# SYMBOL SCHEDULE

		DOWED DIANIONADOLO	T T		<del> </del>	ADDDE //ATIONS
		POWER PLAN SYMBOLS	┦	FIRE ALARM SYMBOLS		ABBREVIATIONS
	₩	DUPLEX 5-15R RECEPTACLE	F	FIRE ALARM MANUAL STATION	EX	EXISTING DEVICE TO REMAIN
	₩GF	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFCI PROTECTION	EO	FIRE ALARM BELL	RE	REMOVE EXISTING DEVICE
	₩	DUPLEX 5-20R RECEPTACLE, T-SLOT		FIRE ALARM PIEZO (MINI) SOUNDER	RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
	<b>□</b>	CAR HEATER POST MOUNTED DUPLEX 5-20R RECEPTACLE		FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME	RL	RELOCATE EXISTING DEVICE
	Ψ	SINGLE 5-15R RECEPTACLE	⊠⊲EH	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME c/w STROBE	ER	EXISTING DEVICE IN RELOCATED POSITION
	<del> </del>	SPLIT CIRCUIT DUPLEX 5-15R RECEPTACLE	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	FIRE ALARM HORN SPEAKER	AFF	ABOVE FINISHED FLOOR
	<b>+</b>	TWO DUPLEX 5-15R RECEPTACLES		FIRE ALARM CONE SPEAKER	AFG	ABOVE FINISHED GRADE
	Ю	SPECIAL RECEPTACLE (TYPE AS INDICATED)	⊠⊲cs	FIRE ALARM CONE SPEAKER c/w STROBE	BMS	BUILDING MANAGEMENT SYSTEM
	♦	REEL CORD RECEPTACLE (TYPE AS INDICATED)	X	CEILING MOUNTED REMOTE EVACUATION STROBE	l	
		FLOOR MOUNTED DUPLEX 5—15R RECEPTACLE	+×	WALL MOUNTED REMOTE EVACUATION STROBE		 
		TWO FLOOR MOUNTED DUPLEX 5-15R RECEPTACLES		CARBON MONOXIDE ALARM	СМ	COFFEE MACHINE
		CEILING MOUNTED DUPLEX 5-15R RECEPTACLE		FIRE ALARM HEAT DETECTOR (RATE OF RISE UNLESS OTHERWISE INDICATED)	DIC	DICTATION
	<b>*</b>	TWO CEILING MOUNTED DUPLEX 5-15R RECEPTACLES	②s	FIRE ALARM SMOKE DETECTOR	DW	DISHWASHER
	P	SERVICE COLUMN / PACK POLE (OUTLETS AS INDICATED)	②DS	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED	FAX	FAX MACHINE
	<u> </u>	UTILITY POLE (TYPE AS INDICATED)	②SA	SMOKE ALARM	GF	GROUND FAULT CURCUIT INTERPLIENTED
	<u> </u>	CEILING MOUNTED JUNCTION BOX	FAA	FLAME DETECTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	H)	WALL MOUNTED JUNCTION BOX	_	FIRE ALARM ANNUNCIATOR PANEL	HK	HOUSEKEEPING
	J	FLOOR MOUNTED JUNCTION BOX	FACP	FIRE ALARM CONTROL PANEL	HFF	HANDS FREE FIXTURE
		POWER PANELBOARD	CACF	CENTRAL ALARM & CONTROL FACILITY	00	ON CENTER
		PANEL (TYPE AS INDICATED - SECURITY, LIGHTING RELAY, ETC.)  SURFACE RACEWAY (TYPE AS INDICATED)		FIRE ALARM EMERGENCY TELEPHONE FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE	JB	JUNCTION BOX
		PUSHBUTTON (TYPE AND WIRING AS INDICATED)	RFA	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE	MCC	MOTOR CONTROL CENTER
		GROUND BUS BAR	EOL		MW	MICROWAVE
		ROOM REFERENCE GROUND BUS	ISO	FIRE ALARM END OF LINE RESISTOR  FIRE ALARM FAULT ISOLATION MODULE	NC NO	NORMALLY CLOSED
		MOTOR	CM	FIRE ALARM FAULI ISOLATION MODULE  FIRE ALARM CONTROL MODULE	NO IG	NORMALLY OPEN ISOLATED GROUND
		MOTOR c/w DISCONNECT SWITCH	MM	FIRE ALARM CONTROL MODULE  FIRE ALARM MONITOR MODULE	PACS	PICTURE ARCHIVING COMMUNICATION SYSTEM
	₩ W	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER	PS	FIRE ALARM MONITOR MODULE  FIRE ALARM CONNECTION TO PRESSURE SWITCH	PEC	PHOTO CELL
		DISCONNECT SWITCH	FS	FIRE ALARM CONNECTION TO FRESSORE SWITCH	PTR	PRINTER
4750)		FUSED DISCONNECT SWITCH	TS	FIRE ALARM CONNECTION TO TAMPER SWITCH	FIR	
ATED)		MAGNETIC MOTOR STARTER	LS	FIRE ALARM CONNECTION TO LEVEL SWITCH	RB	RELAY BASE
ED)	1	THERMOSTAT	1 -		REF	REFRIGERATOR
	₩P	MANUAL MOTOR STARTER c/w PILOT LIGHT		SECURITY/ACCESS CONTROL SYMBOLS	SB SB	SOUNDER BASE
	E	CONDUIT STUB	$+$ $\square$	WALL MOUNTED SECURITY CAMERA	SPD	SURGE PROTECTIVE DEVICE
	Θ—	CONDUIT UP		WALL MOUNTED SECURITY CAMERA, FIXED	TR.	TAMPER RESISTANT
	<u> </u>	CONDUIT DOWN		WALL MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM	TV	TELEVISION
		TELECOMMUNICATIONS SYMBOLS		CEILING MOUNTED SECURITY CAMERA	TYP	TYPICAL
	4"		ZZZAPTZ	CEILING MOUNTED SECURITY CAMERA, FIXED	WP WP	WEATHERPROOF
	<b>◄</b> #	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)	© CR	CEILING MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM		INDICATES DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP COORDINATE EXACT MOUNTING HEIGHT WITH ARCH. DETAIL
	<b>V</b> #	FLOOR MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)	CRK	CARD READER	· -	INDICATES DEVICE MOUNTED BELOW MILLWORK COUNTERTOP
	<b>⊘</b> #	CEILING MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)		CARD READER / KEY PAD COMBINATION  SECURITY KEY PAD	. *	COORDINATE EXACT MOUNTING HEIGHT WITH ARCH. DETAIL
	—— WAP	INTERCOM STATION  WIRELESS ACCESS POINT	KO	KEYSWITCH OVERRIDE		INDICATES DEVICE MOUNTED IN FURNITURE SYSTEM
	—————————————————————————————————————		E	REQUEST—TO—EXIT PUSHBUTTON		INDICATES DEVICE MOUNTED ON DATA RACK
	©CATV		P	PANIC/DURESS PUSHBUTTON	l	
	☑ CATV		BK	BUZZER AND KEYSWITCH FOR LOCAL ALARM		GENERAL SYMBOLS
	<b>Q</b> S/IIV	RADIO REMOTE	ML	ELECTROMAGNETIC LOCK	(#)	NOTE REFERENCE
	✓F	FIBRE OPTIC OUTLET	EH	ELECTRIFIED DOOR HARDWARE	<i>## ###</i>	EQUIPMENT REFERENCE
	71	CABLE TRAY, AS INDICATED	DP	DOOR POSITION SWITCH	<b> </b>	REVISION NUMBER
	DII		(RE)	REQUEST—TO—EXIT MOTION SENSOR	##	WIRING HOME RUN
		BLIC ADDRESS & AUDIO-VISUAL SYMBOLS	<del>                                  </del>	PUSHBUTTON	##	
	(P)	CEILING MOUNTED SPEAKER	<u> </u>	PUSHBUTTON C/W KEYED RESET	1	
	₩ O 1	WALL MOUNTED SPEAKER		CEILING MOUNTED SECURITY MOTION DETECTOR	1	
	®⊲	CEILING MOUNTED HORN SPEAKER	₩360°	CEILING MOUNTED SECURITY MOTION DETECTOR (360 DEGREES)	1	
	₩ <u></u>	WALL MOUNTED HORN SPEAKER	H HW	WALL MOUNTED SECURITY MOTION DETECTOR	1	
	■M	FLOOR MOUNTED MICROPHONE XLR JACK		GLASS BREAK DETECTOR	1	
	✓M	WALL MOUNTED MICROPHONE XLR JACK		ALARM SIREN	1	
	ØM □ 1	CEILING MOUNTED MICROPHONE XLR JACK				
		HORN	<b>↓ ├──</b>			
		CHIME	┨ ├───			
	BO	BUZZER	┨ ├───			
	Ŕ	VOLUME CONTROL	<b>↓ ├──</b>			
	■AV	FLOOR MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)	<b>↓ ├──</b>	I.	1	
	⊲av	WALL MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)	4			
	<b>⊘</b> AV	CEILING MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)	4			
I	l 🙉	PADIO SPEAKER	1 1		1 1	

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Consultants

Appd YYYY.MM.DD TJS 2016.01.29 By Appd YYYY.MM.DD

Permit-Seal



PERMIT NUMBER: P 0258

Client/Project GOVERNMENT OF

CANADA ELK POINT - NEW BUILDING

54 STREET AND RAILWAY AVENUE ELK POINT, ALBERTA

ELECTRICAL SYMBOL LEGEND, NOTES AND DRAWING LIST

Project No. 144202690

Revision

Sheet

as shown

Drawing No.

ELECTRICAL DRAWING LIST E001 ELECTRICAL SYMBOL LEGEND, NOTES, AND DRAWING LIST
E100 ELECTRICAL SITE PLAN
E200 MAIN FLOOR PLAN - LIGHTING
E300 MAIN FLOOR PLAN - POWER, COMMUNICATIONS AND SECURITY
E301 MAIN FLOOR PLAN - SYSTEM
E400 ELECTRICAL SINGLE LINE DIAGRAM AND SCHEDULES
E401 ELECTRICAL SCHEDULES
E5000 ELECTRICAL DETAILS

LIGHTING PLAN SYMBOLS

SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 1'x4'

SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x4'

SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x2'

RECESSED FLUORESCENT LUMINAIRE, 1'x4'

FLUORESCENT STRIP LUMINAIRE, 4'

FLUORESCENT STRIP LUMINAIRE, 3'

FLUORESCENT STRIP LUMINAIRE, 2'

RECESSED FLUORESCENT LUMINAIRE, 2'x4'

RECESSED FLUORESCENT LUMINAIRE, 2'x2'

WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 4'

WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 3' WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 2'

SURFACE MOUNTED OR SUSPENDED LUMINAIRE

STEP OR WALL MOUNTED LUMINAIRE BOLLARD OR IN-GROUND LUMINAIRE

POLE MOUNTED LUMINAIRE (SINGLE HEAD) POLE MOUNTED LUMINAIRE (DOUBLE HEAD)

RECESSED LUMINAIRE / POT LIGHT, 6" DIAMETER OR LARGER RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER

RECESSED ADJUSTABLE LUMINAIRE ARRAY (# OF HEADS AS SHOWN)

LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)

DIRECTIONAL / AIMED LUMINAIRE (ARROW INDICATES DIRECTION)

TRACK LIGHT (# OF HEADS AS SHOWN, LENGTH AS INDICATED)

MULTIPLE LOW VOLTAGE SWITCHES (QUANTITY AS INDICATED)

CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED) WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)

LINE VOLTAGE SWITCH (120V TO 347V)

LOW VOLTAGE SWITCH (30V OR LESS)

©OS LOW VOLTAGE SWITCH c/w OCCUPANCY SENSOR GOS LINE VOLTAGE SWITCH c/w OCCUPANCY SENSOR LINE VOLTAGE SWITCH c/w PILOT LIGHT

2-GANG LINE VOLTAGE SWITCH 3-GANG LINE VOLTAGE SWITCH 4-GANG LINE VOLTAGE SWITCH

LOW VOLTAGE DIMMER SWITCH

→D LINE VOLTAGE DIMMER SWITCH

₩2 LINE VOLTAGE TWO POLE SWITCH ₩3 LINE VOLTAGE THREE WAY SWITCH + ← 4 | LINE VOLTAGE FOUR WAY SWITCH

(PC) H(PC) | PHOTOCELL (EXTERIOR, TYPE AS INDICATED)

(PC) HPC) DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)

DOM OF LAMPS AS SHOWN) ₩ALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)

CLOCK SYMBOLS

EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)

COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

WALL MOUNTED SINGLE FACED CLOCK

WALL MOUNTED DOUBLE FACED CLOCK

CEILING MOUNTED SINGLE FACED CLOCK

CEILING MOUNTED DOUBLE FACED CLOCK

₩ T TIMER SWITCH

₩ KEY OPERATED SWITCH → 3-POSITION LIGHT SWITCH

HET | ELAPSED TIME CLOCK

●ET | ELAPSED TIME CLOCK CONTROLLER

CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICAT WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED

## EMERGENCY LIGHTING EQUIPMENT SCHEDULE

- EMERGENCY BATTERY PACK SHALL BE LUMACELL RG24S72HP SERIES C/W TWO LIGHT HEADS WITH LD13.
- ALL EMERGENCY LIGHT REMOTE HEADS SHALL BE LUMACELL MQM SERIES
- ALL WALL/CEILING MOUNTED LED EXIT LIGHT C/W DIRECTIONAL ARROWS AS SHOWN ON THE DRAWINGS. EXIT LIGHT ADJACENT TO ROOM 136 AREA SHALL BE BEGHELLI FORTE RM VANDAL RESISTANT SINGLE SIDE CATALOGUE # FR-RM-L-1-OLR. AND DOUBLE SIDE CATALOGUE
- ALL WALL/CEILING MOUNTED LED EXIT LIGHT C/W DIRECTIONAL ARROWS AS SHOWN ON THE DRAWINGS. EXIT LIGHT IN ADMIN AREA SHALL BE THOMAS AND BETTS RA SERIES SINGLE SIDE CATALOGUE # RA-1-W-U AND DOUBLE SIDE CATALOGUE # RA-2-W-U

RS RADIO SPEAKER

- ELECTRICAL CONTRACTOR SIZE THE BATTERY PACK WITH 25% SPARE CAPACITY AND 60 MINUTE RUNTIME.
- APPROVED EQUIPMENT PRODUCTS SHALL BE "THOMAS AND BETTS" OR APPROVED EQUAL.

### SECURITY NOTES

- SECURITY CONDUIT BY ELECTRICAL/ SECURITY SYSTEM WIRE/PULLING WIRE/TERMIATIONS/CAMERA'S/DOOR CONTACTS/MAIN SECURITY PANEL/ALL COMPONENT AND PARTS TO MAKE A COMPLETE SYSTEM BY CONVERGINT TECHNOLOGIES.
- CONVERGINT TO SUPPLY AND INSTALL ALARM SYSTEM, HEAD END, WIRING AND TERMINATIONS. OWNER TO CARRY COSTS OF CONVERGINT. SUPPLY AND INSTALL SECURITY CONDUIT BY ELECTRICAL CONTRACTOR. COST OF CONVERGINT INSTALLATION IS \$17,000

### COMMUNICATIONS NOTES

- ALL CONDUITS TO BE ELECTRICAL METALLIC TUBING (EMT). EMT COUPLING AND CONNECTORS SHALL BE T&B STEEL, SETSCREW
- REAM AND REMOVE ANY SHARP PROJECTIONS ON ALL CONDUITS.
- ALL CONDUITS SHALL BE RUN IN THE MOST DIRECT ROUTE POSSIBLE PARALLEL OR PERPENDICULAR TO BUILDING LINES WITH

PULLBOXES, FITTINGS OR JUNCTION BOXES SHALL BE PROVIDED IN

- COMMUNICATIONS CONDUIT RUNS ON THE BASIS OF NOT MORE THAN TWO (2) RIGHT ANGLE BENDS OR THEIR EQUIVALENT. THERE SHALL NOT BE MORE THAN 30m (100ft), IN STRAIGHT RUNS BETWEEN BOXES. PULLBOXES TO BE SIZED TO MEET CODE REQUIREMENTS. COMMUNICATIONS CONDUITS WITH AN INTERNAL DIAMETER OF 53mm
- (2in) OR LESS SHALL HAVE A BEND RADIUS AT LEAST SIX(6) TIMES THE INTERNAL CONDUIT DIAMETER. CONDUITS WITH AN INTERNAL DIAMETER OF GREATER THAN 53mm (2in) SHALL HAVE A BEND RADIUS AT LEAST TEN (10) TIMES THE INTERNAL CONDUIT DIAMETER.
- SEE FRONT END DOCUMENTS FOR PWGSC GOVERNMENT OF CANADA WIRING SPECIFICATIONS FOR AUGMENTED CAT 6 2015-02-17.
- 7. USE OWNER APPROVED VENDOR TO INSTALL DATA/VOICE CABLING. 8. ALL CAT 6A WIRE TO HAVE FT6 JACKET.
- 9. ALL EMPTY CONDUIT SHALL BE C/W PULL STRING.

ALL ELECTRICAL MATERIALS AND INSTALLATIONS SHOWN AND/OR SPECIFIED SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND SHALL COMPLY IN STRICT ACCORDANCE WITH THE LATEST EDITION OF C.S.A. STANDARDS AND THE C.E.C.

ELECTRICAL GENERAL NOTES

DRAWINGS DEPICT GENERAL DEVICE LOCATIONS ONLY. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS

AND DETAILS FOR EXACT LOCATIONS.

- ALL CONDUIT WORK, WIRING AND JUNCTION BOXES AS MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL
- ELECTRICAL CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS AT
- PROJECT COMPLETION.
- MAXIMUM VOLTAGE DROP SHALL BE 3%. ELECTRICAL CONTRACTOR SHALL SIZE WIRES TO SUIT.
- ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING LINES. ALL CONDUIT RUNS ARE TO BE APPROVED PRIOR TO
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT PRIOR TO
- PROVIDE LAMACOID LABELS FOR ANY SPECIAL PURPOSE SWITCHES OR RECEPTACLES C/W PANEL FEED, VOLTAGE, CIRCUIT NUMBERS.

PROVIDE LABELS FOR ALL EQUIPMENT, SWITCHES, RECEPTACLES

AND FEEDERS C/W PANEL FEED AND CIRCUIT NUMBERS. THE ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS FOR RACEWAY, CABLES AND ALL OTHER PENETRATIONS MADE BY THE ELECTRICAL CONTRACTOR THROUGH FIRE RATED ASSEMBLIES TO

PREVENT THE SPREAD OF SMOKE AND FIRE. A SYSTEM LISTED IN

ULC-FS, FIRESTOP SYSTEMS AND COMPONENTS SHALL BE USED

TO MAINTAIN THE FIRE RATING OF THE ASSEMBLIES. 10. THE ELECTRICAL CONTRACTOR SHALL USE STI EASY PATH FOR PENETRATION MADE FOR DATA CABLING. THE CAPACITY OF EASY

# SYMBOL SCHEDULE

LIGHTING PLAN SYMBOLS		POWER PLAN SYMBOLS		FIRE ALARM SYMBOLS		ABBREVIATIONS
SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 1'x4'	₩	DUPLEX 5-15R RECEPTACLE	F	FIRE ALARM MANUAL STATION	EX	EXISTING DEVICE TO REMAIN
SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x4'	₩GF	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFCI PROTECTION	FO	FIRE ALARM BELL	RE	REMOVE EXISTING DEVICE
Total meaning on each ended resolution with a second of the second of th	₩	DUPLEX 5-20R RECEPTACLE, T-SLOT	□⊲pz	FIRE ALARM PIEZO (MINI) SOUNDER	RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x2'	<del>□Ø</del>	CAR HEATER POST MOUNTED DUPLEX 5-20R RECEPTACLE	□⊲EH	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME	RL	RELOCATE EXISTING DEVICE
RECESSED FLUORESCENT LUMINAIRE, 1'x4'	Ю	SINGLE 5-15R RECEPTACLE	⊠⊲EH	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME c/w STROBE	ER	EXISTING DEVICE IN RELOCATED POSITION
RECESSED FLUORESCENT LUMINAIRE, 2'x4'	₩	SPLIT CIRCUIT DUPLEX 5-15R RECEPTACLE	□⊲HS	FIRE ALARM HORN SPEAKER	AFF	ABOVE FINISHED FLOOR
RECESSED FLUORESCENT LUMINAIRE, 2'x2'	₩	TWO DUPLEX 5-15R RECEPTACLES	□⊲cs	FIRE ALARM CONE SPEAKER	AFG	ABOVE FINISHED GRADE
FLUORESCENT STRIP LUMINAIRE, 4'	Ю	SPECIAL RECEPTACLE (TYPE AS INDICATED)	⊠⊲cs	FIRE ALARM CONE SPEAKER c/w STROBE	вмѕ	BUILDING MANAGEMENT SYSTEM
FLUORESCENT STRIP LUMINAIRE, 4  FLUORESCENT STRIP LUMINAIRE, 3'	<₽	REEL CORD RECEPTACLE (TYPE AS INDICATED)	×	CEILING MOUNTED REMOTE EVACUATION STROBE		
☐ FLUORESCENT STRIP LUMINAIRE, 2'	lacksquare	FLOOR MOUNTED DUPLEX 5-15R RECEPTACLE	<del> </del>	WALL MOUNTED REMOTE EVACUATION STROBE		
WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 4'	lacksquare	TWO FLOOR MOUNTED DUPLEX 5-15R RECEPTACLES		CARBON MONOXIDE ALARM	СМ	COFFEE MACHINE
WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 3'	<b>O</b>	CEILING MOUNTED DUPLEX 5-15R RECEPTACLE		FIRE ALARM HEAT DETECTOR (RATE OF RISE UNLESS OTHERWISE INDICATED)	DIC	DICTATION
□ WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 2'		TWO CEILING MOUNTED DUPLEX 5-15R RECEPTACLES	<u> </u>	FIRE ALARM SMOKE DETECTOR	DW	DISHWASHER
RECESSED LUMINAIRE / POT LIGHT, 6" DIAMETER OR LARGER	PP	SERVICE COLUMN / PACK POLE (OUTLETS AS INDICATED)	②DS	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED	FAX	FAX MACHINE
RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER	<u> </u>	UTILITY POLE (TYPE AS INDICATED)	②SA	SMOKE ALARM	GF	GROUND FAULT
SURFACE MOUNTED OR SUSPENDED LUMINAIRE	0	CEILING MOUNTED JUNCTION BOX	— ( <u>)</u>	FLAME DETECTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
STEP OR WALL MOUNTED LUMINAIRE	H)	WALL MOUNTED JUNCTION BOX	FAA	FIRE ALARM ANNUNCIATOR PANEL	HK	HOUSEKEEPING
BOLLARD OR IN-GROUND LUMINAIRE	J	FLOOR MOUNTED JUNCTION BOX	FACP	FIRE ALARM CONTROL PANEL	HFF	HANDS FREE FIXTURE
RECESSED ADJUSTABLE LUMINAIRE ARRAY (# OF HEADS AS SHOWN)		POWER PANELBOARD	CACF	CENTRAL ALARM & CONTROL FACILITY	OC ID	ON CENTER
POLE MOUNTED LUMINAIRE (SINGLE HEAD)		PANEL (TYPE AS INDICATED — SECURITY, LIGHTING RELAY, ETC.)  SURFACE RACEWAY (TYPE AS INDICATED)		FIRE ALARM EMERGENCY TELEPHONE	JB	JUNCTION BOX
POLE MOUNTED LUMINAIRE (DOUBLE HEAD)		PUSHBUTTON (TYPE AND WIRING AS INDICATED)	RFA	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE  FIRE ALARM RELAY	MCC	MOTOR CONTROL CENTER  MICROWAVE
<u> </u>		GROUND BUS BAR	EOL	FIRE ALARM END OF LINE RESISTOR	MW NC	NORMALLY CLOSED
LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)		ROOM REFERENCE GROUND BUS	[ISO]	FIRE ALARM FAULT ISOLATION MODULE	NO NO	NORMALLY OPEN
		MOTOR	CM	FIRE ALARM CONTROL MODULE	IG	ISOLATED GROUND
		MOTOR c/w DISCONNECT SWITCH	MM	FIRE ALARM MONITOR MODULE	PACS	PICTURE ARCHIVING COMMUNICATION SYSTEM
DIRECTIONAL / AIMED LUMINAIRE (ARROW INDICATES DIRECTION)	<u> </u>	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER	PS	FIRE ALARM CONNECTION TO PRESSURE SWITCH	PEC	PHOTO CELL
		DISCONNECT SWITCH	FS	FIRE ALARM CONNECTION TO FLOW SWITCH	PTR	PRINTER
CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)	□ □	FUSED DISCONNECT SWITCH	TS	FIRE ALARM CONNECTION TO TAMPER SWITCH	RB	RELAY BASE
WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)	$\boxtimes$	MAGNETIC MOTOR STARTER	LS	FIRE ALARM CONNECTION TO LEVEL SWITCH	REF	REFRIGERATOR
▼ TRACK LIGHT (# OF HEADS AS SHOWN, LENGTH AS INDICATED)	T	THERMOSTAT		SECURITY/ACCESS CONTROL SYMBOLS	SB	SOUNDER BASE
LINE VOLTAGE SWITCH (120V TO 347V)	<del>-c&gt;</del> MP	MANUAL MOTOR STARTER c/w PILOT LIGHT		WALL MOUNTED SECURITY CAMERA	SPD	SURGE PROTECTIVE DEVICE
≥ 2-GANG LINE VOLTAGE SWITCH	E	CONDUIT STUB		WALL MOUNTED SECURITY CAMERA, FIXED	TR	TAMPER RESISTANT
3-GANG LINE VOLTAGE SWITCH	Θ—	CONDUIT UP			TV	TELEVISION
4-GANG LINE VOLTAGE SWITCH	с——	CONDUIT DOWN		CEILING MOUNTED SECURITY CAMERA	TYP	TYPICAL
LOW VOLTAGE SWITCH (30V OR LESS)		TELECOMMUNICATIONS SYMBOLS	<b>ZZZ</b> ⊲F	CEILING MOUNTED SECURITY CAMERA, FIXED	WP	WEATHERPROOF
MULTIPLE LOW VOLTAGE SWITCHES (QUANTITY AS INDICATED)	<b>⋖</b> #	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)	<b>ZZZ</b> ⊲PTZ			INDICATES DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP
LOW VOLTAGE DIMMER SWITCH	₩ #	FLOOR MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)	CR	CARD READER	1   •	COORDINATE EXACT MOUNTING HEIGHT WITH ARCH. DETAIL
D LINE VOLTAGE DIMMER SWITCH	€#	CEILING MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)	[CR]K	CARD READER / KEY PAD COMBINATION	*	INDICATES DEVICE MOUNTED BELOW MILLWORK COUNTERTOP
OS LOW VOLTAGE SWITCH c/w OCCUPANCY SENSOR	∢	INTERCOM STATION	K	SECURITY KEY PAD		COORDINATE EXACT MOUNTING HEIGHT WITH ARCH. DETAIL
LINE VOLTAGE SWITCH c/w OCCUPANCY SENSOR	<b>□</b> -•WAP	WIRELESS ACCESS POINT	KO	KEYSWITCH OVERRIDE	>	INDICATES DEVICE MOUNTED IN FURNITURE SYSTEM
P LINE VOLTAGE SWITCH c/w PILOT LIGHT	€CATV	WALL MOUNTED TELEVISION OUTLET	E	REQUEST-TO-EXIT PUSHBUTTON	<b>&gt;</b>	INDICATES DEVICE MOUNTED ON DATA RACK
LINE VOLTAGE TWO POLE SWITCH	<b>⊜</b> CATV	CEILING MOUNTED TELEVISION OUTLET	P	PANIC/DURESS PUSHBUTTON		GENERAL SYMBOLS
LINE VOLTAGE THREE WAY SWITCH	<b></b> CATV	FLOOR MOUNTED TELEVISION OUTLET	BK	BUZZER AND KEYSWITCH FOR LOCAL ALARM	(#)	NOTE REFERENCE
LINE VOLTAGE FOUR WAY SWITCH	<b>⊲</b> R	RADIO REMOTE	ML	ELECTROMAGNETIC LOCK	<i>##</i> ###	EQUIPMENT REFERENCE
TIMER SWITCH  KEY OPERATED SWITCH	✓F	FIBRE OPTIC OUTLET		ELECTRIFIED DOOR HARDWARE		REVISION NUMBER
→ 3-POSITION LIGHT SWITCH		CABLE TRAY, AS INDICATED	DP G	DOOR POSITION SWITCH		
CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)	PUI	BLIC ADDRESS & AUDIO-VISUAL SYMBOLS	(RE)	REQUEST-TO-EXIT MOTION SENSOR	##	WIRING HOME RUN
WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)	P	CEILING MOUNTED SPEAKER		PUSHBUTTON PUSHBUTTON		
PHOTOCELL (EXTERIOR, TYPE AS INDICATED)	ю	WALL MOUNTED SPEAKER		PUSHBUTTON C/W KEYED RESET  CEILING MOUNTED SECURITY MOTION DETECTOR		
PCD DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)	®⊲	CEILING MOUNTED HORN SPEAKER	— ∰360°	CEILING MOUNTED SECURITY MOTION DETECTOR  CEILING MOUNTED SECURITY MOTION DETECTOR (360 DEGREES)		
EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)	₽	WALL MOUNTED HORN SPEAKER		WALL MOUNTED SECURITY MOTION DETECTOR		
○ CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)	⊠M	FLOOR MOUNTED MICROPHONE XLR JACK		GLASS BREAK DETECTOR		
∠ WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)	✓M	WALL MOUNTED MICROPHONE XLR JACK		ALARM SIREN		
COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK	ØM □□⊲	CEILING MOUNTED MICROPHONE XLR JACK				
<u>'</u>		HORN				
CLOCK SYMBOLS		CHIME BUZZER	$\dashv \vdash $			
WALL MOUNTED SINGLE FACED CLOCK	₩.		$\dashv$		]	
WALL MOUNTED DOUBLE FACED CLOCK		VOLUME CONTROL  FLOOR MOUNTED AUDIO / VIDEO MACK (TYPE AS INDICATED)	$\dashv$		]	
CEILING MOUNTED BOURIE FACED CLOCK	<b>⊠</b> AV	FLOOR MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)				
CEILING MOUNTED DOUBLE FACED CLOCK		WALL MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)	$\dashv$ $\mid$			
ELAPSED TIME CLOCK	S) AV	CEILING MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)	<b></b>			

325 - 25 ST SE CALGARY, AB T2A 7H8 Tel: (403) 716.8000 / Fax: (403) 716.8049 www.stantec.com

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Appd YYYY.MM.DD TJS 2016.01.29 By Appd YYYY.MM.DD

Permit-Seal



PERMIT NUMBER: P 0258

Client/Project

GOVERNMENT OF CANADA ELK POINT - NEW BUILDING

54 STREET AND RAILWAY AVENUE

ELK POINT, ALBERTA

ELECTRICAL SYMBOL LEGEND, NOTES AND DRAWING LIST

Project No. 144202690

Revision

Sheet

as shown Drawing No.

EMERGENCY LIGHTING EQUIPMENT SCHEDULE

- EMERGENCY BATTERY PACK SHALL BE LUMACELL RG24S72HP SERIES C/W
- TWO LIGHT HEADS WITH LD13. ALL EMERGENCY LIGHT REMOTE HEADS SHALL BE LUMACELL MQM SERIES
- ALL WALL/CEILING MOUNTED LED EXIT LIGHT C/W DIRECTIONAL ARROWS AS SHOWN ON THE DRAWINGS. EXIT LIGHT ADJACENT TO ROOM 136 AREA SHALL BE BEGHELLI FORTE RM VANDAL RESISTANT SINGLE SIDE CATALOGUE # FR-RM-L-1-OLR. AND DOUBLE SIDE CATALOGUE
- ALL WALL/CEILING MOUNTED LED EXIT LIGHT C/W DIRECTIONAL ARROWS AS SHOWN ON THE DRAWINGS. EXIT LIGHT IN ADMIN AREA SHALL BE THOMAS AND BETTS RA SERIES SINGLE SIDE CATALOGUE # RA-1-W-U AND DOUBLE SIDE CATALOGUE # RA-2-W-U

- ELECTRICAL CONTRACTOR SIZE THE BATTERY PACK WITH 25% SPARE
- APPROVED EQUIPMENT PRODUCTS SHALL BE "THOMAS AND BETTS" OR

### SECURITY NOTES

- SECURITY CONDUIT BY ELECTRICAL/ SECURITY SYSTEM WIRE/PULLING WIRE/TERMIATIONS/CAMERA'S/DOOR CONTACTS/MAIN SECURITY PANEL/ALL COMPONENT AND PARTS TO MAKE A COMPLETE SYSTEM BY CONVERGINT TECHNOLOGIES.
- CONVERGINT TO SUPPLY AND INSTALL ALARM SYSTEM, HEAD END, WIRING AND TERMINATIONS. OWNER TO CARRY COSTS OF CONVERGINT. SUPPLY AND INSTALL SECURITY CONDUIT BY ELECTRICAL CONTRACTOR. COST OF CONVERGINT INSTALLATION IS \$17,000

## COMMUNICATIONS NOTES

- ALL CONDUITS TO BE ELECTRICAL METALLIC TUBING (EMT). EMT COUPLING AND CONNECTORS SHALL BE T&B STEEL, SETSCREW
- REAM AND REMOVE ANY SHARP PROJECTIONS ON ALL CONDUITS.
- POSSIBLE PARALLEL OR PERPENDICULAR TO BUILDING LINES WITH
- TWO (2) RIGHT ANGLE BENDS OR THEIR EQUIVALENT. THERE SHALL NOT BE MORE THAN 30m (100ft), IN STRAIGHT RUNS BETWEEN BOXES. PULLBOXES TO BE SIZED TO MEET CODE REQUIREMENTS.
- (2in) OR LESS SHALL HAVE A BEND RADIUS AT LEAST SIX(6) TIMES THE INTERNAL CONDUIT DIAMETER. CONDUITS WITH AN INTERNAL DIAMETER OF GREATER THAN 53mm (2in) SHALL HAVE A BEND
- WIRING SPECIFICATIONS FOR AUGMENTED CAT 6 2015-02-17.

ALL ELECTRICAL MATERIALS AND INSTALLATIONS SHOWN AND/OR SPECIFIED SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND SHALL COMPLY IN STRICT ACCORDANCE WITH THE LATEST EDITION OF C.S.A. STANDARDS AND THE C.E.C.

ELECTRICAL GENERAL NOTES

DRAWINGS DEPICT GENERAL DEVICE LOCATIONS ONLY. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS

AND DETAILS FOR EXACT LOCATIONS.

- ALL CONDUIT WORK, WIRING AND JUNCTION BOXES AS MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL
- ELECTRICAL CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS AT
- PROJECT COMPLETION.
- MAXIMUM VOLTAGE DROP SHALL BE 3%. ELECTRICAL CONTRACTOR SHALL SIZE WIRES TO SUIT.
- ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING LINES. ALL CONDUIT RUNS ARE TO BE APPROVED PRIOR TO
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT PRIOR TO
- PROVIDE LAMACOID LABELS FOR ANY SPECIAL PURPOSE SWITCHES OR RECEPTACLES C/W PANEL FEED, VOLTAGE, CIRCUIT NUMBERS.

PROVIDE LABELS FOR ALL EQUIPMENT, SWITCHES, RECEPTACLES

- AND FEEDERS C/W PANEL FEED AND CIRCUIT NUMBERS. THE ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS FOR RACEWAY, CABLES AND ALL OTHER PENETRATIONS MADE BY THE ELECTRICAL CONTRACTOR THROUGH FIRE RATED ASSEMBLIES TO PREVENT THE SPREAD OF SMOKE AND FIRE. A SYSTEM LISTED IN
- ULC-FS, FIRESTOP SYSTEMS AND COMPONENTS SHALL BE USED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLIES. 10. THE ELECTRICAL CONTRACTOR SHALL USE STI EASY PATH FOR PENETRATION MADE FOR DATA CABLING. THE CAPACITY OF EASY

ORIGINAL SHEET - ARCH D (24"x36")

ELECTRICAL DRAWING LIST

RECESSED FLUORESCENT LUMINAIRE, 1'x4'

FLUORESCENT STRIP LUMINAIRE, 4'

FLUORESCENT STRIP LUMINAIRE, 3'

FLUORESCENT STRIP LUMINAIRE, 2'

WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 4' WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 3'

RECESSED ADJUSTABLE LUMINAIRE ARRAY (# OF HEADS AS SHOWN)

TRACK LIGHT (# OF HEADS AS SHOWN, LENGTH AS INDICATED)

←D | LINE VOLTAGE DIMMER SWITCH

←2 LINE VOLTAGE TWO POLE SWITCH

₩3 LINE VOLTAGE THREE WAY SWITCH + ← 4 | LINE VOLTAGE FOUR WAY SWITCH

(PC) H(PC) | PHOTOCELL (EXTERIOR, TYPE AS INDICATED)

(PC) HPC) DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)

DOM OF CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN) ₩ALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)

EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)

COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

₩ T TIMER SWITCH

₩ KEY OPERATED SWITCH → 3-POSITION LIGHT SWITCH

HET | ELAPSED TIME CLOCK

●ET | ELAPSED TIME CLOCK CONTROLLER

→ POLE MOUNTED LUMINAIRE (SINGLE HEAD) POLE MOUNTED LUMINAIRE (DOUBLE HEAD)

E001 ELECTRICAL SYMBOL LEGEND, NOTES, AND DRAWING LIST
E100 ELECTRICAL SITE PLAN
E200 MAIN FLOOR PLAN - LIGHTING
E300 MAIN FLOOR PLAN - POWER, COMMUNICATIONS AND SECURITY
E301 MAIN FLOOR PLAN - SYSTEM
E400 ELECTRICAL SINGLE LINE DIAGRAM AND SCHEDULES
E401 ELECTRICAL SCHEDULES
E5000 ELECTRICAL DETAILS

APPROVED EQUAL.

RS RADIO SPEAKER

PULLBOXES, FITTINGS OR JUNCTION BOXES SHALL BE PROVIDED IN

ALL CONDUITS SHALL BE RUN IN THE MOST DIRECT ROUTE

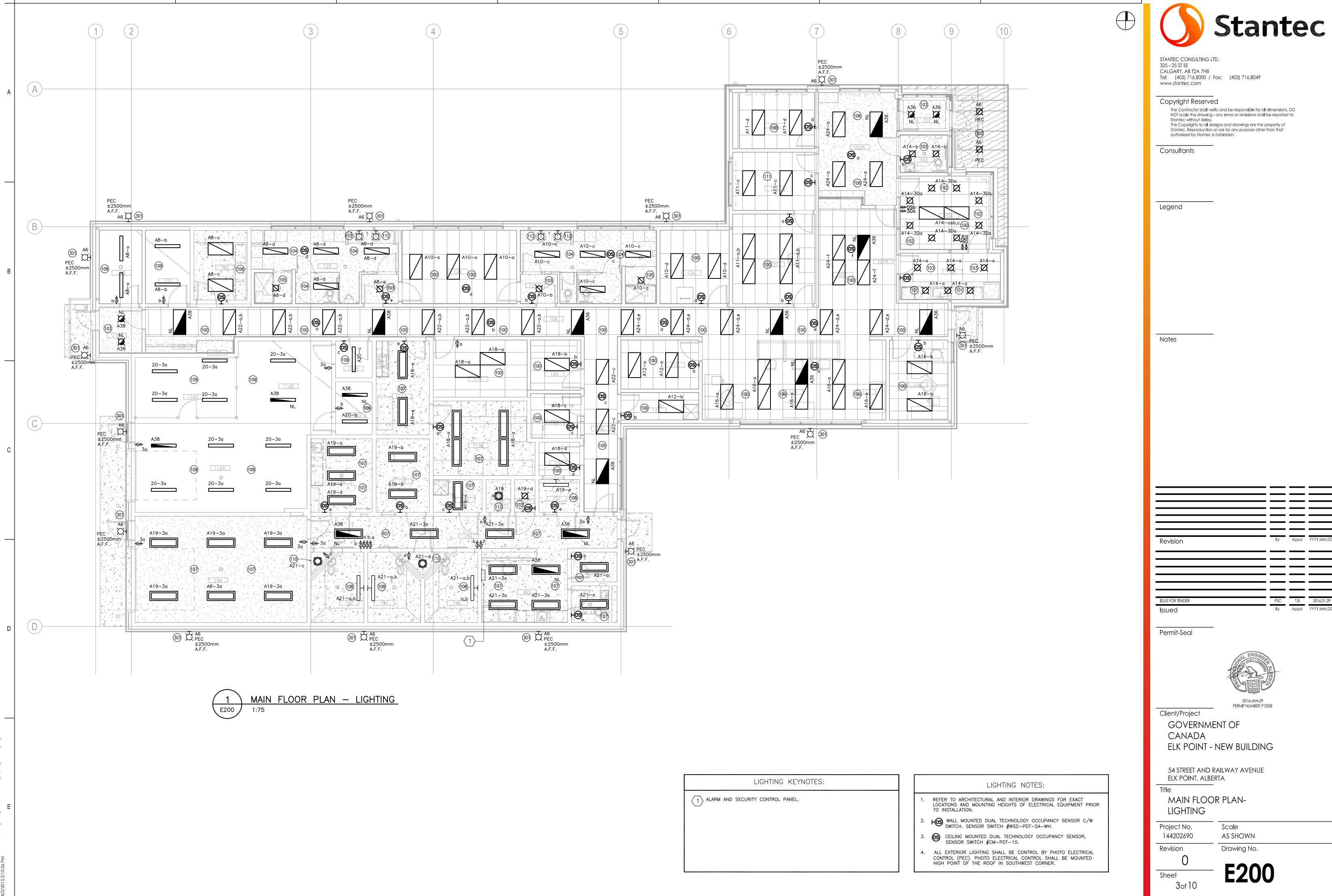
COMMUNICATIONS CONDUIT RUNS ON THE BASIS OF NOT MORE THAN COMMUNICATIONS CONDUITS WITH AN INTERNAL DIAMETER OF 53mm

RADIUS AT LEAST TEN (10) TIMES THE INTERNAL CONDUIT DIAMETER. SEE FRONT END DOCUMENTS FOR PWGSC GOVERNMENT OF CANADA

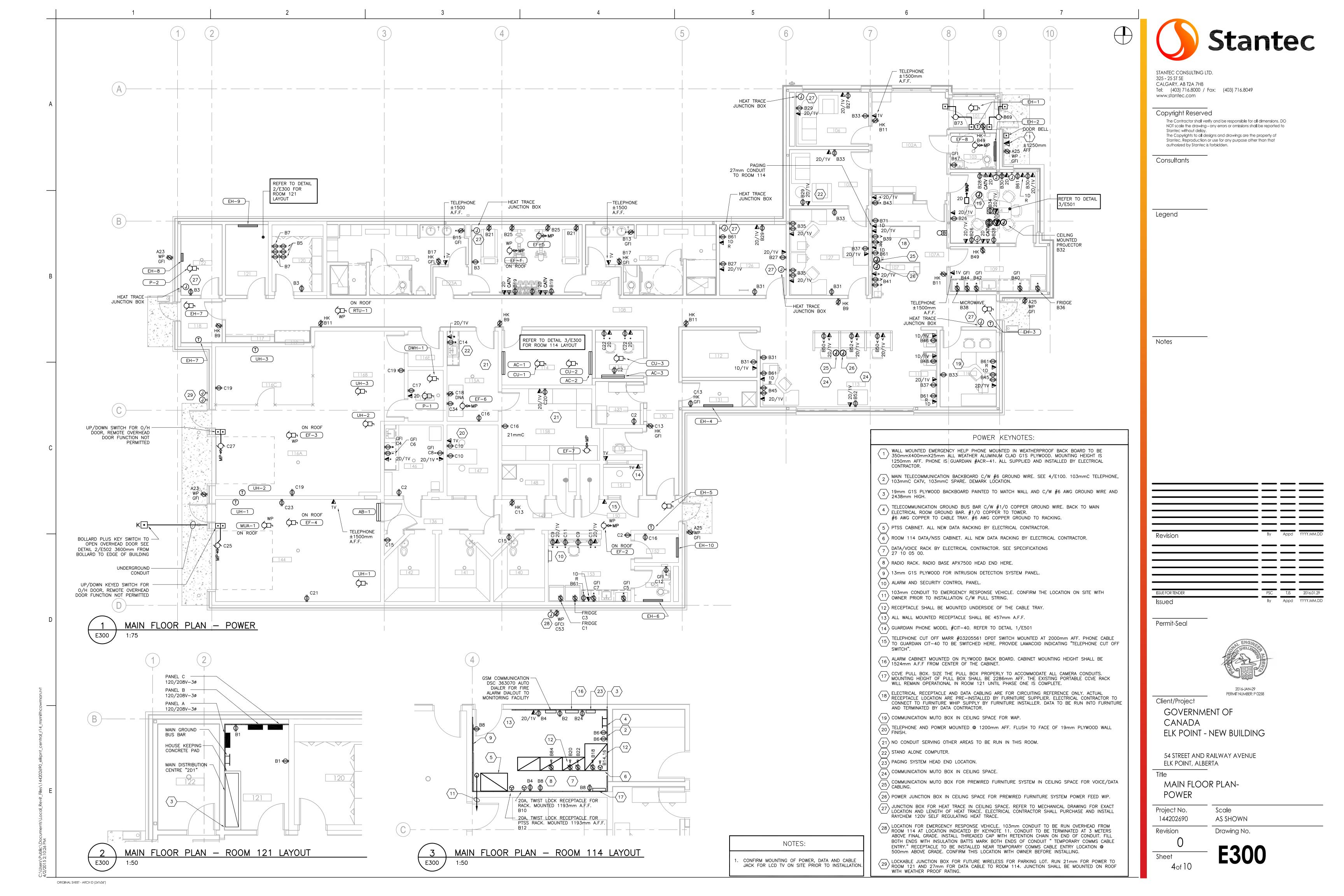
7. USE OWNER APPROVED VENDOR TO INSTALL DATA/VOICE CABLING. 8. ALL CAT 6A WIRE TO HAVE FT6 JACKET.

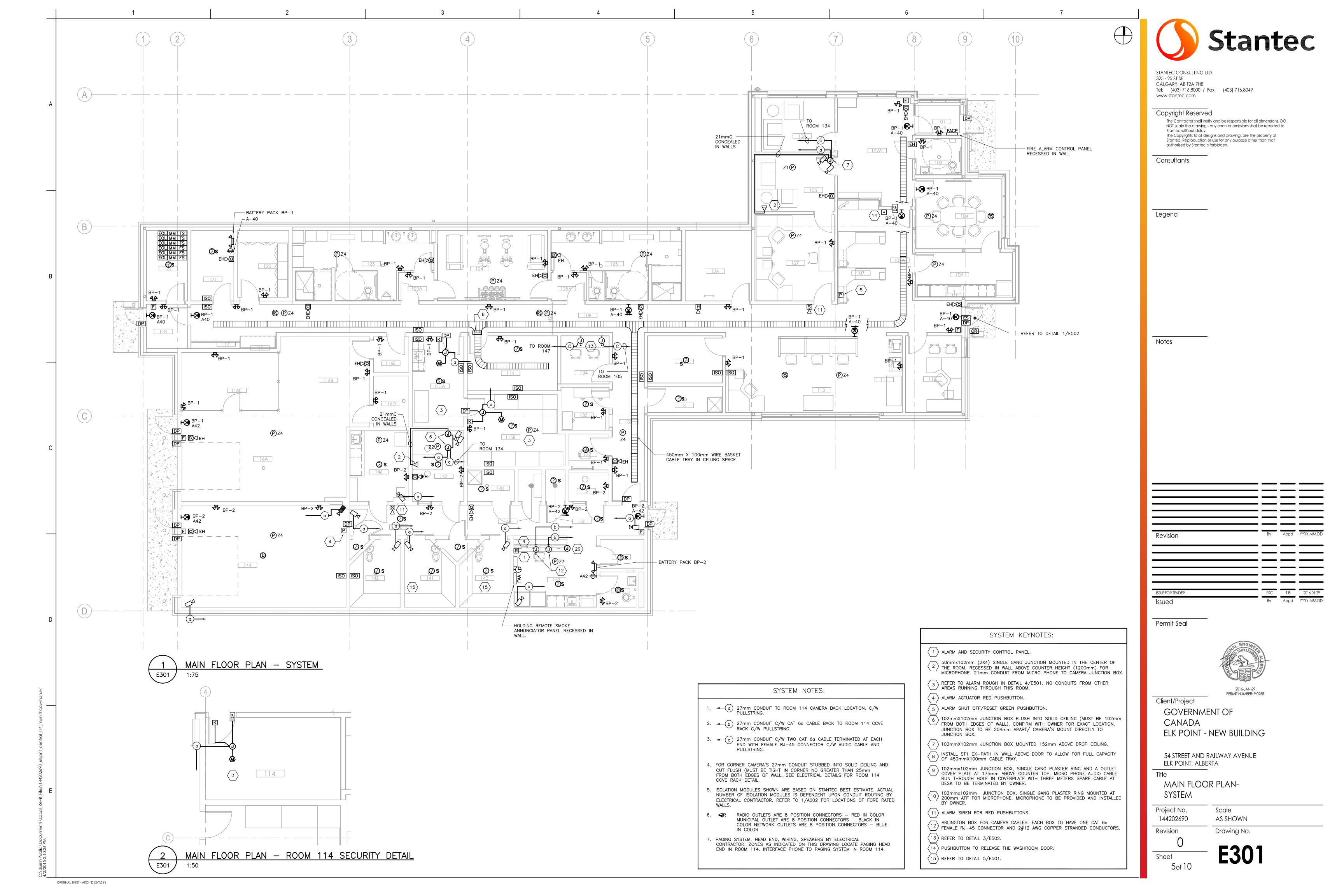
9. ALL EMPTY CONDUIT SHALL BE C/W PULL STRING.

PATH TO MATCH WITH CAPACITY OF CABLE TRAY.



ORIGINAL SHEET - ARCH D (24"x36")





Mounting :		Surface VOLTAGE	120/208 V			٧			BUS RAT. :	225 A
		PHASES	3		3			MAIN BRKR:		
Panel Loc:		ELEC. ROOM 121 WIRE			4				INTERRUPT.	
		CIRCUITS	3		42				CAPACITY:	Α
rint	Date:	Feb 2, 2016 01:48 PM								
CCT		LOAD	KVA	BRK	Р	BRK	KVA		LOAD	С
		Description	````	SIZE	Н	SIZE	INVA	Туре		
1	REC.	Car Heater Receptacles	1.30	20	Α	15	0.80	LTG.	Exterior Lights	
3	REC.	Car Heater Receptacles	1.30	20	В	15	0.67	LTG.	Exterior Lights	
5	REC.	Car Heater Receptacles	1.30	20	С	15	0.40	LTG.	Exterior Wall Mounted Lights	
7	REC.	Car Heater Receptacles	1.30	20	A	15	0.81	LTG.	Lighting In Admin Area	
9	REC.	Car Heater Receptacles	1.30	20	В	15	0.77	LTG.	Lighting In Admin Area	
11	REC.	Car Heater Receptacles	1.30	20	С	15	0.77	LTG.	Lighting In Admin Area	
13	REC.	Car Heater Receptacles	1.30	20	Α	15	0.73	LTG.	Lighting In Admin Area	,
15	REC.	Car Heater Receptacles	1.30	20	В	15	0.63	LTG.	Lighting In Admin Area	
17	REC.	Car Heater Receptacles	1.30	20	С	15	0.77	LTG.	Lighting In Admin Area	
19	LTG.	Lighting	0.95	15	Α	15	0.84	LTG.	Lighting In Admin Area	
21	LTG.	Lighting	0.86	15	В	15	0.70	LTG.	Corridor Lights	1
23	REC.	Exterior Building Receptacles	0.20	20	С	15	0.70	LTG.	Corridor Lights	2
25	REC.	Exterior Building Receptacles	0.20	20	Α	15	0.30	LTG.	Lights	2
27	REC.	Receptacles	0.40	15	В	15			Spare	2
29	REC.	Receptacle	0.30	20	С	15			Spare	3
31	ОТН.	Signage Junction Box	0.05	15	Α	15			Spare	3
33		Spare		15	В					;
35		Spare		15	С	15	0.60	LTG.	Nite Lights	;
37		Spare		15	Α	15	0.67	LTG.	Nite Lights	
39					В	15		отн.	Exit Light / Battery Pack BP-1 & BP-3	
41					С	15		отн.	Exit Light / Battery Pack BP-2	

Mounting :		Surface		120	/208	V			BUS RAT. :	225	Α	
Panel Loc:			PHASES			3				MAIN BRKR:		
		ELEC. ROOM 121	WIRE			4				NTERRUPT.		
		Feb 2, 2016	CIRCUITS			84				CAPACITY:		
	Duto.	02:21 PM										
ст		LOAD		KVA	BRK	Р	BRK	KVA		LOAD		СС
No	Туре	Description			SIZE	Н	SIZE		Туре	Description		N
1	REC.	Room 121 Receptacles		0.40	15	Α	15	0.10	REC.	Auto Dialer		2
3	REC.	Convenience Receptacles		0.60	15	В	15	0.40	REC.	Room 114 Receptacles		4
5	REC.	Room 120 Receptacles		0.60	15	С	15	0.40	REC.	Room 114 Receptacles		6
7	REC.	Room 120 Receptacles		0.60	15	Α	15	0.60	REC.	Paging		8
9	REC.	House Keeping Receptacles		2.00	20	В	20	1.70	REC.	2 Pole Twist Lock Receptacle		1
11	REC.	House Keeping Receptacles		2.00	20	С	2p	1.70	REC.	2 Pole Twist Lock Receptacle		1
13	REC.	Room 125 Counter Receptacle		0.50	15	Α	20	1.70	REC.	2 Pole Twist Lock Receptacle		1
15	REC.	Room 123 Counter Receptacle		0.50	15	В	2p	1.70	REC.	2 Pole Twist Lock Receptacle		1
17	REC.	House Keeping Receptacles		1.00	20	С	20	1.40	REC.	Room 144 Data/Nss Cabinet Receptacles		1
19	REC.	LCD Screen		1,00	15	Α	20	1.40	REC.	Data/Voice Rack		2
21	REC	Room 124 Receptacles		0.40	20	В	20	1.40	REC.	Data/Voice Rack		2
23	REC.	Room 124 Receptacles		0.40	20	С	15	0.40	REC.	Alarm Cabinet		2
25	REC.	Room 124 Receptacles		0.40	20	A	15	0.40	REC.	Room 104 Receptacles		2
	REC.	Room 126, 106 Receptacles				В	15	1.00	REC.	LCD Screen Room 104		
27		Room 126, 105 Receptacles		0.60	15	С				Room 104 Receptacles		2
9	REC.			0.60	15	A	15	0.40	REC.	· ·		3
31	REC.	Convenience Receptacles		0.40	15	В	15	0.50	REC.	Room 104 Receptacles		3
33	REC.	Convenience Receptacles		0.40	15		15	0.30	REC.	Room 104 Receptacles		3
35	REC.	Work Station Room 127		0.60	15	C	20	1.00	REC.	Fridge		3
37	REC.	Work Station Room 127, 111		0.60	15	Α	20	1.00	REC.	Microwave		3
39	REC.	Open Work Station Receptacle		0.60	15	В	20	1.00	REC.	Counter Receptacle T-Slot		4
41	REC.	Open Work Station Receptacle		0.60	15	С	20	1.00	REC.	Counter Receptacle T-Slot		4
13	REC.	Open Work Station Receptacle		0.30	15	Α	20	1.00	REC.	Counter Receptacle T-Slot		4
45	REC.	Work Station		0.60	15	В	20	1.00	REC.	Printer Room 113		4
47	REC.	Wash Room Receptacle		0.80	15	С	20	1.00	REC.	Printer Room 113		4
49	REC.	House Keeping Receptacles		0.40	20	Α	15	0.60	REC.	Work Station Receptacle		5
51	MTR.	EF-1, EF-5 & EF-8		0.95	15	В	15	0.60	REC.	Work Station Receptacle		5
53	MTR.	EH-2		0.38	15	С	15	0.50	HTR.	EH-9		5
55	MTR.			0.80	2P	Α	2P	0.50	HTR.			5
57	HTR.	EH-4		0.63	20	В						5
59	HTR.			0.63	2P	С						6
61	REC.	Radio Remote		0.50	15	Α	30	2.00	HTR.	EH-1		6
3	HTR.	Heat Trace		1.25	20	В		2.00	HTR.			6
5	HTR.	Heat Trace		1.25	20	С	3P	2.00	HTR.			6
57	HTR.	Heat Trace		1.25	20	Α	30	2.00	HTR.	EH-3		6
9	HTR.	Heat Trace		1.25	20	В		2.00	HTR.			7
71	HTR.	Heat Trace		1.25	20	С	3P	2.00	HTR.			7
73	ОТН.	Barrier Free			15	Α	15			Spare		7
75	REC.	Paging		0.60	15	В	15			Spare		7
77		Spare			15	С	15			Spare		7
79		Spare			15	Α						8
81		Spare			15	В						8
83						С	20		REC.	Radio Base Station		8

Mounting : Panel Loc: Print Date:		<b>ELEC. ROOM 121</b> Feb 2, 2016 01:48 PM	VOLTAGE PHASES WIRE CIRCUITS		120	0/208 3 4 84	V		BUS RAT. : MAIN BRKR: INTERRUPT. CAPACITY :		225 A	
CCT				1///	BDV	Р	BDK	IZVA		LOAD		
CCT No	Tuna	LOAD		KVA	BRK	Н.	BRK	KVA	Turno	LOAD	CCT	
	Туре	Description			SIZE	''   A	SIZE		Туре	Description Percentage	No.	
1	REC.	Fridge Room 153		1.00	20	<b> </b>	15	0.40	REC.	Convenience Receptacles	2	
3	REC.	Fridge Room 153		1.00	20	В	15	0.50	REC.	Room 146 Receptacle	4	
5	REC.	Counter Receptacle T-Slot		1.00	20	С	15	0.30	REC.	Room 146 Receptacle	6	
7	REC.	Room 153 Receptacles		1.00	20	A	15	0.50	REC.	Room 146 Receptacle	8	
9	REC.	Room 153 Monitors Receptacles		1.00	15	В	15	0.40	REC.	Room 147 Receptacle	10	
11	REC.	Room 153 Monitors Receptacles		1.00	15	С	15	0.50	REC.	Wash Room 154 Receptacle	12	
13	REC.	House Keeping Receptacles		1.00	20	A	15	0.30	REC.	Room 115A Receptacle	14	
15	REC.	Receptacles		0.40	15	В	15	0.60	REC.	Convenience Recetptacles	16	
17	REC.	Room 116D Receptacle		0.40	15	С	20	1.00	REC.	Room 115A Receptacle	18	
19	REC.	Room116A Receptacles		0.60	15	Α	15	0.30	REC.	Room 115B Receptacle	20	
21	REC.	Room 144 Receptacle		0.40	15	В	15	1.00	REC.	Room 134 Receptacle	22	
23	REC.	Room 144 Receptacle		0.40	15	С	15	0.38	HTR.	EH-6	24	
25	MTR.	O/H Door		0.50	20	Α	2P	0.38	HTR.		26	
27	MTR.	O/H Door		0.50	20	В	15	0.74	HTR.	DWH-1	28	
29	MTR.	EF-2		0.70	15	С	15	0.70	MTR.	P-1	30	
31	MTR.	EF-3 & EF-6		0.75	15	Α	15	0.33	MTR.	UH-1, UH-2 & UH-3	32	
33	MTR.	EF-4 & EF-7		0.78	15	В	15	0.24	REC.	Room 115A Receptacles	34	
35	MTR.	AB-1		0.30	15	С	15			Spare	36	
37	HTR.	EH-5		2.00	30	Α	30	2.00	HTR.	EH-8	38	
39	HTR.			2.00		В		2.00	HTR.		40	
41	HTR.			2.00	3P	С	3P	2.00	HTR.		42	
	HTR.	EH-7		2.00	30	Α	45	2.03	MTR.	P-2	44	
	HTR.			2.00		В		2.03	MTR.		46	
47	HTR.			2.00	3P	С	3р	2.03	MTR.		48	
49	MTR	CU-1		2.60	40	A	40	2.60	MTR.	CU-2	50	
	MTR.			2.60	2P	В	2P	2.60	MTR.	002	52	
53	REC.	Temp Comms Cable		1.00	20	С	15	1.40	MTR.	CU-3	54	
55	IKLO.	Spare		1.00	15	A	2P	1.40	MTR.	00-3	56	
57		Spare				В	15			EH-10	58	
		Spare			15	С		0.50	MTR.	Spare		
59		Эраге			15	A	15			Spare	60	
61						В	15			-	62	
63						С	15			Spare	64	
65						A					66	
67						В					68	
69						-					70	
71						C					72	
73						A					74	
75						В					76	
77						С					78	
79						Α					80	
81						В					82	
83						С					84	

PANEL NUMBER: "C"



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Legend

Revision	Ву	Appd	YYYY.MM.DE
		_	
SSUE FOR TENDER	PSC	TJS	2016.01.29
Issued	Ву	Appd	YYYY.MM.DE

Permit-Seal



Client/Project

2016-JAN-29 PERMIT NUMBER: P 0258

GOVERNMENT OF CANADA ELK POINT - NEW BUILDING

54 STREET AND RAILWAY AVENUE ELK POINT, ALBERTA

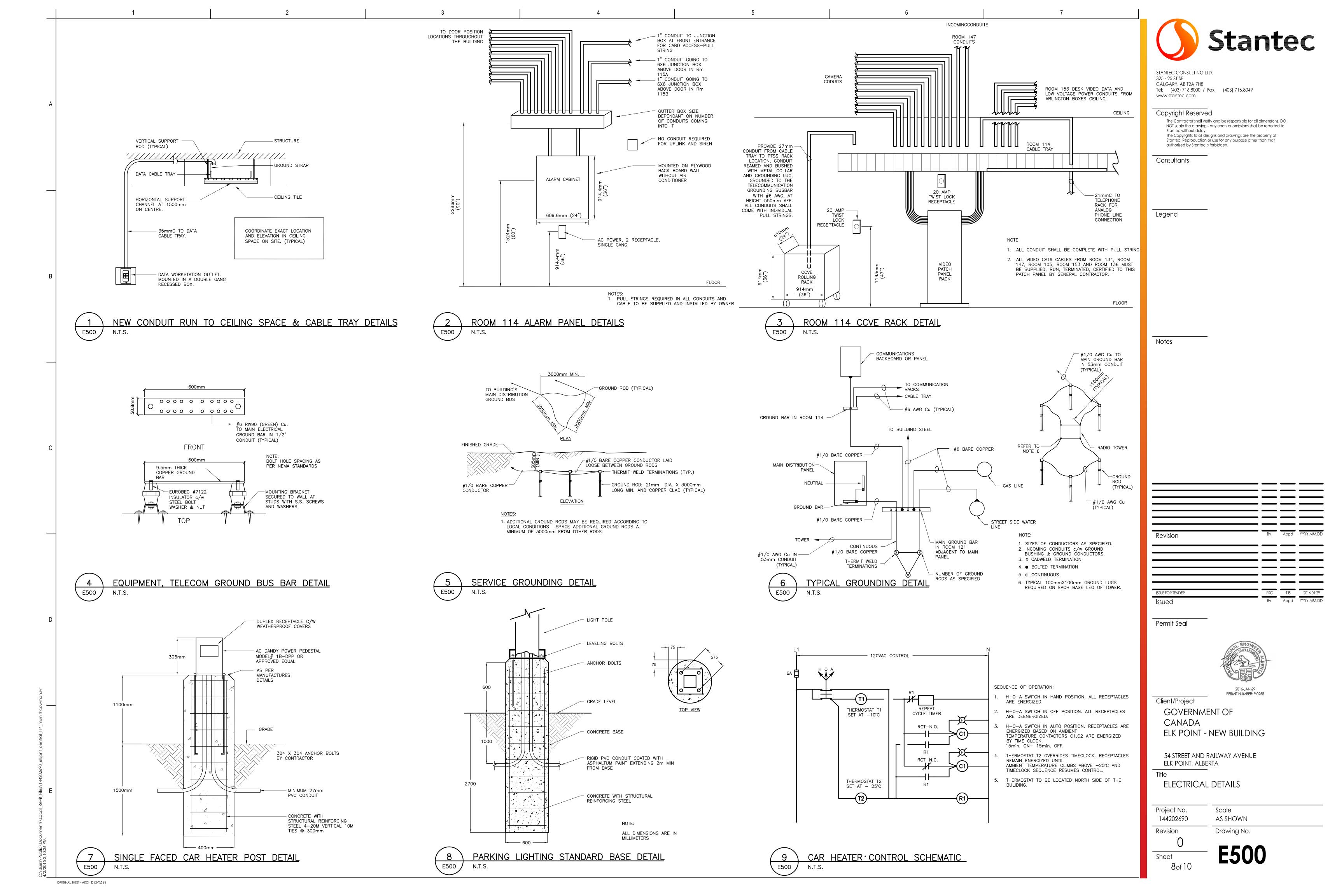
ELECTRICAL SCHEDULES

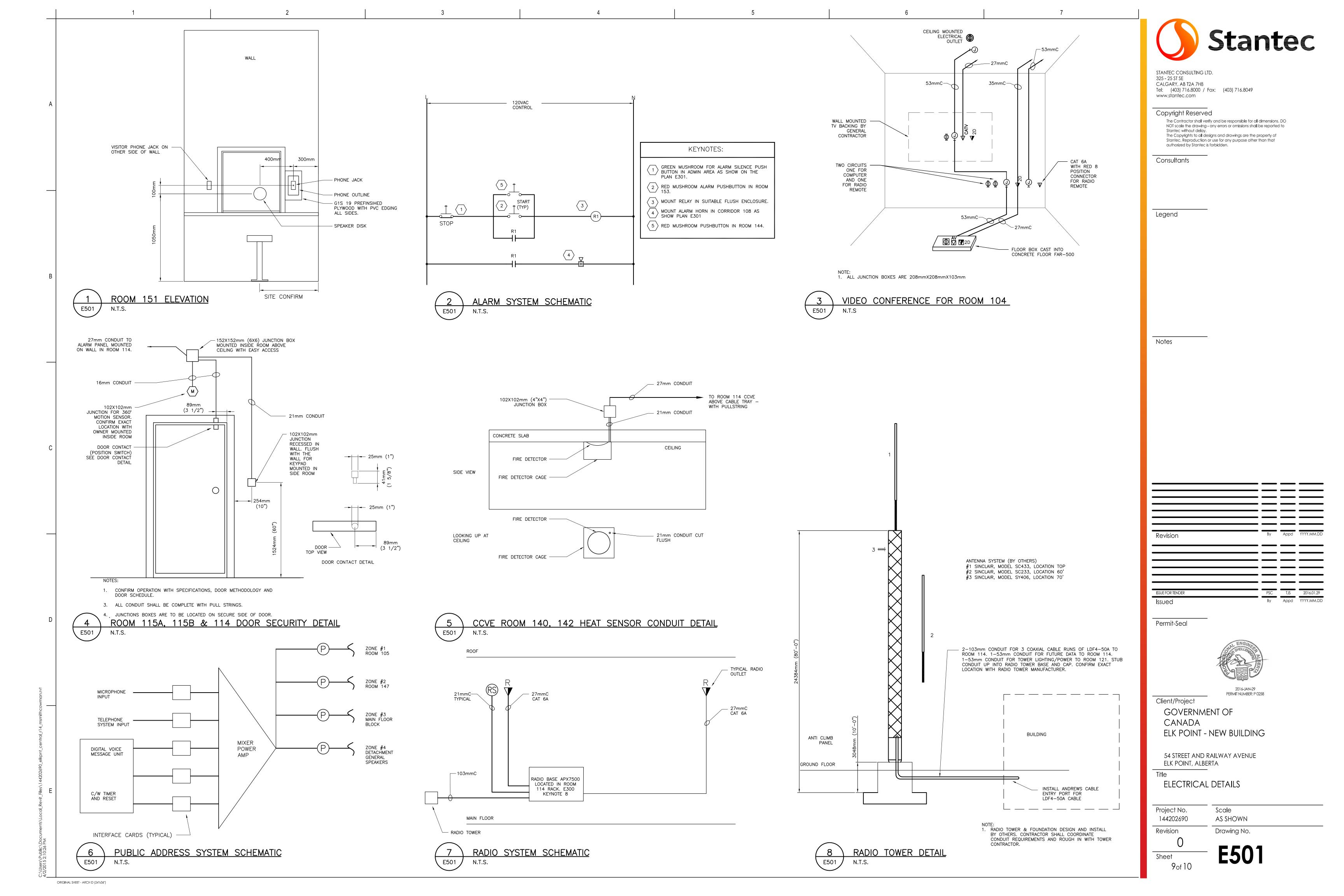
Project No. 144202690

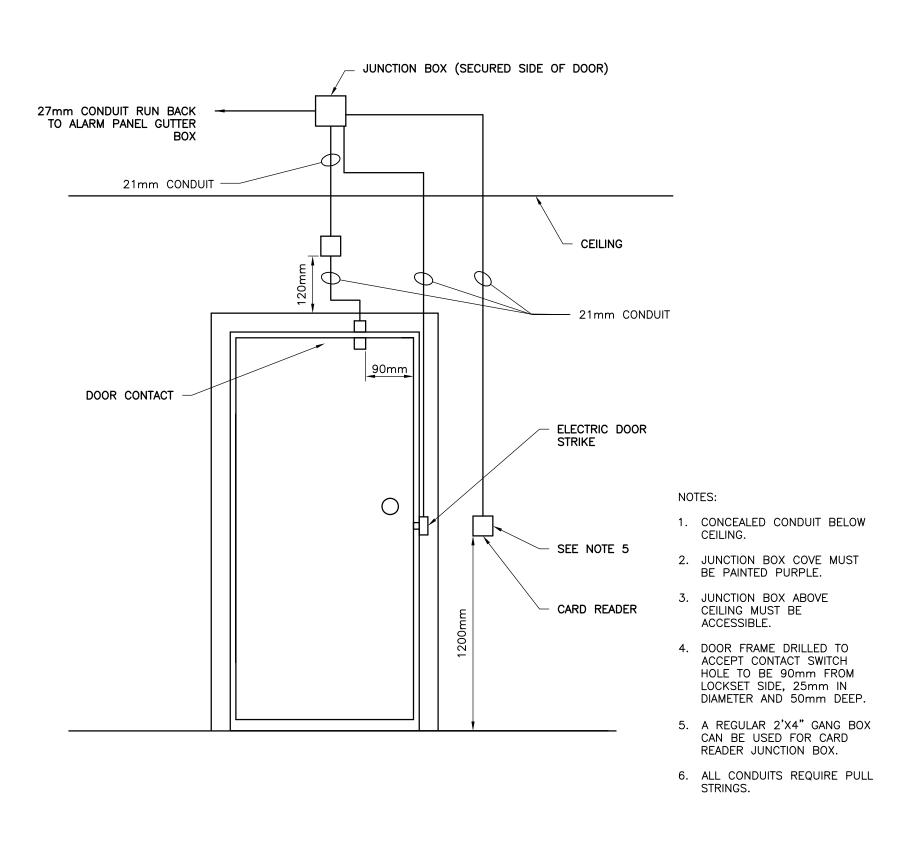
Scale as shown Drawing No.

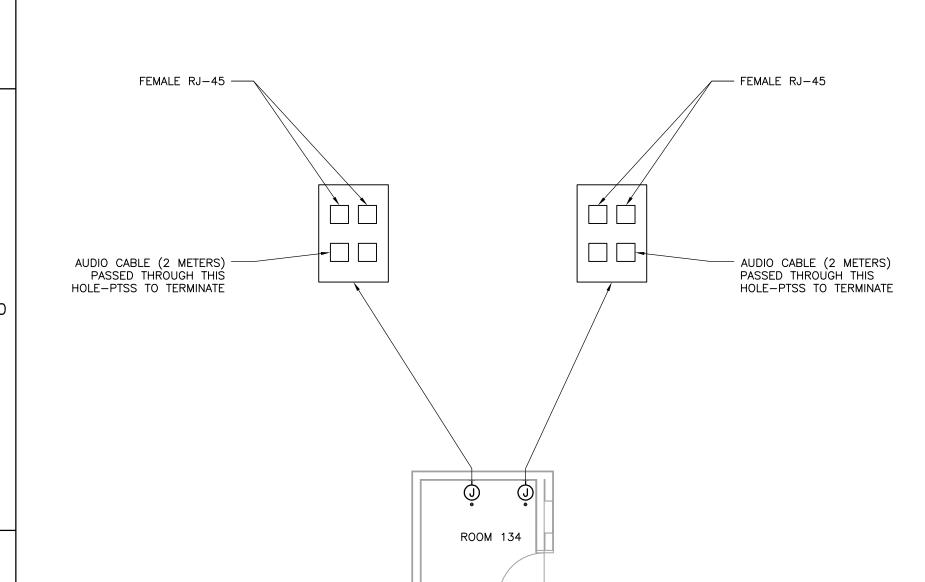
7of 10

ORIGINAL SHEET - ARCH D (24"x36")

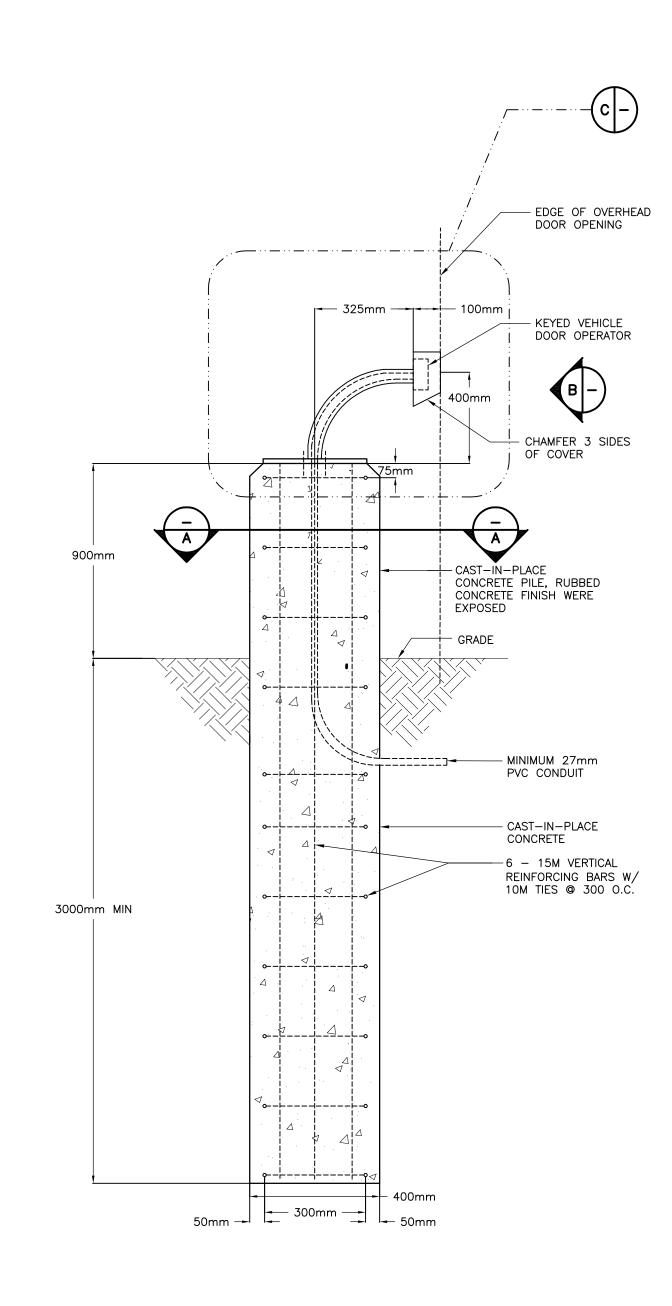




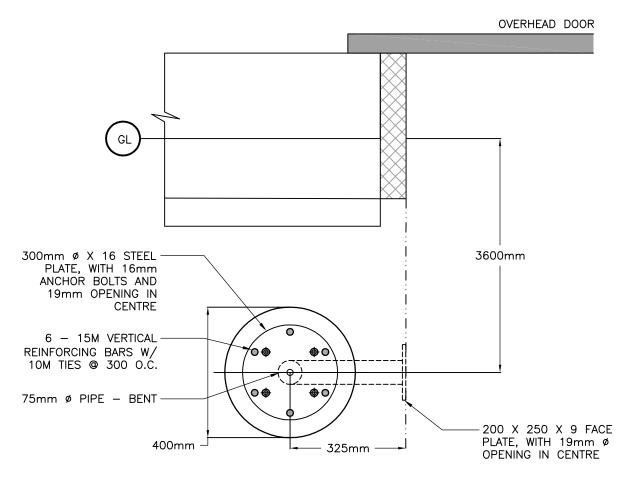




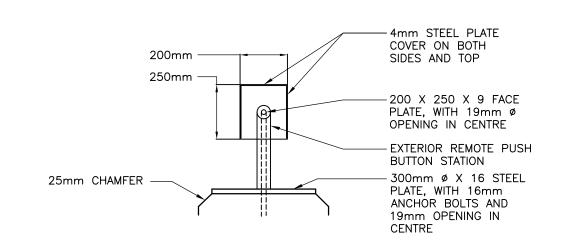
FRONT ENTRANCE DOOR SECURITY DETAIL



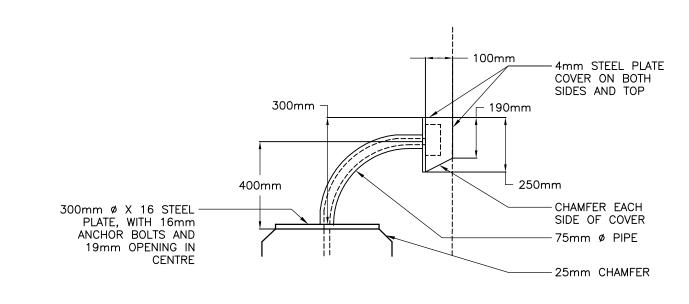




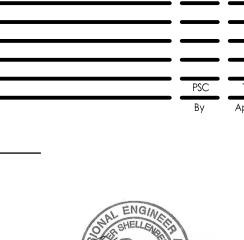
A-A OVERHEAD DOOR CONTROL POST (CP) SECTION



B - OVERHEAD DOOR CONTROL POST (CP) FRONT VIEW



C - OVERHEAD DOOR CONTROL POST (CP) SIDE VIEW





PERMIT NUMBER: P 0258

Client/Project

GOVERNMENT OF CANADA ELK POINT - NEW BUILDING

54 STREET AND RAILWAY AVENUE ELK POINT, ALBERTA

ELECTRICAL DETAILS

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Legend

Notes

Revision

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325 - 25 ST SE

Project No. 144202690 Revision

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AS SHOWN

Drawing No.

Scale

E502

DATA COVER DETAIL

E502

N.T.S.

E502 /