

FIXTURE SCHEDULE									
NOTES:									
1. CONTRACTOR AND FIXTURE SUPPLIER ARE RESPONSIBLE TO PROVIDE ALL PLASTER AND FINISHING FRAMES, MOUNTING HARDWARE, AND ACCESSORIES TO SUIT ARCHITECTURAL CEILING SCHEDULE.									
2. CONTRACTOR TO PROVIDE DIMMING SWITCHES THAT ARE COMPATIBLE WITH THE SPECIFIED DIMMING DRIVERS.									
TYPE	DESCRIPTION	LAMPS	MTG	TYPE	DESCRIPTION	LAMPS	MTG		
SB	EXTERIOR POLE MOUNTED LED C/W DIE-CAST ALUMINUM HOUSING, IP66 RATED, TYPE IV DISTRIBUTION W/ BAKED COAT FINISH, DURABLE POLYESTER POWDER COAT BLACK PAINT FINISH, 3000K, 70CRI, 120V-277V & 0-10V DIMMING DRIVER.	14,148 LUMENS 108 WATTS	EXTERIOR POLE MOUNT	AA	2'x2' FLAT PANEL LED FIXTURE C/W EDGEKIT PLATFORM, ALUMINUM FRAME, SATIN WHITE LENS, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	2071 LUMENS LED 19W	RECESS IN T-BAR		
	GALN-SA2C-730-U-T4BC-BK OR APPROVED EQUIVALENT FROM LITHONIA - D-SERIES				LITONIA CAT. No. EPANL-2x2-2000LM-80CRI-3500K-MINI-ZT-MVOLT OR APPROVED EQUIVALENT FROM DAYBRITE - CFI FLUXPANEL METALUX - CQTX PANEL, AIMLITE - PBLV LITHONIA - CPX				
TA	1" (23.7MM) SQUARE RECESSED LED TRACK C/W ALUMINUM ALLOY HOUSING, WHITE FINISH, FROSTED FLAT LENS, 1/2" (12MM) WHITE RUGGED SILICONE INJECTED FLEX TAPE LIGHT, IP67 RATED, 120° BEAM ANGLE, 3000K, 85CRI, 24V AND DIMMABLE TRANSFORMER.	338 LUMENS PER FOOT AT 4.4W PER FOOT	UNDER CABINET	AB	2'x2' FLAT PANEL LED FIXTURE C/W EDGEKIT PLATFORM, ALUMINUM FRAME, SATIN WHITE LENS, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	3428 LUMENS LED 30W	RECESS IN T-BAR		
	LENGTH OF TRACK AND TAPE TO BE AS PER ARCHITECTURAL AND ELECTRICAL DRAWINGS. QUANTITY OF TRANSFORMERS TO BE DETERMINED WITH LENGTHS OF LIGHTING REQUIRED.				LITONIA CAT. No. EPANL-2x2-3400LM-80CRI-3500K-MINI-ZT-MVOLT OR APPROVED EQUIVALENT FROM DAYBRITE - CFI FLUXPANEL METALUX - CQTX PANEL, AIMLITE - PBLV LITHONIA - CPX				
UA	TRUCK-RECAI-2421-CST-WHT-FF (TRACK) FLEX-P-ULTRA-24VDC-WHT-3000K-85 (TAPE) PROVIDE 24VDC TRANSFORMER OR APPROVED EQUIVALENT FROM LUMINI - BASICS STRIP BA42 LLI - ICON 1			BA	1'x4' FLAT PANEL LED FIXTURE C/W EDGEKIT PLATFORM, ALUMINUM FRAME, SATIN WHITE LENS, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	1574 LUMENS LED 14W	RECESS IN T-BAR		
	ERALUX CAT. No. AE-00-ET7089-020-30-24-80-AS-B-MTJS OR APPROVED EQUIVALENT FROM HADCO - FLEXSCOPE B9 HYDREL - SAFI LED				LITONIA CAT. No. EPANL-1'x4-1500LM-80CRI-3500K-MINI-ZT-MVOLT OR APPROVED EQUIVALENT FROM DAYBRITE - CFI FLUXPANEL METALUX - CQTX PANEL, AIMLITE - PBLV LITHONIA - CPX				
VA	EXTERIOR GROUND MOUNTED FLAG POLE ACCENT LIGHTING C/W DIE-CAST ALUMINUM TILTABLE BASE, JUNCTION BOX WITH GROUND STAKE MOUNT, ANGLE SHROUD, IP65 RATED, 24" DISTRIBUTION, BLACK FINISH, 3000K, 80CRI, 120V-277V & 0-10V DIMMING DRIVER.	1272 LUMENS 20 WATTS	EXTERIOR GROUND SPIKE MOUNT	CA	4' LONG STRIP LED FIXTURE C/W COLD ROLLED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS, BAKED WHITE ENAMEL FINISH, SWITCHABLE LUMENS, FACTORY INSTALLED MOTION SENSOR, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	4360 LUMENS LED 30W	SURFACE MOUNTED		
	ERALUX CAT. No. AE-00-ET7089-020-30-24-80-AS-B-MTJS OR APPROVED EQUIVALENT FROM HADCO - FLEXSCOPE B9 HYDREL - SAFI LED				LITONIA CAT. No. CSS-148-AL03-MVOLT-35K-80CR-SFR7CSS OR APPROVED EQUIVALENT FROM DAYBRITE - CFI SDS METALUX - SNX, ERALUX - JOBBER				
VB	4" LONG LED MAXIMUM SECURITY CORNER MOUNT LUMINAIRE C/W ONE PIECE DIE FORMED, SEAM WELDED CLAMSHELL COVER, CONCEALED DROP SLOT HINDGE, FROSTED FLAT ACRYLIC LENS TAMPER RESISTANT STAINLESS STEEL SCREW FASTENERS, WHITE POWDERCOAT FINISH, LIGATURE RESISTANT, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER	6100 LUMENS LED 57W	SURFACE WALL CEILING CORNER	CB	4' LONG STRIP LED FIXTURE C/W COLD ROLLED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS, BAKED WHITE ENAMEL FINISH, SWITCHABLE LUMENS, CHAIN HANGER, WREGUARD, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	3432 LUMENS LED 23W	SUSPEND		
	KURTZON CAT. No. MX-CCSI-14CW-14CW-40-2-LEDR-835-UNV-125FA OR APPROVED EQUIVALENT FROM LEVITON - VRC-3524 COOPER - FCC LED PACO - PUMA				LITONIA CAT. No. CSS-148-AL03-MVOLT-35K-80CR-HC36M12-WGCCS OR APPROVED EQUIVALENT FROM DAYBRITE - CFI SDS METALUX - SNX, ERALUX - JOBBER HO				
WB	4" LONG LED MAXIMUM SECURITY CORNER MOUNT LUMINAIRE C/W ONE PIECE DIE FORMED, SEAM WELDED CLAMSHELL COVER, CONCEALED DROP SLOT HINDGE, FROSTED FLAT ACRYLIC LENS TAMPER RESISTANT STAINLESS STEEL SCREW FASTENERS, WHITE POWDERCOAT FINISH, LIGATURE RESISTANT, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER	9150 LUMENS LED 84W	SURFACE WALL CEILING CORNER	CC	4' LONG STRIP LED FIXTURE C/W COLD ROLLED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS, BAKED WHITE ENAMEL FINISH, SWITCHABLE LUMENS, ANGLE BRACKET, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	3432 LUMENS LED 23W	WALL MOUNTED IN ELEVATOR PIT		
	KURTZON CAT. No. MX-CCSI-14CW-14CW-40-3-LEDR-835-UNV-125FA OR APPROVED EQUIVALENT FROM LEVITON - VRC-3524 COOPER - FCC LED PACO - PUMA				LITONIA CAT. No. CSS-148-AL03-MVOLT-35K-80CR-CSSANGBRKTHW OR APPROVED EQUIVALENT FROM DAYBRITE - CFI SDS METALUX - SNX, ERALUX - JOBBER HO				
WA	7" WIDE EXTERIOR WALL PACK LED FIXTURE C/W DIE-CAST ALUMINUM HOUSING, IP66 RATED HOUSING, FINISHED WITH DURABLE POLYESTER POWDER COAT, TYPE II ROUND DISTRIBUTION, 3000K, 70CRI, 120V-277V AND 0-10V DIMMING DRIVER.	4912 LUMENS 39 WATTS	EXTERIOR WALL MOUNT	CD	2' LONG STRIP LED FIXTURE C/W COLD ROLLED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS, BAKED WHITE ENAMEL FINISH, SWITCHABLE LUMENS C/W FACTORY INSTALLED OCCUPANCY SENSOR, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	1510 LUMENS LED 11W	SURFACE MOUNTED		
	COOPER CAT. No. GKO-PBIE-730-U-T2R-BK OR APPROVED EQUIVALENT FROM GARDCO - GEOFORM LITHONIA - WDGE3 LED				LITONIA CAT. No. CSS-124-AL015-MVOLT-35K-80CR-PIR OR APPROVED EQUIVALENT FROM DAYBRITE - CFI SDS METALUX - SNX, ERALUX - JOBBER				
WB	7" WIDE EXTERIOR WALL PACK LED FIXTURE C/W DIE-CAST ALUMINUM HOUSING, IP66 RATED HOUSING, FINISHED WITH DURABLE POLYESTER POWDER COAT, TYPE IV WIDE DISTRIBUTION, 3000K, 70CRI, 120V-277V AND 0-10V DIMMING DRIVER.	3320 LUMENS 26 WATTS	EXTERIOR WALL MOUNT	DA	4" DIAMETER LED DOWNLIGHT C/W GALVANIZED STEEL MOUNTING FRAME, DIFFUSING OPTICAL LENS, ANODIZED REFLECTORS, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	1045 LUMENS LED 10.6W	RECESS IN T-BAR OR DRYWALL		
	COOPER CAT. No. GKO-PBID-730-U-T4W-BK OR APPROVED EQUIVALENT FROM GARDCO - GEOFORM LITHONIA - WDGE3 LED				LITONIA CAT. No. LDN4-35-10-104-MVOLT-G21 OR APPROVED EQUIVALENT FROM LIGHTLOUTER - MODULYTE COOPER - HALO, ERALUX - GALAXY				
XA	6" DIAMETER VANDAL RESISTANT DOWNLIGHT C/W STAINLESS STEEL BODY AND SPUN ALUMINUM HOUSING TAMPERPROOF FASTENERS, GASKETED, FROSTED POLYCARBONATE LENS, SPECULAR REFLECTOR, ANTIMICROBIAL WHITE POLYESTER POWDERCOAT FINISH, LIGATURE RESISTANT, 3500K, 90CRI, 120V AND 0-10V DIMMING DRIVER	1500 LUMENS LED 15W	RECESS DRYWALL	DB	4" DIAMETER LED DOWNLIGHT C/W GALVANIZED STEEL MOUNTING FRAME, DIFFUSING OPTICAL LENS, ANODIZED REFLECTORS, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	1512 LUMENS LED 17.5W	RECESS IN T-BAR OR DRYWALL		
	KURTZON CAT. No. MVL-PBD-4-8-DLM15-835-UNV-SR-WT-FPL OR APPROVED EQUIVALENT FROM LEVITON - BDL-6 COOPER - FLD6C PACO - MDA6				LITONIA CAT. No. LDN4-35-15-104-MVOLT-G21 OR APPROVED EQUIVALENT FROM LIGHTLOUTER - MODULYTE COOPER - HALO, ERALUX - GALAXY				
XB	6" DIAMETER VANDAL RESISTANT DOWNLIGHT C/W STAINLESS STEEL BODY AND SPUN ALUMINUM HOUSING TAMPERPROOF FASTENERS, GASKETED, FROSTED POLYCARBONATE LENS, SPECULAR REFLECTOR, ANTIMICROBIAL WHITE POLYESTER POWDERCOAT FINISH, LIGATURE RESISTANT, 3500K, 90CRI, 120V AND 0-10V DIMMING DRIVER	2000 LUMENS LED 20W	RECESS DRYWALL	FA	54" VAPOUR PROOF LED FIXTURE C/W UV STABILIZED INJECTION-MOLDED IMPACT RESISTANT HOUSING, IMPACT-RESISTANT FROSTED POLYCARBONATE LENS WITH COLLARED CELL GASKET, CAPTIVE TAMPER RESISTANCE POLYCARBONATE LATCHES, 3500K, 80CRI, 120V AND 0-10V DIMMING DRIVER.	3777 LUMENS LED 33W	SURFACE MOUNTED		
	KURTZON CAT. No. MVL-PBD-4-8-DLM20-835-UNV-SR-WT-FPL OR APPROVED EQUIVALENT FROM LEVITON - BDL-6 COOPER - FLD6C PACO - MDA6				LITONIA CAT. No. VAP-4000LM-FST-MD-MVOLT-G210-35K-80CRI OR APPROVED EQUIVALENT FROM LEVITON - LSVA METALUX - VT3, ERALUX - VADOR EVOLVE LITHONIA - CSVT				
YA	10mm x 13mm (HW) COMPACT LINEAR LED C/W OPAL DIFFUSER, RECESSED WITH TRIM MOUNTING ACCESSORIES, SPOT 25° OPTICS, BLACK HOUSING, BLACK ANTIGLARE, 3000K, 24V & DIMMABLE DRIVER.	288 LUMENS PER FOOT AT 1.8W PER FOOT	RECESSED IN RECEPT. MILLWORK	GA	2' LONG RECTANGULAR WASHROOM VANITY LIGHT C/W BRUSHED NICKEL HOUSING, EXTRUDED WHITE ACRYLIC DIFFUSER, 3000K, 90CRI, AND 120V.	1300 LUMENS LED 28W	SURFACE WALL ABOVE MIRROR OR BESIDE MIRROR		
	LENGTH OF LUMINAIRE TO BE VERIFIED USING ON SITE DIMENSIONS AND CONFIRMED BY CONTRACTOR PRIOR TO ORDER. QUANTITY OF TRANSFORMERS TO BE DETERMINED WITH LENGTHS OF LIGHTING REQUIRED.				LITONIA CAT. No. FMVTSL-24IN-MVOLT-30K-80CRI-BN OR APPROVED EQUIVALENT FROM NEXLED - LED VANITY LIGHT ERALUX - CLARA, DALIS - NOBLE ONE				
SA	LED LINEAR CAT. No. ULTIMA-S-6-W930-1905-B-B-25-MO-MG PROVIDE 24VDC TRANSFORMER OR APPROVED EQUIVALENT FROM LLI - SQUARE LOUVER EXTRUSION + LED TAPELIGHT			SA	EXTERIOR POLE MOUNTED LED C/W DIE-CAST ALUMINUM HOUSING, IP66 RATED, 30° SPILL LIGHT ELIMINATOR RIGHT, DURABLE POLYESTER POWDER COAT BLACK PAINT FINISH, INSTALLED HOUSE SIDE SHIELD, 3000K, 70CRI, 120-277V & 0-10V DIMMING DRIVER.	11,768 LUMENS 93 WATTS	EXTERIOR POLE MOUNT		
	GALN-SA3A-730-U-SLR-BK-HSS OR APPROVED EQUIVALENT FROM LITHONIA - D-SERIES								

LEGEND		
SYMBOL	DESCRIPTION	MTG HT @
	TELEPHONE OUTLET C/W 3/4" (19mm) CONDUIT TO ACCESSIBLE CORRIDOR CEILING SPACE OR CABLE TRAY	457 (18")
	DATA OUTLET C/W 3/4" (19mm) CONDUIT TO ACCESSIBLE CORRIDOR CEILING SPACE OR CABLE TRAY	457 (18")
	WIRELESS ACCESS POINT	AS NOTED
	LADDER CABLE BASKET	---
	FIRE ALARM HORN	(*)
	FIRE ALARM PULLSTATION	1200 (47")
	SYSTEM PANEL	---
	HEAT DETECTOR -- RATE OF RISE & FIXED TEMP	CEILING
	SMOKE DETECTOR	CEILING
	SMOKE ALARM	CEILING
	DUCT TYPE SMOKE DETECTOR	DUCT
	FIXED TEMPERATURE HEAT	CEILING
	SMOKE ALARM	CEILING
	FIRE ALARM STROBE LIGHT	(*)
	FLOW SWITCH	---
	PRESSURE SWITCH	---
	ELECTRICALLY SUPERVISED VALVE	---
	FIRE FIGHTER'S HANDSET	1473 (58")
	FIRE-DO-NOT-ENTER SIGN	---
	FIRE ALARM ZONE DEMARCATION	---
	FIRE ALARM ZONE	---
	END OF LINE	---
	CARD READER	---
	DOOR CONTACT	---
	ELECTRIC DOOR STRIKE	---
	KEY PAD	---
	MOTION DETECTOR	---
	REQUEST-TO-EXIT MONITOR SENSOR	---
	CELL CAMERA	---
	INTERVIEW CAMERA	---
	CLOSED CIRCUIT TELEVISION CAMERA	---
	DOOR SECURITY TAG	---
CL	CEILING MOUNTED	---
DW	DISHWASHER	---
ED	EXTRA DUTY	---
FR	FRIDGE	---
GF	GROUND FAULT INTERRUPTING	---
MW	MICROWAVE	---
OC	OVER COUNTER	---
PC	PHOTOCELL CONTROLLED	---
TC	TIME SWITCH CONTROLLED	---
UC	UNDER COUNTER	---
WP	WEATHER PROOF	---
VR	VANDAL RESISTANT	---
DC	DRYING CABINET	---
A/V	AUDIO/VISUAL	---
W	WASHER MACHINE	---
D	DRYER MACHINE	---
VM	VENDING MACHINE	---
CR	CHARGING RACK	---
DF	DRINKING FOUNTAIN	---
LV	LOW VOLTAGE	---
LSI	LONG-TIME, SHORT-TIME, INSTANTANEOUS	---
LSGI	LONG-TIME, SHORT-TIME, INSTANTANEOUS	---

EXIT LIGHT NOTES

1. EXIT LIGHTS SHALL BE SUITABLE FOR SURFACE, WALL, OR CEILING MOUNTING, 150mm (6") HIGH, GREEN/WHITE 'RUNNING MAN' DESIGN WITH APPROPRIATE DIRECTIONAL ARROW, EXTRUDED ALUMINUM HOUSING, I.E.D. ILLUMINATED, DISSIPATING NO MORE THAN 3 WATTS PER SINGLE OR DOUBLE FACED SIGN. 50,000 HOUR LIFE CONTINUOUS OPERATION.
2. REFER TO ELECTRICAL SPECIFICATIONS FOR LIST OF MANUFACTURERS.

EMERGENCY LIGHTING SCHEDULE			
ALL BATTERY UNITS SHALL HAVE CAPACITY OF [120] WATTS FOR [90] MINUTES. PROVIDE WIRE SIZE AND LINKS AS TO NOT EXCEED A 5% VOLTAGE DROP.			
UNIT No.	No. OF LAMPS (5W)	No. OF EXIT LIGHTS (3W)	TOTAL WATTS
1	2	*	10

LEGEND		
THIS LEGEND OF SYMBOLS REPRESENTS VANDERWESTEN RUTHERFORD ASSOCIATES INC. STANDARD/GENERIC LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.		
SYMBOL	DESCRIPTION	MTG HT @
	LIGHTING FIXTURE	AS NOTED
	WALL MOUNTED LIGHTING FIXTURE	AS NOTED
	TRACK LIGHTING WITH QUANTITY OF FIXTURES SHOWN	AS NOTED
	DOWNLIGHTING FIXTURE	AS NOTED
	DIRECTIONAL/AIMED LANDSCAPE LIGHTING FIXTURE	AS NOTED
	WALL MOUNTED LIGHTING FIXTURE	AS NOTED
	POLE MOUNTED LIGHTING FIXTURE	AS NOTED
	CROSS-HATCHED OR SHADED LIGHTING FIXTURE SHALL INDICATE CONNECTED TO EMERGENCY (ESSENTIAL) POWER	—
	15A, 125V SINGLE POLE SWITCH, \$ ₁ (TWO POLE), \$ ₂ (3-WAY), \$ ₃ (4-WAY), \$ ₄ (KEY OPERATED), \$ ₅ (DIMMER), \$ ₆ (C/W PILOT LIGHT), \$ ₇ (LOW VOLTAGE), \$ ₈ (TIMER), \$ ₉ (OCCUPANCY SENSOR SWITCH), \$ ₁₀ (SINGLE GANG), \$ ₁₁ (DOUBLE GANG), \$ ₁₂ (TRIPLE GANG), \$ ₁₃ (FOUR GANG), \$ ₁₄ (FIVE GANG), \$ ₁₅ (SIX GANG), a.b.c DESIGNATES SWITCHING	1100 (43")
	LOW VOLTAGE OCCUPANCY DUAL TECHNOLOGY SENSOR	CEILING
	LOW VOLTAGE OCCUPANCY DUAL TECHNOLOGY SENSOR	WALL OR CEILING
	INPUT MODULE	—
	LOW VOLTAGE PHOTO SENSOR	—
	SINGLE SIDED EXIT SIGN	AS NOTED
	DOUBLE SIDED EXIT SIGN	AS NOTED
	EXIT SIGN - DIRECTIONAL ARROW	—
	EXIT SIGN - DIRECTIONAL ARROW	—
	EMERGENCY LIGHTING BATTERY UNIT C/W RECEPTACLE	(*)
	DOUBLE HEAD REMOTE EMERGENCY LIGHT	(*)
	WALL MOUNT BRACKET	—
	15AMP 125VOLT U-GROUND DUPLEX RECEPTACLE	457 (18")
	20AMP 125VOLT U-GROUND T-SLOT DUPLEX RECEPTACLE	457 (18")
	15AMP 125VOLT U-GROUND SPLIT RECEPTACLE	457 (18")
	15AMP 125VOLT U-GROUND QUAD RECEPTACLE	457 (18")
	15AMP 125VOLT U-GROUND DUPLEX RECEPTACLE	FLOOR
	15AMP 125VOLT U-GROUND QUAD RECEPTACLE	FLOOR
	DIRECT CONNECTION (REFER TO DRAWINGS)	AS NOTED
	ELECTRICAL PANEL	TO TOP 1981 (78")
	MOTOR CONNECTION (SINGLE OR THREE PHASE)	—
	MOTOR/DISCONNECT CONNECTION (SINGLE OR THREE PHASE)	—
	DISCONNECT SWITCH	1270 (50")
	MOTORIZED DAMPER	—
	THERMOSTAT WALLBOX AND 3/4" CONDUIT WITH PULLWIRE TO ACCESSIBLE CEILING	1200 (47")
	JUNCTION BOX (REFER TO DRAWINGS)	—
	SINGLE PUSHBUTTON STATION	1040 (41")
	GARAGE DOOR CONTROL	—
	RELAY	AS NOTED
	DURESS ALARM	AS NOTED
	ROOM ALARM	AS NOTED
	SLD - BREAKER	—
	SLD - NORMAL OPEN SWITCH	—
	SLD - DISCONNECT SWITCH	—
	SLD - EMERGENCY GENERATOR	—
	SLD - TRANSFORMER WITH GROUND	—
	SLD - FUSED DISCONNECT SWITCH	—

SECURITY (DATA, VOICE AND TELEPHONE) SYSTEM NOTES

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO CARRY SECURITY SYSTEMS SUB-CONTRACTOR/VENDOR FOR THE COMMUNICATION SYSTEMS.
2. SECURITY CONTRACTOR TO PROVIDE SYSTEM HARDWARE, DEVICES, LOW VOLTAGE WIRING, INTEGRATION, AND COMMISSIONING FOR THE SECURITY SYSTEMS.
3. DIVISION 26 IS RESPONSIBLE FOR ROUGH-IN OF EQUIPMENT AND DEVICES AS OUTLINED ON THE DRAWINGS, 120V & DATA WIRING C/W RACEWAYS AND FOR COORDINATION/SCHEDULING OF THE SYSTEMS INSTALLATIONS.

AUDIO VISUAL (AV) NOTES

1. DIVISION 26 IS RESPONSIBLE FOR ROUGH-IN OF EQUIPMENT AND DEVICES AS OUTLINED ON THE DRAWINGS, 120V & DATA WIRING C/W RACEWAYS AND FOR COORDINATION/SCHEDULING OF THE SYSTEMS INSTALLATIONS.

<u>ELECTRICAL DRAWING LIST</u>	
E0.1	DRAWING LIST, LEGEND, SCHEDULES AND NOTES
E0.2	MECHANICAL EQUIPMENT AND LIGHTING CONTROL SCHEDULES
E0.3	ELECTRICAL SITE PLAN AND DETAILS
E1.0	LEVEL 1 LIGHTING
E1.1	LEVEL 2 LIGHTING
E2.0	LEVEL 1 POWER AND COMMUNICATION SYSTEM
E2.1	LEVEL 2 POWER AND COMMUNICATION SYSTEM
E2.2	ROOF PLAN POWER AND SYSTEMS
E3.0	LEVEL 1 SYSTEMS
E3.1	LEVEL 2 SYSTEMS
E4.0	ELECTRICAL DETAILS
E4.1	FIRE ALARM RISER DIAGRAM AND SCHEDULE
E4.2	ELECTRICAL DOOR ELEVATION DETAILS
E5.0	SINGLE LINE DIAGRAM
E5.1	PANEL SCHEDULES

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE INSPECTIONS.
2. PRIOR TO INSTALLATION OF BOXES IN WALLS, VERIFY THAT NO INTERFERENCES EXIST. CHECK ARCHITECTURAL PLANS AND ELEVATIONS.
3. MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING FIXTURES, ETC.
4. WORK IN CONJUNCTION WITH ARCHITECTURAL REFLECTED CEILING PLAN WHEN LOCATING LIGHT FIXTURES.
5. REVIEW ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
6. POWER AND CONTROL WIRING MUST RISE TO ROOFTOP EQUIPMENT WITHIN CURB OF UNIT UNLESS OTHERWISE APPROVED BY CONSULTANT. CONFIRM EXACT LOCATION ON SITE WITH CONSULTANT BEFORE INSTALLATION.
7. ALL FIRE ALARM DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE ONTARIO BUILDING CODE (OBC), CANADIAN ELECTRICAL CODE (CEC, CSA C22.1), UL524-S524, AND ALL GOVERNING AUTHORITIES HAVING JURISDICTION (AHJ). INSTALLATION HEIGHTS AND DEVICE LOCATIONS SHALL BE VERIFIED AND COORDINATED WITH THE AHJ AND LOCAL FIRE AUTHORITIES PRIOR TO INSTALLATION. ANY DEVIATIONS FROM THE APPROVED DESIGN DOCUMENTS OR APPLICABLE CODES AND STANDARDS SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW AND APPROVAL BEFORE IMPLEMENTATION.

INTERCOM SYSTEM NOTES

1. DIVISON 26 IS RESPONSIBLE FOR ROUGH-IN OF EQUIPMENT AND DEVICES AS OUTLINED ON THE DRAWINGS, 120V & DATA WIRING C/W RACEWAYS AND FOR COORDINATION/SCHEDULING OF THE SYSTEMS INSTALLATIONS.

DOOR AND DURESS ALARM SYSTEMS

1. DIVISION 26 IS RESPONSIBLE FOR ROUGH-IN OF EQUIPMENT AND DEVICES AS OUTLINED ON THE DRAWINGS, 120V & DATA WIRING C/W RACEWAYS AND FOR COORDINATION/SCHEDULING OF THE SYSTEMS INSTALLATIONS.

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NOTES:

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CLIENT
TOWN OF HANOVER

PROJECT:

HANOVER POLICE STATION

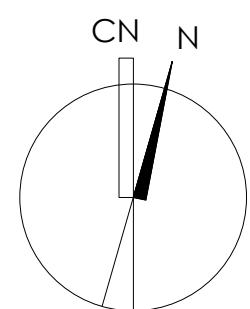
2026.01.14

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

KEY TO DETAIL LOCATION:

	A - DETAIL NO.
	B - SHEET NO. ORIGIN

ARCHITECTS
HE VENTIN GROUP LTD


$$+>$$


E0.1

Plot Date:

DRAWN BY: EMP

Checked by :AE

MECHANICAL EQUIPMENT SCHEDULE													
EQUIPMENT	DESCRIPTION	LOCATION	ELECTRICAL							FEEDER	PANEL	DISC AT UNIT	REMARKS
			VOLT	PH	HP	KW	FLA	MCA	MOCP				
AIR CONDITIONING UNITS													
AC-1	AIR CONDITIONER UNIT (INDOOR)	ELECTRICAL 122 & IT ROOM 209	208	1	-	-	-	17	30	2#10+2#12G-3/4"C.	-	DISC.	INDOOR UNIT POWERED BY OUTDOOR UNIT
CJ-1	CONDENSER UNIT (OUTDOOR)	LEVEL 2 ROOF & LEVEL 1 ROOF	208	1	-	-	-	29.4	40	2#8+2#10G-3/4"C.	-	DISC.	INDOOR UNIT POWERED BY OUTDOOR UNIT
FAN COIL UNITS													
FC-1	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	1.75	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-2	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	2.13	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-3	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	2.88	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-4	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	2.94	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-5	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	2.88	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-6	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	2.88	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
FC-7	VRF FAN COIL UNIT	SEE FLOOR PLANS	208	1	-	-	-	4.25	15	2#12+2#14G-3/4"C.	-	DISC.	CONDENSATE PUMP TO BE POWERED FROM INDOOR FAN COIL UNIT.
CABINET UNIT HEATERS													
CUH-1	CABINET UNIT HEATER	SEE FLOOR PLANS	120	1	1/25	-	-	0.85	15	2#12+2#14G-3/4"C.	-	DISC.	-
CUH-2	CABINET UNIT HEATER	SEE FLOOR PLANS	120	1	1/10	-	-	1.7	15	2#12+2#14G-3/4"C.	-	DISC.	-
FORCED CONVECTION RADIATORS													
FCR-1	FORCED CONVECTION RADIATOR	SEE FLOOR PLANS	120	1	1/60	-	-	0.72	15	2#12+2#14G-3/4"C.	-	DISC.	-
HOT WATER HEATERS													
CP-1	HOT WATER HEATING	BOILER ROOM 120	208	3	3/4	0.56	-	-	15	3#12+2#14G-3/4"C.	-	VFD	-
BP-1	BOILER PRIMARY	BOILER ROOM 120	120	1	1/6	0.12	-	-	15	2#12+2#14G-3/4"C.	-	DISC.	-
B-1	HOT WATER BOILER	BOILER ROOM 120	120	1	-	-	-	-	-	-	DISC.	-	-
DWH-1	DOMESTIC WATER HEATER	JANITOR STORAGE 116	120	1	-	-	-	5	15	2#12+2#14G-3/4"C.	-	-	-
EXHAUST FANS													
EF-1A	EXHAUST FAN	W/R 103	120	1	-	-	0.19	0.2	15	2#12+2#14G-3/4"C.	-	DISC.	-
EF-1B	EXHAUST FAN	W/R 103	120	1	-	-	0.19	0.2	15	2#12+2#14G-3/4"C.	-	DISC.	-
EF-2	EXHAUST FAN	POLICE GARAGE 19 IMPOUND BAY 121	208	3	1/2	-	2.4	3	15	3#12+2#14G-3/4"C.	-	VFD	-
EF-3	EXHAUST FAN	SALLY PORT 132	208	3	1/2	-	3.5	3	15	3#12+2#14G-3/4"C.	-	VFD	-
EF-4A	EXHAUST FAN	STORAGE 202 & 218	120	1	-	-	0.19	0.2	15	2#12+2#14G-3/4"C.	-	DISC.	-
EF-4B	EXHAUST FAN	STORAGE 202 & 218	120	1	-	-	0.19	0.2	15	2#12+2#14G-3/4"C.	-	DISC.	-
HORIZONTAL UNIT HEATER													
HUH-2	HORIZONTAL UNIT HEATER	SEE FLOOR PLANS	120	1	1/6	-	2.15	-	15	2#12+2#14G-3/4"C.	-	DISC.	-
HUH-3	HORIZONTAL UNIT HEATER	SEE FLOOR PLANS	120	1	1/12	-	4.0	-	15	2#12+2#14G-3/4"C.	-	DISC.	-
DEDICATED OUTDOOR AIR SYSTEM													
DOAS-1	ROOF MOUNTED DEDICATED OUTDOOR AIR SYSTEM	ROOF	208	3	-	-	-	65.1	90	3#3+2#8G-1-1/4"C.	-	DISC.	PROVIDE SERVICE RECEPTACLE IN UNIT BY DIVISION 26
ELECTRIC DUCT HEATER													
EDH-1	ELECTRIC DUCT HEATER	SEE FLOOR PLANS	120	1	-	1.5	12.5	-	20	2#12+2#14G-3/4"C.	-	DISC.	-
BRANCH CONTROLLERS													
BC-1	BRANCH CONTROLLERS	SEE FLOOR PLANS	208	1	-	-	-	0.13	15	2#12+2#14G-3/4"C.	-	DISC.	PROVIDE SERVICE RECEPTACLE IN UNIT BY DIVISION 26
BC-2	BRANCH CONTROLLERS	SEE FLOOR PLANS	208	1	-	-	-	0.13	15	2#12+2#14G-3/4"C.	-	DISC.	PROVIDE SERVICE RECEPTACLE IN UNIT BY DIVISION 26
HEAT PUMPS													
HP-1	HEAT PUMPS	SEE FLOOR PLANS	208	3	-	-	-	63	100	3#3+2#8G-1-1/4"C.	-	DISC.	-
HP-2	HEAT PUMPS	SEE FLOOR PLANS	208	3	-	-	-	63	100	3#3+2#8G-1-1/4"C.	-	DISC.	-

LIGHTING CONTROL SCHEDULE

SPACE TYPE AND (ROOM NUMBER)	MANUAL ON (WALL SWITCH)	MANUAL OFF (WALL SWITCH)	DIMMABLE (WALL SWITCH)	MULTI-ZONE SWITCH	PHOTO CELL ON (EXTERIOR)	TIMELOCK OFF (EXTERIOR)	SEPARATE NIGHTTIME MODE	OCCUPANCY (AUTO ON)	VACANCY (AUTO OFF)	PHOTO SENSOR DIMMING	SEQUENCE OF OPERATION REFERENCE
EVIDENCE (114), JANITOR & STORAGE (116), STORAGE (126), PHONE BOOTH (127), STORAGE (202), QM STORAGE (210), RECORDS (211), STORAGE (220B)	X	X						X	X		S01
WASHROOM (103), UNIVERSAL WASHROOM (118), PUBLIC W/R (133), UNIV W/R (214)	X	X						X	X		S01
POLICE GARAGE (119), IMPOUND BAY (121), SALLY PORT (132)	X	X						X	X		S01
WATER ENTRY (100), BOILER (120), ELECTRICAL ROOM (122), IT ROOM (209)	X	X									S02
ELEVATOR (142+225)	X	X									S02
VESTIBULE (101), PUBLIC LOBBY (102), COURT (105), VEST. (134), CORRIDOR (135+136), PUBLIC CORRIDOR (140), VEST. (141), WAITING AREA (203), CLOSET (215), WOMEN'S CHANGE ROOM (217), STG. (218), MEN'S CHANGE ROOM (219), CORRIDOR (221+222+223), CIRCULATION (224)								X	X		S03
STAIR 1 (S11+S12), STAIR 2 (S21+S22)								X	X		S03
PROB. (104), INTERVIEW (106), ADMIN. (108), MULTI-PURPOSE OFFICE (109), EQUIP/DUTY BAGS (110), WORK AREA (111), SGT. OFFICE (112), SOCO (113), MONITOR (117), BOOKING (123), INTERVIEW (124), BREATH/INTERVIEW (125), CORRIDOR (137+138), CIRCUL. (139), TRAINING/BRIEFING (201), ADMIN. AREA (204), CHIEF (206), DEPUTY CHIEF (207), DETEC. (208), SOFT INT. (212), M.H.R.T. (213), LUNCH ROOM (216), FITNESS (220A)	X	X	X					X	X		S04
FRONT DESK (107), USE OF FORCE (115), CELL 1 (131A), CELL 2 (130), CELL 3 (129A), CELL 4 (128A)	X	X	X								S05
EXTERIOR SITE, PARKING LOT AND BUILDING					X	X					S06

LIGHTING CONTROL NOTES:

1. WHERE DIMMABLE CONTROL IS SPECIFIED ALL CONTROL ZONES WITHIN THE SPACE SHALL BE INDIVIDUALLY DIMMABLE. REFERENCE LAYOUT DRAWINGS TO IDENTIFY CONTROL ZONE AND SWITCH LOCATIONS FOR EACH SPACE.
2. REFER TO LIGHTING DRAWINGS FOR PROPOSED CONTROL DEVICE LAYOUTS. DEVICE LAYOUT IS NOT INTENDED TO BE COMPREHENSIVE, IT IS THE RESPONSIBILITY OF THE LIGHTING CONTROL SUPPLIER TO PROVIDE SYSTEM HARDWARE NECESSARY TO IMPLEMENT THE SPECIFIED SEQUENCE OF OPERATION. IT IS ALSO THE RESPONSIBILITY OF THE LIGHTING CONTROL SUPPLIER AND THE SYSTEM COMMISSIONER TO COMMISSION THE LIGHTING CONTROL SYSTEM IN THE PRESENCE OF THE MANUFACTURER.
3. CONTROL MODULES TO BE MOUNTED ABOVE ACCESSIBLE CEILING SPACES OR WALL MOUNTED WITHIN SERVICE OR STORAGE ROOMS.

LIGHTING CONTROL SEQUENCES OF OPERATION

S01 – LIGHTING CONTROL SEQUENCE OF OPERATION		S04 – LIGHTING CONTROL SEQUENCE OF OPERATION	
STEP	DESCRIPTION	STEP	DESCRIPTION
1	OCCUPANT ENTERS THE ROOM.	1	OCCUPANT ENTERS THE ROOM.
2	LUMINAIRES TURN ON AUTOMATICALLY	2	LUMINAIRES TURN ON AUTOMATICALLY
3	LUMINAIRES CAN BE TURNED OFF MANUALLY.	3	LUMINAIRES CAN BE ADJUSTED MANUALLY TO DESIRED ILLUMINATION LEVELS REQUIRED.
4	IF LUMINAIRES ARE NOT TURNED OFF MANUALLY AFTER 15 MINUTES OF NO OCCUPANCY LUMINAIRES WILL TURN OFF.	4	IF LUMINAIRES ARE NOT TURNED OFF MANUALLY AFTER 15 MINUTES OF NO OCCUPANCY LUMINAIRES WILL TURN OFF.

S02 – LIGHTING CONTROL SEQUENCE OF OPERATION		S05 – LIGHTING CONTROL SEQUENCE OF OPERATION	
STEP	DESCRIPTION	STEP	DESCRIPTION
1	LUMINAIRES ARE TURNED ON MANUALLY.	1	LUMINAIRES ARE TURNED ON MANUALLY.
2	LUMINAIRES ARE TURNED OFF MANUALLY.	2	LUMINAIRES CAN BE ADJUSTED MANUALLY TO DESIRED ILLUMINATION LEVELS REQUIRED.
		3	LUMINAIRES ARE TURNED OFF MANUALLY.

S03 – LIGHTING CONTROL SEQUENCE OF OPERATION		S06 – LIGHTING CONTROL SEQUENCE OF OPERATION	
STEP	DESCRIPTION	STEP	DESCRIPTION
1	OCCUPANT ENTERS THE ROOM.	1	EXTERIOR LUMINAIRES ARE TURNED ON BY PHOTOCELL.
2	LUMINAIRES ARE TURNED ON AUTOMATICALLY.	2	LUMINAIRES ARE TURNED OFF BY TIMECLOCK OR BAS.
3	AFTER 15 MINUTES OF NO OCCUPANCY LUMINAIRES TURN OFF.	3	TIME OFF CAN BE ADJUSTED BY TIMECLOCK OR BAS.

LIGHTING SEQUENCE OF OPERATION NOTES:

1. UNLESS OTHERWISE EXPRESSLY NOTED WITHIN THE SEQUENCE OF OPERATION, THE OPERATION OF MANUAL ON/OFF SWITCHES AND DIMMER SWITCHES SHALL OVERRIDE THE SEQUENCE OF OPERATION UNTIL NO MOTION IS DETECTED FOR THE DURATION OF THE SEQUENCE'S VACANCY DELAY. UPON EXPIRATION OF THE SEQUENCE'S VACANCY DELAY, THE SEQUENCE WILL RESUME NORMAL OPERATION AT DEFAULT VALUES.
2. THE SEQUENCES OF OPERATION SHALL BE EXPLICITLY EXPRESSED IN WRITING ON THE SHOP DRAWING SUBMITTAL AND CLOSE-OUT PACKAGES PROVIDED BY THE SUCCESSFUL LIGHTING CONTROL INTEGRATOR. WRITTEN CONFIRMATION OF COMMISSIONING AND OWNER ACCEPTANCE OF THE SEQUENCES OF OPERATION SHALL BE PROVIDED TO THE CONSULTANT BY THE SUCCESSFUL LIGHTING CONTROL INTEGRATOR. THE CONSULTANT, OF THE CLOSE-OUT PACKAGE OR SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT (THE LATTER OF THE TWO WILL TAKE PRECEDENT) THE OWNER SHALL HAVE 30 DAYS TO REQUEST PROGRAMMING CHANGES TO ANY LIGHTING CONTROL SYSTEM VARIABLES (E.G., VACANCY DELAYS, VACANCY DELAY SCALES, DIMMING LEVELS, DEFAULT DIMMING LEVELS, VACANCY DELAYS, ETC.). THIS CHANGES WILL BE MADE AT NO ADDITIONAL COST BY THE LIGHTING INTEGRATOR.

REVISIONS

NO.	DATE	PARTICULAR
1	04/03/26	ISSUED FOR HYDRO COORD.
2	01/04/26	ISSUED FOR PROGRESS
3	17/04/26	ISSUED FOR PROGRESS
4	03/07/26	ISSUED FOR OWNER CD REVIEW
5	31/07/26	ISSUED FOR PROGRESS
6	13/08/26	ISSUED FOR TENDER

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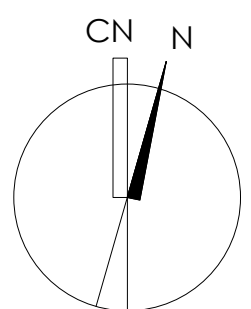
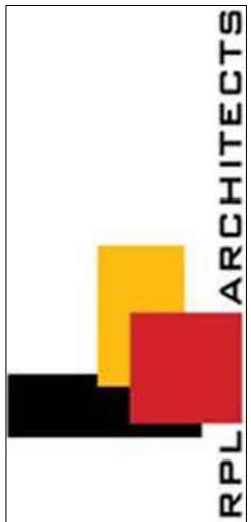
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MECHANICAL EQUIPMENT AND LIGHTING CONTROL SCHEDULES

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1. USE PVC SHOP MANUFACTURED DUCT SPACERS AT 914mm(36" INTERVALS) TO MAINTAIN DUCT ALIGNMENT.
2. PROVIDE 10M REINFORCEMENT RODS IN ALL CONCRETE DUCT BANKS. HORIZONTAL CROSS TIES TO BE SPACED 914mm(36" APART).
3. SLOPE DUCTS MIN. 75mm(3") PER 30m(100') AND AWAY FROM BUILDINGS
4. BACKFILL WITH MATERIAL AS SPECIFIED.
5. REFER TO SPECIFICATIONS FOR METHODS OF COMPACTION
6. USE ONLY LONG SWEEP BENDS.
7. PROVIDE 6mm(1/4") PULL RODS IN EACH EMPTY DUCT.
8. CONCRETE ENVELOPE TO CONTAIN MAXIMUM 13mm(1/2") DIA AGGREGATE WITH A MINIMUM 3000 PSI COMPRESSION RATING AFTER 28 DAYS.
9. ALL DUCT JOINTS ARE TO BE WATERTIGHT AND STAGGERED AT LEAST 200mm(8").



1. ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION OF POLE BASE WITH GENERAL TRADES SUCH THAT CONDUITS, GROUND ROD AND ANCHORAGE ARE IN PLACE READY FOR POUR. REFER TO MANUFACTURER'S BASE TEMPLATE FOR PROPER ORIENTATION OF POLES.
2. DEPTH OF BASE TO BE DETERMINED BY STRUCTURAL ENGINE. PROVIDE STAMPED STRUCTURAL DRAWINGS DETERMINING THIS DEPTH.

4 CONCRETE BASE DETAIL FOR
E0.3 POLE LIGHTING NOT TO SCALE

NOT TO SCALE

1. ALL PROPOSED ROUTING OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT ROUTING ON SITE WITH UNDERGROUND CIVIL SERVICES, LANDSCAPING, LOCAL UTILITY AUTHORITY AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. ALL PROPOSED ROUTINGS TO BE MARKED ON SITE AND COORDINATED WITH ELECTRICAL FIELD INSPECTOR PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL COMPLETE LOCATED OF ALL EXISTING AND PREVIOUSLY INSTALLED UNDERGROUND INFRASTRUCTURE PRIOR TO COMMENCING WORK.
3. COORDINATE TIMING OF INSTALLATIONS WITH LOCAL UTILITIES, OWNER AND OTHER TRADES.
4. COORDINATE WITH UTILITY SUPPLIED TO OBTAIN TEMPORARY POWER FOR CONSTRUCTION. PROVIDE UTILITY POLES AS REQUIRED. PAY ALL FEES FOR TEMPORARY SERVICE AND SIZE TO SUIT REQUIREMENTS. A TEMPORARY GENERATOR SHALL NOT BE USED IN LIEU OF TEMPORARY POWER FROM UTILITY. COORDINATE LOCATION AND EXTENT OF CONSTRUCTION POWER WITH THE CONSTRUCTION MANAGER.

WESTARIO POWER (UTILITY) WILL PROVIDE THE FOLLOWING WORK. COST WILL BE PART OF THE ALLOWANCE FOR UTILITY WORKS:

- H1 SUPPLY AND INSTALLATION OF THE PRIMARY CONDUCTORS.
- H2 SUPPLY AND INSTALLATION OF 208V 3 PHASE PAD MOUNTED TRANSFORMER.
- H3 PROVIDE METER AND INSTALLATION OF METER.
- H4 TERMINATION OF PRIMARY CABLES.

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

- C1 SUPPLY AND INSTALLATION OF THE SECONDARY DUT BANK. C/E CONDUCTORS FROM PAD MOUNTED TRANSFORMER TO MAIN SWITCHBOARD.
- C2 TERMINATION OF SECONDARY CONDUCTORS TO THE PAD MOUNTED TRANSFORMER.
- C3 SUPPLY AND INSTALLATION OF METER CABINET C/W TELEPHONE OUTLET AND 120V 15A GF receptacle TO SUIT UTILITY REQUIREMENT.
- C4 MAIN SERVICE GROUND AT MAIN SWITCHBOARD PER OESC. PROVIDE COORDINATION STUDY PER SPECIFICATIONS.
- C5 ALL WORK SHALL MEET UTILITY REQUIREMENTS AND INSPECTION. ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY PRIOR TO PROCEEDING.
- C6 PROVIDE COMPARTMENT WITHIN MAIN SWITCHBOARD TO ALLOW FOR MOUNTING UTILITY INSTRUMENTATION CTS.
- C7 CONTRACTOR SHALL PROVIDE METER BASE FOR CONNECTION BY UTILITIES.
- C8 SUPPLY AND INSTALLATION OF PAD FOR TRANSFORMER, GROUNDING AND SUPPLY LUGS FOR PRIMARY AND SECONDARY CONDUCTORS.

- ① PROVIDE THREE 21mm (3/4") x 3050mm (10') COPPER CLAD GROUND RODS SPACED 4300mm (14') APART, COMPLETE WITH #3/0 BARE COPPER GROUND WIRE TO ELECTRICAL ROOM GROUNDING BUS.
- ② COORDINATE DUCT CONFIGURATION WITH INCOMING UTILITY SERVICES. COORDINATE PATH AND DEPTH OF DUCTBANK ON SITE TO AVOID CONFLICT WITH OTHER SERVICES.
- ③ COORDINATE WITH LOCAL TELECOMMUNICATIONS UTILITIES FOR SCHEDULING OF REQUIRED SERVICES. COMMUNICATIONS SERVICE CONDUIT TO PROPERTY LINE. FOLLOW SLOPE OF EXISTING UTILITY LOCATIONS TO ROOM. SEE SITE PLAN AND DETAILS ON E0.3 FOR SIZES AND DETAILS OF UNDERGROUND DUCTS.
- ④ REFER TO MOUNTING DETAIL ON SHEET E4.0 FOR INSTALLATION REQUIREMENTS.
- ⑤ PROVIDE CONNECTION FOR FIRE ALARM COMMUNICATION SIGNALING BETWEEN THE EXISTING FIRE ALARM CONTROL PANEL, LOCATED IN THE HANOVER CIVIC THEATRE AND THE NEW FIRE ALARM CONTROL PANEL LOCATED IN ELECTRICAL ROOM 122. PROVIDE ALL REQUIRED INTERFACE MODULES, WIRING, CONNECTIONS, AND ACCESSORIES TO ESTABLISH A COMPLETE AND FUNCTIONAL COMMUNICATION. COORDINATION OF CONNECTIONS, COORDINATE THE CONNECTION METHOD AND SYSTEM COMPATIBILITY WITH THE FIRE ALARM MANUFACTURER AND FIRE ALARM CONTRACTOR. PROVIDE 2" EMT CONDUIT FOR THE FIRE ALARM SIGNALATION CARRYING SIGNALS TO THE CONTROL ROOM. VERIFY ROUTING SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- ⑥ CONFIRM EXACT LOCATION OF GATE CONTROLLER WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.



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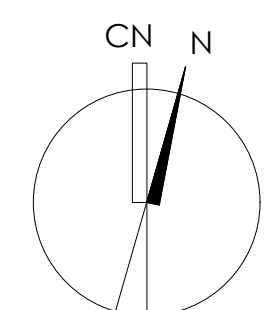
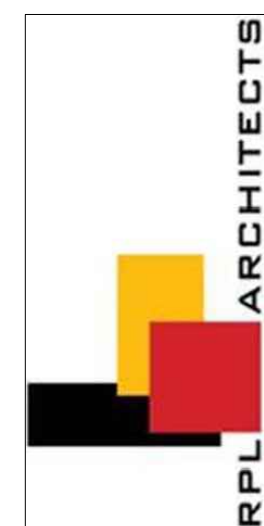
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ELECTRICAL SITE PLAN AND DETAILS

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E0.3

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1. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE INSPECTIONS.
2. PRIOR TO INSTALLATION OF BOXES IN WALLS, VERIFY THAT NO INTERFERENCES EXIST. CHECK ARCHITECTURAL PLANS AND ELEVATIONS.
3. MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING LUMINAIRES, ETC.
4. REVIEW ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
5. REFER TO DOOR DETAILS ON SHEET E501 FOR ADDITIONAL INFORMATION.

① THE RECEPTACLE AND DISCONNECT SWITCH SHALL BE INSTALLED ON OR ADJACENT TO THE UNIT AND WHERE POSSIBLE, SHALL BE FED FROM WITHIN THE UNIT USING THE MECHANICAL PATHWAY FOR ELECTRICAL CONDUITS. ALL WORK SHALL COMPLY WITH APPLICABLE ELECTRICAL CODES AND LOCAL AUTHORITY REQUIREMENTS. ROOF PENETRATIONS SHALL BE MINIMIZED AND SHALL BE PROPERLY SEALED, WEATHERPROOFED, AND COORDINATED WITH CODE REQUIREMENTS AND MANUFACTURERS INSTALLATION REQUIREMENTS. REFER TO E4.0 FOR MOUNTING DETAIL.

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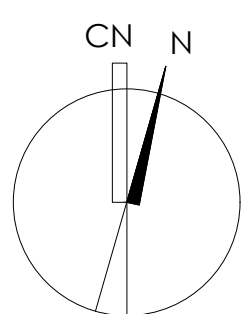
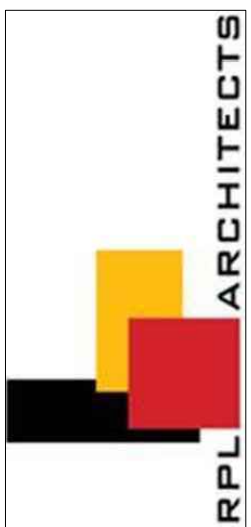
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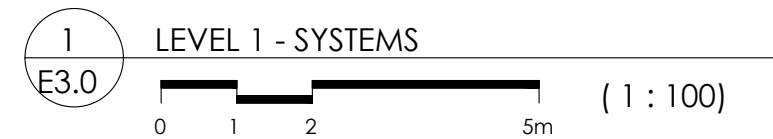


ROOF PLAN POWER AND SYSTEMS

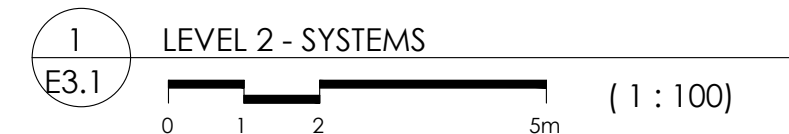
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3. MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING LUMINAIRES, ETC.
4. REVIEW ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
5. REFER TO DOOR DETAILS ON SHEET E501 FOR ADDITIONAL INFORMATION.

① LOCATED AT TOP OF ELEVATOR SHAFT.

[illegible]

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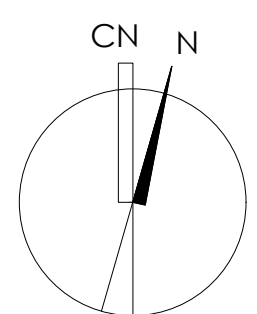
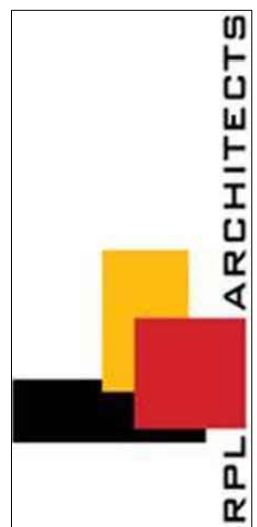


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LEVEL 2 SYSTEMS

E3.1

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1. AIR DUCT TYPE SMOKE DETECTORS SHALL BE INSTALLED IN THE MAIN SUPPLY DUCT, DOWNSTREAM OF THE MIXING BOX, FILTERS AND FAN.
2. AIR DUCT TYPE DETECTORS SHALL BE INSTALLED IN A STRAIGHT SECTION OF DUCT. REFER TO MANUFACTURER'S RECOMMENDATIONS. PROVIDE MULTIPLE AIR DUCT TYPE DETECTORS IF STRAIGHT SECTION OCCURS AFTER DUCT BRANCHES OFF.



1. ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX AND 21mm (3/4") CONDUIT TO ACCESSIBLE CEILING SPACE, CONFIRM BACK BOX REQUIREMENTS WITH HARDWARE SUPPLIER PRIOR TO ROUGH-IN
9. UNIVERSAL/BARRIER FREE WASHROOM INTEGRATION MODULE BY DOOR HARDWARE CONTRACTOR, NOTE 1



1. CONTACTOR AND TIMER ARE LOCATED IN MECH/ELEC ROOM 175.



1. MAINTAIN A MINIMUM CLEARANCE OF 308mm (12") ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. FLANGES OF ADJACENT FLASHING SHALL NOT BE CUT OR OVERLAPPED.
3. COORDINATE FLASHING INSTALLATION WITH GENERAL CONTRACTOR TO ENSURE PROPER METHODS AND MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY
4. COORDINATE PRECAST CONCRETE BASE REQUIREMENTS WITH OTHER TRADES.
5. ALL UNISTRUT AND ASSOCIATED MOUNTING HARDWARE TO BE ALUMINUM.
6. COORDINATE WITH DIVISION 25 FOR SHARED USE OF FLASHING WHERE SPECIFIED AND PRACTICABLE.



1. REFER TO ELECTRICAL RM. DETAIL FOR LOCATION & QUANTITY OF GROUND RODS



1. COORDINATE DEVICE ELEVATIONS WITH ARCHITECTURAL ELEVATIONS.
2. REFER TO DOOR HARDWARE DETAILS FOR ADDITIONAL DEVICE COORDINATION
3. PRIOR TO ROUGH-IN OF FIRE ALARM PULL STATIONS, REVIEW THE HEIGHTS ON SITE WITH BUILDING INSPECTOR TO ENSURE LOCAL REQUIREMENTS AND CODE INTERPRETATIONS ARE MET



1. PROVIDE PHOT CELL EQUAL TO: WATTSTOPPER LMPO-200
2. PHOTO CELL TO BE TIED TO I/O MODULE LOCATION NEAR OUTDOOR LIGHTING ROOM CONTROLLER.



1. PROVIDE ALL REQUIRED CABLE TRAY FITTINGS FOR A COMPLETE INSTALLATION.



1. FIXTURES TO BE SECURED TO THE BUILDING STRUCTURE.



- E4.0 NOT TO SCALE



- E4.0) NOT TO SCALE

NOTES:



PROJECT:

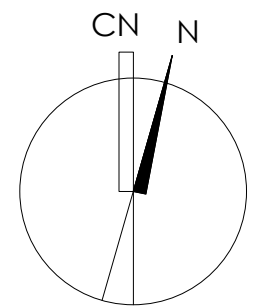
HANOVER POLICE STATION

2026.01.14

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

KEY TO DETAIL LOCATIONS:

 A - DETAIL NO.
B - SHEET NO. ORIGIN

The logo for RPL ARCHITECTS features three overlapping squares: a black square at the bottom left, a yellow square in the middle, and a red square at the top right. To the right of these squares, the text "RPL ARCHITECTS" is written vertically in a bold, sans-serif font.

ELECTRICAL DETAILS

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ZONE IDENTIFIER	DEVICE	FUNCTION			DESCRIPTION AND/OR ANNUNCIATOR LABEL
		SUPV	CONT	ANNUN	
GROUND		X			FIRST FLOOR GENERAL AREA
		X			
		X			
		X			
WATER ENTRY		X			WATER ENTRY (100)
		X			
EVIDENCE		X			EVIDENCE ROOM (114)
STAIR 1		X			STAIR 1 (S11)
STAIR 2		X			STAIR 2 (S21)
POLICE GARAGE		X			POLICE GARAGE (119)
		X			
		X			
		X			
ELECTRICAL ROOM		X			ELECTRICAL ROOM (122)
		X			
SALLY PORT		X			SALLY PORT (132)
		X			
ELEVATOR		X			ELEVATOR (140)
SECOND		X			SECOND FLOOR GENERAL
		X			
IT ROOM		X			IT ROOM (209)
SIGNAL CIRCUIT 1				X	SIGNAL CIRCUIT 1
				X	
				X	
SIGNAL CIRCUIT 2				X	SIGNAL CIRCUIT 2
				X	
				X	
ESV-BFP-IN		X			ESV-BFP-IN
ESV-BFP-OUT		X			ESV-BFP-OUT
ESV-SP-WET-G		X			ESV-SP-WET-G
FS-SP-WET-G		X			FS-SP-WET-G
ESV-SP-WET-S		X			ESV-SP-WET-S
FS-SP-WET-S		X			FS-SP-WET-S
ESV-SP-MAIN		X			ESV-SP-MAIN
FS-SP-MAIN		X			FS-SP-MAIN
ESV-SP-DRY		X			ESV-SP-DRY
PS-SP-DRY		X			LOW AIR PRESS
FS-SP-DRY		X			FS-SP-DRY
ESV-SP-PREACTION		X			PRE-ACTION SPRINKLER SYSTEM
PS-SP-PREACTION		X			
FS-SP-PREACTION		X			
RELEASE MODULE		X		X	
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		1ST FLOOR FSD
FSD		X	X		2ND FLOOR FSD
FSD		X	X		2ND FLOOR FSD
FSD		X	X		2ND FLOOR FSD

1. CONFIRM F.A. ZONE IDENTITY WITH CONSULTANT/OWNER PRIOR TO PROGRAMMING.



1. PROVIDE AS NEEDED POWER AND DATA COMMUNICATION WIRING FOR SIGNALING AND INITIATING CIRCUITS PER MANUFACTURER REQUIREMENTS.
2. COORDINATE WITH THE MANUFACTURER ALL LENGTH, QUANTITY OF SIGNAL CIRCUITS AND INITIATION CIRCUITS.
3. TYPE, QUANTITY AND LOCATION OF SIGNAL AND INITIATION DEVICES TO BE COORDINATED WITH ELECTRICAL DRAWINGS AND SPECIFICATIONS PROVIDED.
4. ALL FIRE ALARM SYSTEM WIRING SHALL BE RUN IN MINIMUM 3/4" (21MM) CONDUIT UNLESS INDICATED. TYPE, SIZE AND QUANTITY OF WIRING SHALL BE IN CONFORMANCE WITH MANUFACTURERS' REQUIREMENTS, RECOMMENDATIONS AND ABIDING THE LATEST ELECTRICAL CODE.
5. PROVIDE FAULT ISOLATION MODULES FOR ADDRESSABLE COMMUNICATION LINK LOOP AT FIRE ALARM ZONE SURVEILLANCE AS REQUIRED BY LATEST CAN/ULC-S524.
6. REFER TO FIRE ALARM SPECIFICATION FOR MORE INFORMATION AND REQUIREMENTS OF THE SYSTEM, FIRE ALARM SEQUENCE OF OPERATION, AND INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS.
7. ALL ADDRESSABLE LOOP WIRING IS TO BE 'DCLA'.
8. WIRE AND CONNECT ALTERNATE SIGNAL HORNS TO SEPARATE SIGNAL CIRCUITS SO ADJACENT HORNS ARE NOT CONNECTED TO THE SAME CIRCUIT. MOUNT END OF LINE RESISTORS BESIDE LAST DEVICE, DOCUMENT LOCATION OF END OF LINE RESISTORS AND PLACE INSIDE FIRE ALARM CONTROL PANEL.
9. PROVIDE PASSIVE GRAPHICS AND ANNUNCIATOR ADJACENT TO FIRE ALARM CONTROL PANEL.
10. ALLOW FOR ADJUSTING NOTIFICATION DEVICE OUTPUT AND RETESTING AUDIBILITY UNTIL REQUIRED LEVELS ARE MET.
11. PROVIDE COMMUNICATION SIGNAL FROM NEW BUILDING TO THE EXISTING BUILDING.

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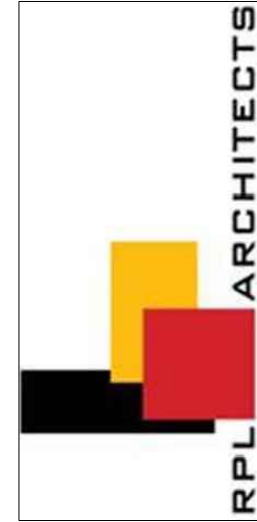
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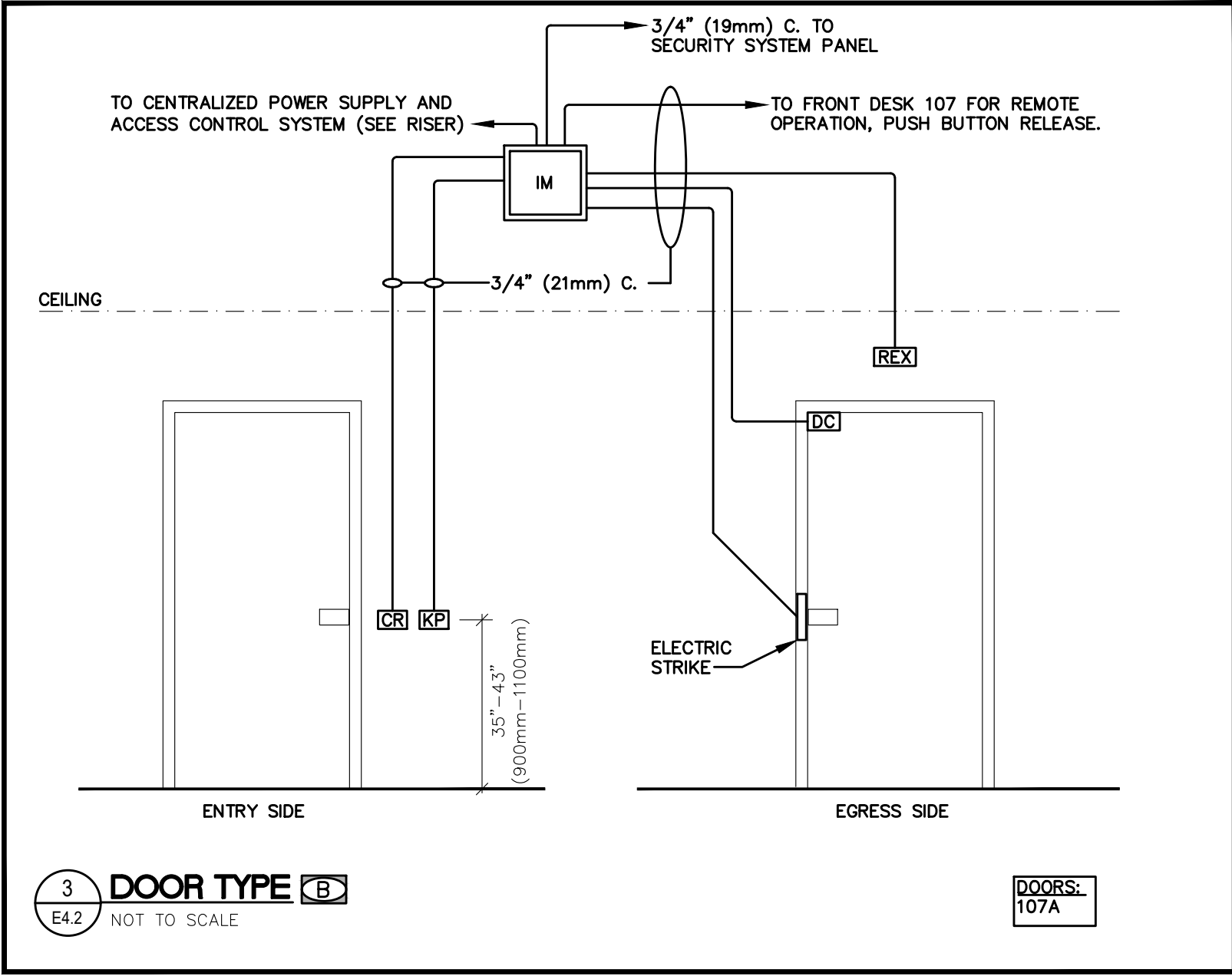
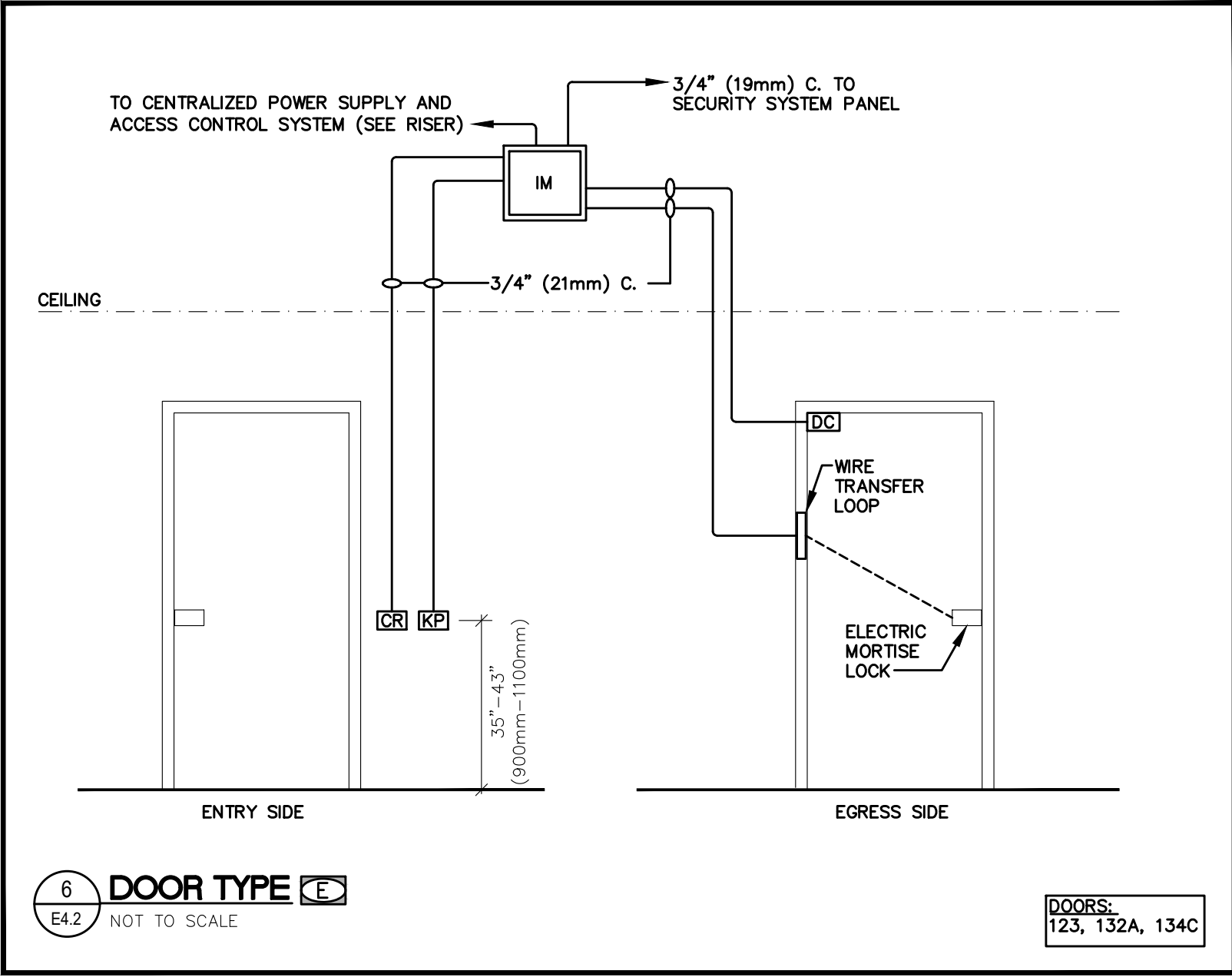
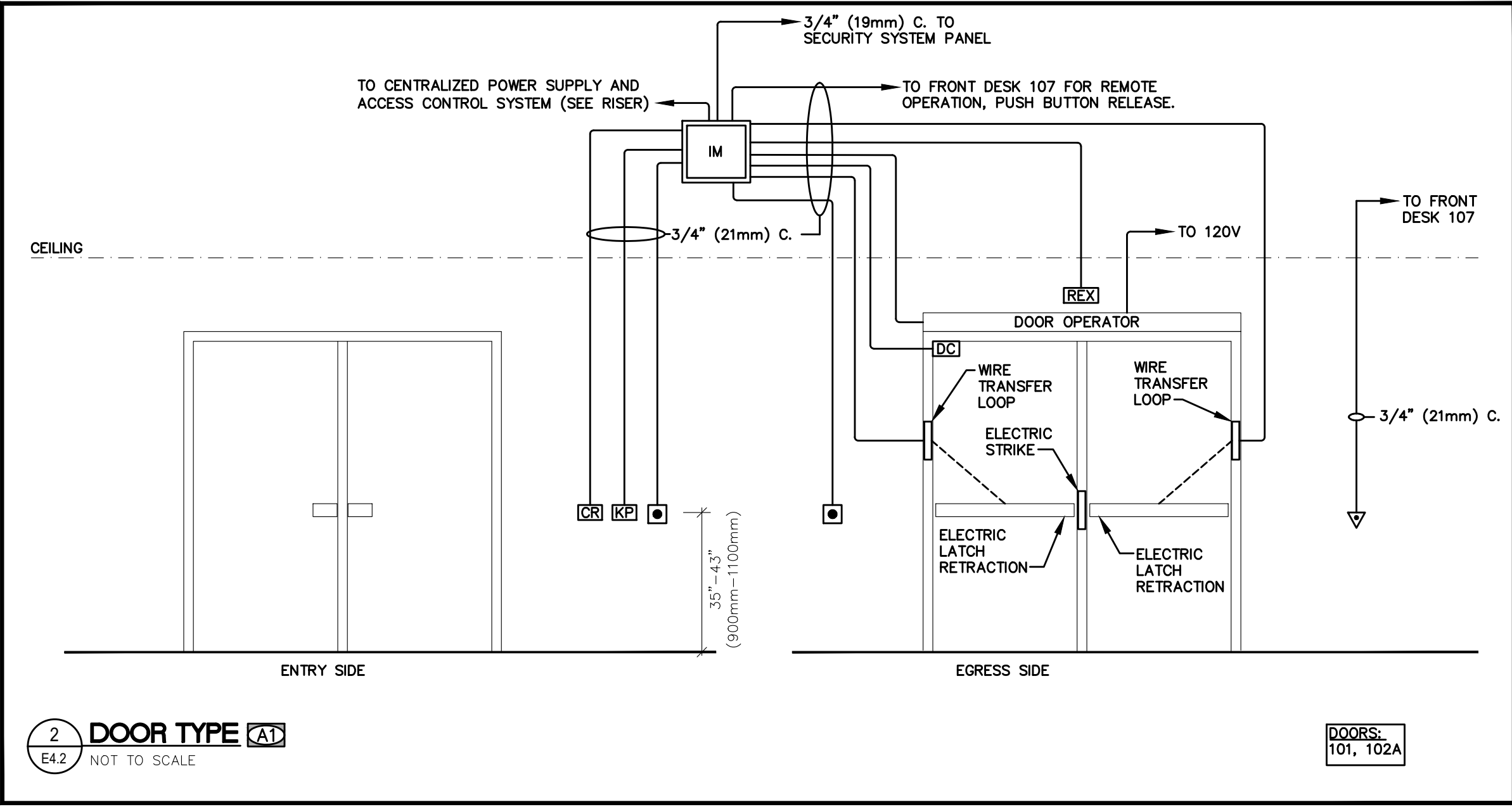
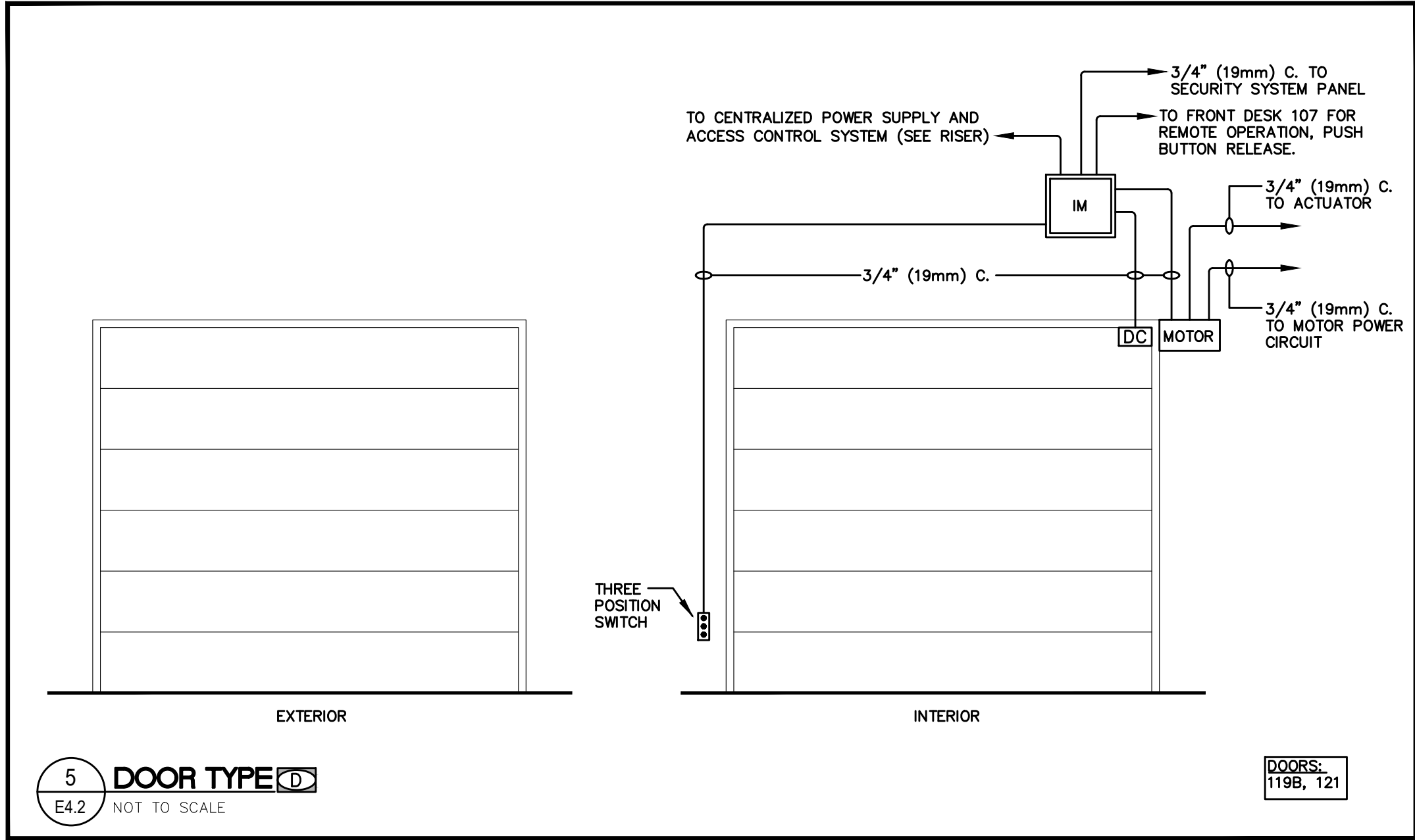
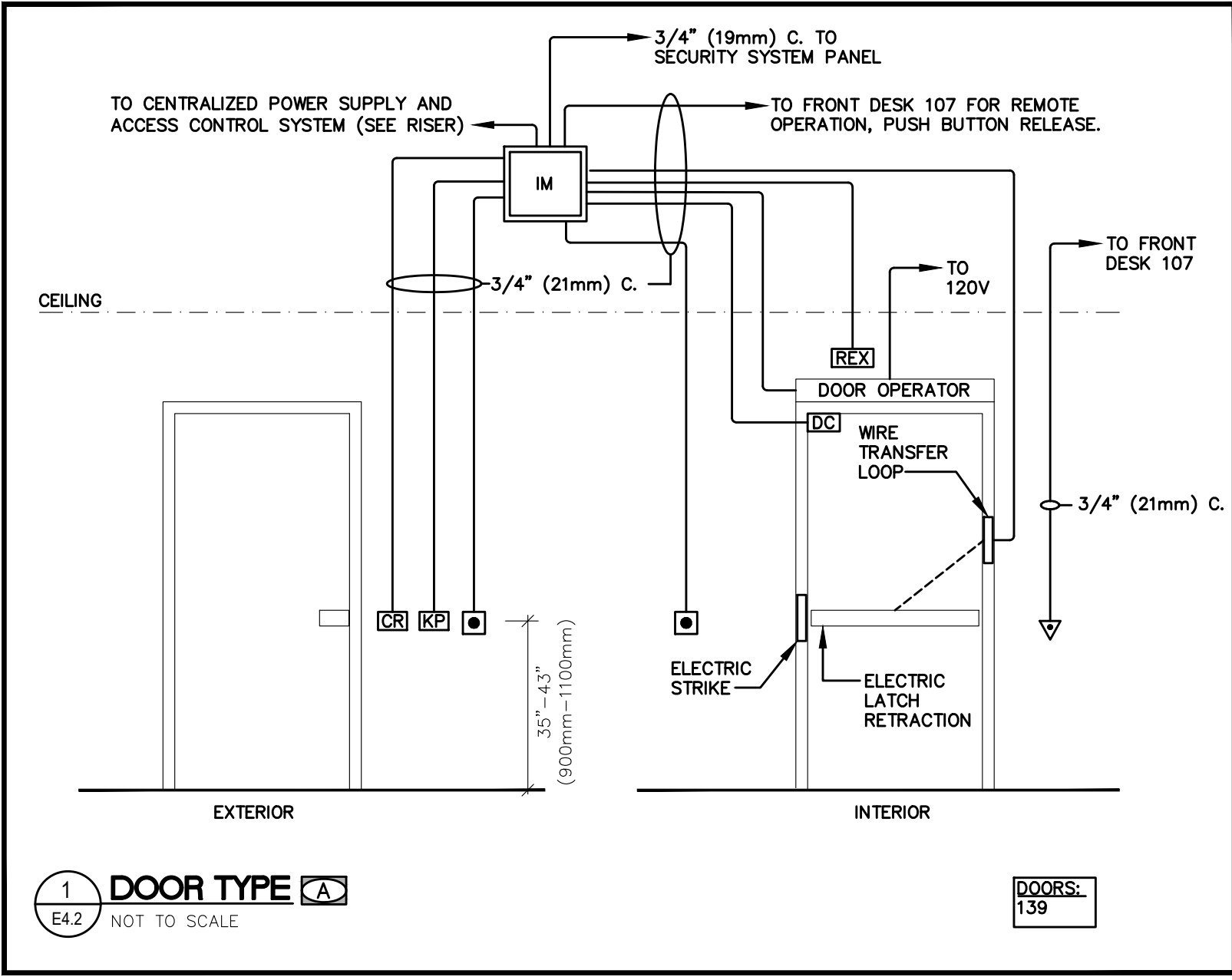
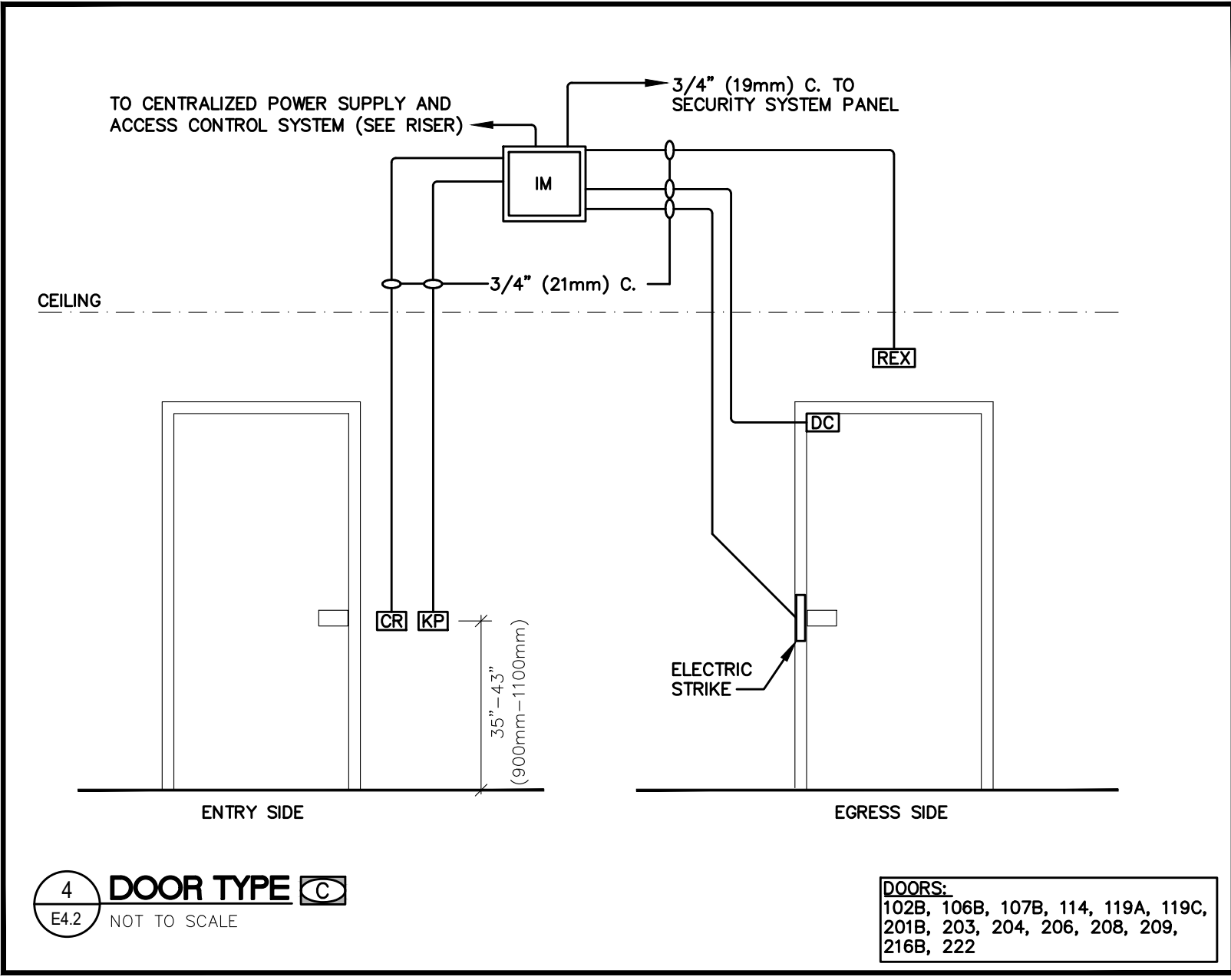
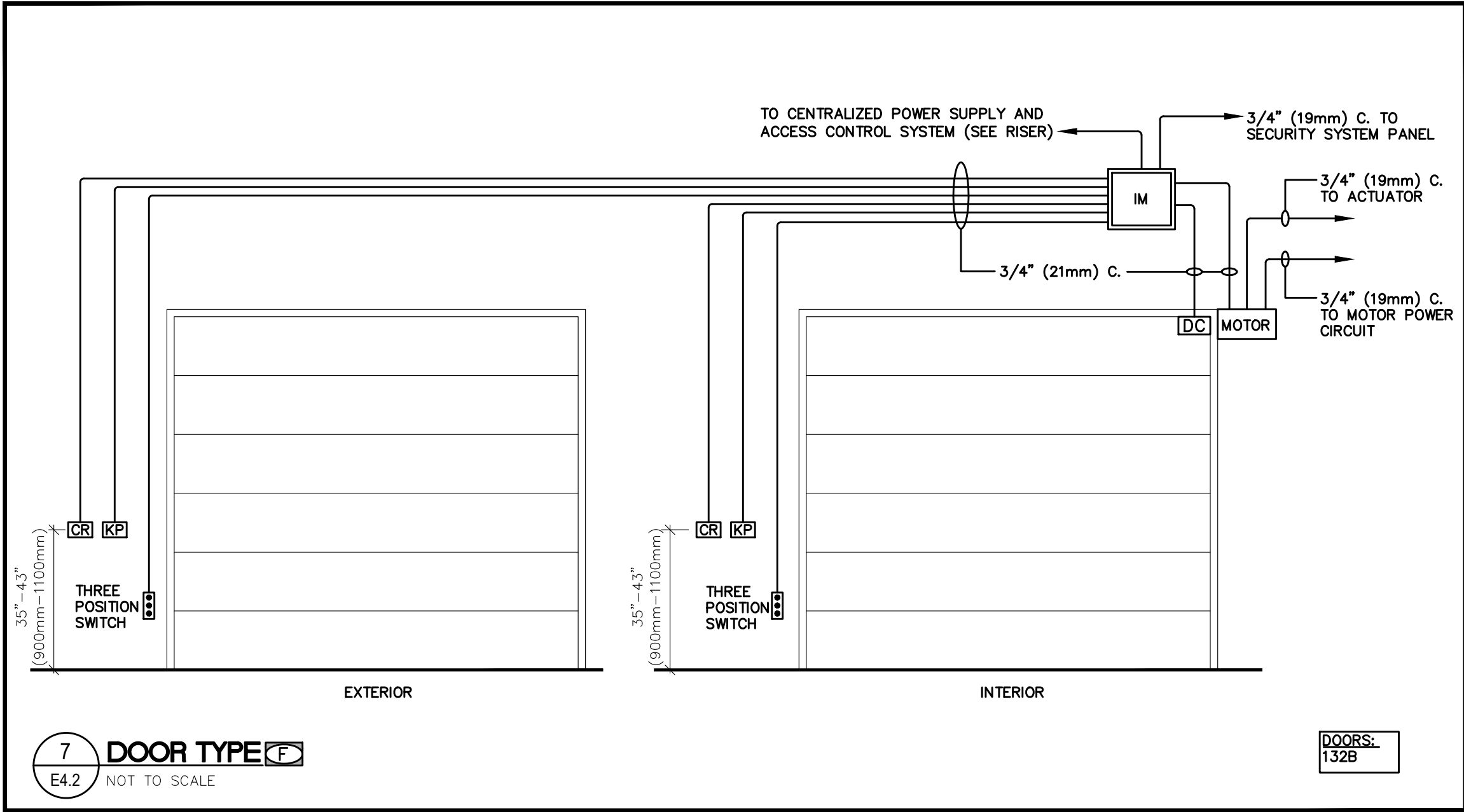
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A diagram of a circular sector. A vertical line segment is labeled 'CN' at its top. A radial line segment is labeled 'N' at its end. The lines intersect at a point on the vertical line.

Checked by :



REVISIONS		
NO.	DATE	PARTICULAR
1	04/03/26	ISSUED FOR HYDRO COORD.
2	01/04/26	ISSUED FOR PROGRESS
3	17/04/26	ISSUED FOR PROGRESS
4	03/07/26	ISSUED FOR OWNER CD REVIEW
5	31/07/26	ISSUED FOR PROGRESS
6	13/08/26	ISSUED FOR TENDER

NOTES:



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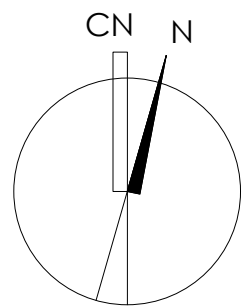
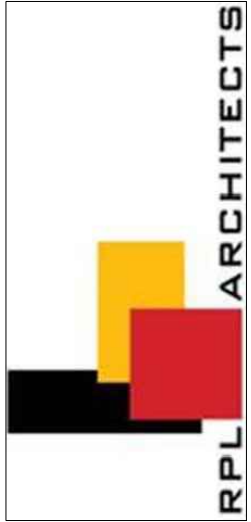
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ELECTRICAL DOOR ELEVATION DETAILS



- (1) PROVIDE CONTROL WIRING TO FIRE ALARM CONTROL PANEL FOR MONITORING GENERATOR COMMON FAULT CONDITION. PROVIDE CONTROL WIRING TO REMOTE GENERATOR ANNUNCIATOR PANEL CONTROL WIRING TO BE A CSA, OESC AND OBC APPROVED 2 HOUR FIRE RATED METHOD OF INSTALLATION.
- (2) LOAD BANK CIRCUIT BREAKER IS TO BE SHUNT TRIPPED ON CALL TO START GENERATOR BY FIRE PUMP ATS GENERATOR START SIGNAL. PROVIDE SHUNT TRIP CIRCUIT BREAKER C/W RELAY CONDUIT AND WIRE FOR A COMPLETE SYSTEM TO SHUNT TRIP CIRCUIT BREAKER UPON LOSS OF NORMAL POWER TO THE BUILDING DURING LOAD BANK TESTING OF GENERATOR. CONTROL WIRING TO BE A CSA, OESC AND OBC APPROVED 2 HOUR FIRE RATED METHOD OF INSTALLATION.
- (3) PROVIDE DUAL CIRCUIT BREAKER CONFIGURATION ON THE GENERATOR LOAD BUS C/W TWO (2) 800AMP FRAME CIRCUIT BREAKERS. 800AMP FRAME CIRCUIT BREAKER TRIP SETTINGS ARE TO BE SET AS INDICATED ON DRAWING.
- (4) COORDINATE BREAKER RATING PRIOR TO SUBMITTING SPD SHW DRAWINGS.
- (5) PROVIDE CONDUIT (1-1/4") BETWEEN THE SWITCHBOARD AND THE P-BASE.
- (6) FLOAT NEUTRAL PER OESC BULLETIN 10-10-*.
- (7) REFER TO SITE PLAN DETAILS FOR FURTHER INFORMATION.
- (8) PROVIDE GENERATOR START WIRES BETWEEN GENERATOR AND ATS-1.

FEEDER SCHEDULE

TAG	QUANTITY & SIZE OF COPPER CONDUCTORS AND CONDUITS	FEEDER AMPACITY
2-15	2 #12 + #14 GROUND IN 3/4" (21mm) CONDUIT	15
2-20	2 #12 + #14 GROUND IN 3/4" (21mm) CONDUIT	20
3-40	3 #8 + #10 GROUND IN 1" (27mm) CONDUIT	40
3-60	3 #6 + 10 GROUND IN 1" (27mm) CONDUIT	60
3-90	3 #3 + #8 GROUND IN 1-1/4" (35mm) CONDUIT	90
3-100	3 #3 + #8 GROUND IN 1-1/4" (35mm) CONDUIT	100
3-125	3 #1 + #6 GROUND IN 2" (53mm) CONDUIT	125
3-150	3 #1/0 + #6 GROUND IN 2" (53mm) CONDUIT	150
3-175	3 #2/0 + #6 GROUND IN 2" (53mm) CONDUIT	175
4-800	3 (4 #300MCM + #4 GROUND IN 3" (78mm) CONDUIT)	800

REVISIONS

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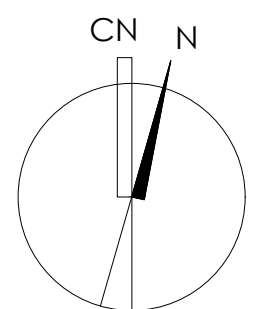
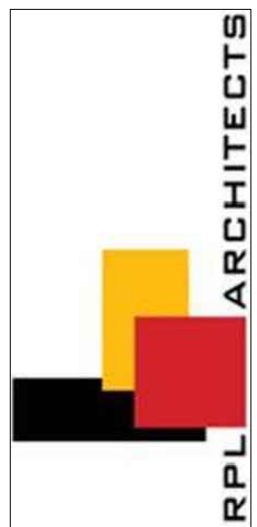
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SINGLE LINE DIAGRAM

E5.0

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PANEL '2MA' 125AMP 120/208V 3Ø 4W 22KAIC										RECESSED
CIRCULATION 222										
WATTS	FOR	P	AMP	CCT	CCT	AMP	P	FOR	WATTS	
	EF-4B (STORAGE 202)	1	15	1	2	15	2	FC-3 (TRAINING 201)		
				3	4					
				5	6					
	BC-2 (WAITING AREA 203)	2	15	7	8	15	2	FC-2 (WAITING AREA 203)		
				9	10					
	FC-3 (CHIEF 206)	2	15	11	12	15	2	FC-5 (DEPUTY CHIEF 207)		
				13	14					
				15	16			FC-6 (CIRCUL. 222)		
	FC-6 (LUNCH RM 216)	2	15	17	18					
				19	20			FC-7 (CIRCUL. 221)		
	EF-4B (STG. 218)	1	15	19	20	15	2			
				21	22					
	BC-2 (CHANGE RM 219)	2	15	23	24	15	2	FC-7 (FITNESS 220)		
				25	26					
	AC-1B (IT ROOM 209)	2	30	27	28	15	2	SPARE		
				29	30					
	SPARE	2	30	31	32	15	1	SPARE		
				33	34					
	SPARE	1	15	33	34	15	1	SPARE		
				35	36					
	SPARE	1	15	35	36	15	1	SPARE		
				37	38					
	SPARE	1	15	37	38	15	1	SPARE		
				39	40					
	SPACE	1	15	39	40	15	1	SPACE		
				41	42					
				43	44					
				45	46					
				47	48					
				49	50					
				51	52					
				53	54					
				55	56					
				57	58					
				59	60					

PANEL '1MA' 150AMP 120/208V 3Ø 4W 22KAIC										RECESSED
EQUIP/DUTY BAGS 110										
WATTS	FOR	P	AMP	CCT	CCT	AMP	P	FOR	WATTS	
	CUH-1 (STAIR 1)	1	15	1	2	15	1	CUH-1 (STAIR 2)		
				3	4					
	CUH-1 (WATER ENTRY 100)	1	15	5	6	15	2	EF-1A (WASHRM 103)		
				7	8					
	FC-4 (OFFICE 112)	2	15	7	8	15	2	BC-1 (FRONT DESK 107)		
				9	10					
	FC-6 (WORK AREA 111)	2	15	11	12	15	2	FC-5 (EQUIP/DUTY 110)		
				13	14					
	SPARE	2	15	15	16	15	2	FC-7 (COURT 105)		
				17	18					
	BC-1 (JAN. STOR. 116)	2	15	19	20	15	1	HUH-3 (GARAGE 119)		
				21	22					
	HUH-2 (IMPOUND BAY 121)	1	15	23	24	15	3	CP-1 (JAN. STOR. 116)		
				25	26					
	FC-2 (BOOKING 123)	2	15	27	28	15	1	HUH-2 (SALLY PORT 132)		
				29	30					
	FC-3 (BOOKING 123)	2	15	29	30	15	1	EF-1B (PUBLIC W/R 133)		
				31	32					
	EDH-1 (CIRCUL. 135)	1	20	33	34	15	2	FC-1 (CIRCUL. 135)		
				35	36					
	FOR-1 (VEST. 134)	1	15	35	36	15	2	SPARE		
				37	38					
	SPARE	1	15	37	38	15	2	SPARE		
				39	40					
	EF-2 (LEVEL 1 ROOF)	3	15	41	42	15	2	SPARE		
				43	44					
	CLEAN AGENT REL. C.P.	1	15	45	46	15	3	EF-3 (LEVEL 1 ROOF)		
				47	48					
	SPARE	2	15	47	48	15	3			
				49	50					
	FSD 1ST FLOOR	1	15	51	52	15	3	SPARE		
				53	54					
	FSD 1ST FLOOR	1	15	53	54	15	3	SPARE		
				55	56					
	SPARE	3	15	57	58	20	1	SPARE		
				59	60					
	SPARE	1	15	61	62	15	1	SPARE		
				63	64					
	SPARE	1	15	63	64	15	1	SPARE		
				65	66					
	SPARE	1	15	65	66	15	1	SPARE		
				67	68					
	SPACE	1	15	67	68	15	1	SPACE		
				69	70					
				71	72					
				73	74					
				75	76					
				77	78					
				79	80					
				81	82					
				83	84					

PANEL '2A' 100AMP 120/208V 3Ø 4W 22KAIC										RECESSED
CIRCULATION 222										
WATTS	FOR	P	AMP	CCT	CCT	AMP	P	FOR	WATTS	
	618 LTG-TRAINING/STRG/CHIEF	1	15	1	2	15	1	REC-TV WAITING AREA	400	
	574 LTG-WAITING/CIRCULATION	1	15	3	4	15	1	REC-SOFT INT./CIRCUL.	800	
	463 LTG-PROJ/INT/REC/AT/CHIEF	1	15	5	6	15	1	REC-TRAINING/STOR.	1000	
				7	8					
	DOOR CONTROLS	1	15	7	8	15	1	REC-TRAINING	800	
	MAIN ENT. SIGNAGE	1	15	9	10	15	1	REC-TRAINING	800	
	REC-TRAP SEAL (GF)	1	15	11	12	15	1	REC-TRAINING FUTURE TV	200	
	REC-PRINTER	1	20	13	14	15	1	REC-CHIEF TV	400	
	REC-OC APPLIANCE	1	20	15	16	15	1	REC-CHIEF	800	
	REC-ROOFTOP MAINT. (GF,ED)	1	20	17	18	15	1	REC-CHIEF/DEP CHIEF (GF)	400	
	DOAS-1 LIGHTING & REC	1	15	19	20	15	1	REC-DEPUTY CHIEF TV	400	
	REC-ROOFTOP MAINT. (GF,ED)	1	20	21	22	15	1	REC-CIRCUL FLOOR BOX	800	
	REC-ROOFTOP MAINT. (GF,ED)	1	20	23	24	15	1	REC-DEP. CHIEF/DETEC.	800	
	ROOM DIVIDER TRAINING 201	1	15	25	26	15	1	REC-DETEC.	800	
	200 REC-STAIR 2	1	15	27	28	15	1	REC-DETEC. TV	400	
				29	30					
	SPARE	1	15	29	30	15	1	REC-PROJECT ROOM	1000	
				31	32					
	SPARE	1	15	31	32	15	1	REC-CIRCUL.	800	
				33	34					
	SPARE	1	15	33	34	15	1	REC-RECORDS/QM STOR.	600	
				35	36					
	SPARE	1	15	35	36	15	1	REC-IT ROOM	600	
				37	38					
	SPARE	1	15	37	38	20	1	SPARE		
				39	40					
	SPARE	1	15	39	40	20	1	SPARE		
				41	42					
	SPACE	1	15	41	42	20	1	SPACE		
				43	44					
				45	46					
				47	48					
				49	50					
				51	52					
				53	54					
				55	56					
				57	58					
				59	60					

PANEL '2B' 125AMP 120/208V 3Ø 4W 22KAIC										RECESSED
CIRCULATION 221										
WATTS	FOR	P	AMP	CCT	CCT	AMP	P	FOR	WATTS	
	464 LTG-LUNCH/FITNESS	1	15	1	2	20	1	REC-LUNCH RM FRIDGE	200	
	615 LTG-M&W CHANGE RM	1	15	3	4	20	1	REC-LUNCH RM DW (GF)	200	
	160 LTG-MHRT/UNV WR	1	15	5	6	20	1	REC-LUNCH RM MW (GF)	200	
				7	8					
	REC-VENDING MACH.	1	20	7	8	15	1	REC-LUNCH RM (GF)	200	
				9	10					
	REC-VENDING MACH.	1	20	9	10	15	1	REC-LUNCH RM TV	600	
	REC-CHARGING RACK	1	20	11	12	15	1	REC-STG./CIRCUL.	400	
	DOOR CONTROLS	1	15	13	14	20	1	REC-CHARGING RACK	200	
	REC-DRINKING FOUNTAIN (GF)	1	15	15	16	15	1	REC-FITNESS TV'S	400	
	REC-TRAP SEAL (GF)	1	15	17	18	15	1	REC-MENS CHANGE RM	800	
	REC-WASHER MENS	1	15	19	20	15	1	REC-CHANGE RM (GF)	800	
	REC-WASHER WMNS	1	15	21	22	15	1	REC-WMNS CHANGE RM	800	
				23	24					
	REC-DRYER MENS	2	30	23	24	15	1	REC-UNIV. WR. (GF)	200	
				25	26					
				27	28					
	REC-DRYER WMNS	2	30	27	28	15	1	REC-MHRT. FUTURE TV	200	
				29	30					
	UNIV. WR. 214 PLUMB. FIXT.	1	15	31	32	20	1	REC-CIRCULATION	200	
				33	34					
	SPARE	1	15	33	34	30	2	SPARE		
				35	36					
	SPARE	1	15	35	36	20	1	SPARE		
				37	38					
	SPARE	1	15	37	38	20	1	SPARE		
				39	40					
	SPARE	1	15	39	40	20	1	SPARE		
				41	42					
	SPACE	1	15	41	42	20	1	SPACE		
				43	44					
				45	46					
				47	48					
				49	50					
				51	52					
				53	54					
				55	56					
				57	58					
				59	60					

PANEL '1A' 100AMP 120/208V 3ø 4W 22KAIC							RECESSED		
							EQUIP/DUTY BAGS 110		
WATTS FOR		P	AMP	CCT	CCT	AMP	P FOR	WATTS	
654	1LT-LOBBY/WR/INT./SGT. OF	1	15	1	2	15	1	REC-LOBBY/PROB	1000
624	1LT-FRNT DSK/WR/CORR	1	15	3	4	15	1	REC-ELEVATOR (GF)	200
524	1LT-ADM OFFICE/DUTY	1	15	5	6	15	1	REC-NR 103 (GF)	600
1000	WR-103 PLUMB. FIXT.	1	15	7	8	15	1	REC-PROB/ADMIN	800
	DOOR OPERATORS	1	15	9	10	15	1	REC-ADMIN	800
	DOOR CONTROLS	1	15	11	12	15	1	REC-ADMIN	800
	REC-TRAP SEAL (GF)	1	15	13	14	15	1	REC-TV ADMIN	400
	MOTORIZED DAMPER	1	15	15	16	15	1	REC-MULTI-PURPOSE	400
600	REC-USE-USE OF FORCE	1	15	17	18	15	1	REC-USE OF FORCE	600
	OVERHEAD DOOR	3	15	19	20	15	1	REC-FRONT DESK	800
	POLICE GARAGE 119			21	22	20	1	REC-PRINTER	800
	OVERHEAD DOOR			23	24	15	1	REC-WORK AREA	800
	IMPOUND BAY 121	3	15	25	26	15	1	REC-WORK AREA	800
600	REC-TRAP SEAL (GF)	1	15	27	28	15	1	REC-WORK AREA	800
	FRONT DESK SPEAKER	1	15	29	30	15	1	REC-TV WORK AREA	400
	REC-FRONT DESK	1	15	31	32	15	1	REC-OFFICE/DUTY	1000
	REC-FRONT DESK	1	15	33	34	20	1	REC-CHARGING CARD	800
	REC-LATCH RETRACT CTRL	1	15	35	36	15	1	REC-EQUIP/DUTY (GF)	200
SPARE				37	38	15	1	REC-CIRCUL 138/139	800
		3	15	39	40	20	1	SPARE	
				41	42	20	1	SPARE	
		1	15	43	44	15	1	SPARE	
		1	15	45	46	15	1	SPARE	
SPARE				47	48	15	1	SPARE	
		1	15	49	50	15	1	SPARE	
				51	52				
				53	54				
				55	56				
SPACE				57	58				
				59	60				