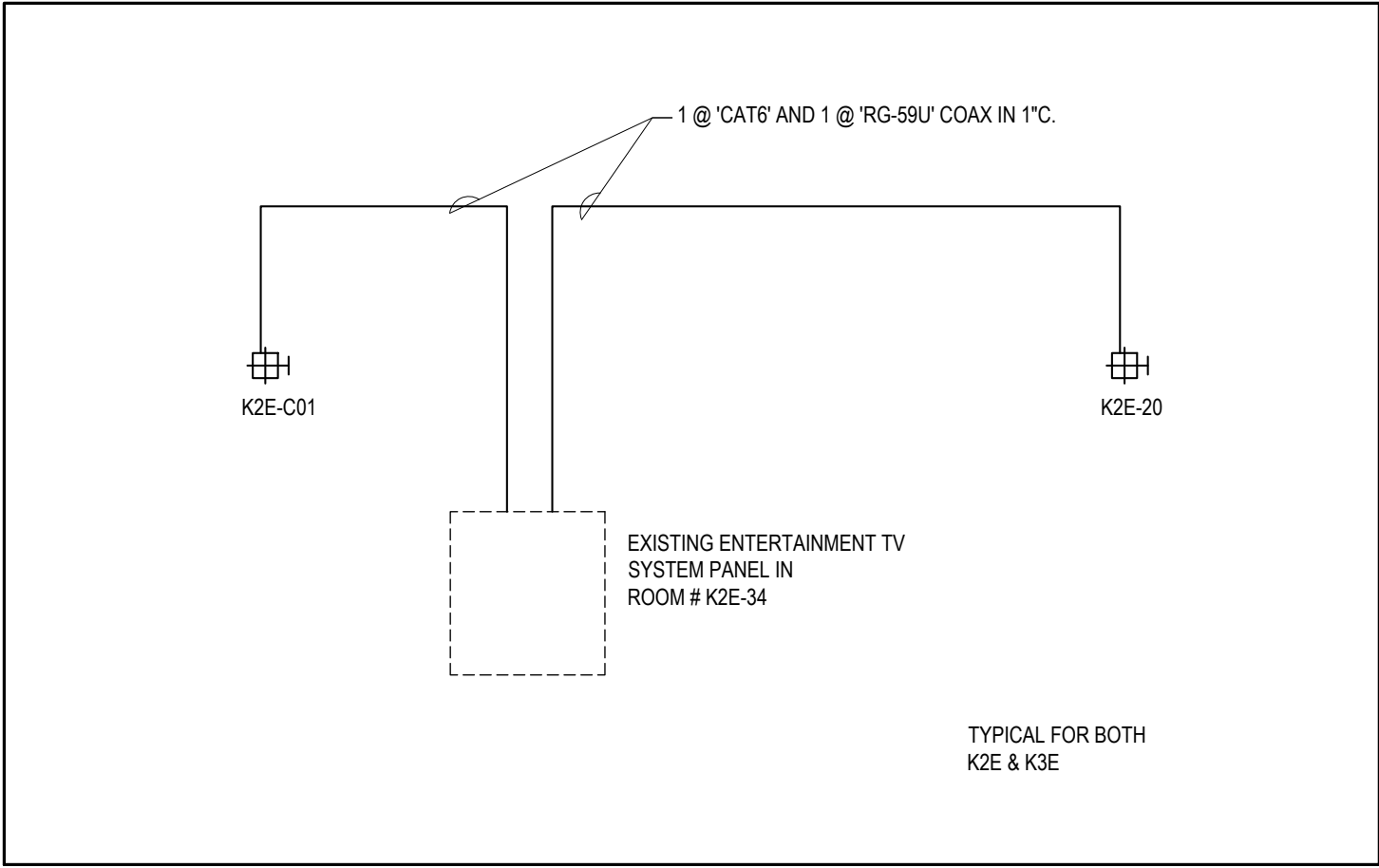


1 CLOCK SYSTEM SCHEMATIC  
N.T.S.



2 ENTERTAINMENT TV SCHEMATIC  
N.T.S.

CLOCKS LEGEND	
	WALL MOUNTED OR CEILING MOUNTED ANALOGUE CLOCK.
	WALL MOUNTED OR CEILING MOUNTED DIGITAL CLOCK.
	WALL MOUNTED DIGITAL ELAPSED TIME CLOCK (LEFT) CONNECTED TO LOCAL CONTROL BUTTON (RIGHT).

GENERAL PANEL DESIGNATIONS	
PANEL DESIGNATION: PP = POWER PANEL DP = DISTRIBUTION PANEL RP = RECEPTACLE PANEL LP = LIGHTING PANEL MSP = MECHANICAL SERVICE PANEL IPC = ISOLATED POWER SUPPLY	PANEL NUMBER PP-G-NK1 SPECIAL DESIGNATIONS (OPTIONAL) K = KITCHEN B = BAR L = LAUNDRY POWER SOURCE TYPE: U = UPS POWER V = VITAL POWER DV = DELAYED VITAL POWER C = CONDITIONAL POWER L = LIFE SAFETY POWER E = EMERGENCY POWER N = NORMAL POWER

LUMINAIRE DESIGNATION	
LUMINAIRE TYPE (SCHEDULE REFERENCE)	SWITCH ID (FOR LINE VOLTAGE CONTROLS)
PANEL DESIGNATION	CIRCUIT NUMBER WITHIN PANEL

ELECTRICAL GENERAL LEGEND	
	ELECTRICAL EQUIPMENT LABEL. 'XXX' DENOTES ITEM CATEGORY. 'YY' DENOTES ITEM REFERENCE.
	EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO REMAIN.
	EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO BE REMOVED.
	EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO BE RELOCATED.
	NEW LOCATION OF RELOCATED ELECTRICAL EQUIPMENT OR SERVICE.
	DEMARCATON POINT. ITEMS TO THE LEFT OF THE POINT IS BY DIVISION 'XX' ITEMS TO THE RIGHT OF THE POINT IS BY DIVISION 'YY'.

FIRE ALARM LEGEND	
	FIRE ALARM MANUAL PULL STATION.
	FIRE ALARM SMOKE DETECTOR. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT. 'X' = 'D' DENOTES DUAL CONTACT. 'X' = 'CO' DENOTES CARBON MONOXIDE DETECTOR. 'X' = 'A' DENOTES SMOKE ALARM. 'X' = 'S' DENOTES C/W STROBE.
	FIRE ALARM HEAT DETECTOR. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	HIGH TEMPERATURE FIRE ALARM HEAT DETECTOR. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.
	REMOTE ALARM FOR DUCT MOUNTED SMOKE DETECTOR.
	WALL MOUNTED FIRE ALARM BEAM DETECTOR AND RECEIVER.
	FIRE ALARM EVAC SPEAKER. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	FIRE ALARM EVAC SPEAKER WITH STROBE. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	FIRE ALARM STROBE LIGHT. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	FIRE ALARM HORN.
	FIRE ALARM HORN WITH STROBE.
	FIRE ALARM BELL.
	SPRINKLER/STANDPIPE SYSTEM SUPERVISED VALVE.
	SPRINKLER/STANDPIPE SYSTEM FLOW SWITCH.
	SPRINKLER/STANDPIPE SYSTEM PRESSURE SWITCH.
	FIRE ALARM MONITORING MODULE.
	FIRE ALARM CONTROL MODULE.
	FIRE ALARM END OF LINE RESISTOR.
	FIRE ALARM FIRE FIGHTERS HANDSET.
	FIRE ALARM ZONE BOUNDARY.
	FIRE ALARM PANEL. FLUSH MOUNTED SHOWN ON LEFT. SURFACE MOUNTED SHOWN ON RIGHT. 'XXX' = 'FATP' DENOTES FIRE ALARM TRANSPOUNDER PANEL. 'XXX' = 'FAA' DENOTES ANNUNCIATOR. 'XXX' = 'FA' DENOTES FIRE-ACTION PANEL.
	WALL MOUNTED FIRE DO NOT ENTER SIGN.
	CEILING MOUNTED FIRE DO NOT ENTER SIGN.
	FIRE ALARM ASPIRATION SYSTEM PANEL.
	PIPE FOR FIRE ALARM ASPIRATION SYSTEM.
	LINEAR FIRE ALARM HEAT DETECTOR.

LIGHTING CONTROLS	
	LIGHT SWITCH. TYPE AS NOTED. 120V SHOWN ON LEFT. 240V SHOWN ON RIGHT. THE RECTANGULAR BOX AROUND THE SYMBOL DENOTES THE SWITCH IS MOUNTED ON EQUIPMENT/HEADWALL. 'XX' = 'LV' DENOTES LOW VOLTAGE. 'XX' = 'TV' DENOTES DIMMER SWITCH. 'XX' = 'T' DENOTES TIMER SWITCH. 'XX' = '3' DENOTES 3 WAY SWITCH. 'XX' = '4' DENOTES 4 WAY SWITCH. 'XX' = '3P' DENOTES 3 POSITION SWITCH (UP - RAISES, DOWN - LOWERS, CENTRE - STOPS). 'XX' = 'L' DENOTES ILLUMINATED SWITCH. 'XX' = 'M' DENOTES MOTION SENSOR SIMPLE POLE SWITCH. 'XX' = 'K' DENOTES KEY OPERATED SWITCH.
	LIGHT SWITCH. TYPE AS NOTED. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT. 'XX' = 'OS' DENOTES OCCUPANCY SENSOR. 'XX' = 'VS' DENOTES VACANCY SENSOR. 'XX' = 'PC' DENOTES PHOTOCELL. 'XX' = 'DL' DENOTES DAYLIGHT SENSOR.

LIGHTING LEGEND	
	HATCHED LUMINAIRES DENOTES HARDWIRED TO EMERGENCY POWER. TYPE AS NOTED.
	FILLED CIRCLE(S) WITHIN CEILING LUMINAIRE SYMBOLS INDICATE IT IS PENDANT TYPE.
	WALL MOUNTED LUMINAIRE. TYPE AS NOTED.
	CEILING MOUNTED DOWNLIGHT. TYPE AS NOTED. IF SHOWN, THE CHEVRON INDICATES LIGHT DIRECTION.
	STRIP LIGHT. TYPE AS NOTED.
	LINEAR SLOT / CHANNEL TAPE LUMINAIRE. TYPE AS NOTED.
	RECESSED WALL LINEAR LUMINAIRE. VERTICAL TYPE SHOWN ON LEFT. HORIZONTAL TYPE SHOWN ON RIGHT.
	300mm x 1200mm (1' x 4') LUMINAIRE. TYPE AS NOTED.
	600mm x 600mm (2' x 2') LUMINAIRE. TYPE AS NOTED.
	600mm x 1200mm (2' x 4') LUMINAIRE. TYPE AS NOTED.
	EXTERIOR LIGHT STANDARD. QUANTITY OF HEADS AS SHOWN. TYPE AS NOTED.
	EXIT SIGN WITH DIRECTIONAL ARROW AS INDICATED. TYPE AS NOTED. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT. TYPE AS NOTED. 'XXX' DENOTES BATTERY UNIT NUMBER.
	WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT C/W INTEGRAL HEADS. TYPE AS NOTED. 'XXX' DENOTES BATTERY UNIT NUMBER.
	EMERGENCY LIGHTING DOUBLE REMOTE HEAD. TYPE AS NOTED. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	EMERGENCY LIGHTING SINGLE REMOTE HEAD. TYPE AS NOTED. WALL MOUNTED SHOWN ON LEFT. CEILING MOUNTED SHOWN ON RIGHT.
	WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT C/W EXIT SIGN. TYPE AS NOTED. 'XXX' DENOTES BATTERY UNIT NUMBER.

COMMUNICATIONS	
	ANALOGUE VOICE OUTLET. 'Y' DENOTES THE TOTAL QUANTITY OF ANALOGUE VOICE DROPS PER OUTLET. 'W' DENOTES WALL MOUNTED.
	COMBINATION DATA/ANALOGUE VOICE OUTLET. DATA DROP C/W CATEGORY 6 CABLE TO TELECOM ROOM PATCH PANEL C/W 27mmC AND/OR ANALOGUE VOICE OUTLET C/W 27mmC. 'X' DENOTES TOTAL QUANTITY OF DATA PORTS. 'Y' DENOTES TOTAL QUANTITY OF VOICE DROPS. 'X/Y' DENOTES COMBINATION DATA/VOICE OUTLET. 'T' DENOTES TELEPHONE TELECOM JACK.
	DATA DROP. 'X' DENOTES THE TOTAL QUANTITY OF DATA DROPS PER OUTLET.
	WIRELESS ACCESS POINT SHOWN IN INDICATIVE LOCATION. PROVIDE 8m CABLE SLACK AT EACH WAP LOCATION. CISCO AIRONET 3800 SERIES ACCESS POINT TO MATCH EXISTING.
	CEILING MOUNTED AV SPEAKER
	CEILING MOUNTED AV MICROPHONE
	CEILING MOUNTED CCTV CAMERA
	360° VIEW CCTV DOME CAMERA (CEILING MOUNTED).
	CEILING MOUNTED TV DATA
	WALL MOUNTED TV DATA OUTLET MOUNTED AT TV MOUNTING BRACKET HEIGHT. COORDINATE INSTALLATION WITH BRACKET.
	TELEMETRY WIRELESS ACCESS POINT WHICH WILL BE A CEILING MOUNTED DEVICE ROUGHLY 6" DIAMETER THAT WILL BE SUPPLIED BY THE HOSPITAL AND INSTALLED BY THE CONTRACTOR AND C/W A CAT 6 CABLE RUN IN 1/2" CONDUIT TO THE NETWORK HUB ROOM. TERMINATE THE CABLE IN AN RJ45 JACK AT THE TWAP AND ON A NEW CAT6 PATCH PANEL INSTALLED IN THE DATA RACK IN THE HUB ROOM









































NURSE CALL	
	CEILING OR WALL MOUNTED 4 COMPARTMENT COMBINATION NURSE CALL AND FIRE ALARM DOME LIGHT
	CEILING OR WALL MOUNTED 4 COMPARTMENT NURSE CALL DOME LIGHT COMPLETE WITH MULTIPLE PROGRAMMABLE COLOURS TO PROVIDES INDICATION OF CODE CALLS / PATIENT CALLS VIA LARGE CLEAR SEGMENTS (4). 'Z' DENOTES ZONE LIGHT.
	NURSE CALL PULL CORD STATION WITH AUDIO LOCATED NEXT TO TOILET COMPLETE WITH: - TWO-WAY AUDIO; STAFF CAN SPEAK DIRECTLY WITH PATIENT FROM THE FOLLOWING DEVICES: NURSE CONSOLE, STAFF TERMINAL, AND/OR WIRELESS STAFF COMMUNICATION DEVICE. - PULL CORD FOR PATIENT CALL INITIATION. - CANCEL CALL BUTTON. - CALL-IN BUTTON FOR ROUTINE CALLS. 'A' INDICATES WITH AUDIO SPEECH MODULE.
	NURSE CALL PULL CORD STATION LOCATED IN BATH/SHOWER COMPLETE WITH: - WATER-RESISTANT. - PULL CORD FOR PATIENT CALL INITIATION. - REMOTE CANCEL BUTTON FOR EASE OF NURSE CALL CANCEL WHEN PULL CORD IS MOUNTED IN AN INACCESSIBLE LOCATION (E.G., TOILET CANCEL BUTTON CAN BE UTILIZED TO CANCEL SHOWER CALL).
	NURSE CALL SINGLE PATIENT STATION A TYPICAL TYPE SINGLE PATIENT STATION COMPLETE WITH TWO-WAY AUDIO, CALL CANCEL BUTTON AND A SINGLE PILLOW SPEAKER CALL CORD.
	NURSE CALL TWO-PATIENT STATION A TYPICAL TWO-PATIENT STATION COMPLETE WITH TWO-WAY AUDIO, CALL CANCEL BUTTON AND TWO PILLOW SPEAKER CALL CORDS.
	NURSE CALL STAFF STATION COMPLETE WITH: - TWO-WAY AUDIO. - AUDIBLE ANNUNCIATION OF CALLS. - CALL INITIATION. - LOCALIZED CALL CANCELLATION.
	NURSE CALL DUTY STATION A TYPICAL TYPE STATION PROVIDING AUDIBLE ANNUNCIATION OF CALL
	NURSE CALL PULL CONSOLE/TABLE DISPLAY MASTER STATION COMPLETE WITH: - VIB-DUPLEX AUDIO. - LARGE COLOUR LCD SCREEN. - EASY TO USE TOUCH POINTS, CAN BE CUSTOMIZABLE TO EACH CONSOLE. - CAPABLE OF MANAGING ALL INBOUND AND OUTBOUND CALL. - CANCEL CALL BELLS. - ANSWER CALLS. PROVIDER-TO-PROVIDER AND PATIENT-TO-PROVIDER.
	CODE WHITE
	NURSE CALL SYSTEM CARDIAC ARREST STATION.
	PILLOW SPEAKER COMPLETE WITH: - TWO BUTTON LIGHTING CONTROLS. - THREE NURSE CALL BUTTONS FOR PATIENT REQUESTS INCLUDING: WATER, PAIN, AND WASHROOM/TOILET ASSISTANCE. - NURSE CALL AUDIO WITH PATIENT MICROPHONE. - TV/ENTERTAINMENT CONTROL BUTTONS INCLUDING: VOLUME, TV CHANNELS, CLOSE CAPTION, AND MUTE. - FUTURE OPTION TO INCLUDE BUTTONS FOR TEMPERATURE AND/OR BLINDS.
	2-BUTTON CODE CALL/INITIATION STATIONS. CAN BE CUSTOMIZED TO INCLUDE TWO OF THE FOLLOWING: CODE BLUE, CODE WHITE, CODE PINK, STAFF ASSIST; CANCEL CALL BUTTON. 'A' INDICATED STAFF ASSIST. 'B' INDICATES CODE BLUE, 'P' INDICATED CODE PINK, 'W' INDICATES CODE WHITE.
	4-BUTTON STATION FOR CODE CALL/INITIATION INCLUDES: CODE BLUE, CODE WHITE, CODE PINK, STAFF ASSIST; CANCEL CALL BUTTON. CLEAR COVER TO PROTECT AGAINST ACCIDENTAL TRIGGERING OF BUTTONS.

SECURITY	
	ACCESS CONTROL SYSTEM DOOR ALARM CONTACT.
	ACCESS CONTROL SYSTEM ELECTRIC STRIKE.
	ACCESS CONTROL SYSTEM CARD READER.
	ACCESS CONTROL SYSTEM MAGNETIC LOCK.
	MAGNETIC DOOR HOLD OPEN DEVICE.
	ACCESS CONTROL SYSTEM MOTION SENSOR.
	WALL MOUNTED PUSH BUTTON FOR ELECTRICALLY OPERATED DOOR. PROVIDE FLUSH? GANG BOX AT 47" AFF. C/W 3/4" 2" 1/2". TO ELECTRIC OPERATOR.
	DOOR LOCKING DEVICE.

ELECTRICAL POWER LEGEND	
	120V, 10 DIRECT CONNECTION FOR EQUIPMENT AS NOTED. 'C' DENOTES CLOCK
	15A 120V EMERGENCY POWER OUTLET FOR PAPER TOWEL DISPENSER C/W TRANSFORMER. 'S' DENOTES ELECTRONIC SINK. SEE DETAIL 6E-105 & 6E-205.
	15A 120V EMERGENCY POWER OUTLET FOR "ELECTRICAL DOOR OPERATOR" & C/W 3/4" CONDUIT TO 2 REMOTE PUSH BUTTONS.
	208V, 10 DIRECT CONNECTION FOR EQUIPMENT AS NOTED.
	208V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED.
	416V OR 480V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED.
	600V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED.
	FLOOR MOUNTED POWER MONUMENT. 'X' DENOTES TYPE.
	FLOOR MOUNTED COMBINATION POWER AND DATA MONUMENT. 'X' DENOTES TYPE.
	FLOOR MONUMENT FOR POWER AND/OR SYSTEMS FURNITURE. 'X' DENOTES TYPE.
	WALL MOUNTED POWER & DATA INPUT FOR SYSTEMS FURNITURE. 'X' DENOTES TYPE.
	HEADWALL/SERVICE COLUMN. 'X' DENOTES TYPE.
	SERVICE POLE.
	SURFACE MOUNTED RACEWAY. TYPE AS SPECIFIED C/W TYPE AND QUANTITY OF DEVICES INDICATED.
	UN-FUSED DISCONNECT SWITCH. 'X' DENOTES DISCONNECT RATING.
	FUSED DISCONNECT SWITCH. 'X' DENOTES DISCONNECT RATING. 'Y' DENOTES FUSE SIZE.
	JUNCTION BOX C/W BLANK COVER PLATE. SIZED FOR THE SERVICE/CONNECTION NOTED.
	PULL BOX C/W BLANK COVER PLATE. SIZED FOR THE SERVICE/CONNECTION AS NOTED.
	MOTOR CONTROLLER. 'XA' DENOTES TYPE.
	VARIABLE FREQUENCY DRIVE. 'XA' DENOTES TYPE.
	TRANSFORMER.
	HARMONIC FILTERS.
	ELECTRICAL PANEL. FLUSH MOUNTED SHOWN ON LEFT. SURFACE MOUNTED SHOWN ON RIGHT.
	POWER PANEL. FLUSH MOUNTED SHOWN ON LEFT. SURFACE MOUNTED SHOWN ON RIGHT.
	SPLITTER
	COPPER GROUND BAR
	GROUND ROD
	GROUND ROD C/W GROUND PLATE
	LIGHTNING PROTECTION DOWNLEAD
	LIGHTNING PROTECTION WALL MOUNTED AIR TERMINAL
	LIGHTNING PROTECTION FLOOR MOUNTED AIR TERMINAL
	BUS DUCT OR CABLE BUS AS NOTED
	BUS DUCT OR CABLE BUS ELBOW
	BUS DUCT OR CABLE BUS UP
	BUS DUCT OR CABLE BUS DOWN
	CABLE TRAY
	WIREWAY

CONDUCTOR LABELS	
QUANTITY (IF MORE THAN 1)	QUANTITY OF MAIN CONDUCTORS
2x [4 #250 CU + G - 78mm C]	SIZE OF MAIN CONDUCTORS
	AL = ALUMINUM CONDUCTORS
	CU = COPPER CONDUCTORS
	GROUND
	CONDUIT SIZE

NOMINAL CONDUIT SIZES	
mm	16 21 27 35 41 53 63 78 91 103
inch	1/2 3/4 1 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4

ELECTRICAL RECEPTACLE LEGEND				
CEILING MOUNTED	WALL MOUNTED	EQUIPMENT / HEADWALL MOUNTED	MOUNTED ABOVE COUNTER HEIGHT	DESCRIPTION
				120V, 15A DUPLEX RECEPTACLE.
				120V, 15A SPLIT DUPLEX RECEPTACLE.
				120V, 15A GFCI DUPLEX RECEPTACLE HK DENOTES HOUSEKEEPING RECEPTACLE.
				120V, 15/20A T-SLOT DUPLEX RECEPTACLE. HK DENOTES HOUSEKEEPING RECEPTACLE.
				120V, 15/20A T-SLOT GFCI DUPLEX RECEPTACLE. HK DENOTES HOUSEKEEPING RECEPTACLE.
				120V, 15A DOUBLE DUPLEX RECEPTACLE.
				120V, 15A EMERGENCY POWER DUPLEX RECEPTACLE.
				120V, 15/20A T-SLOT EMERGENCY POWER DUPLEX RECEPTACLE.
				SPECIAL RECEPTACLE. REFER TO SPECIAL RECEPTACLE DESIGNATION TABLE.
				15A 120V NORMAL POWER GROUNDED SPLIT DUPLEX GFI RECEPTACLE FED FROM A 15A, 2P CIRCUIT.

GENERAL NOTES	
ALL CONTRACTORS, INCLUDING GENERAL CONTRACTOR AND SUB-CONTRACTORS, ARE RESPONSIBLE FOR REVIEWING AND COORDINATING WITH COMPLETE SET OF DRAWING AND SPECIFICATION PACKAGES FOR ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL TRADES INCLUDING ANY EQUIPMENT THAT FORM PART OF THE PROJECT SCOPE.	
ALL CONTRACT DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS, ANY DISCREPANCY BETWEEN ANY ONE OR MORE OF THE DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION FOR CLARIFICATION. THE CONTRACTOR SHALL PROCEED WITH WORK KNOWINGLY INCORRECT AT HIS OWN RISK.	
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THE AGGREGATE OF THE WORK DESCRIBED BY ALL OF THE CONTRACT DOCUMENTS AND SPECIFICATIONS (i.e. SOME WORK AND MATERIALS SHOWN ON DRAWINGS MAY NOT BE INCLUDED IN THE SPECIFICATION) NOTWITHSTANDING, THE CONTRACTOR WILL BE BOUND TO THE CONSULTANTS INTERPRETATION OF THE CONTRACT DOCUMENTS. IN THE EVENT OF AN EXPRESS CONFLICT BETWEEN ANY ITEM CONTAINED WITH-IN THE CONTRACT DOCUMENTS, THE MOST STRINGENT AND COSTLY ITEM TO THE CONTRACTOR SHALL APPLY AT NO EXTRA COST TO THE CONTRACT PROVIDED HOWEVER, THE CONSULTANT MAY AT OWNER'S SOLE DISCRETION, ELECT A LESS STRINGENT OR COSTLY RESOLUTION OF THE CONFLICT. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT IMMEDIATELY OF ANY SUCH CONFLICTS. ANYTHING SHOWN IN SPECIFICATIONS AND REFERRED TO IN THIS CONTRACT, THEREAFTER FURNISHED BY OWNER, AND NOT SHOWN IN THE DRAWINGS REFERRED TO IN THIS CONTRACT, OR SHOWN IN SUCH DRAWINGS AND NOT SHOWN IN SPECIFICATIONS SHALL BE OF LIKE EFFECT, AS IF SHOWN OR MENTIONED IN BOTH AND SHALL NOT BE CONSIDERED TO BE A CONFLICT. WORK NOT COVERED IN THE CONTRACT DOCUMENTS WILL NOT BE REQUIRED UNLESS IT IS CONSISTENT THEREWITH AND IS REASONABLY INFERRABLE THEREFROM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS. IT IS THE INTENT OF THE CONTRACT DOCUMENTS, INCLUDING THE SPECIFICATIONS AND DRAWINGS, TO PROVIDE FINISHED WORK, TESTED AND READY FOR OPERATION AND COMPLETE IN EVERY REGARD. PROVIDE WORK NOT SHOWN OR SPECIFIED AND ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION. SHOULD THERE APPEAR TO BE DISCREPANCIES OR QUESTIONS OF INTENT IN THE CONTRACT DOCUMENTS, REFER THE MATTER TO THE CONSULTANT FOR HIS REVIEW.	
MECH. & ELECT. TRADES ARE RESPONSIBLE FOR REVIEWING AND COORDINATING THEIR WORK WITH THE ARCHITECTURAL WORK AS DESCRIBED IN THE ARCHITECTURAL DRAWINGS. CLAIMS FOR EXTRAS WILL NOT BE ACCEPTED FOR ITEMS OF INSTALLED WORK (NEW OR EXISTING) THAT CONFLICT WITH THE WORK OF OTHER TRADES DUE TO LACK OF COORDINATION, SUCH ITEMS BEING VISIBLE OR AVAILABLE FOR VERIFICATION (FOR EXISTING CONDITIONS) DURING THE TENDER PERIOD OR DESCRIBED AS NEW IN THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND THE REINSTALLATION OF ALL CONFLICTING SYSTEMS AS REQUIRED TO ACHIEVE THE INTENDED DESIGN AS DESCRIBED AND INFERRED IN THE CONTRACT DOCUMENTS. REFER TO SECTION 00 21 13, PAR 1.30.2	

PHASING	
THIS PROJECT INVOLVES PHASING AND CONNECTIONS TO EXISTING. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND ELECTRICAL SPECIFICATION 26 05 05 FOR FURTHER INSTRUCTIONS ON PHASING.	
ALL WORK OUTSIDE OF AREA OF RENOVATION OF THE ACTIVE PHASE(S) MUST BE PERFORMED AFTER HOURS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR HOURS OF OPERATION.	

ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	MW	MICROWAVE
AHU	AIR HANDLING UNIT	MGAP	MEDICAL GAS ALARM PANEL
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
B	BED RECEPTACLE	NIC	NOT IN CONTRACT
BFC	BELOW FINISHED CEILING	NO	NORMALLY OPEN
BMS	BUILDING MANAGEMENT SYSTEM	PL	PATIENT LIFT
C	CONDUIT	R	REMOVE
CW	COMES WITH OR COMPLETE WITH	RE	REMOVE FOR THE PURPOSE OF RELOCATION
CCT	CIRCUIT		
CM	CEILING MOUNTED	RL	ITEM IN ITS RELOCATED POSITION
DR	DRYER	RR	REMOVE AND REINSTALL IN SAME LOCATION
DW	DISHWASHER		
E	EXISTING TO REMAIN	RTU	ROOFTOP UNIT
EC	EMPTY CONDUIT	STU	STOVE
EF	EXHAUST FAN	SWB	SWITCHBOARD
EMERG.	EMERGENCY	SWG	SWITCHGEAR
EMD	EMERGENCY MEDICAL	TPP	TRAP SEAL PRIMER PANEL
EQUIP.	EQUIPMENT	TR	TAMPER RESISTANT
EVC	ELEC. VEHICLE CHARGING STATION	TYP	TYPICAL
F	FUTURE	UPS	UNINTERRUPTIBLE POWER SUPPLY
FN	FURNITURE	VR	VANDAL RESISTANT
FCU	FAN COIL UNIT	WP	WEATHERPROOF
FR	FRIDGE	WS	WASHING MACHINE
GF	GROUND FAULT	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	HK	HOUSEKEEPING
HF	HANDS-FREE FIXTURE	HT	HEAT TRACING
		HD	HAND DRYER

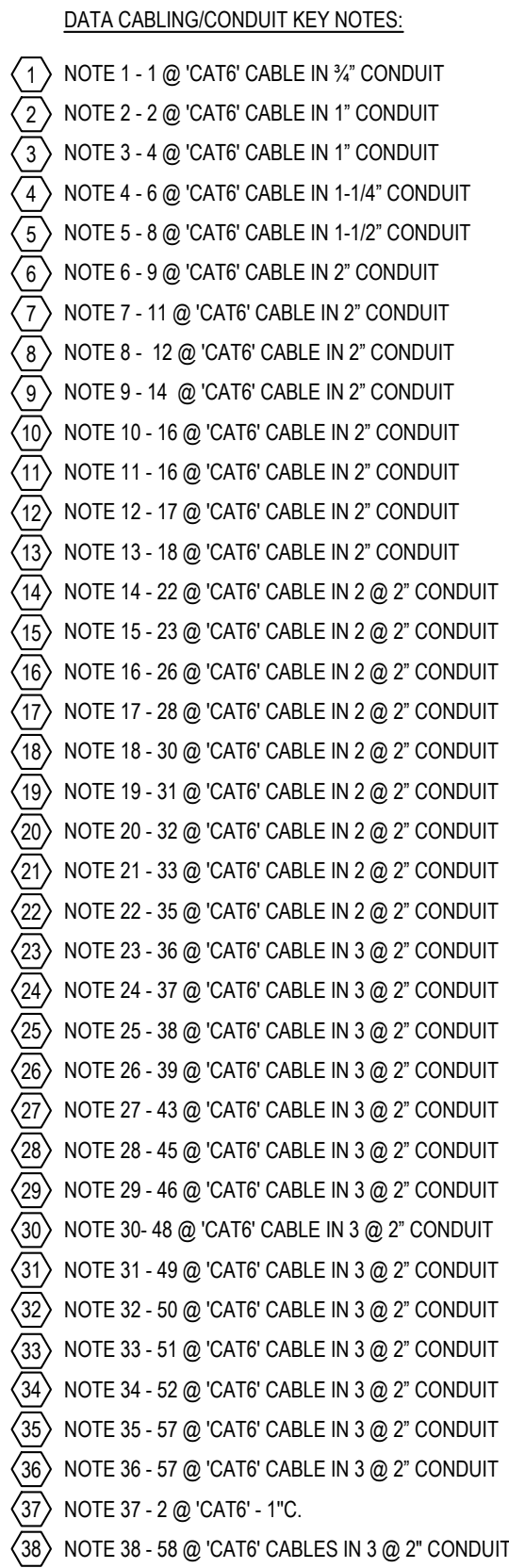
DRAWING LIST	
E-1	LEGEND, DRAWINGS LIST AND DETAIL - ELECTRICAL
E-2	K-2-E / K-3-E DATA CABLING / CONDUIT SCHEMATIC
E-100	K WING, 2ND FLOOR, K-2-E DEMOLITION PLAN - ELECTRICAL
E-101	K WING, 2ND FLOOR, K-2-E LIGHTING PLAN - ELECTRICAL
E-102	K WING, 2ND FLOOR, K-2-E POWER PLAN - ELECTRICAL
E-103	K WING, 2ND FLOOR, K-2-E SYSTEMS PLAN - ELECTRICAL
E-104	K WING, 2ND FLOOR, K-2-E SECURITY PLAN - ELECTRICAL
E-105	2ND FLOOR, MISCELLANEOUS - ELECTRICAL
E-106	2ND FLOOR, SECURITY DETAILS - ELECTRICAL
E-107A	2ND FLOOR, ELECTRICAL PANELS REPLACEMENT DETAILS - ELECTRICAL
E-107B	3RD FLOOR, ELECTRICAL PANELS REPLACEMENT DETAILS - ELECTRICAL
E-200	K WING, 3RD FLOOR, K-3-E DEMOLITION PLAN - ELECTRICAL
E-201	K WING, 3RD FLOOR, K-3-E LIGHTING PLAN - ELECTRICAL
E-202	K WING, 3RD FLOOR, K-3-E POWER PLAN - ELECTRICAL
E-203	K WING, 3RD FLOOR, K-3-E SYSTEMS PLAN - ELECTRICAL
E-204	K WING, 3RD FLOOR, K-3-E SECURITY PLAN - ELECTRICAL
E-205	3RD FLOOR, MISCELLANEOUS - ELECTRICAL
E-206	3RD FLOOR, SECURITY DETAILS - ELECTRICAL
E-207	K WING, 3RD FLOOR CENTRE - TELEMETRY CABLING-ELECTRICAL
E-208	K WING, ROOF PLAN - ELECTRICAL
E-209	K WING, BASEMENT PLAN - ELECTRICAL

DATE	ISSUED FOR	REV
2025-07-21	ISSUED FOR BUILDING PERMIT	1
2025-11-07	RE-ISSUED FOR PERMIT	2
2025-11-20	ISSUED FOR TENDER	3

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THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THE SEAL APPEARING HEREON IS SIGNED AND DATED BY THE ARCHITECT OR ENGINEER.	

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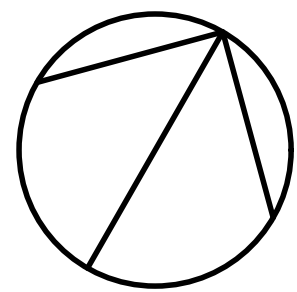


K-2-E DATA REMOVAL		
ROOM #	JACK #	PIGTAIL #
K2E01/K2E03	D-71 (AP14)	ACTIVE
K2E02/K2E03	V-?	NOT ACTIVE
K2E02/K2E03	V-?, V-?	NOT ACTIVE
K2E02/K2E03	V-F2-8810	NOT ACTIVE
K2E02/K2E03	F3-179	NOT ACTIVE
K2EQ1/K2E03	D-29	ACTIVE
K2EQ1/K2E03	D-122	ACTIVE
K2EQ1/K2E03	V-100	NOT ACTIVE
K2E04/K2E03	D-181	ACTIVE
K2E04/K2E03	V-1.2.3.4	NOT ACTIVE
K2E06/K2E03	V-1.2	NOT ACTIVE
K2E08/K2E03	D-179 (AP24)	ACTIVE
K2E08/K2E03	V-1.2	NOT ACTIVE
K2E12/K2E03	D-96 (AP17)	ACTIVE
K2E14/K2E03	V-44	NOT ACTIVE
K2E14/K2E03	V-1.2	NOT ACTIVE
K2E14/K2E03	V-3 (SP)	ACTIVE
K2E02/K2E03	D-32	ACTIVE
K2EQ2/K2E03	D-123	ACTIVE
K2EQ2/K2E03	V-101	NOT ACTIVE
K2E15/K2E03	D-103 (AP18)	ACTIVE
K2E15/K2E03	V-1.2	NOT ACTIVE
K2E15/K2E03	V-41.36	NOT ACTIVE
K2E21/K2E03	V-14.1,23	NOT ACTIVE
K2E24/K2E03	D-102 (AP19)	NOT ACTIVE
K2E24/K2E03	D-187	ACTIVE
K2EQ3/K2E03	D-33	ACTIVE
K2EQ3/K2E03	D-006	NOT ACTIVE
K2EQ3/K2E03	D-124	ACTIVE
K2EQ3/K2E03	V-102	NOT ACTIVE
K2E23/K2E03	D-183	ACTIVE
K2E23/K2E03	V-1.2.3.4	NOT ACTIVE
K2E25/K2E03	V-1.2	NOT ACTIVE
K2E25/K2E03	D-180 (AP23)	ACTIVE
K2E27/K2E03	V-7.8	NOT ACTIVE
K2E31/K2E03	D-95 (AP16)	ACTIVE
K2E29/K2E03	V-09	NOT ACTIVE
K2E31/K2E03	V-1.2	NOT ACTIVE
K2E33/K2E03	V-1.2.3	NOT ACTIVE
K2E33/K2E03	4 (SP)	NOT ACTIVE
K2E44/K2E03	D-?1 (AP15)	ACTIVE
K2E35/K2E03	D-100	ACTIVE
K2E35/K2E03	V-105	NOT ACTIVE
K2E35/K2E03	D-30	ACTIVE
K2E35/K2E03	D-31	ACTIVE
K2E35/K2E03	V-104 (EP)	NOT ACTIVE
K2E35/K2E03	D-115	ACTIVE
K2E35/K2E03	D-114	ACTIVE
K2E35/K2E03	D-23	NOT ACTIVE
K2E35/K2E03	D-24	NOT ACTIVE
K2E35/K2E03	V-1.2.3	NOT ACTIVE
K2E14/K2E03	D-182	ACTIVE

DATE	ISSUED FOR	REV
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OWNER

 Sunnybrook  
HEALTH SCIENCES CENTRE

TORONTO, ON, CANADA

Drawing Title

### K-2-E / K-3-E DATA CABLING CONDUIT SCHEMATIC

ELECTRICAL

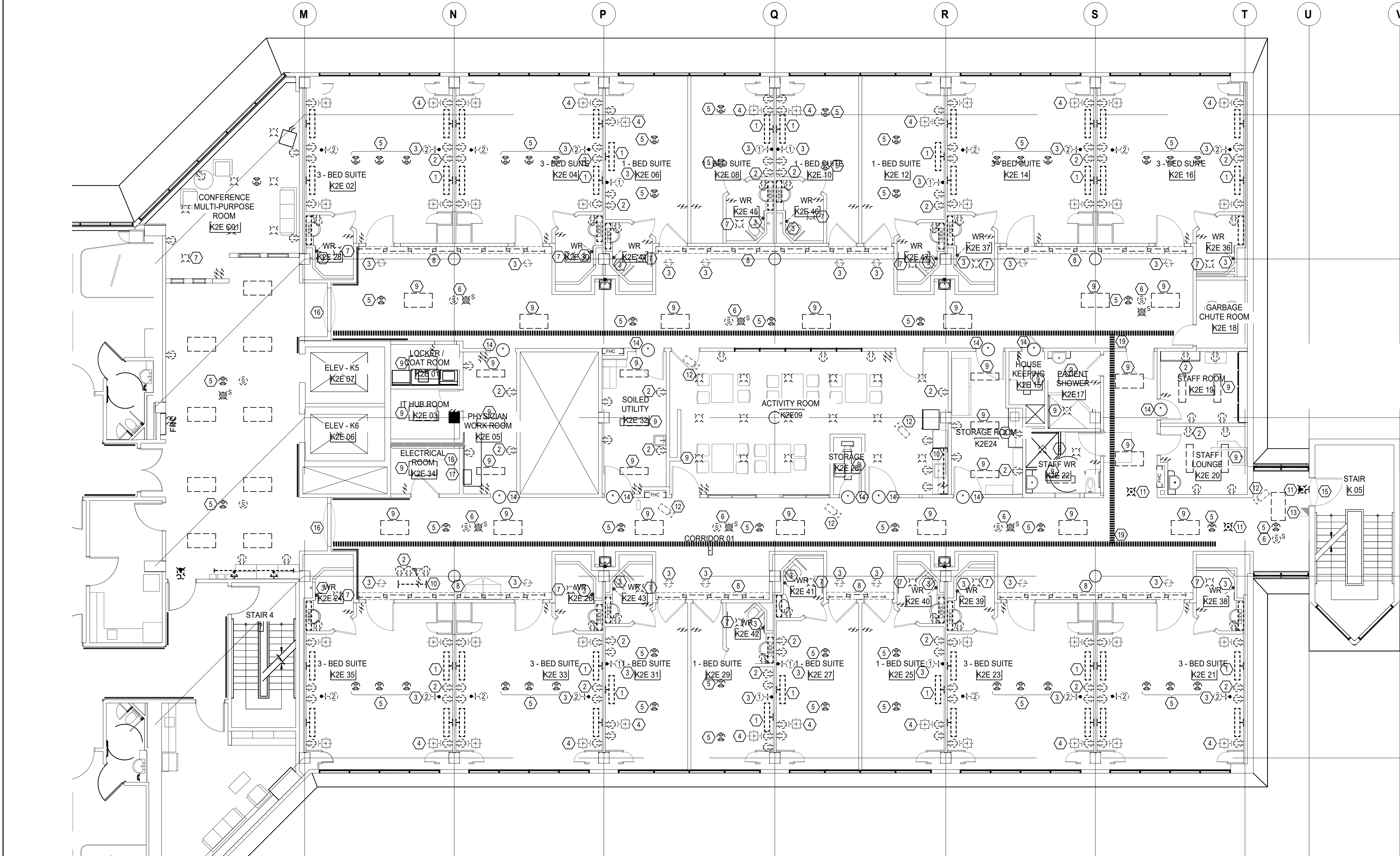
**Scale:** As indicated

Project No. HS1024-0383 (2240067)

Drawing No.

E-2





- DRAWING NOTES:**
- 1 REMOVE EXISTING WALL MOUNTED BEDLIGHT INCLUDING ALL WIRING TO THE SOURCE.
  - 2 REMOVE ALL EXISTING RECEPTACLES INCLUDING ALL WIRING TO THE SOURCE.
  - 3 REMOVE EXISTING NURSE CALL DEVICES, TURN OVER TO THE HOSPITAL. REMOVE ALL WIRING TO THE NURSE CALL PANEL.
  - 4 REMOVE EXISTING TELEVISION OUTLET INCLUDING ALL WIRING TO THE SOURCE.
  - 5 REMOVE EXISTING SMOKE DETECTORS INCLUDING WIRING TO THE SOURCE.
  - 6 REMOVE EXISTING EVAC SPEAKER & FIRE ALARM STROBE LIGHT INCLUDING WIRING TO THE LOCAL DGP.
  - 7 REMOVE EXISTING WASHROOM LIGHTING & SWITCHING INCLUDING ALL WIRING TO THE SOURCE.
  - 8 REMOVE EXISTING COVE LIGHTING INCLUDING WIRING TO THE SOURCE.
  - 9 REMOVE EXISTING FLUORESCENT LIGHTING & SWITCHING INCLUDING WIRING TO THE SOURCE.
  - 10 REMOVE EXISTING TASK LIGHTING & SWITCHING INCLUDING WIRING TO THE SOURCE.
  - 11 REMOVE EXISTING EXIT LIGHTS INCLUDING WIRING TO THE SOURCE.
  - 12 REMOVE EXISTING CCTV CAMERA INCLUDING WIRING TO THE SOURCE.
  - 13 MAINTAIN EXISTING FIRE ALARM PULL-STATION, RE-WIRE TO THE EXISTING FIRE ALARM ZONE.
  - 14 REMOVE EXISTING ACCESS CONTROL INCLUDING ELECTRIC STRIKE, CARD READER AND WIRING TO THE SOURCE.
  - 15 MAINTAIN EXISTING ACCESS CONTROL INCLUDING MAGNETIC LOCK, CARD READER, WIRING, ETC.
  - 16 MAINTAIN EXISTING ACCESS CONTROL INCLUDING MAGNETIC LOCKS, CARD READERS, WIRING, ETC.
  - 17 EXISTING TELEPHONE BACK BOARD TO REMAIN.
  - 18 EXISTING PANELS FROM LEFT TO RIGHT: EP-2EP, EP-2EG, RP-2RJ, RP-2RJ, RP-2RJ, LP-2LC. EXISTING ELECTRICAL PANELS ARE TO REMAIN (WILL BE REPLACED UNDER RENOVATION CONTRACT). SEE ALSO DWG E-107.
  - 19 REMOVE EXISTING IN-CEILING WIREWAY SYSTEM.

**NOTES RE: DEMOLITION**  
**DEMOLITION OF EXISTING ELECTRICAL INSTALLATION**


THIS CONTRACTOR SHALL COMPLETELY REMOVE, RELOCATE OR LEAVE TO REMAIN ALL EXISTING SERVICES IN THE RENOVATED AREA AS REQUIRED FOR CONSTRUCTION. MAINTAIN EXISTING SERVICES WHICH PASS THROUGH THE AREA BUT WHICH FEED ITEMS NOT LOCATED IN THE RENOVATED AREA. RE-WIRE DEVICES WHICH ARE RELOCATED TO THEIR ORIGINAL CIRCUITS WHERE POSSIBLE. LIGHTING, POWER AND SYSTEMS SHUT-DOWNS MUST BE ARRANGED WITH AND AT A TIME CONVENIENT TO THE HOSPITAL'S MAINTENANCE DEPARTMENT AND IF THEY SO WISH BE DELIVERED TO AN AREA IN THE HOSPITAL AS DIRECTED. EQUIPMENT THAT THE HOSPITAL DOES NOT WANT SHALL BE REMOVED FROM THE SITE AS SCRAP BY THIS DIVISION. PROVIDE SEVEN DAYS WRITTEN NOTICE FOR THE POWER SHUT-DOWNS.

**NOTE:**  
EXTENT OF THE DEMOLITION AS SHOWN ON THE PLANS MUST BE INCLUDED IN THE BID. HOWEVER, RECOGNIZING THERE MAY BE ADDITIONAL DEMOLITION REQUIRED BUT NOT SHOWN ON THE PLANS, THE CONTRACTOR IS TO INCLUDE AN ADDITIONAL 200 HOURS LABOUR FOR DEMOLITION THAT IS NOT SHOWN. ANY TIME EXPENDED FROM THIS ALLOWANCE MUST BE APPROVED/SIGNED OFF BY THE HHA CONTRACT ADMINISTRATOR.

**NOTE:**  
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FIRE SAFETY THROUGHOUT THE CONSTRUCTION. TO AID IN THIS, CONTRACTOR WILL BE PERMITTED TO MAINTAIN THE EXISTING CORRIDOR SMOKE DETECTION DEVICES THRU THE CONSTRUCTION, EITHER BEING MAINTAINED IN PLACE OR INSTALLED AS TEMPORARY DEVICES. EXISTING DETECTORS, IF BEING USED FOR TEMPORARY DETECTION THRU THE CONSTRUCTION, SHOULD BE TESTED FOR FUNCTIONALITY, DOES NOT NECESSARILY REQUIRE A CODE COMPLIANT VERIFICATION.

1 WING K, 2ND FLOOR, K-2-E - DEMOLITION PLAN  
E-100 1:100

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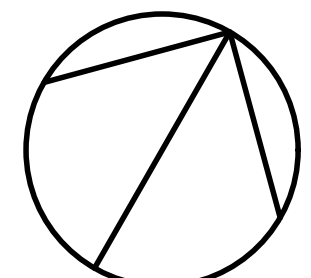
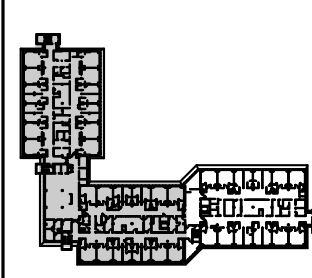


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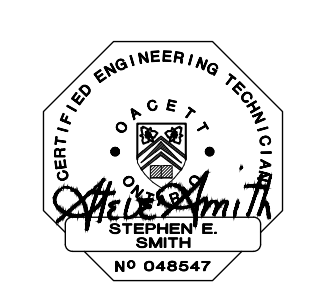
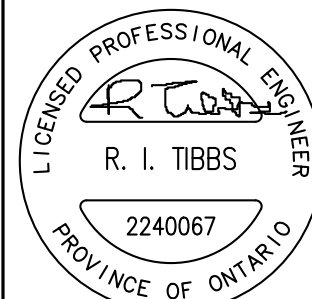
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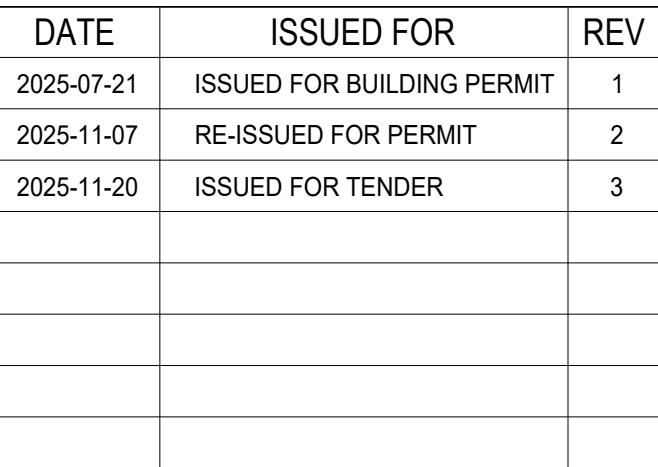


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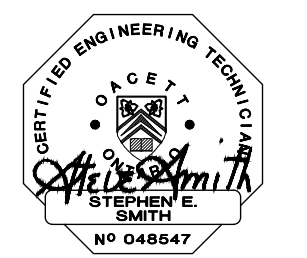
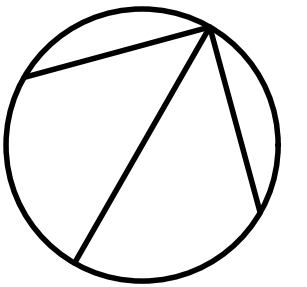
Project Manager S. SMITH	Drawn W. ALAWHEEL
Project Leader S. SMITH	Checked S. SMITH
<b>OWNER</b> 	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> K WING, 2ND FLOOR, K-2-E DEMOLITION PLAN	
<b>ELECTRICAL</b>	
<b>Scale:</b> As indicated	
<b>Project No.</b> HS1024-0383 (2240067)	
<b>Drawing No.</b> E-100	





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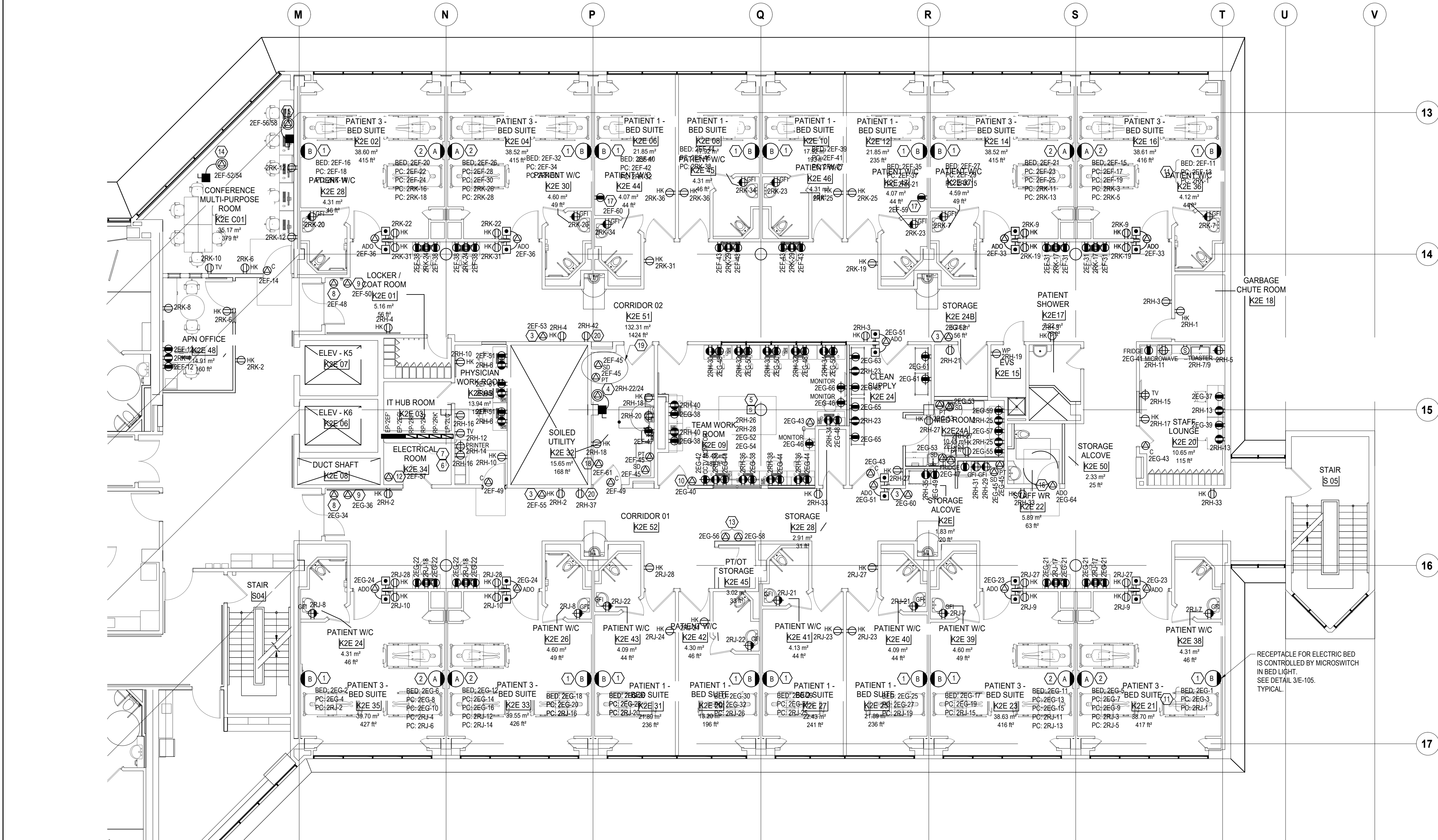
OWNER

 Sunnybrook  
HEALTH SCIENCES CENTRE

Drawing No.

1 WING K, 2ND FLOOR, K-2-E - LIGHTING PLAN  
E-101 1:100






- DRAWING NOTES:**
- 1 TYPICAL ONE BED HEADWALL COMPLETE WITH:  
2-15A, 120V NORMAL POWER RECEPTACLES  
2-15A, 120V EMERGENCY POWER RECEPTACLES  
1-15A, 120V BED RECEPTACLE.  
SEE DETAIL 1/E-105.
  - 2 TYPICAL TWO BED HEADWALL COMPLETE WITH:  
4-15A, 120V NORMAL POWER RECEPTACLES  
4-15A, 120V EMERGENCY POWER RECEPTACLES  
2-15A, 120V BED RECEPTACLE.  
SEE DETAIL 2/E-105.
  - 3 15A, 120V EMERGENCY CIRCUIT IN CEILING SPACE FOR "MECHANICAL CONTROLS".
  - 4 30A, 208V, 1Ø SWITCH & CONNECTION TO "VERNACARE".
  - 5 FLOOR TO CEILING SERVICE POLE COMPLETE WITH :  
4-15A, 120V NORMAL POWER RECEPTACLES &  
2-15A, 120V EMERGENCY POWER RECEPTACLES.  
SEE DETAIL 4/E-105.
  - 6 EXISTING TELEPHONE BACK BOARD TO REMAIN.
  - 7 EXISTING PANELS FROM LEFT TO RIGHT:  
EP-2EP, EP-2EG, RP-2RH, RP-2RJ, RP-2RK, LP-2LC.  
EXISTING ELECTRICAL PANELS ARE TO REMAIN  
(WILL BE REPLACED UNDER RENOVATION CONTRACT).  
SEE ALSO DWG E-107A.
  - 8 15A, 120V ABOVE CEILING EMERGENCY CIRCUIT FOR DOOR CONTROLS.
  - 9 15A, 120V ABOVE CEILING EMERGENCY CIRCUIT FOR WANDERING PATIENT SYSTEM.
  - 10 15A, 120V INTERCOM SYSTEM EMERGENCY CIRCUIT.
  - 11 'BED' DENOTES BED RECEPTACLES CIRCUIT AND 'PC' DENOTES PATIENT CARE RECEPTACLES CIRCUIT. TYPICAL.
  - 12 15A, 120V EMERGENCY CIRCUIT FOR "BAS PANEL".
  - 13 2 @ 15A, 120V EMERGENCY CIRCUITS FOR MEDICAL GAS ALARM PANELS.
  - 14 ON 3RD FLOOR ROOF ABOVE, 30A, 208V, 1Ø WEATHER PROOF UN-FUSED DISCONNECT AND CONNECTION TO ROOF-TOP A/C CONDENSER, CCT # 2EF-52/54.
  - 15 IN ROOM # K2E-001, 30A, 208V, 1Ø UN-FUSED DISCONNECT & CONNECTION TO WALL MOUNTED A/C UNIT, CCT # 2EF-56/58.
  - 16 15A, 120V EMERGENCY CIRCUIT INTERFACE WITH SECURITY SYSTEM.
  - 17 "HEPA FILTER UNITS". CONNECT EACH TO A DEDICATED EMERGENCY CIRCUIT.
  - 18 15A, 120V "ELECTRONIC TRAP PRIMER". CONNECT TO A DEDICATED EMERGENCY CIRCUIT.
  - 19 SEE ALSO 6/E-105, TYPICAL.
  - 20 "WATER BOTTLE FILLER". CONNECT TO A DEDICATED NORMAL POWER CIRCUIT.

NOTE:  
ALL BEDROOMS ARE, AS DEFINED BY CODE, "INTERMEDIATE PATIENT CARE".  
REFER ALSO TO SPECIFICATION SECTIONS 26 07 05 & 26 08 13.

NOTE RE, ELECTRICAL OPERATED DOORS  
FOR EACH 'ADO' PROVIDE A 3 # 12 - 3/4" CONNECTION FROM THE DOOR OPERATOR, AROUND THE FRAME, TO THE ELECTRIC STRIKE PROVIDED WITH THE HARDWARE.

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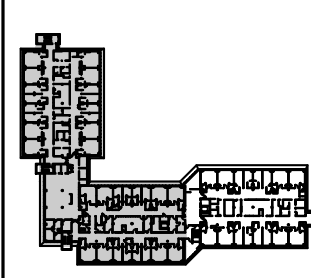


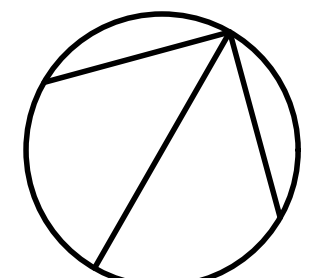
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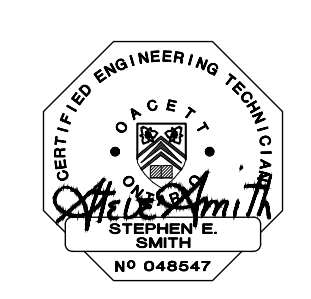
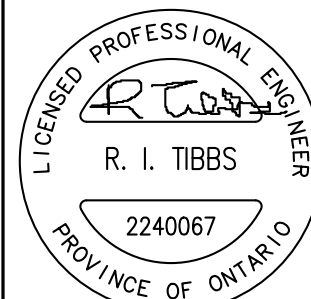
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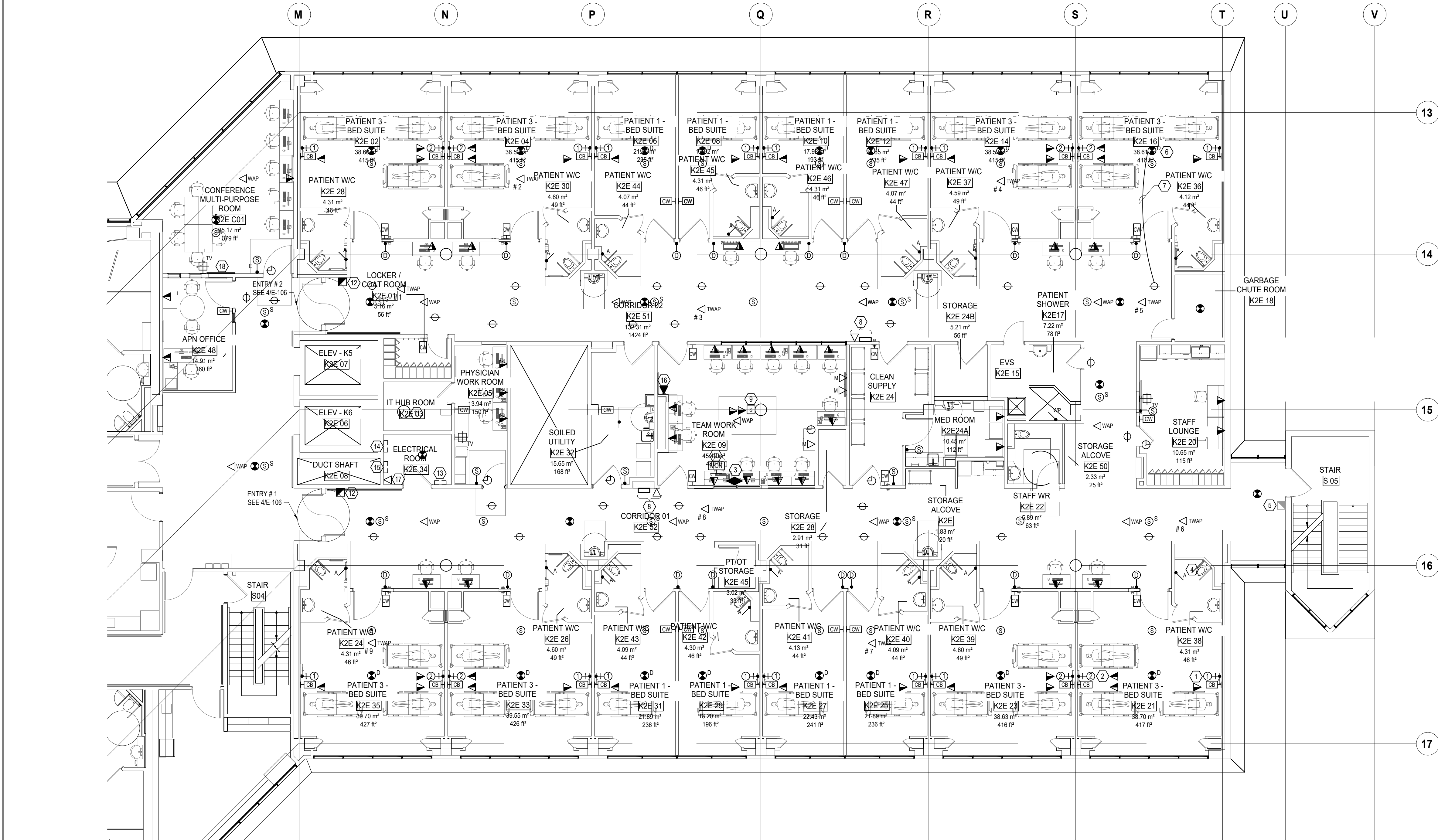


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Project Manager S. SMITH	Drawn W. ALAWHEEL
Project Leader S. SMITH	Checked S. SMITH
<b>OWNER</b> 	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> K WING, 2ND FLOOR, K-2-E POWER PLAN	
ELECTRICAL	
<b>Scale:</b>	As indicated
<b>Project No.</b>	HS1024-0383 (2240067)
<b>Drawing No.</b>	E-102



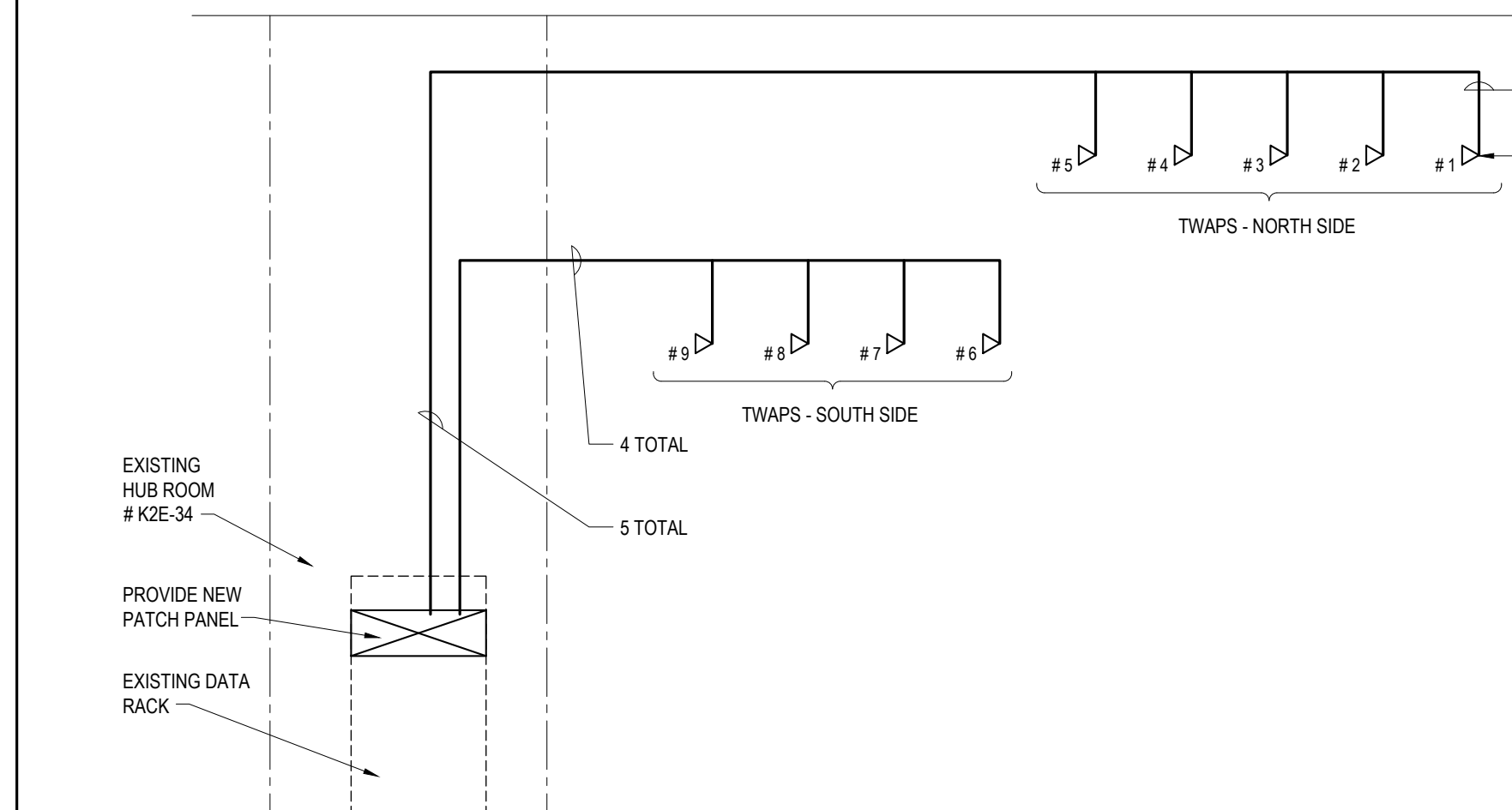


- DRAWING NOTES:**
- 1 IN HEADWALL UNIT, SEE DETAIL 1/E-105. TYPICAL.
  - 2 IN HEADWALL UNIT, SEE DETAIL 2/E-105. TYPICAL.
  - 3 NURSE CALL CONSOLE.
  - 4 NURSE CALL PULL CORD STATION COMPLETE WITH AUDIO. TYPICAL.
  - 5 EXISTING PULL STATION TO REMAIN - WALL NEED TO BE RE-WIRED AS REQUIRED.
  - 6 BED ROOM SMOKE DETECTORS TO HAVE DUAL CONTACTS WITH ONE CONNECTED TO FIRE ALARM AND ONE CONNECTED TO NURSE CALL. TYPICAL.
  - 7 SMOKE DETECTOR IS TO BE CONNECTED TO NURSE CALL. TYPICAL.
  - 8 CLOCK BRIDGE LINK WALL MOUNTED AT +/- 8'-0".
  - 9 PROVIDE FLOOR TO CEILING SERVICE POLE COMPLETE WITH 4 DATA JACKS. SEE ALSO DETAIL 4/E-105.
  - 10 WALL MOUNTED CCTV MONITOR.
  - 11 TERMINATE ALL K-2-E DATA CABLES ON NEW PATCH PANELS IN EXISTING DATA RACK.
  - 12 FIRE ALARM PULL STATION COMPLETE WITH CONNECTION TO FIRE ALARM AND MAG LOCK RELEASE.
  - 13 EXISTING K-2-E KEY SCAN ACCESS CONTROL PANEL.
  - 14 EXISTING K-2-E NURSE CALL PANEL.
  - 15 EXISTING K-2-E FIRE ALARM DGP TO REMAIN.
  - 16 EMERGENCY PHONE.
  - 17 DATA JACK FOR "BAS PANEL".
  - 18 PROVIDE A 4" WALL MOUNTED COLOUR TV.

**NOTE RE:**  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #2 IDENTIFYING THE COST FOR THE ENTIRE K WING 2ND & 3RD FLOOR TELEMETRY CABLING SYSTEM. ELECTRICALLY, THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON K-2-E (DRAWING E-103), ON K-3-E (DRAWING E-203) AND K-3-C (DRAWING E-207).

1 WING K, 2ND FLOOR, K-2-E - SYSTEMS PLAN  
E-103 1:100

2 K-2-E TELEMETRY DATA SYSTEM SCHEMATIC  
E-103 1:100



**NOTE RE:**  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #2 IDENTIFYING THE COST FOR THE ENTIRE K WING 2ND & 3RD FLOOR TELEMETRY CABLING SYSTEM. ELECTRICALLY, THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON K-2-E (DRAWING E-103), ON K-3-E (DRAWING E-203) AND K-3-C (DRAWING E-207).

**NOTE:**  
JACKS, PATCH PANEL, CABLES TO MEET REQUIREMENTS OF SPECIFICATION SECTION 27 15 00

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LICENSED PROFESSIONAL ENGINEER  
R. I. TIBBS  
2240067  
PROVINCE OF ONTARIO

CERTIFIED ENGINEERING TECHNOLOGIST  
STEPHEN E. SMITH  
NO 048547

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Project Manager  
S. SMITH  
Project Leader  
S. SMITH

Drawn  
W. ALAWHEEL  
Checked  
S. SMITH

**OWNER**  
**Sunnybrook**  
HEALTH SCIENCES CENTRE

**Project**  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

**Drawing Title**  
K WING, 2ND FLOOR, K-2-E  
SYSTEMS PLAN

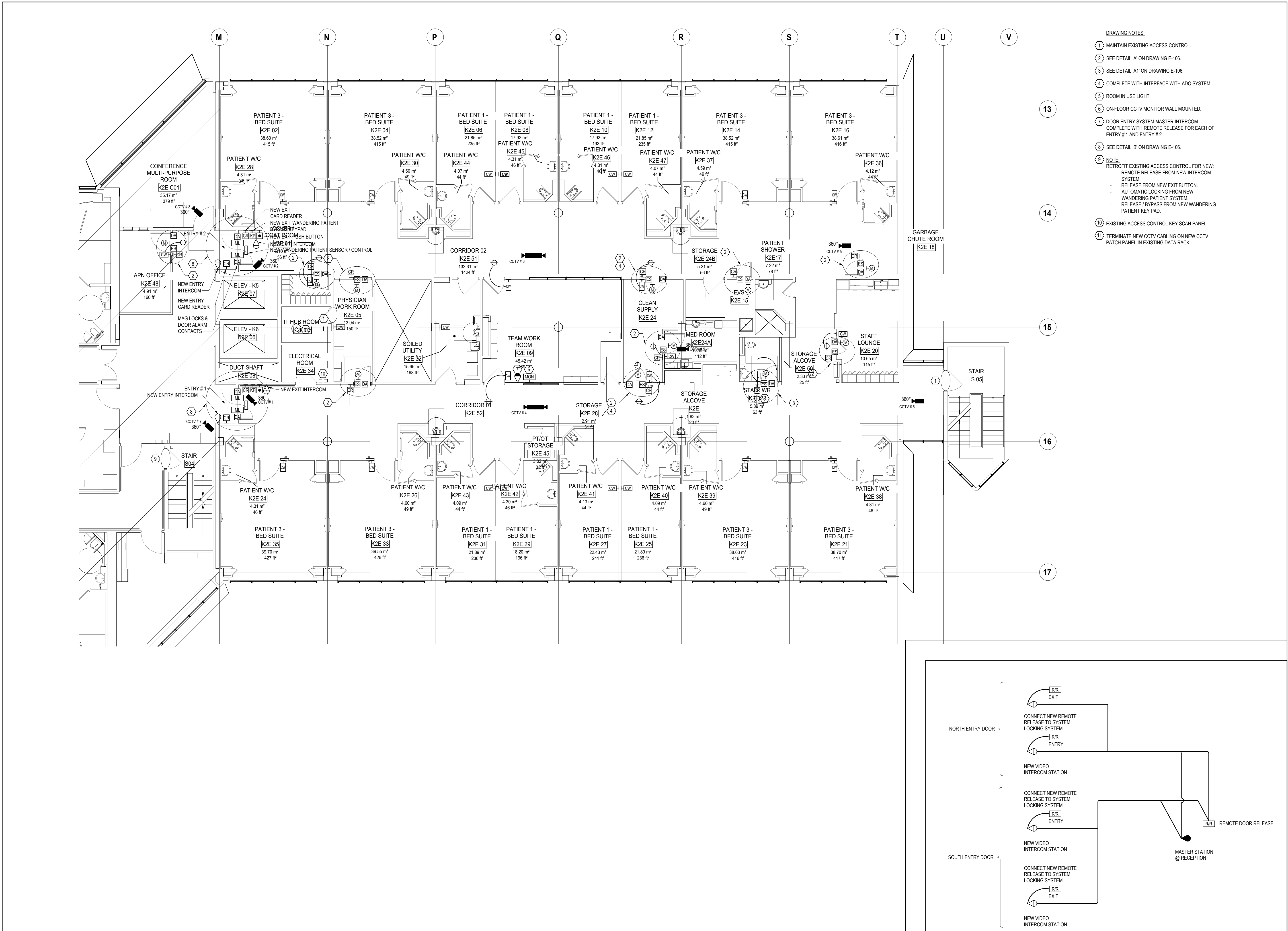
**ELECTRICAL**

**Scale:** As indicated

**Project No.** HS1024-0383 (2240067)

**Drawing No.** E-103





DRAWING NOTES:

- 1 MAINTAIN EXISTING ACCESS CONTROL.
- 2 SEE DETAIL 'A' ON DRAWING E-106.
- 3 SEE DETAIL 'A1' ON DRAWING E-106.
- 4 COMPLETE WITH INTERFACE WITH ADDO SYSTEM.
- 5 ROOM IN USE LIGHT.
- 6 ON-FLOOR CCTV MONITOR WALL MOUNTED.
- 7 DOOR ENTRY SYSTEM MASTER INTERCOM COMPLETE WITH REMOTE RELEASE FOR EACH OF ENTRY # 1 AND ENTRY # 2.
- 8 SEE DETAIL 'B' ON DRAWING E-106.
- 9 NOTE:  
RETROFIT EXISTING ACCESS CONTROL FOR NEW:
  - REMOTE RELEASE FROM NEW INTERCOM SYSTEM.
  - RELEASE FROM NEW EXIT BUTTON.
  - AUTOMATIC LOCKING FROM NEW WANDERING PATIENT SYSTEM.
  - RELEASE / BYPASS FROM NEW WANDERING PATIENT KEY PAD.
- 10 EXISTING ACCESS CONTROL KEY SCAN PANEL.
- 11 TERMINATE NEW CCTV CABLEING ON NEW CCTV PATCH PANEL IN EXISTING DATA RACK.

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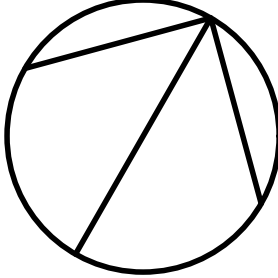


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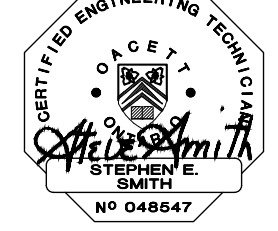
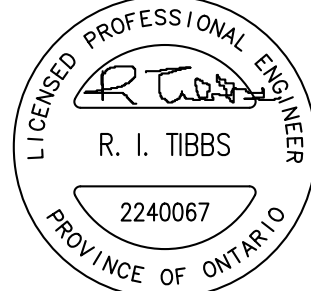
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Project Manager  
S. SMITH

Project Leader  
S. SMITH

Owner  


Project  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

Drawing Title  
K WING, 2ND FLOOR, K-2-E  
SECURITY PLAN

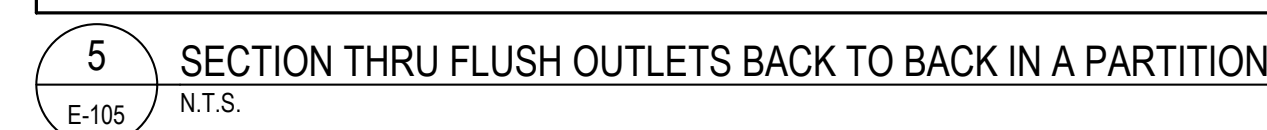
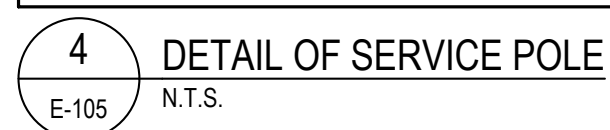
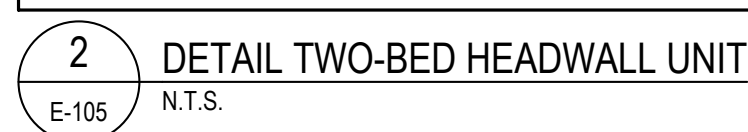
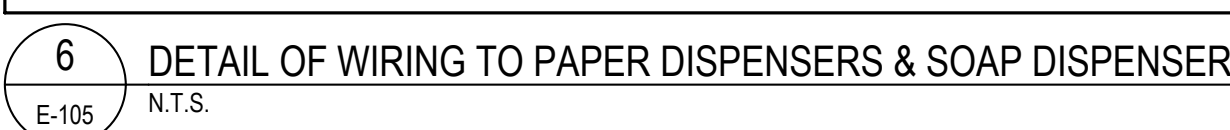
ELECTRICAL


Scale: As indicated

Project No. HS1024-0383 (2240067)

Drawing No. E-104



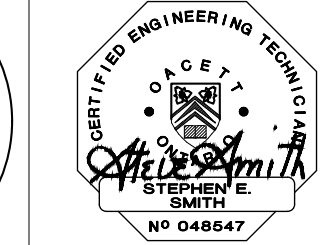
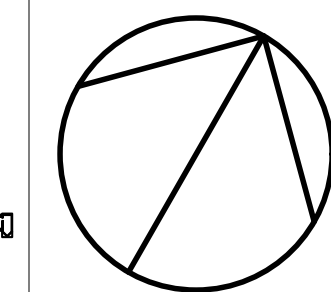


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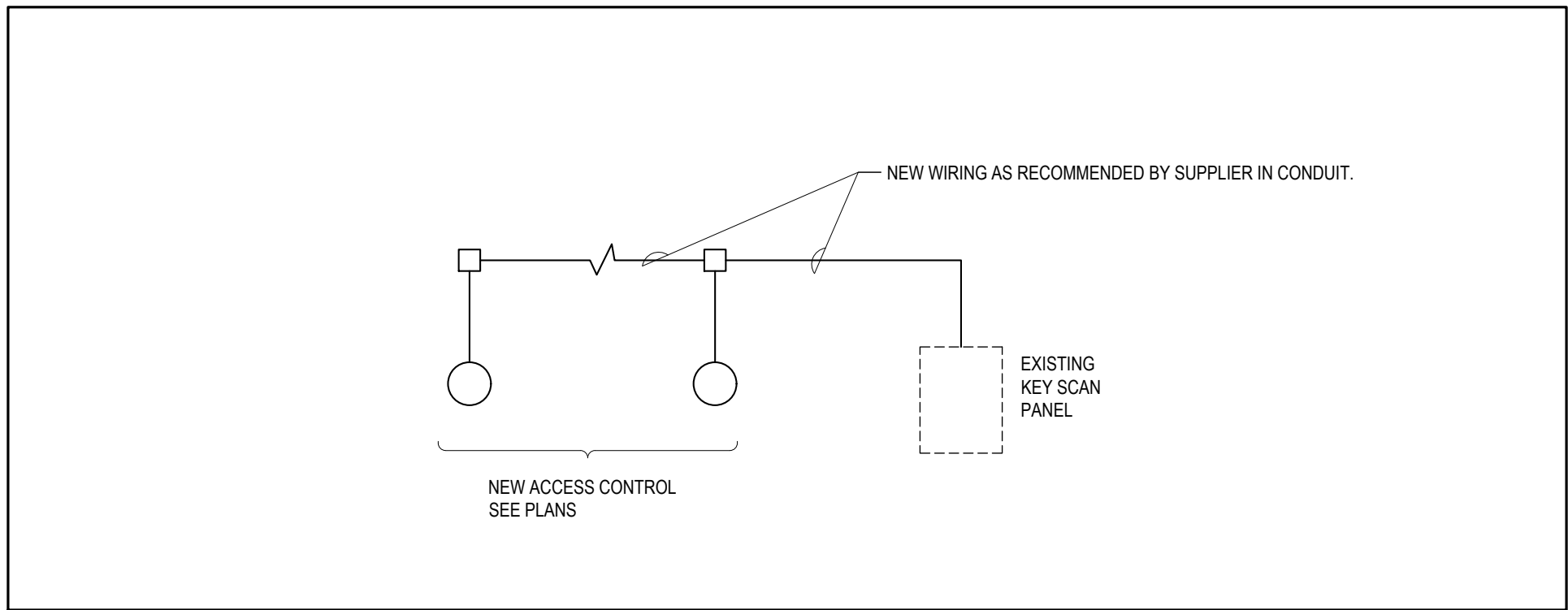
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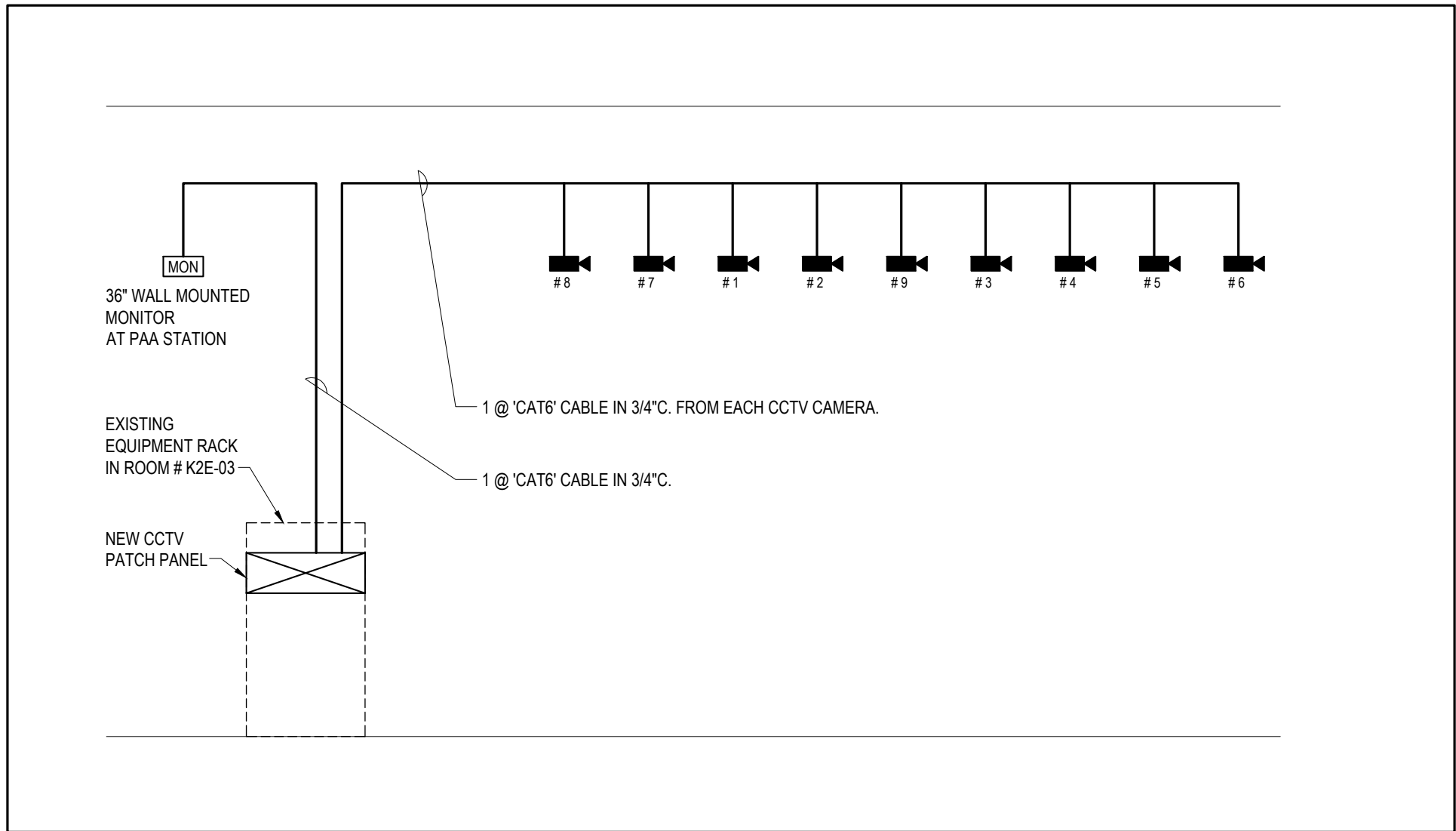
E-105

E-105

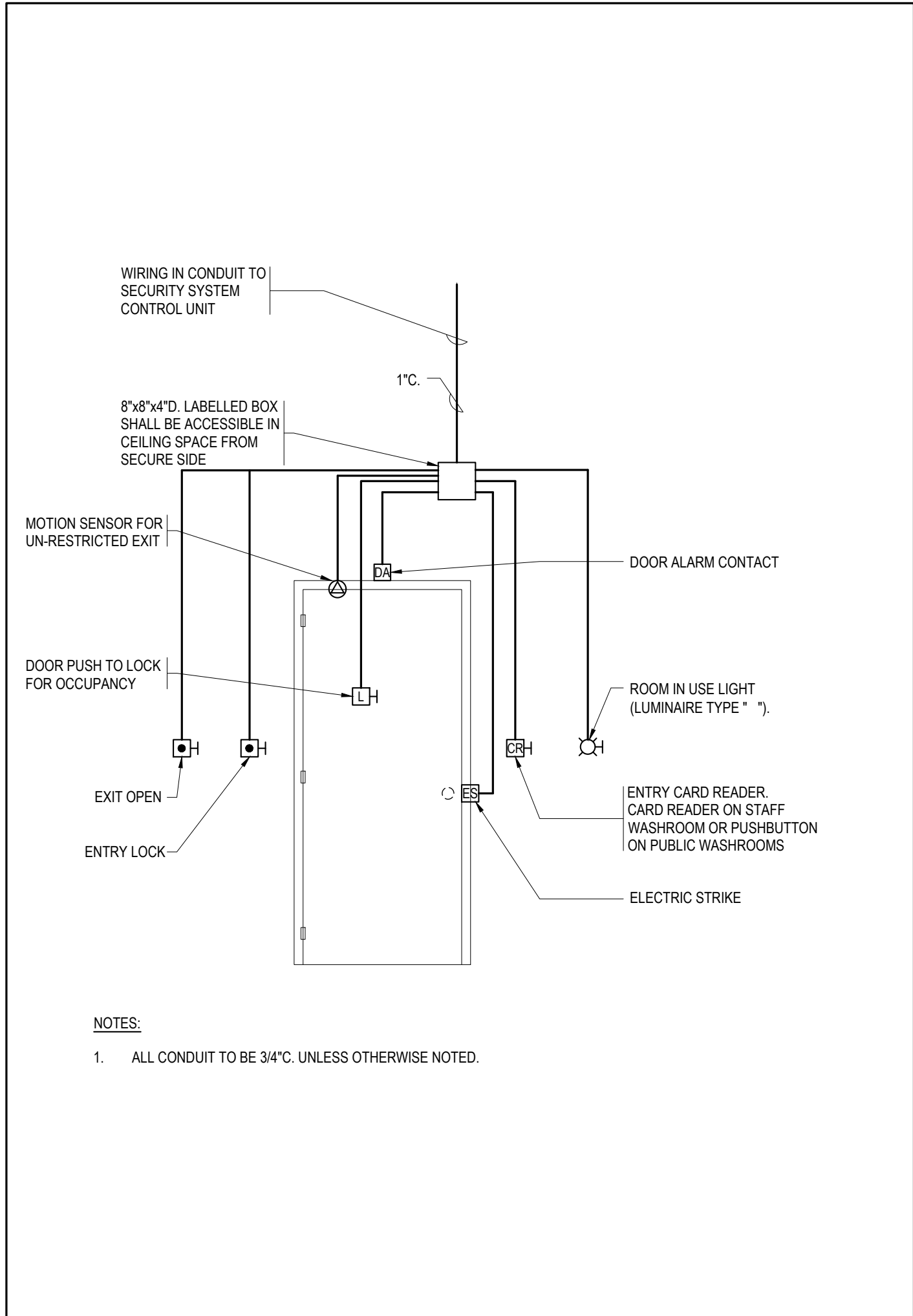




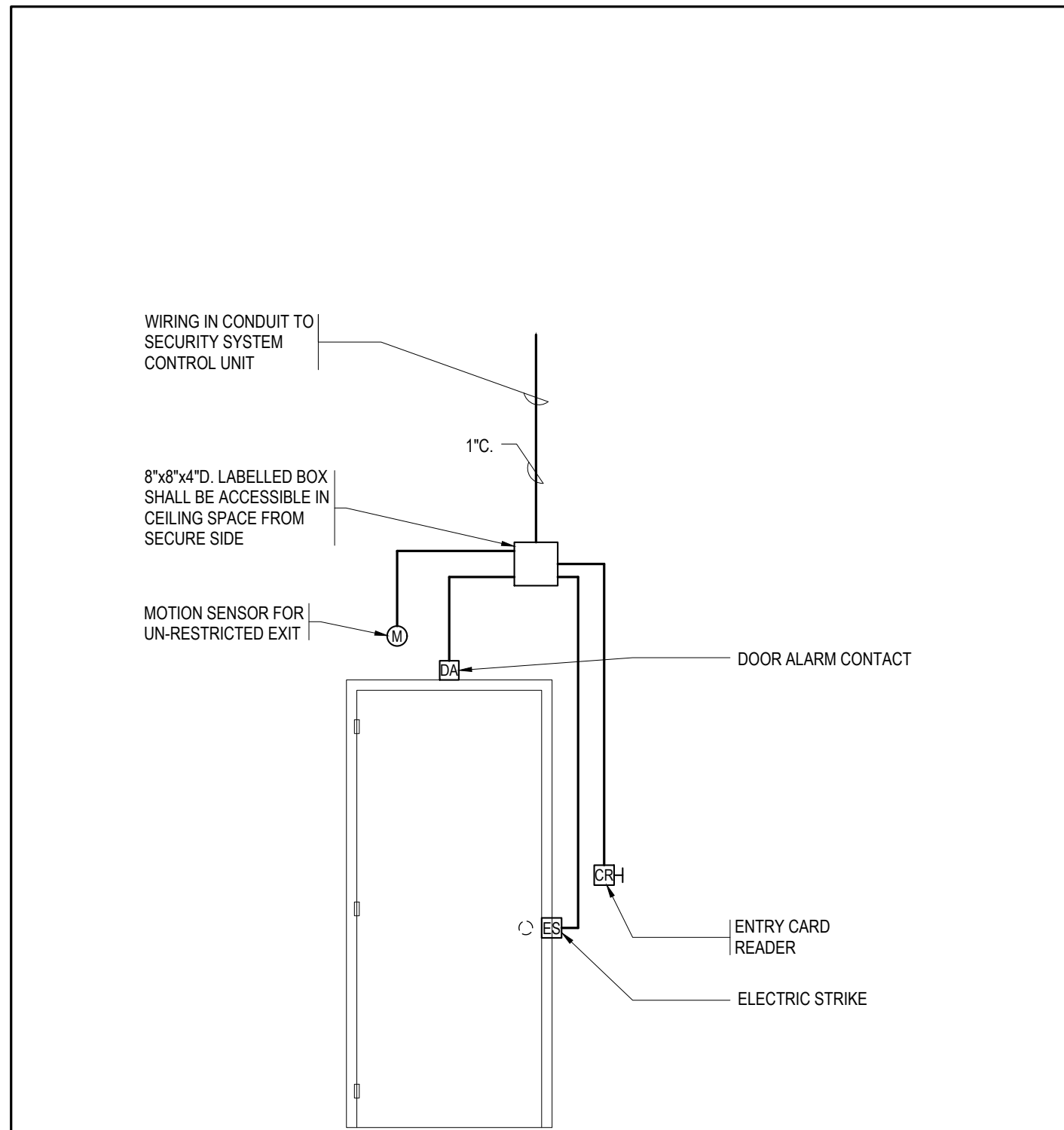
1 ACCESS CONTROL WIRING SCHEMATIC  
N.T.S.



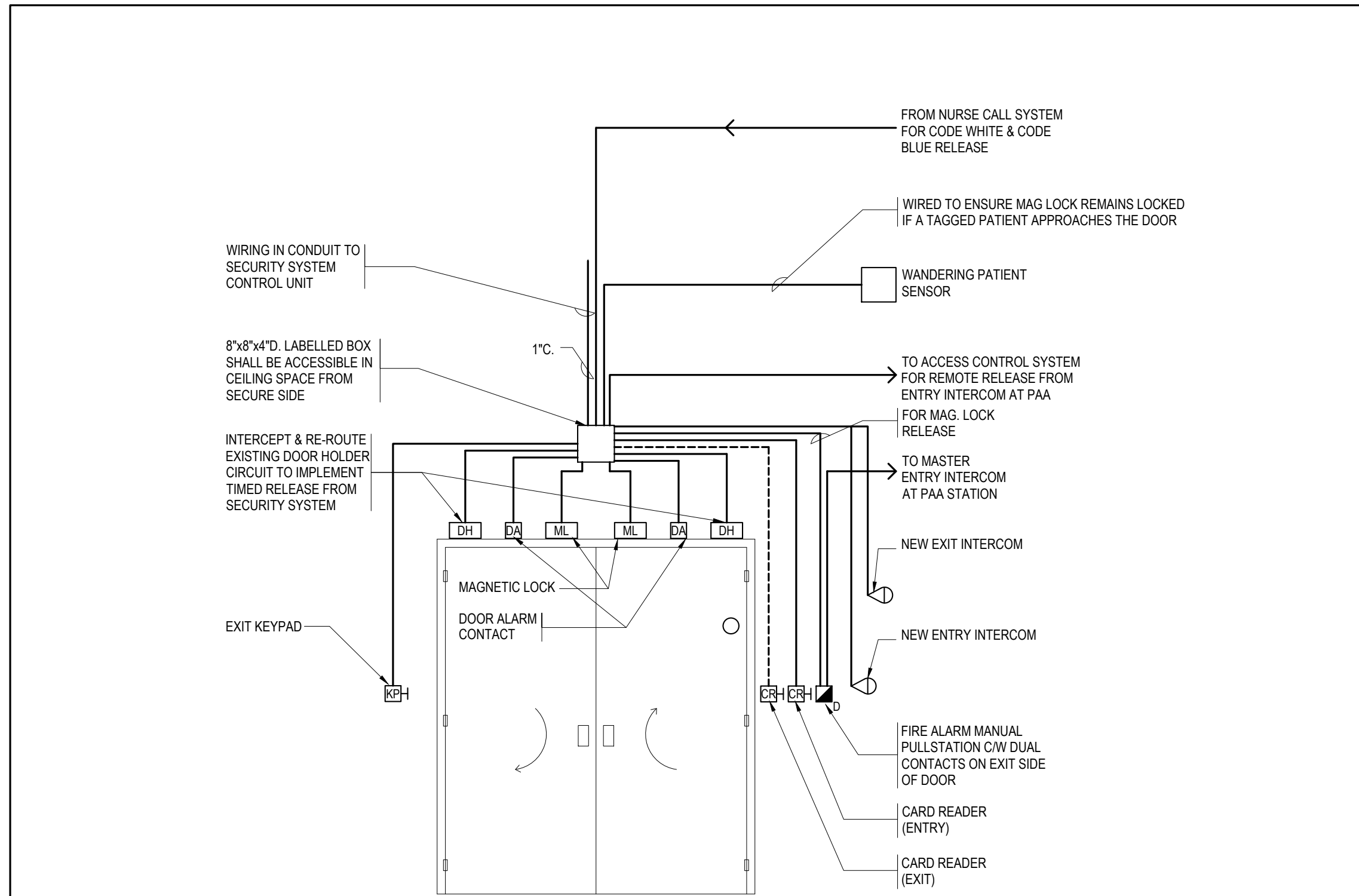
2 CCTV SCHEMATIC  
N.T.S.



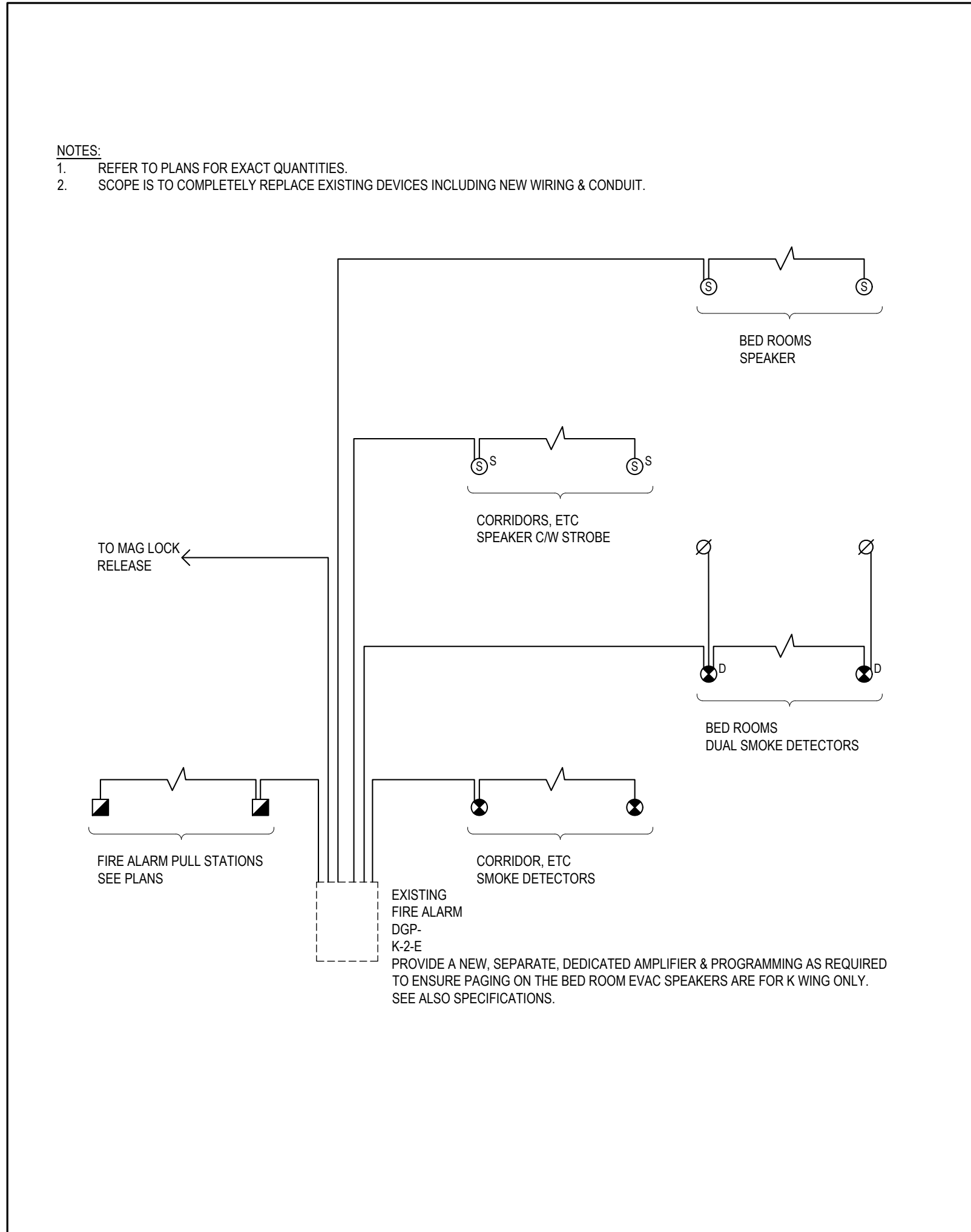
5 SECURITY DOOR TYP 'A'1  
N.T.S.



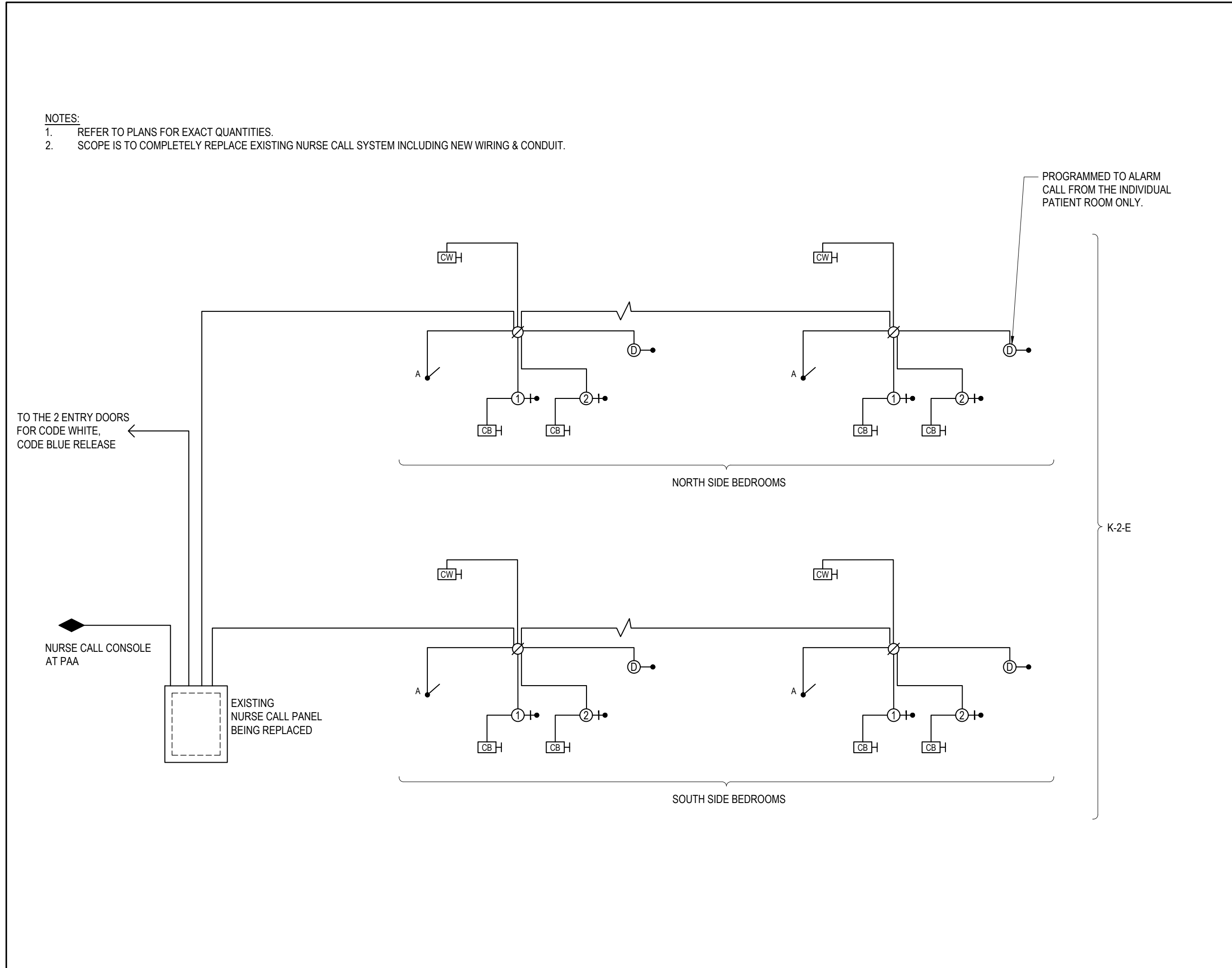
3 SECURITY DOOR TYP 'A'  
N.T.S.



4 SECURITY DOOR TYP 'B'  
N.T.S.



6 FIRE ALARM WIRING SCHEMATIC  
N.T.S.



7 NURSE CALL WIRING SCHEMATIC  
N.T.S.

DATE	ISSUED FOR	REV
2025-07-21	ISSUED FOR BUILDING PERMIT	1
2025-11-07	RE-ISSUED FOR PERMIT	2
2025-11-20	ISSUED FOR TENDER	3

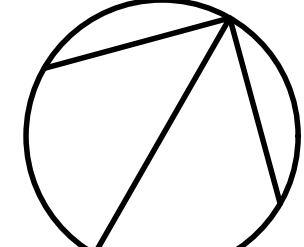
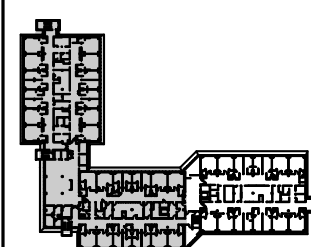


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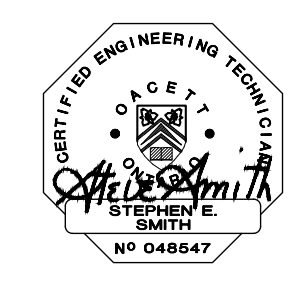
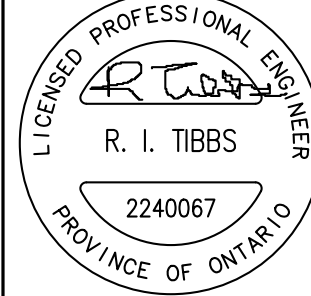
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North Arrow



Seal(s)



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Project Manager

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Drawn

W. ALAWHEEL

Project Leader

S. SMITH

Checked

S. SMITH

OWNER



Project  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

Drawing Title  
2ND FLOOR, SECURITY DETAILS

ELECTRICAL

Scale: As indicated

Project No. HS1024-0383 (2240067)

Drawing No.

E-106





2 EXISTING PANEL LP-2LC'  
E-107A N.T.S.



5 EXISTING PANEL RP-2RJ'  
E-107A N.T.S.



8 EXISTING PANEL EP-2EF'  
E-107A N.T.S.



3 EXISTING PANEL RP-2RH'  
E-107A N.T.S.



6 EXISTING PANEL RP-2RK'  
E-107A N.T.S.



4 ELEVATION OF EXISTING ELECTRICAL CLOSET  
E-107A N.T.S.



7 EXISTING PANEL EP-2EG'  
E-107A N.T.S.

NOTES RE: ELECTRICAL PANEL REPLACEMENT

REPLACE EXISTING PANELS AS FOLLOWS:

DISCONNECT AND REMOVE ANY ALL EXISTING CIRCUITS NO LONGER REQUIRED BASED ON THE RENOVATION

REPLACE EXISTING LP-2LC: FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW LP-2LC: PROVIDE NEW RP-2LC BEING A SURFACE MOUNTED, 42 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING RP-2RH: FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-2RH: PROVIDE NEW RP-2RH BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

EXISTING RP-2RJ: FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-2RJ: PROVIDE NEW RP-2RJ BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING RP-2RK: FED FROM DP-BBB (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-2RK: PROVIDE NEW RP-2RK BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING EP-2EG: FED FROM DP-BEAA (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW EP-2EG: PROVIDE NEW EP-2EG BEING A SURFACE MOUNTED, 84 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING EP-2EF: FED FROM DP-BEAA (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW EP-2EF: PROVIDE NEW EP-2EF BEING A SURFACE MOUNTED, 84 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

NEW REPLACEMENT PANELS:

NEW PANELS SHALL BE SQUARE D "NARROW" STYLE RETROFIT PANEL C/W A 200 AMP, 3 POLE NON-AUTO MAIN BREAKERS WITH COPPER BUS.

PANELS SHALL HAVE 25KA IC RATING AND MUST BE SAME WIDTH AS THE EXISTING PANEL (SEE PICTURE). PROVIDE A NEW SPLITTER, MAIN LUGS AS REQUIRED AND EXTEND/ RE-CONNECT EXISTING 200 AMP FEED. RE-WORK EXISTING INSTALLATION AS REQUIRED TO REPLACE THE PANEL. RE-CONNECT ALL EXISTING BRANCH CIRCUITS AND ALL NEW BRANCH CIRCUITS TO NEW BREAKERS IN THE NEW PANEL.

PROVIDE A NEW ISOLATED COPPER GROUND BAR IN EACH PANEL C/W A #6 INSULATED GROUNDING BOND TO THE PANEL TUB.

FOR LP-2LC, RP-2RH, RP-2RJ, RP-2RK, EP-2EF & EP-2EG PROVIDE A #6 INSULATED GROUND IN 1" CONDUIT CONNECTION TO EACH OF THE NEW PANELS

LEAVE ANY UN-USED BREAKERS IN THE OFF POSITION AND PROVIDE A LOCK-OFF DEVICES.

PANELS ARE ALL NORMAL POWER AND MUST BE COLOUR CODED SAME, AS PER SPEC

NOTES:

1. INCLUDE THE FOLLOWING ADDITIONAL BRANCH BREAKERS TO BE INSTALLED IN THE ABOVE PANELS, FOR BIDDING PURPOSES ASSUME THE BREAKERS WILL BE INSTALLED ON SITE AT ANY TIME (AFTER PANELS HAVE BEEN INSTALLED & ENERGIZED) AND AS DIRECTED ON SITE. ANY BREAKERS NOT USED SHALL BE TURNED OVER TO THE HOSPITAL.

15 @ 15A, 1P:  
5 @ 15A, 2P:-- @ 20A, 2P  
6 @20A, 1P

NOTE:

EACH OF THE EXISTING ELECTRICAL PANELS BEING REPLACED HAVE CURRENT, AFFIXED ARC FLASH LABELS. AN IDENTICAL VERSION OF THE EXISTING PANEL LABEL NEED TO BE PROVIDED FOR ALL NEW ELECTRICAL PANELS

DRAWING NOTES:

1) EXISTING TELEPHONE BACK BOARD TO REMAIN.

2) EXISTING PANELS FROM LEFT TO RIGHT:  
EP-2EF, EP-2EG, RP-2RH, RP-2RJ, RP-2RK, LP-2LC.  
EXISTING ELECTRICAL PANELS ARE TO BE REPLACED (WILL BE REPLACED UNDER RENOVATION CONTRACT).

1 PLAN OF EXISTING ELECTRICAL ROOM  
E-107A 1:50



9 TYPICAL NEW PANEL WIDTH  
E-107A N.T.S.



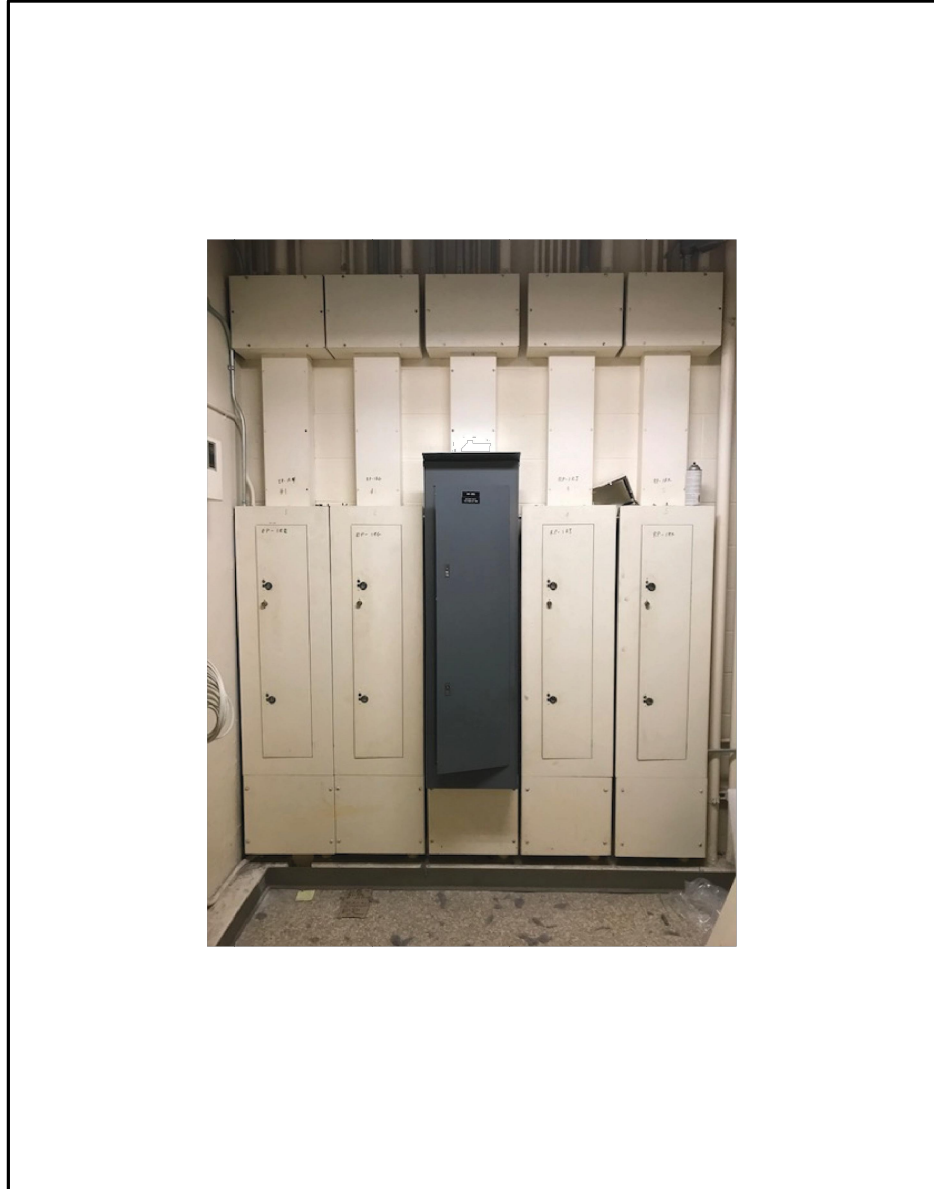
10 TYPICAL NEW PANEL OVERALL NEW  
E-107A N.T.S.



11 TYPICAL REPLACEMENT PANEL LABELS  
E-107A N.T.S.

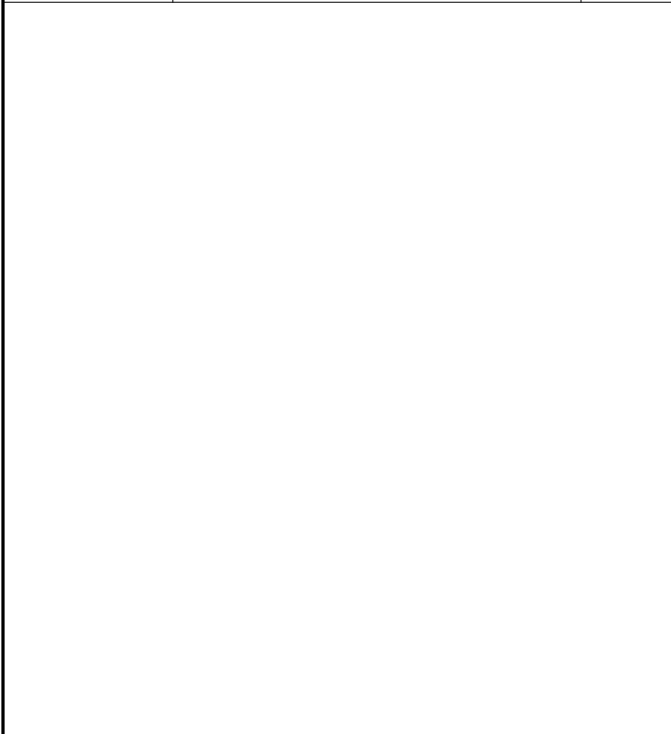


12 TYPICAL REPLACEMENT PANEL LABELS  
E-107A N.T.S.



13 TYPICAL REPLACEMENT DETAILS  
E-107A N.T.S.

DATE	ISSUED FOR	REV
2025-07-21	ISSUED FOR BUILDING PERMIT	1
2025-11-07	RE-ISSUED FOR PERMIT	2
2025-11-20	ISSUED FOR TENDER	3

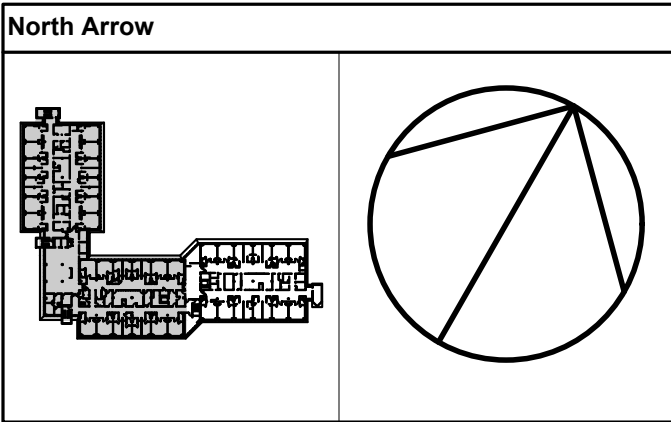


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**Seal(s)**

LICENSED PROFESSIONAL ENGINEER  
R. I. TIBBS  
2240067  
PROVINCE OF ONTARIO

CERTIFIED ENGINEERING TECHNOLOGIST  
STEPHEN E. SMITH  
NO 048547

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Project Manager S. SMITH	Drawn W.ALAWHEEL
Project Leader S. SMITH	Checked S.SMITH
<b>OWNER</b> 	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> 2ND FLOOR, ELECTRICAL PANELS REPLACEMENT DETAILS	
ELECTRICAL	
<b>Scale:</b>	As indicated
<b>Project No.</b>	HS1024-0383 (2240067)
<b>Drawing No.</b>	E-107A





2 EXISTING PANEL LP-'3LC'  
E-107B N.T.S.



5 EXISTING PANEL RP-'3RJ'  
E-107B N.T.S.



8 EXISTING PANEL EP-'3EF'  
E-107B N.T.S.



3 EXISTING PANEL RP-'3RH'  
E-107B N.T.S.



6 EXISTING PANEL RP-'3RK'  
E-107B N.T.S.



4 ELEVATION OF EXISTING ELECTRICAL CLOSET  
E-107B N.T.S.



7 EXISTING PANEL EP-'3EG'  
E-107B N.T.S.

NOTES RE: ELECTRICAL PANEL REPLACEMENT

REPLACE EXISTING PANELS AS FOLLOWS:

DISCONNECT AND REMOVE ANY ALL EXISTING CIRCUITS NO LONGER REQUIRED BASED ON THE RENOVATION

REPLACE EXISTING LP-3LC, FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW LP-3LC, PROVIDE NEW LP-3LC BEING A SURFACE MOUNTED, 42 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING RP-3RH, FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-3RH, PROVIDE NEW RP-3RH BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

EXISTING RP-3RJ, FED FROM DP-BBB (SEE PICTURE), BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-3RJ, PROVIDE NEW RP-3RJ BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING RP-3RK, FED FROM DP-BBB (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW RP-3RK, PROVIDE NEW RP-3RK BEING A SURFACE MOUNTED, 74 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING EP-3EG, FED FROM DP-BEAA (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW EP-3EG, PROVIDE NEW EP-3EG BEING A SURFACE MOUNTED, 84 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

REPLACE EXISTING EP-3EF, FED FROM DP-BEAA (SEE PICTURE) BEING A 42 CIRCUIT, 120/208 VOLT, 3 PHASE, 4 WIRE PANEL, BY DISCONNECTING EXISTING FEEDS, REMOVING EXISTING PANEL INTERIOR, INSTALLING NEW EP-3EF, PROVIDE NEW EP-3EF BEING A SURFACE MOUNTED, 84 CIRCUIT, 200 AMP, 120/208V, 3P, 4W PANEL.

NEW REPLACEMENT PANELS:

NEW PANELS SHALL BE SQUARE D "NARROW" STYLE RETROFIT PANEL C/W A 200 AMP, 3 POLE NON-AUTO MAIN BREAKERS WITH COPPER BUS.

PANELS SHALL HAVE 25KA IC RATING AND MUST BE SAME WIDTH AS THE EXISTING PANEL (SEE PICTURE). PROVIDE A NEW SPLITTER, MAIN LUGS AS REQUIRED AND EXTEND/ RE-CONNECT EXISTING 200 AMP FEED. RE-WORK EXISTING INSTALLATION AS REQUIRED TO REPLACE THE PANEL. RE-CONNECT ALL EXISTING BRANCH CIRCUITS AND ALL NEW BRANCH CIRCUITS TO NEW BREAKERS IN THE NEW PANEL.

PROVIDE A NEW ISOLATED COPPER GROUND BAR IN EACH PANEL C/W A #6 INSULATED GROUNDING BOND TO THE PANEL TUB.

FOR LP-3LC, RP-3RH, RP-3RK, EP-3EF & EP-3EG PROVIDE A #6 INSULATED GROUND IN 1" CONDUIT CONNECTION TO EACH OF THE NEW PANELS

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PANELS ARE ALL NORMAL POWER AND MUST BE COLOUR CODED SAME, AS PER SPEC

NOTES:

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15 @ 15A, 1P:  
5 @ 15A, 2P, -- @ 20A, 2P  
6 @ 20A, 1P

NOTE:

EACH OF THE EXISTING ELECTRICAL PANELS BEING REPLACED HAVE CURRENT, AFFIXED ARC FLASH LABELS. AN IDENTICAL VERSION OF THE EXISTING PANEL LABEL NEED TO BE PROVIDED FOR ALL NEW ELECTRICAL PANELS

DRAWING NOTES:

1 EXISTING TELEPHONE BACK BOARD TO REMAIN.

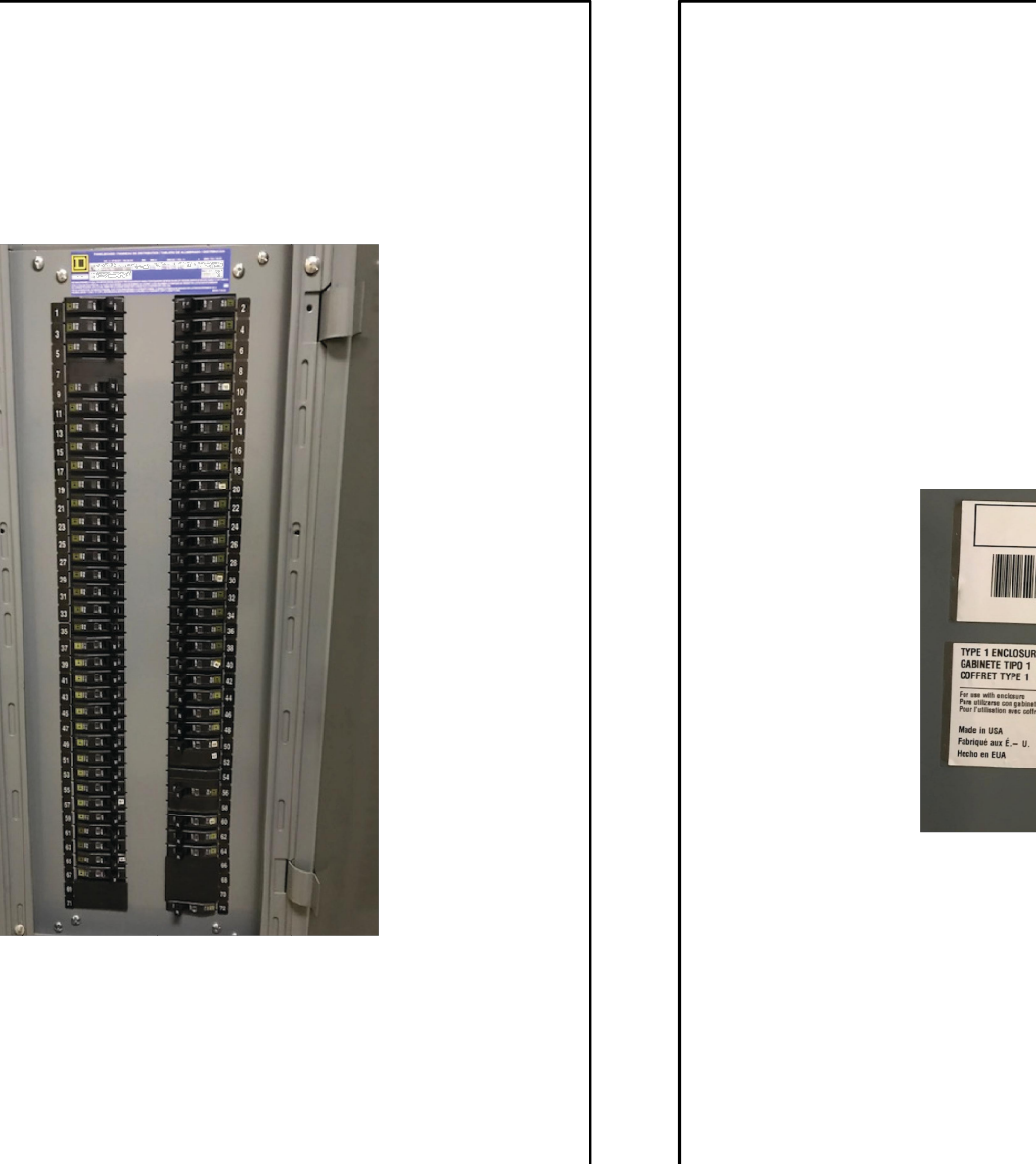
2 EXISTING PANELS FROM LEFT TO RIGHT: EP-3EF, EP-3EG, RP-3RH, RP-3RJ, RP-3RK, LP-3LC. EXISTING ELECTRICAL PANELS ARE TO BE REPLACED (WILL BE REPLACED UNDER RENOVATION CONTRACT).

PLAN OF EXISTING ELECTRICAL ROOM  
K3E 34  
1:50

1 PLAN OF EXISTING ELECTRICAL ROOM  
E-107B 1:50



9 TYPICAL NEW PANEL WIDTH  
E-107B N.T.S.



10 TYPICAL NEW PANEL OVERALL NEW  
E-107B N.T.S.



11 TYPICAL REPLACEMENT PANEL LABELS  
E-107B N.T.S.



12 TYPICAL REPLACEMENT PANEL LABELS  
E-107B N.T.S.

DATE	ISSUED FOR	REV
2025-07-21	ISSUED FOR BUILDING PERMIT	1
2025-11-07	RE-ISSUED FOR PERMIT	2
2025-11-20	ISSUED FOR TENDER	3

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Seal(s)

LICENSED PROFESSIONAL ENGINEER  
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2240067  
PROVINCE OF ONTARIO

CERTIFIED ENGINEERING TECHNOLOGIST  
STEPHEN E. SMITH  
NO 048547

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norr.com

Project Manager  
S. SMITH

Project Leader  
S. SMITH

Drawn  
W.ALAWHEEL

Checked  
S.SMITH

OWNER  
**Sunnybrook**  
HEALTH SCIENCES CENTRE

Project  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

Drawing Title  
3RD FLOOR, ELECTRICAL PANELS  
REPLACEMENT DETAILS

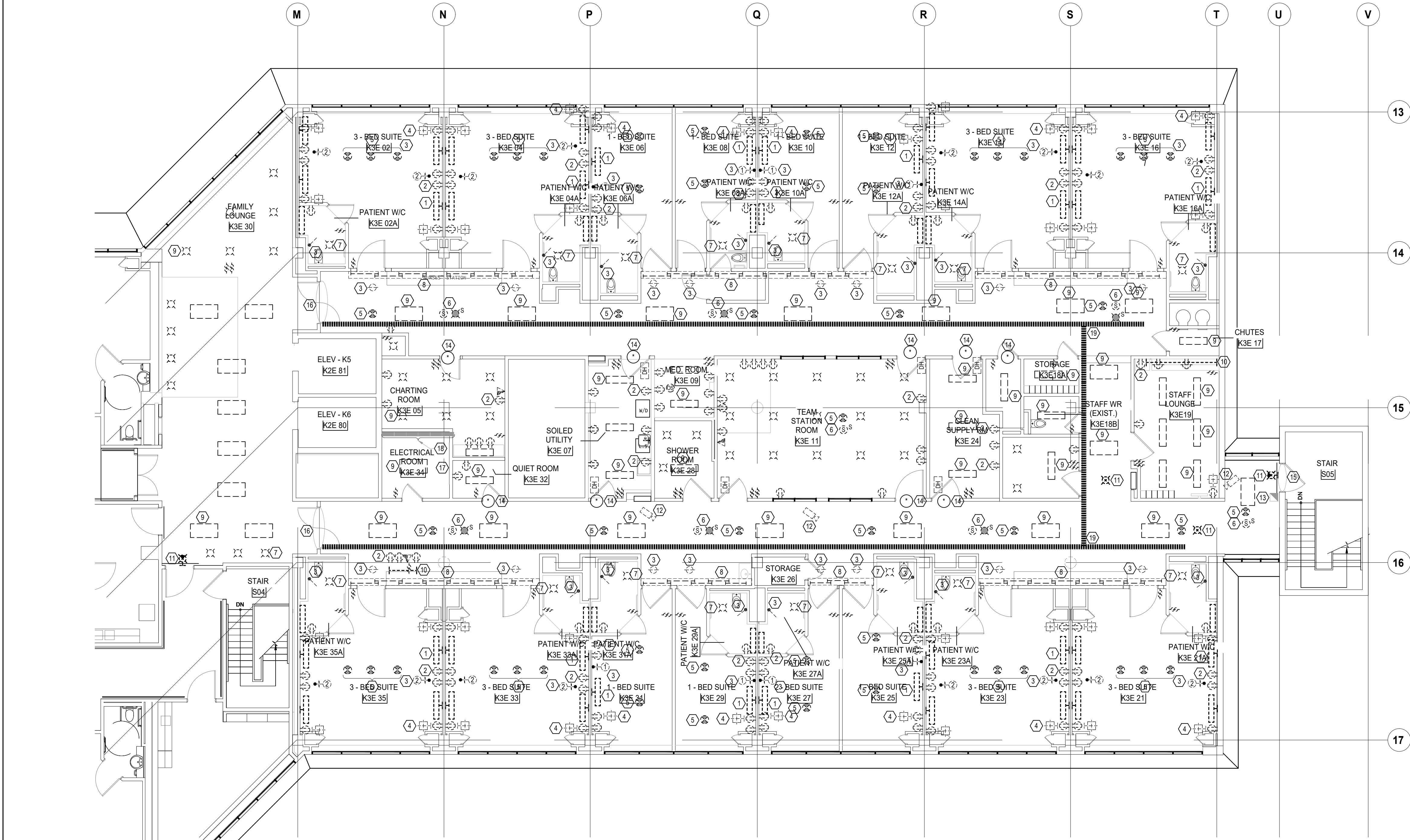
ELECTRICAL

Scale: As indicated

Project No. HS1024-0383 (2240067)

Drawing No. E-107B





DRAWING NOTES:

- 1 REMOVE EXISTING WALL MOUNTED BEDLIGHT INCLUDING ALL WIRING TO THE SOURCE.
- 2 REMOVE ALL EXISTING RECEPTACLES INCLUDING ALL WIRING TO THE SOURCE.
- 3 REMOVE EXISTING NURSE CALL DEVICES, TURN OVER TO THE HOSPITAL. REMOVE ALL WIRING TO THE NURSE CALL PANEL.
- 4 REMOVE EXISTING TELEVISION OUTLET INCLUDING ALL WIRING TO THE SOURCE.
- 5 REMOVE EXISTING SMOKE DETECTORS INCLUDING WIRING TO THE SOURCE.
- 6 REMOVE EXISTING EVAC SPEAKER & FIRE ALARM STROBE LIGHT INCLUDING WIRING TO THE LOCAL DGP.
- 7 REMOVE EXISTING WASHROOM LIGHTING & SWITCHING INCLUDING ALL WIRING TO THE SOURCE.
- 8 REMOVE EXISTING COVE LIGHTING INCLUDING WIRING TO THE SOURCE.
- 9 REMOVE EXISTING FLUORESCENT LIGHTING & SWITCHING INCLUDING WIRING TO THE SOURCE.
- 10 REMOVE EXISTING TASK LIGHTING & SWITCHING INCLUDING WIRING TO THE SOURCE.
- 11 REMOVE EXISTING EXIT LIGHTS INCLUDING WIRING TO THE SOURCE.
- 12 REMOVE EXISTING CCTV CAMERA INCLUDING WIRING TO THE SOURCE.
- 13 MAINTAIN EXISTING FIRE ALARM PULL-STATION, RE-WIRE TO THE EXISTING FIRE ALARM ZONE.
- 14 REMOVE EXISTING ACCESS CONTROL INCLUDING ELECTRIC STRIKE, CARD READER AND WIRING TO THE SOURCE.
- 15 MAINTAIN EXISTING ACCESS CONTROL INCLUDING MAGNETIC LOCK, CARD READER, WIRING, ETC.
- 16 MAINTAIN EXISTING ACCESS CONTROL INCLUDING MAGNETIC LOCKS, CARD READERS, WIRING, ETC.
- 17 EXISTING TELEPHONE BACK BOARD TO REMAIN.
- 18 EXISTING PANELS FROM LEFT TO RIGHT:  
EP-3EP, EP-3EG, RP-3RH, RP-3RJ, RP-3RK, LP-3LC.  
EXISTING ELECTRICAL PANELS ARE TO REMAIN  
(WILL BE REPLACED UNDER RENOVATION CONTRACT).  
SEE ALSO DWG E-205.
- 19 REMOVE EXISTING IN-CEILING WIREWAY SYSTEM.

NOTES RE: DEMOLITION

DEMOLITION OF EXISTING ELECTRICAL INSTALLATION

THIS CONTRACTOR SHALL COMPLETELY REMOVE, RELOCATE OR LEAVE TO REMAIN ALL EXISTING SERVICES IN THE RENOVATED AREA AS REQUIRED FOR CONSTRUCTION. MAINTAIN EXISTING SERVICES WHICH PASS THROUGH THE AREA BUT WHICH FEED ITEMS NOT LOCATED IN THE RENOVATED AREA. RE-WIRE DEVICES WHICH ARE RELOCATED TO THEIR ORIGINAL CIRCUITS WHERE POSSIBLE. LIGHTING, POWER AND SYSTEMS SHUT-DOWNS MUST BE ARRANGED WITH AND AT A TIME CONVENIENT TO THE HOSPITAL'S MAINTENANCE DEPARTMENT AND IF THEY SO WISH BE DELIVERED TO AN AREA IN THE HOSPITAL AS DIRECTED. EQUIPMENT THAT THE HOSPITAL DOES NOT WANT SHALL BE REMOVED FROM THE SITE AS SCRAP BY THIS DIVISION. PROVIDE SEVEN DAYS WRITTEN NOTICE FOR THE POWER SHUT-DOWNS.

NOTE:

EXTENT OF THE DEMOLITION AS SHOWN ON THE PLANS MUST BE INCLUDED IN THE BID. HOWEVER, RECOGNIZING THERE MAY BE ADDITIONAL DEMOLITION REQUIRED BUT NOT SHOWN ON THE PLANS, THE CONTRACTOR IS TO INCLUDE AN ADDITIONAL 200 HOURS LABOUR FOR DEMOLITION THAT IS NOT SHOWN. ANY TIME EXPENDED FROM THIS ALLOWANCE MUST BE APPROVED/SIGNED OFF BY THE HHA CONTRACT ADMINISTRATOR.

NOTE:

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FIRE SAFETY THROUGHOUT THE CONSTRUCTION. TO AID IN THIS, CONTRACTOR WILL BE PERMITTED TO MAINTAIN THE EXISTING CORRIDOR SMOKE DETECTION DEVICES THRU THE CONSTRUCTION, EITHER BEING MAINTAINED IN PLACE OR INSTALLED AS TEMPORARY DEVICES. EXISTING DETECTORS, IF BEING USED FOR TEMPORARY DETECTION THRU THE CONSTRUCTION, SHOULD BE TESTED FOR FUNCTIONALITY, DOES NOT NECESSARILY REQUIRE A CODE COMPLIANT VERIFICATION.

DATE	ISSUED FOR	REV
2025-07-21	ISSUED FOR BUILDING PERMIT	1
2025-11-07	RE-ISSUED FOR PERMIT	2
2025-11-20	ISSUED FOR TENDER	3

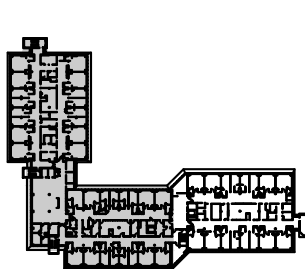


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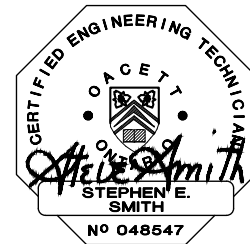
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Seal(s)



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NORR Architects & Engineers Limited

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Toronto, ON, Canada M4W 3R8  
norr.com

Project Manager S. SMITH	Drawn W.ALAWHEEL
Project Leader S. SMITH	Checked S.SMITH

OWNER



**Project**  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

**Drawing Title**  
K WING, 3RD FLOOR, K-3-E  
DEMOLITION PLAN

ELECTRICAL

**Scale:** As indicated


**Project No.** HS1024-0383 (2240067)

**Drawing No.**

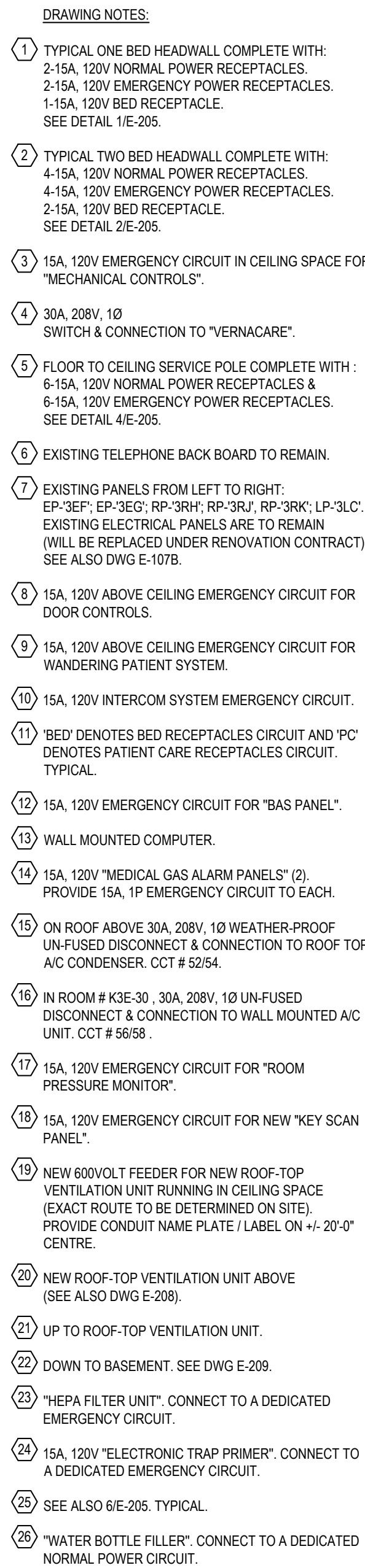
E-200





Project Manager S. SMITH	Drawn W.ALAWELLE
Project Leader S. SMITH	Checked S.SMITH
<b>OWNER</b>  <b>Sunnybrook</b> HEALTH SCIENCES CENTRE	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> K WING, 3RD FLOOR, K-3-E LIGHTING PLAN	
ELECTRICAL	
<b>Scale:</b>	As indicated
<b>Project No.</b>	HS 1024-0383 (2240067)
<b>Drawing No.</b> <div style="font-size: 2em; font-weight: bold; text-align: center;">E-201</div>	





**NOTE:**  
ALL BEDROOMS ARE, AS DEFINED BY CODE,  
"INTERMEDIATE PATIENT CARE".  
REFER ALSO TO SPECIFICATION SECTIONS 26 07 05  
& 26 08 13.

**NOTE RE: ELECTRICAL OPERATED DOORS**  
FOR EACH 'ADO' PROVIDE A 3 # 12 - 3/4"C.  
CONNECTION FROM THE DOOR OPERATOR, AROUND  
THE FRAME, TO THE ELECTRIC STRIKE PROVIDED  
WITH THE HARDWARE.

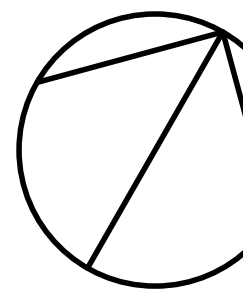
**NOTE RE:**  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #1 IDENTIFYING THE COST FOR THE K-3-E AIR HANDLING UNIT. ELECTRICALLY, THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON THE 3RD FLOOR POWER PLAN (DRAWING E-202, THE FEEDER ROUTING); THE ROOF & SINGLE LINE DIAGRAM (ALL WORK SHOWN ON DRAWING E-208) AND THE BASEMENT (ALL WORK SHOWN ON DRAWING E-209).

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2025-11-20	ISSUED FOR TENDER	3



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Project Manager S. SMITH	Drawn W.ALAWHEEL
Project Leader S. SMITH	Checked S.SMITH

OWNER



**Project**  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant  
(K3E)

TORONTO, ON, CANADA

**Drawing Title**  
K WING, 3RD FLOOR, K-3-I  
POWER PLAN

ELECTRICAL

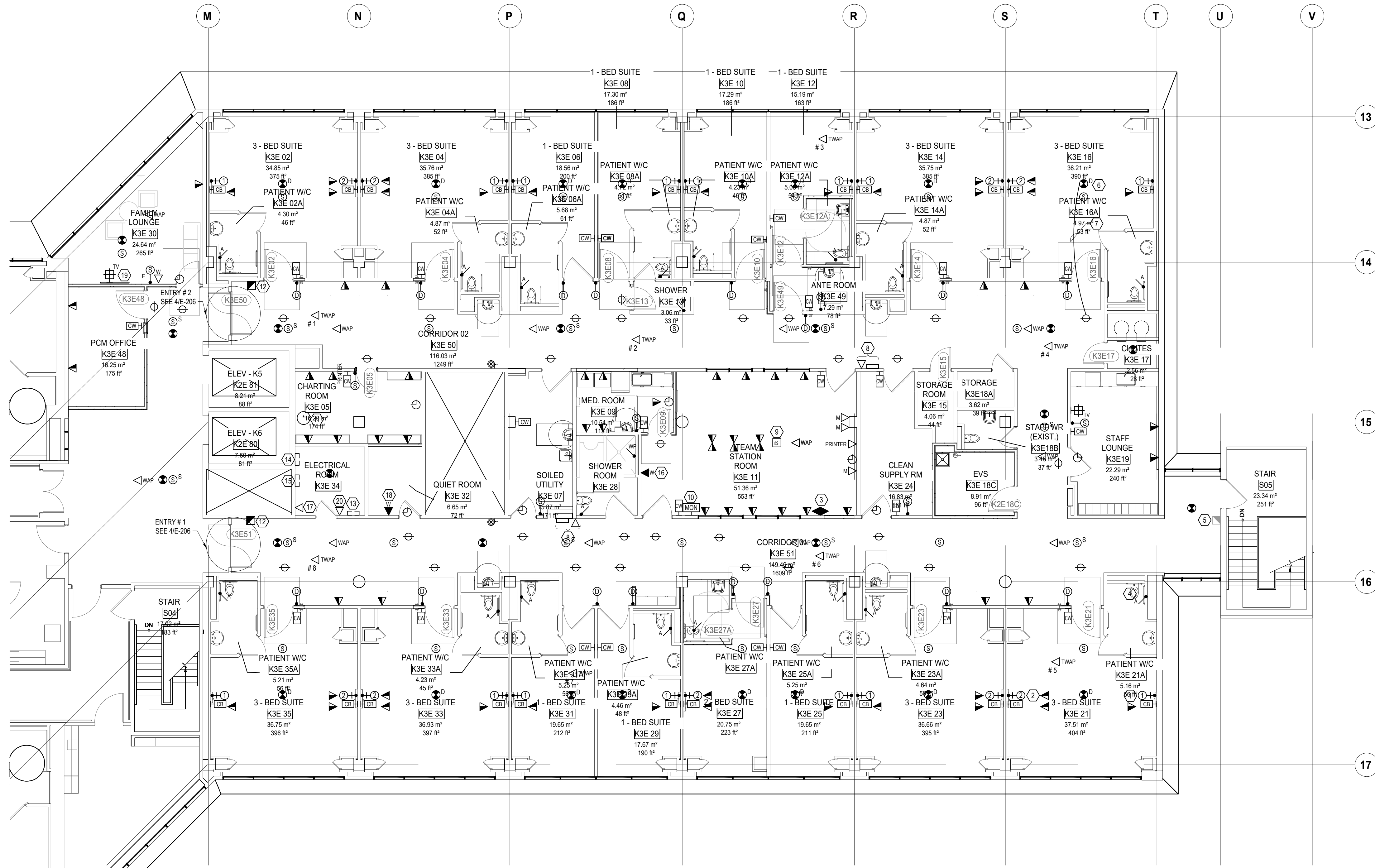
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Project No. HS1024-0383 (2240067)

Drawing No.

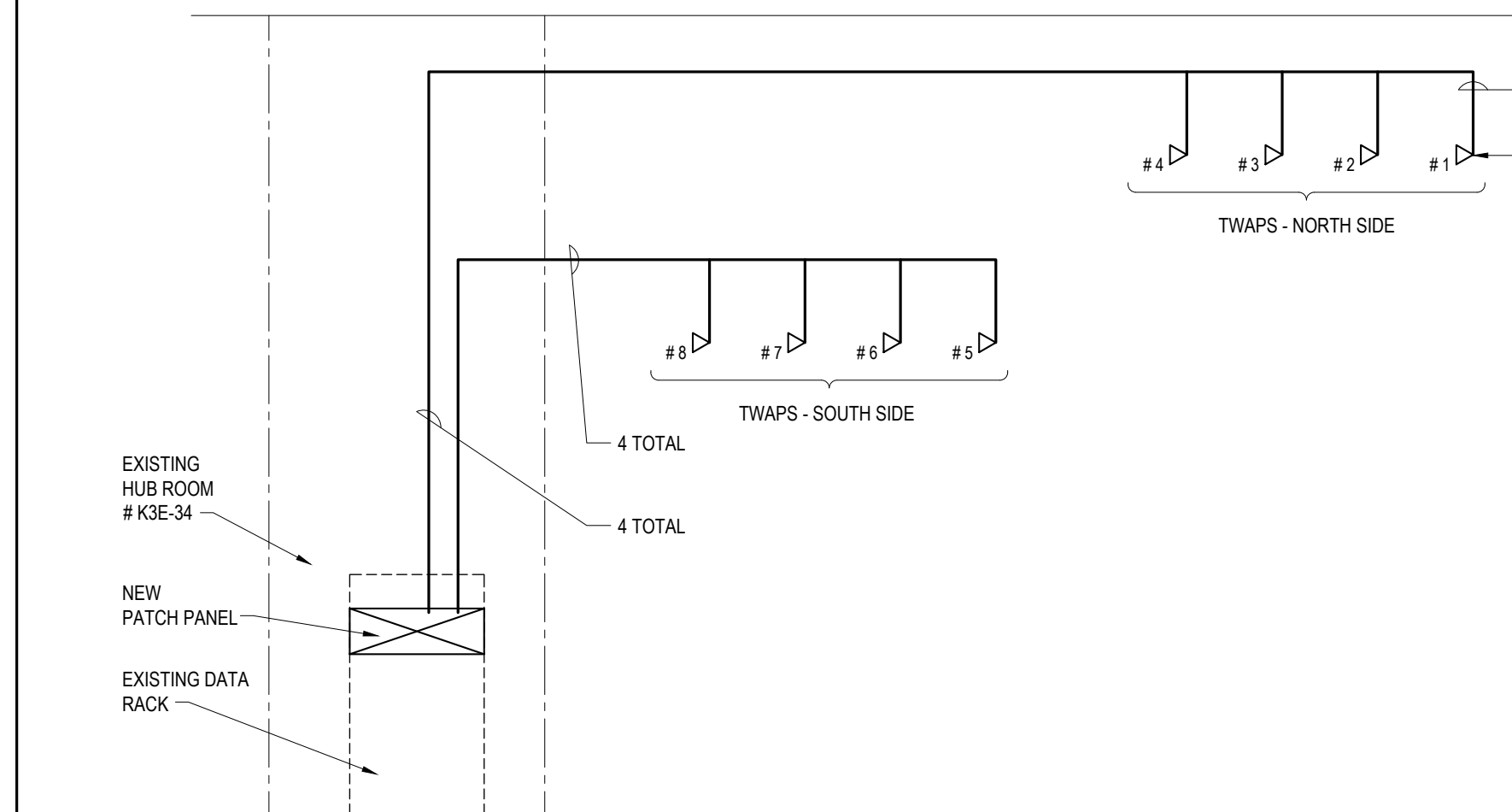
E-202





- DRAWING NOTES:
- 1 IN HEADWALL UNIT, SEE DETAIL 1/E-205. TYPICAL.
  - 2 IN HEADWALL UNIT, SEE DETAIL 2/E-205. TYPICAL.
  - 3 NURSE CALL CONSOLE.
  - 4 NURSE CALL PULL CORD STATION COMPLETE WITH AUDIO. TYPICAL.
  - 5 EXISTING PULL STATION TO REMAIN - WALL NEED TO BE RE-WIRED AS REQUIRED.
  - 6 BED ROOM SMOKE DETECTORS TO HAVE DUAL CONTACTS WITH ONE CONNECTED TO FIRE ALARM AND ONE CONNECTED TO NURSE CALL. TYPICAL.
  - 7 SMOKE DETECTOR IS TO BE CONNECTED TO NURSE CALL. TYPICAL.
  - 8 CLOCK BRIDGE LINK WALL MOUNTED AT +/- 8'-0".
  - 9 PROVIDE FLOOR TO CEILING SERVICE POLE COMPLETE WITH 6 DATA JACKS. SEE ALSO DETAIL 4/E-205.
  - 10 WALL MOUNTED CCTV MONITOR.
  - 11 TERMINATE ALL K-3-E DATA CABLES ON NEW PATCH PANELS IN EXISTING DATA RACK LOCATED; ONE LEVEL DOWN FROM HERE; ON LEVEL 2 AT IT HUB ROOM K2E 03.
  - 12 FIRE ALARM PULL STATION COMPLETE WITH CONNECTION TO FIRE ALARM AND MAG LOCK RELEASE.
  - 13 EXISTING K-3-E KEY SCAN ACCESS CONTROL PANEL.
  - 14 EXISTING K-3-E NURSE CALL PANEL.
  - 15 EXISTING K-3-E FIRE ALARM DGP TO REMAIN.
  - 16 EMERGENCY PHONE.
  - 17 DATA JACK FOR BAS PANEL.
  - 18 WALL MOUNTED EMERGENCY PHONE.
  - 19 PROVIDE A WALL MOUNTED 42" COLOUR TV.
  - 20 FOR NEW "KEY SCAN PANEL".

NOTE RE:  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #2 IDENTIFYING THE COST FOR THE ENTIRE K WING 2ND & 3RD FLOOR TELEMETRY CABLING SYSTEM. ELECTRICALLY, THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON K-2-E (DRAWING E-103), ON K-3-E (DRAWING E-203) AND K-3-C (DRAWING E-207).



NOTE RE:  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #2 IDENTIFYING THE COST FOR THE ENTIRE K WING 2ND & 3RD FLOOR TELEMETRY CABLING SYSTEM. ELECTRICALLY, THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON K-2-E (DRAWING E-103), ON K-3-E (DRAWING E-203) AND K-3-C (DRAWING E-207).

NOTE:  
JACKS, PATCH PANELS, CABLES TO MEET REQUIREMENTS OF SPECIFICATION SECTION 27 15 00

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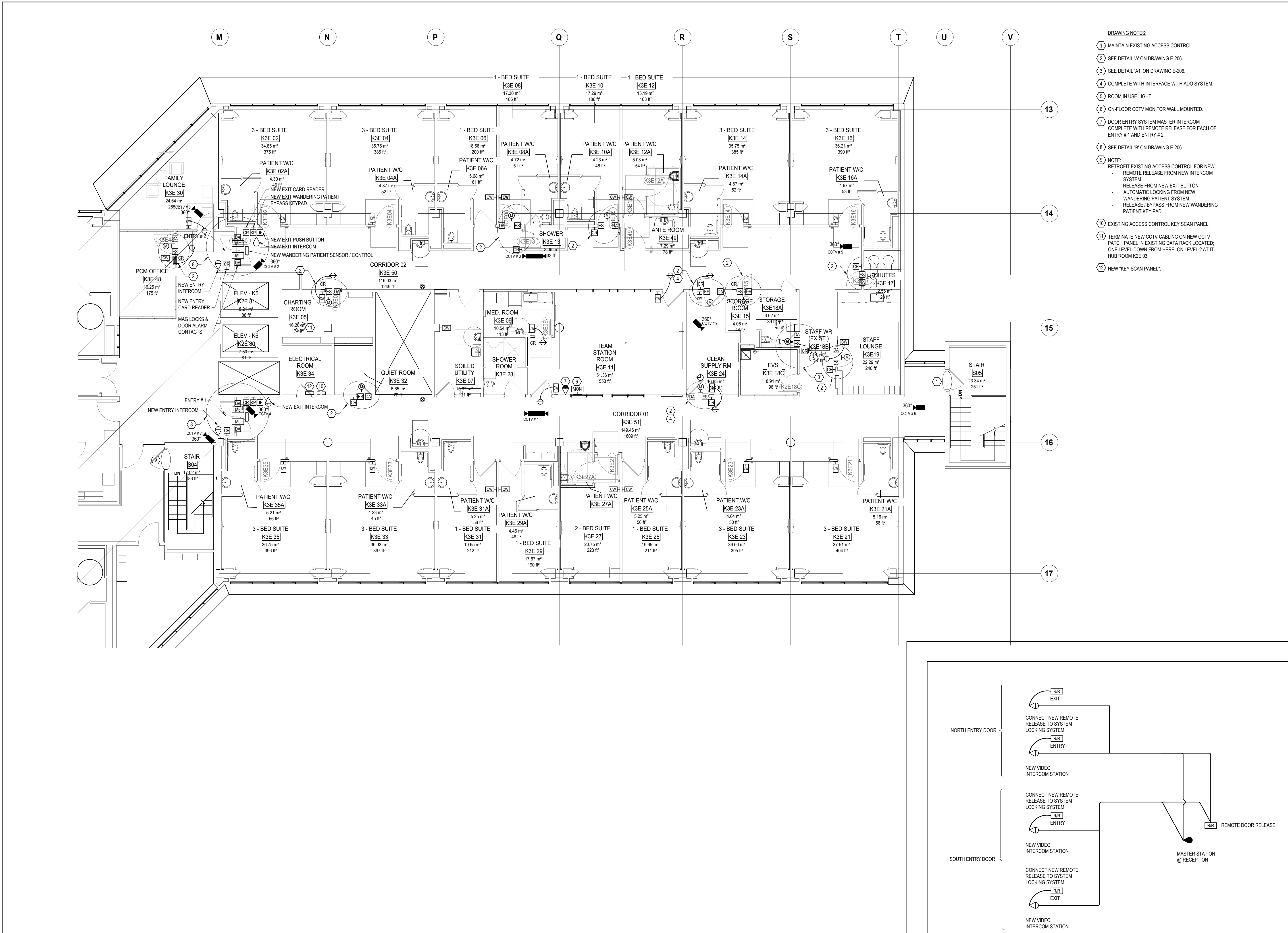
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Project Manager S. SMITH	Drawn W. ALAWHEEL
Project Leader S. SMITH	Checked S. SMITH
<b>OWNER</b> 	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> K WING, 3RD FLOOR, K-3-E SYSTEMS PLAN	
ELECTRICAL	
<b>Scale:</b> As indicated	
<b>Project No.</b> HS1024-0383 (2240067)	
<b>Drawing No.</b> E-203	





- DRAWING NOTES:
- 1 MAINTAIN EXISTING ACCESS CONTROL.
  - 2 SEE DETAIL 'A' ON DRAWING E-206.
  - 3 SEE DETAIL 'A1' ON DRAWING E-206.
  - 4 COMPLETE WITH INTERFACE WITH ADO SYSTEM.
  - 5 ROOM IN USE LIGHT.
  - 6 ON-FLOOR CCTV MONITOR WALL MOUNTED.
  - 7 DOOR ENTRY SYSTEM MASTER INTERCOM COMPLETE WITH REMOTE RELEASE FOR EACH OF ENTRY # 1 AND ENTRY # 2.
  - 8 SEE DETAIL 'B' ON DRAWING E-206.
  - 9 NOTE:  
RETROFIT EXISTING ACCESS CONTROL FOR NEW:  
- REMOTE RELEASE FROM NEW INTERCOM SYSTEM.  
- RELEASE FROM NEW EXIT BUTTON.  
- AUTOMATIC LOCKING FROM NEW WANDERING PATIENT SYSTEM.  
- RELEASE / BYPASS FROM NEW WANDERING PATIENT KEY PAD.
  - 10 EXISTING ACCESS CONTROL KEY SCAN PANEL.
  - 11 TERMINATE NEW CCTV CABLING ON NEW CCTV PATCH PANEL IN EXISTING DATA RACK LOCATED; ONE LEVEL DOWN FROM HERE; ON LEVEL 2 AT IT HUB ROOM K2E 03.
  - 12 NEW 'KEY SCAN PANEL'.

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2025-11-20	ISSUED FOR TENDER	3

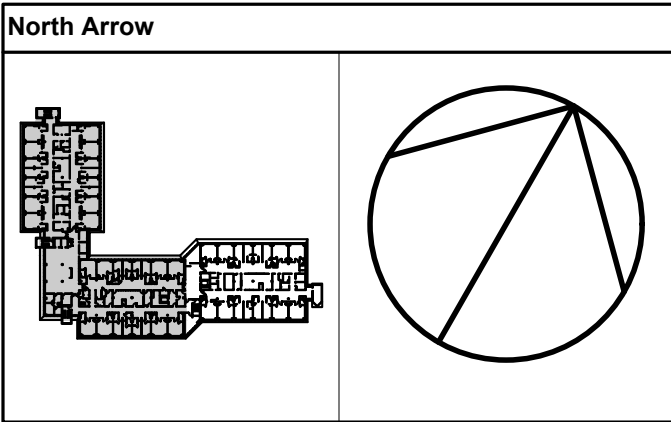


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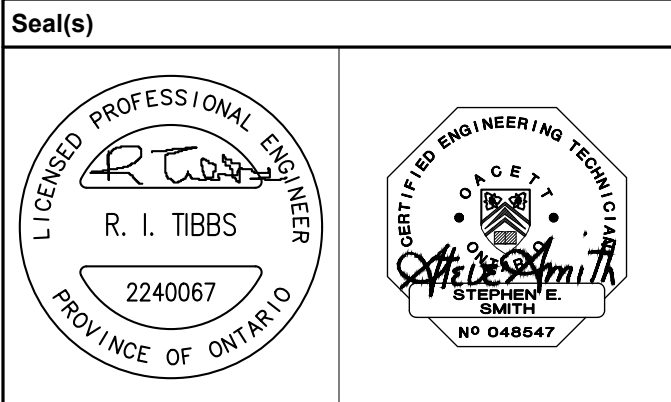
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Project Manager  
S. SMITH

Project Leader  
S. SMITH

Owner  
  
Sunnybrook  
HEALTH SCIENCES CENTRE

Project  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

Drawing Title  
K WING, 3RD FLOOR, K-3-E  
SECURITY PLAN

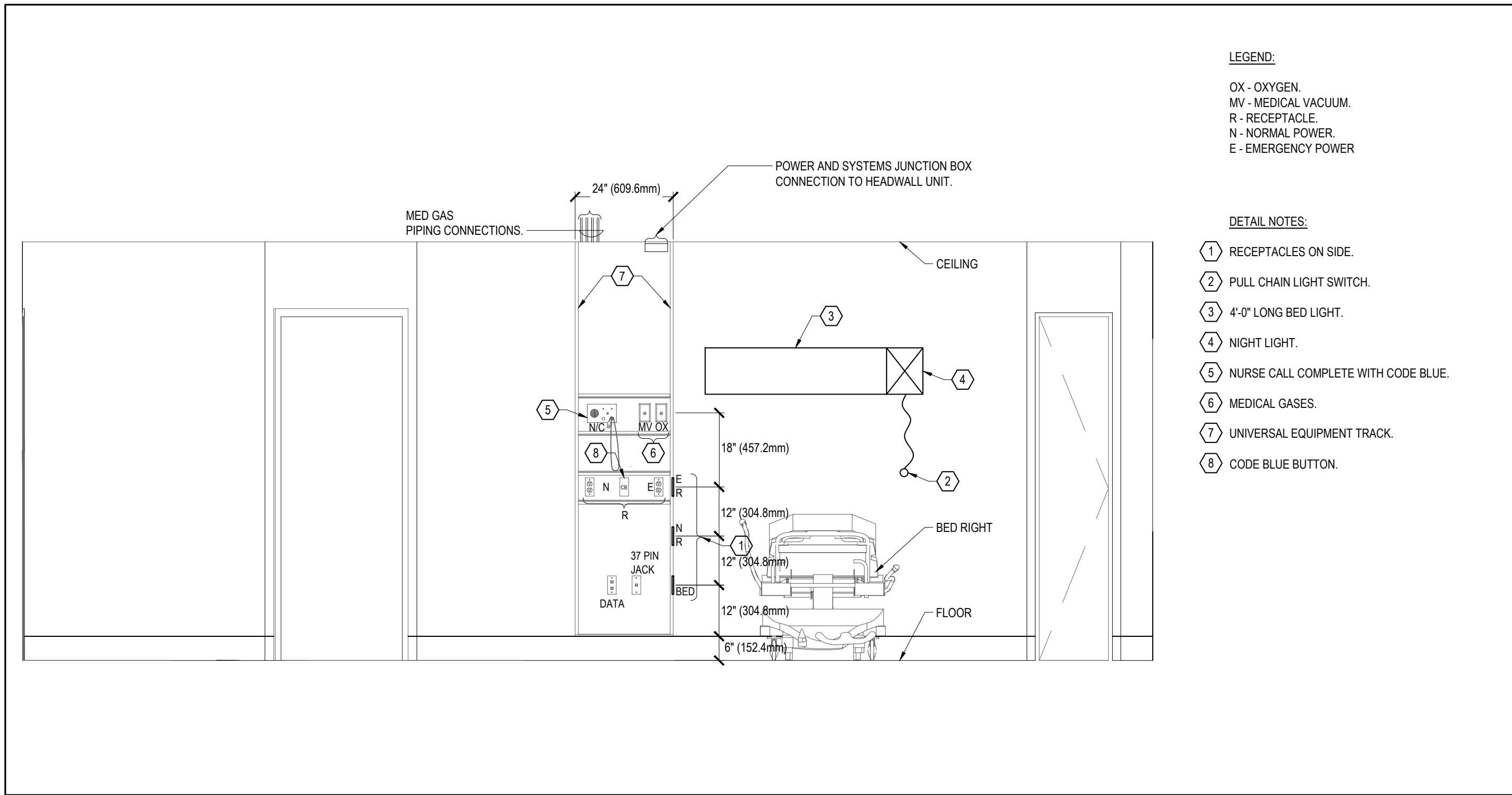
ELECTRICAL

Scale: As indicated

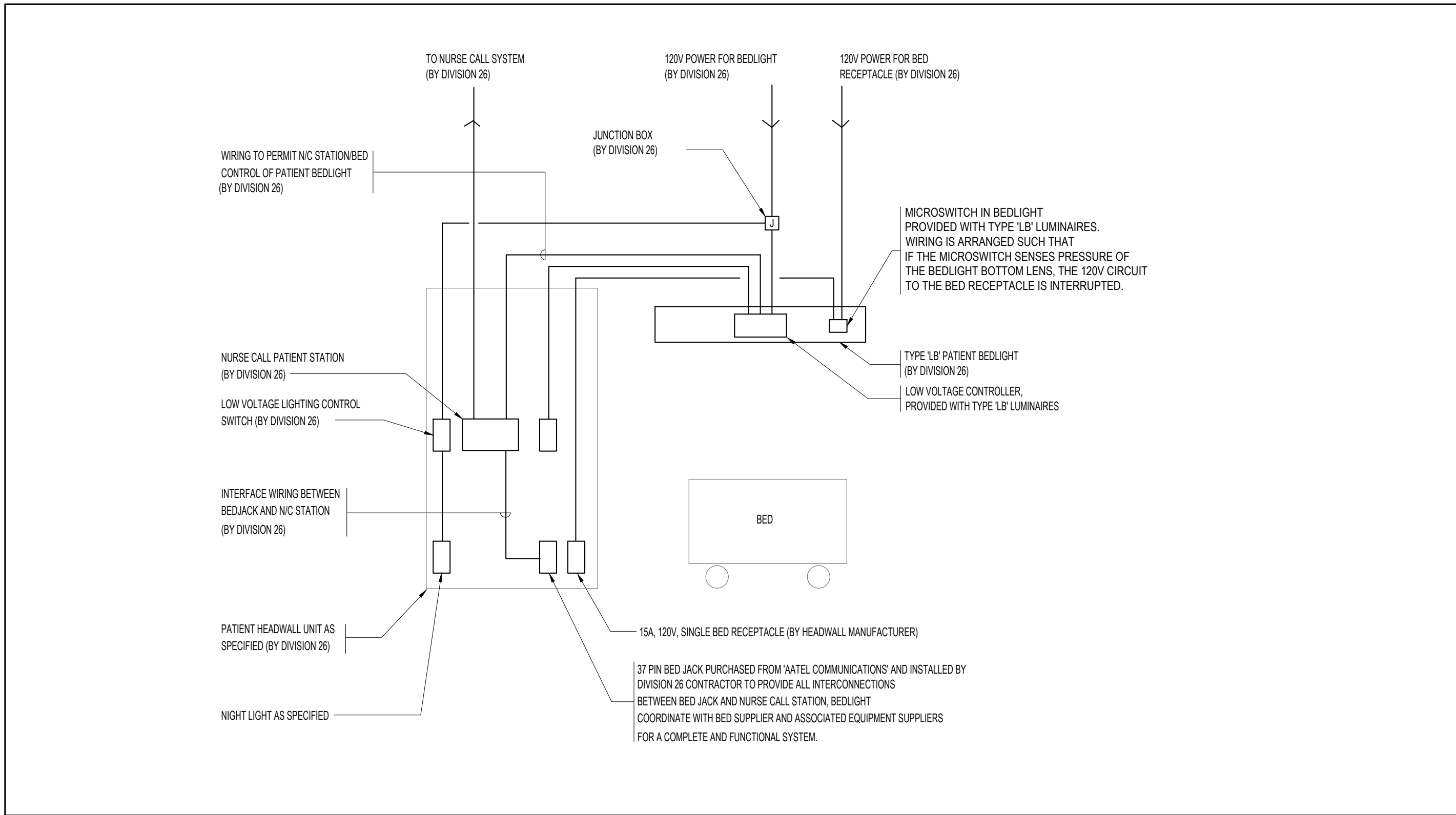
Project No. HS1024-0383 (2240067)

Drawing No. E-204

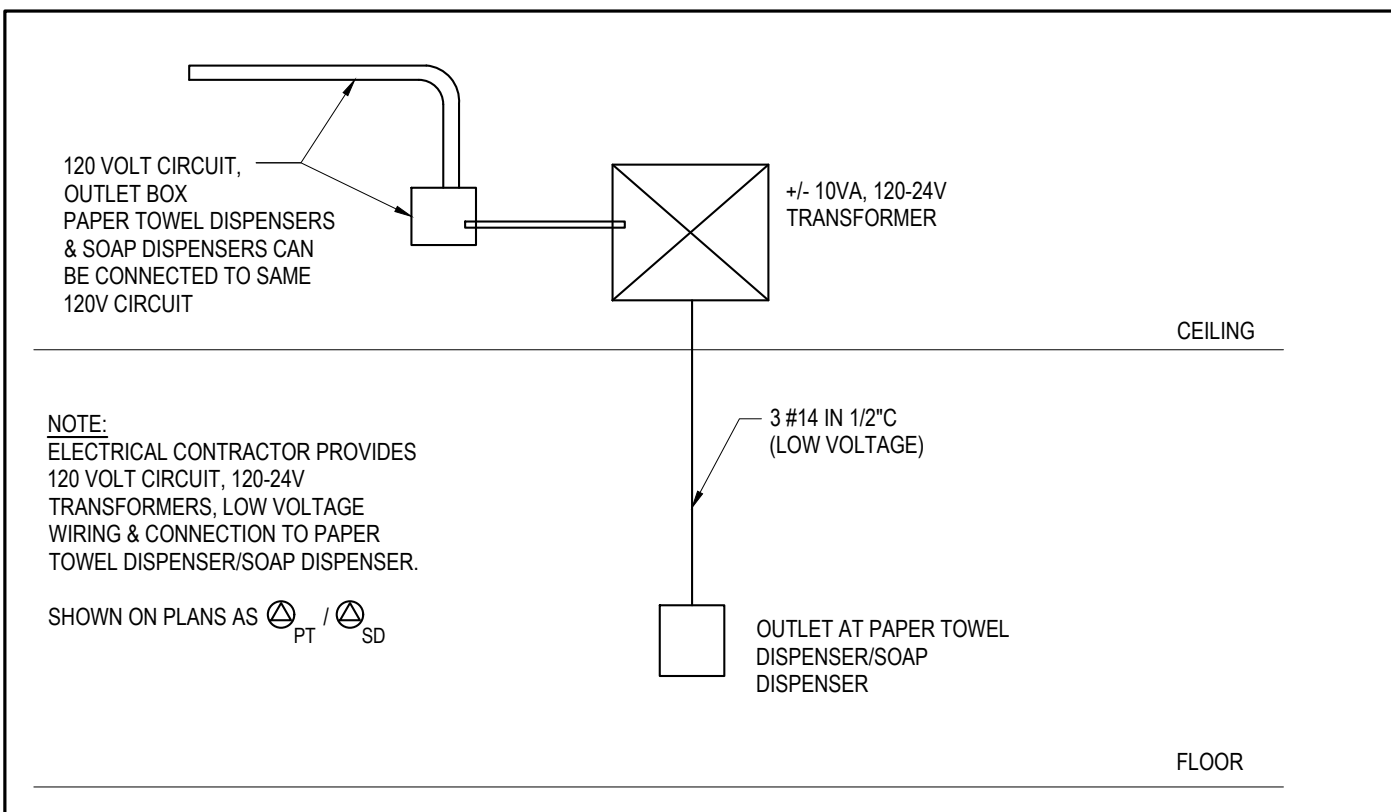




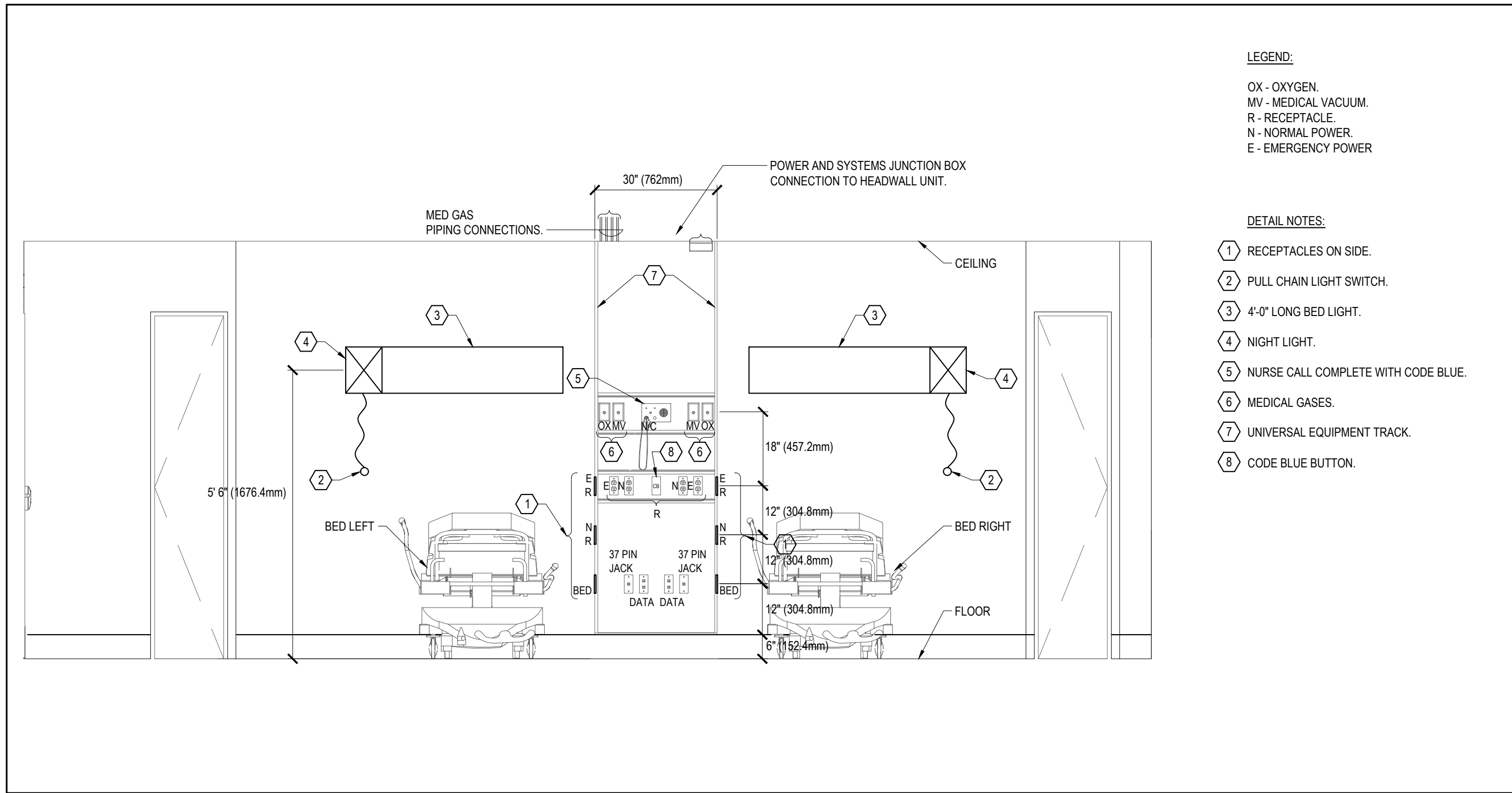
**1** DETAIL ONE-BED HEADWALL UNIT - BED RIGHT  
E-205 N.T.S. (BED LEFT IS SIMILAR BUT FLIPPED)



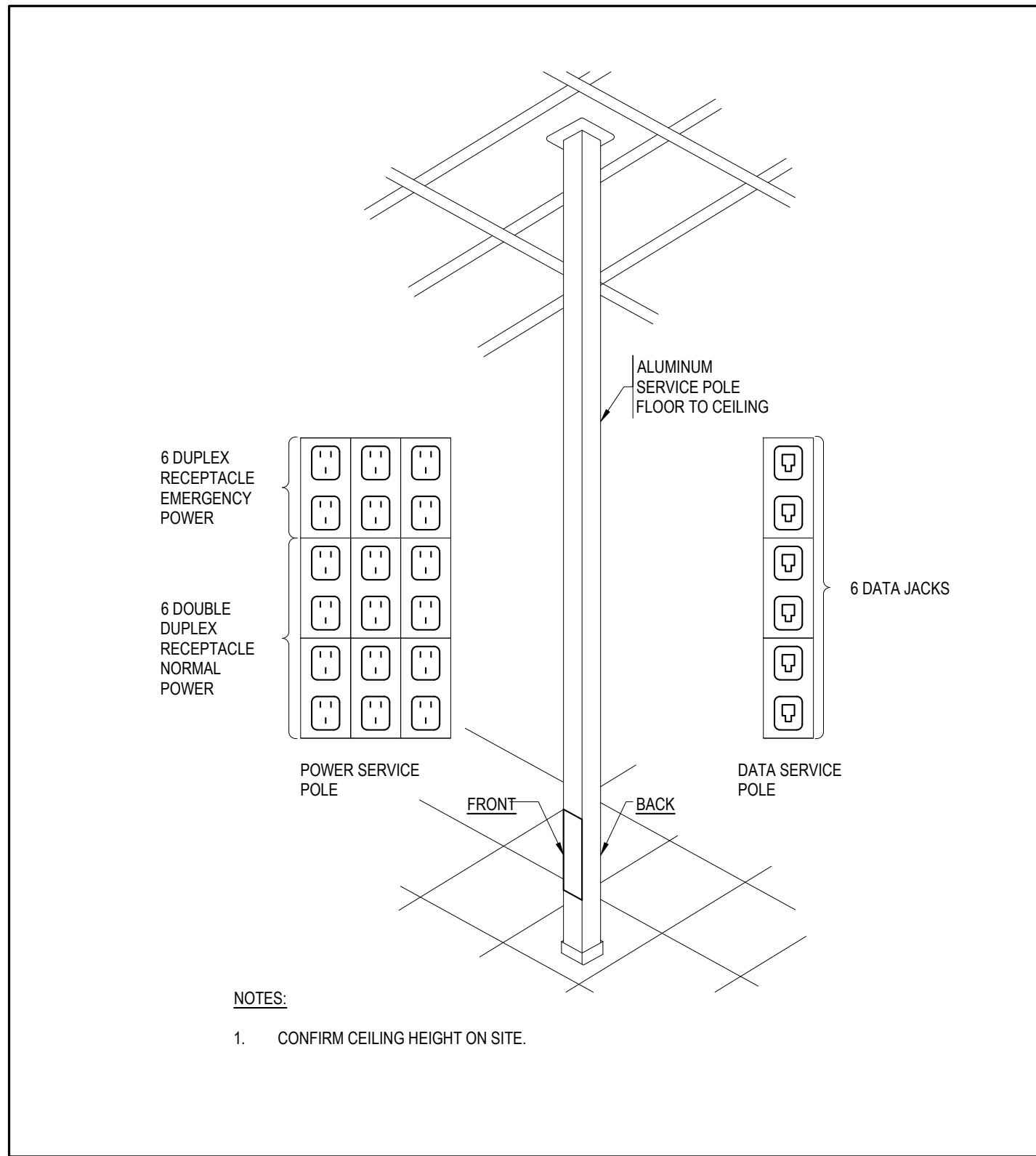
**3** PATIENT BED, BEDLIGHT AND TV CONTROL CONNECTION SCHEMATIC  
E-205 N.T.S.



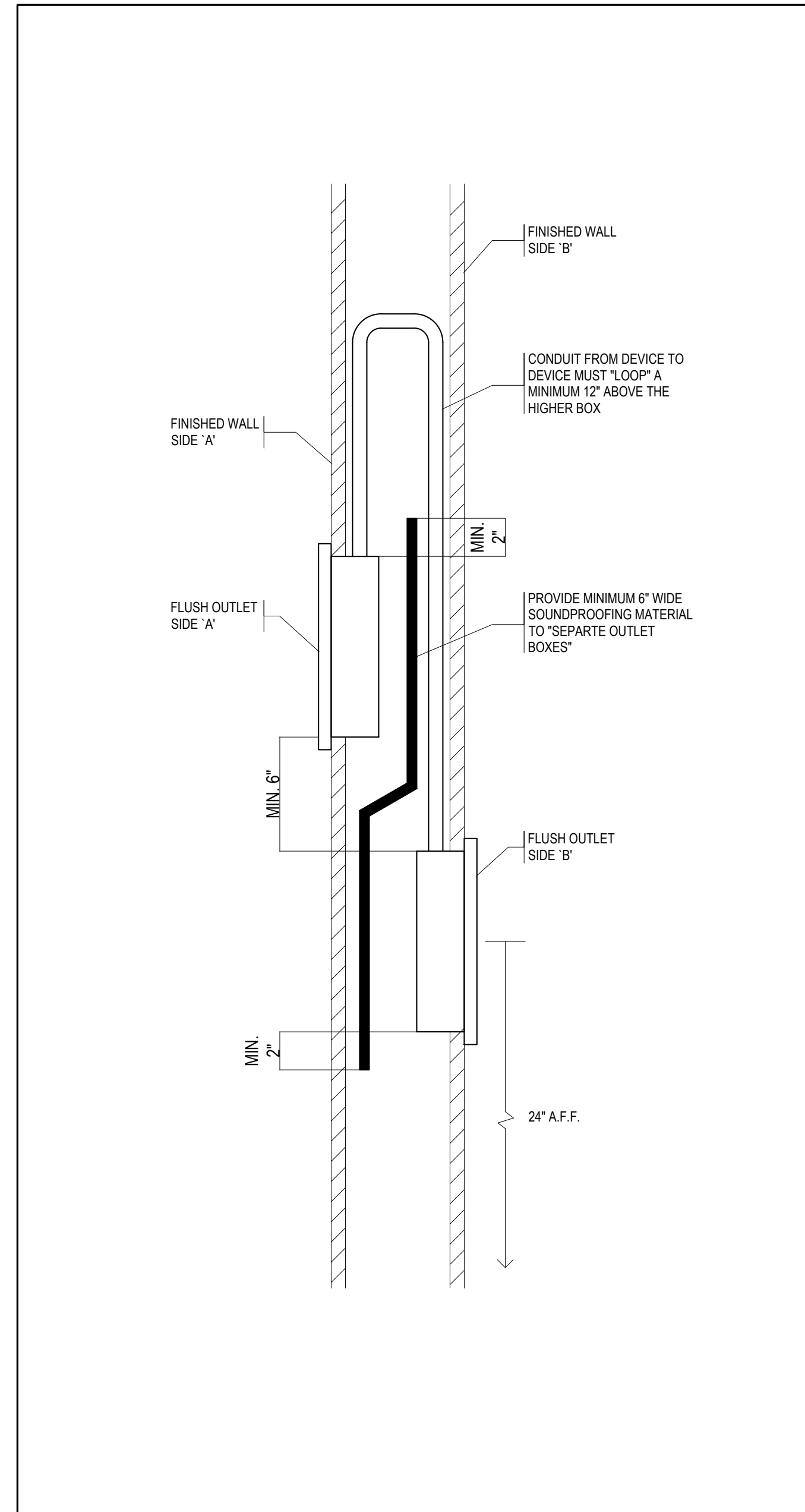
**6** DETAIL OF WIRING TO PAPER DISPENSERS & SOAP DISPENSER  
E-205 N.T.S.



**2** DETAIL TWO-BED HEADWALL UNIT  
E-205 N.T.S.



**4** DETAIL OF SERVICE POLE  
E-205 N.T.S.



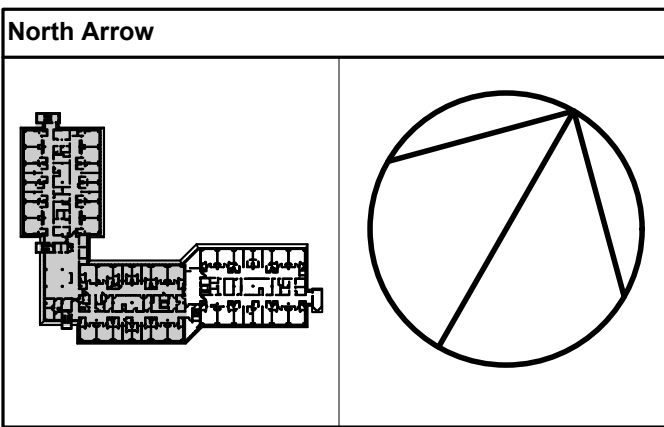
**5** SECTION THRU FLUSH OUTLETS BACK TO BACK IN A PARTITION  
E-205 N.T.S.

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**Seal(s)**

**PROFESSIONAL ENGINEER**  
R. I. TIBBS  
2240067  
PROVINCE OF ONTARIO

**CERTIFIED ENGINEERING TECHNOLOGIST**  
STEPHEN E. SMITH  
NO 048647

**NORR**  
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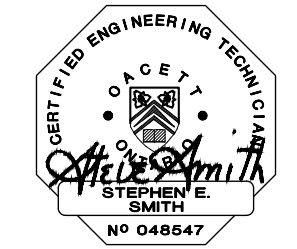
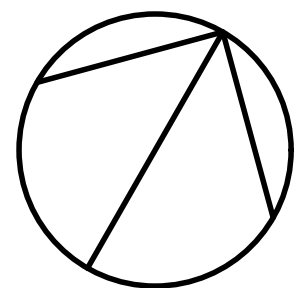
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Project Manager S. SMITH	Drawn W. ALAWHEEL
Project Leader S. SMITH	Checked S. SMITH
<b>OWNER</b> <b>Sunnybrook</b> HEALTH SCIENCES CENTRE	
<b>Project</b> PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)	
TORONTO, ON, CANADA	
<b>Drawing Title</b> 3RD FLOOR, MISCELLANEOUS	
ELECTRICAL	
<b>Scale:</b> As indicated	
<b>Project No.</b> HS1024-0383 (2240067)	
<b>Drawing No.</b> E-205	





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Project Manager S. SMITH	Drawn W.ALAWHEEL
Project Leader S. SMITH	Checked S.SMITH

OWNER



Project	PHASE1: SHSC GIM Decant (K2E) PHASE2: SHSC Renovation of C2 Decant (K3E)
---------	---

TORONTO, ON, CANADA

**Drawing Title**  
3RD FLOOR, SECURITY DETAILS

ELECTRICAL

Scale: As indicated

<b>Project No.</b>	HS1024-0383	(2240067)
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Drawing No.

Drawing No. \_\_\_\_\_







DATE	ISSUED FOR	REV
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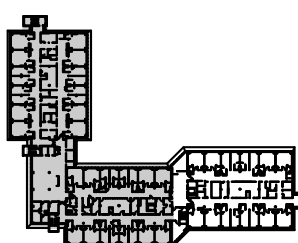


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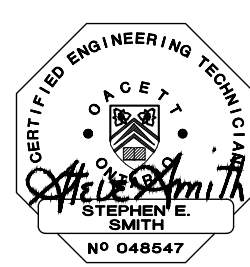
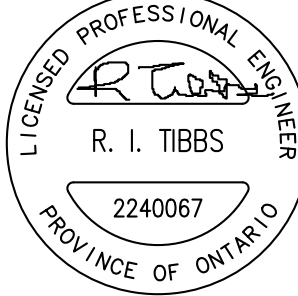
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Project Manager S. SMITH	Drawn W.ALAWHEEL
Project Leader S. SMITH	Checked S.SMITH

#### OWNER



**Project**  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

#### Drawing Title

K WING, ROOF PLAN

ELECTRICAL

**Scale:** As indicated

**Project No.** HS1024-0383 (2240067)

**Drawing No.**

E-208

#### DRAWING NOTES:

- 1 PROVIDE NEW WEATHER-PROOF EXIT LIGHT COMPLETE WITH CONNECTION TO 3RD FLOOR EXIT LIGHT CIRCUIT.
- 2 15A, 120V FOR "ELECTRIC PIPE TRACING" BY MECHANICAL. PROVIDE 15A, 1P GFI BREAKER IN EP-3EF COMPLETE WITH FEED TO ROOF-TOP CONNECTION.
- 3 15A, 120V FOR HUMIDIFIER CONTROL POWER FEED FROM A NEW BREAKER IN EP-3EF.
- 4 15A, 120V LIGHTS.
- 5 15A, 120V POWER.
- 6 15A, 120V CONTROL POWER.
- 7 NEW 200 / 150A, 600V, FUSED WEATHER PROOF DISCONNECT AND CONNECTION TO ROOF-TOP UNIT.
- 8 NEW 30/15A, 3P, 600V, FUSED WEATHER PROOF DISCONNECT AND CONNECTION TO HUMIDIFIERS.
- 9 WEATHER-PROOF GFI RECEPTACLES.
- 10 EACH FED FROM A DEDICATED CIRCUIT IN EP-3EF ON 3RD FLOOR (4 CIRCUITS REQUIRED).
- 11 ELECTRICAL CONTRACTOR TO CONSTRUCT A FREE-STANDING UNISTRUIT SUPPORT FOR THE ROOF-TOP ELECTRICAL EQUIPMENT. ELECTRICAL CONNECTIONS FROM DISCONNECT SWITCHES TO AHU / HUMIDIFIED TO BE IN LIQUID TIGHT FLEX CONDUIT.
- 12 2 @ 15A, 600V, 3Ø ROOF-TO EXHAUST FANS. DISCONNECT TO BE MOUNTED INDEPENDENT OF THE FAN MOTOR AND CONNECTION FROM DISCONNECT TO FAN TO BE IN LIQUID-TIGHT FLEX CONDUIT.
- 13 PROVIDE 2 SMOKE DETECTORS, ONE IN EACH OF 2 +/- 30"x30" SUPPLY AIR DUCTS. DETECTORS TO BE INSTALLED IN INDIVIDUAL CHUBB EDWARDS # 46035-2257 WEATHER-PROOF, HEATED ENCLOSURES. PROVIDE A 15A, 1P CIRCUIT FROM EP-3EF FOR BOTH HEATERS. SMOKE DETECTORS TO HAVE DUAL CONTACTS WITH ONE CONNECTED TO A SINGLE NEW FIRE ALARM ZONE AND THE 2ND CONTACT TO BE CONNECTED TO VENTILATION UNIT FOR FAN SHUTDOWN.

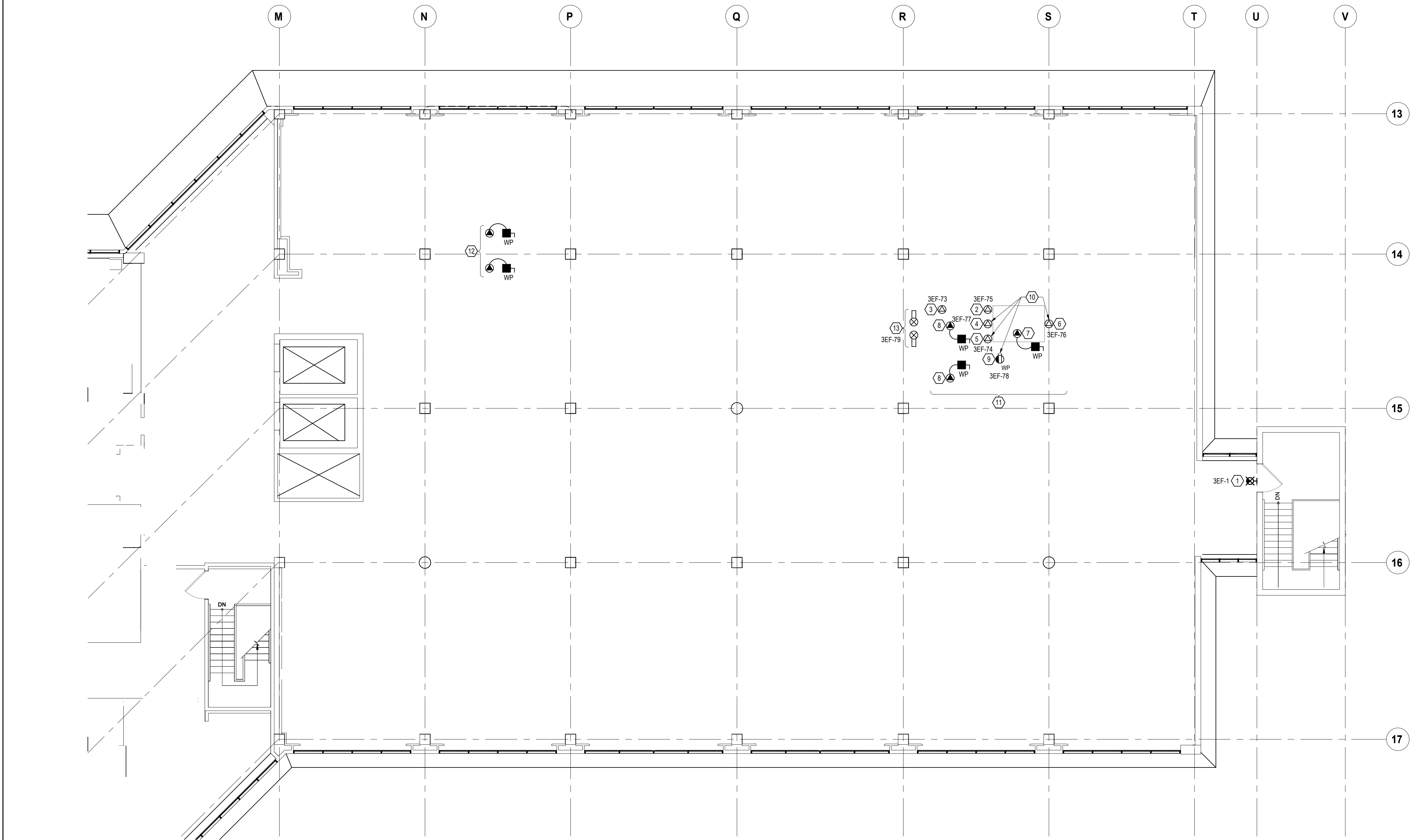
NOTE RE:  
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#### DRAWING NOTES:

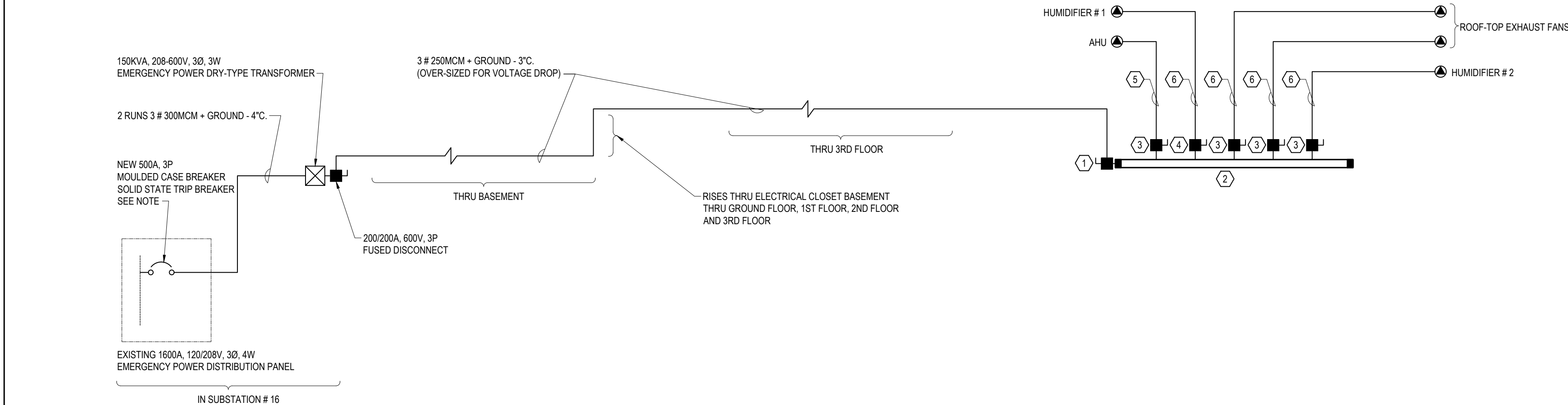
- 1 200A, 600V, 3P, 3W UN-FUSED WEATHER-PROOF DISCONNECT SWITCH.
- 2 200A, 600V, 3Ø, 3W WEATHER-PROOF SPLITTER.
- 3 30/15A, 3P, 3W FUSED WEATHER-PROOF DISCONNECT SWITCH.
- 4 200/125A, 3P, 3W FUSED WEATHER-PROOF DISCONNECT SWITCH.
- 5 3 # 1/0 + GROUND - 2" RIGID PVC CONDUIT.
- 6 3 # 1/2 + GROUND - 1" RIGID PVC CONDUIT.

#### SOLID STATE TRIP BREAKERS:

MOULDED CASE CIRCUIT BREAKER TO OPERATE BY MEANS OF A SOLID-STATE TRIP UNIT WITH ASSOCIATED CURRENT MONITORS AND SELF-POWERED SHUNT TRIP TO PROVIDE INVERSE TIME CURRENT TRIP UNDER OVERLOAD CONDITION, AND LONG TIME, SHORT TIME, INSTANTANEOUS TRIPPING FOR PHASE, GROUND FAULT AND SHORT CIRCUIT PROTECTION.

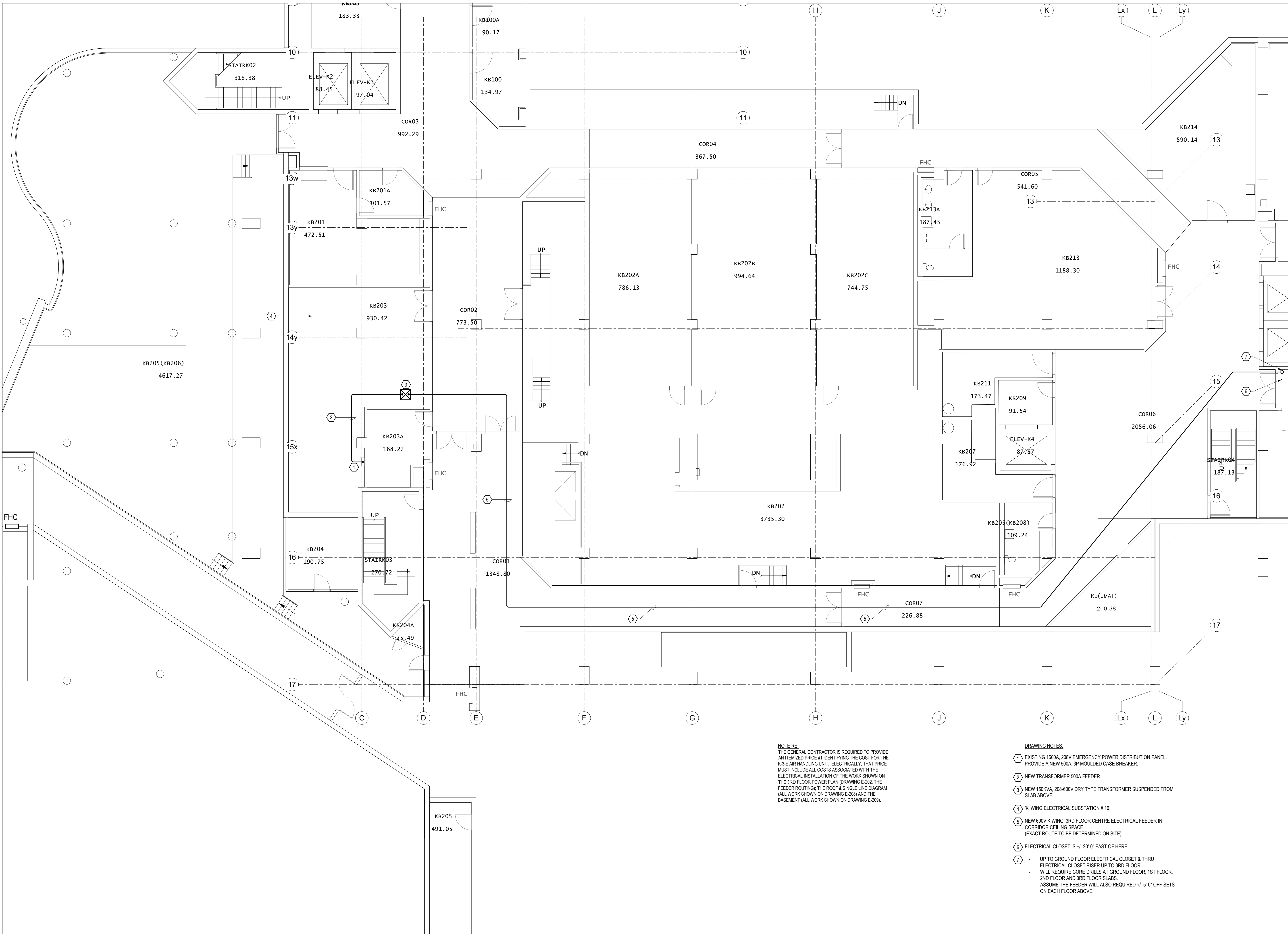


1 WING K, ROOF PLAN  
E-208 1:100



2 ROOF-TOP VENTILATION UNIT ELECTRICAL SCHEMATIC  
E-208 N.T.S.





1  
E-209  
WING K, BASEMENT PLAN  
1:100

NOTE RE:  
THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZED PRICE #1 IDENTIFYING THE COST FOR THE K-3E AIR HANDLING UNIT. ELECTRICALLY THAT PRICE MUST INCLUDE ALL COSTS ASSOCIATED WITH THE ELECTRICAL INSTALLATION OF THE WORK SHOWN ON THE 3RD FLOOR POWER PLAN (DRAWING E-202, THE FEEDER ROUTING), THE ROOF & SINGLE LINE DIAGRAM (ALL WORK SHOWN ON DRAWING E-208) AND THE BASEMENT (ALL WORK SHOWN ON DRAWING E-209).

- DRAWING NOTES:
- 1 EXISTING 1600A, 208V EMERGENCY POWER DISTRIBUTION PANEL. PROVIDE A NEW 500A, 3P MOULDED CASE BREAKER.
  - 2 NEW TRANSFORMER 500A FEEDER.
  - 3 NEW 150KVA, 208-600V DRY TYPE TRANSFORMER SUSPENDED FROM SLAB ABOVE.
  - 4 K WING ELECTRICAL SUBSTATION # 16.
  - 5 NEW 600V K WING, 3RD FLOOR CENTRE ELECTRICAL FEEDER IN CORRIDOR CEILING SPACE (EXACT ROUTE TO BE DETERMINED ON SITE).
  - 6 ELECTRICAL CLOSET IS +/- 20'-0" EAST OF HERE.
  - 7
    - UP TO GROUND FLOOR ELECTRICAL CLOSET & THRU ELECTRICAL CLOSET RISER UP TO 3RD FLOOR.
    - WILL REQUIRE CORE DRILLS AT GROUND FLOOR, 1ST FLOOR, 2ND FLOOR AND 3RD FLOOR SLABS.
    - ASSUME THE FEEDER WILL ALSO REQUIRED +/- 5'-0" OFF-SETS ON EACH FLOOR ABOVE.

DATE	ISSUED FOR	REV
2025-11-07	RE-ISSUED FOR PERMIT	1
2025-11-20	ISSUED FOR TENDER	2

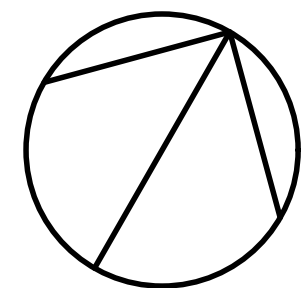
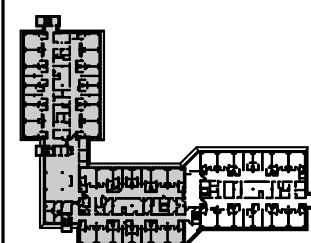


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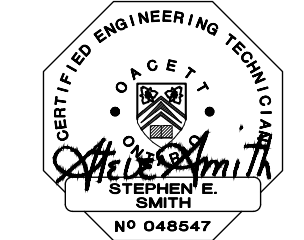
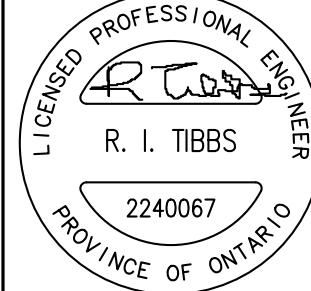
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This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer.

North Arrow



Seal(s)



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Project Leader S. SMITH	Checked S.SMITH

OWNER



Project  
PHASE1: SHSC GIM Decant (K2E)  
PHASE2: SHSC Renovation of C2 Decant (K3E)

TORONTO, ON, CANADA

Drawing Title

K WING, BASEMENT PLAN

ELECTRICAL

Scale: As indicated

Project No. HS1024-0383 (2240067)

Drawing No. E-209