

LEGEND

FIXTURE TYPE "A1"

15A, 125V SINGLE POLE SWITCH, S₁ (3-WAY), S₂ (4-WAY), S₃ (KEY OPERATED), S₄ (DIMMER), S₅ (C/W FLUO LIGHT), S₆ (LOW VOLTAGE), S₇ (TIMER), S₈ (OCCUPANCY SENSOR SWITCH), S₉ (GANGED SWITCHES)

\$u1

DIGITAL ONE BUTTON LIGHT SWITCH, WATT STOPPER LMSW-101

\$u1:

DIGITAL TWO BUTTONS LIGHT SWITCH, WATT STOPPER LMSW-102

\$u3:

DIGITAL THREE BUTTONS LIGHT SWITCH, WATT STOPPER LMSW-103

\$u4

DIGITAL FOUR BUTTONS LIGHT SWITCH, WATT STOPPER LMSW-104

\$u0

DIGITAL DIMMING WALL SWITCH LIGHT, WATT STOPPER LMDM-101.

ELECTRIC HEATING EQUIPMENT

ELECTRICAL PANEL

NON-FUSED DISCONNECT SWITCH

WEATHERPROOF DISCONNECT SWITCH

TELEVISION OUTLET C/W 21MM CONDUIT.

TELEPHONE OUTLET C/W 21MM CONDUIT.

INTERCOM UNIT OUTLET C/W 21MM CONDUIT.

TELEPHONE OUTLET MOUNTED AT 1500MM A.F.F C/W 21MM CONDUIT.

TELEPHONE/DATA OUTLET C/W 21MM CONDUIT.

DATA OUTLET C/W 21MM CONDUIT.

WIRELESS ACCESS POINT C/W 21MM CONDUIT.

LOCAL SOUND SYSTEM SPEAKER C/W 16MM CONDUIT TO LOCAL SOUND SYSTEM.

MICROPHONE OUTLET C/W 16MM CONDUIT.

DOOR OPERATOR

PUSH BUTTON (OVERHEAD DOOR)

DOOR BELL BUZZER

DOOR BELL PUSH BUTTON

SMOKE DETECTOR – AREA TYPE

HEAT DETECTOR – FIX TEMPERATURE 57°C

FIRE ALARM BELL (150mm DIAMETER UNLESS OTHERWISE NOTED)

FIRE ALARM HORN/STORBE

FIRE ALARM PULLSTATION

FIRE ALARM CONTROL PANEL

FIRE ALARM ANNUNCIATOR PANEL

ELECTRICALLY SUPERVISED VALVE

FLOW SWITCH

ELECTRIC HEATING EQUIPMENT

SURFACE OR RECESS MOUNTED LIGHTING FIXTURE. LETTER DENOTES TYPE

LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT

SURFACE OR RECESS MOUNTED LIGHTING FIXTURE. LETTER DENOTES TYPE

DIRECT HARDWIRE CONNECTION

JUNCTION BOX

WALL MOUNTED LIGHTING FIXTURE. LETTER DENOTES TYPE

OCCUPANCY SENSOR

EMERGENCY LIGHTING FIXTURE

EXIT SIGN

BATTERY

EMERGENCY LIGHTING FIXTURE AND BATTERY

EMERGENCY LIGHTING FIXTURE, BATTERY AND EXIT SIGN

SECURITY MOTION SENSOR

ABOVE COUNTER

ABOVE FINISHED FLOOR

FIRE ALARM ANNUNCIATOR

BASEBOARD HEATER

OGRCUT BREAKER

EXISTING TO BE RELOCATED

EXISTING TO REMAIN

FORCED-AIR HEATER

EQUIPMENT SO NOTED TO BE SUPPLIED WITH GROUND FAULT CIRCUIT INTERRUPT

JUNCTION BOX

RELAY WITH AUXILIARY CONTACTS

UNIT HEATER

WALL MOUNT – VERIFY HEIGHT

EQUIPMENT SO NOTED TO BE SUPPLIED WITH THE MANUFACTURER'S WEATHER-PROOF OPTION(S)

MOTORIZED DAMPER

CEILING MOUNTED SPEAKER

MOTOR CONNECTION (SINGLE OR THREE PHASE)

CEILING FAN SPEED CONTROLLER

WALL MOUNTED SPEAKER

VOLUME CONTROL

FIXED AXIS WIDE ANGLE CAMERA

RADIO ANTENNA OUTLET C/W 21MM CONDUIT.

OUTLET FOR SECURITY DOOR STRIKE

OUTLET FOR SECURITY DOOR CONTACT

FLOOR MOUNTED DATA/TEL OUTLET

OUTLET FOR SECURITY CARD READER

OUTLET FOR SECURITY ARM/DISARM KEY PAD

OUTLET FOR SECURITY GLASS BREAK SENSOR

OUTLET FOR SECURITY MOTION SENSOR

OUTLET FOR SECURITY SIREN/ALARM HORN

OUTLET FOR CLOSED CIRCUIT TV SECURITY CAMERA

OUTLET FOR A/V MICROPHONE.

EMERGENCY PUSH BUTTON FOR GAS SOLENOID VALVE

120V SELF POWERED SMOKE ALARM C/W BATTERY BACK UP, MORE THAN ONE SMOKE ALARM SHALL BE INTERWIRED. EDWARDS # E55017B.

SMOKE & CARBON MONOXIDE ALARM BY KIDDE OR APPROVED EQUIVALENT. (120V)

MICROPHONE OUTLET C/W 16MM CONDUIT

CEILING MOUNT DUAL TECH OCCUPANCY SENSOR, WATT STOPPER LMDC-100.

CEILING MOUNT PIR OCCUPANCY SENSOR, WATT STOPPER LMPC-100.

CEILING MOUNT ULTRA SONIC OCCUPANCY SENSOR, WATT STOPPER LMUC-100.

WALL CORNER MOUNT DUAL TECH OCCUPANCY SENSOR, WATT STOPPER LMDX-100.

WALL MOUNT DUAL TECH OCCUPANCY SENSOR, WATT STOPPER LMDX-102.

WALL MOUNT PIR OCCUPANCY SENSOR, WATT STOPPER PW-100

DIGITAL ROOM CONTROLLER WITH SINGLE RELAY, WATT STOPPER LMRC-101

DIGITAL ROOM CONTROLLER WITH TWO RELAYS, WATT STOPPER LMRC-102

DIGITAL UNIVERSAL DIMMING ROOM CONTROLLER WITH ONE RELAYS, WATT STOPPER LMRC-220

DIGITAL UNIVERSAL DIMMING ROOM CONTROLLER WITH TWO RELAYS, WATT STOPPER LMRC-222

GAS SOLENOID VALVE

HAND DRYER

15A, 120V DUPLEX RECEPTACLE.

15A, 120V HALF SWITCHED DUPLEX RECEPTACLE.

15A, 120V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.

20A, 120V 1-SLOT DUPLEX RECEPTACLE.

15A, 120V ISOLATED GROUND DUPLEX RECEPTACLE WITH SEPARATE NEUTRAL & GROUND WIRE CIRCUIT.

15A, 120V ISOLATED GROUND DUPLEX RECEPTACLE WITH SEPARATE NEUTRAL & GROUND WIRE PER CIRCUIT MOUNTED ABOVE COUNTER.

15A, 120V DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE.

15A, 120V DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED ABOVE COUNTER OR AT HEIGHT.

15A/20A CEILING MOUNT T-SLOT GFI CORD REEL RECEPTACLE

15A, 120V SINGLE RECEPTACLE (NEMA-5-15R RECEPTACLE)

50A, 250V 3 WIRE RANGE RECEPTACLE.

30A, 208V, 3P SINGLE RECEPTACLE.

20A, 120V SINGLE RECEPTACLE.

20A, 208V, 3ø SINGLE RECEPTACLE.

15A, 208V, 1ø SINGLE RECEPTACLE.

15A, 208V, 3ø SINGLE RECEPTACLE.

40A, 208V, 3ø SINGLE RECEPTACLE.

TELEVISION OUTLET C/W 21MM CONDUIT.

GENERATOR REMOTE CONTROL PANEL

OUTLET FOR PUSH TO LOCK

OUTLET FOR REQUEST FOR EXIT

OUTLET FOR PUSH TO UNLOCK

STROBE LIGHT FOR EMERGENCY RESPONSE SYSTEM

PATIENT UNIT FOR EMERGENCY RESPONSE SYSTEM

OCCUPIED LIGHT FOR EMERGENCY RESPONSE SYSTEM

EMERGENCY RESPONSE SYSTEM

DOOR BELL

BUZZER

STARTER COMBINATION WITH DISCONNECT SWITCH

20A,208V DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE.

20A,208V DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED ABOVE COUNTER OR AT HEIGHT.

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. ALL MEASUREMENTS ARE TO BE OBTAINED FROM ARCHITECTURAL PLANS, ELEVATIONS, AND FROM FIELD MEASUREMENTS.

2. DIVISION 16 SHALL REFER TO ARCHITECTURAL & MECHANICAL DRAWINGS FOR ALL SCOPE OF WORK DIVISION 16 WHICH ARE RELATED TO OTHER TRADES

3. ELECTRICAL AND MECHANICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER, SO AS TO AVOID INTERFERENCES AND TO MAINTAIN MINIMUM CLEARANCES BETWEEN DOCTORS, PIPING, CONDUIT AND LIGHTING FIXTURE.

4. REVIEW ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS, AND CEILINGS AND PROVIDE NECESSARY FIRE STOPPING AS REQUIRED.

5. WORK IN CONJUNCTION WITH REFLECTED CEILING PLANS WHEN LOCATING LIGHT FIXTURES.

6. WORK IN CONJUNCTION WITH MECHANICAL DIFFUSER LAYOUT WHEN LOCATING SMOKE DETECTORS.

7. POWER AND CONTROL WIRING SHALL RISE TO ROOF TOP EQUIPMENT WITHIN CLUB OF UNIT, WHEN OTHERWISE APPROVED BY THE CONSULTANT.

8. LED LIGHTING DRIVERS AND DIMMERS SHALL BE COMPATIBLE WITH THE SPECIFIED LED FIXTURES. DRIVERS MUST BE OF HIGH QUALITY, LONG-LIFE, CONSTANT CURRENT OR CONSTANT VOLTAGE AS REQUIRED BY THE FIXTURE, AND RATED FOR SMOOTH, FLOODED-AREA DIMMING WHEN DIMMING IS PROVIDED. ALL DRIVERS, POWER SUPPLIES, AND CONTROLS SHALL BE LISTED FOR THE INTENDED APPLICATION AND COMPLY WITH RELEVANT CODES AND STANDARDS.

9. PROVIDE AND INCLUDE FOR ALL NECESSARY ACCESSORIES AND FITTINGS FOR A FULL AND COMPLETE INSTALLATION OF LIGHTING FIXTURES INCLUDING CEILING TRIMS AND FRAMES TO SUIT CEILING REFER TO ARCHITECTURAL CEILING SCHEDULE FOR CEILING TYPES.

10. SPARE.

11. PROVIDE EACH ITEM MENTIONED OR INDICATED OF QUALITY AND SUBJECT TO QUALIFICATIONS NOTED; PERFORM ACCORDING TO CONDITIONS STATED EACH OPERATIONS STATED EACH OPERATION PRESCRIBED ; AND PROVIDE THEREOF ALL LABORS, MATERIAL, EQUIPMENT, INCIDENTALS AND SERVICES REQUIRED TO COMPLETE THE INSTALLATION.

12. SCHEDULE AND COMPLY WITH ALL WORK WITH OTHER TRADES.

13. CONTRACTOR SHALL BALANCE CIRCUIT LOADS AS CLOSELY AS POSSIBLE.

14. CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS OF LIGHTING, POWER AND FEEDERS AND SHALL MAINTAIN VOLTAGE DROP WITHIN PERMISSIBLE LIMITS AS PER CODE REQUIREMENTS AND PROVIDE PROPER WIRE SIZES ACCORDINGLY PRIOR TO COMMENCING ROUGH-IN INSTALLATION. THE VOLTAGE DROP CALCULATIONS SHALL BE BASED ON MAXIMUM CIRCUIT IMPEDANCE.

15. ALL CONDUITS BACKWIRING AND ROUGH-IN FOR LOW VOLTAGE SYSTEMS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

16. DIVISION 16 TO PROVIDE CONDUIT & WIRING FOR ALL ELECTRICAL & MECHANICAL EQUIPMENT FOR A COMPLETE OPERATIONAL SYSTEM.

17. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THE COORDINATION WORKS REGARDING HYDRO NEW INCOMING SERVICE. ELECTRICAL CONTRACTOR SHALL COMPLY WITH HYDRO REQUIREMENT AND SHALL PROVIDE ALL NECESSARY MATERIAL & LABOR REQUIRED ACCORDINGLY.

18. (UNLESS NOTED OTHERWISE) INCLUDING CONDUITS, BACK BOXES, JUNCTION BOXES, PULL WIRDS, ETC. ELECTRICAL CONTRACTOR SHALL REFER TO DIVISION 15 DRAWINGS AND SPECS FOR MORE INFORMATION AND SHALL INCLUDE ALL COSTS ASSOCIATED RELATED TO THE ROUGH INS IN HIS TENDER PRICE.

19. REFER TO DOOR HARDWARE SCHEDULE FOR ROUGH IN REQUIREMENT AND PROVIDE ALL NECESSARY FOR FULL OPERATIONAL SYSTEM TO COMPLY ACCORDINGLY.

20. ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORTING SYSTEM TO SUPPORT ALL LIGHT FIXTURES ONLY FROM THE JOIST OR STEEL BEAMS (NOT FROM THE ROOF DECK).

21. ALL ELECTRICAL EQUIPMENT THAT IS SUPPORTED BY A SYSTEM THAT IS CERTIFIED BY THE MANUFACTURER TO CARRY THE LOADS OF THE EQUIPMENT, IF NO SYSTEM IS RECOMMENDED BY THE MANUFACTURER, THE CONTRACTOR SHALL PROVIDE A DESIGN STAMPED BY A P.E.ING THESE ITEMS SHALL INCLUDE BUT NOT LIMITED TO LIGHTING, TRANSFORMER, HEATERS, AND ALL SIMILAR ELECTRICAL EQUIPMENT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S OR P.E.ING DESIGN.

22. PROVIDE 3/4" EMT CONDUIT FROM EACH VOICE/DATA OUTLET TO THE PLYWOOD BACKBOARD LOCATED IN THE MECH/ELEC ROOM.

23. PROVIDE 3/4" EMT CONDUIT FROM PUBLIC ADDRESS SPEAKER TO THE PLYWOOD BACKBOARD LOCATED IN THE MECH/ELEC ROOM.

24. PROVIDE STAINLESS STEEL COVER PLATES FOR ALL WIRING DEVICES, LIGHT SWITCHES, POWER RECEPTABLES AND COVER PLATES.

25. COORDINATION & ARC FLASH STUDY SHOP DRAWINGS SHALL BE PROVIDED FOR THE CONSULTANT'S REVIEW PRIOR TO MANUFACTURING OF ELECTRICAL PANELS INCLUDING MAIN SWITCHBOARD & DISTRIBUTION PANELS.

26. THROUGHOUT DIVISION 16 ARE LIST OF "ALTERNATE EQUIPMENT" MANUFACTURERS ACCEPTABLE TO CONSULTANT IF THEIR PRODUCT MEETS CHARACTERISTICS OF SPECIFIED DESCRIBED EQUIPMENT/PRODUCTS. IT IS RESPONSIBILITY OF THIS DIVISION TO ENSURE ALTERNATE EQUIPMENT COMPLIES WITH THE SPECIFIED DESCRIBED EQUIPMENT/PRODUCTS. ALL ADDITIONAL WORK REQUIRED FOR AND ASSOCIATED WITH ALTERNATE EQUIPMENT SHALL BE PROVIDED WITHOUT CHANGE IN CONTRACT AMOUNT. ONLY MANUFACTURERS LISTED IN THE SPECS WILL BE ACCEPTED FOR THEIR PRODUCT LISTING. REFER TO ELECTRICAL SUPPLEMENTARY BID FORM DOCUMENT REQUIR FOR MORE INFORMATION.

27. COORDINATE ON SITE WITH THE GENERATOR MANUFACTURERS AND OTHER TRADES BEFORE COMMENCEMENT OF THE GENERATOR INSTALLATION WORK AND HYDRO PROCEED ACCORDINGLY.

28. ALL PANELS, SWITCHES, CIRCUITS, JUNCTION BOXES, PULL BOXES, CONTROLS, DRIVERS, AND OTHER ELECTRICAL APPARATUS SHALL BE CLEARLY AND PERMANENTLY LABELED FOR EASY IDENTIFICATION IN ACCORDANCE WITH CODE AND NEC REQUIREMENTS.

29. ELECTRICAL SYSTEMS, INCLUDING PANELS, BACKWAYS, ENCLOSURES, AND OTHER NON-CURRENT CARRYING PARTS OF APPARATUS, SHALL BE PROPERLY GROUNDING AND BONDING ACCORDING TO CODE OR NEC REQUIREMENTS.

30. ALL POLE-MOUNTED EXTERIOR FIXTURES (PA) SHALL BE FACTORY-EQUIPPED WITH CLEAR TEMPERED GLASS LENSES AND SEALED PRE-RATED OPTICAL CHAMBERS, SUITABLE FOR EXTERIOR INSTALLATION IN CANADIAN CLIMATE ZONES.

31. PROVIDE CONTROLLING ALARM SIGNALS (C/W ALL MATERIAL AND LABOR FOR FULL OPERATIONAL SYSTEM) AT THE GENERATOR CONTROLLING PANEL AND THE REMOTE ANNUNCIATOR PANEL TO INCLUDE THE FOLLOWING ALARM SIGNALS:
-ATS OR EMERGENCY POWER
-GENERATOR GAS SHUT-OFF VALVE.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MAKE/MODEL	VOLT	LAMP		MOUNT	REMARKS
				WATT	TYPE		
F1	PEERLESS LAQ3 2X4 LED	PEERLESS MODEL LAQ3-24-48-40K-12-MV OR ALTERNATE: PEERLESS, METALUMEN, GE OR PHILIPS.	120-277	49	LED	CEILING RECESSED	MEDICAL STORAGE, LOCKER ROOM, WRITE-UP ROOM, STORAGE, OFFICE
F2	3" LED NARROW STRIP LUMINAIRE, ROUNDED EXTRUDED RIBBED FROSTED ACRYLIC LENS	PEERLESS NSL-3-30-35K-RA-WH-MV OR APPROVED EQUIVALENT BY COLUMBIA, METALUMEN OR GE.	120-277	29	LED	WALL MOUNTED	HOSE TOWER
F3	PEERLESS LAQ3 2X4 LED	PEERLESS MODEL LAQ3-24-48-40K-12-MV OR ALTERNATE: PEERLESS, METALUMEN, GE OR PHILIPS.	120-277	49	LED	4000	CAPTAIN OFFICE
F5	2" LED NARROW STRIP LUMINAIRE, ROUNDED EXTRUDED RIBBED FROSTED ACRYLIC LENS	PEERLESS NSL-2-30-35K-RA-WH-MV OR APPROVED EQUIVALENT BY COLUMBIA, METALUMEN OR GE.	120-277	29	LED	3500	WASHROOM
F6	4" UNDERCABINET OM LIGHTING LTAB DIMMABLE HIGH OUTPUT LED LINEAR LIGHTING	2X LTAB-N-24 W/ LTOWP-12 CONNECTOR AND LTH-16 POWER SUPPLY OR APPROVED EQUIVALENT BY COLUMBIA AND SENSO LIGHT.	120	10.4	LED	3500	UNDER CABINET
T1	SUSPENDED LED FIXTURE	PEERLESS ELECTRIC AP2-W-4-120-40K-AQLRF-AC-MV-D10 ALTERNATE: PEERLESS, COLUMBIA OR GE.	120-277	38	LED	4000	OXYGEN STORAGE, UTILITY ROOM.
OB	8" LED DOWN LIGHT, ALZAK SEMI-DIFFUSE REFLECTOR, WHITE TRIM, 2000 LUMEN	PRESCOLITE LFL6EDG4-6FL6ED7G4-35K ALTERNATE: PEERLESS, METALUMEN OR GE.	120	25	LED	4000	CEILING RECESSED
OC	8" LED DOWN LIGHT, ALZAK SEMI-DIFFUSE REFLECTOR, WHITE TRIM, 1100 LUMEN	PRESCOLITE LFL6EDG4-6FL6ED5G4-35K ALTERNATE: PEERLESS, METALUMEN OR GE.	120	25	LED	4000	CEILING RECESSED
MA	LED FULL CUT OFF WALL PACK, DIE CAST ALUMINUM HOUSING AND DOOR	LITHONIA LIGHTING MODEL # EMLS R1 48LED 350MA 4K R3 GCF 120 DDBXD OR APPROVED EQUIVALENT BY COOPER, CANLYTE & HUBBELL.	120-277	59	LED	4000	WALL MOUNTED
M	2', 3', 4', 6', 8' CONTINUOUS DIRECT SUSPENDED LED LUMINAIRE	PEERLESS PRM40-LP-X-MSLX-BOCRI-X-PROR-500LMF-RBBR-MDL5-DARK-ZT-120-SCF-F1/PA-50EP OR APPROVED EQUIVALENT BY ALTERNATE: LITHONIA, PHILIPS METALUMEN, OR HUBBELL.	120	4.5/1FT	LED	4000	CEILING SUSPENDED
M1	2', 3', 4', 5', 6', 8' RECESSED LED LUMINAIRE	PEERLESS DRPS-C-LDP-VET-80 OB-40K-500LMF-DARK-ZT-CAL-120-SCF-C24I-OR APPROVED EQUIVALENT BY ALTERNATE: LITHONIA, PHILIPS, OR GE.	120	5.5/1FT	LED	4000	CEILING RECESSED
MB	LED FULL CUT OFF WALL PACK, DIE CAST ALUMINUM HOUSING AND DOOR	COOPER LIGHTING-MAG-9W-EDISON MODEL # OAC-SAC2-10-10-T4T-OM OR APPROVED EQUIVALENT BY BEACON,CANLYTE & HUBBELL.	120-277	59	LED	4000	WALL MOUNTED
PA	LIGHTING STANDARD C/W 3.85M HIGH STEEL TAPPED POLE OR 350MM ABOVE GRADE CONCRETE BASE, POLE & LUMINAIRES (BLACK) FINISH AS PER ARCHITECT SELECTION. 110M	LITHONIA LIGHTING MODEL # EMLS R1 63LED 350MA 3K R3 GCF 120 DDBXD OR APPROVED EQUIVALENT BY COOPER, CANLYTE & HUBBELL.	120-277	74	LED	3000	POLE MOUNTED
J	4" LED NARROW STRIP LUMINAIRE, ROUNDED EXTRUDED RIBBED FROSTED ACRYLIC LENS	PEERLESS NSL-4-46-35-RA-WH-MV ALTERNATE: COLUMBIA, METALUMEN OR GE.	120-277	43	LED	4000	SURFACE MOUNTED
CA	6" SUSPENDED CYLINDRICAL LED LUMINAIRE	PRESCOLITE LFL6EDG4-6FL6ED5G440KWHWT ALTERNATE: PEERLESS, METALUMEN OR GE.	120	18.7	LED	4000	CEILING RECESSED
SC	2',3',4',5',6',7',8' SUSPENDED LED FIXTURE, DAMP AND WET FLOATATION RATED IP 65	PEERLESS LIGHTING SVT-4FT-60-40K-P2-B-A4-C1-MV ALTERNATE-AB-MARK LIGHTING, COLUMBIA OR HUBBELL.	120-277	45	LED	4000	CEILING SUSPENDED
MC	6" LED POT LIGHT, CSA LISTED FOR PROTECTED WET LOCATIONS	COOPER MODEL # FFLD6A-15-DL3 ALTERNATE: PEERLESS, CANLYTE OR GE.	120-277	22.8	LED	4000	CEILING RECESSED

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4. REVIEW ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS, AND CEILINGS AND PROVIDE NECESSARY FIRE STOPPING AS REQUIRED.

5. WORK IN CONJUNCTION WITH REFLECTED CEILING PLANS WHEN LOCATING LIGHT FIXTURES.

6. WORK IN CONJUNCTION WITH MECHANICAL DIFFUSER LAYOUT WHEN LOCATING SMOKE DETECTORS.

7. POWER AND CONTROL WIRING SHALL RISE TO ROOF TOP EQUIPMENT WITHIN CLUB OF UNIT, WHEN OTHERWISE APPROVED BY THE CONSULTANT.

8. LED LIGHTING DRIVERS AND DIMMERS SHALL BE COMPATIBLE WITH THE SPECIFIED LED FIXTURES. DRIVERS MUST BE OF HIGH QUALITY, LONG-LIFE, CONSTANT CURRENT OR CONSTANT VOLTAGE AS REQUIRED BY THE FIXTURE, AND RATED FOR SMOOTH, FLOODED-AREA DIMMING WHEN DIMMING IS PROVIDED. ALL DRIVERS, POWER SUPPLIES, AND CONTROLS SHALL BE LISTED FOR THE INTENDED APPLICATION AND COMPLY WITH RELEVANT CODES AND STANDARDS.

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22. PROVIDE 3/4" EMT CONDUIT FROM EACH VOICE/DATA OUTLET TO THE PLYWOOD BACKBOARD LOCATED IN THE MECH/ELEC ROOM.

23. PROVIDE 3/4" EMT CONDUIT FROM PUBLIC ADDRESS SPEAKER TO THE PLYWOOD BACKBOARD LOCATED IN THE MECH/ELEC ROOM.

24. PROVIDE STAINLESS STEEL COVER PLATES FOR ALL WIRING DEVICES, LIGHT SWITCHES, POWER RECEPTABLES AND COVER PLATES.

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31. PROVIDE CONTROLLING ALARM SIGNALS (C/W ALL MATERIAL AND LABOR FOR FULL OPERATIONAL SYSTEM) AT THE GENERATOR CONTROLLING PANEL AND THE REMOTE ANNUNCIATOR PANEL TO INCLUDE THE FOLLOWING ALARM SIGNALS:
-ATS OR EMERGENCY POWER
-GENERATOR GAS SHUT-OFF VALVE.

ELECTRICAL DRAWING LIST

E1.0 ELECTRICAL LEAD SHEET

E2.0 PROPOSED SITE PLAN

E2.1 PROPOSED PHOTOMETRIC PLAN

E3.0 PROPOSED PRS POWER & COMMUNICATION FLOOR PLAN

E3.1 PROPOSED FIRE STATION POWER & COMMUNICATION FLOOR PLAN

E3.2 PROPOSED POWER ROOF PLAN

E4.0 PROPOSED LIGHTING FLOOR PLAN-PRS STATION

E4.1 PROPOSED LIGHTING FLOOR PLAN-FIRE STATION

E5.0 PROPOSED FIRE ALARM SYSTEM FLOOR PLAN

E6.0 SINGLE LINE DIAGRAM

E6.1 PANEL SCHEDULES

E6.2 MECHANICAL EQUIPMENT WRING SCHEDULE-1

E6.3 MECHANICAL EQUIPMENT WRING SCHEDULE-2

E7.0 ELECTRICAL DETAILS -1

E7.1 ELECTRICAL DETAILS -2

E7.2 ELECTRICAL DETAILS-3/FIRE STATION LIGHTING CONTROL SYSTEM DETAILS

E7.3 ELECTRICAL DETAILS-4-PRS STATION LIGHTING CONTROL SYSTEM DETAILS

E7.4 ELECTRICAL DETAILS -5

E8.0 PROPOSED SECURITY SYSTEM FLOOR PLAN-PRS STATION

E8.1 PROPOSED SECURITY SYSTEM FLOOR PLAN-FIRE STATION

E9.0 PROPOSED PA SYSTEM FLOOR PLAN-PRS STATION

E9.1 PROPOSED PA SYSTEM FLOOR PLAN-FIRE STATION

DE-STRATIFICATION FAN SCHEDULE

SYMBOL	AREA SERVED	LOCATION	ELECTRICAL MOTOR VOLTAGE	MOTOR	OPRATING WEIGHT LBS	MODEL
DF-1 DF-2	APPARATUS BAY	CEILING SUSPENDED	1.0	120/1/60	ONBOARD VFD CONTROLLER	124 BIG ASS BASIC 6, FAN DIAMETER 2400MM, C/W WALL-MOUNTED KEYPAD, SAFETY CABLE, INSTALLATION HEIGHT TO BE CONFIRMED ON SITE.

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2	REVIEW	01.10.2024
3	BOM CO	21.02.2025
4	90% CO & BUILDING PERMIT	13.08.2025
5	BUILDING PERMIT	09.08.2025
6	ADDENDUM ME-1	05.09.2025
7	ADDENDUM ME-2	11.09.2025

TOWN OF WS FIRE STATION & YORK REGION PRS

4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

PROJECT :

CLIENT

CONSULTANT

PROFESSIONAL SEAL

DWG TITLE

ELECTRICAL LEAD SHEET

ORIENTATION

DATE

PROJECT No.

DRAWING No.

REVISION

Stouffville

York Region

RCEI

PROFESSIONAL SEAL

DWG TITLE

ELECTRICAL LEAD SHEET

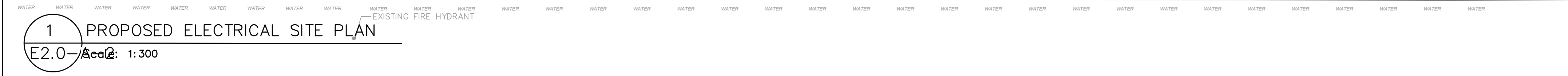
ORIENTATION

DATE

PROJECT No.

DRAWING No.

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| DRAWING No.
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1	REVIEW	23.10.2024
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3	60% CD	21.02.2025
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TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.



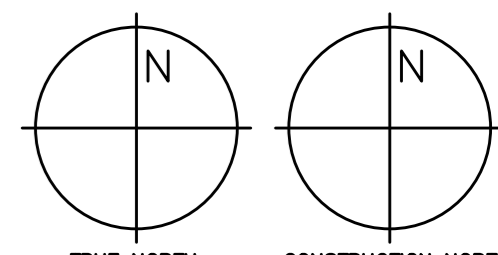
PROFESSIONAL SEAL



DWG TITLE

PROPOSED PRS ELECTRICAL
POWER & COMMUNICATION
FLOOR PLAN

ORIENTATION



DATE 2024-06-06

PROJECT No. 2024-448

DRAWING No. E3.0-A-1

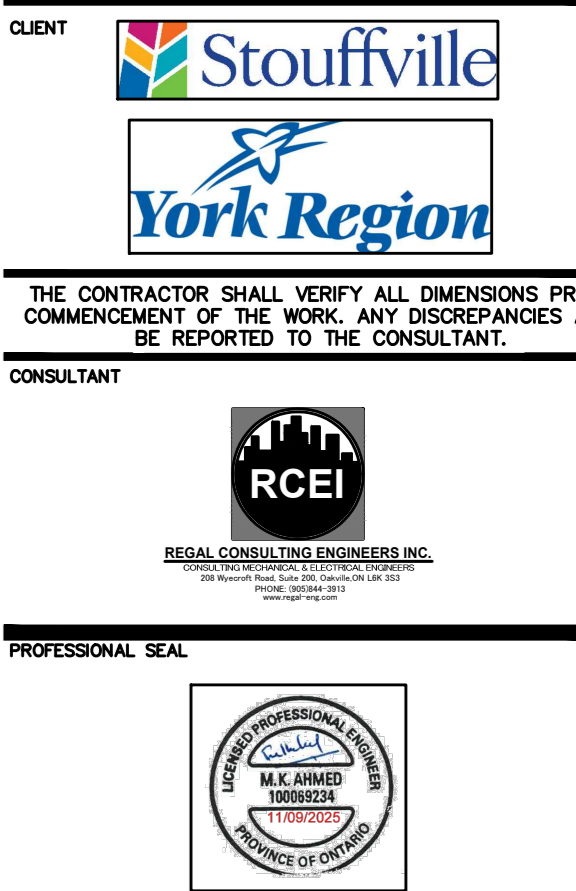
NOTES:

- SWITCH TO CONTROL THE POWER TO THE EXTERIOR RECEPTACLES.
- PROVIDE 18"x18"x4" RECESSED ELECTRICAL BLACK BOX C/W COVER PLATE TO BE INSTALLED ON THE WALL AND BEHIND THE LOCAL SOUND SYSTEM RACK. TERMINATE ALL THE ROUGH IN CONDUITS FOR LOCAL SOUND SYSTEM SPEAKERS AND MICROPHONES INTO THIS RECESSED BLACK BOX.
- SHORE POWER RECEPTACLES IN THE AMBULANCE GARAGE SHALL BE CIRCUIT NUMBER IN DESIGNATED AREA. EMS SHORE POWER DROPS WILL BE INSTALLED BY PSB.
- REMOTE UP/DOWN/OFF PUSH BUTTON FOR MOTORIZED FOLDING DOOR SYSTEMS.
- REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION OF POWER OUTLETS.
- PROVIDE THE FOLLOWING EMPTY CONDUITS:
 - A) 2" UNDERCOUNTER CONDUIT FROM THE MECH/ELEC ROOM TO THE PROPERTY LINE AT THE FRONT, FOR FUTURE TRAFFIC CONTROL SYSTEM OF THE BUILDING. COORDINATE ON SITE FOR EXACT STUB UP LOCATION PRIOR TO ROUGH IN AND THEN PROCEED ACCORDINGLY.
 - B) 2" CONDUIT FROM THE PLYWOOD BACK BOARD IN MECH/ELEC ROOM TO ROOF FOR SATELLITE RADIO SYSTEM. COORDINATE ON SITE FOR EXACT STUB UP LOCATION PRIOR TO ROUGH IN AND PROCEED ACCORDINGLY.
 - C) 2" CONDUIT FROM THE PLYWOOD BACK BOARD IN MECH/ELEC ROOM TO OFFICE 211. TERMINATE THE CONDUIT INTO 6"x6"x4" ELECTRICAL BLACK BOX TO BE LOCATED ADJACENT TO THE LOCAL SOUND SYSTEM RACK.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL POWER OUTLET INSIDE THE 10"x10" BOX ON THE INTERIOR OF THE COLUMN FOR DEFIB UNIT AS SHOWN.
- PROVIDE 1" CONDUIT WITH PULL STRING FROM EACH WIRELESS ACCESS POINT (WAP) LOCATION TO THE NEAREST IT ROOM/CLOSET IN ACCORDANCE WITH STRUCTURED CABLING REQUIREMENTS. COORDINATE WAP LOCATIONS WITH THE IT CONSULTANT AND ARCHITECTURAL REFLECTED CEILING PLAN. CONDUITS SHALL TERMINATE WITH A FLUSHED WALL BOX OR CEILING-MOUNTED JUNCTION BOX WITH BLANK COVER PLATE, AS PER CEILING TYPE. FINAL WAP PLACEMENT AND QUANTITY TO BE CONFIRMED WITH THE OWNER'S IT DEPARTMENT OR IT DESIGN GUIDE.
- PROVIDE A DEDICATED 3/4" CONDUIT FROM EACH AMBULANCE PAGING SYSTEM SPEAKER LOCATION TO THE SOUND CABINET LOCATED IN THE IT CLOSET ROOM. ALL SPEAKER CONDUIT SHALL BE MINIMUM 3/4" WITH PULL STRING AND SHALL TERMINATE IN A BACKBOX OR JUNCTION BOX DEPENDING ON CEILING CONDITIONS. COORDINATE WITH THE IT SYSTEM INTEGRATOR FOR CABINET LOCATION AND TERMINATIONS. ENSURE SEPARATION OF LOW-VOLTAGE PAGING WIRING FROM HIGH-VOLTAGE WIRING PER APPLICABLE CODES.
- GAS SOLENOID VALVE, BARBECUE CONNECTION AND STOVE RECEPTACLE TO BE SHUT-OFF FROM (2) EMERGENCY SHUT-OFF. ALL THREE ITEMS SHALL BE SHUT OFF THROUGH THE EMERGENCY SHUT-OFF PUSH BUTTONS WHICH ARE LOCATED IN CORRIDOR 202 AND DAYROOM 205. THE RE-SET PUSH BUTTON SHALL BE PROVIDED TO RESTORE THE POWER TO THE GAS SOLENOID VALVES AND THE STOVE DUPLEX RECEPTACLE.
- FIRE-RATED PLYWOOD BACKBOARD PROVIDED BY ARCHITECTURAL AS SHOWN ON DRAWING A690. COORDINATE EQUIPMENT MOUNTING LOCATIONS AND HEIGHTS WITH ELECTRICAL/COMMUNICATIONS LAYOUTS. PROVIDE ALL ROUGH IN CONDUITS FOR LOW VOLTAGE OUTLETS (I.E. VOICE, DATA, INTERCOM, CABLE TV, ETC) TO BE TERMINATED AT THIS PLYWOOD BACK BOARD.
- ELECTRICAL CONTRACTOR TO VERIFY FINAL LOCATION FOR PHOTOCELL ARE TO BE APPROVED BY PSB TECHNICAL SERVICES PRIOR TO INSTALLATION.
- PROVIDE DOOR BUZZER SYSTEM FOR FULLY OPERATIONAL SYSTEM AS PER MANUFACTURER RECOMMENDATION INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - PROVIDE ALL CONDUIT, OUTLETS, CABLES, COVER PLATES, DOOR BUZZER, PUSH-BUTTON AND ASSOCIATE COMPONENTS AS REQUIRED AND/OR AS SHOWN ON THE DRAWINGS FOR OPERATIONAL SYSTEM.
 - DOOR BUZZER SHALL BE EDWARD#762, 24VOLT AC, COMPACT STRAP MOUNTED SUITABLE FOR FLUSH MOUNTING IN STANDARD GANG BOX.
 - PUSH-BUTTON SHALL BE EDWARD#654, 24VOLT, COMPACT, STRAP MOUNTED SUITABLE FOR FLUSH MOUNTING IN STANDARD GANG BOX.
 - TRANSFORMER SHALL BE EDWARDS#590 SERIES, 24VOLT, 20VA OUTPUT RATING COMPLETE WITH NO.593 PLATE TO PERMIT A COMPLETELY ENCLOSED MOUNTING OF 590 SERIES TRANSFORMER IN A STANDARD TWO GANG OUTLET BOX.
 - ALL WIRING SHALL BE RUN IN CONDUIT, CONDUIT SHALL BE 16MM(1/2") UNLESS OTHERWISE NOTED.
 - TWO DOOR BUZZER SYSTEM ARE TO BE INSTALLED ON E FOR THE FIRE STATION AND THE OTHER FOR THE EMS STATION AS SHOWN ON DRAWINGS.
- CONTROL PANELS FOR MOTORIZED FOLDING DOOR SYSTEMS. PROVIDE CONDUITS, POWER, & CONTROL WIRING, DISCONNECT SWITCHES, OUTLET AND POWER CONNECTIONS FOR MOTORS CONTROL PANES AND REMOTE UP/DOWN/OFF PUSH BUTTONS FOR MOTORIZED FOLDING DOOR SYSTEMS. COORDINATE WITH OTHER TRADES AND SYSTEMS SUPPLIES AND PROVIDE ALL NECESSARY MATERIALS AND LABOR REQUIRED FOR FULLY OPERATIONAL SYSTEM. ALL RECEPTIVE HARDWARE FOR FOLDING DOOR SYSTEMS WILL BE PROVIDED BY THE GENERAL CONTRACTOR.
- COORDINATE WITH OTHER TRADE REGARDING CEILING FANS AND PROVIDE 3/4" CONDUIT AND WIRING FROM EACH SPEED CONTROLLER SWITCH TO EACH RESPECTIVE CEILING FAN FOR FULLY OPERATIONAL SYSTEM.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ELECTRICAL CONDUITS FOR HIGH VOLTAGE AND LOW VOLTAGE WIRING. LOW VOLTAGE WIRING & TERMINATION BY OTHERS.
- REFER TO E8.0 FOR SECURITY LAYOUT OF EMS STATION.
- REFER TO DOOR POWER DETAILS ON E7.1.
- POWER OUTLETS FOR MOTORIZED WINDOW SHADES MOUNTED AT HIGH LEVEL.

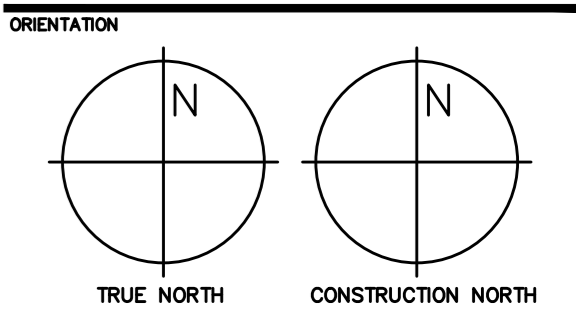
1 PROPOSED PRS ELECTRICAL
POWER & COMMUNICATION FLOOR PLAN
E3.0-A-1 Scale: 1:60

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TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

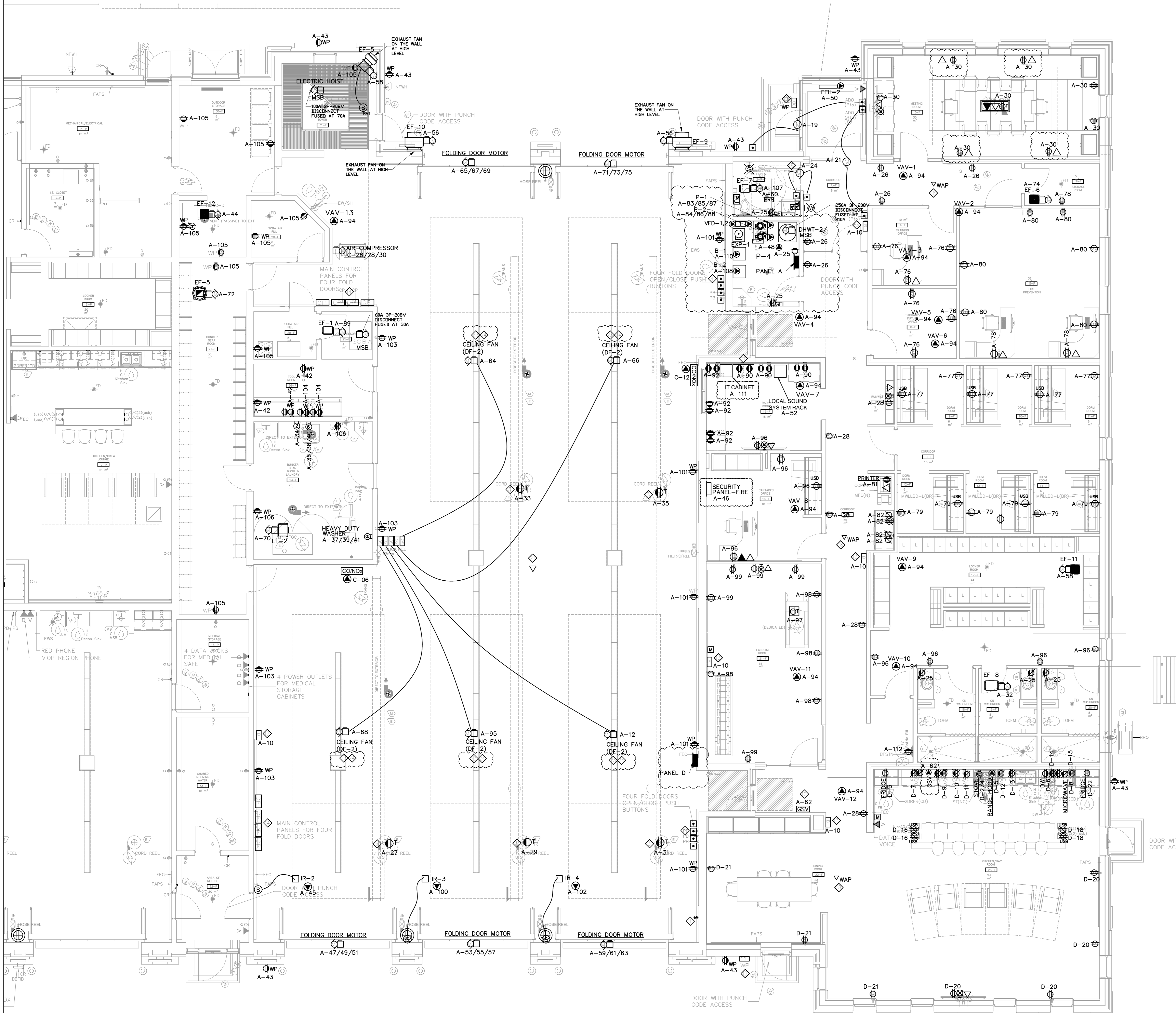


OWN TITLE
PROPOSED FIRE STATION
POWER & COMMUNICATION
FLOOR PLAN

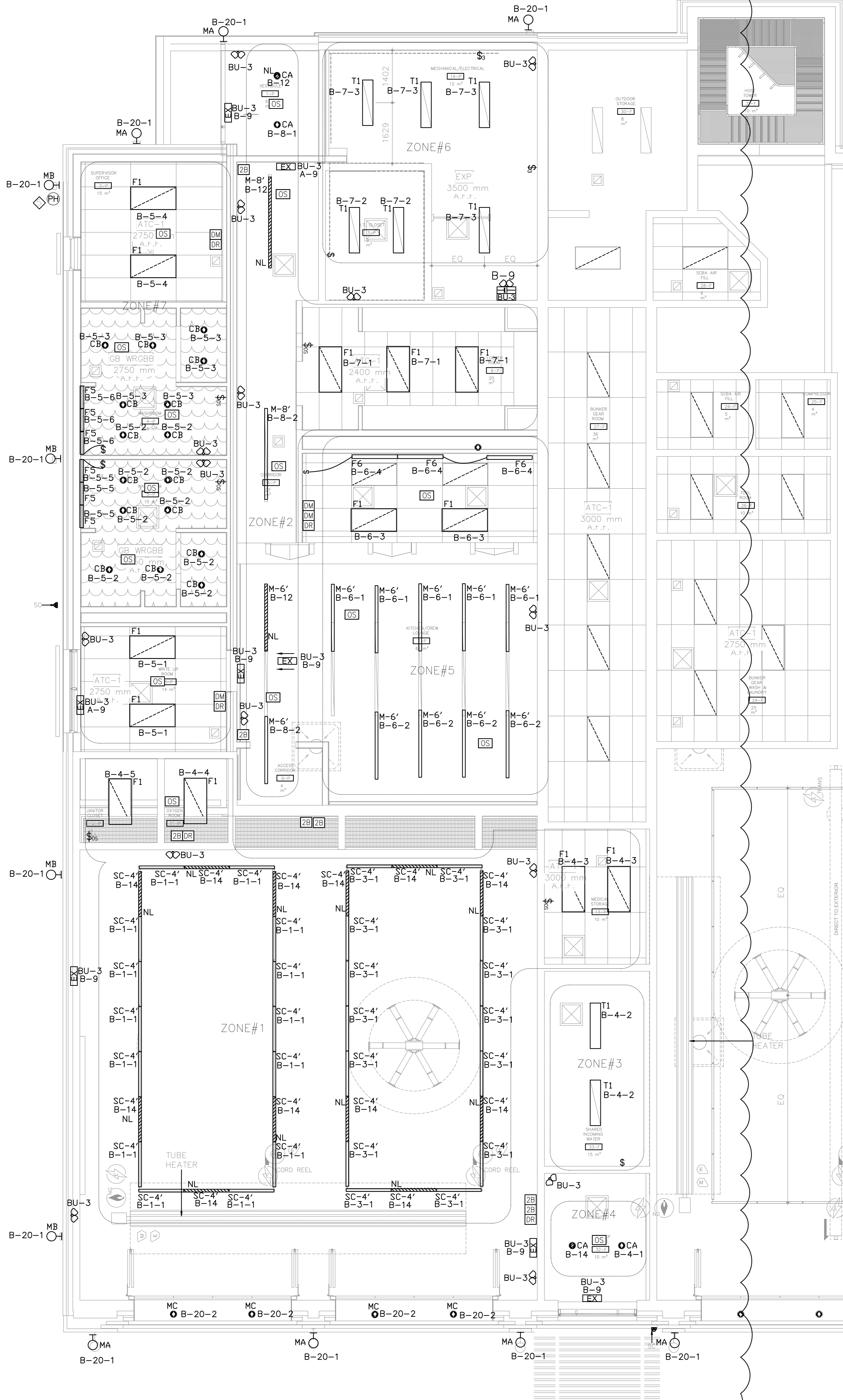


DATE 2024-06-06
PROJECT NO. 2024-448
DRAWING NO. E3.1-A-1
REVISION

- NOTES:
- SWITCH TO CONTROL THE POWER TO THE EXTERIOR RECEPTACLES.
 - PROVIDE 18"x18"x4" RECESSED ELECTRICAL BLACK BOX C/W COVER PLATE TO BE INSTALLED ON THE WALL AND BEHIND THE LOCAL SOUND SYSTEM RACK. TERMINATE ALL THE ROUGH IN CONDUITS FOR LOCAL SOUND SYSTEM SPEAKERS AND MICROPHONES INTO THIS RECESSED BACK BOX.
 - CORD REEL RECEPTACLES SHALL BE CEILING MOUNTED, 15A, 120V, 13.7M 12/3 SJOE CABLE, COMPLETED WITH WEATHER PROOF DUPLEX RECEPTACLES. WIRING THROUGH DEAD FRONT GFCI SHOW ON DRAWING. HUBBELL #HBL45123 SERIES ALTERNATE: APPLETON
 - REMOTE UP/DOWN/OFF PUSH BUTTON FOR MOTORIZED FOLDING DOOR SYSTEMS.
 - REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION OF POWER OUTLETS.
 - PROVIDE THE FOLLOWING EMPTY CONDUITS:
A) 2" UNDERCOUNTER CONDUIT FROM THE MECH/ELEC ROOM TO THE PROPERTY LINE AT THE FRONT, FOR FUTURE TRAFFIC CONTROL SYSTEM OF THE BUILDING. COORDINATE ON SITE FOR EXACT STUB UP LOCATION PRIOR TO ROUGH IN AND THEN PROCEED ACCORDINGLY.
B) 2" CONDUIT FROM THE PLYWOOD BACK BOARD IN MECH/ELEC ROOM TO ROOF FOR SATELLITE RADIO SYSTEM. COORDINATE ON SITE FOR EXACT STUB UP LOCATION PRIOR TO ROUGH IN AND PROCEED ACCORDINGLY.
C) 2" CONDUIT FROM THE PLYWOOD BACK BOARD IN MECH/ELEC ROOM TO OFFICE 211. TERMINATE THE CONDUIT INTO 8"x6"x4" ELECTRICAL BACK BOX TO BE LOCATED ADJACENT TO THE LOCAL SOUND SYSTEM RACK.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL POWER OUTLET INSIDE THE 10"x10" BOX ON THE INTERIOR OF THE COLUMN FOR DEFIB UNIT AS SHOWN.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE 1" EMPTY CONDUIT WITH PULL STRING FROM EACH WIRELESS ACCESS POINT LOCATION BACK TO THE IT CLOSET AS SHOWN ON THE DRAWINGS. CONDUIT IS FOR LOW VOLTAGE DATA CABLEING FOR WIRELESS ACCESS.
 - RESERVED.
 - GAS SOLENOID VALVE, BARBECUE CONNECTION AND STOVE RECEPTACLE TO BE SHUT-OFF FROM (2) EMERGENCY SHUT-OFF, ALL THREE ITEMS SHALL BE SHUT OFF THROUGH THE EMERGENCY SHUTOFF PUSH BUTTONS WHICH ARE LOCATED IN CORRIDOR AND DAYROOM 23-4. THE RE-SET PUSH BUTTON SHALL BE PROVIDED TO RESTORE THE POWER TO THE GAS SOLENOID VALVES AND THE STOVE DUPLEX RECEPTACLE.
 - 1200X2400X18MM FIRE RATED PLYWOOD BACKBOARD FOR LOW VOLTAGE SYSTEMS. PROVIDE ALL ROUGH IN CONDUITS FOR LOW VOLTAGE OUTLETS (E. VOICE, DATA, INTERCOM, CABLE TV, ETC) TO BE TERMINATED AT THIS PLYWOOD BACK BOARD.
 - RESERVED.
 - PROVIDE DOOR BUZZER SYSTEM FOR FULLY OPERATIONAL SYSTEM AS PER MANUFACTURER RECOMMENDATION INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
PROVIDE ALL CONDUIT, OUTLETS, CABLES, COVER PLATES, DOOR BUZZER, PUSH-BUTTON AND ASSOCIATE COMPONENTS AS REQUIRED AND/OR AS SHOWN ON THE DRAWINGS FOR OPERATIONAL SYSTEM.
DOOR BUZZER SHALL BE EDWARD#762, 24VOLT AC, COMPACT STRAP MOUNTED SUITABLE FOR FLUSH MOUNTING IN STANDARD GANG BOX.
PUSH-BUTTON SHALL BE EDWARD#554, 24VOLT, COMPACT, STRAP MOUNTED SUITABLE FOR FLUSH MOUNTING IN STANDARD GANG BOX.
TRANSFORMER SHALL BE EDWARDS#590 SERIES, 24VOLT, 20VA OUTPUT RATING COMPLETE WITH NO.593 PLATE TO PERMIT A COMPLETELY ENCLOSED MOUNTING OF 590 SERIES TRANSFORMER IN A STANDARD TWO GANG OUTLET BOX.
ALL WIRING SHALL BE RUN IN CONDUIT, CONDUIT SHALL BE 16MM(1/2") UNLESS OTHERWISE NOTED.
TWO DOOR BUZZER SYSTEM ARE TO BE INSTALLED ON E FOR THE FIRE STATION AND THE OTHER FOR THE EMS STATION AS SHOWN ON DRAWINGS.
 - CONTROL PANELS FOR MOTORIZED FOLDING DOOR SYSTEMS. PROVIDE CONDUITS, POWER, & CONTROL WIRING, DISCONNECT SWITCHES, OUTLET AND POWER CONNECTIONS FOR MOTORS CONTROL PANES AND REMOTE UP/DOWN/OFF PUSH BUTTONS FOR MOTORIZED FOLDING DOOR SYSTEMS. COORDINATE WITH OTHER TRADES AND SYSTEMS SUPPLIES AND PROVIDE ALL NECESSARY MATERIALS AND LABOR REQUIRED FOR FULLY OPERATIONAL SYSTEM. ALL RECEPTIVE HARDWARE FOR FOLDING DOOR SYSTEMS WILL BE PROVIDED BY THE GENERAL CONTRACTOR.
 - COORDINATE WITH OTHER TRADE REGARDING CEILING FANS AND PROVIDE 3/4" CONDUIT AND WIRING FROM EACH SPEED CONTROLLER SWITCH TO EACH RESPECTIVE CEILING FAN FOR FULLY OPERATIONAL SYSTEM.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ELECTRICAL CONDUITS FOR HIGH VOLTAGE AND LOW VOLTAGE WIRING. LOW VOLTAGE WIRING & TERMINATION BY OTHERS.
 - REFER TO E8.0 FOR SECURITY LAYOUT OF EMS STATION.
 - REFER TO DOOR POWER DETAILS ON E7.1.
 - POWER OUTLETS FOR MOTORIZED WINDOW SHADES MOUNTED AT HIGH LEVEL.
 - RESERVED.
 - CONTRACTOR TO RUN 1" CONDUIT FOR FUTURE WIFI FROM LOCATION SHOWN IN THE APPARATUS BAY TO IT HUB.
 - CONTRACTOR TO ROUGH IN A 2" CONDUIT ON THE ROOF FOR FUTURE RADIO ANTENNAE.
 - ENSURE OVERHEAD FANS AND LIGHTING ARE COORDINATED TO PREVENT STROBING.
 - FANS SHALL AUTOMATICALLY SHUT DOWN UPON FIRE ALARM ACTIVATION.
 - RESERVED.
 - NOTES FOR CORD REEL INSTALLATION
DIV16 CONTRACTOR SHALL SUPPLY AND INSTALL COMPLETE CORD REEL SYSTEM INCLUDING CONDUIT, WIRING, UNISTRUT SUPPORT AND ALL ASSOCIATED COMPONENTS AS PER MANUFACTURER'S RECOMMENDATION.
CORD REEL SYSTEM SHALL BE HUBBELL # HBL45123R, HOOK MOUNTED TO U/S OF JOIST, AUTOMATIC SPRING RETRACTION RATCHET LOCK HOLDS CORD AT DESIRE LENGTH, RUGGED STEEL HOUSING HOLDS 35FT MIN OF # 12/3 SUT 15A, 120V-5-20RA DUPLEX RECEPTACLE AT ONE END AND 5/4" POWER SUPPLY CORD WITH MOULDED STRAIGHT BLADE 20A PLUG AT OTHER END.
 - SPARE.
 - INCLUDE IN CONTRACT TO SUPPLY AND INSTALL 4 CORD REELS IN APPARATUS BAY 210. FOR EACH CORD REEL, PROVIDE 20A, 120V RECEPTACLE MTD ON U/S OF ROOF DECK OR FINISHED CEILING AND CONNECT TO 20A GFI BREAKER.
 - EXACT LOCATION OF CORD REEL INSTALLATION SHALL BE CO-ORDINATED WITH FIRE DEPT. PRIOR TO ROUGH-IN.



1 PROPOSED FIRE STATION
POWER & COMMUNICATION FLOOR PLAN
E3.1 - Scale: 1:60



- NOTES:
1. LIGHTING CONTROL IN THESE ROOMS SHALL BE MANUAL ON THROUGH DIGITAL SWITCHES AND AUTO OFF THROUGH OCCUPANCY SENSORS. MOTION SENSOR WILL NOT TURN ON ANY LIGHTS. OCCUPANCY SENSORS SHALL BE VACANCY CONTROL MODE.
 2. REFER TO WIRING DIAGRAM INDICATED ON DRAWING E4.0 FOR LIGHTING CONTROL AS TYPICAL DETAILS CO-ORDINATE WITH LIGHTING CONTROL SUPPLIER FOR MORE INFORMATION AND EXACT REQUIRED WIRING AND PROVIDE ALL NECESSARY MATERIAL AND LABOR FOR FULLY OPERATIONAL SYSTEMS.
 3. THE CAPACITY OF THE BATTERY UNITS SHALL BE RATING AS FOLLOWS:
BU-1 720W
BU-2 720W
BU-3 720W
 4. PROVIDE A MINIMUM OF 2#8+GRD WIRING SIZE IN 1.25" CONDUIT FOR EXTERIOR LIGHT CIRCUITS.
 5. ALL EXTERIOR LIGHTING TO BE CONTROLLED THROUGH PHOTOCELL. THE EXTERIOR LIGHTING IS TO BE CONNECTED TO THE BAS PANEL. ELECTRICAL CONTRACTOR TO VERIFY FINAL LOCATION FOR PHOTOCELL. AUC TO BE APPROVED BY PRS TECHNICAL SERVICES PRIOR TO INSTALLATION. PHOTOCELL FOR EXTERIOR LIGHTING SHALL BE EASILY ACCESSIBLE WITH AN AFT LADDER.
 6. ELECTRICAL CONTRACTOR TO ALLOW FOR ADDITIONAL DIGITAL SWITCHES FOR RELAYS. SENSORS TO PROVIDE A FULLY FUNCTIONAL DIGITAL LIGHTING CONTROL SYSTEM.
 7. CONTRACTOR TO PROVIDE LIGHTING FIXTURE "X" ON EACH LANDING (6). REFER TO ARCHITECTURAL DRAWINGS FOR HOSE TOWER DETAIL.

BATTERY UNIT SCHEDULE						
LOCATION	UNIT NUMBER	EXIT SIGNS	DOUBLE HEADS	SINGLE HEADS	CONNECTED LOAD (WATT)	CAPACITY (WATT)
MECHANICAL / ELECTRICAL ROOM / 14-P	BU-3	5	17	0	234	720
REFER TO SPECIFICATION.						

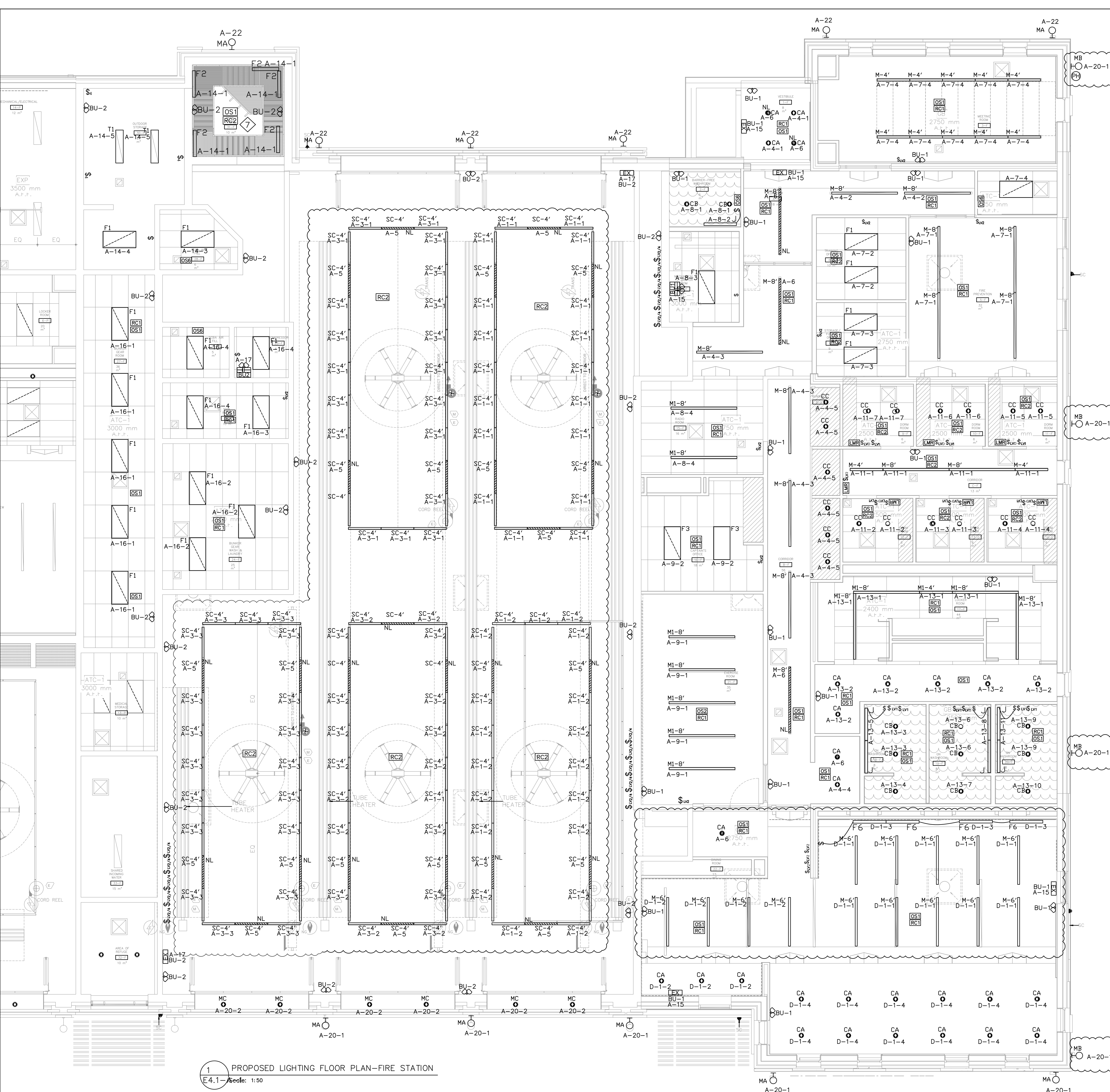
\$	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
\$OS	OCCUPANCY SENSOR (PASSIVE)
OSD/OSR	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY
OS	DIGITAL CEILING MOUNTED MOTION SENSOR
DR	DIGITAL ROOM CONTROLLER
PH	PHOTOCELL
XB	DIGITAL WALL STATION, "X" DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG

ISSUE OR REVISION			
NO.	ISSUED FOR	DATE	BY
1	REVIEW	23.10.2024	
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4	90% CD & BUILDING PERMIT	13.08.2025	
5	BUILDING PERMIT	01.08.2025	
6	ADDENDUM ME-1	05.09.2025	
7	ADDENDUM ME-2	11.09.2025	

PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO



DATE 2024-06-06
PROJECT No. 2024-448
DRAWING No. E4.0-A-1
REVISION



- NOTES:
1. LIGHTING CONTROL IN THESE ROOMS SHALL BE MANUAL ON THROUGH DIGITAL SWITCHES AND AUTO OFF THROUGH OCCUPANCY SENSORS. MOTION SENSOR WILL NOT TURN ON ANY LIGHTS. OCCUPANCY SENSORS SHALL BE VAGUARY CONTROL MODE.
 2. REFER TO WIRING DIAGRAM INDICATED ON DRAWING E4.0 FOR LIGHTING CONTROL AS TYPICAL DETAILS CO-ORDINATE WITH LIGHTING CONTROL SUPPLIER FOR MORE INFORMATION AND EXACT REQUIRED WIRING AND PROVIDE ALL NECESSARY MATERIAL AND LABOR FOR FULLY OPERATIONAL SYSTEMS.
 3. THE CAPACITY OF THE BATTERY UNITS SHALL BE RATING AS FOLLOWS:
BU-1 720W
BU-2 720W
BU-3 720W
 4. PROVIDE A MINIMUM OF 285x80W WRING SIZE IN 1.25" CONDUIT FOR EXTERIOR LIGHT GROUPS.
 5. ALL EXTERIOR LIGHTING TO BE CONTROLLED THROUGH PHOTOCELL. EXTERIOR LIGHTING IS TO BE CONNECTED TO THE BAS PANEL. ELECTRICAL CONTRACTOR TO VERIFY FINAL LOCATION FOR PHOTOCELL ARE TO BE APPROVED BY FIRE TECHNICAL SERVICES PRIOR TO INSTALLATION. PHOTOCELL FOR EXTERIOR LIGHTING SHALL BE EASILY ACCESSIBLE WITH AN 8FT LADDER.
 6. ELECTRICAL CONTRACTOR TO ALLOW FOR ADDITIONAL DIGITAL SWITCHES FOR RELAYS. SENSORS TO PROVIDE A FULLY FUNCTIONAL DIGITAL LIGHTING CONTROL SYSTEM.
 7. CONTRACTOR TO PROVIDE LIGHTING FIXTURE 'F2' ON EACH LANDING (I). REFER TO ARCHITECTURAL DRAWINGS FOR JOSE TOWER DETAIL.

BATTERY UNIT SCHEDULE						
LOCATION	UNIT NUMBER	EST. BATT. CAP. (KWH)	DOUBLE HEADS	DOUBLE HEADS	CONNECTED LOAD (WATT)	CAPACITY (WATT)
MECHANICAL / JANITOR ROOM / 25F	BU-1	8	16	0	228	720
STORAGE ROOM / 25F	BU-2	2	19	0	240	720
REFER TO SPECIFICATION						

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1	REVIEW	23.03.2024	60K CD
2	REVIEW	01.10.2024	60K CD
3	REVIEW	21.02.2025	60K CD
4	90% CD & BUILDING PERMIT	13.08.2025	60K CD
5	BUILDING PERMIT	05.09.2025	60K CD
6	ADDENDUM ME-1	05.09.2025	60K CD
7	ADDENDUM ME-2	11.09.2025	60K CD

TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

PROJECT: CLIENT:

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

CONSULTANT:

PROFESSIONAL SEAL:

OWN TITLE: PROPOSED LIGHTING FLOOR PLAN-FIRE STATION

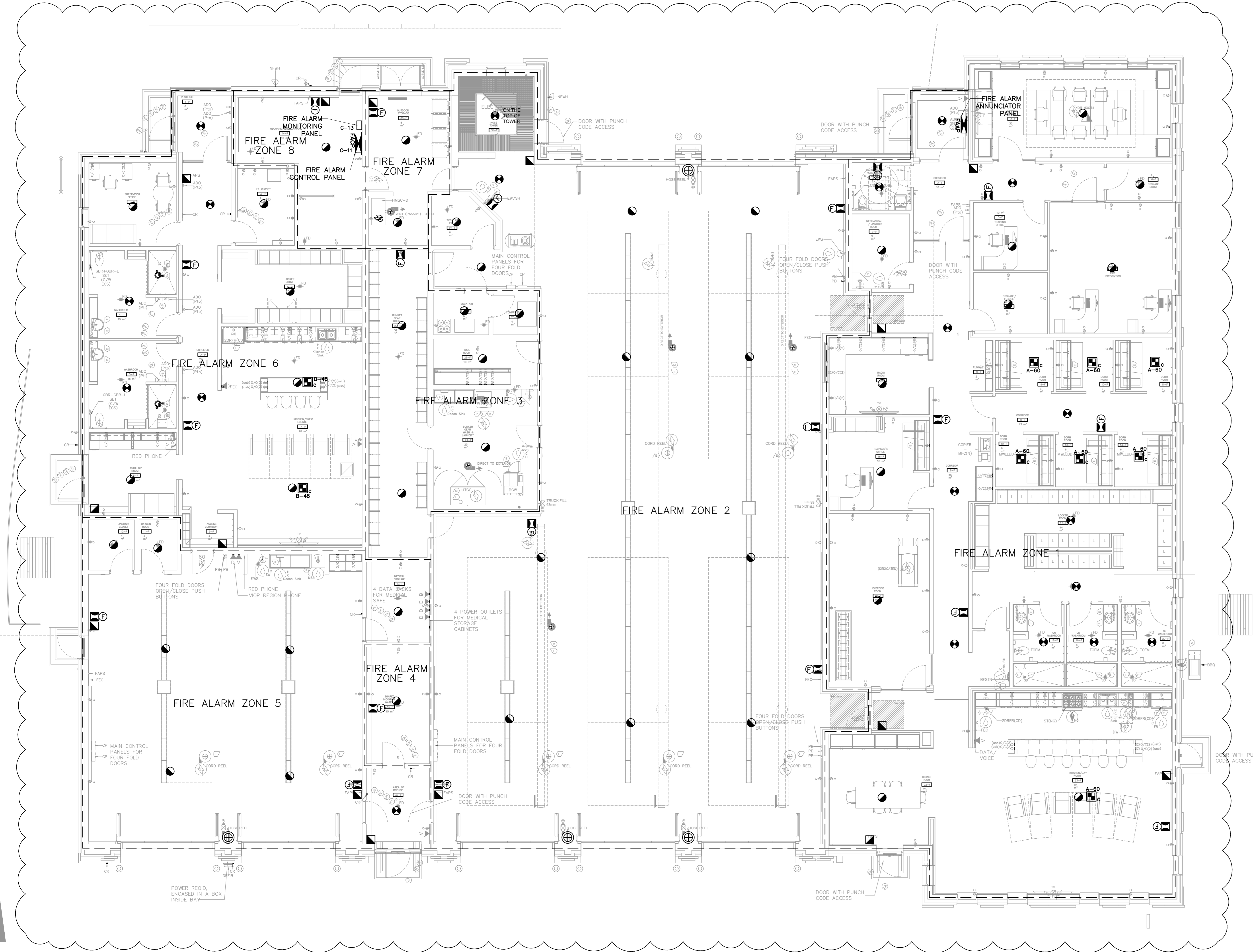
ORIENTATION:

DATE: 2024-06-06

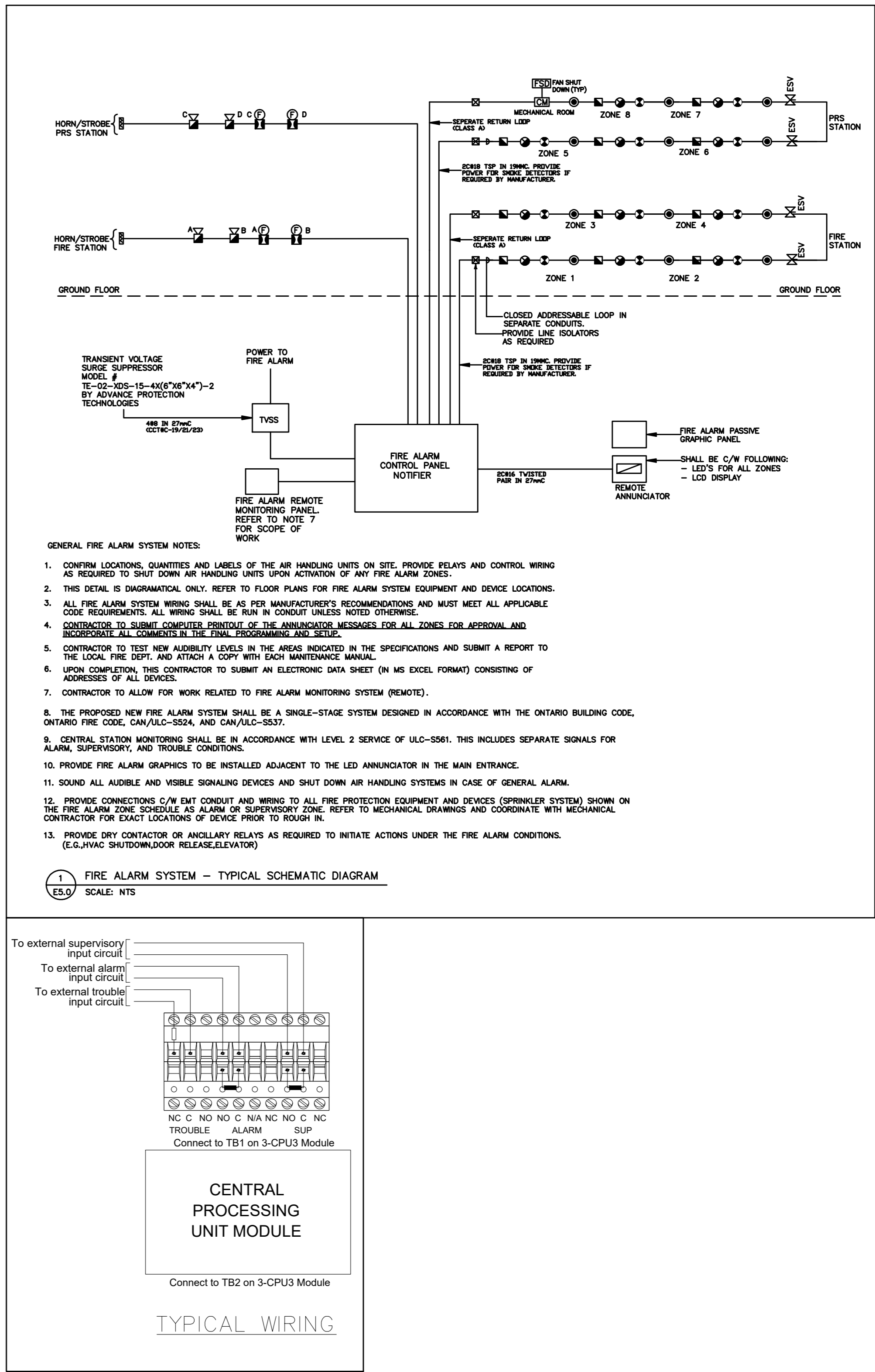
PROJECT NO.: 2024-448

DRAWING NO.: E4.1-A-F1

REVISION: 1



1 PROPOSED FIRE ALARM PLAN-FIRE AND PRS STATION
E5.0 Scale: 1:75
A-1



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NO.	ISSUED FOR	(dd.mm.yy)
1	REVIEW	23.10.2024
2	REVIEW	01.10.2024
3	60% CD	21.02.2025
4	90% CD & BUILDING PERMIT	13.08.2025
5	BUILDING PERMIT	01.08.2025
6	ADDENDUM ME-1	05.09.2025
7	ADDENDUM ME-2	11.09.2025

TOWN OF WS FIRE STATION & YORK
REGION PRS

4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

PROJECT :

CLIENT

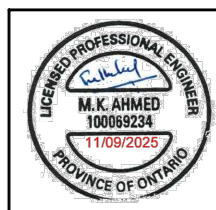


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

CONSULTANT



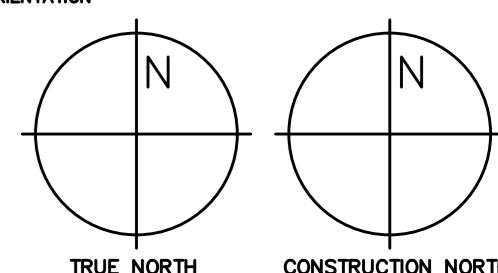
PROFESSIONAL SEAL



DWG TITLE

PROPOSED FIRE ALARM PLAN-
FIRE AND PRS STATION

ORIENTATION



DATE

2024-06-06

PROJECT No.

2024-448

DRAWING No.

E5.0

REVISION

A-1

ISSUE OR REVISION			
NO.	ISSUED FOR	(d.d.mm.yy)	
1	REVIEW	23.10.2024	
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TOWN OF WS FIRE STATION & YORK
REGION PRS

4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

PROJECT :

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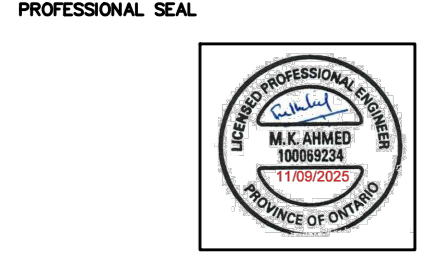


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CONSULTANT



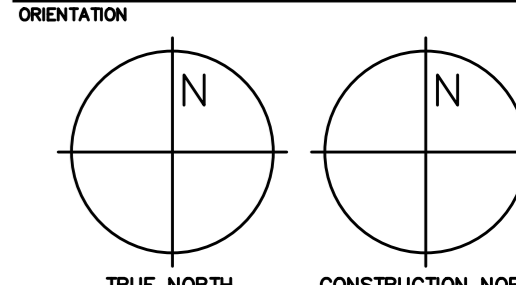
PROFESSIONAL SEAL



DWG TITLE

SINGLE LINE DIAGRAM

ORIENTATION

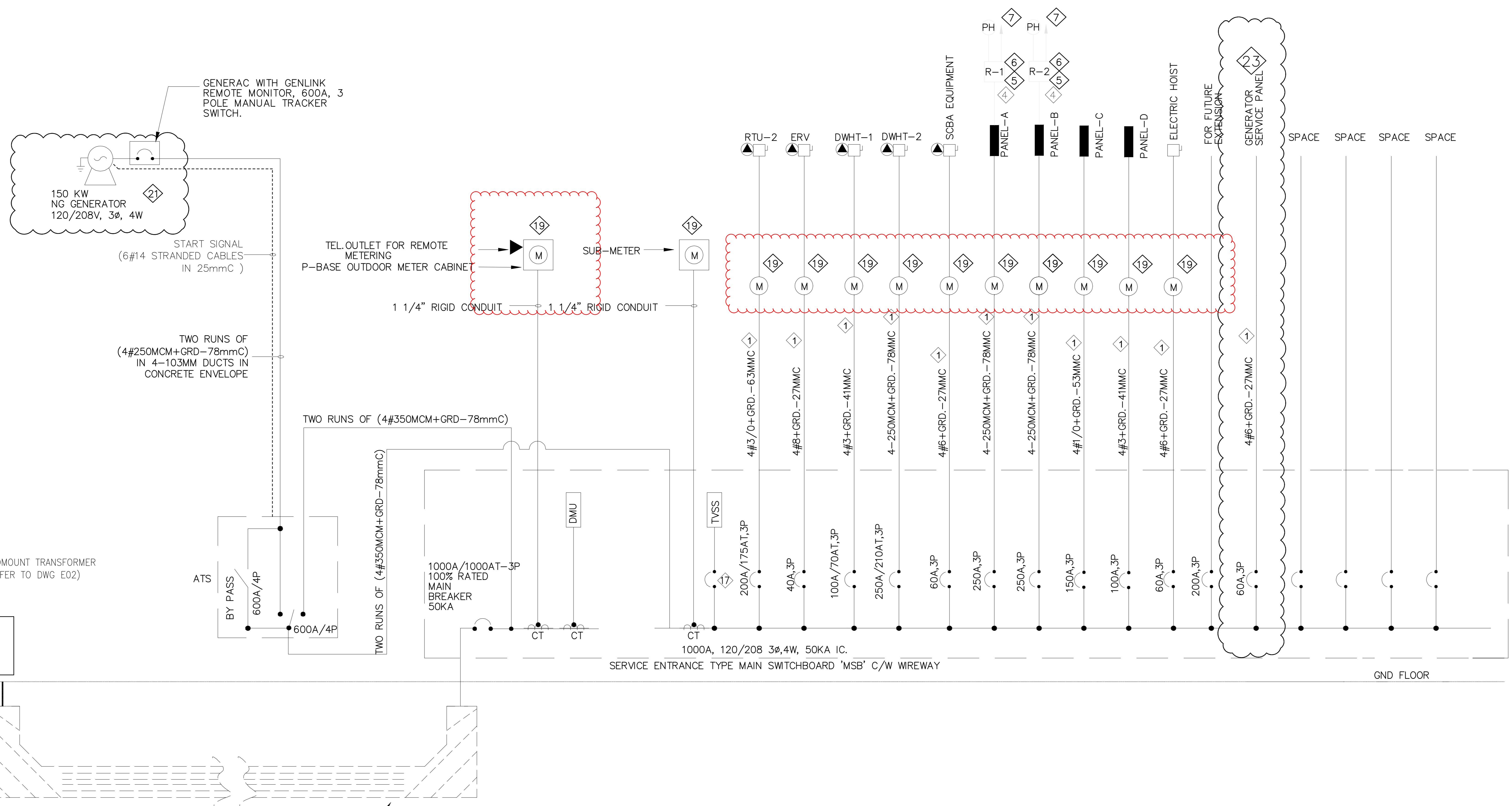


DATE 2024-06-06

PROJECT No. 2024-448

DRAWING No. E6.0

REVISION A-2



POWER SYSTEM SINGLE LINE DIAGRAM

SCALE: N.T.S.

- NOTES:
- REFER TO MECH. EQUIPMENT WIRING SCHEDULE FOR BREAKER/FEEDER /CONDUIT SIZES.
 - INSTALL P-BASE OUTDOOR METER CABINET (SUPPLIED BY HYDRO) AND PROVIDE 1.25" PVC RIGID CONDUIT FROM THE CT'S COMPARTMENT OF THE MAIN SWITCHBOARD TO METER BASE WITH FACTORY BENDS (NO LB FITTINGS) AND FISH WIRE INSIDE AND MOUNT METER BASE WITH 1.25" TAPCON OR LAGS + INSTALL CT'S SUPPLIED BY HYDRO.
 - CONTRACTOR SHALL LEAVE AT LEAST 12 METERS OF THE SECONDARY CABLES AT STAKED POLE LOCATION AND SHALL SUPPLY TWO (2) RIGID PVC CONDUITS TO RUN UP THE POLE COMPLETE WITH WEATERHEAD & CLIPS FOR HYDRO ONE TO INSTALL ON POLE. PROVIDE ENOUGH BRICK SAND AT THE POLE TO BACKFILL AT TIME OF CONNECTION. COORDINATE WITH HYDRO FOR EXACT SCOPE OF WORK AND HYDRO INSTALLATION REQUIRMENTS/STANDARDS AND PROVIDE ALL NECESSARY MATERIAL AN D LABOR TO COMPLY ACCORDINGLY.
 - PROVIDE SUITABLE CONDUIT SIZE FOR CIRCUITING WIRES WITH A MAXIMUM OF 40% CONDUIT FILL.
 - PROVIDE LOW VOLTAGE RELAY PANEL FOR EXTERIOR /INTERIOR LIGHTING C/W STEP DOWN TRANSFORMER. RELAY PANELS SHALL BE LOCATED ADJACENT TO RELEVANT LIGHTING PANEL. VERIFY LOCATIONS OF PHOTOCELLS ON SITE.
 - PROVIDE ALL NECESSARY CONDUIT, WIRING, BACK BOXES ETC. FOR LIGHTING CONTROL FOR FULLY OPERATIONAL SYSTEM.
 - TO LIGHTING LOADS.
 - MAIN SWITCH BOARD & DISTRIBUTION PANELS SHALL HAVE 25% SPACE PROVISION AS A MINIMUM.
 - ALL FEEDER CABLES SHALL BE COPPER XLPE R90 FOR DRY LOCATIONS, COPPER XLPE RW90 FOR DAM/WET LOCATIONS AND COPPER XLPE RWU90 FOR UNDERGROUND INSTALLATIONS, UNLESS NOTED OTHERWISE.
 - ALL BREAKERS OF 400A AND ABOVE SHALL HAVE ELECTRONIC TRIP UNITS.
 - CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR ALL BRACH CIRCUITS AND SHALL MAINTAIN VOLTAGE DROP WITHIN PERMISSIBLE LIMITS AS PER OESC REQUIREMENTS AND PROVIDE PROPER WIRE SIZES ACCORDINGLY PRIOR TO COMMENCING

- OF ROUGH-IN INSTALLATION. THE VOLTAGE DROP CALCULATIONS SHALL BE BASED ON MAXIMUM CIRCUIT AMPACITY.
- PROVIDE LOCK-ON BREAKERS FOR CIRCUITS FEEDING EXIT LIGHTINGS, EMERGENCY BATTERY UNITS, FIRE ALARM PANEL, SERVER ROOMS, PA SYSTEM, MECHANICAL CONTROLS.
 - REFER TO FLOOR PLANS FOR TYPE OF DISCONNECT SWITCHES I.I. WEATHER PROOF, NON-FUSED, FUSED ETC.
 - ALL POWER EQUIPMENT SHALL BE OF SPRINKLER PROOF DESIGN.
 - VERIFY INTERRUPTION CAPACITY OF ALL EQUIPMENT WITH CO-ORDINATION STUDY PRIOR TO MANUFACTURING OF ELECTRICAL DISTRIBUTION EQUIPMENT.
 - ALL WIRING, FEEDERS & CABLES SHALL BE COPPER.
 - BREAKER SIZE TO SUIT APPLICATION AS PER SWITCHBOARD MANUFACTURER RECOMMENDATIONS.
 - PROVED CONCRETE PAD FOR MAIN SWITCHBOARD, ATS & GENERATOR.
 - CONTRACTOR TO PROVIDE & INSTALL ELECTRICAL SUB METER AS SHOWN. REFER TO ELECTRICAL SPECIFICATION FOR ENERGY SUB METER DETAILS.
 - ALL WORK SHALL COMPLY WITH ONTARIO ELECTRICAL SAFETY CODE (OESC), CANADIAN STANDARDS (CSA), AND AUTHORITIES HAVING JURISDICTION.
 - PROVIDE GENERATOR RUN STATUS SIGNAL TO SECURITY SYSTEM FOR DISPLAY ON SECURITY GRAPHICS.
 - THE LOCATION OF THE P-BASE OUTDOOR METER CABINET WILL BE FINALIZED AND APPROVED BY HYDRO PRIOR TO INSTALLATION. THE DRAWINGS CURRENTLY SHOW A PROVISIONAL LOCATION FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE BASED ON UTILITY REQUIREMENTS.
 - PANEL 'GP' IS INDICATED AS THE GENERATOR SERVICE PANEL. PROVIDE NEMA 4 RATED WEATHERPROOF, CORROSION-RESISTANT ENCLOSURE, COMPLETE WITH MAIN BREAKER, COPPER BUS, AND WATERTIGHT HUB CONNECTIONS. INSTALL IN ACCORDANCE WITH OESC AND MANUFACTURER'S REQUIREMENTS.

GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPREHENSIVE SHORT CIRCUIT ANALYSIS, SELECTIVE COORDINATION STUDY, AND ARC FLASH HAZARD ANALYSIS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC), AND OTHER APPLICABLE STANDARDS. THE STUDY SHALL INCLUDE SHORT CIRCUIT CURRENT CALCULATIONS FOR ALL PANELS, SWITCHBOARDS, TRANSFORMERS, AND MAJOR EQUIPMENT; TIME-CURRENT CURVE ANALYSIS FOR SELECTIVE COORDINATION OF PROTECTIVE DEVICES; ARC FLASH INCIDENT ENERGY CALCULATIONS AND LABELING ; UPDATED ONE-LINE DIAGRAMS SHOWING FAULT CURRENTS, DEVICE SETTINGS, AND ARC FLASH BOUNDARIES; AND RECOMMENDED SETTINGS FOR BREAKERS AND PROTECTION DEVICES. THE COMPLETE STUDY, INCLUDING RECOMMENDATIONS AND FINALIZED SETTINGS, SHALL BE SUBMITTED WITH SHOP DRAWINGS AND APPROVED PRIOR TO THE INSTALLATION OF ELECTRICAL DISTRIBUTION EQUIPMENT.

ELECTRICAL PANEL:
120/208V-3Ø, 4W-60HZ,
250 AMP MAIN BREAKER

PANELBOARD A SCHEDULE

DESCRIPTION	BKR SIZE (A)	WATTS PER PHASE	CR NO	ABC	CR NO	WATTS PER PHASE	BKR SIZE (A)	DESCRIPTION
A	B	C	A	B	C	A	B	C
APPARATUS BAY LIGHTING	20	01	02	15				LIGHTING
APPARATUS BAY LIGHTING	20	03	04	15				LIGHTING
APPARATUS-BAY-NIGHT-LIGHTING	15	05	06	15				LIGHTING-NIGHT LIGHT
LIGHTING	15	07	08	15				LIGHTING
LIGHTING	15	09	10	15				BUZZER
LIGHTING (*)	15	11	12	15				DF-2
LIGHTING (*)	15	13	14	15				LIGHTING
EMERGENCY LIGHT/EXIT SIGN (***)/BU-1	15	15	16	15				LIGHTING
EMERGENCY LIGHT/EXIT SIGN (***)/BU-2	15	17	18	15				PARKING LIGHTING
DOOR OPERATOR	20	19	20	15				EXTERIOR LIGHTING
DOOR OPERATOR	20	21	22	15				EXTERIOR LIGHTING
RECEPTACLE -GFG (*)	20	23	24	20				DOOR OPERATOR
RECEPTACLE (*)	20	25	26	20				RECEPTACLE
T-SLOT CORD REEL RECEPTACLE (*)	20	27	28	20				RECEPTACLE
T-SLOT CORD REEL RECEPTACLE (*)	20	29	30	20				RECEPTACLE
T-SLOT CORD REEL RECEPTACLE (*)	20	31	32	15				EF-8
T-SLOT CORD REEL RECEPTACLE (*)	20	33	34	20				WASHER
T-SLOT CORD REEL RECEPTACLE (*)	20	35	36					
		37	38					
HEAVY DUTY WASHER	15	39	40	30				CLOTHING DRYER
	3P	41	42	20				RECEPTACLE (*)
RECEPTACLE (*)	20	43	44	15				EF-12
RADIANT TUBE HEATER & THERMOSTAT	20	45	46	15				SECURITY PANEL FIRE
		47	48	15				RECIRCULATION PUMP/P-4
FOLDING DOOR MOTOR	20	49	50	15				FFH-2
	3P	51	52	15				LOCAL SOUND SYSTEM
		53	54	15				EF-10 APPARATUS BAY
FOLDING DOOR MOTOR	20	55	56	15				EF-9 APPARATUS BAY
		57	58	15				EF-11
FOLDING DOOR MOTOR	20	59	60	15				CARBON MONOXIDE DETECTORS
		61	62	15				GAS SOLENOID VALVES
		63	64					
FOLDING DOOR MOTOR	20	65	66	15				DF-2
	3P	67	68	15				DF-2
		69	70	15				EF-2
		71	72	15				EF-5
FOLDING DOOR MOTOR	20	73	74	15				EF-6
	3P	75	76	15				DISHWASHER
RECEPTACLE	20	77	78	20				RECEPTACLE
RECEPTACLE	20	79	80	20				RECEPTACLE
PRINTER	15	81	82	15				RECEPTACLE
		83	84					
PUMP/P-1/VD-1	15	85	86	15				PUMP/P-2/VD-2
		87	88					
EF-1	15	89	90	15				LOW VOLTAGE SYSTEM
IT HUB CABINET	20	91	92	15				LOW VOLTAGE SYSTEM
IT HUB CABINET	20	93	94	15				VAV BOXES
DF-2	20	95	96	20				RECEPTACLE
TREADMILL	20	97	98	20				RECEPTACLE
TREADMILL	20	99	100	20				RADIANT TUBE HEATER & THERMOSTAT
RECEPTACLE (*)	20	101	102	20				RADIANT TUBE HEATER & THERMOSTAT
RECEPTACLE (*)	20	103	104	20				RECEPTACLE (*)
RECEPTACLE (*)	20	105	106	20				RECEPTACLE (*)
EF-7	15	107	108	20				BOILER 1
SERVICE RECEPTACLE -RTU 2 (*)	20	109	110	20				BOILER-2
IT CABINET	20	111	112	20				BOTTLE FILLER
SPACE		113	114					SPACE
SPACE		115	116					SPACE
SPACE		117	118					SPACE
SPACE		119	120					

(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER

(**) ARC-FAULT INTERRUPTER CIRCUIT BREAKER

(***) C/W LOCK-OFF DEVICES

1202 COTS/TUBS

ELECTRICAL PANEL:
120/208V-3W-4W-60HZ,
225 AMP MAIN BREAKER

PANELBOARD B SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE			CR NO	ABC			CR NO	WATTS PER PHASE			BRKR SIZE (A)	DESCRIPTION
		A	B	C		A	B	C		A	B	C		
LIGHTING	15				01				02				15	LIGHTING
LIGHTING	15				03				04				15	LIGHTING
LIGHTING	15				05				06				15	LIGHTING
LIGHTING	15				07				08				15	LIGHTING
EMERGENCY LIGHT/EXIT SIGN (***)/BU-3	15				09				10				15	BUZZER
RECEPTACLE (*)	20				11				12				15	NIGHT LIGHT
RECEPTACLE	20				13				14				15	NIGHT LIGHT
DOOR OPERATOR	15				15				16				15	DOOR OPERATOR
DOOR OPERATOR	15				17				18				15	PARKING LIGHTING
GFI RECEPTACLE (*)	20				19				20				20	EXTERIOR LIGHTING
LIGHTING CONTROL PANEL	15				21				22					FFH-1
DP-1	15				23				24				15	RECEPTACLE
RECEPTACLE	15				25				26				15	RECEPTACLE
RECEPTACLE GFCI	2P				27				28				15	FRIDGE
RECEPTACLE	2P				29				30				15	EF-3 VEHICLE BAY
RECEPTACLE	15				31				32				15	FAN
					33				34				15	THERMOSTAT
FOLDING DOOR MOTOR	20				35				36				15	T-SLOT EMS SHORE CORD RECEPTACLE
	3P				37				38				15	T-SLOT EMS SHORE CORD RECEPTACLE
	20				39				40				20	DOOR OPERATOR
FOLDING DOOR MOTOR	3P				41				42				20	RECEPTACLE
					43				44				20	RECEPTACLE (*)
RADIANT TUBE HEATER & THERMOSTAT	15				45				46				15	BB-1/BB-2/BB-3
BB-4/BB-5	15				47				48				15	CARBON MONOXIDE DETECTORS
CO/NOx CONTROL PANEL	15				49				50				15	SPARE
LOW VOLTAGE SYSTEM	20				51				52				15	DEFIB UNIT OUTLET
LOW VOLTAGE SYSTEM	20				53				54				20	EMERGENCY RESPONSE SYSTEM-ERS
LOW VOLTAGE SYSTEM	20				55				56				20	EMERGENCY RESPONSE SYSTEM-ERS
MICROWAVE	15				57				58				20	RECEPTACLE
RECEPTACLE (*)	15				59				60				20	RECEPTACLE
RECIRCULATING PUMP P-3	15				61				62				20	RECEPTACLE (*)
GFI RECEPTACLE	2P				63				64				15	RECEPTACLE
	2P				65				66				20	EF-13
PA SYSTEM RACK	15				67				68				60	
	15				69				70				2P	CU-1
CU-2	2P				71				72				15	LOUVER PENTHOUSE
IT CABINET	20				73				74				15	MOH PAGER BOX
RECEPTACLE GFCI	2P				75				76				20	RECEPTACLE GFCI
IT ROOM- UPS	20				77				78				2P	
IT ROOM- UPS	30				79				80				15	UH-1
SPACE					81				82				2P	
SPACE					83				84					SPACE
SPACE					85				86					SPACE
SPACE					87				88					SPACE
SPACE					89				90					SPACE
SPACE					91				92					SPACE
SPACE					93				94					SPACE
SPACE					95				96					SPACE
SPACE					97				98					SPACE
SPACE					99				100					SPACE
SPACE					101				102					SPACE
SPACE					103				104					SPACE
SPACE					105				106					SPACE
SPACE					107				108					SPACE
SPACE					109				110					SPACE
SPACE					111				112					SPACE
SPACE					113				114					SPACE
SPACE					115				116					SPACE
SPACE					117				118					SPACE
SPACE					119				120					SPACE

(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER

(**) ARC-FAULT INTERRUPTER CIRCUIT BREAKER

(***)/T/M LOCK-OFF DEVICES

ELECTRICAL PANEL: 120/208V-3Ø, 4W-60HZ, 100 AMP MAIN BREAKER		PANELBOARD D SCHEDULE										
DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE				BUS ABC T T T CR NO	WATTS PER PHASE				BRKR SIZE (A)	DESCRIPTION
		A	B	C			A	B	C			
LIGHTING	15					01	02				50	
FRIIDGE (*)	15					03	04				2P	STOVE
RANGE HOOD	20					05	06				20	DISHWASHER
RECEPTACLE (GFCI) (*)	20					07	08				20	MICROWAVE
RECEPTACLE (GFCI) (*)	20					09	10				15	RECEPTACLE (GFCI) (*)
RECEPTACLE (GFCI) (*)	20					11	12				15	RECEPTACLE (GFCI) (*)
RECEPTACLE (GFCI) (*)	20					13	14				15	RECEPTACLE (GFCI) (*)
RECEPTACLE (GFCI) (*)	20					15	16				15	RECEPTACLE
SPACE	15					17	18				15	RECEPTACLE
SPARE	15					19	20				15	RECEPTACLE
RECEPTACLE	15					21	22				15	FRIIDGE (*)
SPACE						23	24					SPACE
SPACE						25	26					SPACE
SPACE						27	28					SPACE
SPACE						29	30					SPACE
SPACE						31	32					SPACE
SPACE						33	34					SPACE
SPACE						35	36					SPACE
SPACE						37	38					SPACE
SPACE						39	40					SPACE
SPACE						41	42					SPACE
(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER												
(**) ARC-FAULT INTERRUPTER CIRCUIT BREAKER												
(***) C/W LOCK-OFF DEVICES												

[illegible]

ELECTRICAL PANEL:
120/208V-3W-4W-60HZ,
60 AMP MAIN BREAKER






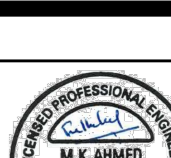
PANELBOARD GENERATOR SERVICE PANEL GP

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE	CR NO		CR NO	WATTS PER PHASE	BRKR SIZE (A)	DESCRIPTION
		A B C				A B C		
GENERATOR HEATER	30				01			SERVICE RECEPTACLE (*)
	2P				02			SPACE
LIGHTING	15				03			SPACE
SPACE					04			SPACE
SPACE					05			SPACE
SPACE					06			SPACE
SPACE					07			SPACE
					08			SPACE
					09			SPACE
					10			SPACE
					11			SPACE
(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER								
(**) ARC-FAULT INTERRUPTER CIRCUIT BREAKER								
(***) C/W LOCK-OFF DEVICES								
			</					

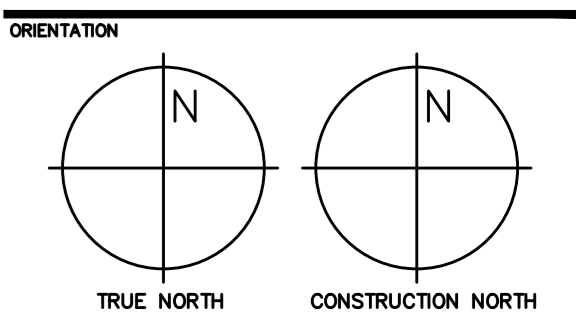
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PROJECT : TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

	 Stouffville
	 York Region
<p>THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONSULTANT.</p>	
<p>CONSULTANT</p>	
<div data-bbox="2772 1547 2810 1577">  </div> <div data-bbox="2748 1577 2831 1606"> <p>REGAL CONSULTING ENGINEERING INC. 10000 Highway 7 East, Unit 10 Richmond Hill, Ontario L4B 1A1 Tel: (905) 709-8888 Fax: (905) 709-8889 Email: info@rcei.ca</p> </div>	
<p>PROFESSIONAL SEAL</p>	
<div data-bbox="2763 1621 2819 1673">  </div>	

PANEL SCHEDULES




DATE	2024-06-06	
PROJECT No.	2024-448	
DRAWING No.	E6.1-A	REVISION -2


ISSUE OR REVISION			
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PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO


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CONSULTANT



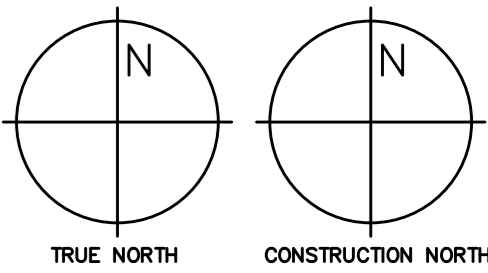
PROFESSIONAL SEAL



DWG TITLE

MECHANICAL WIRING SCHEDULE-1

ORIENTATION



DATE

2024-06-06

PROJECT No.







2024-448

DRAWING No.

E6.2-A

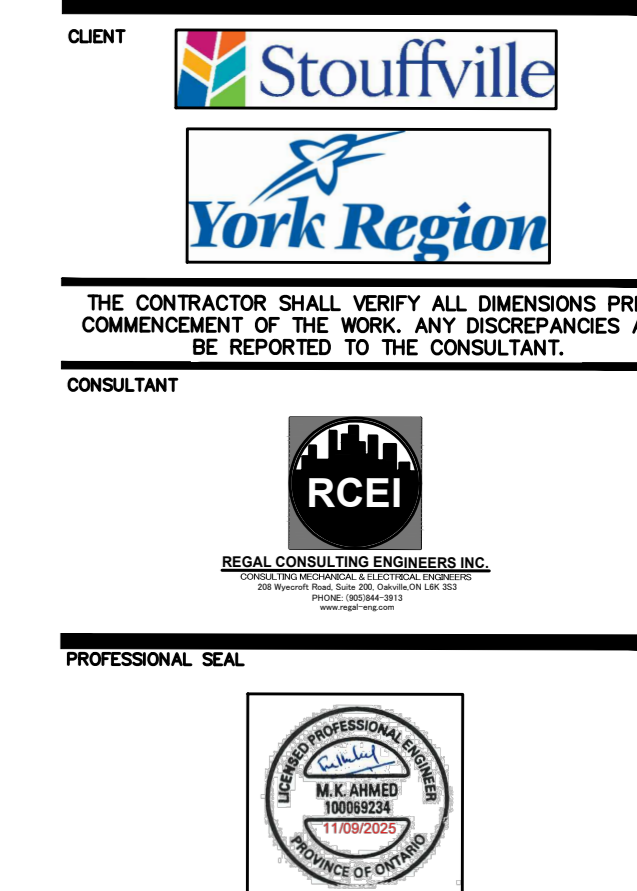
REVISION

1

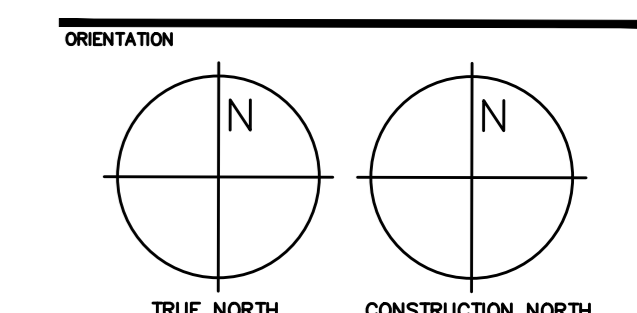
MECHANICAL EQUIPMENT WIRING SCHEDULE-1																																						
DESCRIPTION				POWER						STARTER						ACCESSORIES				ISOLATING DEVICE		CONTROL																REMARKS
NUMBER	ITEM NUMBER	ITEM	SUPPLIED BY	VOLTAGE	PHASE	H.P. /KW/AMPS	MOCP (A)	FEEDER SIZE	PANEL & CCT. NOS.	MANUAL	MAGNETIC	COMBINATION	CONTACTOR	CONTROL VOLTAGE	VFD	HAND/OFF/ AUTO	ON/OFF SELECTOR	PILOT LIGHT	WEATHERPROOF DISCONNECT	DISCONNECT	WIRED BY	MOTOR RATED SWITCH	OCCUPANCY SENSOR	VFD	TIMER	TIME CLOCK	R.A. THERMOSTAT	THERMOSTAT	SCR CONTROLLER	VARIABLE SPEED	WIRED BY	INTERLOCKED WITH	INTERLOCKED BY	26 - SUPPLIED/INSTALLED BY DIV. 26. 23 - SUPPLIED/INSTALLED BY DIV. 23. 25 - SUPPLIED/INSTALLED BY DIV. 25. O - SUPPLIED BY OWNER/OTHERS GC - SUPPLIED/INSTALLED BY GENERAL CONTRACTOR * - REFER TO REMARKS				
1	DHWT-1	DOMESTIC HOT WATER TANK	23	208	3	24 KW	70A 3P	4#3+GRD-.41mmC			✓					✓		✓		26	26						✓				25			INTEGRAL THERMOSTAT				
2	DHWT-2	DOMESTIC HOT WATER TANK	23	208	3	75 KW	210A 3P	4#250MCM+GRD-.78mmC			✓					✓		✓		26	26						✓				25			INTEGRAL THERMOSTAT				
3	RTU-1	ROOFTOP UNIT RTU-1	23	208	3	124.1 A	175 A 3P	4#3/0+GRD-.63MMC							✓	✓		✓			26										25			BAS WIRING BY DIV 25.				
4	B-1	BOILER	23	120	1	KW	20A 1P	2#12+GRD-.16MMC			✓					✓		✓		26	26										25			BAS CONTROL WIRING BY DIV 25				
5	B-2	BOILER	23	120	1	KW	20A 1P	2#12+GRD-.16MMC			✓					✓		✓		26	26										25			BAS CONTROL WIRING BY DIV 25				
6	P-1	HEATING PUMPS	23	208	3	0.75 HP	15A 3P	4#12+GRD-.21MMC							✓	✓		✓		26	26			Yes						Yes	25			VFD, BAS WIRING BY DIV 25.				
7	P-2	HEATING PUMPS	23	208		0.75 HP	15A 3P	4#12+GRD-.21MMC							✓	✓		✓		26	26			Yes						Yes	25			VFD, BAS WIRING BY DIV 25.				
8	P-3	RECIRCULATION PUMPS	23	120		97 W	15A 1P	2#12+GRD-.16MMC							✓	✓		✓		26	26										25			PUMP CONTROLLED BY OEM CONTROLLER.				
9	P-4	RECIRCULATION PUMPS	23		1	97 W	15A 1P	2#12+GRD-.16MMC			✓					✓		✓		26	26										25			PUMP CONTROLLED BY OEM CONTROLLER.				
10	CU-1	CONDENSING UNIT	23	208	1	38 MCA	60, 2P	2#6+GRD-.27mmC			✓					✓		✓		26	26										23			BAS CONTROL WIRING BY DIV 25				
11	CU-2	CONDENSING UNIT	23	208	1	9 MCA	15A, 2P	2#12+GRD-.16mmC			✓					✓		✓		26	26										23			BAS CONTROL WIRING BY DIV 25				
12	EF-1	EXH. FAN	23	115	1	3/4 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			SWITCH				
13	EF-2	EXH. FAN	23	115	1	1/15 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			BAS CONTROL WIRING BY DIV 25				
14	EF-3	EXH. FAN	23	115	1	1/4 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			BAS CONTROL WIRING BY DIV 25				
15	EF-4	EXH. FAN	23	115	1	1/15 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			BAS CONTROL WIRING BY DIV 25				
16	EF-5	EXH. FAN	23	115	1	1/10 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			SWITCH				
17	EF-6	EXH. FAN	23	115	1	80 Watts	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			CONTROLLED BY CO/NOx SENSOR.				
18	EF-7	EXH. FAN	23	115	1	24 Watts	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			CONTROLLED BY CO/NOx SENSOR.				
19	EF-8	EXH. FAN	23	115	1	76 Watts	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓				✓					26			CONTROLLED BY RAT				
20	EF-9	EXH. FAN	23	115	1	3/4 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓				✓					26			CONTROLLED BY RAT				
21	EF-10	EXH. FAN	23	115	1	3/4 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			SWITCH				
22	EF-11	EXH. FAN	23	115	1	0.125 HP	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓				✓					26			CONTROLLED BY RAT				
23	EF-12	EXH. FAN	23	115	1	128 Watts	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓				✓					26			CONTROLLED BY RAT				
24	EF-13	EXH. FAN	23	115	1	80 Watts	15A 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			SWITCH				
25	RH-1	RANGE HOOD	23	115	1		20A, 1P	2#12+GRD-.16mmC			✓					✓		✓		26	26	✓									26			SWITCH				
<div>NOTES:</div> <div>1. ISOLATION AND CONTROL DEVICES MAY NOT BE SHOWN ON PLANS FOR CLARITY PURPOSES AND SHALL BE PROVIDED AS INDICATED. COORDINATE LOCATIONS ON SITE WITH OWNER AND CONSTRUCTION MANAGER.</div> <div>2. COORDINATE EXACT ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT WITH SHOP DRAWINGS AND ACTUAL NAMEPLATE DATA, REVISE ELECTRICAL REQUIREMENTS TO SUIT ACCORDINGLY.</div> <div>3. ALL CONTROLS VOLTAGE SHALL BE PROVIDED FROM A PROPER CONTROLS TRANSFORMER MOUNTED INTEGRALLY WITH THE CORRESPONDING DEVICE/STARTER.</div> <div>4. ON/OFF CONTROL SWITCH SHALL BE MOTOR RATED FOR LOAD.</div> <div>5. ALL STATUS CONTACTS FOR ALARM AND DEVICE STATE, ETC. SHALL BE INTEGRAL WITH CONTROL DEVICE ENCLOSURE UNLESS NOTED OTHERWISE.</div> <div>6. ALL MECHANICAL EQUIPMENT FEEDERS SHALL BE RATED TO MATCH THE OVERCURRENT PROTECTION DEVICE SPECIFIED AND/OR THE FLA RATING OF THE MOTOR.</div> <div>7. PROVIDE SUITABLE NORMALLY CLOSED (ENERGIZED) RELAY IN A RATED ENCLOSURE TO OPEN ON FIRE ALARM SIGNAL. MOUNT IN EQUIPMENT HOUSING AS DIRECTED BY DIV. 23 CONTRACTOR.</div> <div>8. PROVIDE PILOT LIGHTS AT OPERATOR CONTROL IN FACE OF ENCLOSURE AS FOLLOWS: GREEN - RUNNING RED - FAILED AMBER - MANUAL</div> <div>9. ABSENCE OF ANY ILLUMINATED LIGHTS INDICATES MOTOR IS OFF AND/OR AVAILABLE FOR USE.</div> <div>10. ALL FANS AND MOTORS SHALL BE PROVIDED C/W LOCAL ISOLATION SWITCH (NOT SHOWN ON DRAWINGS).</div> <div>11. TIME CLOCK CONTROL: ELECTRONIC CONTROL OFF AT USER SELECTABLE TIME ON ANY OR ALL DAYS OF THE WEEK. SET DEFAULT FOR OWNER AS PER THEIR DIRECTION. CONTROL SHALL BE CAPABLE OF 48 ON AND OFF SET POINTS WITH MINIMUM SETTINGS OF 1 MINUTE. CONTROL SHALL AUTOMATICALLY ADJUST FOR DAYLIGHT SAVINGS AND LEAP YEARS. BATTERY BACK-UP SHALL RETAIN SCHEDULE DURING POWER OUTAGE. TORK MODEL #DGU100 OR APPROVED EQUAL.</div> <div>12. REFER TO PANEL SCHEDULES AND FLOOR PLAN FOR CIRCUITING.</div> <div>13. DIVISION 23-MECHANICAL, DIVISION 25 -BUILDING AUTOMATION SYSTEM, DIVISION 26- ELECTRICAL.</div>																																						

ISSUE OR REVISION		
NO.	ISSUED FOR	(dd.mm.yy)
1	REVIEW	23.10.2024
2	REVIEW	01.10.2024
3	60% CD	21.02.2025
4	90% CD & BUILDING PERMIT	13.06.2025
5	BUILDING PERMIT	01.08.2025
6	ADDENDUM ME-1	05.09.2025
7	ADDENDUM ME-2	11.09.2025

PROJECT : TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO



DWG TITLE
MECHANICAL WIRING
SCHEDULE-2

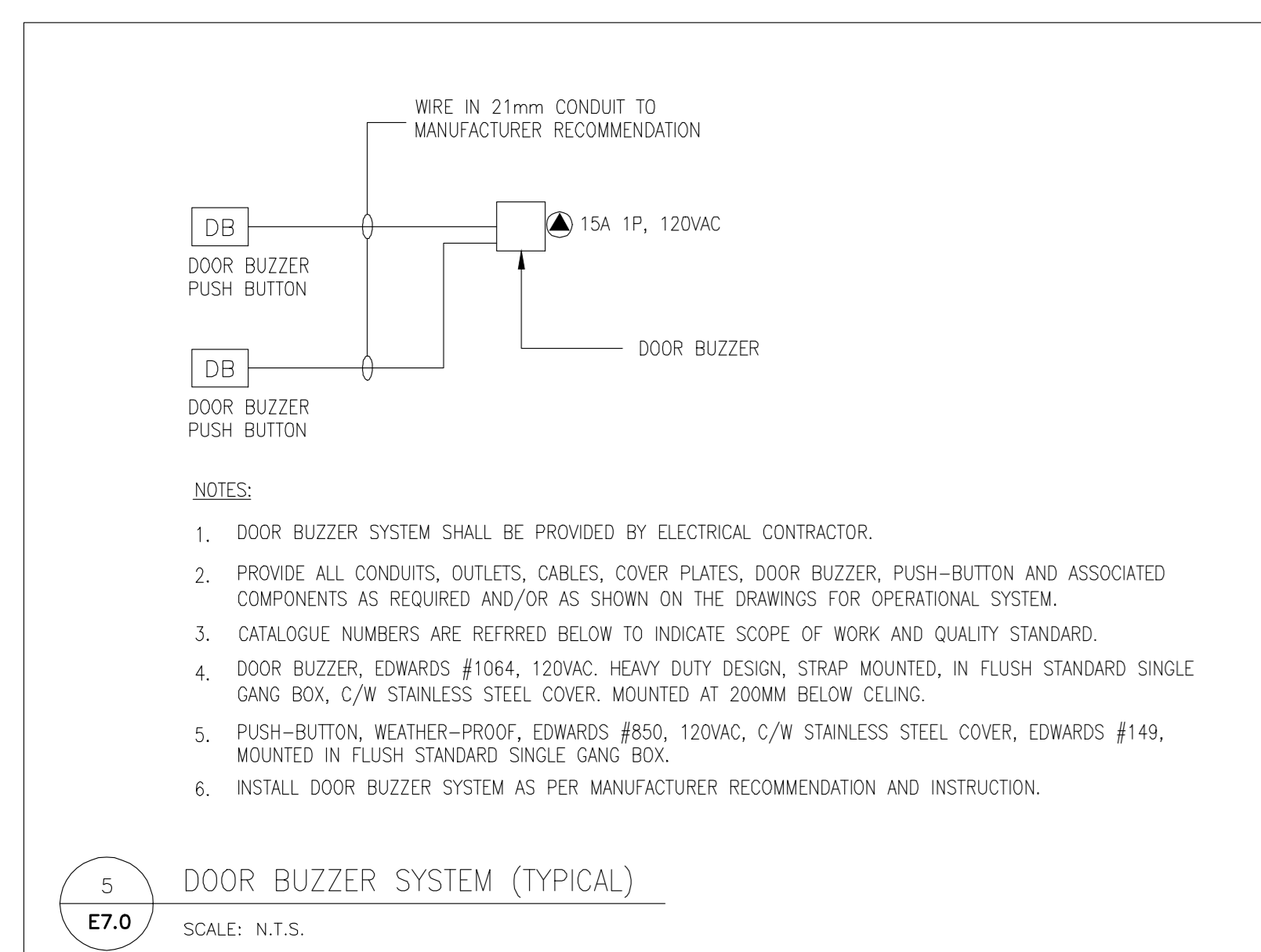
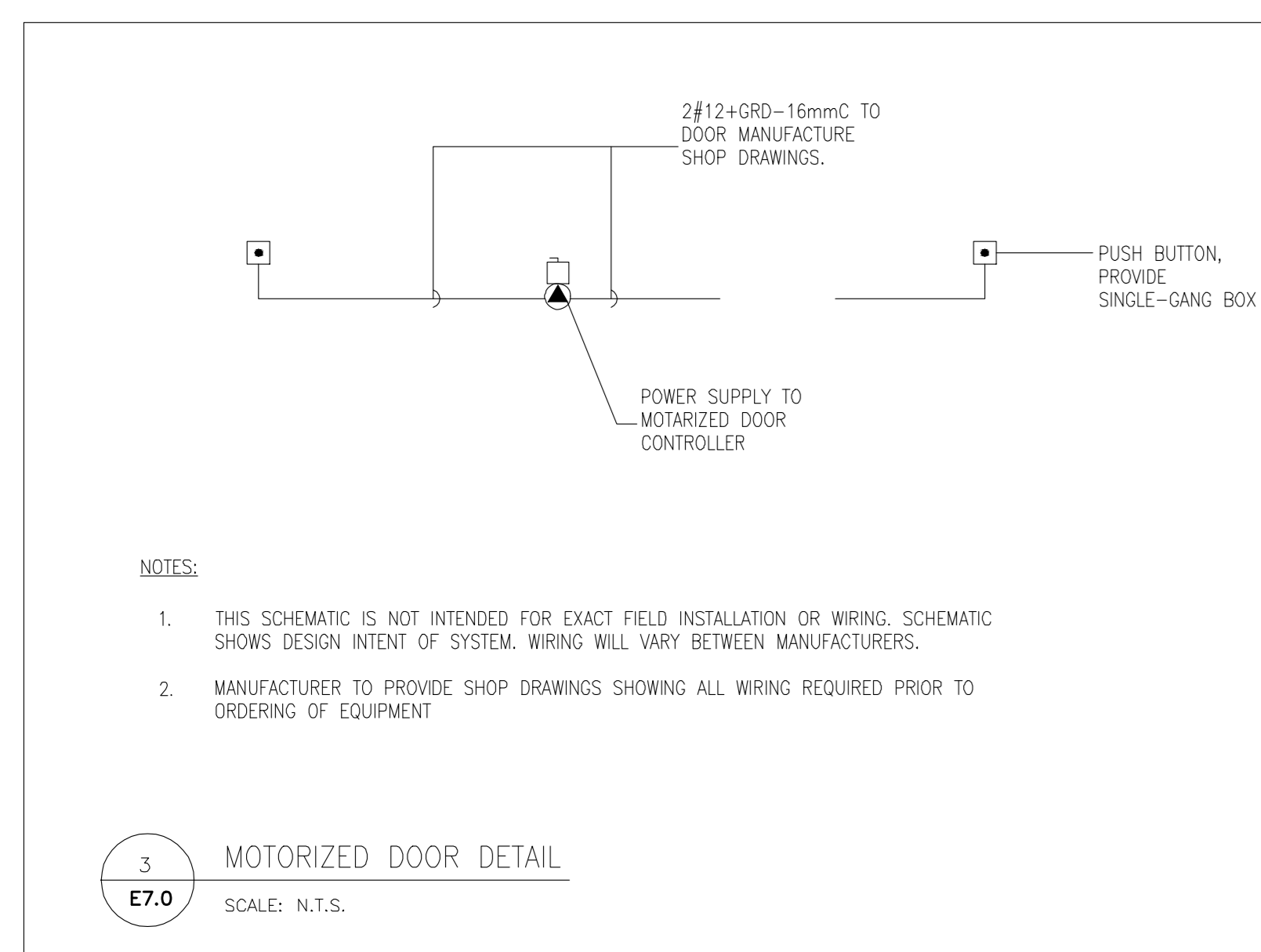
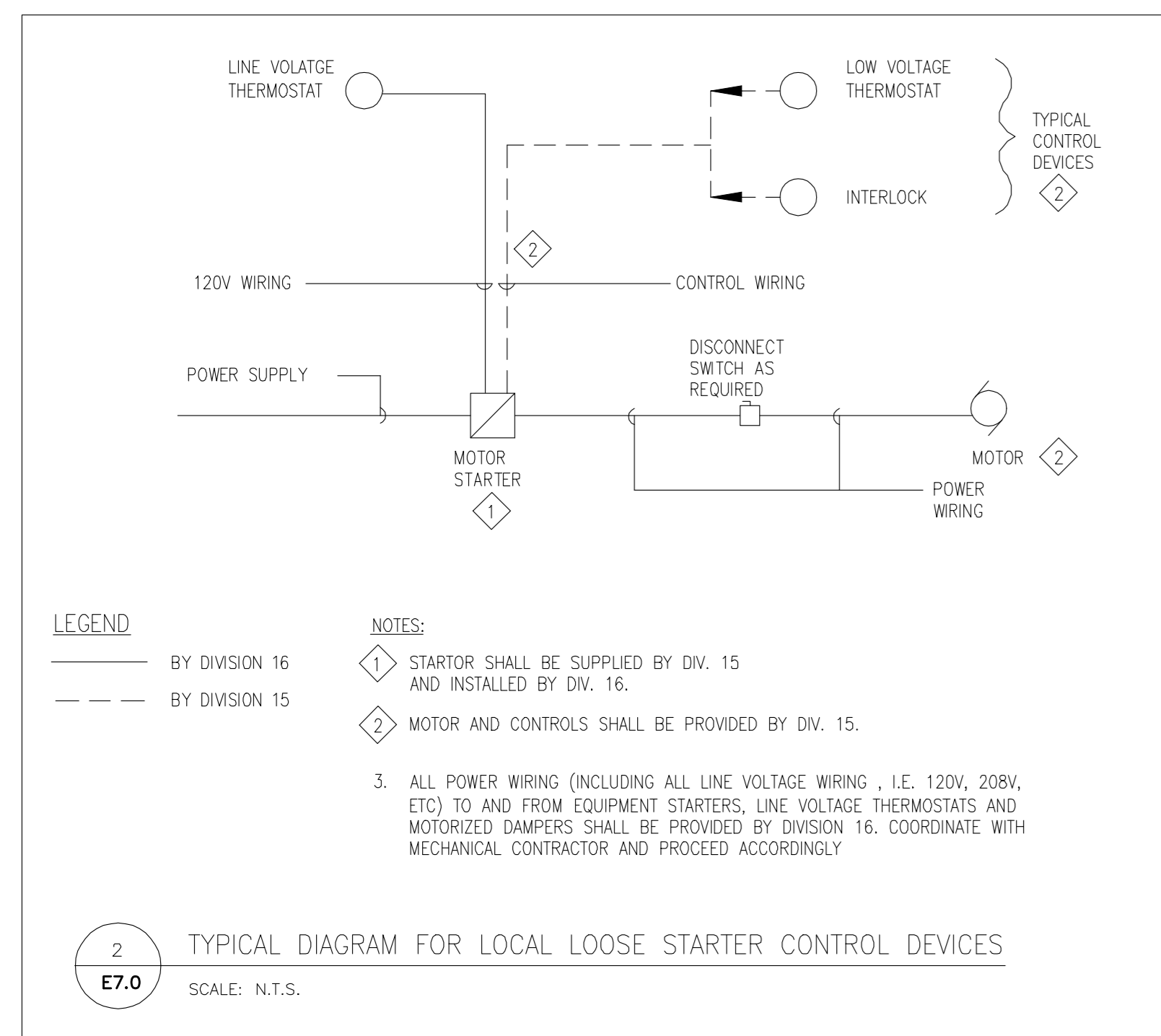
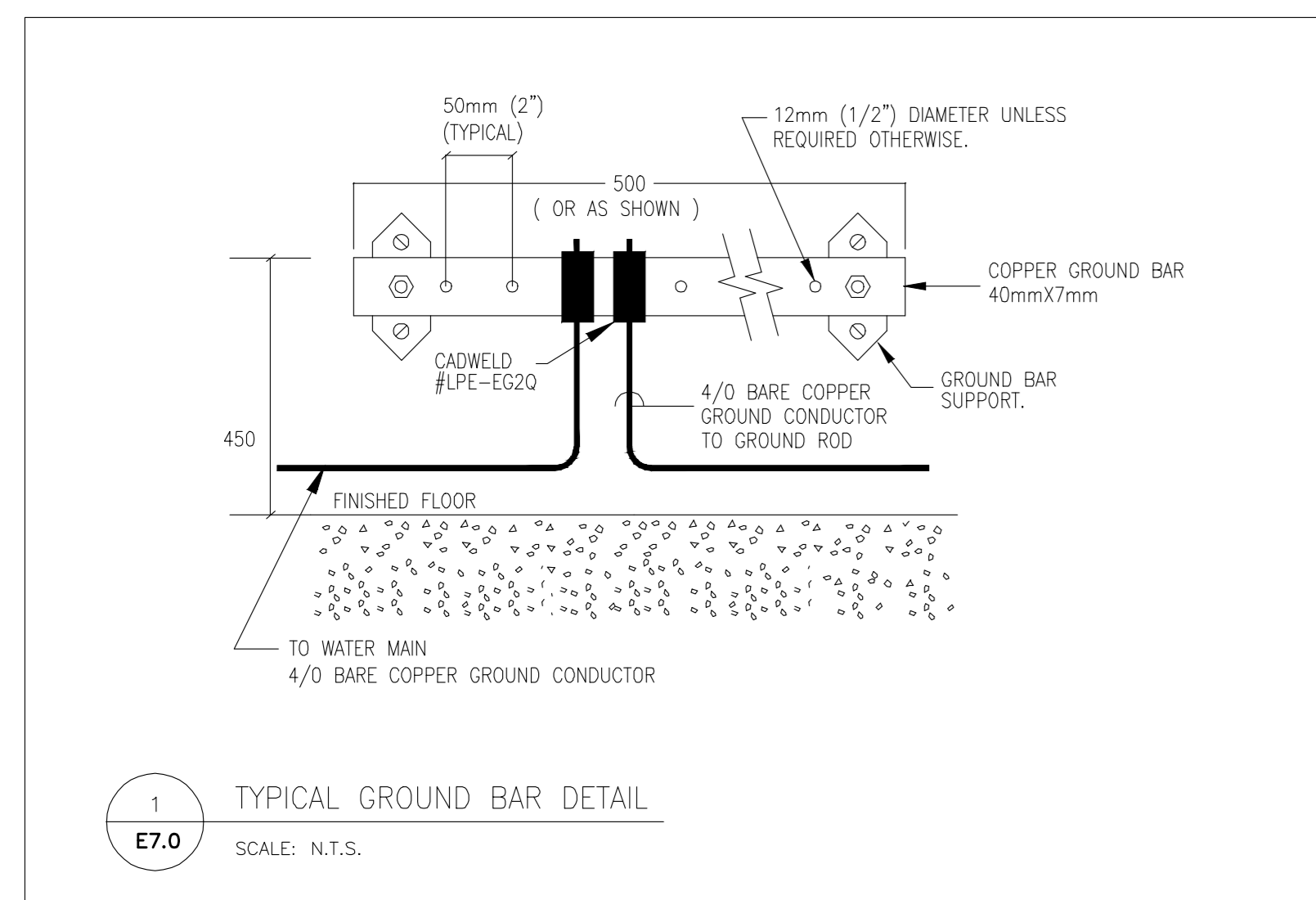


DATE 2024-06-06

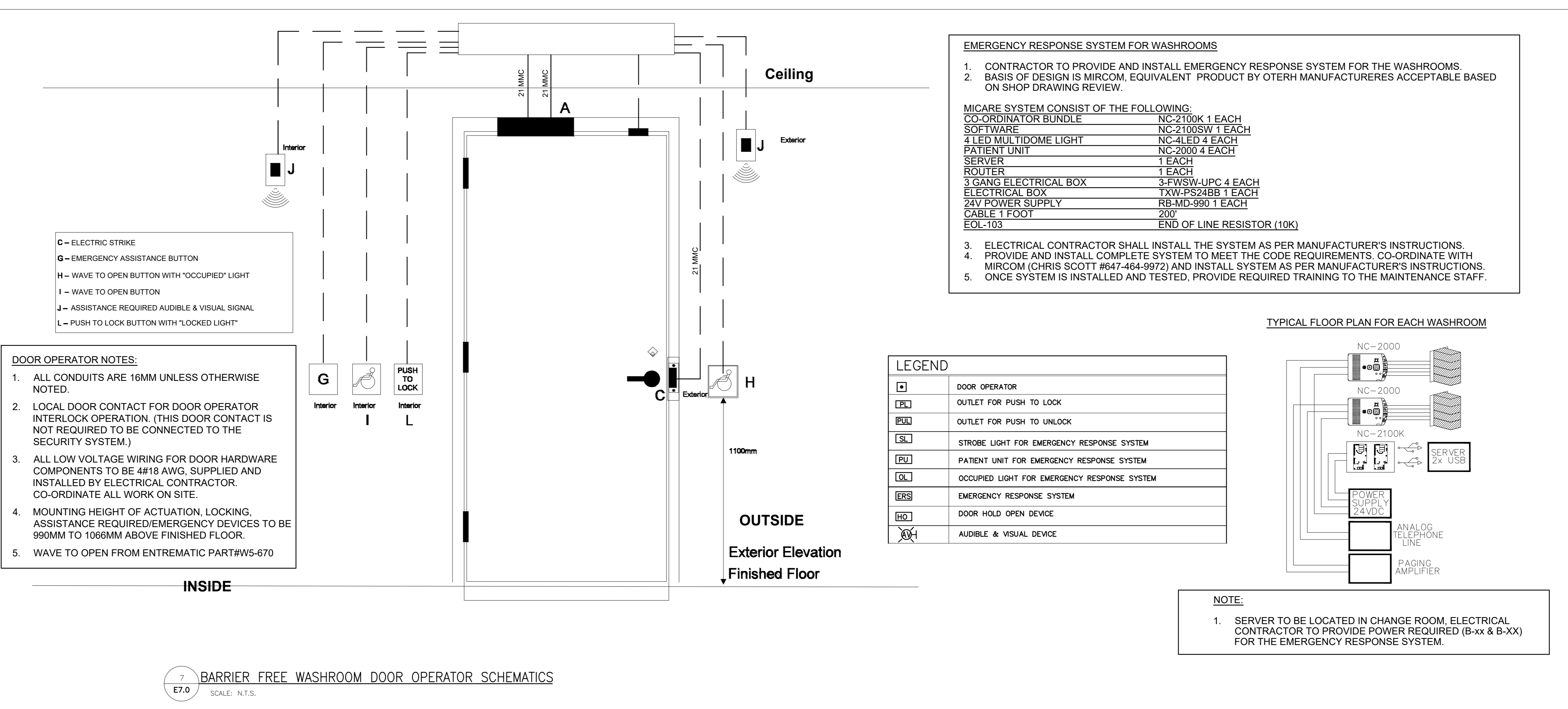
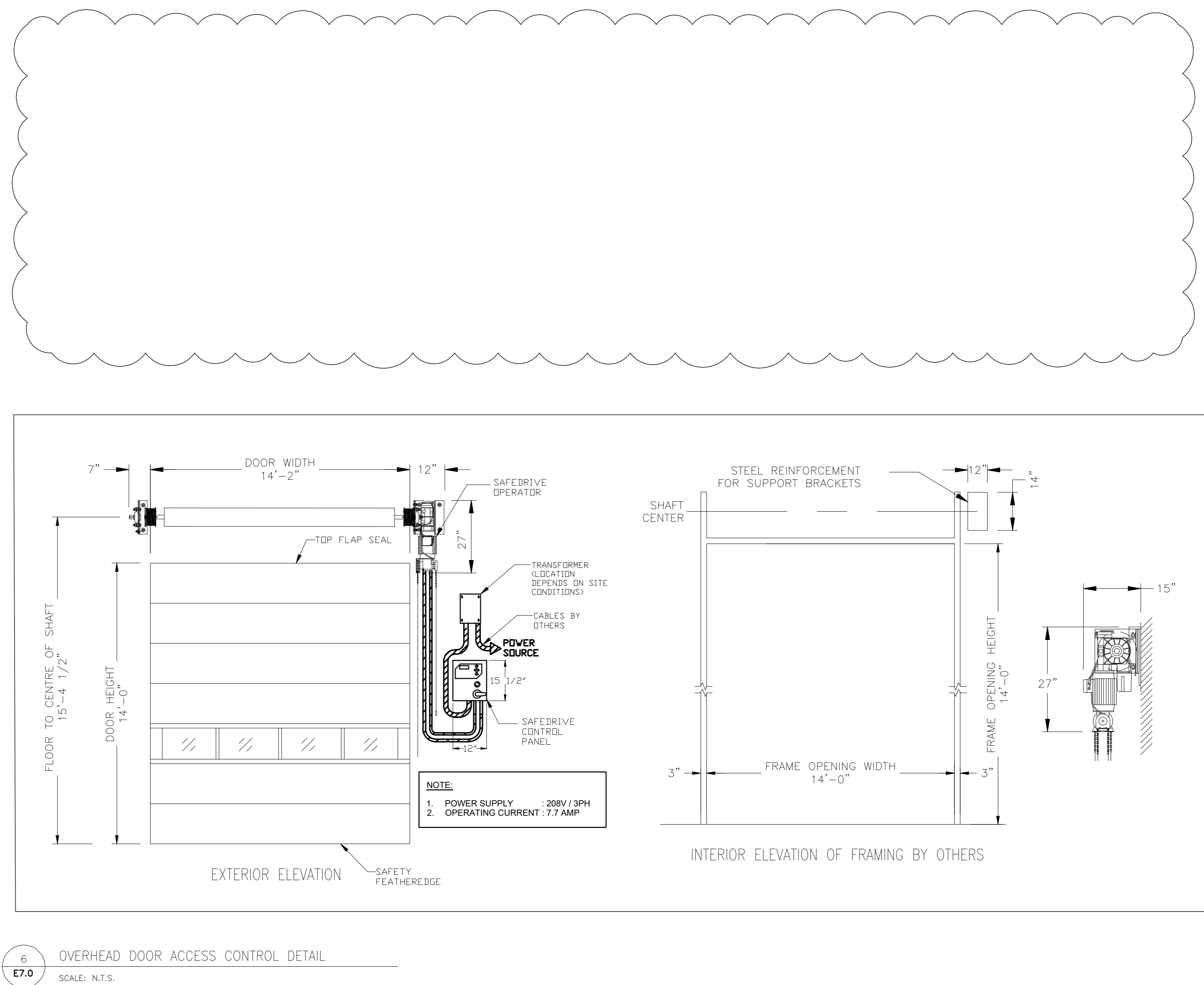
PROJECT No. 2024-448

DRAWING No. E6.3-A REVISION 1

MECHANICAL EQUIPMENT WIRING SCHEDULE-2																																				
DESCRIPTION				POWER							STARTER						ACCESSORIES			ISOLATING DEVICE		CONTROL														REMARKS
NUMBER	ITEM NUMBER	ITEM	SUPPLIED BY	VOLTAGE	PHASE	H. P. /KW/ AMPS	MOCF (A)	FEEDER SIZE	PANEL & CCT. NOS.	MANUAL	MAGNETIC	COMBINATION	CONTACTOR	CONTROL VOLTAGE	VFD	HAND/OFF/AUTO	ON/OFF SELECTOR	PILOT LIGHT	WEATHERPROOF DISCONNECT	DISCONNECT	WIRED BY	MOTOR RATED SWITCH	OCCUPANCY SENSOR	VFD	TIMER	TIME CLOCK	R.A. THERMOSTAT	THERMOSTAT	SCR CONTROLLER	VARIABLE SPEED	WIRED BY	INTERLOCKED WITH	INTERLOCKED BY	26 - SUPPLIED/INSTALLED BY DIV. 26. 23 - SUPPLIED/INSTALLED BY DIV. 23. 25 - SUPPLIED/INSTALLED BY DIV. 25. O - SUPPLIED BY OWNER/OTHERS GC - SUPPLIED/INSTALLED BY GENERAL CONTRACTOR * - REFER TO REMARKS		
	FFH-1	FORCE FLOW HEATER	23	120	1	1.5 KW	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
	FFH-2	FORCE FLOW HEATER	23	120	1	1.5 KW	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26								✓			23			BAS CONTROL WIRING BY DIV 25		
	UH-1	ELECTRIC UNIT HEATER	23	208	1	3 KW	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26								✓			23			BAS CONTROL WIRING BY DIV 25		
	BB-1	ELECTRIC BASEBOARD	23	120	1	750 W	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26								✓			23			BAS CONTROL WIRING BY DIV 25		
	BB-2	ELECTRIC BASEBOARD	23	120	1	500 W	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
	BB-3	ELECTRIC BASEBOARD	23	120	1	500 W	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
	BB-4	ELECTRIC BASEBOARD	23	120	1	500 W	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
	IR-1	IR HEATER	23	120	1		15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
	IR-2	IR HEATER	23	120	1		15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
42	IR-3	IR HEATER	23	120	1		15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
43	IR-4	IR HEATER	23	120	1		15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
44	IR-5	IR HEATER	23	120	1		15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26								✓			23			BAS CONTROL WIRING BY DIV 25		
45	UH-2	UNIT HEATER	23	120	1	1 /20 HP	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26								✓			23			BAS CONTROL WIRING BY DIV 25		
46	UH-3	UNIT HEATER	23	120	1	1 /20 HP	15A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
47	F-1	FURNACE	23	120		12 A	20A, 1P	2#12+GRD-16MMC	2		✓					✓		✓		26	26							✓			23			BAS CONTROL WIRING BY DIV 25		
52	DF-1	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
53	DF-2	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
54	DF-2	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
55	DF-2	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
56	DF-2	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
57	DF-2	DESTRATIFICATION FAN	26	120	1		15A, 1P	2#12+GRD-16mmC	2		✓					✓		✓		26	26	✓						✓			26			SWITCH		
58	ERV-1	ENERGY RECOVERY VENTILATOR	26	208	3	38 A	40 A	4#8+GRD-27mmC	2		✓					✓		✓		26	26							✓			26			BAS CONTROL WIRING BY DIV 25		
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13. DIVISION 23-MECHANICAL, DIVISION 25 -BUILDING AUTOMATION SYSTEM, DIVISION 26- ELECTRICAL.																																				



- NOTES: RE: SECURITY ACCESS
1. SECURITY DOOR ACCESS SYSTEM CONTRACTOR WILL PROVIDE THE FOLLOWINGS:
 1. DOOR CARD ACCESS EQUIPMENT INCLUDING POWER SUPPLY, CONTROL PANEL, CABLES, PROXIMITY CARD READER, EXIT PUSH BUTTON, GLASS BREAK SENSOR, MOTION SENSOR, SIREN HORN, DOOR CONTACT AND ARM/DISARM KEYPAD,
 2. WIRING AND FINAL CONNECTION FROM DEVICES TO CONTROL PANEL.
 3. WIRING AND FINAL CONNECTION FROM POWER SUPPLY TO CONTROL PANEL.
 4. ALL WIRING INTERFACE BETWEEN BARRIER FREE DOOR OPERATOR, AUTOMATIC SLIDING DOOR AND DOOR ACCESS CONTROL SYSTEM.
 5. WIRING AND CONNECTION FOR DOOR STRIKES ,12/24VOLT DC/AC. POWER SUPPLY FOR STRIKE WILL BE PART OF DOOR ACCESS CONTROLLER.
 6. INSTALL TIME DELAY MODULE FOR BARRIER FREE OPERATOR INCLUDING WIRING INTERFACE
 2. GENERAL CONTRACTOR WILL PROVIDE THE FOLLOWINGS
 1. 12/24VOLT DC/AC DOOR ELECTRIC STRIKES.
 2. BARRIER FREE DOOR ELECTRIC OPERATOR AND PUSH BUTTONS.
 3. SUPPLY TIME DELAY MODULE FOR BARRIER FREE OPERATOR.
 3. ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWINGS:
 1. COMPLETE RACEWAY SYSTEM COMPLETE WITH CONDUIT, PULL BOXES, OUTLETS AND ALL NECESSARY MATERIALS AS REQUIRED AND/OR SHOWN ON THE DRAWINGS READY FOR DOOR ACCESS SYSTEM CONTRACTOR EQUIPMENT AND CABLE INSTALLATION.
 2. WIRING AND 120 VOLT CONNECTION FOR BARRIER FREE DOOR OPERATOR, WIRING AND FINAL CONNECTION TO PUSH BUTTON.
 3. ALL CONDUITS SHALL BE 21mm UNLESS OTHERWISE NOTED.
 4. ALL WALL AND FLOOR PENETRATIONS SHALL BE FILLED WITH FIRE STOPPING MATERIAL AS PER CODE AND FINISHED TO MATCH EXISTING SURFACE.
 5. THE PLYWOOD BACKBOARDS SHALL BE SUPPLIED AND INSTALLED BY DIVISION 16.
 6. PROVIDE #6 COPPER GROUND WIRE TO EACH PLYWOOD BACKBOARD AND CONNECT TO MAIN BUILDING GROUND IN MAIN ELECTRICAL ROOM.
 7. COORDINATE WITH SECURITY DOOR ACCESS SYSTEM SUPPLIER FOR EXACT SIZE OF CONDUIT, BACK BOXES, EXACT LOCATION AND MOUNTING HEIGHT, PRIOR TO INSTALLATION.
 8. CONDUIT LAYOUT IS SHOWN FOR SCHEMATIC ONLY. CONTRACTOR SHALL OBTAIN SHOP DRAWINGS FROM SECURITY CONSULTANT/CONTRACTOR PRIOR TO INSTALLATION AND/OR ROUGH-IN. FOR EXACT LOCATION AND QUANTITIES OF OUTLETS, REQUIREMENT FOR EACH DOOR REFER TO FLOOR PLANS.
 9. ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER BID AND ASSUME RESPONSIBILITY TO PROVIDE THE COMPLETE DOOR ACCESS CONTROL SYSTEM AND ALL NECESSARY COORDINATION WITH DOOR ACCESS SYSTEM CONTRACTOR. EXTRA CLAIM FOR COORDINATION IS NOT ALLOWED.
 10. PROVIDE 3 IP ADDRESSES FOR THE SECURITY ACCESS CONTROL PANEL, AS WELL AS DEDICATED 120V AC BREAKER.



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ISSUE OR REVISION		
NO.	ISSUED FOR	(dd.mm.yy)
1	REVIEW	23.10.2024
2	REVIEW	01.10.2024
3	60% CD	21.02.2025
4	90% CD & BUILDING PERMIT	13.06.2025
5	BUILDING PERMIT	01.08.2025
6	ADDENDUM ME-1	05.09.2025
7	ADDENDUM ME-2	11.09.2025

PROJECT : TOWN OF WS FIRE STATION & YORK
REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

4902 AURORA ROAD, WHITCHURCH—STOUFFVILLE, ONTARIO

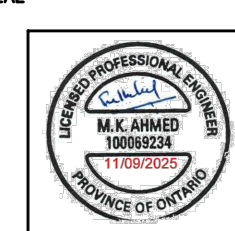
COLEMAN

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THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

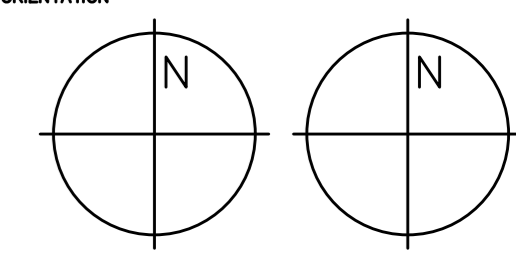
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NAME _____

ELECTRICAL DETAILS-1

ORIENTAD



DATE 2024-06-06

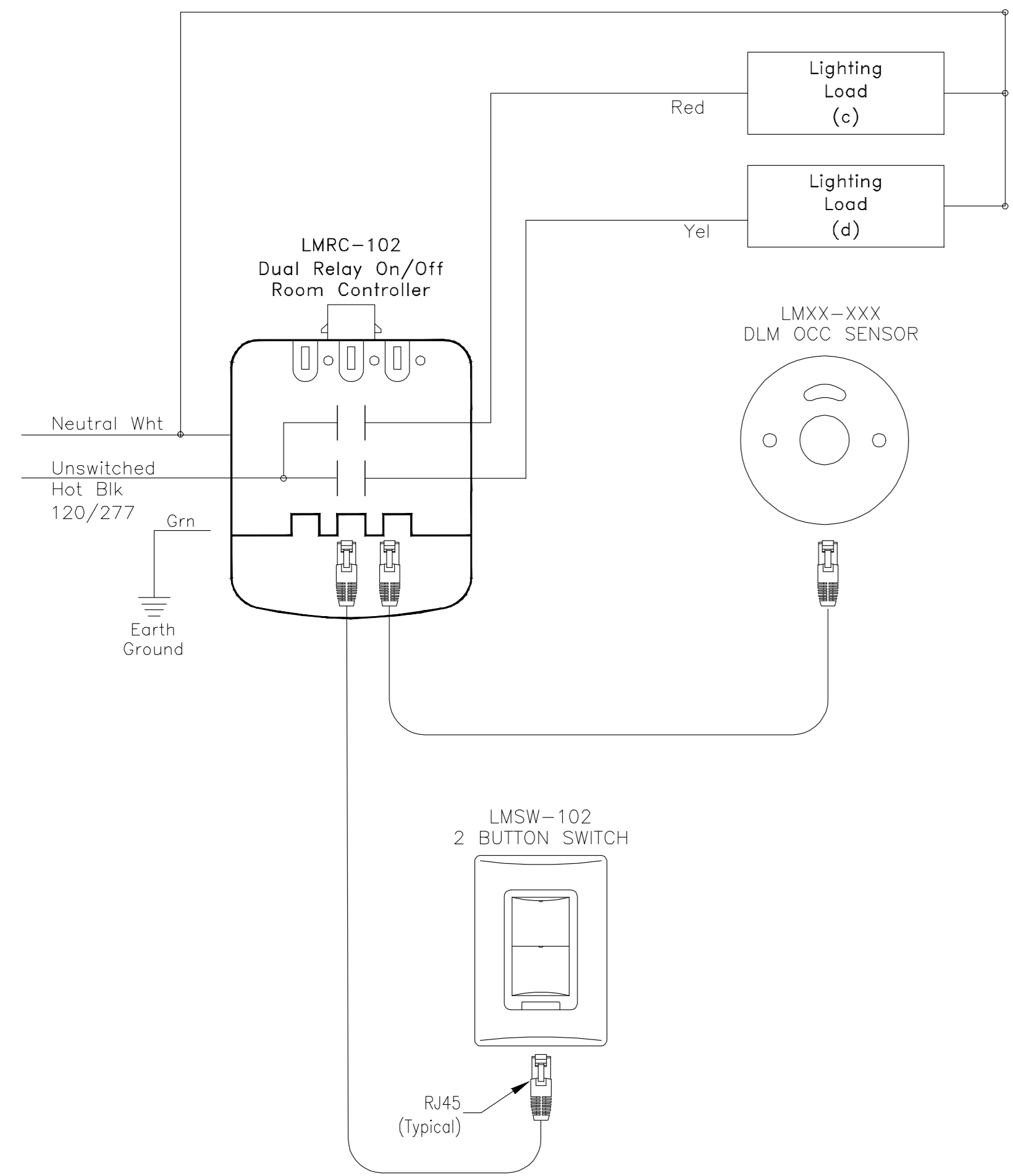
PROJECT No. 2024-44

DRAWING No. **E7.0-A**

25-06-19 1:33:31

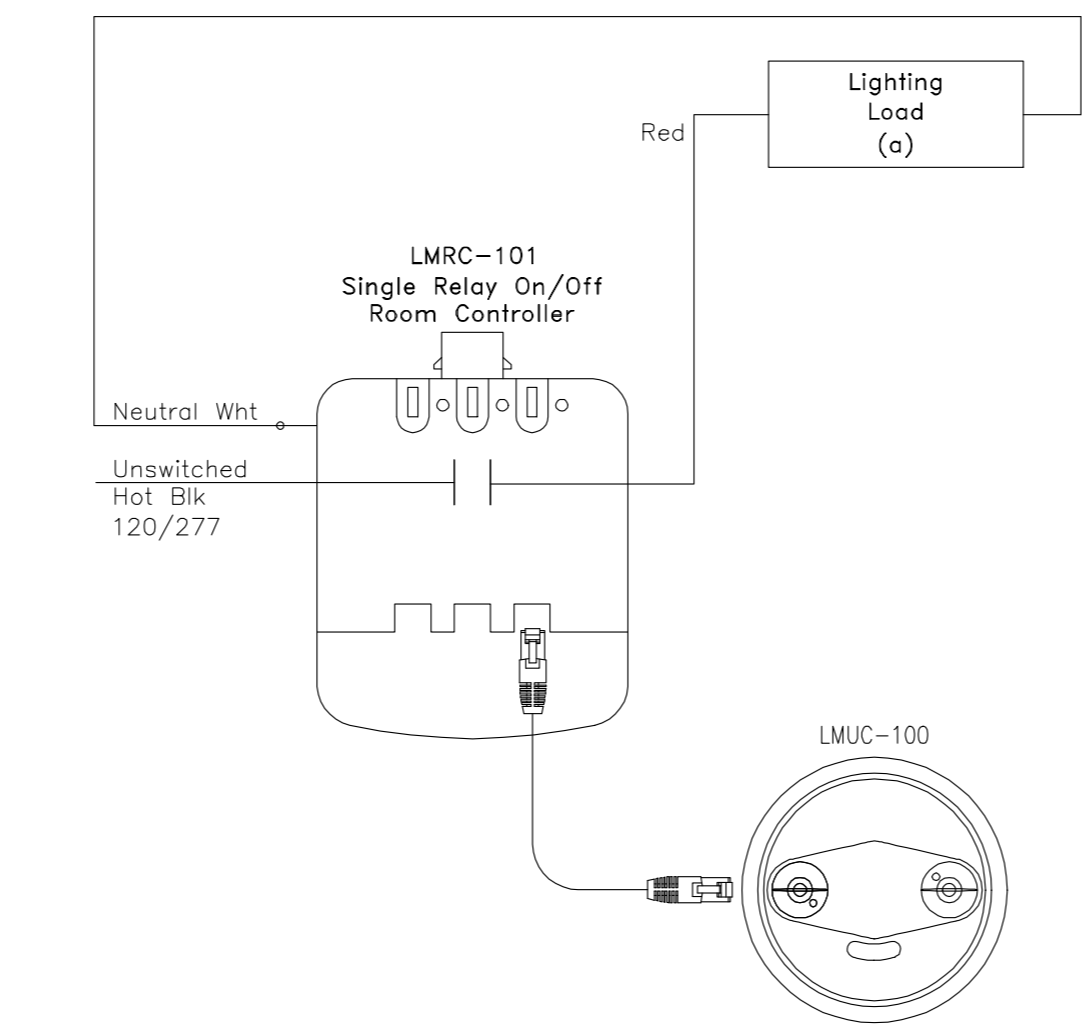
OFFICE (TYPICAL)

- AUTO ON 50%, MANUAL ON 100%
- AUTO OFF AFTER VACANCY VIA OCCUPANCY SENSOR
- PLUG LOAD TURNS CONTROLLED RECEPTACLE OFF AFTER VACANCY VIA OCCUPANCY SENSOR



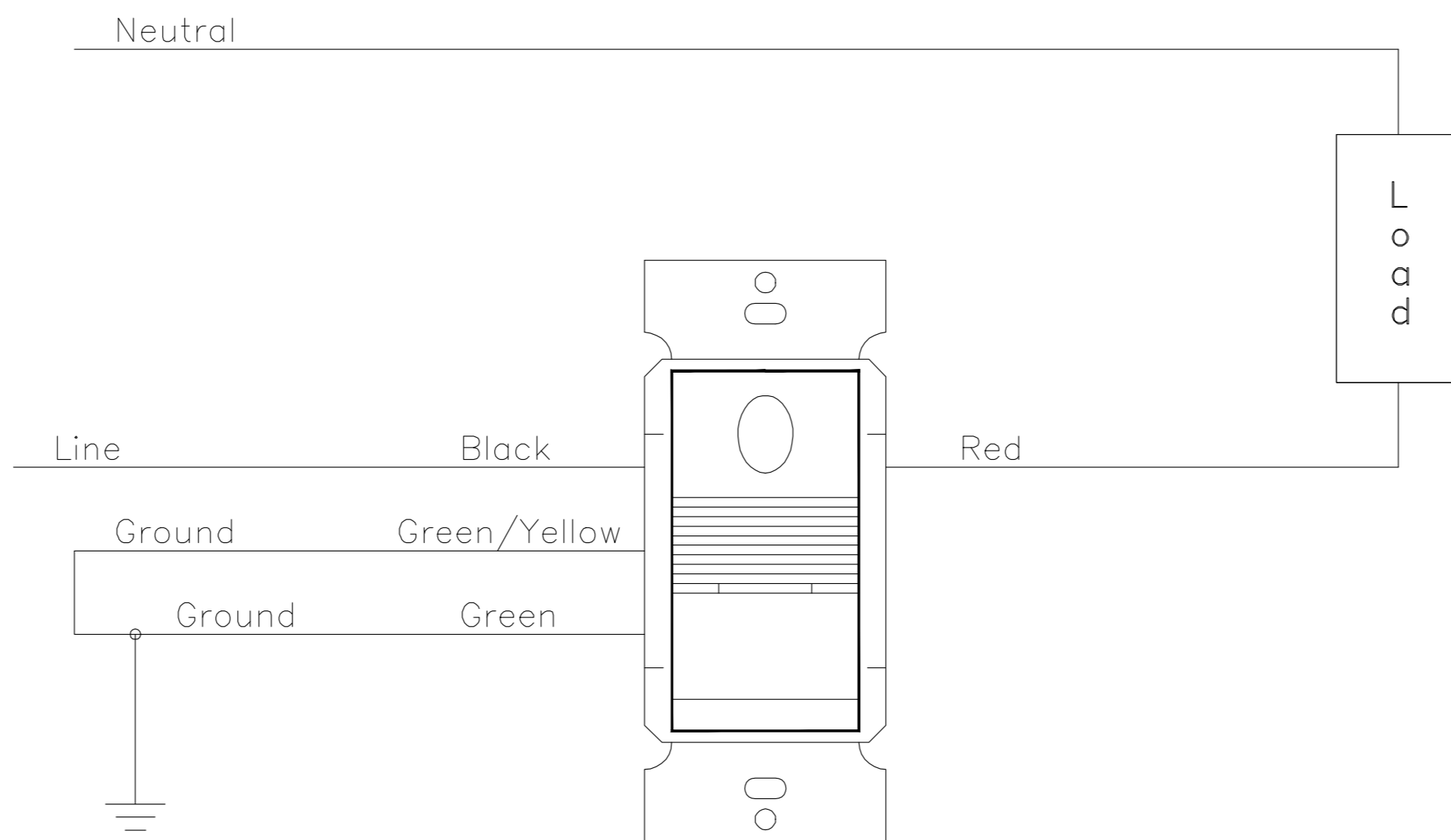
WASHROOMS

- AUTO ON 100%
- AUTO OFF AFTER VACANCY VIA OCCUPANCY SENSOR
- USE OF ULTRASONIC OR DUAL TECHNOLOGY SENSOR



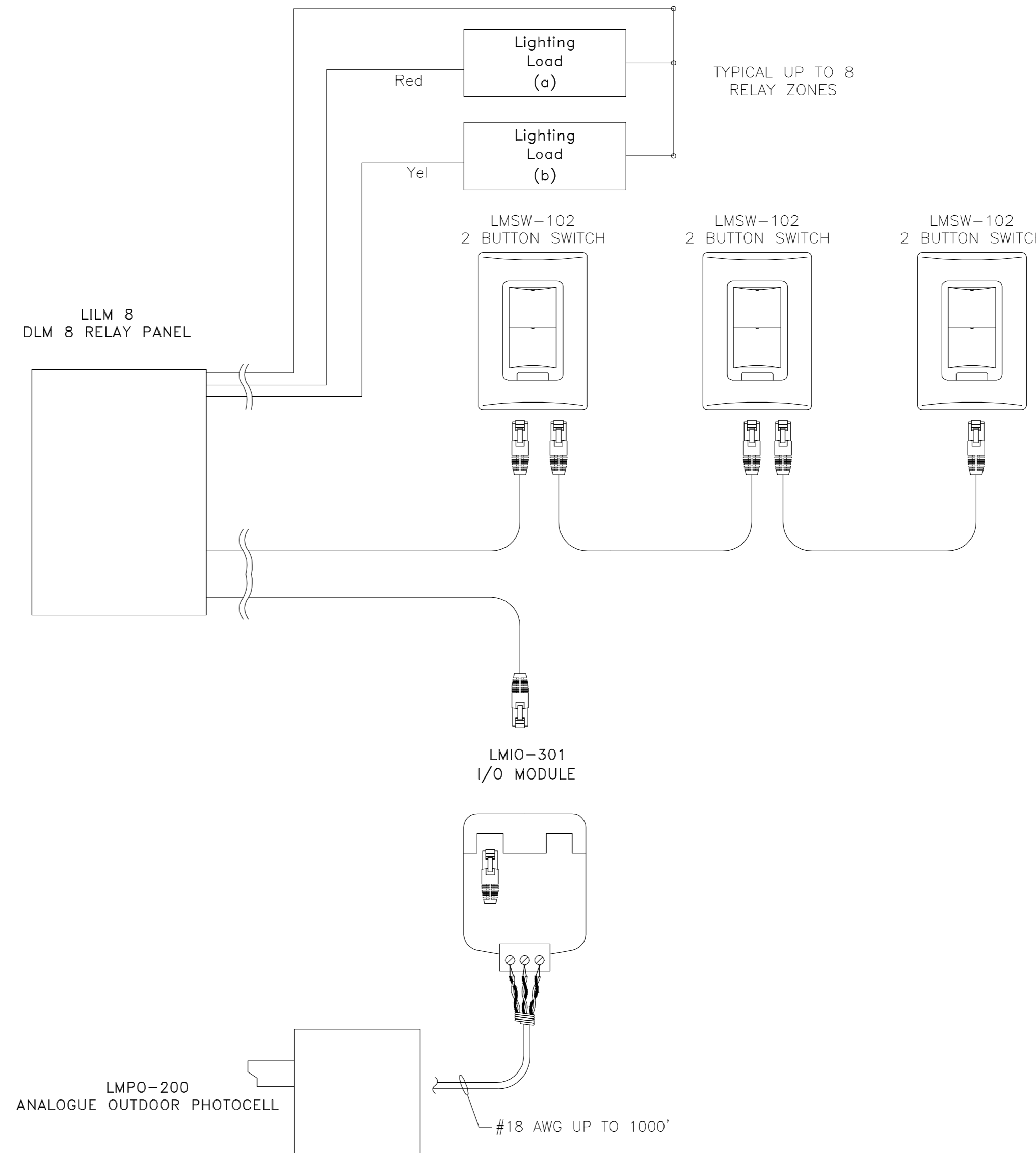
STORAGE ROOMS

- AUTO ON 100%
- AUTO OFF AFTER 15 MIN OF VACANCY VIA OCCUPANCY SENSOR



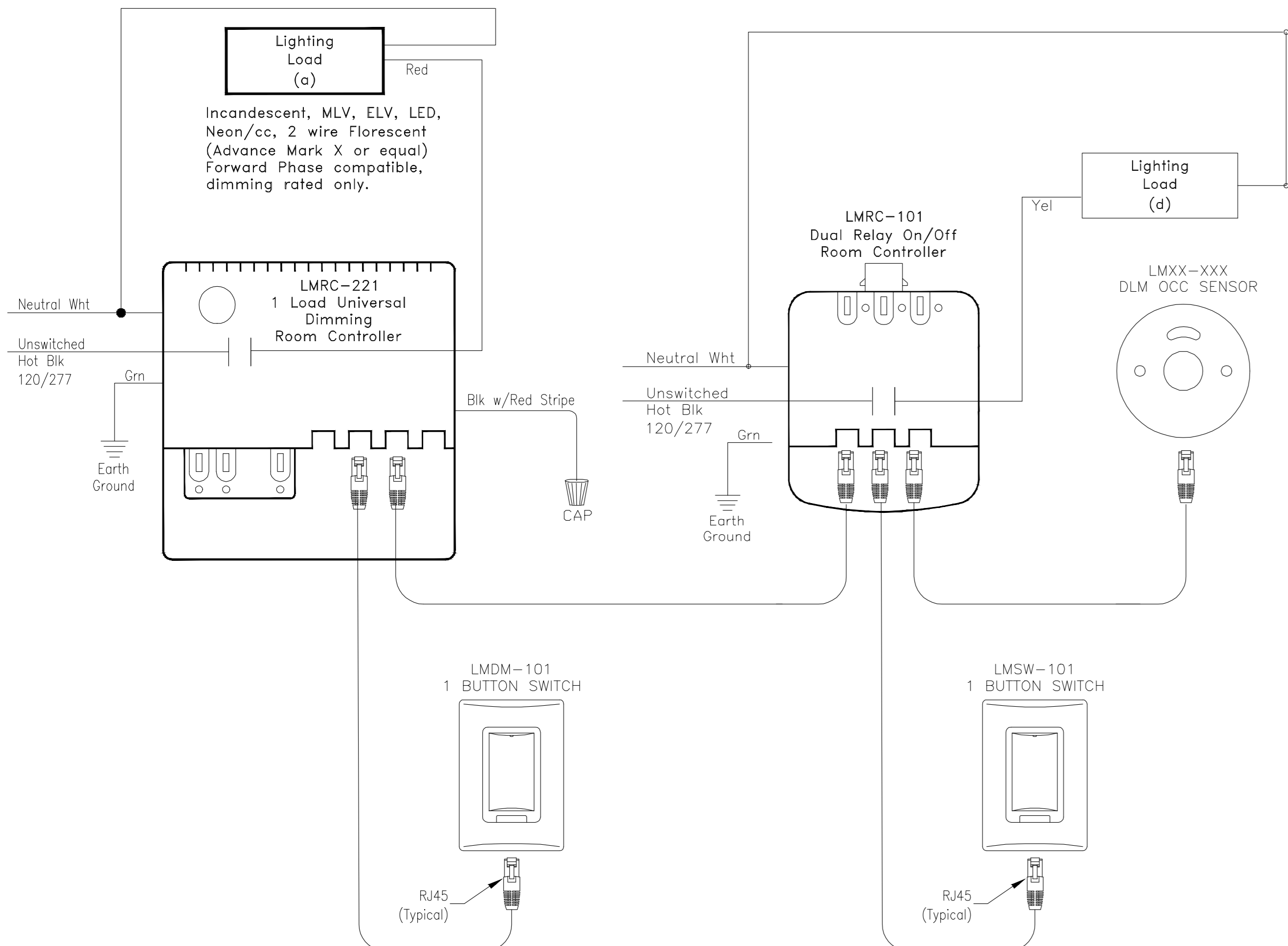
COMMON SPACES (RELAY PANEL)

- MANUAL ON / OFF
- SWITCHES LOCATED AT ENTRANCE(S)
- OUTDOOR LIGHTING CONTROLLED VIA PHOTOCELL



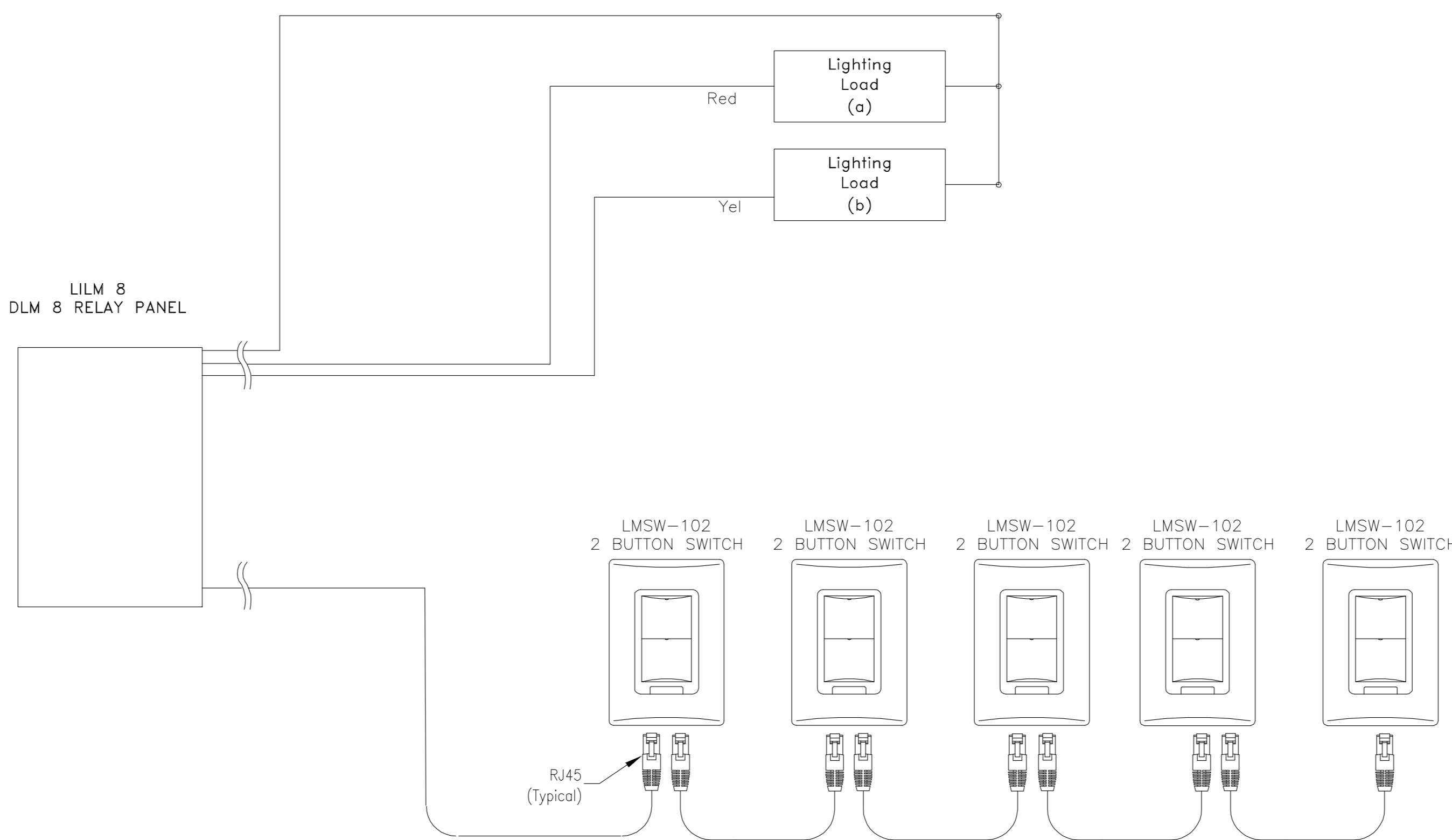
DORM (TYPICAL)

- MANUAL ON
- AUTO OFF AFTER VACANCY VIA OCCUPANCY SENSOR



APPARATUS BAY

- MANUAL AND/OR PROGRAMMING ON / OFF
- SWITCHES LOCATED AT ENTRANCE(S)



NOTES:

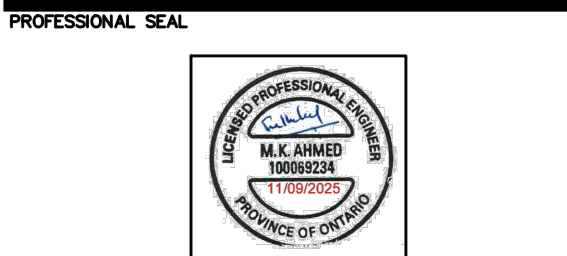
- THESE DETAILS ARE SCHEMATIC AND FOR COORDINATION PURPOSES ONLY. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE LIGHTING CONTROL MANUFACTURER OR SUPPLIER TO OBTAIN ALL REQUIRED INSTALLATION DETAILS AND INSTRUCTIONS PRIOR TO ROUGH-IN TO ENSURE A FULLY FUNCTIONAL SYSTEM.
- REFER TO THE FLOOR PLANS FOR THE EXACT LOCATIONS AND QUANTITIES OF DEVICES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, POSITIONS, AND MOUNTING HEIGHTS WITH THE SUPPLIER OR MANUFACTURER PRIOR TO ROUGH-IN.
- LIGHTING CONTROLS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH ASHRAE 90.1. PROVIDE ALL NECESSARY MATERIAL AND LABOR TO FURNISH A COMPLETE AND FULLY OPERATIONAL LIGHTING CONTROL SYSTEM IN CONFORMITY WITH APPLICABLE CODES AND STANDARDS.
- PROGRAMMING, SCHEDULING, AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM SHALL BE PROVIDED AS PER THE OWNER'S REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIGURING ALL CONTROLS TO MATCH THE SCHEDULES, SCENES, AND FUNCTIONALITY SPECIFIED BY THE CLIENT.
- THE CONTRACTOR SHALL ASSURE COMPATIBILITY BETWEEN LIGHTING CONTROL COMPONENTS AND LED DRIVERS. PROVIDE ALL NECESSARY MATERIAL AND LABOR TO INTEGRATE COMPONENTS INTO A FULLY FUNCTIONAL AND RELIABLE LIGHTING CONTROL SYSTEM IN CONFORMITY WITH MANUFACTURER INSTRUCTIONS.
- THE CONTRACTOR SHALL COORDINATE POWER REQUIREMENTS FOR THE LIGHTING CONTROL PANELS, RELAYS, DRIVERS, SENSORS, OR OTHER RELATED DEVICES.
- ALL LOW VOLTAGE WIRING FOR SENSORS, SWITCHES, OR CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION, NEC, AND LOCAL CODES.
- THE CONTRACTOR IS RESPONSIBLE FOR LABELING ALL LIGHTING CONTROL DEVICES, RELAYS, DRIVERS, SENSORS, OR PANELS FOR EASY IDENTIFICATION.
- TRAINING OF OWNER'S FACILITY MANAGEMENT OR MAINTENANCE STAFF ON THE OPERATION OF THE LIGHTING CONTROL SYSTEM IS TO BE PROVIDED BY THE CONTRACTOR OR MANUFACTURER'S REPRESENTATIVE.

ISSUE OR REVISION			
NO.	ISSUED FOR	(dd.mm.yy)	
1	REVIEW	23.10.2024	
2	REVIEW	01.10.2024	
3	FOR CD	21.02.2025	
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5	BUILDING PERMIT	01.08.2025	
6	ADDENDUM ME-1	05.09.2025	
7	ADDENDUM ME-2	11.09.2025	

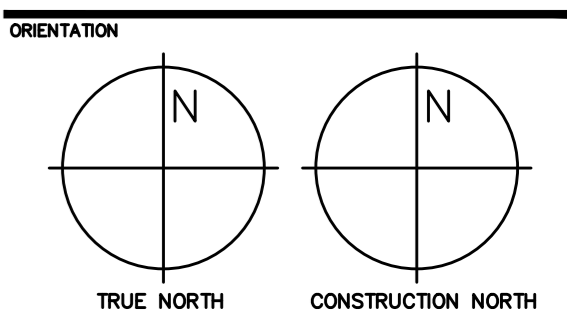
PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.



DWG TITLE
ELECTRICAL DETAILS-4
FIRE STATION LIGHTING CONTROL SYSTEM DETAILS



DATE 2024-06-06

PROJECT No. 2024-448

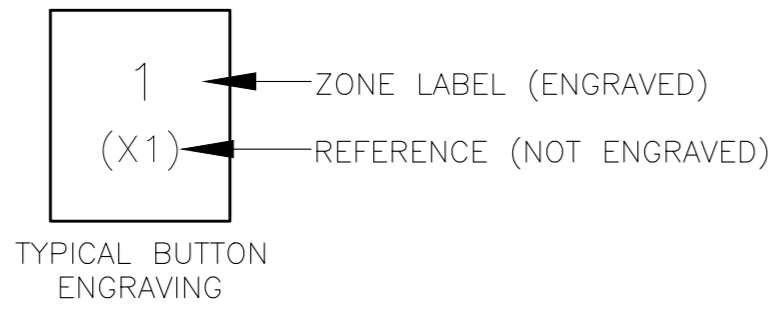
DRAWING No. E7.2 - A-1

REVISION

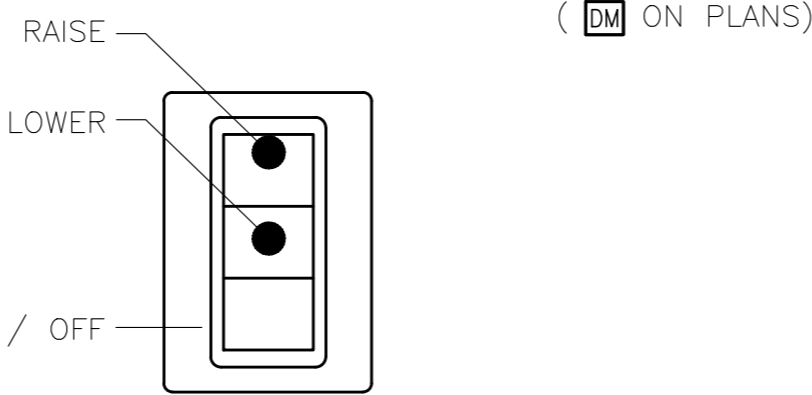
\$	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
\$ ^{OS}	OCCUPANCY SENSOR (PASSIVE)
OSD/OSR \$	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY
OS	DIGITAL CEILING MOUNTED MOTION SENSOR
DR	DIGITAL ROOM CONTROLLER
PC	PHOTOCELL
XB	DIGITAL WALL STATION, 'X' DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG

NOTES:

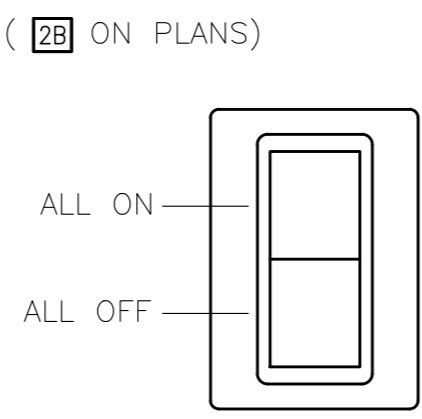
1. REFER TO LIGHTING PLANS FOR GROUPINGS.
2. WALL STATION BUTTONS TO BE ENGRAVED WITH LABELS ACCORDING TO LEVEL AS NOTED. COORDINATE LABELS WITH PRS STATION REPRESENTATIVE. PROVIDE BUTTON ENGRAVING WORKSHEET WITH SHOP DRAWING SUBMISSION FOR REVIEW. WORKSHEETS TO BE COMPLETED FOR EACH CONTROL STATION GROUP. REFER TO THE LIGHTING CONTROL SYSTEM SPECIFICATIONS.
3. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING PROGRAMMING OF INPUT DEVICES AND DIGITAL WALL STATIONS PER ROOM TYPE.



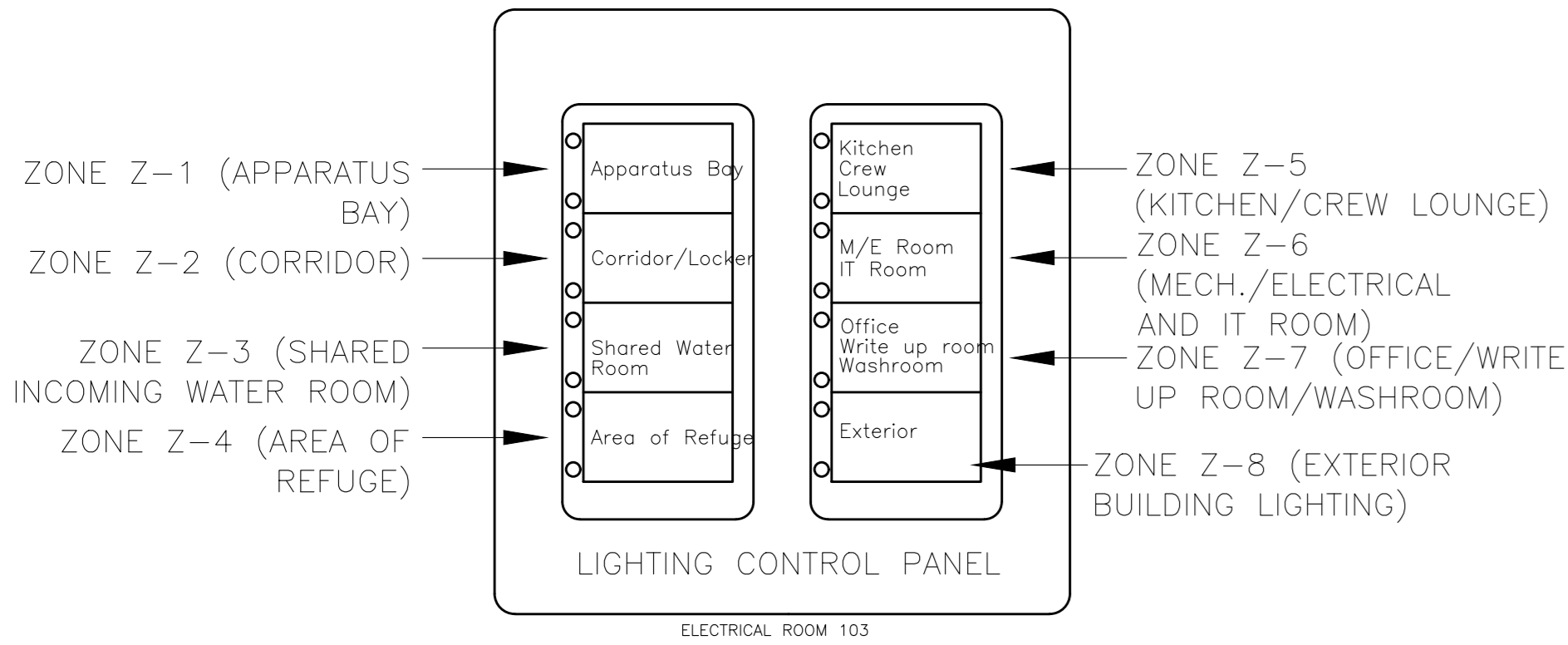
TYPICAL BUTTON ENGRAVING



DIMMER BUTTON CONFIGURATION
SCALE: N.T.S.



TWO BUTTON CONFIGURATION
SCALE: N.T.S.



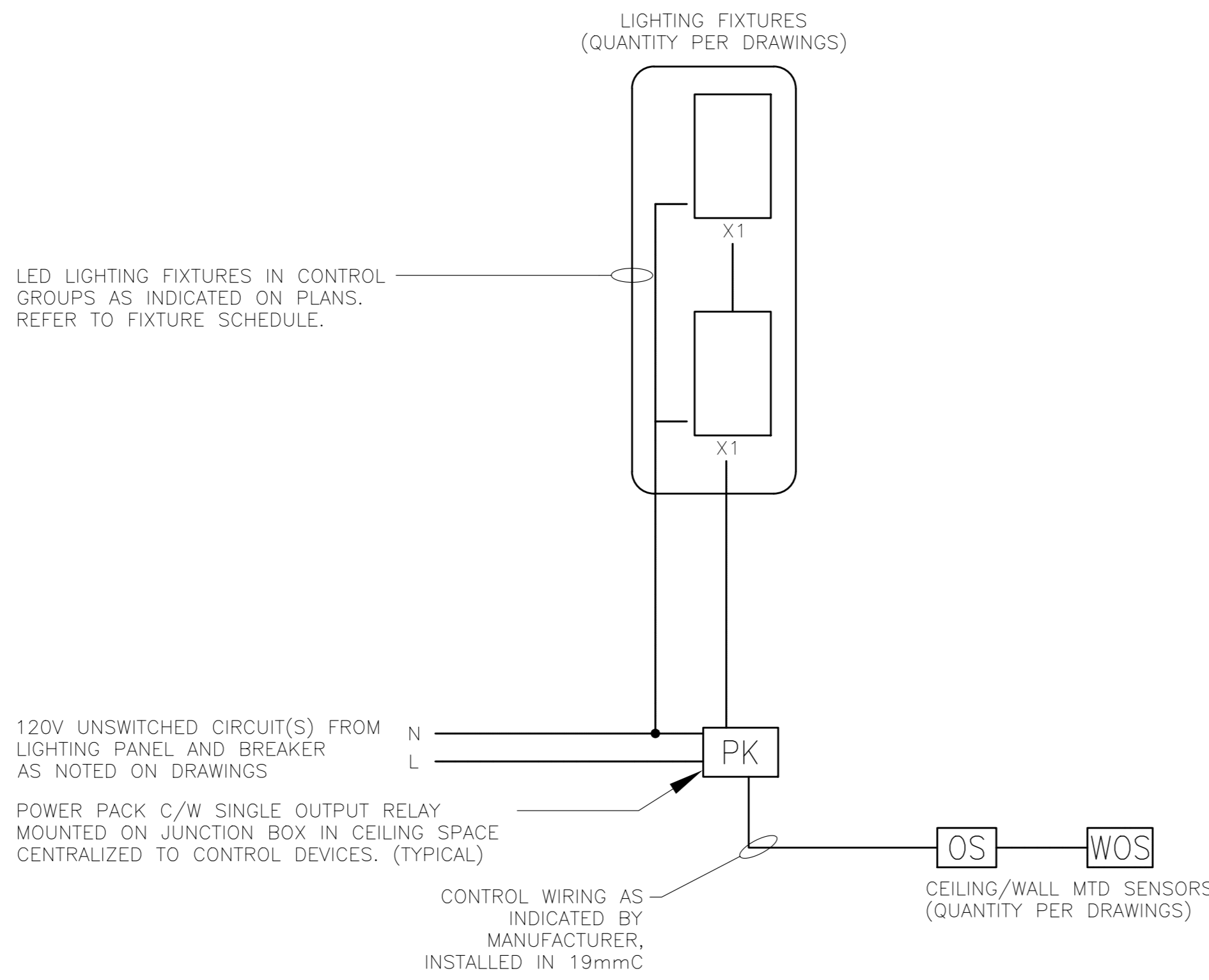
ELECTRICAL ROOM 103

NOTES

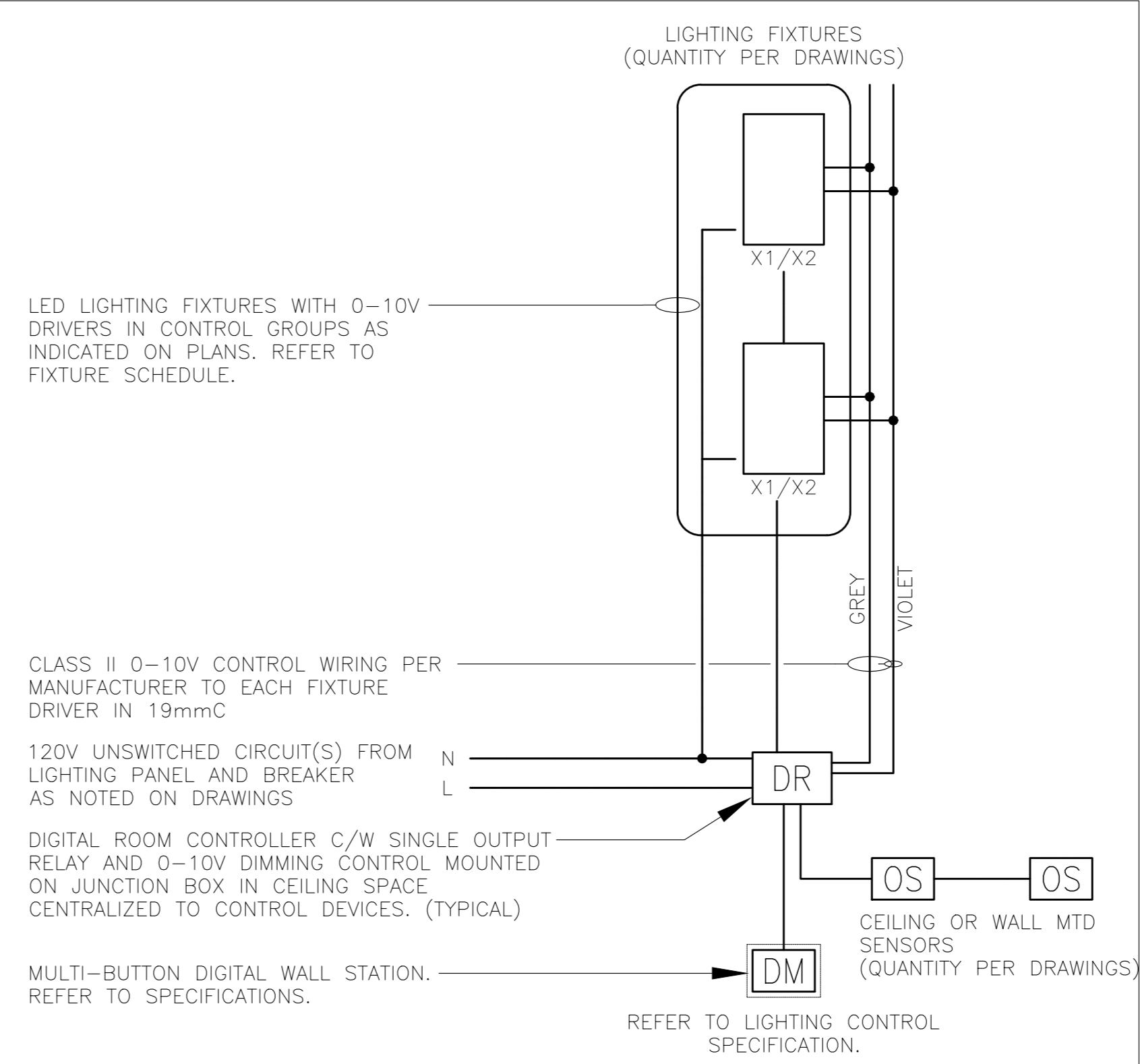
REFER TO LIGHTING CONTROL SPECIFICATIONS.

1. PROVIDE BUTTON ENGRAVING WORKSHEET WITH SHOP DRAWING SUBMISSION FOR REVIEW. WORKSHEETS TO BE COMPLETED FOR EACH CONTROL STATION GROUP. REVISE ENGRAVING LABELS TO SUIT MANUFACTURER ALLOWABLE CHARACTERS. USE SINGLE MULTI-GANG FACEPLATE WITH P-TOUCH LABEL AS NOTED, FINISH PER SPECIFICATIONS.

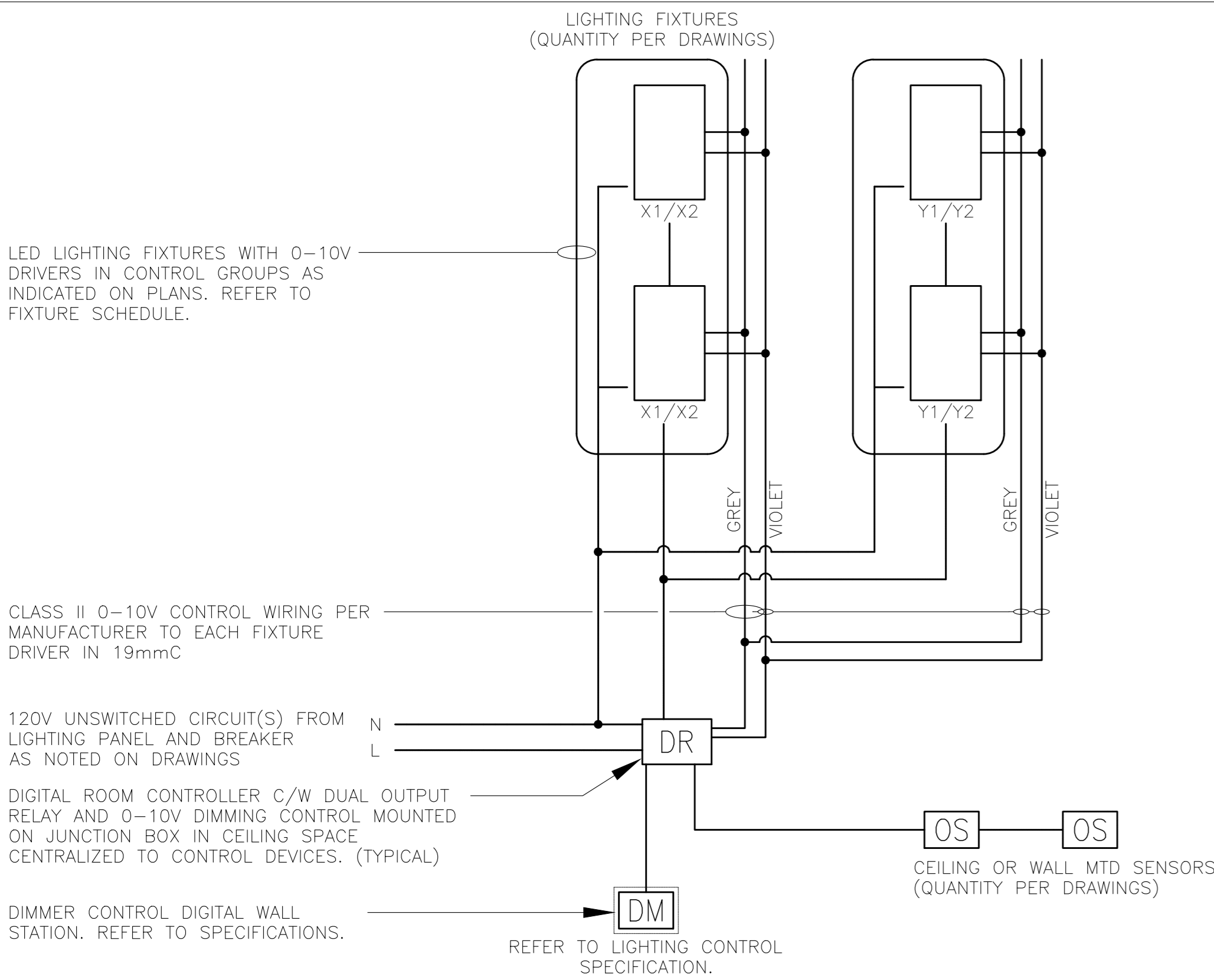
1-LIGHTING CONTROL PANEL/TYPICAL
SCALE: NTS



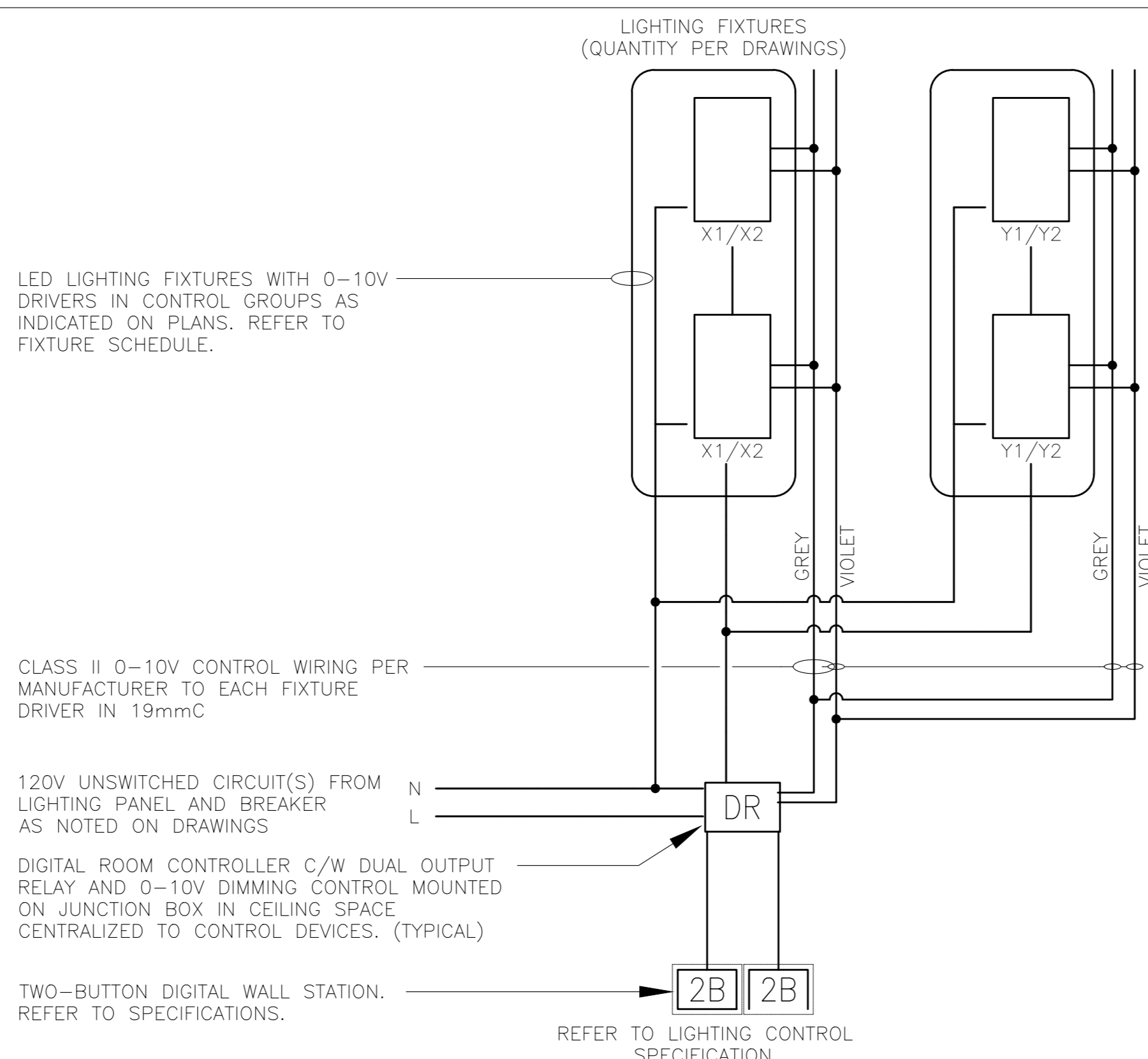
2-WASHROOM OCCUPANCY CONTROL/TYPICAL
SCALE: N.T.S.



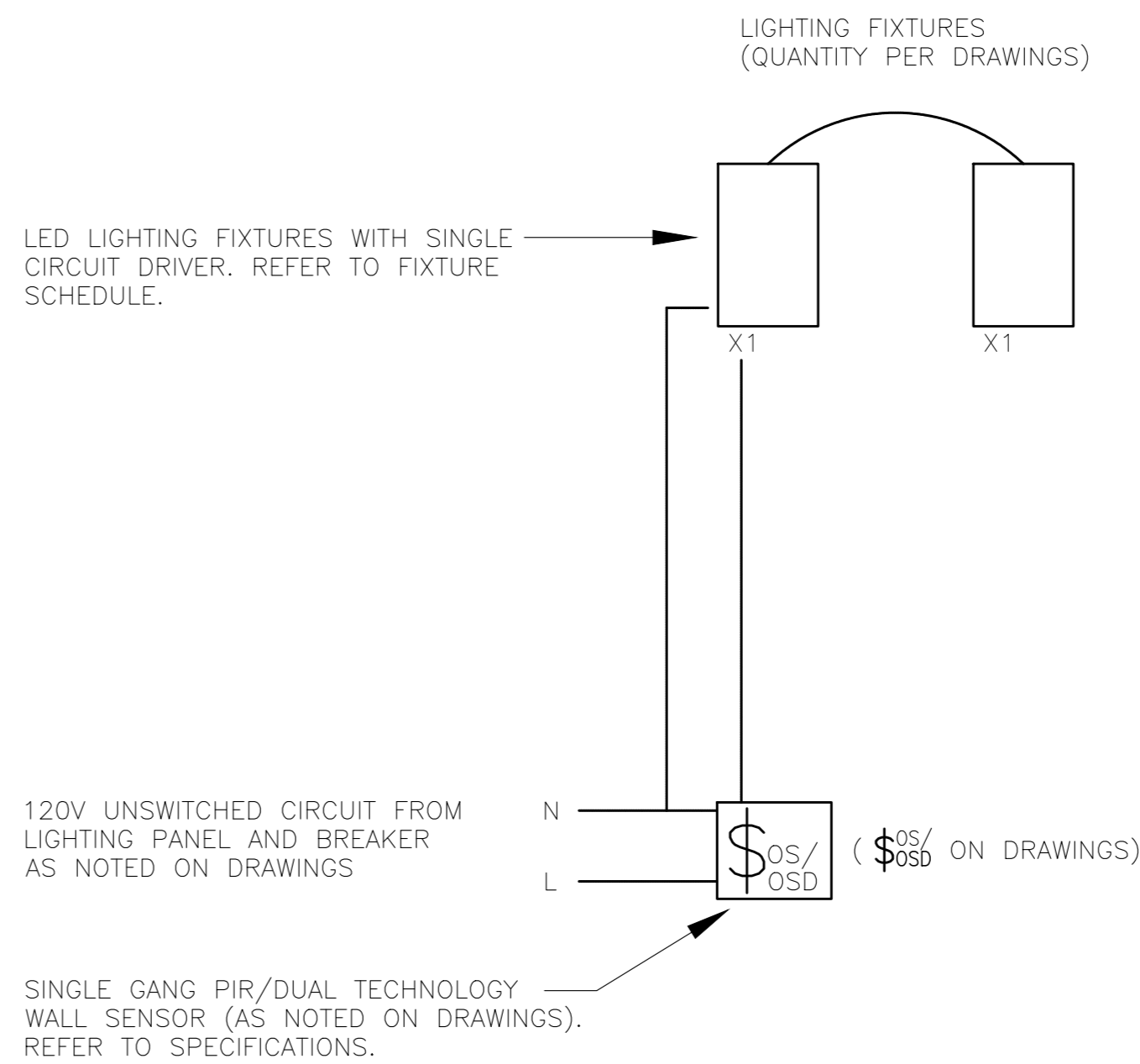
3-OFFICE OCCUPANCY CONTROL /TYPICAL
SCALE: N.T.S.



4-KITCHEN-LOUNGE ROOM MULTI-LEVEL OCCUPANCY CONTROL/TYPICAL
SCALE: N.T.S.



5-APPARATUS BAY LIGHTING CONTROL/TYPICAL
SCALE: N.T.S.



6-OCCUPANCY CONTROL - SINGLE RELAY/TYPICAL
SCALE: N.T.S.

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PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

CLIENT
Stouffville
York Region

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

CONSULTANT
RCEI
RURAL CONSULTING ENGINEERS INC.

PROFESSIONAL SEAL
RURAL CONSULTING ENGINEERS INC.

DWG TITLE
ELECTRICAL DETAILS-5
PRS STATION LIGHTING CONTROL DETAILS

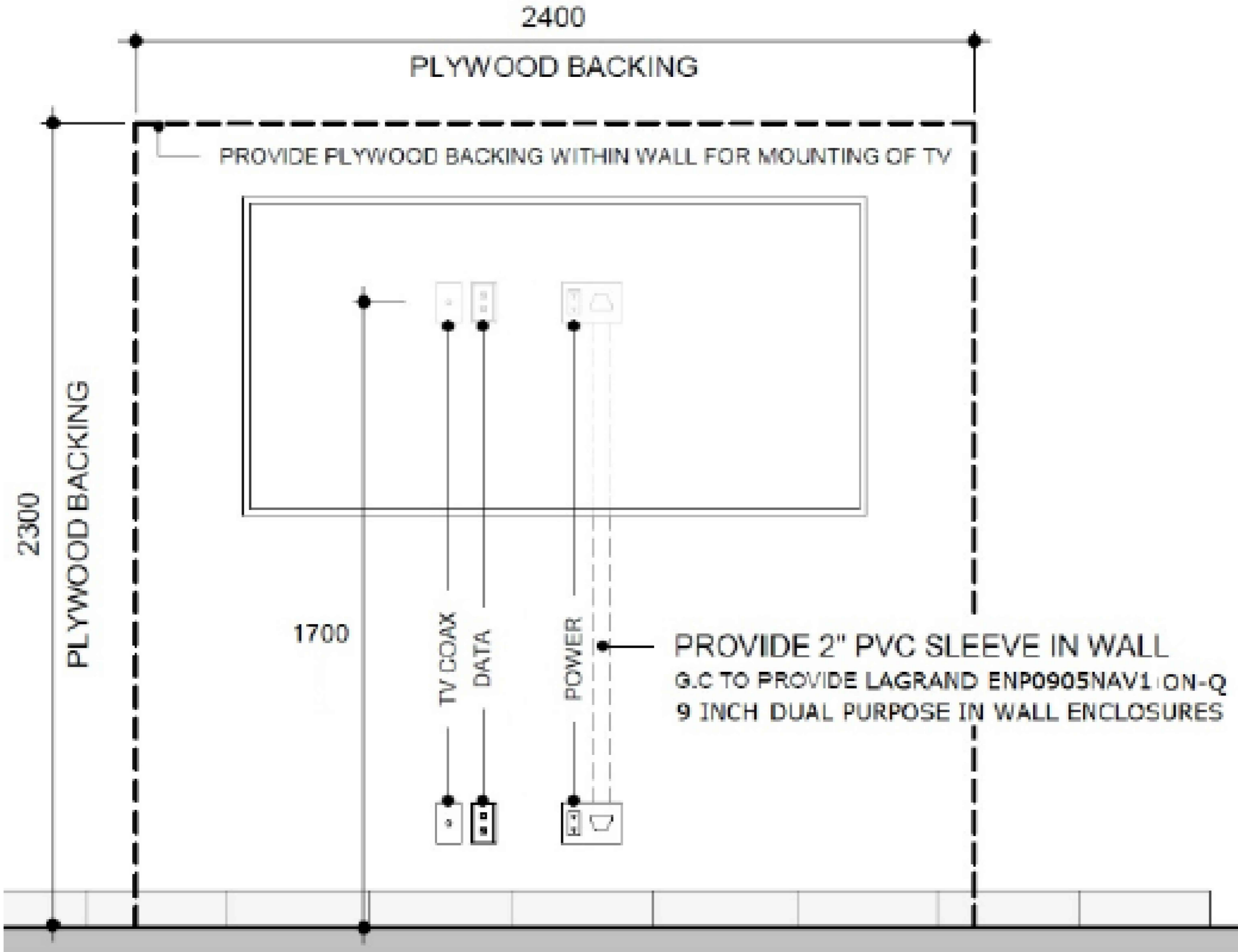
ORIENTATION
TRUE NORTH
CONSTRUCTION NORTH

DATE
2024-06-06

PROJECT No.
2024-448

DRAWING No.
E7.3-A-1

REVISION



1 TYPICAL PRS TV DESIGN WALL INSTALLATION
E7.3 SCALE: N.T.S.

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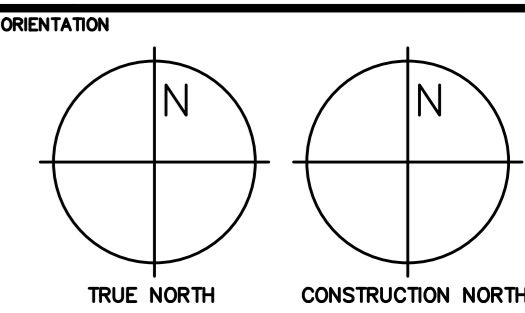
PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH – STOUFFVILLE, ONTARIO



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DWG TITLE
ELECTRICAL DETAILS-6

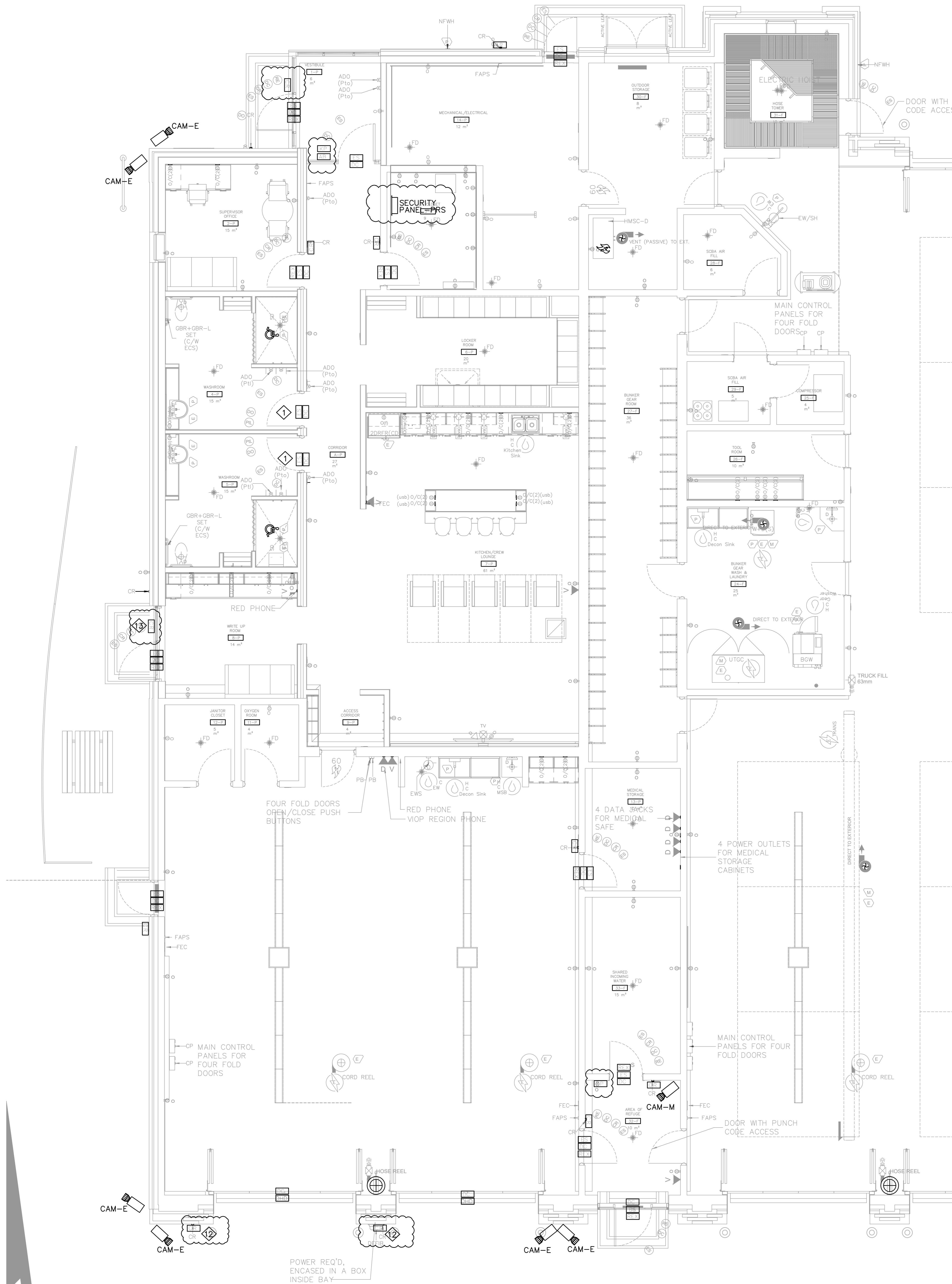


DATE
2024-06-06

PROJECT No.
2024-448

DRAWING No.
E7.4-A-1

REVISION



LEGEND	
[ES]	ELECTRIC STRIKE
[DC]	CONCEALED DOOR CONTACT
[CR]	HID CARD ACCESS READER
[KP]	OUTLET FOR KEY PAD
[MS]	OUTLET FOR SECURITY MOTION SENSOR
[RO]	REQUEST FOR EXIT
[AB]	ARMING BUTTON
[OHC]	OVER HEAD DOOR CONTACT
[CAM-M]	MULTISENSOR SECURITY CAMERA
[CAM-E]	EXTERIOR FIXED SECURITY CAMERA
[FEC]	FIXED AXIS WIDE ANGLE CAMERA
[AB]	ARMING BUTTON

- NOTES:
- REFER TO DOOR POWER DETAIL#7 ON E7.0.
 - ALL DOOR OPERATORS TO INCLUDE SEQUENCING CONTROL CX12 BOARD PROVIDED BY DOOR HARDWARE SUPPLIER. SECURITY CONTRACTOR TO PROVIDE INTEGRATION OF DOOR OPERATORS.
 - ALL ACCESS CONTROL, INTERCOM, AND SECURITY EQUIPMENT AND CABLING SHALL BE SUPPLIED AND INSTALLED BY CITY'S APPROVED SECURITY VENDOR.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUITS WITH PULL STRINGS FOR ALL ACCESS CONTROL, INTERCOM, SECURITY EQUIPMENT AND CCTV CAMERAS AS SHOWN ON THE ELECTRICAL DRAWINGS. FINAL LOCATION FOR CAMERAS ARE TO BE APPROVED BY OWNER DURING CONSTRUCTION TO ACHIEVE BEST FIELD OF VIEW.
 - WASHROOM PANIC ALARMS TO BE INTEGRATED WITH SECURITY SYSTEM AND MONITORED AT SECURITY DESK.
 - SPARE.
 - ALL ACCESS CONTROL AND SECURITY SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (OBC), CANADIAN ELECTRICAL CODE (CEC), AND APPLICABLE MUNICIPAL SECURITY STANDARDS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING AND DEVICE LOCATIONS WITH CITY'S APPROVED SECURITY VENDOR PRIOR TO ROUGH-IN.
 - ALL CABLING FOR SECURITY, INTERCOM, AND CCTV SYSTEMS SHALL BE RUN IN SEPARATE CONDUITS FROM LINE VOLTAGE WIRING.
 - ELECTRICAL CONTRACTOR TO CONFIRM WITH THE CITY - PRS AND FIRE DEPARTMENT WHETHER THE SPECIFIED CAMERAS ARE REQUIRED PRIOR TO INSTALLATION. FINAL CAMERA LOCATIONS AND COVERAGE SHALL BE COORDINATED WITH THE SECURITY VENDOR AND AUTHORITY HAVING JURISDICTION (AHJ).
 - OUTPUT FROM OVERHEAD DOOR OPERATORS WITH CARD READERS SHALL BE PROVIDED AND INTEGRATED INTO THE LENEL ACCESS CONTROL SYSTEM TO GENERATE A REQUEST-TO-EXIT SIGNAL UPON DOOR OPENING. THIS INTEGRATION SHALL MITIGATE FORCED-OPEN ALARMS IN THE ACCESS CONTROL SYSTEM WHEN DOORS ARE OPENED MANUALLY VIA INTERIOR PUSH BUTTONS OR WIRELESS GARAGE DOOR OPENERS.
 - A MULLION-STYLE CARD READER SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE DOOR.

1 PROPOSED SECURITY FLOOR PLAN-PRS STATION
E8.0-A-1 Scale: 1:75

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PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

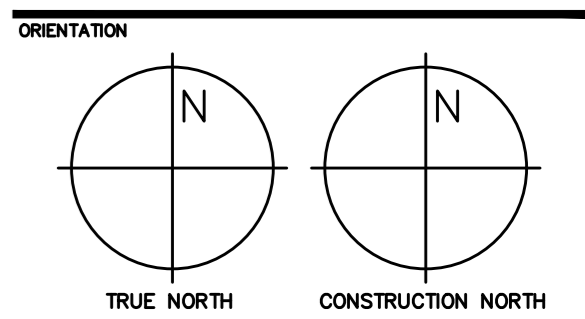
CLIENT:

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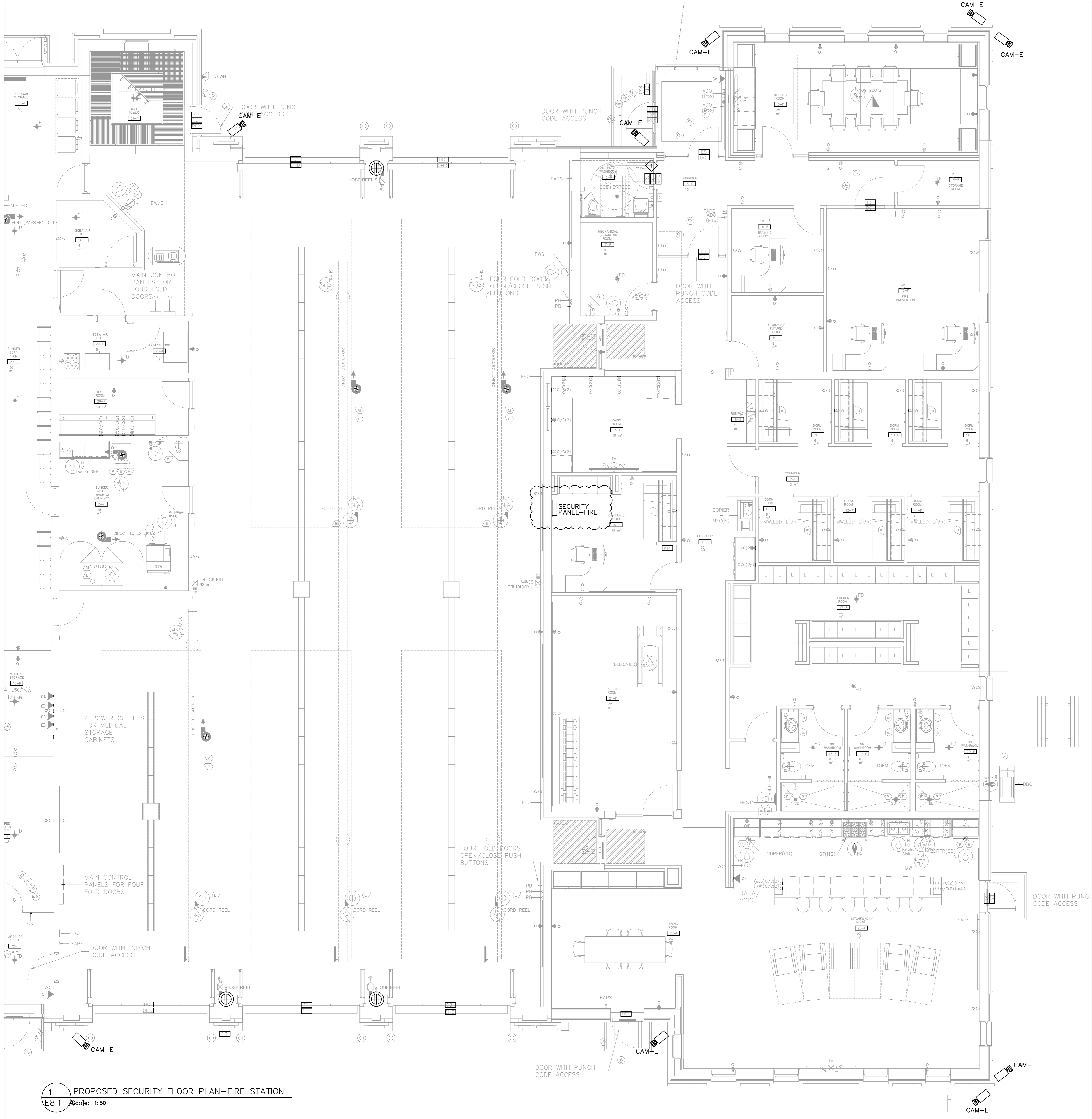
CONSULTANT:

PROFESSIONAL SEAL:

DWG TITLE
PROPOSED SECURITY FLOOR PLAN-PRS STATION



DATE: 2024-06-06
PROJECT No.: 2024-448
DRAWING No.: E8.0-A-1
REVISION: 1



LEGEND

E	ELECTRIC STRIKE
C	CONCEALED DOOR CONTACT
R	HID CARD ACCESS READER
K	OUTLET FOR KEY PAD
M	OUTLET FOR SECURITY MOTION SENSOR
X	REQUEST FOR EXIT
A	ARMING BUTTON
O	OVER HEAD DOOR CONTACT
CAM-M	MULTISENSOR SECURITY CAMERA
CAM-E	EXTERIOR FIXED SECURITY CAMERA
E	FIXED AXIS WIDE ANGLE CAMERA
A	ARMING BUTTON

NOTES:

- REFER TO DOOR POWER DETAIL#7 ON E7.0.
- ALL DOOR OPERATORS TO INCLUDE SEQUENCING CONTROL CX12 BOARD PROVIDED BY DOOR HARDWARE SUPPLIER. SECURITY CONTRACTOR TO PROVIDE INTEGRATION OF DOOR OPERATORS.
- ALL ACCESS CONTROL, INTERCOM, AND SECURITY EQUIPMENT SHALL BE SUPPLIED AND INSTALLED BY CITY'S APPROVED SECURITY VENDOR.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUITS WITH PULL STRINGS FOR ALL ACCESS CONTROL, INTERCOM, SECURITY EQUIPMENT AND CCTV CAMERAS AS SHOWN ON THE ELECTRICAL DRAWING. FINAL LOCATION FOR CAMERAS ARE TO BE APPROVED BY OWNER DURING CONSTRUCTION TO ACHIEVE BEST FIELD OF VIEW.
- WASHROOM PANIC ALARMS TO BE INTEGRATED WITH SECURITY SYSTEM AND MONITORED AT SECURITY DESK.
- SPARE.
- ALL ACCESS CONTROL AND SECURITY SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (OBC), CANADIAN ELECTRICAL CODE (CEC), AND APPLICABLE MUNICIPAL SECURITY STANDARDS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING AND DEVICE LOCATIONS WITH CITY'S APPROVED SECURITY VENDOR PRIOR TO ROUGH-IN.
- ALL CABLING FOR SECURITY, INTERCOM, AND CCTV SYSTEMS SHALL BE RUN IN SEPARATE CONDUITS FROM LINE VOLTAGE WIRING.
- ELECTRICAL CONTRACTOR TO CONFIRM WITH THE CITY PRS AND FIRE DEPARTMENT WHETHER THE SPECIFIED CAMERAS ARE REQUIRED PRIOR TO INSTALLATION. FINAL CAMERA LOCATIONS AND COVERAGE SHALL BE COORDINATED WITH THE SECURITY VENDOR AND AUTHORITY HAVING JURISDICTION (AHJ).

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TOWN OF WS FIRE STATION & YORK
REGION PRS

4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO

PROJECT :

CLIENT

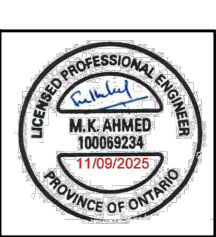


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CONSULTANT



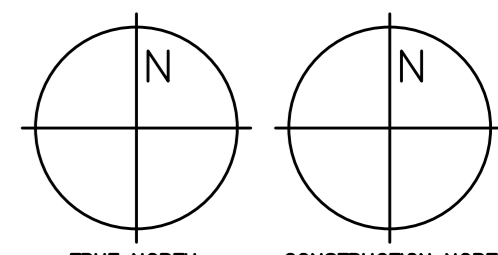
PROFESSIONAL SEAL



DWG TITLE

PROPOSED SECURITY
FLOOR PLAN-FIRE STATION

ORIENTATION



DATE

2024-06-06

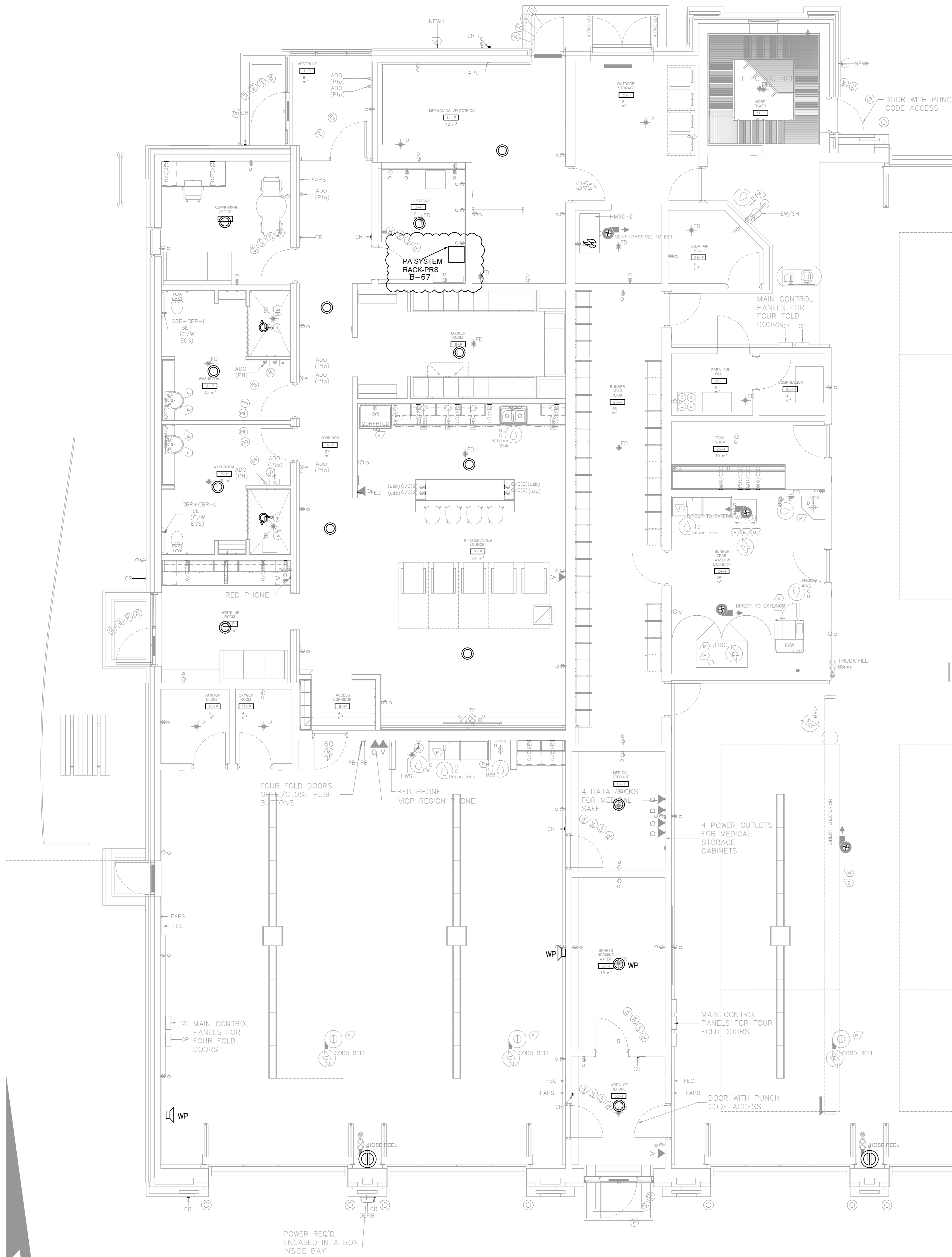
PROJECT No.

2024-448

DRAWING No.

E8.1-A-1

REVISION



PUBLIC ADDRESS SYSTEM	
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	MICROPHONE
	INTERCOM
	VOLUME CONTROL
	WEATHERPROOF

- NOTES:**
- ALL PUBLIC ADDRESS (PA) SYSTEM EQUIPMENT, CABLING AND RELATED COMPONENTS SHALL BE PROVIDED AND INSTALLED BY THE CITY'S APPROVED PA SYSTEM VENDOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED POWER FOR THE PA SYSTEM INFRASTRUCTURE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS FOR ALL LOW VOLTAGE CABLING ASSOCIATED WITH THE PA SYSTEM.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PA SYSTEM VENDOR TO CONFIRM ALL CONDUIT ROUTING, JUNCTION BOX LOCATIONS, AND POWER REQUIREMENTS PRIOR TO INSTALLATION.
 - ELECTRICAL CONTRACTOR SHALL VERIFY AND CONFIRM ALL REQUIREMENTS WITH THE PA SYSTEM VENDOR BEFORE COMMENCING INSTALLATION.
 - ALL WORK SHALL COMPLY WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC), APPLICABLE LOCAL CODES, AND PROJECT SPECIFICATIONS.

1 PROPOSED PA SYSTEM FLOOR PLAN-PRS STATION
E9.0-06-19 1:50

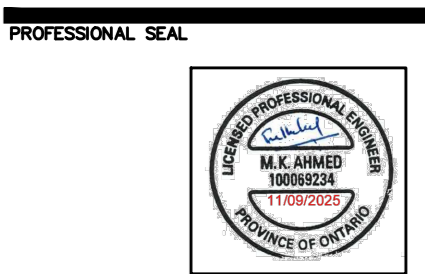
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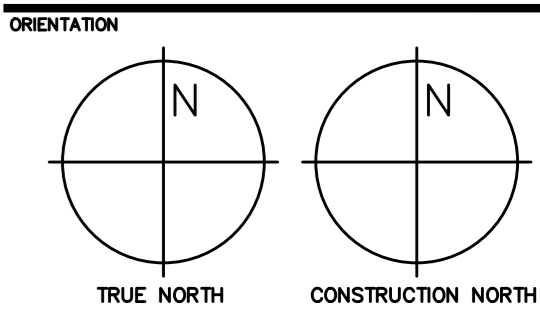
PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH-STOUFFVILLE, ONTARIO



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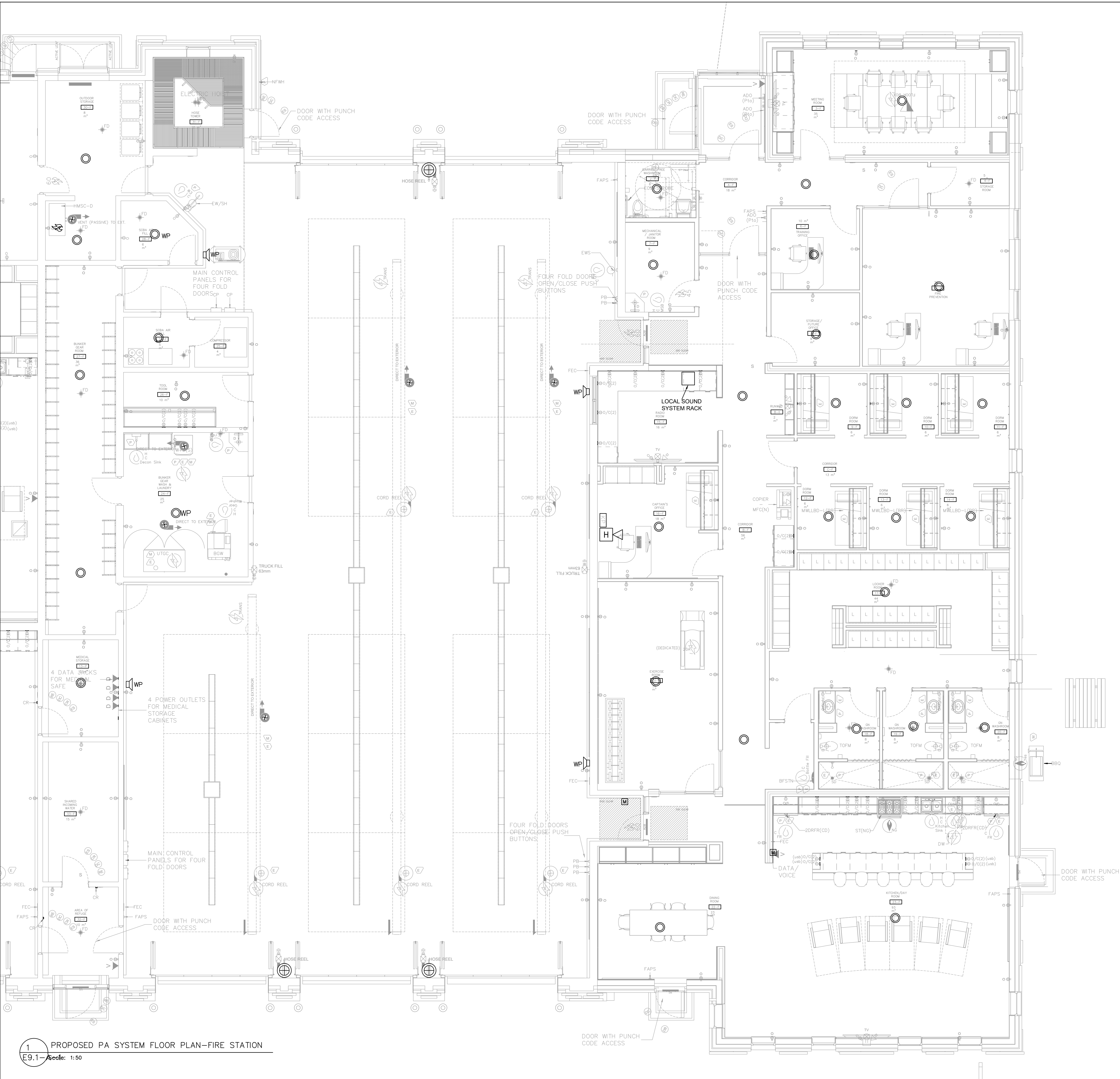
DWG TITLE
PROPOSED PA SYSTEM FLOOR PLAN - PRS STATION



DATE 2024-06-06

PROJECT No. 2024-448

DRAWING No. E9.0-A-1 REVISION



1 PROPOSED PA SYSTEM FLOOR PLAN—FIRE STATION
E9.1—Scale: 1:50

PUBLIC ADDRESS SYSTEM	
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	MICROPHONE
	INTERCOM
	VOLUME CONTROL
	WEATHERPROOF

- NOTES:
1. ALL PUBLIC ADDRESS (PA) SYSTEM EQUIPMENT, CABLING AND RELATED COMPONENTS SHALL BE PROVIDED AND INSTALLED BY THE CITY'S APPROVED PA SYSTEM VENDOR.
 2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED POWER FOR THE PA SYSTEM INFRASTRUCTURE.
 3. ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS FOR ALL LOW VOLTAGE CABLING ASSOCIATED WITH THE PA SYSTEM.
 4. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PA SYSTEM VENDOR TO CONFIRM ALL CONDUIT ROUTING, JUNCTION BOX LOCATIONS, AND POWER REQUIREMENTS PRIOR TO INSTALLATION.
 5. ELECTRICAL CONTRACTOR SHALL VERIFY AND CONFIRM ALL REQUIREMENTS WITH THE PA SYSTEM VENDOR BEFORE COMMENCING INSTALLATION.
 6. ALL WORK SHALL COMPLY WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC), APPLICABLE LOCAL CODES, AND PROJECT SPECIFICATIONS.

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PROJECT : TOWN OF WS FIRE STATION & YORK REGION PRS
4902 AURORA ROAD, WHITCHURCH—STOUFFVILLE, ONTARIO

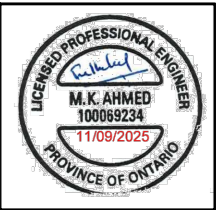


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

CONSULTANT



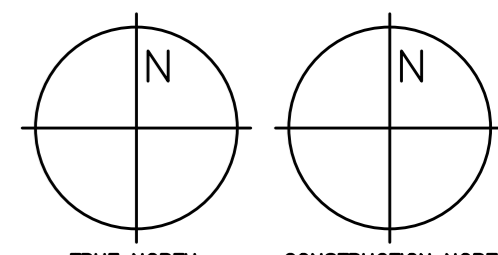
PROFESSIONAL SEAL



DWG TITLE

PROPOSED PA SYSTEM FLOOR PLAN—FIRE STATION

ORIENTATION



DATE 2024-06-06

PROJECT No. 2024-448

DRAWING No. E9.1-A-1

REVISION