

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow approval for relocation of service from Consultant before commencement of the work.  
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Do not scale this drawing.  
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REVISIONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



PROJECT:  
**NORTH PARIS  
FIRE STATION**  
  
21 ANN WILSON WAY  
(SCOTT AVE)



COUNTY PROJECT NO.:  
**CPS-RFT-25-03**

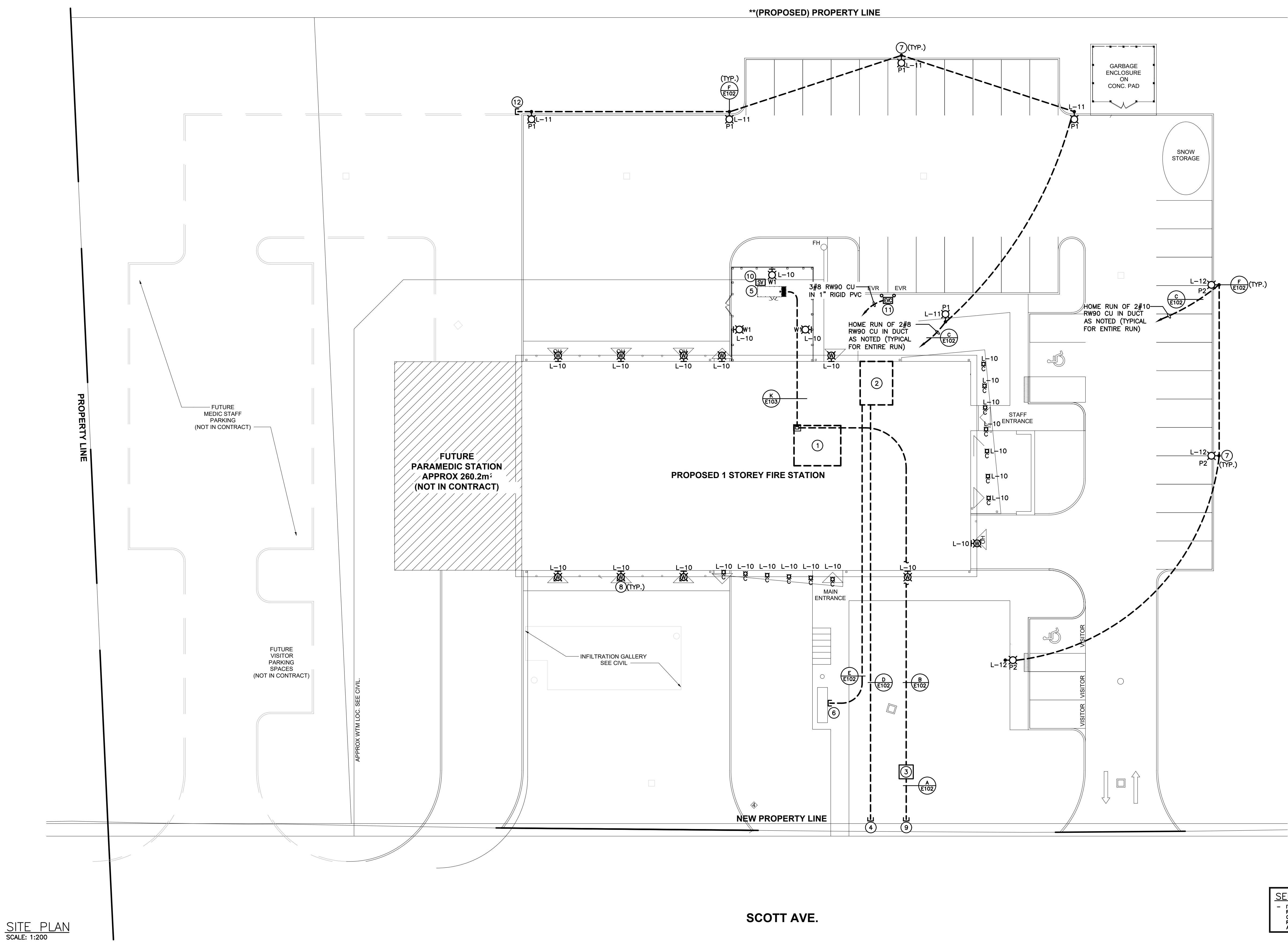
DRAWING TITLE:  
**SITE PLAN**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

**E101**

**\*\* (PROPOSED) PROPERTY LINE**



**SITE PLAN**  
SCALE: 1:200

**SCOTT AVE.**

**SEISMIC RESTRAINT OF ELECTRICAL SYSTEMS**  
- IT'S THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL WORK AND MATERIALS RELATED TO SEISMIC RESTRAINT SYSTEMS FOR ALL ELECTRICAL EQUIPMENT AND COMPONENTS ON THIS PROJECT. ALL EQUIPMENT AND COMPONENTS SHALL BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. CONTRACTOR MUST PROVIDE ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

**SPECIFIC NOTES**

- INDICATES APPROXIMATE LOCATION OF MAIN ELECTRICAL ROOM ON MEZZANINE LEVEL.
- INDICATES APPROXIMATE LOCATION OF MAIN I.T. ROOM ON GROUND LEVEL.
- INDICATES LOCATION OF UTILITY PAD MOUNTED TRANSFORMER ON NEW CONCRETE BASE. REFER TO DETAIL H/E102.
- INDICATES COMMUNICATION DUCTS STUBBED AT PROPERTY LINE.
- INDICATES PROPOSED LOCATION OF NATURAL GAS GENERATOR ENCLOSURE INSTALLED ON CONCRETE ISOLATION PAD.
- INDICATES LOCATION OF FUTURE PYLON SIGN. CONFIRM EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. PROVIDE TWO 50MM (2") DUCTS (1 FOR POWER, 1 FOR COMMUNICATIONS) AND RUN BACK TO I.T. ROOM.
- ENSURE LIGHTS ARE INSTALLED AT 915MM (3'-0") MINIMUM FROM CURB.
- INDICATES EXTERIOR WALL FIXTURE. MOUNT AT AN APPROXIMATE HEIGHT AS PER ARCHITECTURAL ELEVATIONS.
- INDICATES APPROXIMATE LOCATION OF PRIMARY DUCT STUBS AT PROPERTY LINE. REFER TO ELECTRICAL SERVICE SCOPE OF WORK.

- INDICATES LOCATION OF NATURAL GAS ISOLATION VALVE FOR NATURAL GAS SUPPLY TO SAFETY GENERATOR. CONNECT SUPERVISED VALVE TO GENERATOR CONTROLLER FOR MONITORING OF VALVE POSITION UNDER GENERATOR TROUBLE GENERAL FIRE ALARM SUPERVISED ZONE. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL TRADE AND GENERATOR SHOP DRAWINGS.
- PROVIDE EV CHARGER ROUGH-IN AS PER DETAIL J/E102. PROVIDE DUCTBANK AS PER DETAIL C/E102. DUCTBANK TO TERMINATE WITHIN PANEL 'R'.
- STUB AND CAP DUCT AND STAKE LOCATION FOR FUTURE EXTENSION BY OTHERS.

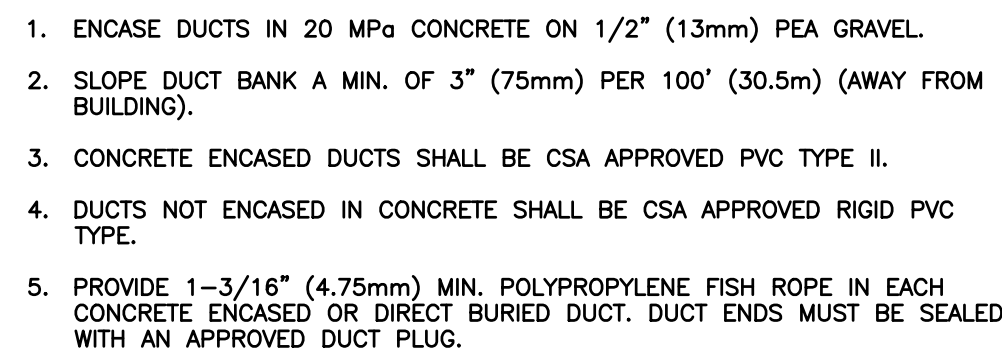
**ELECTRICAL SERVICE-SCOPE OF WORK**

GRANDBRIDGE ENERGY (UTILITY) WILL PROVIDE THE FOLLOWING WORK.  
COST WILL BE PART OF THE ALLOWANCE FOR UTILITY WORK AS LISTED IN SPEC SECTION:

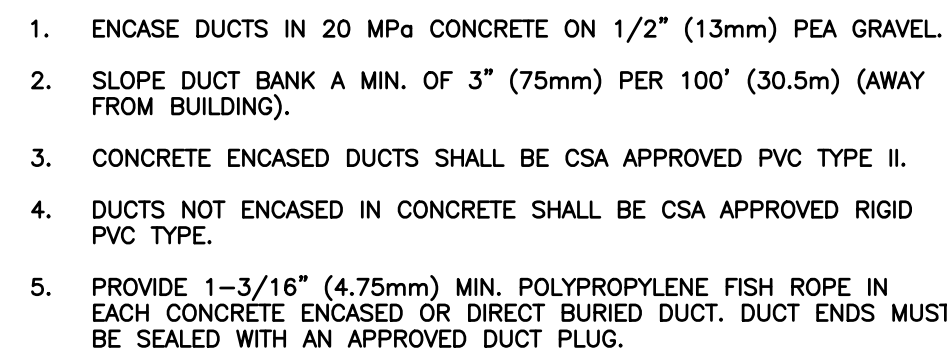
- SUPPLY AND INSTALLATION OF PRIMARY FUSING AND PRIMARY CONDUCTORS.
- SUPPLY AND INSTALLATION OF ANY PRIMARY DUCTBANK PAST PROPERTY LINE.
- CONNECTION OF PRIMARY AND SECONDARY CONDUCTORS AT TRANSFORMERS IN ENCLOSURE.
- SUPPLY AND INSTALLATION OF METERING INSTRUMENTATION.
- SUPPLY AND INSTALLATION OF PAD MOUNT TRANSFORMER AND PRECAST CONCRETE ENCLOSURE. CONTACT GRANDBRIDGE ENERGY SERVICE COORDINATOR AT 519-612-3530 WITH SIZE AND NUMBER OF SECONDARY CABLES TO ENSURE TRANSFORMER LUGS ARE IN STOCK PRIOR TO SERVICE CONNECTION REQUEST BY CUSTOMER.
- BUILDING TO BE BULK METERED. BULK METER WILL BE SUPPLIED BY GRANDBRIDGE ENERGY.
- INSTALLATION OF GROUND RODS AND GRID WHILE PIT IS OPEN FOR VAULT.
- SUPPLY GROUNDING AT UTILITY TRANSFORMER.

THE ELECTRICAL CONTRACTOR FOR THE BUILDING OWNER (CUSTOMER) SHALL BE RESPONSIBLE FOR THE FOLLOWING:

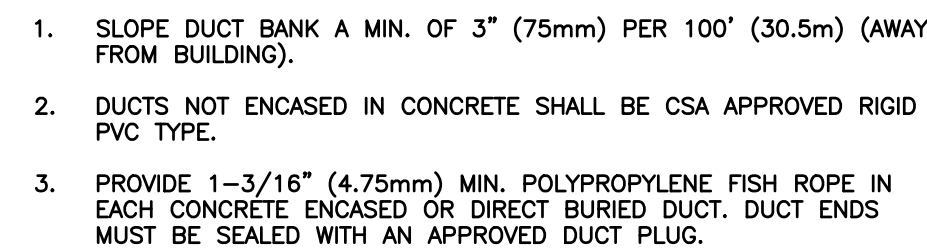
- SUPPLY AND INSTALLATION OF SECONDARY CABLES AT 600V MAIN SWITCHBOARD AND TRANSFORMER LUGS. PROVIDE 8000mm SLACK CONDUCTORS AT TRANSFORMER ENCLOSURE.
- SUPPLY AND INSTALLATION OF METER CABINET + VOICE LINE AND OUTLET PER PLANS AND TO SUIT UTILITY REQUIREMENTS.
- INSTALLATION OF SERVICE GROUND AT 600V SWITCHBOARD PER ELECTRICAL CODE AND AS SHOWN. PROVIDE COORDINATION STUDY PER SPECIFICATIONS.
- ALL WORK SHALL MEET UTILITY REQUIREMENTS & INSPECTION. ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH GRANDBRIDGE ENERGY PRIOR TO PROCEEDING.
- SUPPLY AND INSTALLATION OF SECONDARY DUCTBANK.
- SUPPLY AND INSTALLATION OF PRIMARY DUCTBANK UP TO PROPERTY.



A-PRIMARY DUCTBANK DETAIL  
SCALE: NTS



B-SECONDARY DUCTBANK DETAIL  
SCALE: NTS



C-SITE LIGHTING/EV CHARGER DUCTBANK DETAIL  
SCALE: NTS

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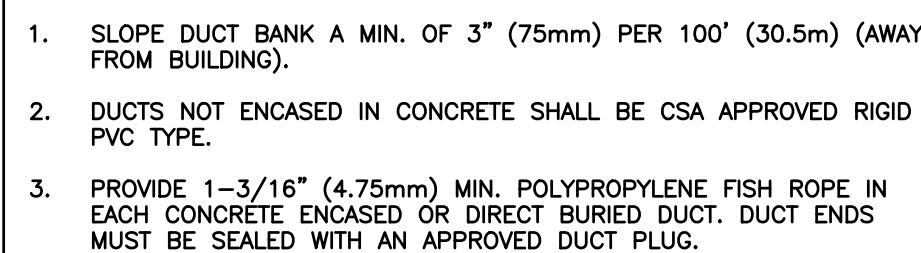
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the requirements of the applicable codes.

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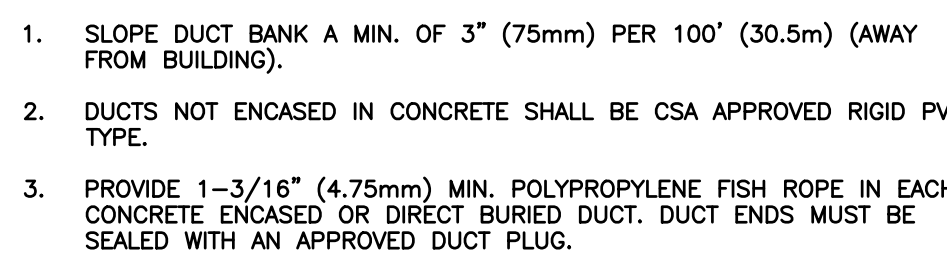
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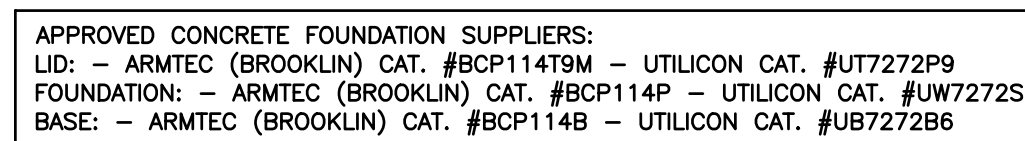
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D-COMMUNICATIONS DUCTBANK DETAIL  
SCALE: NTS



E-PYLON SIGN DUCTBANK DETAIL  
SCALE: NTS



H-3PH PAD MTD. TRANSFORMER GROUNDING  
SCALE: NTS



NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:

COUNTY OF  
**Brant** Simply Grand

COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

## LEGEND AND SITE DETAILS

DATE: 2025.07.09

SCALE: As Noted

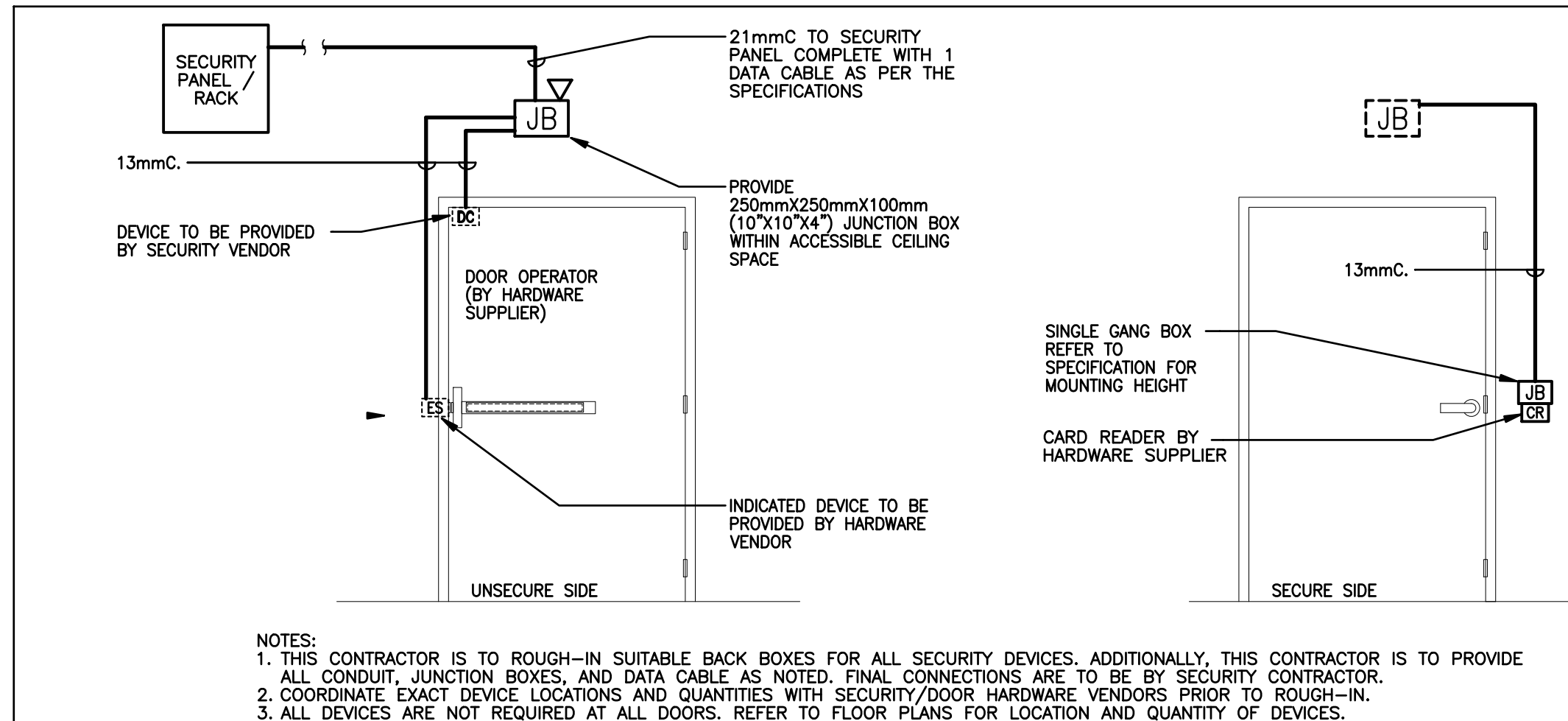
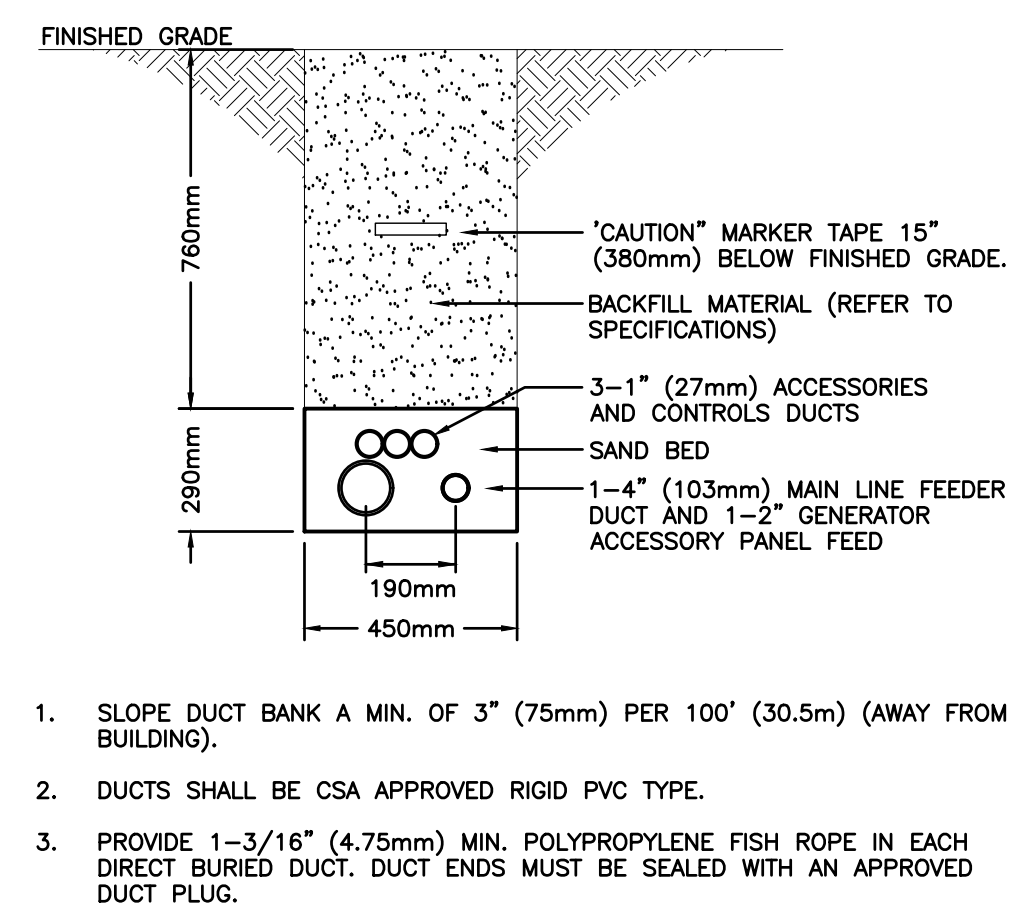
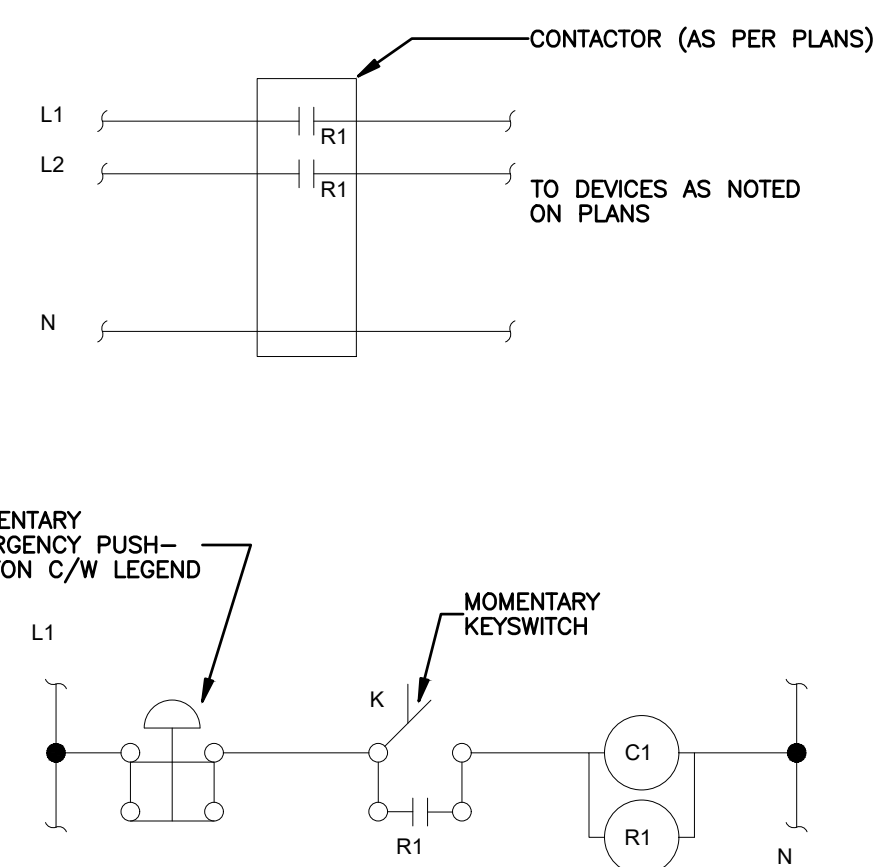
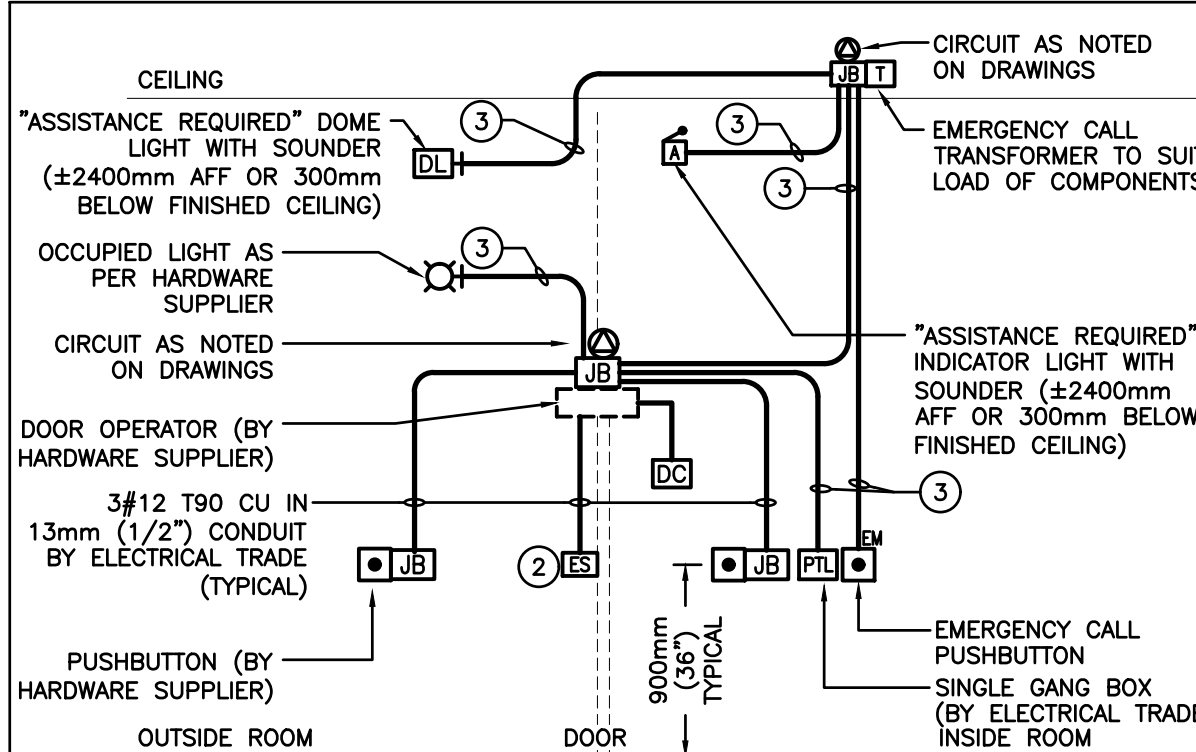
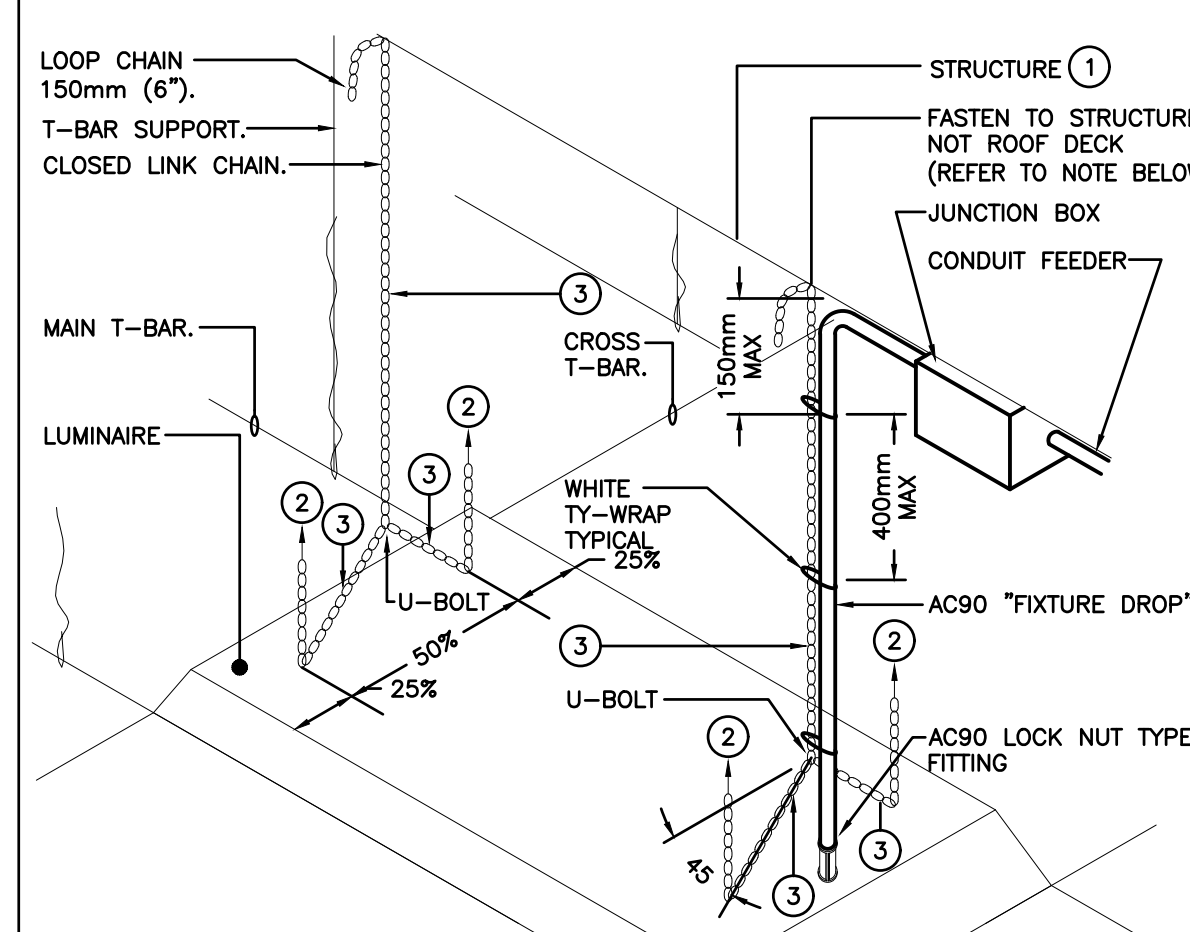
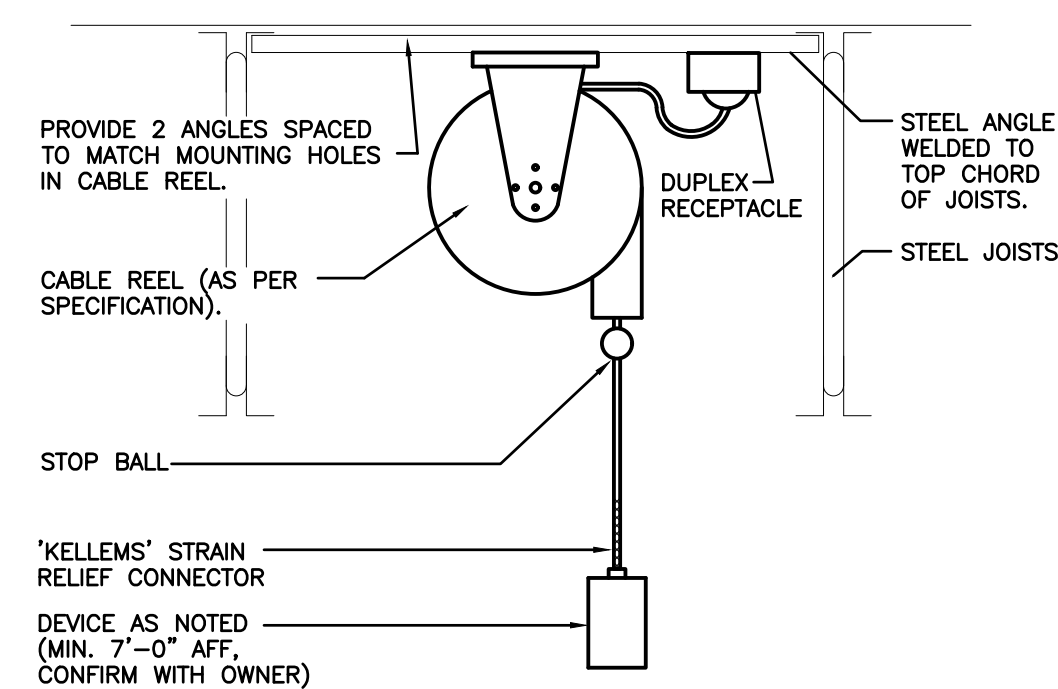
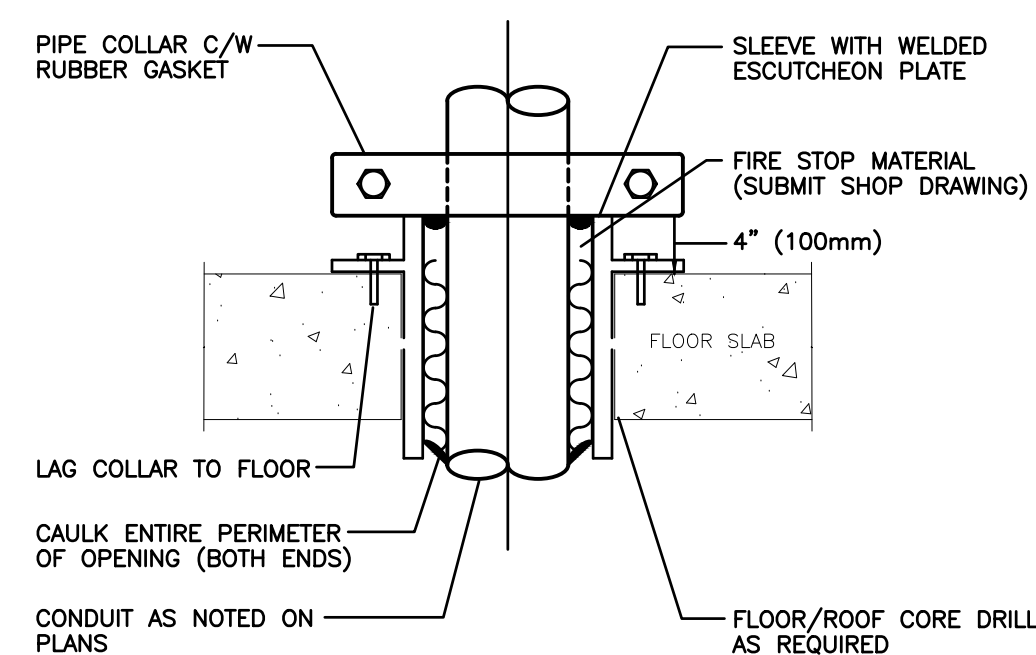
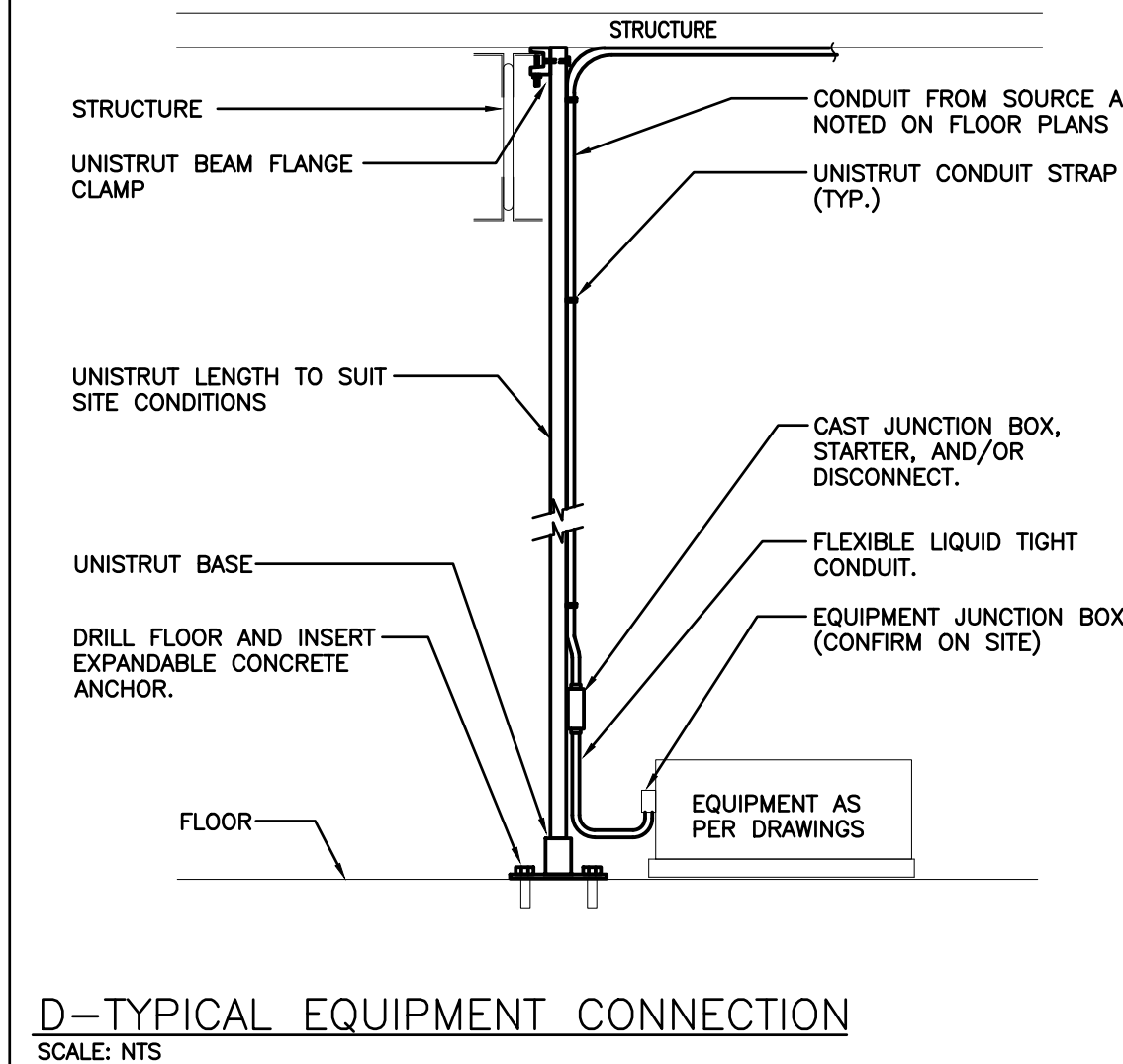
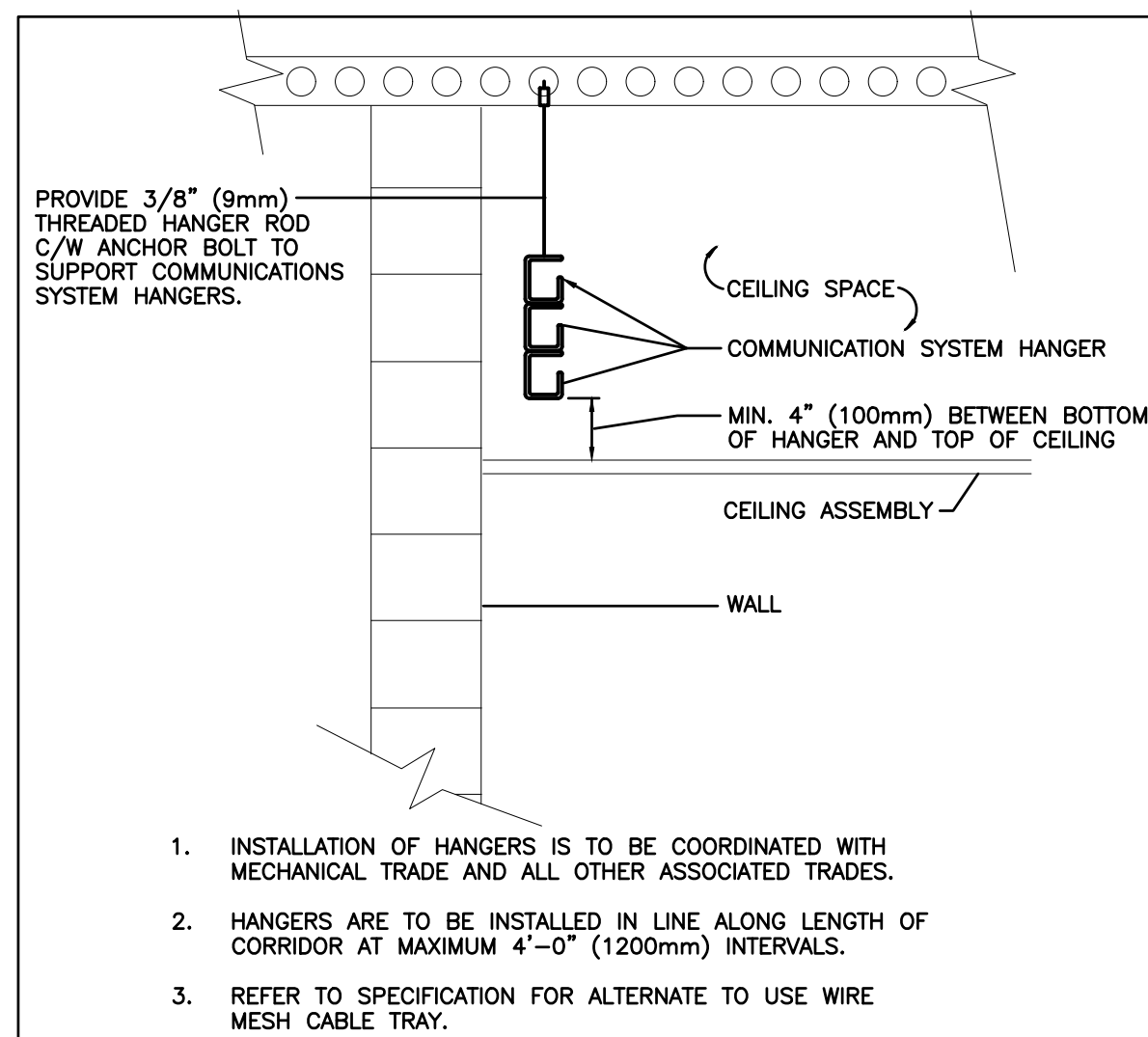
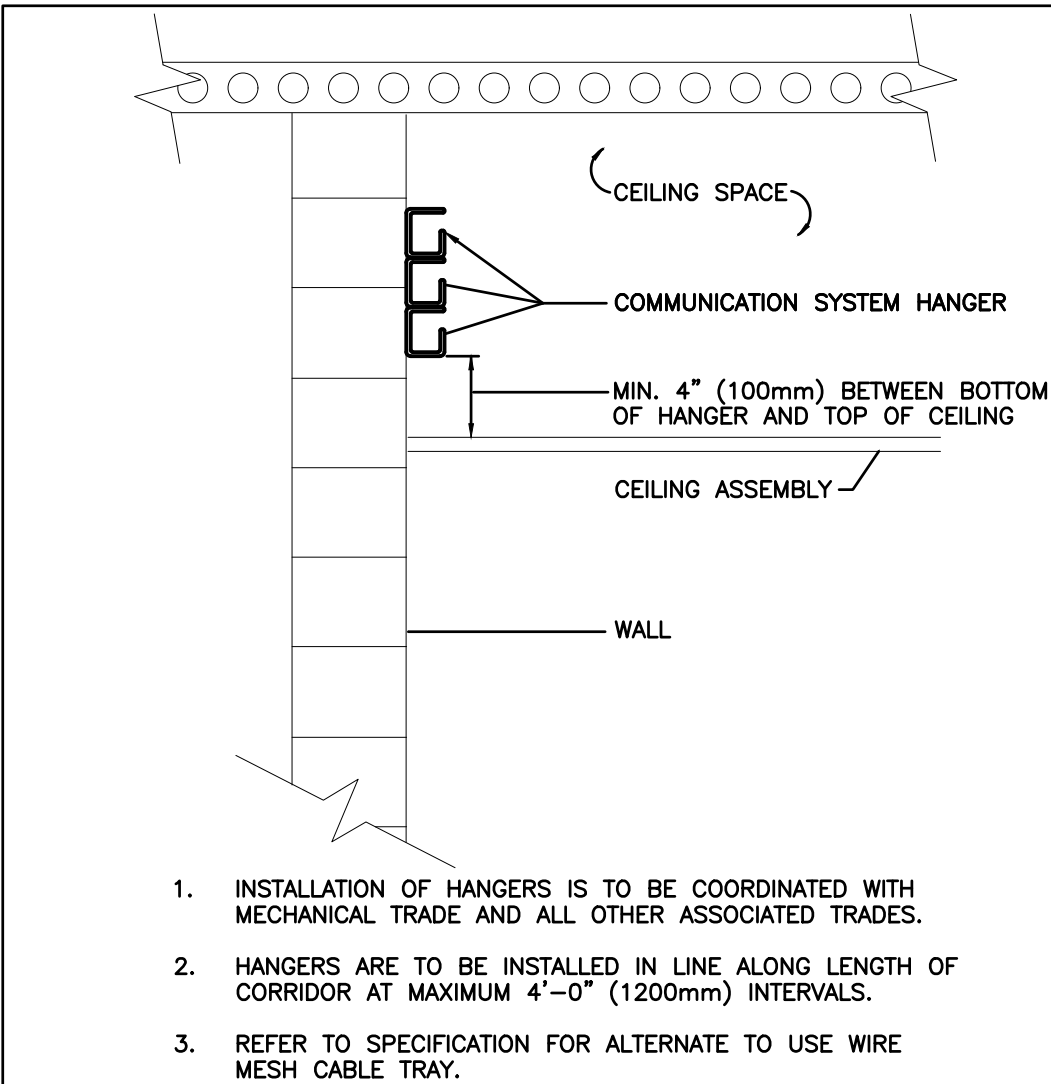
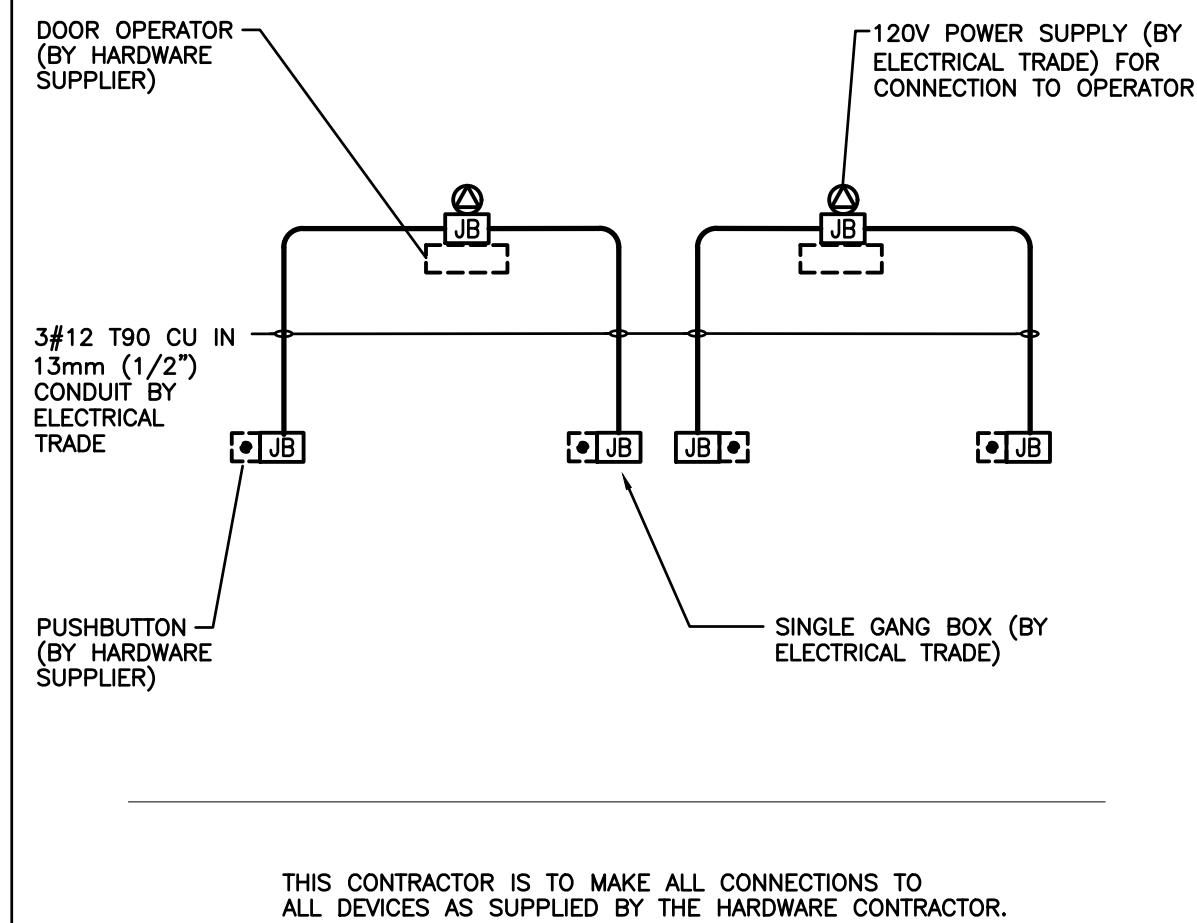
DRAWING: KE

DRAWN. RF

STATUS: TENC

DRAWING NO.:

F102



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2	2024.12.20	RE-ISSUED FOR 80% COORDINATION
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**DEI**

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Waterloo, ON, N2V 1Y8  
Phone: 519-725-3555  
Website: deiassociates.ca  
Project Number: 24160

**Consulting Engineers**

**MECHANICAL | ELECTRICAL | AQUATIC**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

103



EXTERIOR LIGHT FIXTURE SCHEDULE									
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	CRI	Listings	LLF	Description	
C	COOPER CAT. #LD6C15D010TR-EU6C10208030-6LBN11H-LGSX16IP66 LITHONIA CAT. #LDN6-AL01-SWW1-L06-AR-LSS-MVOLT-UGZ LITELINE CAT. #GEN06-IA-30-L-HW-B-N-X-N-1	120V	LED 104 LUMENS 3000K 16W	RECESSED	90	WET LOC.	0.90	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 50 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, IP66 GASKET KIT, AND 5% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.	
P1	McGRAW-EDISON CAT. #GALN-SA2B-830-120-T4W-XX-HSS-FADC POLE: VALMONT CAT. #DS330-4000160-D1-FPGV-XX-FBC-4B OR EQUAL LITHONIA CAT. #DSX0 LED SERIES SIGNIFY CAT. #P15 SERIES	120V	LED 6578 LUMENS 3000K 82W	POLE	80	DLC IDA	0.90	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE "T4W" DISTRIBUTION OPTICS WITH HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), FIELD ADJUSTABLE WATTAGE SELECTOR AND 15' (4.6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE, ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.	
P2	McGRAW-EDISON CAT. #GALN-SA2B-830-120-T4FT-XX-HSS-FADC POLE: VALMONT CAT. #DS330-4000160-D1-FPGV-XX-FBC-4B OR EQUAL LITHONIA CAT. #DSX0 LED SERIES SIGNIFY CAT. #P15 SERIES	120V	LED 6548 LUMENS 3000K 82W	POLE	80	DLC IDA	0.90	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE "T4FT" DISTRIBUTION OPTICS WITH HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), FIELD ADJUSTABLE WATTAGE SELECTOR AND 15' (4.6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE, ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.	
W	COOPER CAT. #ENC-SA1C-830-U-T4FT LITHONIA CAT. #MRW-LED SERIES	120V	LED 3432 LUMENS 3000K 34W	WALL	80	DLC IDA	0.90	WALL MOUNTED FIXTURE C/W DIE-CAST ALUMINUM HOUSING, TYPE4 FORWARD THROW DISTRIBUTION C/W BACK LIGHT CONTROL, TOOL LESS ENTRY TO HINGED LENS ASSEMBLY AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS, PROVIDE EXTERNAL PHOTOCELL AS PER SPECIFICATIONS.	
W1	COOPER CAT. #XTOR1B-Y-COL LITHONIA CAT. #WPX1-LED-P1-30K-MVOLT-XX GARDCO CAT. #GWS-A01-830-13M-UNV-X	120V	LED 1327 LUMENS 3000K 12W	WALL	80	DLC IDA	0.90	WALL MOUNTED FIXTURE C/W DIE-CAST ALUMINUM HOUSING AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS, PROVIDE EXTERNAL PHOTOCELL AS PER SPECIFICATIONS.	

LED LIGHT FIXTURE SCHEDULE									
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description				
EXIT LIGHTS	AIMLITE CAT. #RPALUMWHUNTUNVDC STANPRO CAT. #RMXL0WH-UDC LUMACELL CAT. #LA3WLX	12V/120V	LED 2.5 WATT (MAX.)AC 2 WATT (MAX.)DC	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.				
EMERG. LIGHTS	AIMLITE CAT. #RMSM212V4WLJWHT STANPRO CAT. #N2-06-12V4WLJWH LUMACELL CAT. #MQM2LD7	12V	LED 2-4W PAR18	SURFACE	TWIN HEAD LED REMOTE MR16 FIXTURE C/W COMPACT DESIGN, THERMOPLASTIC CONSTRUCTION, WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION.				
COMBO UNIT	AIMLITE CAT. #CARPW SERIES EM-1 #CARPW12036XZSM4WLJATD STANPRO CAT. #PRMXL SERIES EM-1 #PRMXL10361-2N4LJ-AT LUMACELL CAT. #LAC SERIES EM-1 #LACXW12502LD7ATN	12V/120V	LED 2-4W PAR18	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 2.5" (63mm) THICKNESS, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS.				
COMBO UNIT (WEATHER-PROOF)	AIMLITE CAT. #CRPN SERIES EM-2 #CRPN12072XWH124WLRATDCW1 STANPRO CAT. #PRMRN SERIES EM-2 #PRMRN1072XWH-24LR/AT/CW1	12V/120V	LED 2-4W MR16	SURFACE	LED PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, WHITE FINISH, COLD WEATHER RATING, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER, AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS. MUST BE NEMA 4X NSF2.				
EMERG. BATT.	AIMLITE #EBST12 SERIES: EM-3 #EBST12036-2SM4WLRWHT-ATD EM-4 #EBST120100-2SM4WLRWHT-ATD STANPRO CAT. #SLX12 SERIES EM-3 #SLA12036-2N4LJ/AT EM-4 #SLA120100-2N4LJ/AT LUMACELL CAT. #RGS SERIES EM-3 #RG12S361LD7ATN EM-4 #SLA120100-2N4LJ/AT	12V/120V	LED 2-4W MR16	SURFACE	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE.				

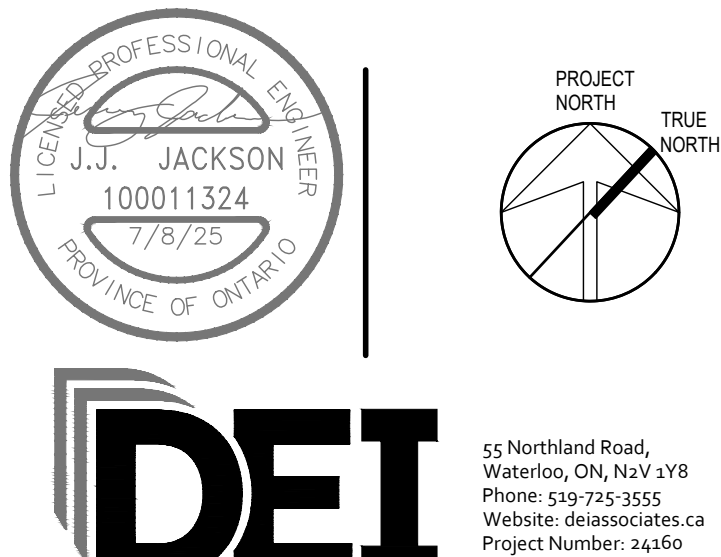
LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION		
<b>NOTES:</b>  1. UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMMISSIONED BY A MANUFACTURER'S FACTORY AUTHORIZED THIRD PARTY REPRESENTATIVE WHO SHALL PROVIDE FUNCTIONAL TESTING AND DOCUMENTATION CONFORMING TO THE REQUIREMENTS OF ASHRAE 91.3. FUNCTIONAL THIRD PARTY TESTING SHALL INCLUDE DIGITAL ROOM CONTROL SYSTEMS. REFER TO RESPECTIVE SPECIFICATION SECTIONS. ALL COSTS SHALL BE INCLUDED IN TENDER PRICE.  2. ALL INDICATED TIMES SHALL BE COORDINATED WITH OWNER. REPORT ANY DISCREPANCIES BETWEEN SEQUENCE AND CONTROL DEVICES TO ENGINEER PRIOR TO PROGRAMMING. COORDINATE PROGRAMMING OF ANY SPACES NOT LISTED (HEREIN) WITH OWNER.		
ROOM/AREA TYPE	CONTROL SEQUENCE / CONTROL DEVICE(S)	CONTROL SYSTEM
PARKING	ON: LIGHTS TURN ON AUTOMATICALLY AT SUNSET VIA PHOTOCELL OFF: LIGHTS REMAIN AT 50% UNTIL DAWN.	MULTI-POLE CONTACTOR(S)
EXTERIOR - PERIMETER	ON: LIGHTS TURN ON AUTOMATICALLY AT DUSK VIA PHOTOCELL. OFF: LIGHTS TURN-OFF AUTOMATICALLY AT DAWN VIA PHOTOCELL.	MULTI-POLE CONTACTOR(S)
OFFICES	ON: LIGHTS TURN ON AUTOMATICALLY WHEN OCCUPANCY IS DETECTED. OFF: 10 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF.	OCCUPANCY WALL SWITCH
TRAINING ROOMS, KITCHEN	ON: LIGHTS TURN ON AUTOMATICALLY WHEN OCCUPANCY IS DETECTED. OFF: 10 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF. ADJUST: OCCUPANT ADJUSTS LIGHT LEVELS IN EACH ZONE VIA WALL STATION.	DIGITAL ROOM CONTROL SYSTEM
WASHROOM, LOCKERS, FITNESS	ON: LIGHTS TURN ON WHEN OCCUPANCY (MOTION) IS DETECTED. OFF: 20 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF.	DIGITAL ROOM CONTROL SYSTEM
APPARATUS BAY	FIXTURES ARE TO BE CONTROLLED VIA 4-WAY WALL SWITCHES.	TOGGLE WALL SWITCH

LED LIGHT FIXTURE SCHEDULE						
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description	
L1	METALUX CAT. #22C22-32-UNV-L840-CD1-U LITHONIA CAT. #2BL12 SERIES CFI CAT. #2FGXG SERIES	120V	LED 3334 LUMENS 4000K 24W	RECESSED	2'X2' (610mmX610mm) RECESSED SHALLOW VOLUMETRIC LED FIXTURE C/W OPAL ACRYLIC LENS AND 0-10V DIMMING DRIVER.	
L2	3G LIGHTING CAT. #3G-4RLJ-D750-S80-40K-UNV-DIM-WI-FL-S4 MARK CAT. #SLAL LOP 4FT FLP FL 80CRI 40K 800LMF MINI 120 FL/XXXX ZT AXIS CAT. #BBRLD-795-80-40-FL-4-W-DP-DF-DPL	120V	LED 2961 LUMENS 4000K 21W	RECESSED	4' (1220mm) LONG X 4" (102mm) WIDE GYPSUM BOARD FLANGED RECESSED DIRECT LUMINAIRE C/W 1% 0-10V DIMMING DRIVER, EXTRUDED ALUMINUM HOUSING, AND SATIN WHITE FLUSH DIFFUSER. STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L3	COOPER CAT. #4SNLED-LD5-44SL-SLW-UNV-L840-WG/SNF-4FT LITHONIA CAT. #CLX L48 SERIES CFI CAT. #FSS SERIES	120V	LED 4681 LUMENS 4000K 39W	SUSPENDED /WALL	4' (1219mm) SUSPENDED LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, 4' WIRE GUARD AND MOUNTING HARDWARE/SUSPENSION KIT.	
L4	COOPER CAT. #HC410D010-HM412840-41MDHWF LITHONIA CAT. #LDN4 40/10 LOP4R LSS MVOLT G21 TRW LIGHTQUIET CAT. #4RN-C4L10840M210U-C4RDLXX	120V	LED 1281 LUMENS 4000K 10W	RECESSED	RECESSED 4" (100mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH. MUST BE WET LOCATION LISTED.	
L5	COOPER CAT. #4SNLED-LD5-22SL-SLW-UNV-L840-WG/SNF-4FT LITHONIA CAT. #SLW4 30L PSDM G210 LP840 CFI CAT. #SDS24248LBCST-UN3-DIM C/W WGD000002 WIREGUARD	120V	LED 2200 LUMENS 4000K 20W	WALL	4' (1219mm) WALL MOUNTED LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, 4' WIRE GUARD.	
L6	COOPER CAT. #HBLED-LD5-18SE-W-A/WG-120-L840-2-CD-2 LITHONIA CAT. #IBG 18000LM SEF AFL GND 120 G210 40K 80CRI SIGNIFY CAT. #FBZ18L840-120-W-LFA	120V	LED 15413 LUMENS 4000K 122W	SUSPENDED	LED HIGHBAY FIXTURE C/W WIDE DISTRIBUTION OPTICS, SEMI-DIFFUSE ACRYLIC LENS AND TWO 0-10V DIMMING DRIVERS. NOTE FIXTURE TO BE FASTENED TO UNISTRUT CHANNELS SPANNING ACROSS THE TOP OF THE BOTTOM CHORD OF THE JOISTS. SUSPEND FIXTURE EVEN WITH THE BOTTOM OF JOISTS. ENTIRE FIXTURE ASSEMBLY IS TO HAVE A WHITE FINISH.	
L7	SISTEMALUX CAT. #1780C-B0-840-50-120-COL-D10 LITHONIA CAT. #X SENSO CAT. #LET11-S-25-40K-S45-CL-X-X-RD-X-1AF-X-010S-NA	120V	LED 2576 LUMENS 4000K 27W	SUSPENDED	LED SUSPENDED CYLINDER FIXTURE C/W DIE CAST ALUMINUM CONSTRUCTION, FLOOD DISTRIBUTION OPTICS, CLEAR PROTECTION GLASS DIFFUSER AND 0-10V DIMMING DRIVER. CONFIRM EXACT MOUNTING HEIGHT/STEM LENGTH WITH ARCHITECT. ENTIRE FIXTURE ASSEMBLY IS TO HAVE FINISH TO SUIT ARCHITECT.	
L7A	SISTEMALUX CAT. #1770C-H0-840-50-120-COL-D10 LITHONIA CAT. #X SIGNIFY CAT. #LET11-S-20-40K-S45-CL-X-X-RD-X-1AF-X-010S-NA	120V	LED 1885 LUMENS 4000K 20W	SUSPENDED	LED SUSPENDED CYLINDER FIXTURE C/W DIE CAST ALUMINUM CONSTRUCTION, FLOOD DISTRIBUTION OPTICS, CLEAR PROTECTION GLASS DIFFUSER AND 0-10V DIMMING DRIVER. CONFIRM EXACT MOUNTING HEIGHT/STEM LENGTH WITH ARCHITECT. ENTIRE FIXTURE ASSEMBLY IS TO HAVE FINISH TO SUIT ARCHITECT.	
L8	3G LIGHTING CAT. #3G-4PLJ-D101000-L250-S80-40K-UNV-DIM-FL-FL-XX-120-1C-S-8 MARK CAT. #S4LD SERIES AXIS CAT. #TB4DLED SERIES	120V	LED 4939 LUMENS 4000K 35W	SUSPENDED WITH BOTTOM AFF (TBC WITH ARCHITECT)	8' (2440mm) LONG X 3.5" (89mm) WIDE DIRECT (67%) / INDIRECT (33%) SUSPENDED LUMINAIRE C/W AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, AND 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS (UP/DOWN). STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L8A	3G LIGHTING CAT. #3G-4PLJ-D101000-S80-40K-UNV-DIM-DASY-XX-120-1C-S-8 MARK CAT. #S4LD SERIES AXIS CAT. #TB4DLED SERIES	120V	LED 4939 LUMENS 4000K 35W	SUSPENDED WITH BOTTOM AFF (TBC WITH ARCHITECT)	8' (2440mm) LONG X 3.5" (89mm) WIDE DIRECT (100%) SUSPENDED LUMINAIRE C/W ASYMMETRIC DISTRIBUTION, AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, AND 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSER. STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L10	COOPER CAT. #VP4-L-A2A-2-40K-L10 STANDARD CAT. #T4-L-S2B-80/W/40K/L10 CFI CAT. #VTS42856LBCST-UN3-DIM	120V	LED 4120 LUMENS 4000K 33W	SUSPENDED	4' (1276mm) COMPACT LED FIXTURE C/W DURABLE POLYCARBONATE HOUSING, UV STABILIZED POLYCARBONATE LENS. WET LOCATION AND IP65. MOUNTING HARDWARE/SUSPENSION KIT SHOULD BE CHOSEN ACCORDING TO ARCH. ROOM ELEVATION.	
L11	PRISM CAT. #6020-FL-3W24V-40K-IP43 C/W #6100-AP-SM-1612 AND #5015-PSU-XXW24V-JB-CL2 LU ARCHITECTURAL CAT. #LLI-L4.4W-20-40K-24V-90-XX C/W #LLI-XS-SQR-SA-F-XXIN AND #LLI-PS-NDE-XXXW-24V-KO SOI LIGHTING CAT. #FLEX-P-ULTRA-24VDC-WHT-4000K-85-XX C/W LP2410-CST-SIL-FF	120V	LED 322 LUMENS 4000K 3W	SURFACE	LED TAPE LIGHT C/W REMOTE NON-DIMMING DRIVER, LOW PROFILE ALUMINUM MOUNTING CHANNEL, AND FROSTED LENS. PROVIDE MOUNTING CLIPS, JOINERS, END CAPS, DRIVERS AS REQUIRED, AND ALL OTHER ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM INSTALLATION. THIS CONTRACTOR IS TO COORDINATE LENGTHS OF RUNS REQUIRED WITH RUNS AS SHOWN ON DRAWINGS. COORDINATE EXACT PLACEMENT OF DRIVER WITH MILLWORK AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.  NOTE: QUOTED LUMEN AND WATTAGE VALUES ARE PER FOOT.	
NOTES:	① LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.					
	② IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.					

FLOOR BOX SCHEDULE							
ITEM	MANUFACTURER/CATALOG NUMBER	TYPE	CONFIGURATION	FINISH	FIRE RATING	NO. OF GANGS	DESCRIPTION
FB1	HUBBELL BOX CAT. #CFB4G25RCRE COVER CAT. #CFBS1R6CVRXXX	CAST IN PLACE SLAB ON GRADE	ONE (1) 20A DECORA RECEPTACLE. TWO (2) DATA DROPS.	TBD	N/A	4	4 GANG RECESSED CONCRETE FLOORBOX C/W DEVICES AS NOTED AND FLUSH SURFACE ROUND COVER TO SUIT ARCHITECTURAL AND INTERIOR DESIGN FINISH. PROVIDE 1-27mmC FOR POWER AND 1-41mmC FOR DATA UNDERNEATH FLOOR SLAB TO SUIT LOCATION AS SHOWN.
FB2	HUBBELL BOX CAT. #CFB4G25RCRE COVER CAT. #CFBS1R6CVRXXX	CAST IN PLACE SLAB ON GRADE	TWO (2) 20A DECORA RECEPTACLES. TWO (2) DATA DROPS.	TBD	N/A	4	4 GANG RECESSED CONCRETE FLOORBOX C/W DEVICES AS NOTED AND FLUSH SURFACE ROUND COVER TO SUIT ARCHITECTURAL AND INTERIOR DESIGN FINISH. PROVIDE 1-27mmC FOR POWER AND 1-41mmC FOR DATA UNDERNEATH FLOOR SLAB TO SUIT LOCATION AS SHOWN.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.  
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REVISIONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER



**DEI**  
Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:  
  
**NORTH PARIS  
FIRE STATION**  
  
21 ANN WILSON WAY  
(SCOTT AVE)



COUNTY PROJECT NO.:  
  
**CPS-RFT-25-03**

DRAWING TITLE:  
  
**LIGHT FIXTURE  
SCHEDULE**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:  
  
**E104**

## EQUIPMENT WIRING SCHEDULE

E = ELECTRICAL  
M = MECHANICAL  
O = OTHERS

Mechanical Item	Description	Provided By	Electrical Data			Generator		Starter			Ctrl Device		Isolating Device		Remote Items										Other		Interlock		Remarks																			
			Voltage	Size hp/kw/Amps	Phase	MOCP	Critical Data Infrastructure	Emergency – Smoke Movement & Venting	Standby (Non–Life Safety)	Magnetic	Manual	Combination	Contactors	VFD	EDM	Hand/Off/Auto	On/Off Selector	Hand/Auto	Pilot Light	Disconnect	WP Disconnect	Breaker/Fuse	Starter/Device Wired by	Thermostat	RA Thermostat	Humidistat	Variable Speed Control	Current Sensor		Occ Sensor	Dual Voltage Relay	Interval Timer	VRF System Control Panel	CO/NOX CONTROL PANEL	Control Panel	Wired by	Bldg Auto System	Wired By	Motor Rated Switch with Pilot Light	H.O. and H.O.A. Control Switches	Interlock to	Interlock by						
HWH–1	ELECTRIC HOT WATER HEATER	M	575	18KW	3														E	E	E																											
HWH–2	ELECTRIC HOT WATER HEATER	M	575	18KW	3														E	E	E	E																										
B–1	COMBI BOILER	M	120	2.2 A	1			Y		E				E					E	E	E													M	M				BP–1, BP–3	M								
B–2	COMBI BOILER	M	120	2.2 A	1			Y		E				E					E	E	E														M	M				BP–2, BP–4	M							
B–3	BOILER	M	120	2.2 A	1			Y		E				E					E	E	E															M	M				BP–5	M						
ERV–1	ENERGY RECOVERY VENTILATOR – HORIZONTAL	M	208	18.2 FLA	3	25		Y											E	E	E	E			M			M					M	M	M	M					EDH–1, 3	M						
EDH–1	ELECTRIC DUCT HEATER (WASHROOMS, ETC)	M	575	6 KW	3			Y											E	E	E	M												M	M	M					ERV–1	M						
EDH–2	ELECTRIC DUCT HEATER (TRAINING ROOM)	M	575	3 KW	3			Y											E	E	E	M												M	M	M					AHU–1	M						
EDH–3	ELECTRIC DUCT HEATER (OFFICES)	M	575	2 KW	3			Y											E	E	E	M												M	M	M					ERV–1	M						
AHU–1	INDOOR SPLIT (TRAINING ROOM/KITCHEN)	M	208	1A	1	15		Y											E	E	E	M												M	M						HP–1, EDH–2	M		SUBFED FROM HP–1				
FC–1	DX FAN COIL (STATION OFFICE 105)	M	208	0.25 A	1	15													E	E	E	M												M	M		M				HP–2			SUBFED FROM HP–2				
FC–2	DX FAN COIL (STATION OFFICE 106)	M	208	0.25 A	1	15													E	E	E	M													M	M		M				HP–2			SUBFED FROM HP–2			
FC–3	DX FAN COIL (STATION OFFICE 112)	M	208	0.25 A	1	15													E	E	E	M													M	M		M				HP–2			SUBFED FROM HP–2			
CRAC–1	COMPUTER ROOM AIR CONDITIONER – LIEBERT PDX	M	208	34.2 FLA	1	45	Y												E	E	E	M		M										M	M	M	M				P–6, DC–1	M						
HP–1	SINGLE ZONE HEAT PUMP – TRAINING ROOM	M	208	32 MCA	1	40		Y												E	E	E												M	M						AHU–1	M						
HP–2	MULTI–ZONE HEAT PUMP – OFFICES	M	208	19 MCA	1	25														E	E	E												M	M						FC–1,2,3	M						
CU–1	DRY COOLER FOR CRAC UNIT	M	208	13.4 FLA	1	25	Y													E	E	E												M	M						CRAC–1	M						
ASHP–1	AIR SOURCE HEAT PUMP	M	575	35.7 MCA	3	50														E	E	E													M							HX–1, HX–2	M					
HX–1	ASHP HYDRO KIT	M	208	0.1 MCA	1	15													E	E	E								M						M	M	M	M				P–1, ASHP–1	M					
HX–2	ASHP HYDRO KIT	M	208	0.1 MCA	1	15														E	E	E													M	M	M	M				P–2, ASHP–1	M					
P–1	CIRCULATION PUMP – ASHP SYSTEM	M	120	454 W	1							M								E	E	E													M	M	M	M				HX–1	M					
P–2	CIRCULATION PUMP – ASHP SYSTEM	M	120	454 W	1							M								E	E	E														M	M	M	M				HX–2	M				
P–3	CIRCULATION PUMP – IN–FLOOR SYSTEM WEST	M	120	432 W	1			Y					M							E	E	E	M												M	M	M	M										
P–4	CIRCULATION PUMP – IN–FLOOR SYSTEM EAST	M	120	432 W	1			Y					M							E	E	E	M												M	M	M	M										
BP–1	BOILER CIRC PUMP	M	208	448 W	1			Y					M							E	E	E	M												M	M	M	M				B–1	M					
BP–2	BOILER CIRC PUMP	M	208	448 W	1			Y					M							E	E	E	M													M	M	M	M				B–2	M				
BP–3	BOILER CIRC PUMP	M	120	38 W	1			Y					M							E	E	E	M													M	M	M	M				B–1	M				
BP–4	BOILER CIRC PUMP	M	120	38 W	1			Y					M							E	E	E	M													M	M	M	M				B–2	M				
BP–5	BOILER CIRC PUMP	M	120	448 W	1			Y					M							E	E	E	M													M	M	M	M				B–3	M				
MP–1	ZONE 1A MANIFOLD PUMP	M	120	1/2 HP	1			Y												E	E	E	M						M						M	M/E	M	M										
MP–2	ZONE 1B MANIFOLD PUMP	M	120	1/2 HP	1			Y												E	E	E	M												M	M/E	M	M										
MP–3	ZONE 2, 3, & 4 MANIFOLD PUMP	M	120	1/2 HP	1			Y												E	E	E	M						M						M	M/E	M	M										
RP–1	DOMESTIC RECIRC PUMP	M	120	38 W	1															E	E	E	M												M/E	M	M											
WS–1	WATER SOFTENER (DUPLEX)	M	120	FHP	1															E	E	E																					PROVIDE RECEPTACLE					
UH–1	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–2	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–3	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–4	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–5	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–6	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–7	HYDRONIC UNIT HEATER	M	120	1/4 HP	1			Y												E	E	E	M													M	M	M										
UH–8	HYDRONIC UNIT HEATER	M	120	1/6 HP	1			Y												E	E	E	M													M	M	M										
EF–1A	EXHAUST FAN (BUNKER GEAR 109) SMALL	M	120	FHP	1															E	E	E																					LIGHTS	E				
EF–1B	EXHAUST FAN (BUNKER GEAR 109) LARGE	M	120	FHP	1															E	E	E																										
EF–2	EXHAUST FAN (EXTRACT 118)	M	120	FHP	1															E	E	E			M	M				M	M					M/E	M	M								HUMIDISTAT AND INTERVAL TIMER IN PARALLEL		
EF–3	SIDEWALL EXHAUST FAN	M	575	0.75 HP	3					E			E							E	E	E			M																							
EF–4	EXHAUST FAN (ANTIQUE TRUCK DISPLAY 114) CO/NO2	M	120	FHP	1			Y												E	E	E																										
EF–5	EXHAUST FAN (ELECTRICAL ROOM 123)	M	208	0.33 HP	1			Y												E	E	E			M																				RA THERMOSTAT			
EF–6	EXHAUST FAN (MECH ROOM 125)	M	120	FHP	1															E	E	E			M																				RA THERMOSTAT			
EF–7	EXHAUST FAN (ANTIQUE TRUCK DISPLAY 114) SMALL	M	120	5.1 A	1															E	E	E																						LIGHTS	E			
EF–8	EXHAUST FAN (APPARATUS BAY) HEAT	M	575	1.5 HP	3						E		E							E	E	E			M											M	M	M										
EF–9	EXHAUST FAN (APPARATUS BAY) CO/NO2	M	575	1.5 HP	3			Y		E			E	E	E	E				E	E	E													M	M	M	M										
EF–10	EXHAUST FAN (NETWORK ROOM)	M	120	FHP	1					</																																						

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings and arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

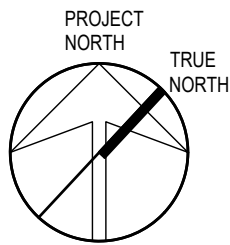
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NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COOF
2	2024.12.20	RE-ISSUED FOR 60% C
3	2025.02.14	ISSUED FOR CLASS A C
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



PROJECT

# NORTH PARIS FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

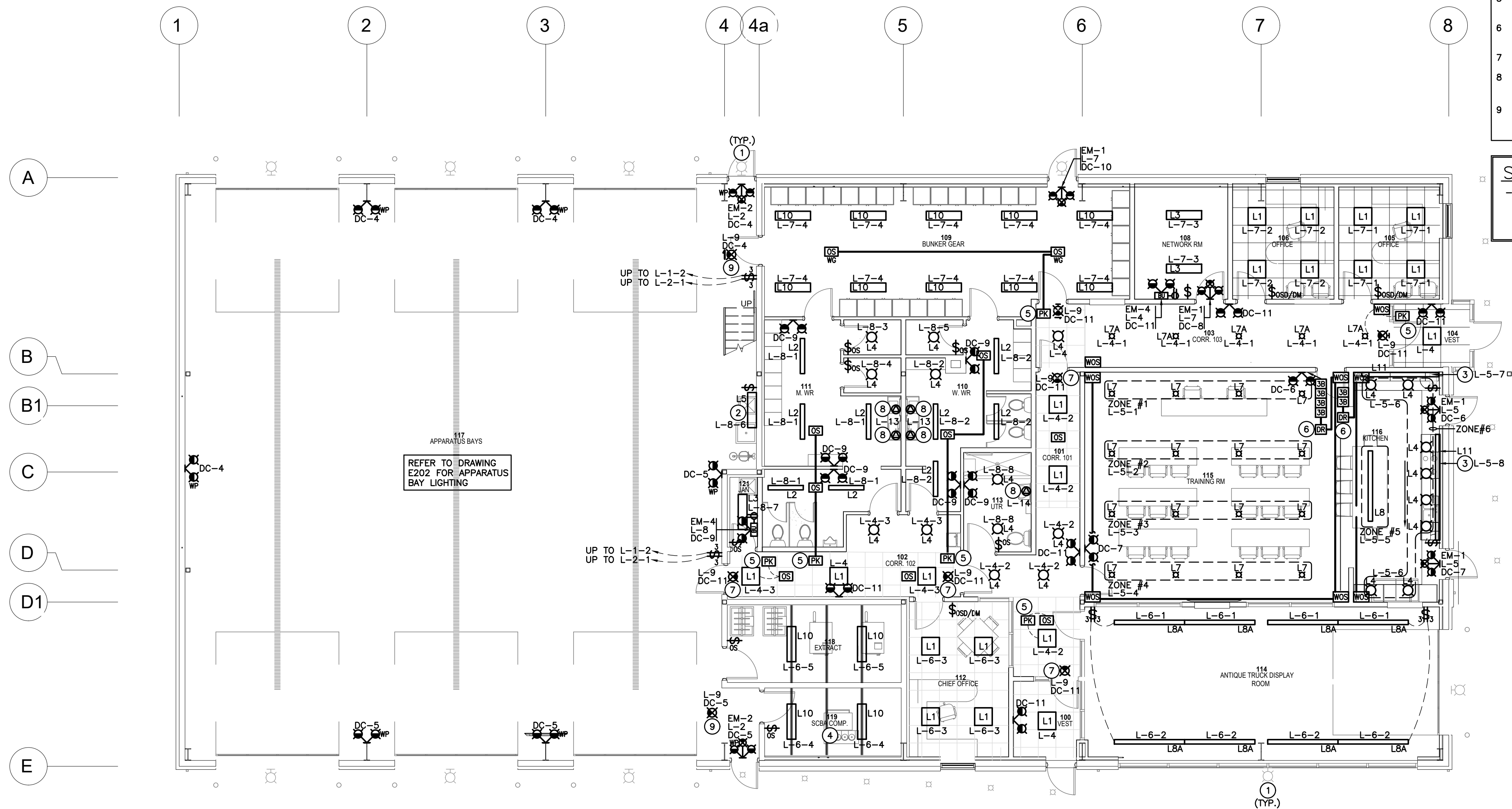
DRAWING TITLE:

## EQUIPMENT WIRING SCHEDULE

DATE: 2025.07.0  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.

# E105



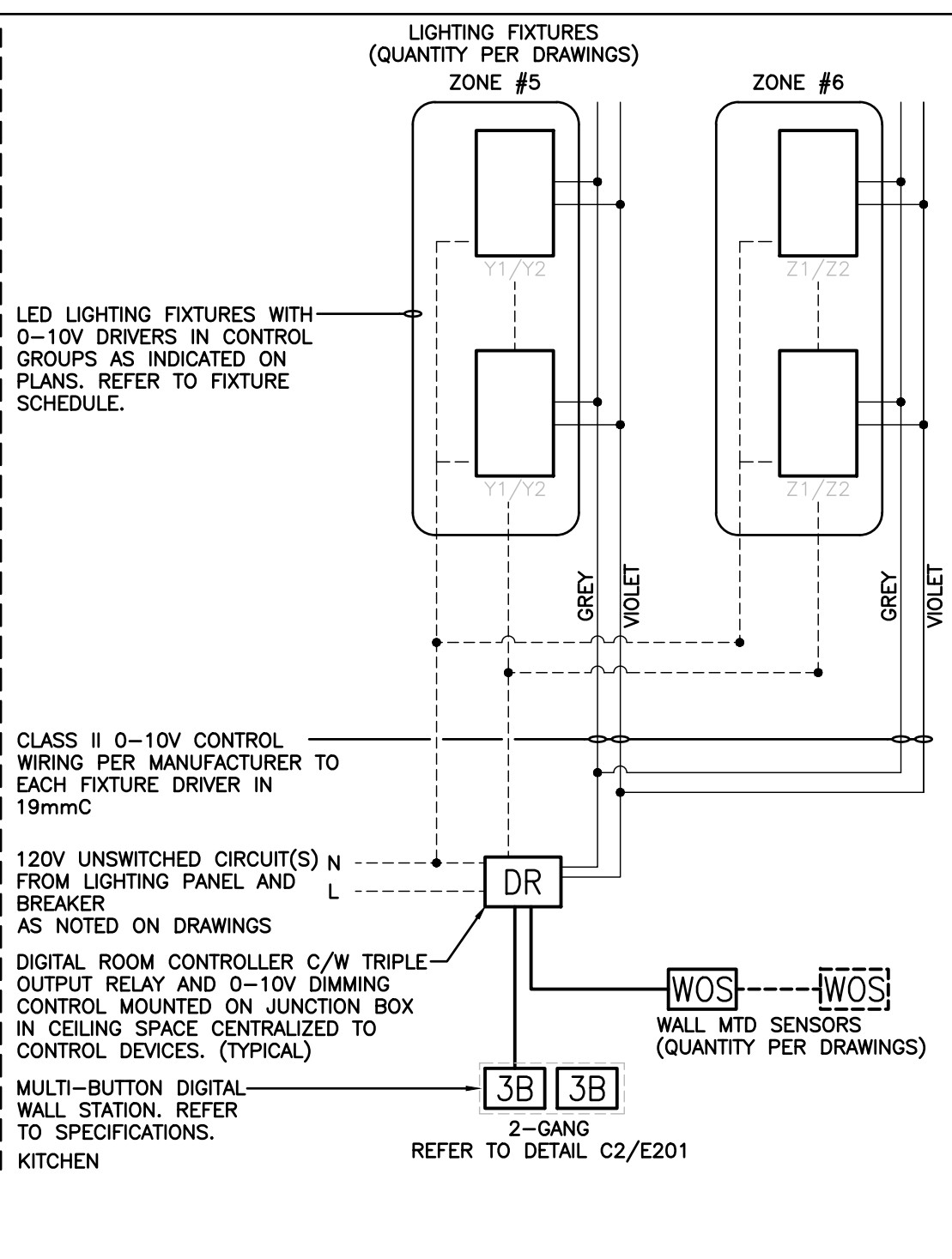
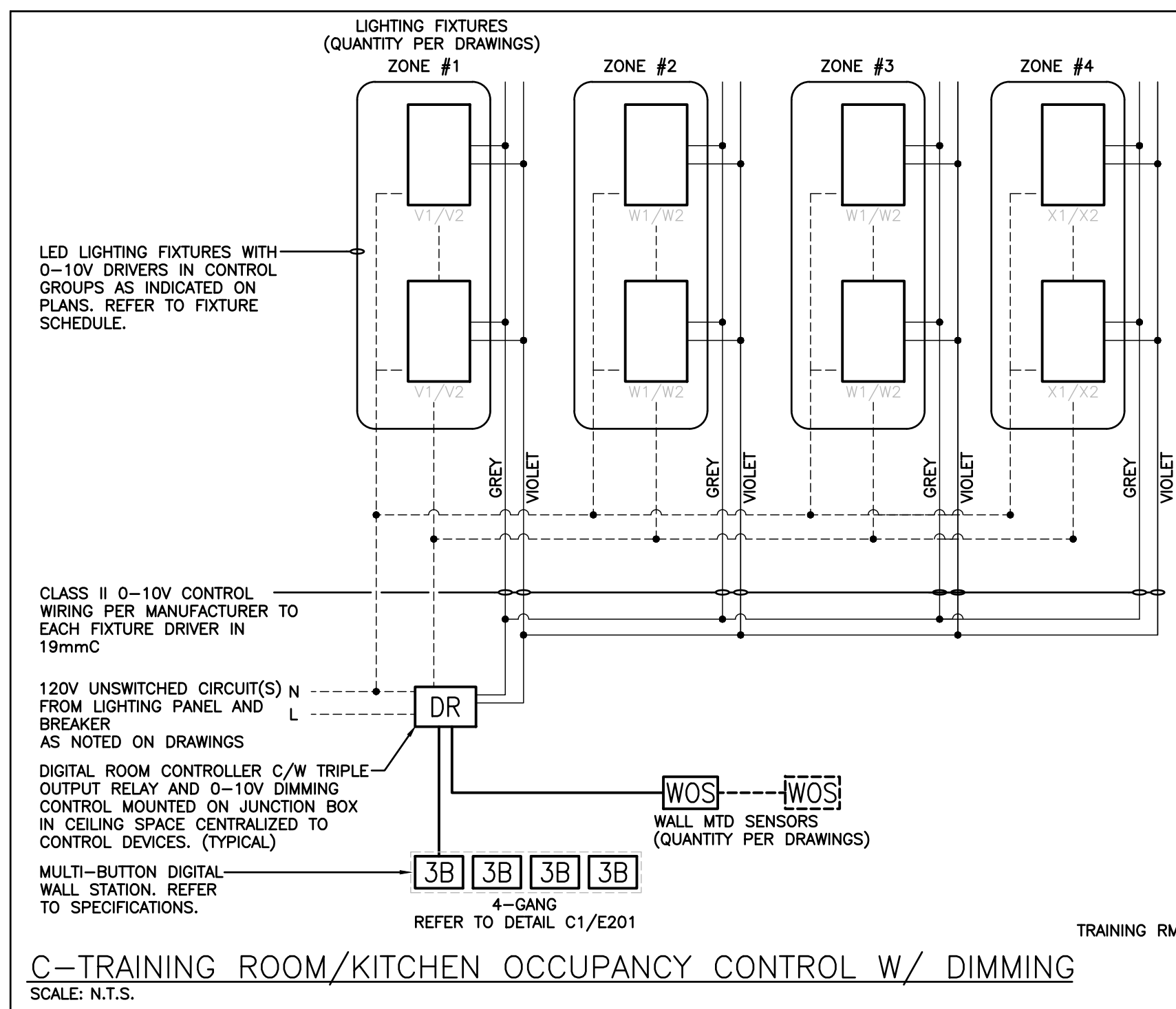
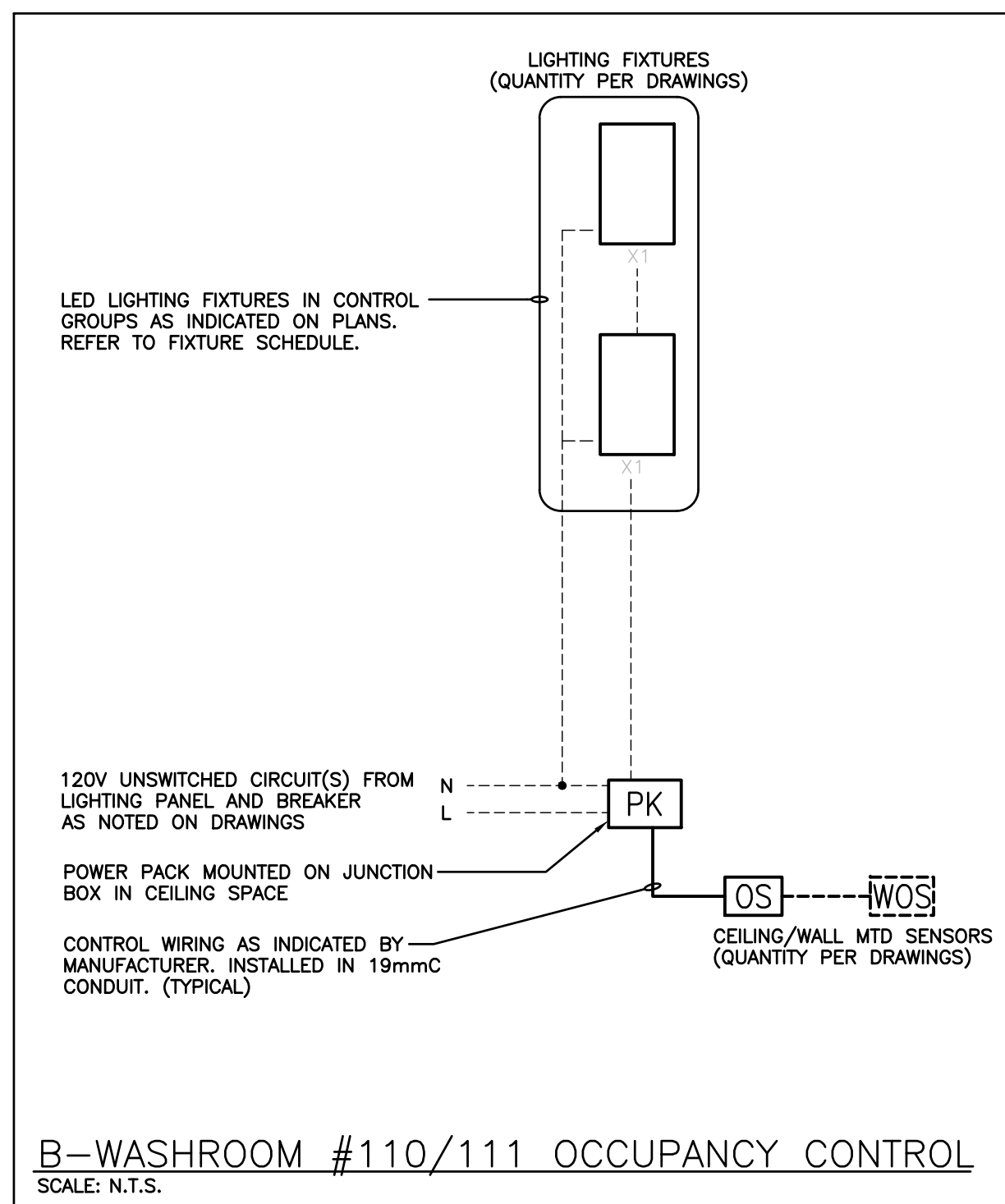
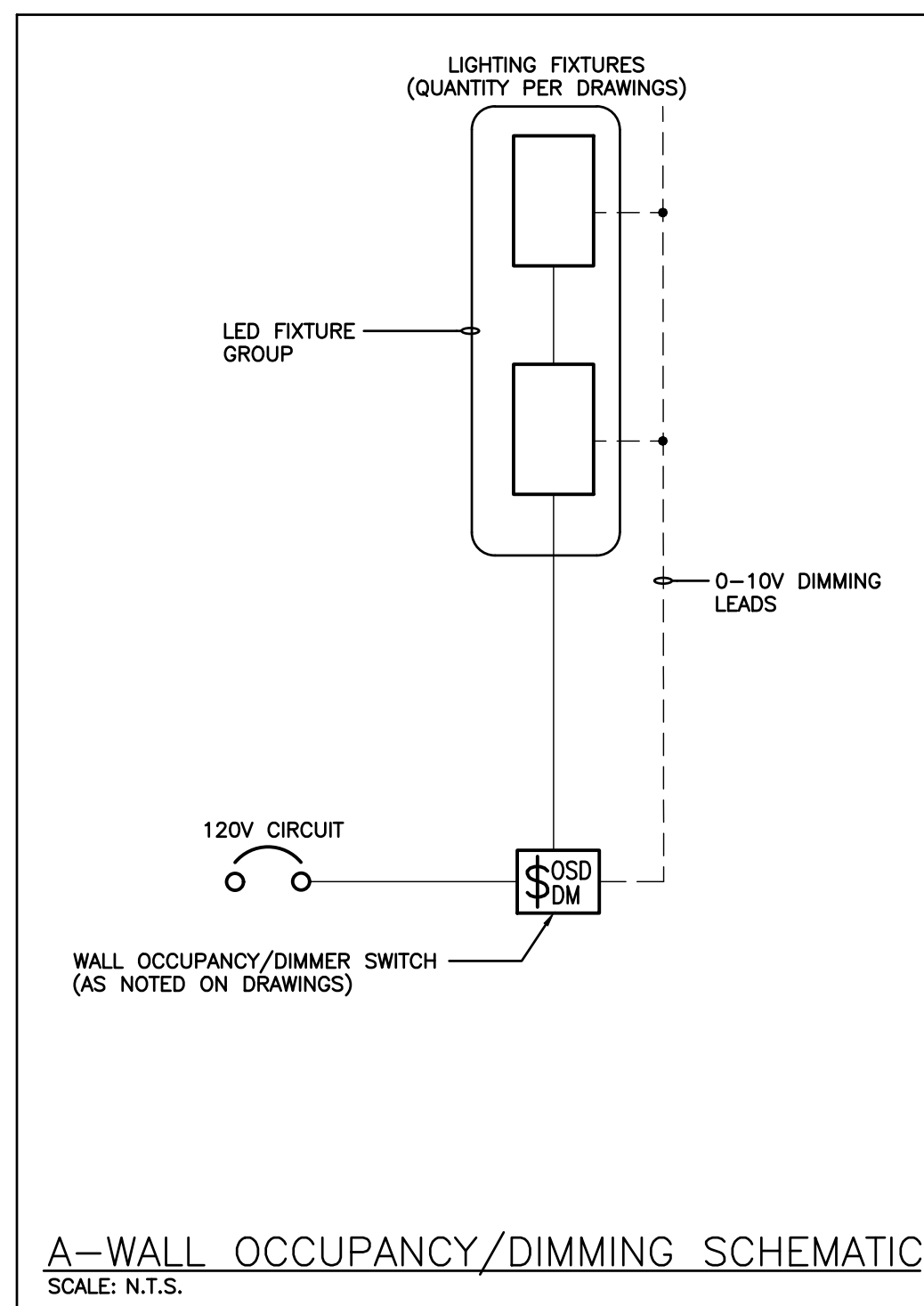
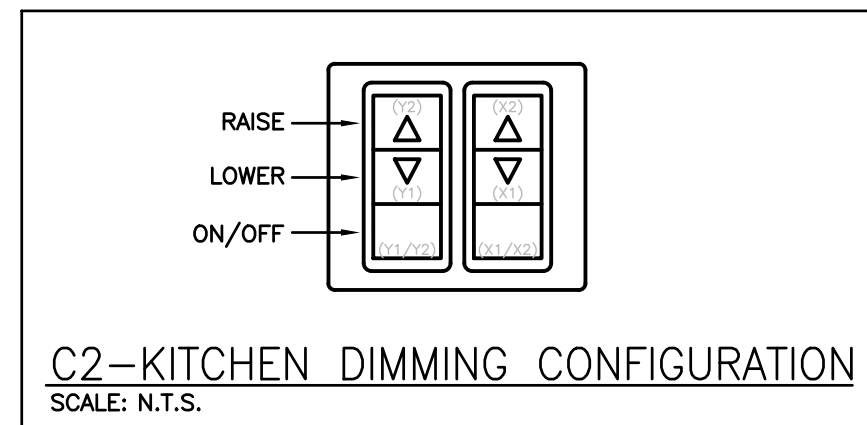
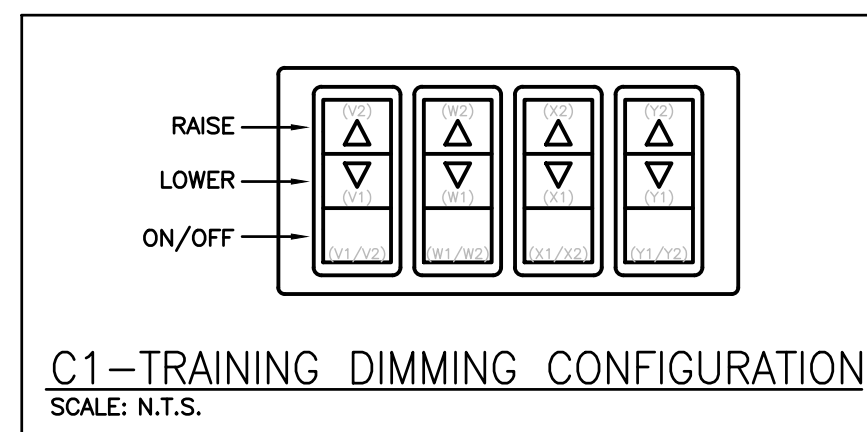
GROUND FLOOR LIGHTING PLAN  
SCALE: 1:100

### SPECIFIC NOTES

- INDICATES LOCATION OF EXTERIOR WALL LIGHT. REFER TO SITE PLAN FOR FURTHER INFORMATION.
- INDICATES WALL MOUNT LIGHT FIXTURE AT 3000mm AFF (BELOW STAIRCASE).
- INDICATES LED UNDER CABINET LIGHT FIXTURE (TYPE 'L11') MOUNTED TO UNDERSIDE OF UPPER CABINETS AT LENGTHS TO SUIT VARIOUS CABINET ARRANGEMENTS. COORDINATE EXACT LOCATION WITH MILLWORK PROVIDER PRIOR TO INSTALLATION.
- FOR LIGHT FIXTURES IN SCBA ROOM, CONTRACTOR SHALL CONFIRM MOUNTING ELEVATION IN THE FIELD. LIGHT FIXTURES MUST CLEAR ALL PIPE WORK AND MECHANICAL EQUIPMENT.
- INDICATES POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED MOTION SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- INDICATES DIGITAL ROOM CONTROLLER POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE. REFER TO LIGHTING CONTROL DETAILS.
- INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- INDICATES CONNECTION FOR MIRROR LIGHTS. CONFIRM EXACT LOCATION/REQUIREMENTS WITH MIRROR PROVIDER PRIOR TO ROUGH-IN.
- INDICATED EXIT LIGHT TO BE ROD HUNG AT HEIGHT THAT WILL BE SEEN WITH TRUCKS IN BAY. CONFIRM EXACT MOUNTING HEIGHT ON SITE.

### SEISMIC RESTRAINT OF ELECTRICAL SYSTEMS

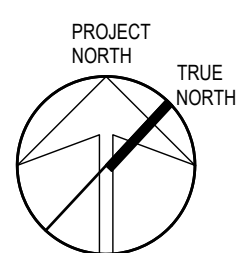
- IT'S THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL WORK AND MATERIALS RELATED TO SEISMIC RESTRAINT SYSTEMS FOR ALL ELECTRICAL EQUIPMENT AND COMPONENTS ON THIS PROJECT. ALL EQUIPMENT AND COMPONENTS SHALL BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. CONTRACTOR MUST PROVIDE ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS.



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2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER



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Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

GROUND FLOOR LIGHTING

DATE: 2025.07.09

SCALE: As Noted

DRAWN: KF

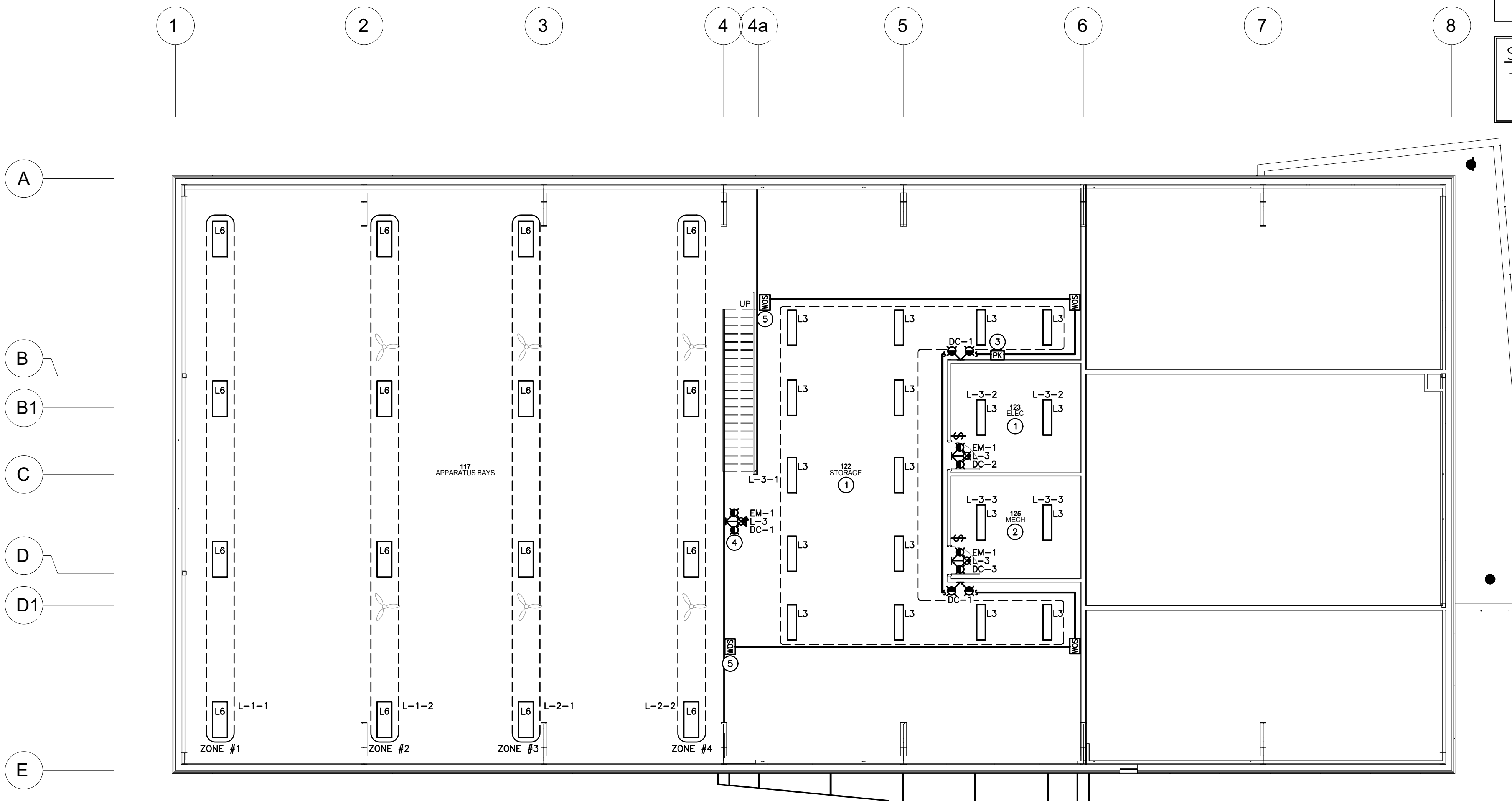
STATUS: TENDER

JOB NO.: 2411

DRAWING NO.:

E201





MEZZANINE LIGHTING PLAN  
SCALE: 1:100

#### SPECIFIC NOTES

1. FIXTURES IN THIS ROOM ARE TO BE SUSPENDED ON CHAIN TO 2700mm AFF. CO-ORDINATE WITH MECHANICAL SERVICES. MAINTAIN MAXIMUM HEADROOM.
2. EXACT LOCATION OF FIXTURES IN THIS ROOM ARE TO BE CO-ORDINATED WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION. SUSPEND FIXTURE BUT MAINTAIN MAXIMUM HEAD ROOM.
3. INDICATES POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED MOTION SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
4. INDICATED COMBO UNIT TO BE ROD HUNG. CONFIRM EXACT MOUNTING HEIGHT ON SITE.
5. INDICATED LIGHTING CONTROLS TO BE STEM SUSPENDED.

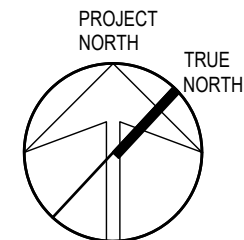
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PROJECT:

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

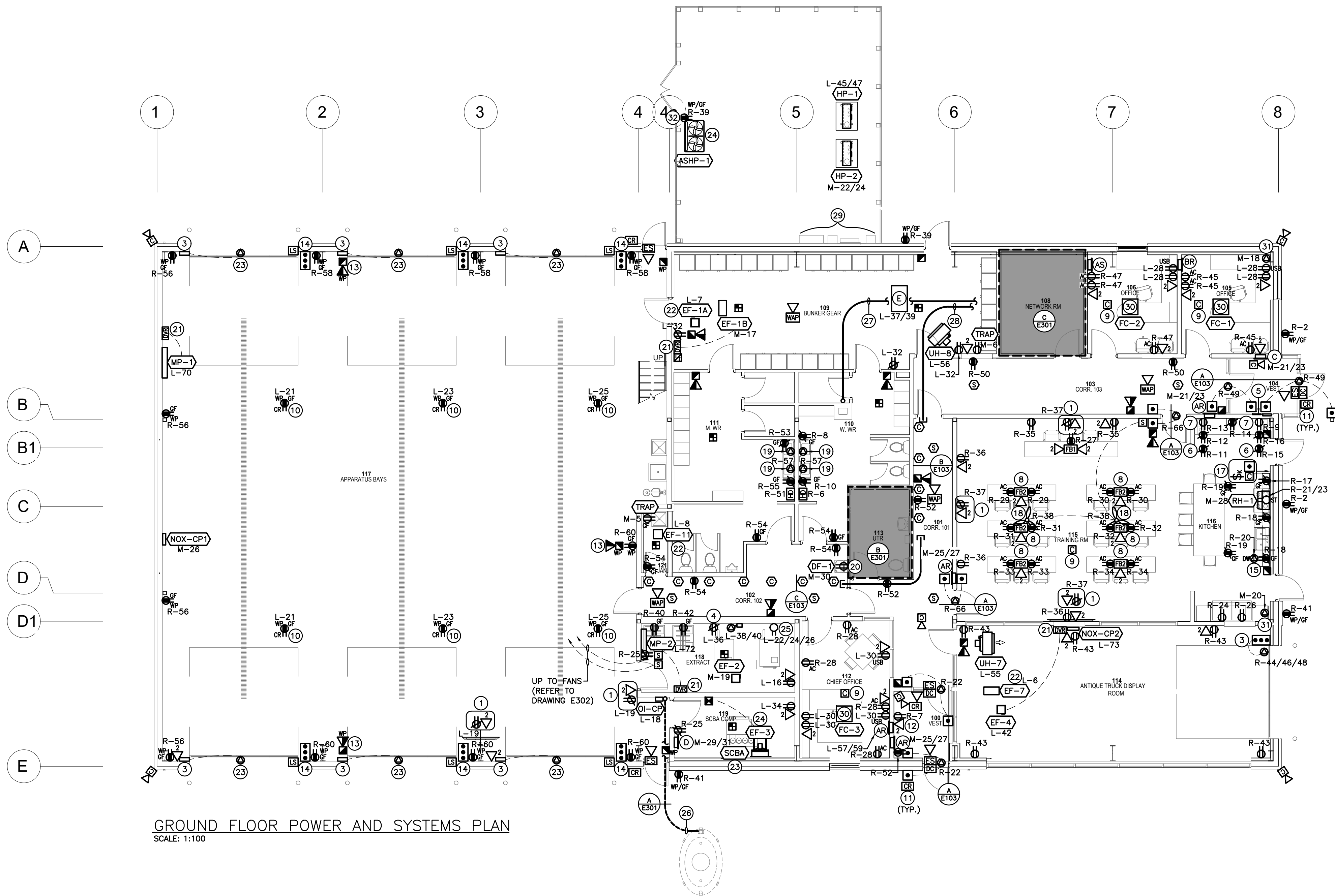
DRAWING TITLE:

MEZZANINE LIGHTING

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

E202



GROUND FLOOR POWER AND SYSTEMS PLAN  
SCALE: 1:100

## SPECIFIC NOTES

1. PROVIDE DEVICES FOR OWNER'S TV. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCH.
2. INDICATES RECEPTACLE MOUNTED AT HIGH LEVEL FOR FUTURE LIFT. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT WITH SCHOOL BOARD.
3. INDICATES OVERHEAD DOOR CONTROL PANEL COMPLETE WITH ELECTRIC DOOR OPERATOR / MOTOR AND LIMIT SWITCHES. CONTRACTOR SHALL PROVIDE PER OWNER'S SPECIFICATION. IT'S THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A COMPLETE INSTALLATION AND FUNCTIONAL SYSTEM.
4. INDICATES EXTRACTOR CONNECTION/DISCONNECT AND RECEPTACLE FOR EXTRACTOR CHEMICAL PUMP. COORDINATE EXACT REQUIREMENTS WITH EXTRACTOR PROVIDER.
5. INDICATES LOCATION OF FIRE ALARM ANNUNCIATOR AND PASSIVE GRAPHIC.
6. PROVIDE RECEPTACLE FOR OWNER'S MICROWAVE. CONFIRM EXACT LOCATION/MOUNTING HEIGHT WITH MILLWORK PROVIDER.
7. PROVIDE RECEPTACLE FOR OWNER'S UNDER-COUNTER FRIDGE. CONFIRM EXACT LOCATION/MOUNTING HEIGHT WITH MILLWORK PROVIDER.
8. PROVIDE FLOOR BOX C/W POWER CONDUITS TO NEAREST PARTITION.
9. INDICATES MULTI-POLE CONTACTOR(S) C/W PILOT LIGHT PER SPECIFICATIONS FOR CONTROL OF NOTED AUTOMATICALLY CONTROLLED RECEPTACLE CIRCUITS ('AC') IN OFFICES AND TRAINING ROOM VIA BAS INPUT.
10. PROVIDE CORD REEL RECEPTACLE AS PER DETAIL F/E103. CONFIRM EXACT LOCATION IN THE FIELD WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
11. PROVIDE DEVICE ROUGH-INS FOR SECURITY SYSTEM ACCESS CONTROL IN LOCATIONS SHOWN. PROVIDE DEVICE BACKBOXES C/W 21mmC TO SECURE SIDE OF DOORWAY IN JUNCTION BOX AT HIGH LEVEL.
12. INDICATES DEVICES FOR OWNER'S BOOK VENDING MACHINE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
13. INDICATES DEVICE TO BE C/W 75 CANDELA STROBE MINIMUM.
14. INDICATES OVERHEAD DOOR OPENER. CONTRACTOR SHALL CONFIRM REQUIREMENTS WITH OWNER.
15. PROVIDE CONNECTION FOR OWNER'S UNDERCOUNTER DISHWASHER. CONFIRM EXACT LOCATION/MOUNTING HEIGHT WITH MILLWORK PROVIDER.
16. INDICATES HANDICAP DOOR OPERATOR ROUGH-IN PER DETAIL C/W "PUSH TO LOCK" BUTTON (TO LOCK THE DOOR AND DISABLE THE EXTERIOR WALKWAY) AND DOME LIGHT IN CORRIDOR. PUSHBUTTON HARDWARE PROVIDED BY DOOR HARDWARE SUPPLIER. THIS CONTRACTOR TO PROVIDE SINGLE GANG BOX ALONG WITH CONDUIT/CONNECTIONS AND DOME LIGHT AS SHOWN. REFER TO DETAIL H/E103.
17. INDICATES 208V, 50A-2P, CONTACTOR FOR CONTROLLING KITCHEN/DAY ROOM STOVE. CONTACTOR SHALL BE COMPLETE WITH 120V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH AND RED PILOT LIGHT. CONTACTOR SHALL BE CONTROLLED THROUGH KEYED SWITCH AND EMERGENCY PUSHBUTTON AS PER DETAIL J/E103. MOUNT CONTACTOR ON WALL TO SUIT.
18. COORDINATE EXACT LOCATION/MOUNTING HEIGHT OF CEILING FANS WITH LIGHTS/BAFFLES/STRUCTURE/DUCTWORK. CONFIRM WITH ARCHITECT.
19. INDICATES CONNECTION FOR AUTOMATIC FAUCET. CONFIRM LOCATION/REQUIREMENTS WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.
20. INDICATES RECEPTACLE FOR REFRIGERATED DRINKING FOUNTAIN. CONFIRM LOCATION/REQUIREMENTS WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.
21. INDICATES DUAL VOLTAGE RELAY WALL MOUNTED WITHIN CEILING SPACE ADJACENT TO NOTED MECHANICAL EQUIPMENT.
22. INDICATED EXHAUST FAN TO BE CONTROLLED WITH LIGHTS. REFER TO EWS.
23. INDICATED EQUIPMENT FED FROM DISTRIBUTION PANEL 'DP-GEN'. REFER TO DISTRIBUTION RISER DIAGRAM.
24. INDICATED EQUIPMENT FED FROM MAIN SWITCHBOARD 'AAA'. REFER TO DISTRIBUTION RISER DIAGRAM.
25. INDICATES EXTRACTOR RECEPTACLE. FOR PRICING PURPOSES USE NEMA 15-50R TYPE AND COORDINATE EXACT REQUIREMENTS/BREAKER SIZE WITH EXTRACTOR PROVIDER.
26. INDICATES 1-50mm (2") CONDUIT RUN BETWEEN ALARM PANEL AND OIL INTERCEPTOR. CONFIRM EXACT REQUIREMENTS WITH MECHANICAL TRADE. WIRING BY MECHANICAL TRADE.
27. INDICATES 1-53mm COMMUNICATIONS CONDUIT (REFER TO ENLARGED PLAN C/E301 FOR CONTINUATION).
28. INDICATES 1-63mm COMMUNICATIONS CONDUIT (REFER TO ENLARGED PLAN C/E301 FOR CONTINUATION).
29. INDICATES APPROXIMATE LOCATION OF SOLAR EQUIPMENT BY OTHERS.
30. INDICATED FC UNIT SUB-FED FROM HP-2. REFER TO EWS.
31. INDICATES CONNECTION FOR HEAT TRACING PROVIDED BY MECHANICAL TRADE. THIS CONTRACTOR IS TO PROVIDE 120V CIRCUIT AND CONNECTION TO SUIT. COORDINATE EXACT LOCATION/REQUIREMENTS WITH MECHANICAL TRADE. PRIOR TO ROUGH-IN.

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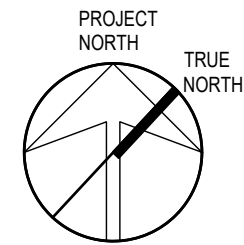
## HEATER SCHEDULE

FOR INFORMATION REGARDING EQUAL MANUFACTURERS REFER TO SPECIFICATION.	
Item	Manufacturer/Catalog Number
AR	1125 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W RECESSED MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC01500-T
AS	1125 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W SURFACE MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC01500-T C/W KIT-OAC-B51
BR	1500 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W RECESSED MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC02000-T
BS	1500 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W SURFACE MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC02000-T C/W KIT-OAC-B51
C	2000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W RECESSED MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC02008-T
D	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED HEATER C/W SURFACE MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC04000-T C/W KIT-OAC-B51
E	3000 WATT 208 VOLT SINGLE PHASE FAN FORCED CEILING HEATER C/W SURFACE MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OACP4000-T

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**Consulting Engineers**  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:

**NORTH PARIS  
FIRE STATION**

**21 ANN WILSON WAY  
(SCOTT AVE)**

CLIENT:



COUNTY PROJECT NO.:

**CPS-RFT-25-03**

DRAWING TITLE:

**GROUND FLOOR POWER  
AND SYSTEMS**

DATE: 2025.07.09

SCALE: As Noted

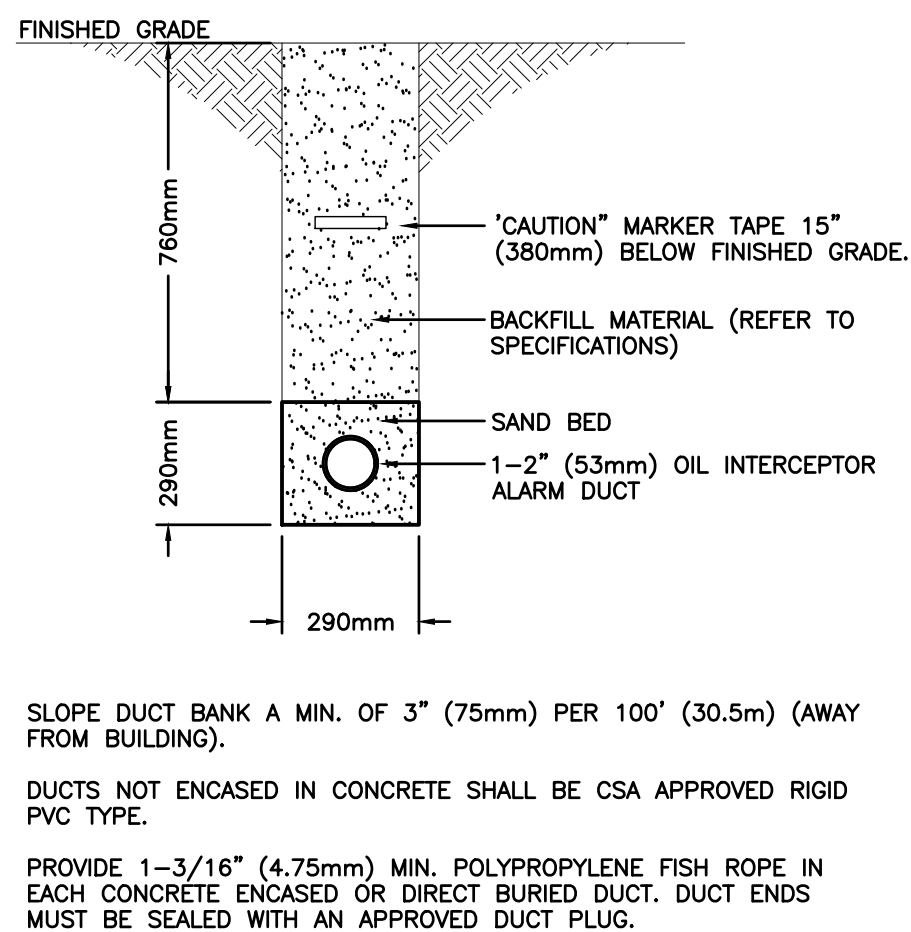
DRAWN: KF

STATUS: TENDER

JOB NO.: 2411

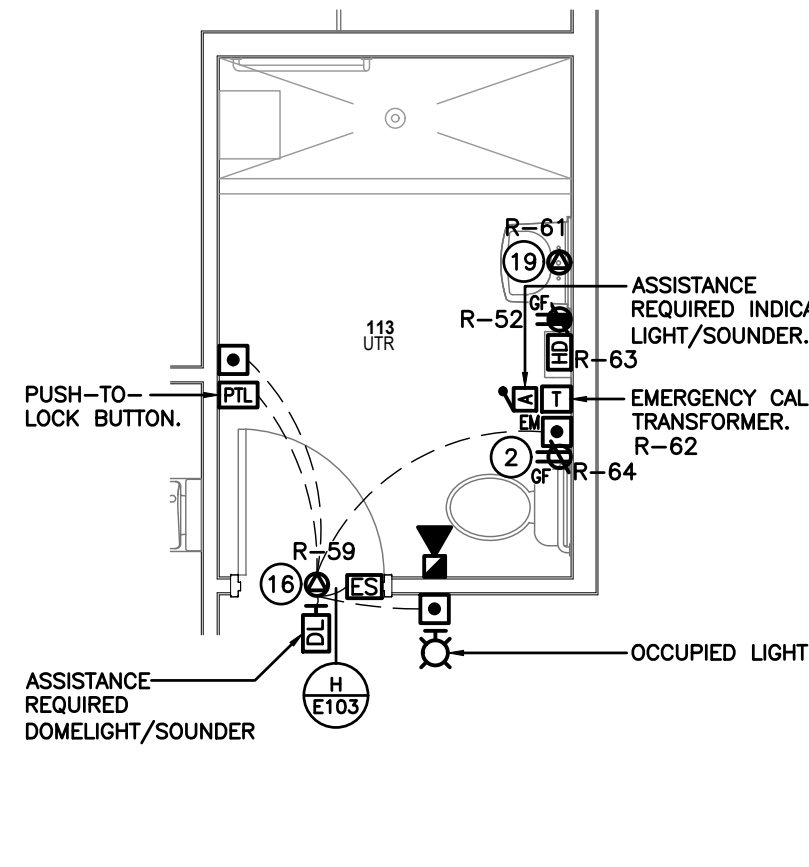
DRAWING NO.:

**E301**

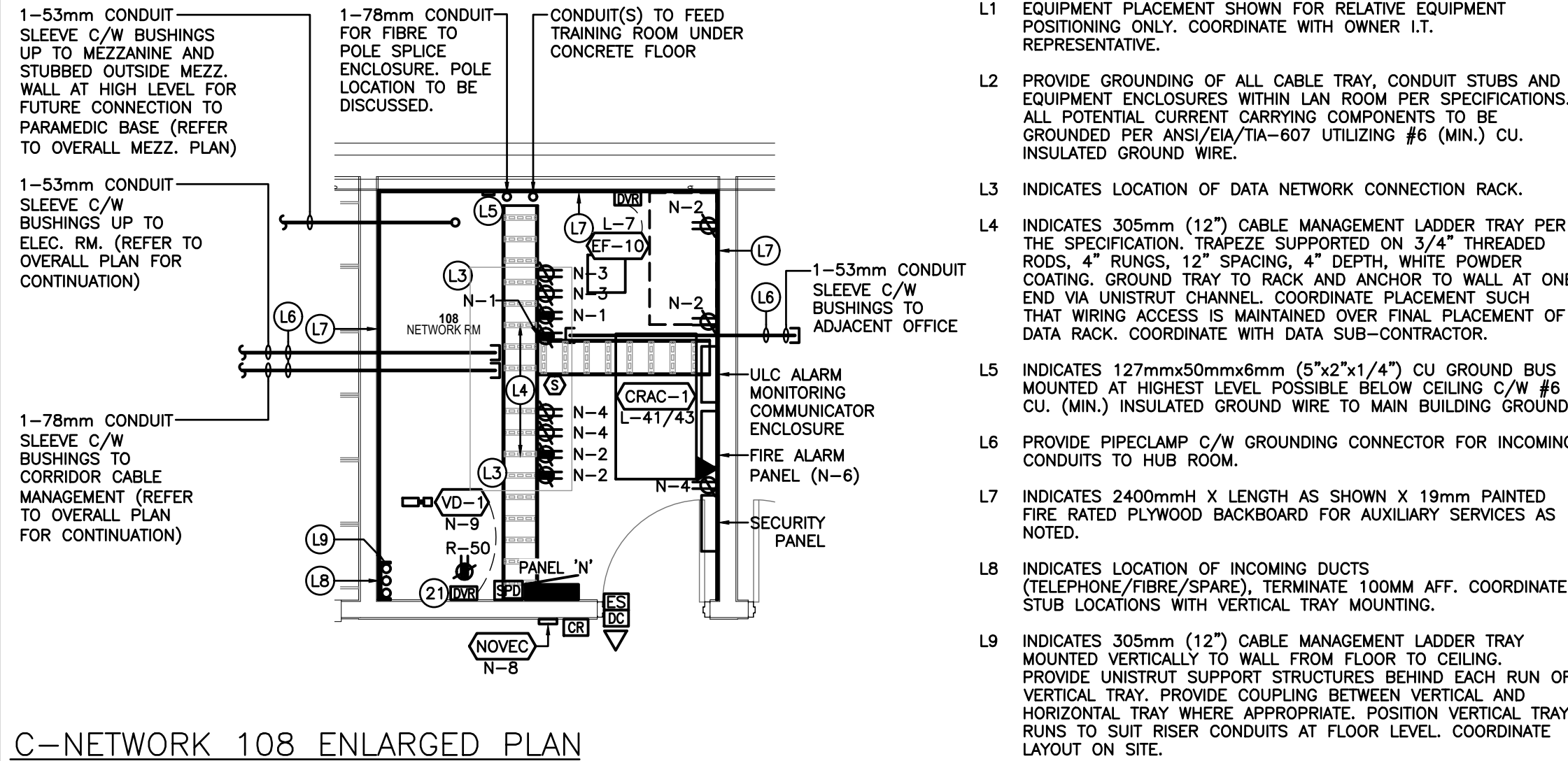


1. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
2. DUCTS NOT ENCASED IN CONCRETE SHALL BE CSA APPROVED RIGID PVC TYPE.
3. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH CONCRETE ENCASED OR DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

A-OIL INTERCEPTOR ALARM DUCTBANK DETAIL  
SCALE: NTS

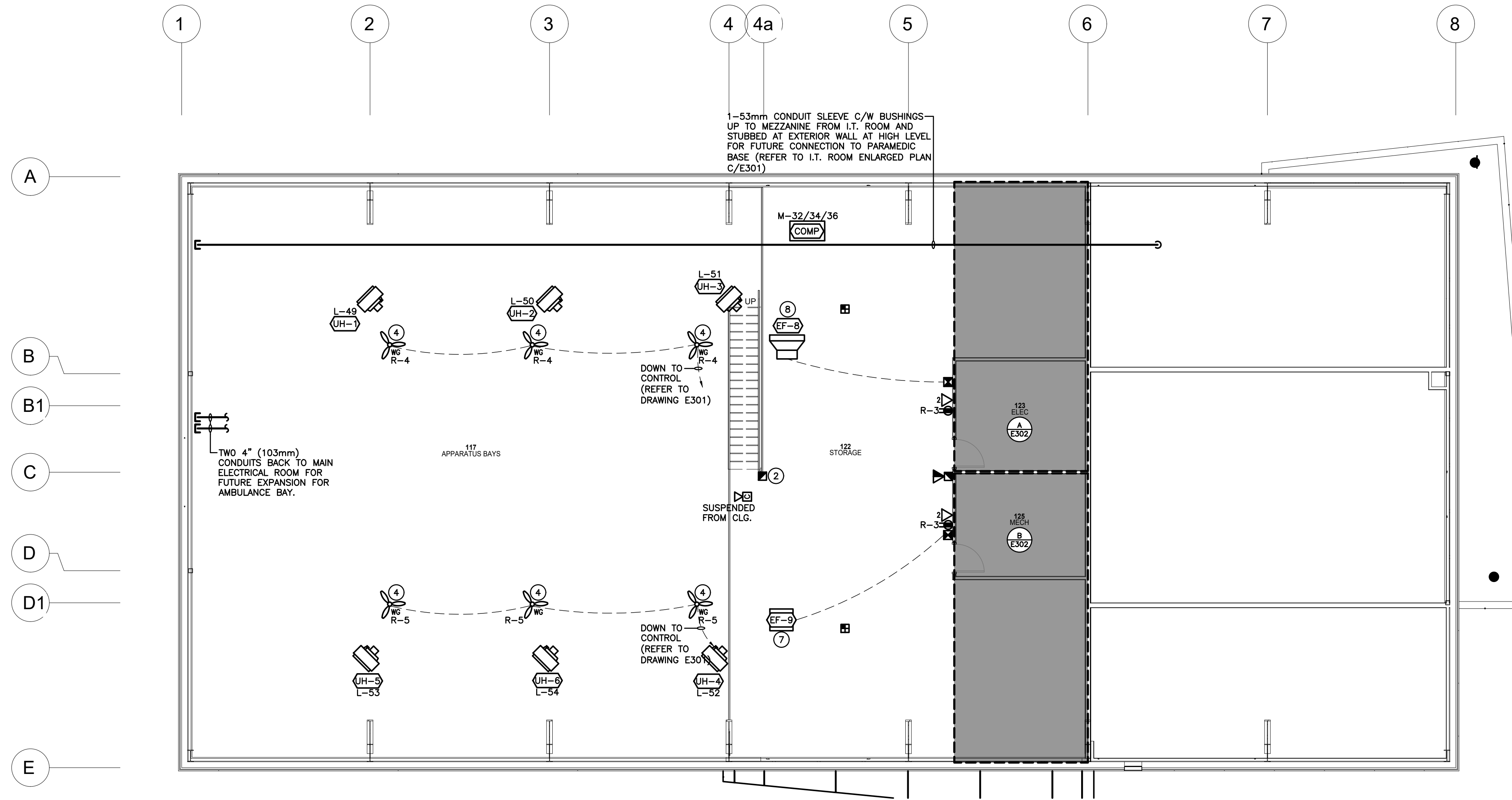


B-UTR 113 ENLARGED PLAN  
SCALE: 1:50

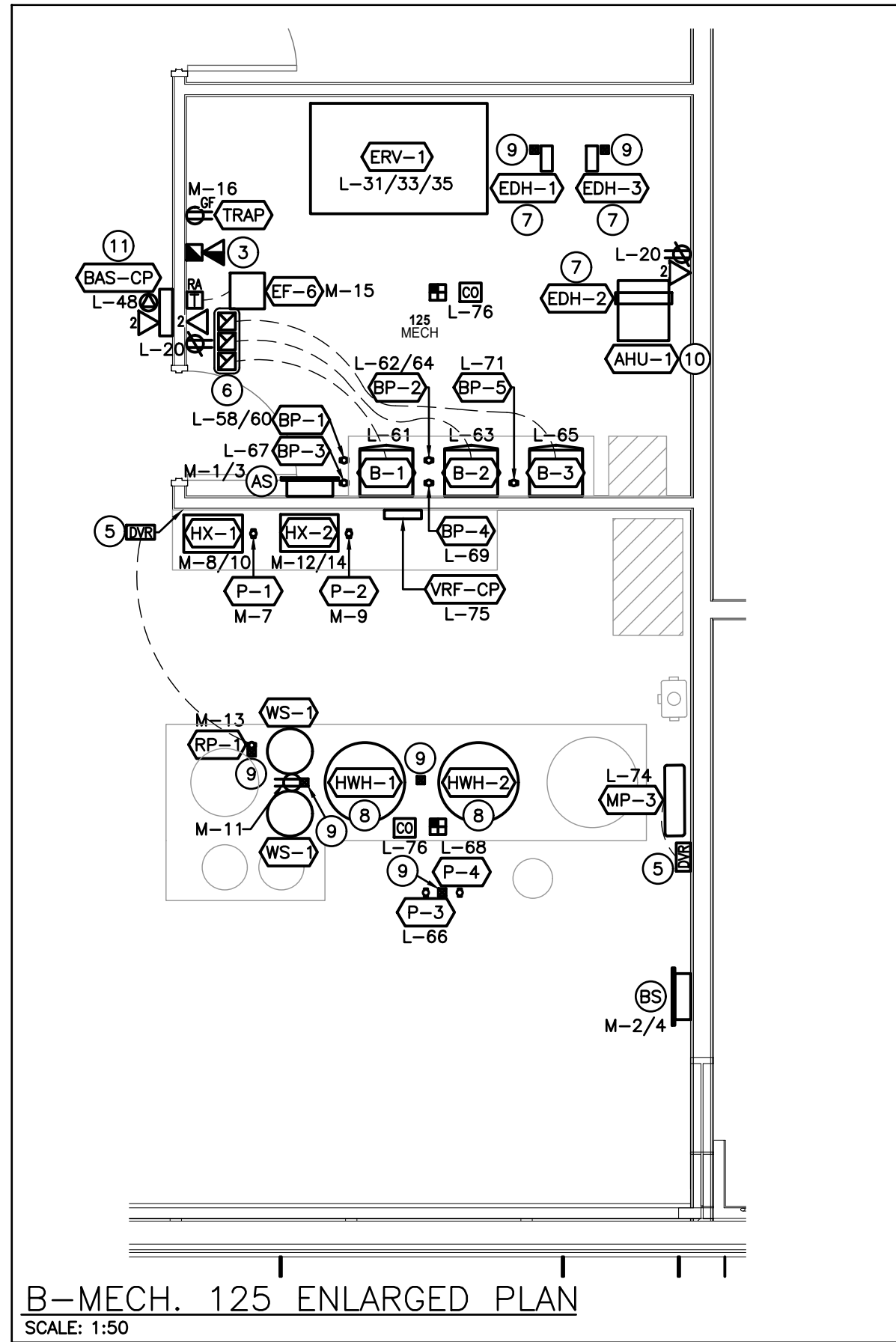
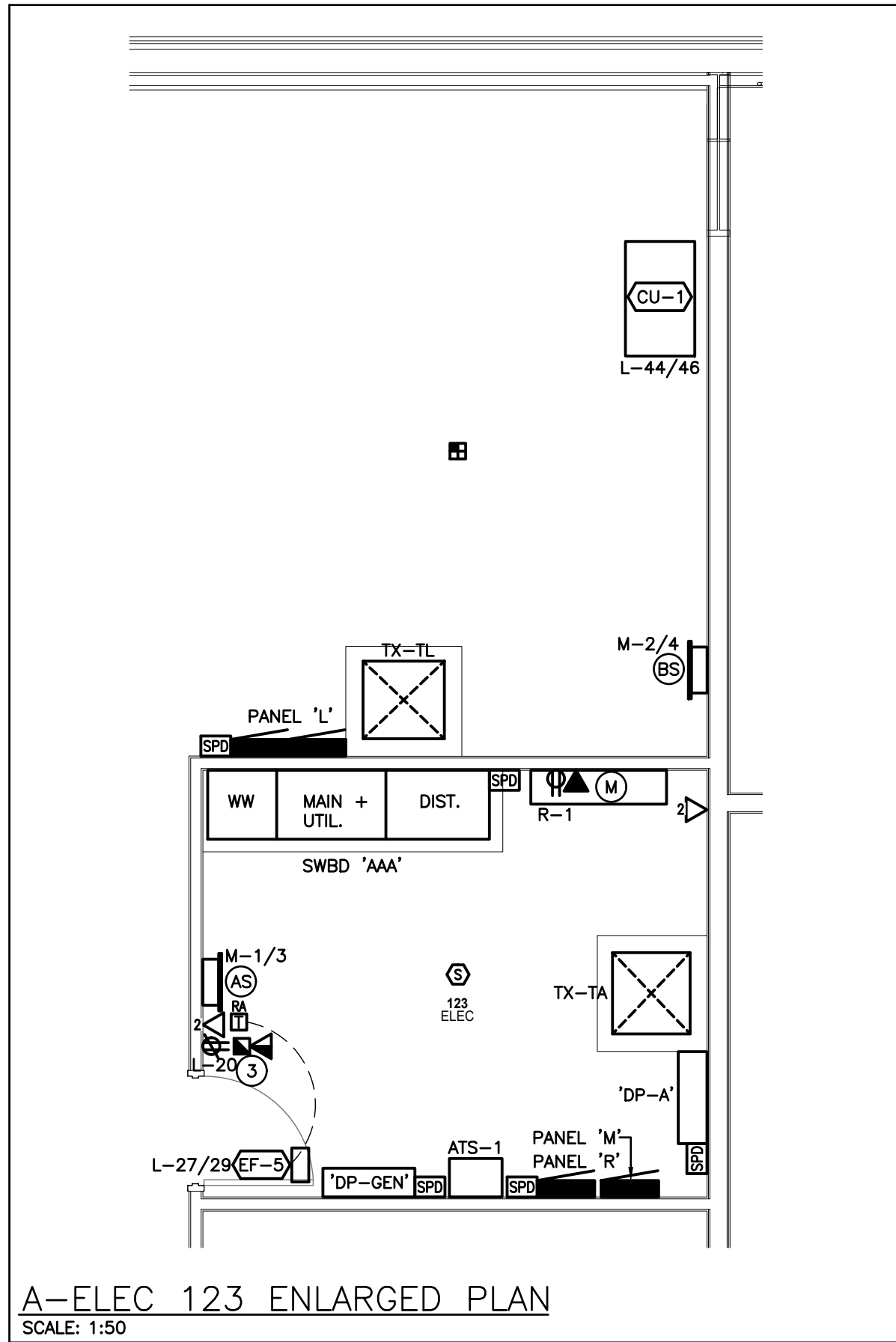


C-NETWORK 108 ENLARGED PLAN  
SCALE: 1:50





MEZZANINE POWER AND SYSTEMS PLAN  
SCALE: 1:100



### SPECIFIC NOTES

- CONTRACTOR SHALL READ THIS DRAWING IN CONJUNCTION WITH DRAWING E301 FOR ADDITIONAL NOTES.
- INDICATED PULLSTATION TO BE MOUNTED TO RAILING. CONFIRM EXACT LOCATION WITH ARCHITECT.
- SET DEVICE VOLUME TO LOW SETTING.
- COORDINATE EXACT LOCATION/MOUNTING HEIGHT OF CEILING FANS WITH LIGHTS/STRUCTURE/DUCTWORK. CONFIRM WITH ARCHITECT.
- INDICATES DUAL VOLTAGE RELAY WALL MOUNTED WITHIN CEILING SPACE ADJACENT TO NOTED MECHANICAL EQUIPMENT.
- INDICATES BOILER SHUT OFF SWITCHES TO BE MOUNTED AT 1800mm AFF. PROVIDE LAMICOID LABEL NOTING DEVICE CONTROLLED.
- INDICATED EQUIPMENT FED FROM DISTRIBUTION PANEL 'DP-GEN'. REFER TO DISTRIBUTION RISER DIAGRAM.
- INDICATED EQUIPMENT FED FROM MAIN SWITCHBOARD 'AAA'. REFER TO DISTRIBUTION RISER DIAGRAM.
- INDICATES FLOOR-TO-STRUCTURE UNISTRUT UPSTAND TO FEED SERVICES TO MECHANICAL EQUIPMENT NOTED. SUPPORT UPSTAND TO FLOOR WITH "FLOOR BOOT" AND TO STRUCTURE WITH ADDITIONAL UNISTRUT TO SUIT. CONFIRM PROPER LOCATION OF UPSTAND FROM EQUIPMENT SHOP DRAWINGS. REFER TO DETAIL D/E103.
- INDICATED AHU-1 SUB-FED FROM HP-1. REFER TO EWS.
- PROVIDE POWER AND DATA CONNECTION TO EACH BAS CABINET. CONFIRM QUANTITY AND FINAL LOCATION WITH BAS CONTRACTOR. TERMINATE DATA DROPS WITHIN BAS PANELS AT COMMUNICATION PORTS. CO-ORDINATE HEIGHT AND EXACT LOCATIONS OF BUILDING AUTOMATION SYSTEM PANEL WITH BAS CONTRACTOR.

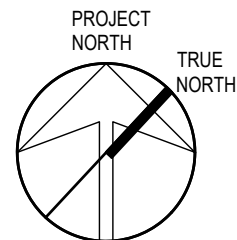
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PROJECT:

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

MEZZANINE POWER AND  
SYSTEMS

DATE:

2025.07.09

SCALE:

As Noted

DRAWN:

KF

STATUS:

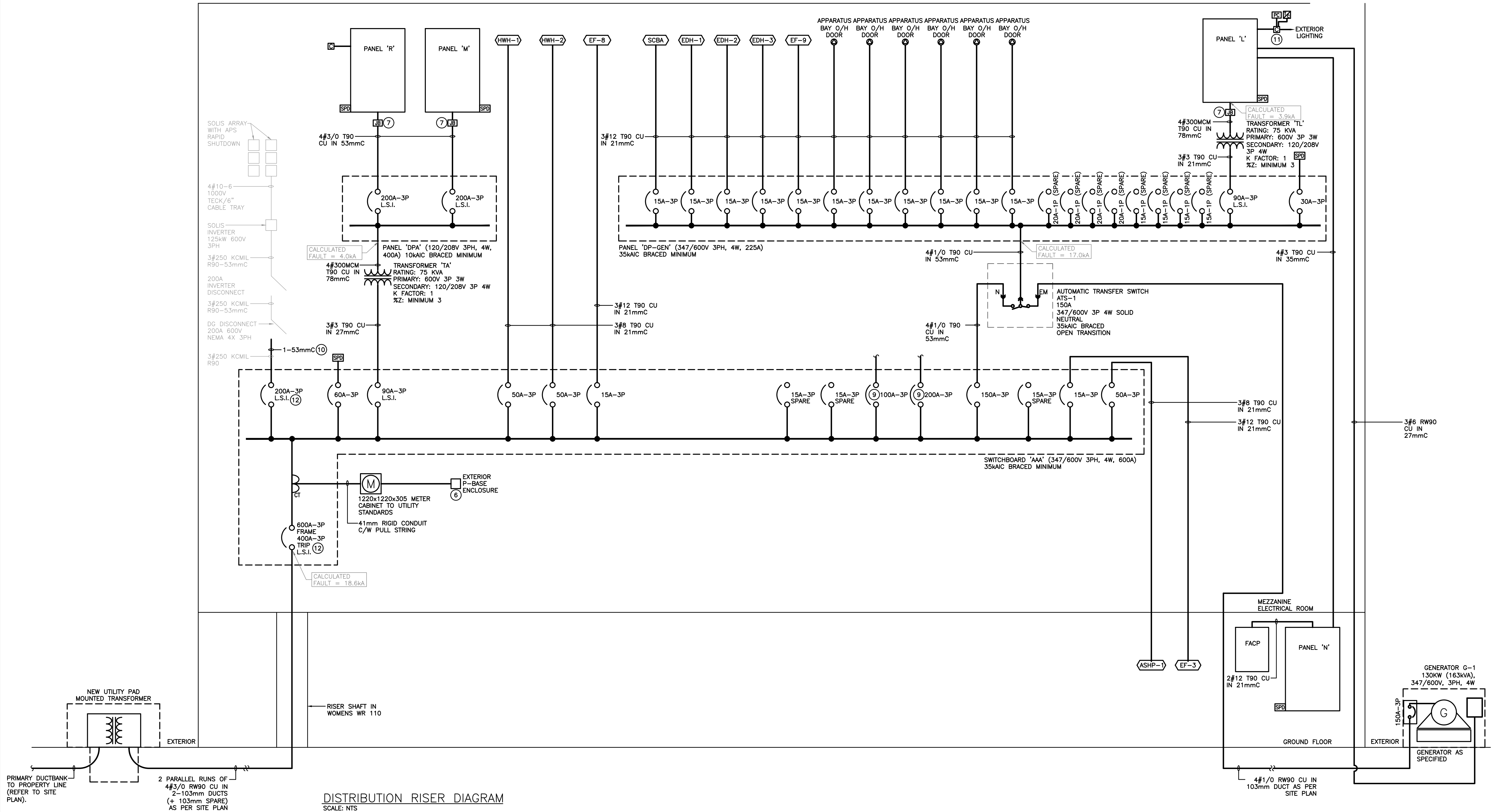
TENDER

JOB NO.:

2411

DRAWING NO.:

E302



DISTRIBUTION RISER DIAGRAM  
SCALE: NTS

GENERATOR SCHEDULE (OUTDOOR WITH ENCLOSURE)																REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ASSOCIATED TRANSFER SWITCHES	
Tag	Basis Of Design	Rating	Capacity (kW)		Power Factor	Voltage	Phase	Wire	RPM	Altitude	Ambient Temp.	Alternator	Fuel	Fuel Consumption at 100% load	Sound data	Weight (includes enclosure)	Accessories
			Standby	Prime													
G-1	GENERAC CAT. #56130	STANDBY (NON LIFE SAFETY)	130	—	0.8	347/600	3	4	1800	300m (1000ft)	40°C	150kW	NATURAL GAS	1,496 scfh	75dBA @ 7m	1,719kg 3,378lbs	— SOUND ATTENUATED WEATHERPROOF ENCLOSURE WITH MOTORIZED DAMPERS & ACCESSORIES PER SPECIFICATIONS — REMOTE ANNUNCIATOR
<strong>NOTES:</strong> 1 PROVIDE GENERATOR AS OUTDOOR SET IN WEATHER ACOUSTIC ENCLOSURE WITH ALL ACCESSORIES AND NOTED AND PER SPECIFICATIONS. 2 PROVIDE SOUND DATA WITH GENERATOR SHOP DRAWINGS. SOUND DATA INDICATED APPLIES TO ACOUSTIC WEATHER ENCLOSURE PER SPECIFICATIONS. 3 GENERATOR BASIS OF DESIGN SHOWN AS A REFERENCE POINT FOR PROJECT GENERATOR SYSTEM STANDARDS. EQUAL MANUFACTURERS SHALL ENSURE THEIR PRODUCTS MEET OR EXCEED ALL CHARACTERISTICS AND PERFORMANCE OF THE BASIS OF DESIGN. EQUAL MANUFACTURERS ARE LISTED IN THE SPECIFICATION. ONLY APPROVED MANUFACTURERS SHALL BE INCLUDED IN BID. 4 GENERATOR TO BE MOUNTED ON CONCRETE PAD/HOUSEKEEPING PAD AS NOTED ON PLANS. COORDINATE FINAL CONCRETE PAD SIZING WITH GENERAL TRADES. PROVIDE SPRING ISOLATORS AND MOUNTING RAIL PER DETAIL AND SPECIFICATIONS. FASTEN GENERATOR SET TO CONCRETE PAD.																	

DISTRIBUTION RISER NOTES

- REFER TO SPECIFICATION FOR INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
- ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2)
- INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
- ALL LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
- ALL NOTED FEEDERS ARE FOR OVERHEAD RUNS OF CONDUIT. IF THE CONTRACTOR WISHES TO FEED UNDERGROUND, THE FEEDER MUST BE REVISED. THE CONTRACTOR IS TO PROPOSE REVISIONS TO THE CONSULTANT FOR PRE-APPROVAL.
- INDICATES EXTERIOR P-BASE METERING ENCLOSURE PROVIDED BY UTILITY AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXTERIOR PLACEMENT WITH BUILDING ELEVATIONS AND UTILITY.
- INDICATES JUNCTION BOX IN FEEDER TO EQUIPMENT, PANEL, ETC. FOR FUTURE MULTI-POINT SUB-METERING OF LOADS TYPES AS REQUIRED BY ASHRAE 90.1-2013. PROVIDE 27mm CONDUIT TO PROPOSED LOCATION OF FUTURE SUB-METERING PANEL FOR CURRENT TRANSFORMER LEADS.
- FEEDERS TO MAJOR MECHANICAL EQUIPMENT ONLY SHOWN ON DISTRIBUTION RISER. REFER TO EQUIPMENT WIRING SCHEDULE FOR REMAINDER OF MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
- INDICATES MINIMUM MOUNTING SPACE FOR FUTURE BRANCH DEVICES. INCLUDE MOUNTING HARDWARE.
- TO SOLAR EQUIPMENT DISCONNECT. CONDUIT BY THIS TRADE AND WIRING BY SOLAR INSTALLER IN GENERATOR ENCLOSURE AREA. REFER TO DRAWING E301.
- INDICATES MULTI-POLE 20A CONTACTOR C/W PILOT LIGHT PER SPECIFICATIONS CONTROLLING EXTERIOR BUILDING LIGHTING. INCLUDE TIME SWITCH AND PHOTOCCELL. REFER TO FLOOR PLANS FOR LOCATION AND CIRCUIT.
- INDICATES MAIN SWITCHBOARD BUS RATING, MAIN BREAKER FRAME AND FIXED TRIP, AS WELL AS BRANCH DEVICE CONNECTIONS RATED FOR PV CONNECTION OF 125KW IN ACCORDANCE WITH OESC 64-112B.

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55 Northland Road,  
Waterloo, ON, N2V 1Y8  
Phone: 519-725-3555  
Website: deiassociates.ca  
Project Number: 24050

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

DISTRIBUTION RISER  
DIAGRAM

DATE: 2025.07.09

SCALE: As Noted

DRAWN: KF

STATUS: TENDER

JOB NO.: 2411

DRAWING NO.:

E401

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
MAINS: 225A  
NEUTRAL BUS: FULL  
MOUNTING: SURFACE  
NOTES: SINGLE TUB

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
MAINS 225A  
NEUTRAL BUS: FULL  
MOUNTING: SURFACE  
NOTES: SINGLE TUB

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000A .  
PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH  
THE UPSTREAM BREAKER.

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
MAINS 225A  
NEUTRAL BUS: FULL  
MOUNTING: SURFACE  
NOTES:

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
MAINS 400A  
NEUTRAL BUS: FULL  
MOUNTING: SURFACE  
NOTES: DOUBLE TUB

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF \_\_\_\_\_ A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

BOILER B-1 (MECH RM)	15A	61		62	15A	BOILER PUMP BP-2
BOILER B-2 (MECH RM)	15A	63		64	2P	
BOILER B-3 (MECH RM)	15A	65		66	15A	PUMP P-3
BOILER PUMP BP-3	15A	67		68	15A	PUMP P-4
BOILER PUMP BP-4	15A	69		70	25A	MANIFOLD PUMP MP-1
BOILER PUMP BP-5	15A	71		72	25A	MANIFOLD PUMP MP-2
2 IN TRUCK DISPLAY BAY	15A	73		74	25A	MANIFOLD PUMP MP-3
-CP O/S OF MECH. RM.	15A	75		76	15A	MEZZ. MECH. AREA CO. DETECTOR
SPARE	20A	77		78	20A	SPARE
SPARE	20A	79		80	15A	SPARE
SPARE	15A	81		82	15A	SPARE
SPARE	15A	83		84	15A	SPARE
SPARE	15A	85		86	15A	SPARE
SPARE	15A	87		88	15A	SPARE
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
EXTERNAL SPD	30A	115		116	100A	PANEL 'N'
		117		118		
	3P	119		120	3P	

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Follow the drawings closely. If any construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the design conditions.

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Do not scale this drawing.

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2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
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4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

## PANEL SCHEDULES

DATE: 2025.07.09

SCALE: As Noted

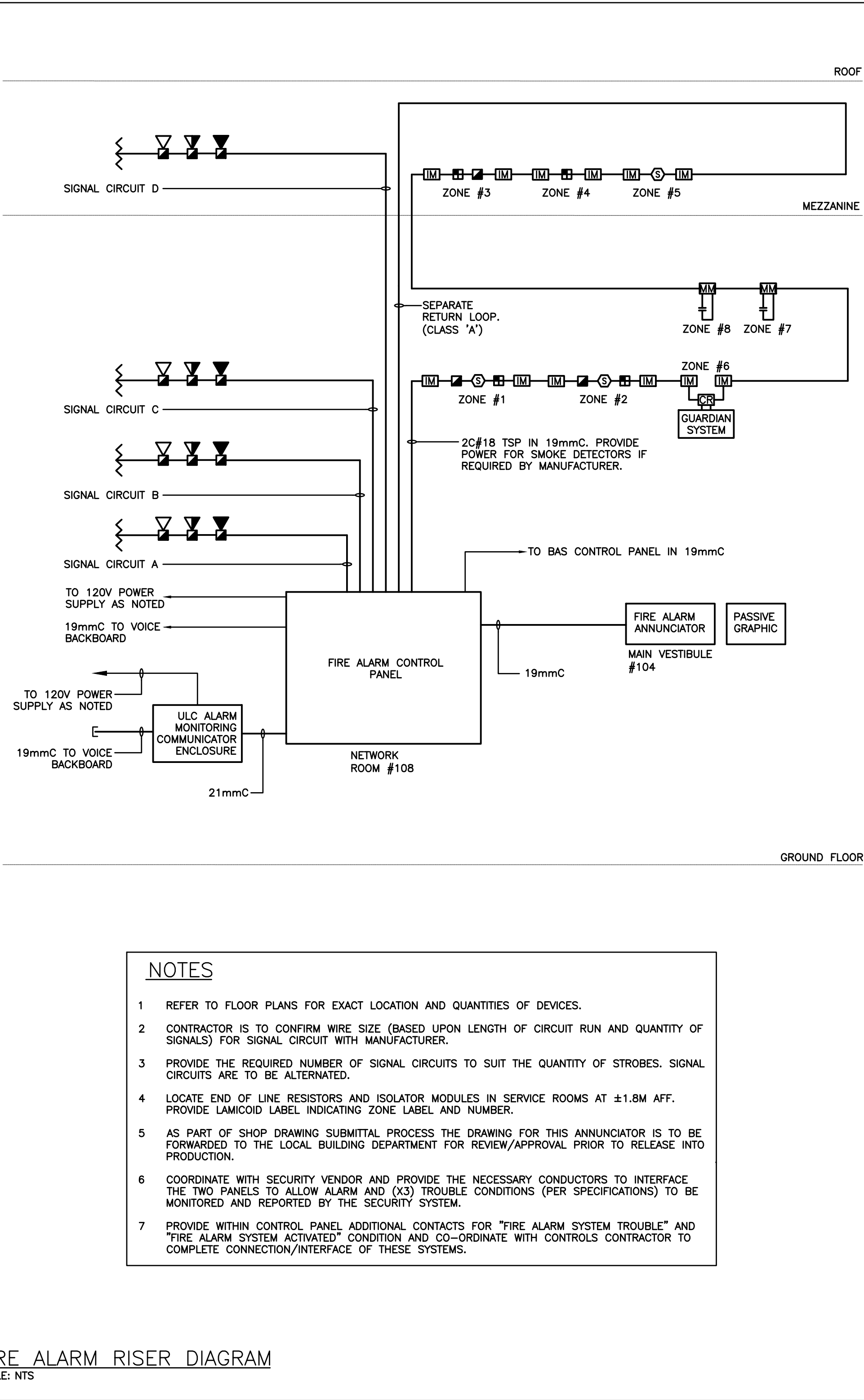
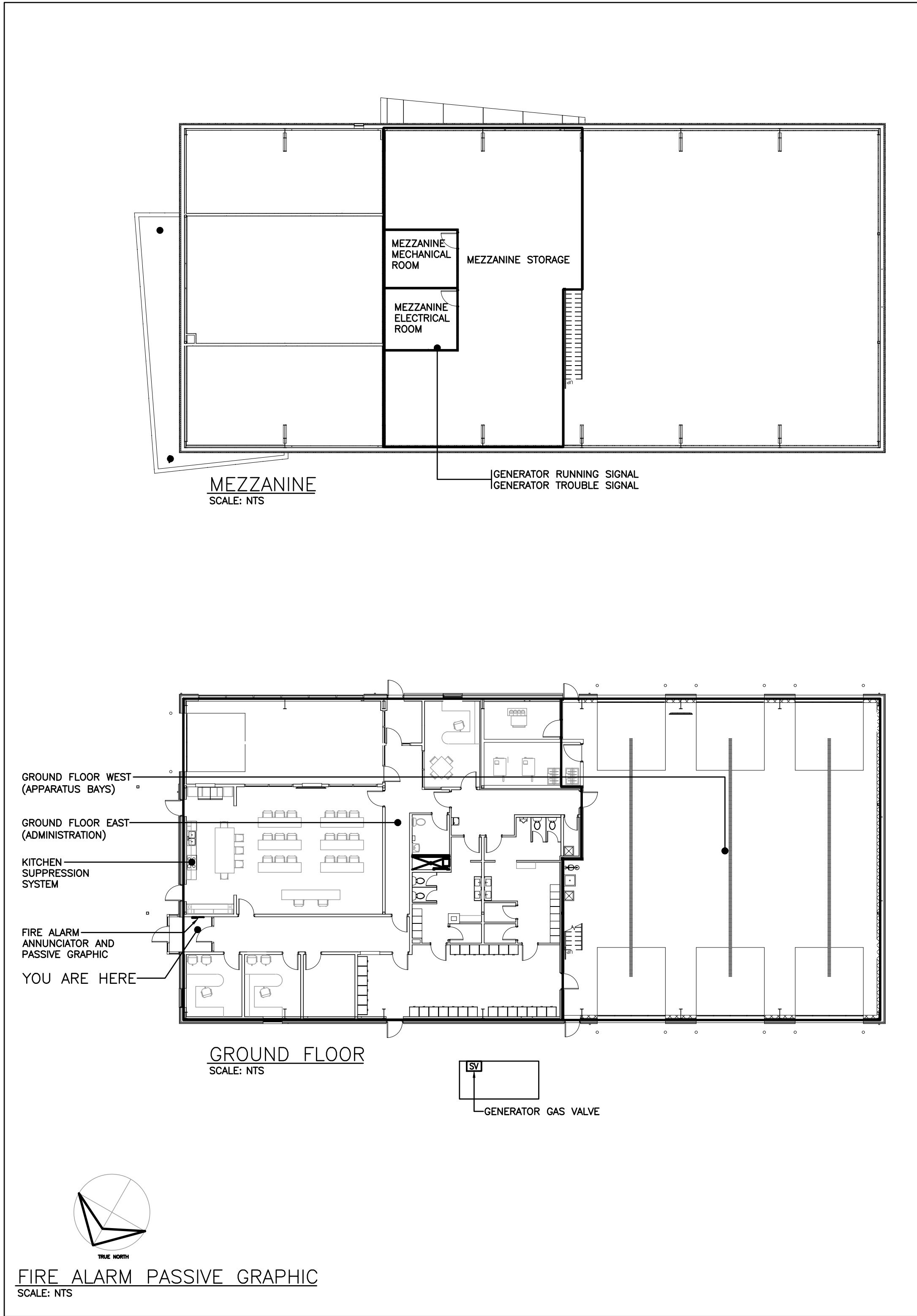
DRAWN: KE

STATUS: TENDER

JOB NO.: 2411

DRAWING NO.





FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory
1	GROUND FLOOR EAST (ADMINISTRATION)	●	
2	GROUND FLOOR WEST (APPARATUS BAYS)	●	
3	MEZZANINE STORAGE	●	
4	MEZZANINE MECHANICAL ROOM	●	
5	MEZZANINE ELECTRICAL ROOM	●	
6	KITCHEN SUPPRESSION SYSTEM	●	
7	GENERATOR RUNNING SIGNAL		●
8	GENERATOR TROUBLE SIGNAL		●
9	SPARE	●	
10	SPARE	●	
11	SPARE	●	
12	SPARE	●	
13	SPARE		●
14	SPARE		●
15	SPARE		●

FIRE ALARM SEQUENCE OF OPERATIONS

FIRE ALARM SEQUENCE OF OPERATION – SINGLE STAGE:  
THE FIRE ALARM SYSTEM SHALL BE A SINGLE STAGE SYSTEM CONSISTING OF CONTROL PANEL(S), REMOTE ANNUNCIATOR(S), NOTIFICATION DEVICES, ALARM INITIATING DEVICES, SUPERVISORY INITIATING DEVICES, AND ANCILLARY CONNECTIONS AS INDICATED ON ELECTRICAL DESIGN DRAWINGS AND SPECIFICATIONS.

ALARM ACTIVATION

1UPON ACTIVATION OF ANY ALARM INITIATING DEVICE (MANUAL STATION, HEAT DETECTOR, SMOKE DETECTOR, SUPPRESSION SYSTEM, ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM ALARM ACTIONS:  
AACTIVATE THE RESPECTIVE RED ALARM LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).  
B CAUSE ZONE OF ALARM INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).  
C ACTIVATE THE COMMON ALARM POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE ALARM CONDITION.  
D CAUSE THE ALARM AUDIBLE NOTIFICATION DEVICES TO SOUND A TEMPORAL 3 PATTERN THROUGHOUT THE BUILDING UNTIL SILENCED.  
E CAUSE THE VISUAL NOTIFICATION DEVICES TO ACTIVATE THROUGHOUT THE BUILDING UNTIL AUDIBLE ALARM IS SILENCED OR SYSTEM RESET.  
F LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

SUPERVISORY ACTIVATION

1OPERATION OF ANY SUPERVISORY INITIATING DEVICE (GENERATOR RUNNING OR TROUBLE CONTACT) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM SUPERVISORY ACTIONS:  
A CAUSE A SUPERVISORY ALARM TO LATCH INTO THE SYSTEM.  
B ACTIVATE THE RESPECTIVE YELLOW SUPERVISORY LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).  
C CAUSE ZONE OF SUPERVISORY INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).  
D ACTIVATE THE COMMON SUPERVISORY POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE SUPERVISORY CONDITION.  
E SOUND THE AUDIBLE CONTROL PANEL BUZZER.  
F LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

TROUBLE ACTIVATION

1OPERATION OF ANY SYSTEM OR DEVICE TROUBLE SIGNAL SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM TROUBLE ACTIONS:  
A CAUSE AN AUDIBLE AND VISUAL TROUBLE SIGNAL AT THE CONTROL PANEL(S) AND REMOTE TROUBLE INDICATOR(S).  
B ACTIVATE THE COMMON TROUBLE POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE TROUBLE CONDITION.  
C LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.  
D DESCRIBE THE NATURE OF THE TROUBLE ON THE CONTROL PANEL(S) LCD DISPLAY AND REMOTE ANNUNCIATOR PANEL(S). THE FOLLOWING SYSTEM AND DEVICE TROUBLE CONDITIONS SHALL BE MONITORED:  
I OPEN CIRCUIT FAULT IN THE FIELD WIRING OF AN ADDRESSABLE LOOP, ADDRESSABLE DETECTION, SIGNAL MODULE, OR A SHORT CIRCUIT ON AN ADDRESSABLE LOOP, CONVENTIONAL DETECTION OR SIGNAL CIRCUIT.  
II DISCONNECTION OR FAILURE OF THE STANDBY BATTERIES.  
III A GROUND FAULT CONDITION ON A LOOP OR SIGNAL CIRCUIT FIELD WIRE.  
IV FAILURE OF THE MAIN 120VAC POWER SUPPLIED TO THE PANEL.  
V REMOVAL OR MALFUNCTION OF ANY ADDRESSABLE FIELD DEVICE OR ANY SUPERVISED PANEL MODULE OR COMPONENT.  
VI FIRE/SMOKE DAMPER MONITOR MODULE SIGNAL FOR LOSS OF AC POWER TO DAMPER ASSEMBLY.

SYSTEM SILENCE

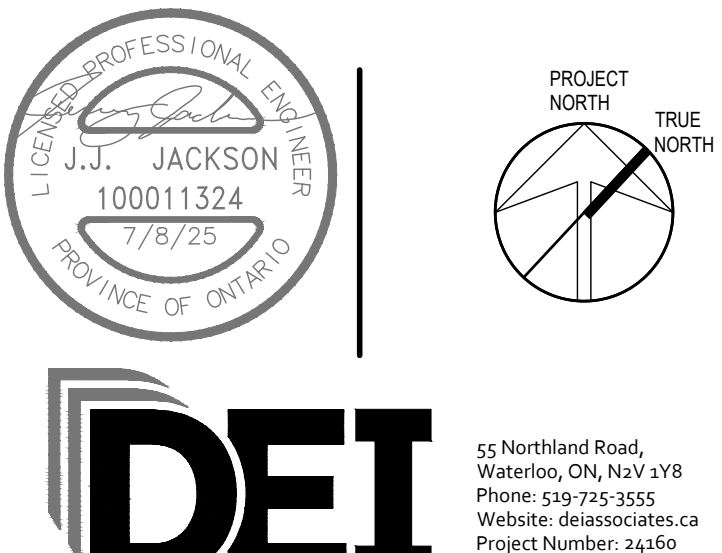
1THE AUDIBLE NOTIFICATION DEVICES SHALL CONTINUE TO SOUND DURING ALARM CONDITIONS UNTIL MANUALLY OR AUTOMATICALLY SILENCED. AUTOMATIC SILENCING SHALL NOT BE POSSIBLE DURING THE FIRST 5 MIN OF ALARM OPERATION.  
2THE CONTROL PANELS AND REMOTE BUZZERS SHALL BE SILENCED BY OPERATION OF THE PANELS ACKNOWLEDGE SWITCH.

SYSTEM RESET

1THE ALARM, SUPERVISORY AND TROUBLE CONDITIONS SHALL BE CLEARED ONLY UPON ACTIVATION OF THE FIRE ALARM CONTROL PANEL RESET SWITCH, AFTER THE DEVICE THAT INITIATED THE ALARM HAS BEEN CLEARED OR RESTORED.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.  
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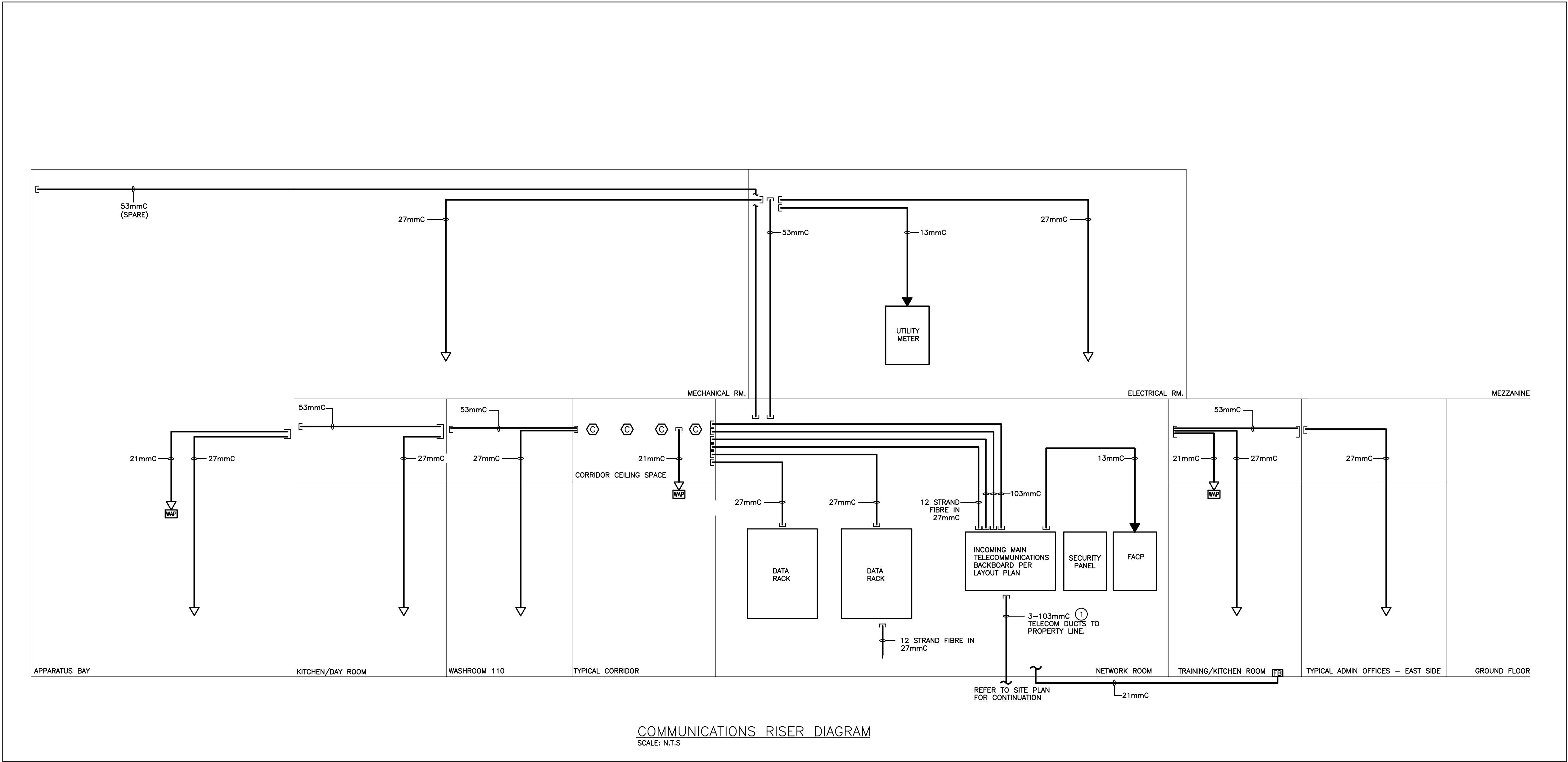
**DEI**  
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MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:  
**NORTH PARIS  
FIRE STATION**  
  
21 ANN WILSON WAY  
(SCOTT AVE)



COUNTY PROJECT NO.:  
**CPS-RFT-25-03**  
  
DRAWING TITLE:  
**FIRE ALARM GRAPHIC  
AND RISER DIAGRAM**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411  
  
DRAWING NO.:  
**E501**



SPECIFIC NOTES:

1. INDICATES INCOMING COMMUNICATION DUCTS FROM PROPERTY LINE. CONTRACTOR SHALL CONFIRM WHETHER THESE DUCTS BYPASS THE ELECTRICAL ROOM OR TERMINATE AT THE INCOMING TELECOM BACKBOARD PRIOR TO COMMENCEMENT OF WORK.

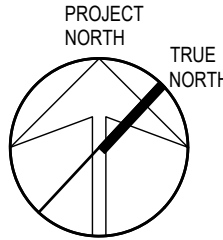
GENERAL NOTES

- RISER IS DIAGRAMMATIC ONLY. ALL CONDUITS, CABLE MANAGEMENT, COMMUNICATION DEVICES, POWER & GROUNDING TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES AND CONDUITS.
- ALL STRUCTURED CABLING TO BE INSTALLED IN CABLE MANAGEMENT HANGERS LOCATED IN CORRIDOR ACCESSIBLE CEILING BY COMMUNICATIONS CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT (MINIMUM SIZE 21mmC) FROM DATA DEVICES TO CABLE MANAGEMENT HANGERS LOCATED IN THE CORRIDOR CEILING SPACE UNLESS NOTED OTHERWISE AND AS DESCRIBED IN THE SPECIFICATION.
- CONTRACTOR TO PROVIDE FIRE STOPPING AT ALL PENETRATIONS THAT PASS THROUGH FIRE SEPARATIONS.
- READ THIS DRAWING IN CONJUNCTION WITH TELECOM SPECIFICATIONS.

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NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

TELECOMMUNICATIONS  
RISER DIAGRAM

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: KF  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

E601