNAL VERIFICATION<br>J.ASSELIN SMITH          |   |   | PAGE:                    |
| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY                    | 3510 PHARMACY AVE, UNIT 8<br>TORONTO, ON, M1W 2T7 | D-000   |   |                          |

SEQUENCE OF OPERATION

## FAN COIL UNITS

### COOLING/ HEATING, AND PERIMETER HEATING

1. THE FAN COILS OPERATE BY MODULATING THE HEATING OR COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM OWNER:
  - a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATE FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. IF THE ZONE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 16°C (ADJUSTABLE), THE PERIMETER HEATING CONTROL VALVE IS FULLY MODULATED OPEN TO RAISE THE ZONE TEMPERATURE UNTIL THE ZONE TEMPERATURE IS AT LEAST 1°C ABOVE THE UNOCCUPIED HEATING SET POINT. THE FAN COIL FAN REMAINS OFF.
  - b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND HEATING AND COOLING VALVE ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE). THE HEATING AND COOLING VALVES ARE SEQUENCE TO PREVENT HEATING AND COOLING AT THE SAME TIME.
  - c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)
2. SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.
3. IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.
4. SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.
5. CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.
6. SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

### THERMOSTAT MANUAL CONTROL OPERATION ("ON" & "OFF" BUTTONS):

- A. "ON" BUTTON: PRESS ONCE, ACTIVATES LIGHTING & FAN COIL UNIT. FAN COIL UNIT WILL OPERATE IN OCCUPIED STATE, AND WILL CONDITION SPACE AT OCCUPIED SPACE TEMPERATURE SET FOR 1 HOUR WITHIN THE CORRESPONDING ZONE.

- B. "ON" BUTTON: PRESS AGAIN WITHIN THE 1 HOUR TIME FRAME, RESETS THE 1 HOUR COUNTDOWN FOR THE CORRESPONDING ZONE.
- C. "OFF" BUTTON: PRESS ONCE, REVERTS FAN COIL UNIT BACK TO UNOCCUPIED STATE MODE AND MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET. TURNS LIGHTING OFF AFTER 30 SECONDS.

### COOLING/ HEATING, CO2 SENSOR, AND PERIMETER HEATING

1. THE FAN COILS OPERATE BY MODULATING THE HEATING OR COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM OWNER:
  - a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATE FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. IF THE ZONE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 16°C (ADJUSTABLE), THE PERIMETER HEATING CONTROL VALVE IS FULLY MODULATED OPEN TO RAISE THE ZONE TEMPERATURE UNTIL THE ZONE TEMPERATURE IS AT LEAST 1°C ABOVE THE UNOCCUPIED HEATING SET POINT. THE FAN COIL FAN REMAINS OFF.
  - b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND HEATING AND COOLING VALVE ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE). THE HEATING AND COOLING VALVES ARE SEQUENCE TO PREVENT HEATING AND COOLING AT THE SAME TIME.
  - c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)
2. THE CO2 SENSOR (REFER TO DRAWINGS FOR CO2 SENSOR LOCATIONS AND QUANTITY) SENDS A SIGNAL TO THE BMS AND THE DATA IS TRENDED.
3. SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.
4. IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.
5. SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.
6. CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.
7. SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

SEQUENCE OF OPERATION

THERMOSTAT MANUAL CONTROL OPERATION ("ON" & "OFF" BUTTONS):

- A. "ON" BUTTON: PRESS ONCE, ACTIVATES LIGHTING & FAN COIL UNIT. FAN COIL UNIT WILL OPERATE IN OCCUPIED STATE, AND WILL CONDITION SPACE AT OCCUPIED SPACE TEMPERATURE SET FOR 1 HOUR WITHIN THE CORRESPONDING ZONE.
- B. "ON" BUTTON: PRESS AGAIN WITHIN THE 1 HOUR TIME FRAME, RESETS THE 1 HOUR COUNTDOWN FOR THE CORRESPONDING ZONE.
- C. "OFF" BUTTON: PRESS ONCE, REVERTS FAN COIL UNIT BACK TO UNOCCUPIED STATE MODE AND MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET. TURNS LIGHTING OFF AFTER 30 SECONDS.

**COOLING/ HEATING**

1. THE FAN COILS OPERATE BY MODULATING THE HEATING AND COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM OWNER:
  - a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATED FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED.
  - b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND THE HEATING AND COOLING VALVES ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE).
  - c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)
2. SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.
3. IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.
4. SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.
5. CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.
6. SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

THERMOSTAT MANUAL CONTROL OPERATION ("ON" & "OFF" BUTTONS):

- A. "ON" BUTTON: PRESS ONCE, ACTIVATES LIGHTING & FAN COIL UNIT. FAN COIL UNIT WILL OPERATE IN OCCUPIED STATE, AND WILL CONDITION SPACE AT OCCUPIED SPACE TEMPERATURE SET FOR 1 HOUR WITHIN THE CORRESPONDING ZONE.
- B. "ON" BUTTON: PRESS AGAIN WITHIN THE 1 HOUR TIME FRAME, RESETS THE 1 HOUR COUNTDOWN FOR THE CORRESPONDING ZONE.
- C. "OFF" BUTTON: PRESS ONCE, REVERTS FAN COIL UNIT BACK TO UNOCCUPIED STATE MODE AND MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET. TURNS LIGHTING OFF AFTER 30 SECONDS.

**COOLING/ HEATING & CO2 SENSOR**

1. THE FAN COILS OPERATE BY MODULATING THE HEATING AND COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM OWNER:
  - a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATED FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED.
  - b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND THE HEATING AND COOLING VALVES ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE).
  - c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)
2. THE CO2 SENSOR (REFER TO DRAWINGS FOR CO2 SENSOR LOCATIONS AND QUANTITY) SENDS A SIGNAL TO THE BMS AND THE DATA IS TRENDED.
3. SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.
4. IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.
5. SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.
6. CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.
7. SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

THERMOSTAT MANUAL CONTROL OPERATION ("ON" & "OFF" BUTTONS):

- A. "ON" BUTTON: PRESS ONCE, ACTIVATES LIGHTING & FAN COIL UNIT. FAN COIL UNIT WILL OPERATE IN OCCUPIED STATE, AND WILL CONDITION SPACE AT OCCUPIED SPACE TEMPERATURE SET FOR 1 HOUR WITHIN THE CORRESPONDING ZONE.
- B. "ON" BUTTON: PRESS AGAIN WITHIN THE 1 HOUR TIME FRAME, RESETS THE 1 HOUR COUNTDOWN FOR THE CORRESPONDING ZONE.
- C. "OFF" BUTTON: PRESS ONCE, REVERTS FAN COIL UNIT BACK TO UNOCCUPIED STATE MODE AND MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET. TURNS LIGHTING OFF AFTER 30 SECONDS.

AS PER PLANS AND SPECS

# SECTION E CONNECTION DETAILS

| CODE | REVISION | DATE | DRAWN BY | No. | DESCRIPTION | DATE  | DRAWN BY |
|------|----------|------|----------|-----|-------------|-------|----------|
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | -   | -           | -     | -        |
| -    | -        | -    | -        | 0   | APPROVAL    | 02-25 | A.Y.     |

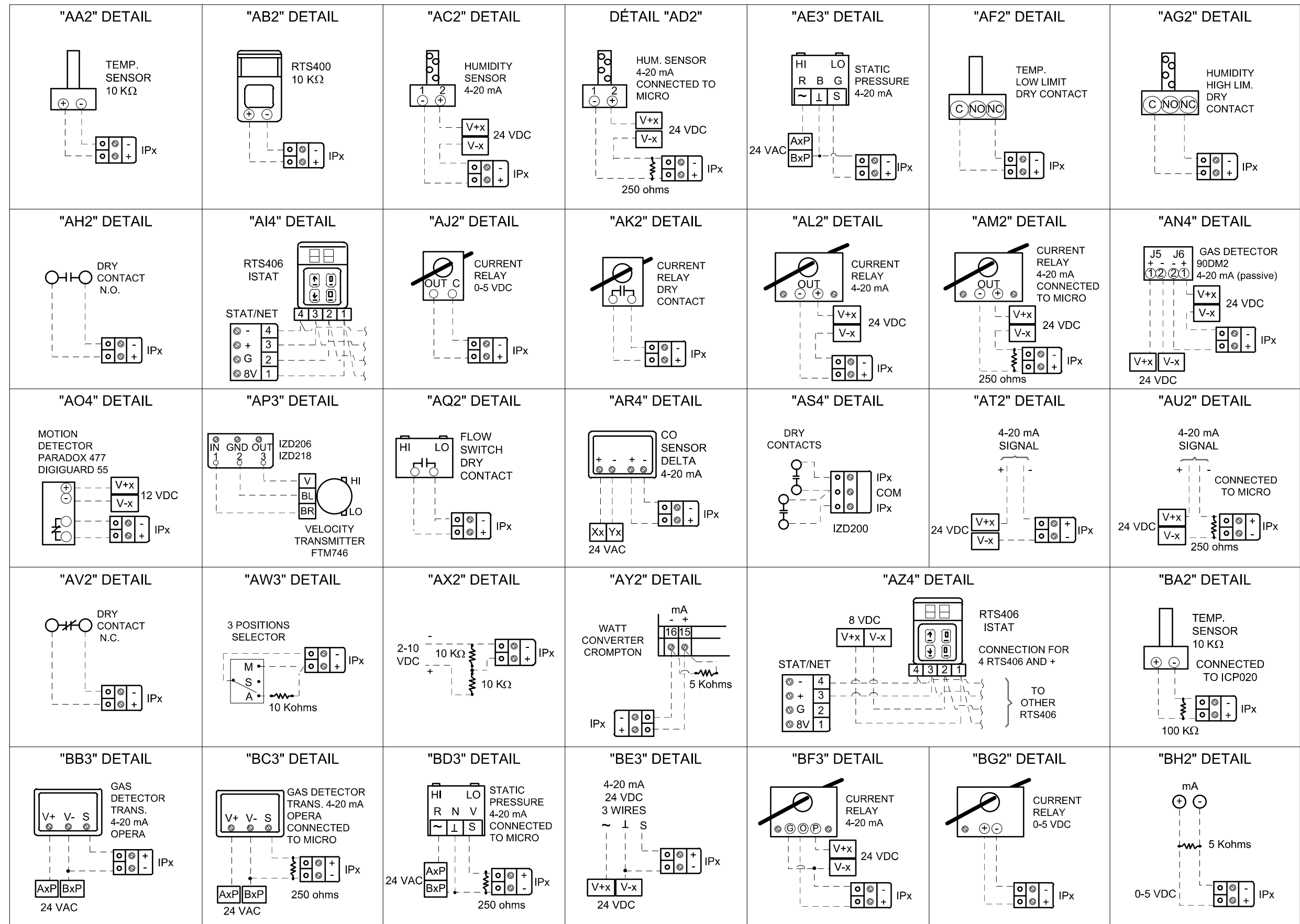
DESIGNER  
A.YZZOGH  
PROJECT MANAGER  
C.SOARES  
INTERNAL VERIFICATION  
J.ASSELIN SMITH

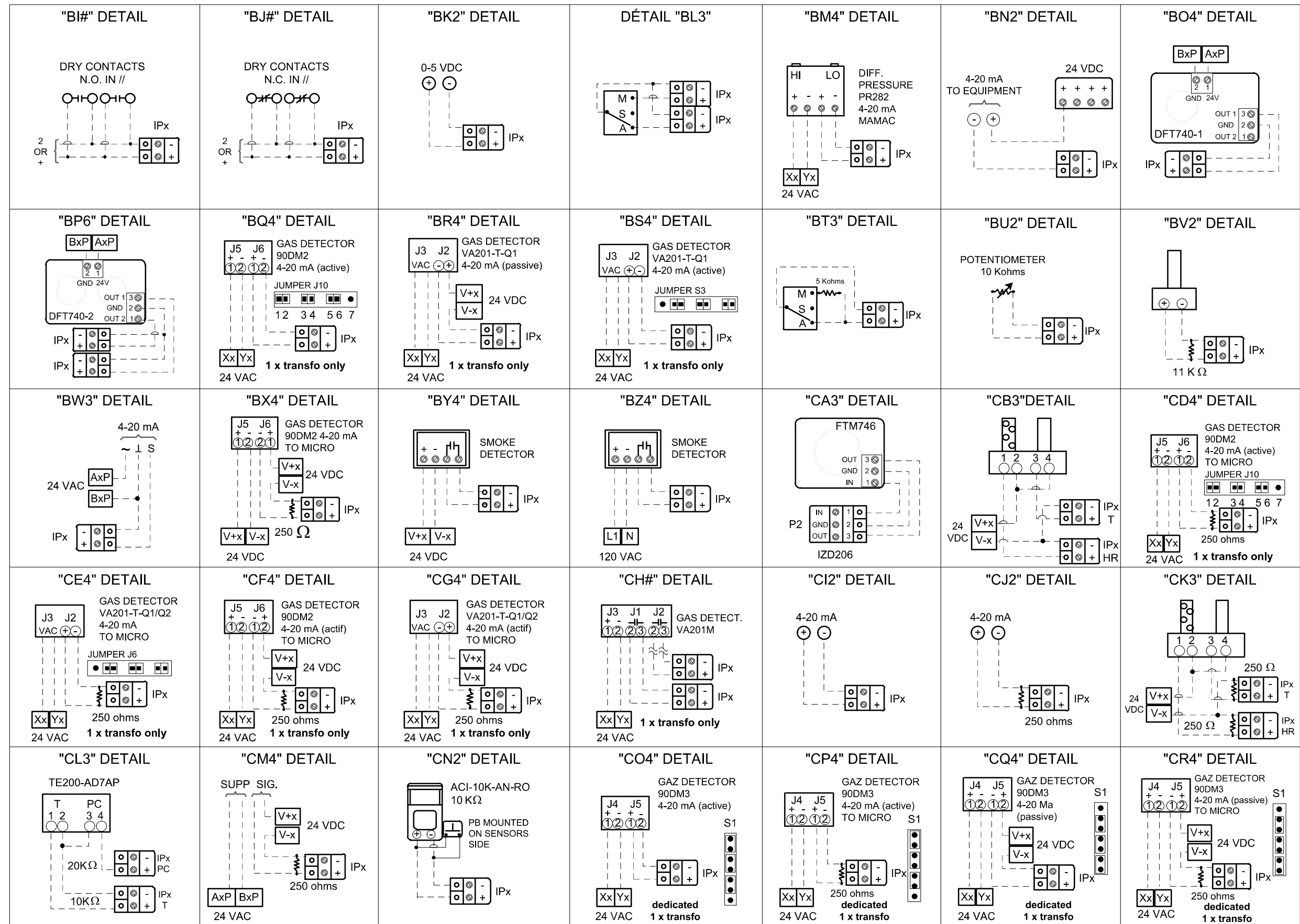


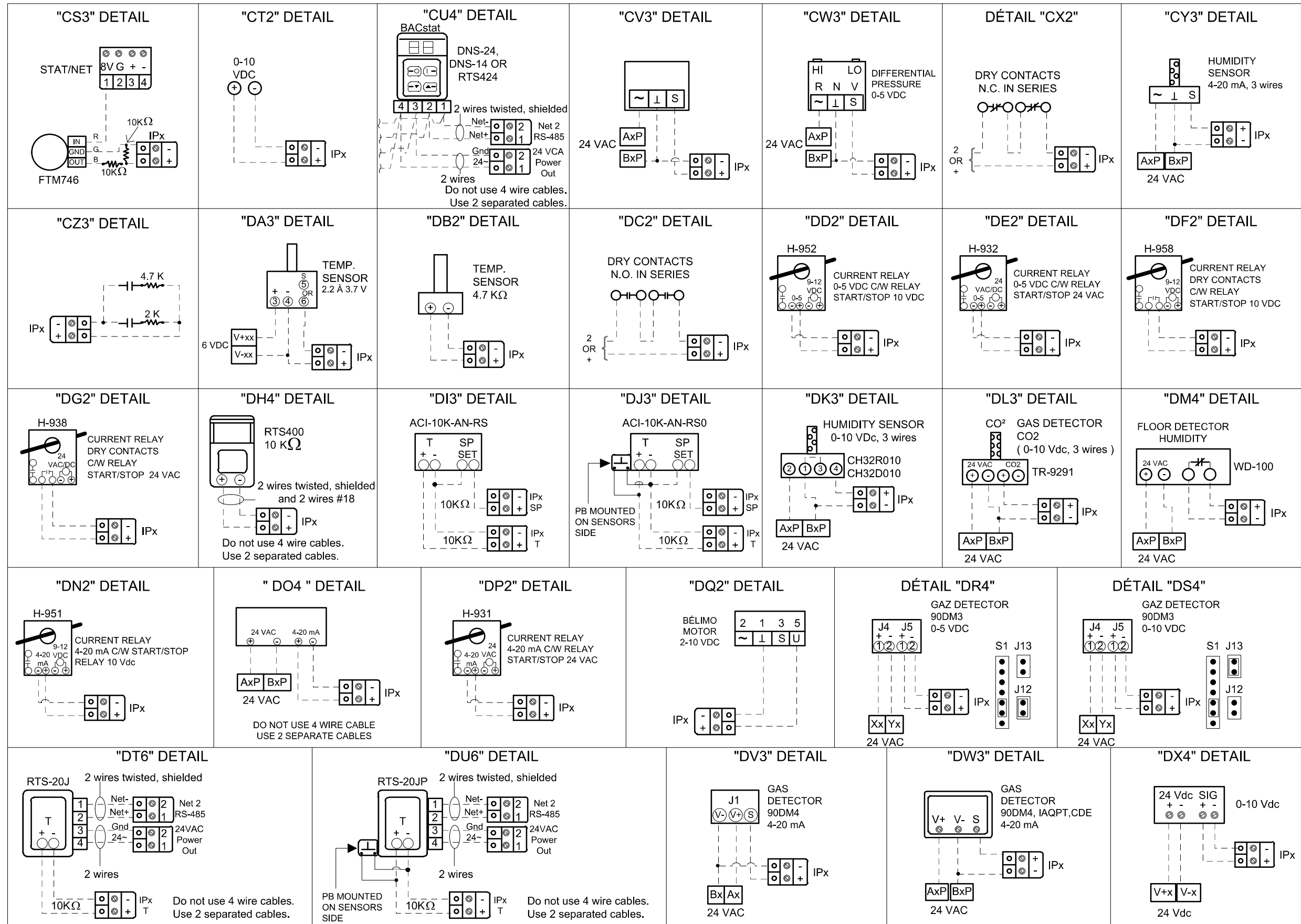
**PROJECT**  
**YRAB**  
PHASE D RENOVATION

NO: BUILDING  
B-001771  
NO: PROJECT  
2411-00450  
PAGE:  
E-000









|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <p>DÉTAIL "DY3"</p> <p>24 VAC</p> <p>DIFFERENTIAL PRESSURE 0-10 VDC</p> <p>IPx</p> |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

