ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE UON
	CLOCK SYSTEM	
C	CLOCK (OUTLET ONLY)	7'-0"
C	SINGLE FACE WIRELESS MASTER CLOCK (SEE SPECIFICATIONS)	SEE SPEC'S
C_2	DOUBLE FACE WIRELESS MASTER CLOCK (SEE SPECIFICATIONS)	SEE SPEC'S
C_{IT}	INTERVAL TIMER - SIMPLEX #6306-9103 FURNISHED BY ELECTRICAL (INCLUDE CONTROLLER)	SEE DETAIL
S_{IT}	INTERVAL TIMER CONTROL SWITCH - SIMPLEX #6303-9202 FURNISHED BY ELECTRICAL	
MC	MASTER CLOCK	———
MCP	MASTER CLOCK &-PROGRAMMER	———
PB	PROGRAM BELL	7'-0"
MCJ	MASTER CLOCK SYSTEM JUNCTION BOX	
	FIRE ALARM SYSTEM	
	ALL STROBE UNITS MUST BE MOUNTED 80" AFF TO BOTTOM OF LAMP NOT DEVICE.	
L	FLASHING LIGHT	80"
L	CHIME/FLASHING LIGHT COMBINATION	80"
LS	SPEAKER/FLASHING LIGHT COMBINATION (PROVIDE TONE GENERATOR FOR USE WITH SPEAKER)	80"
LH	HORN/FLASHING LIGHT COMBINATION	80"
P	MANUAL PULL STATION	46"
DSS	DUCT-SMOKE DETECTOR (SUPPLY)	———
DSR	DUCT-SMOKE DETECTOR (RETURN)	———
S	SMOKE DETECTOR	CEILING
S	SMOKE DETECTOR WITH LOCAL ALARM	CEILING
BD	BEAM TYPE SMOKE DETECTOR	
DSD	DUCT-SMOKE DETECTOR (DAMPER) OR (EXHAUST)	———
C	DUCT-SMOKE DETECTOR INDICATOR LIGHT (WALL MOUNTED 10"BELOW CEILING)	———
HD	AUTOMATIC HEAT DETECTOR (RATE OF RISE TYPE)	———
SDC	SYSTEM CONNECTED SMOKE DETECTOR	CEILING
SDR	SYSTEM CONNECTED SMOKE DETECTOR FOR FIREMAN'S RECALL	CEILING
D	FIRE SMOKE DAMPER	18"
DH	SMOKE DOOR HOLDER	6'-0"
TS	TAMPER SWITCH	———
FS	FLOW SWITCH	CEILING
FJ	FIREMAN'S PHONE JACK	46"
SP	DWELLING UNIT FIRE SPEAKER	———
LS	FLASHING LIGHT SPEAKER SIGNAL STATION	80"
FACP	CONTROL PANEL	———
FAPC	PULL CABINET	———
FAA	REMOTE ANNUNCIATOR	———
FR	FIRESTAT (PROVIDED BY OTHERS) MONITOR WITH FIRE ALARM SYSTEM	———
FAPU	CENTRAL PROCESSING UNIT	———
FACC	COMMAND CENTER	———
FAST	TRANSPONDER	———
FS	FIRE ALARM SPEAKER	———
E.O.L.	END OF LINE DEVICE	———
C	FIRE ALARM CONTROL MODULE, ADDRESSABLE	———
M	FIRE ALARM MONITOR MODULE, ADDRESSABLE	
FJ	FIREMAN'S PHONE JACK	46"
	ACCESS CONTROL SYSTEM/LOCKS	
SX	SECURITY ALARM DOOR SWITCH, SIMPLEX #1076 FBE	———
SK	NARCOTICS SECURE ACCESS SWITCH, SIMPLEX #RPQ-S01A002	———
SJ	NARCOTICS DOOR JAMB SWITCH, SIMPLEX #1076 FBE	———
SK	NARCOTICS CABINET DOOR SWITCH (BUILT-IN) FBO	CAB 44"VAULT 48"
V	RED CLG. DOME LIGHT(ILLUMINATES UPON UNAUTHORIZED ENTRY INTO NARCOTICS CABINET)	———
SN	NARCOTICS SONALERT	
CR	ACCESS CONTROL CARD READER (SEE SPECIFICATIONS)	
RB	ACCESS CONTROL DOOR REMOTE RELEASE PUSH BUTTON	
PB	ACCESS CONTROL DOOR PUSH PLATE	
	MISCELLANEOUS	
MGA	MEDICAL GAS ALARM	———
LPA	LINE PRESSURE ALARM	———
RGA	REMOTE GENERATOR ANNUNCIATOR	———
BBA	BLOOD BANK ALARM	
MSA	MOISTURE SENSOR ALARM	
DPA	ROOM DIFFERENTIAL PRESSURE ALARM (COORDINATE W/DIVISION 15)	
	COMPUTER TERMINAL OUTLETS	
C	COMPUTER TERMINAL OUTLET	18"
C	COMPUTER TERMINAL OUTLET ABOVE COUNTER	46"
CCU	COMPUTER SYSTEM JUNCTION BOX	———
LANP	LOCAL AREA NETWORK PATCH PANEL	

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ABV	MOUNT ABOVE COUNTER
ABC	ABOVE CEILING
EDF	ELECTRIC DRINKING FOUNTAIN
FBE	FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR
FBO	FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR
GND	GROUND
UON	UNLESS OTHERWISE NOTED
WH	WATER HEATER
WP	WEATHER PROOF, NEMA 3R

SYMBOLS GENERAL NOTES:

A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.

B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISH FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.

C. WHERE COVERPLATES CONFLICT WITH CASEWORK OR MILLWORK, SLIGHTLY ADJUST THE MOUNTING HEIGHTS OF THE WIRING DEVICES TO MAKE THE COVERPLATES CLEAR THE COUNTERTOP OR BACKSPLASH BY 1".

D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.

E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.

F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE UON
	CONDUIT CONCEALED IN WALL OR CEILING. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT. PROVIDE A MINIMUM #12 GREEN GROUNDING CONDUCTOR FOR EACH CONDUIT.	
	CONDUIT CONCEALED IN FLOOR (OR BELOW GRADE ON SITE PLAN). PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT. PROVIDE A MINIMUM #12 GREEN GROUNDING CONDUCTOR FOR EACH CONDUIT.	
	CONDUIT EXPOSED ON WALL OR CEILING. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT. PROVIDE A MINIMUM #12 GREEN GROUNDING CONDUCTOR FOR EACH CONDUIT.	
	HOMERUN CONDUIT, 2 CIRCUIT #12 AWG (DEDICATED NEUTRAL FOR EACH CIRCUIT) WITH #12 G. EACH ARROW DENOTES AN INDIVIDUAL CIRCUIT.	
T	TELEPHONE CONDUIT CONCEALED UON (MIN 3/4")	
D	DICTATION SYSTEM CONDUIT CONCEALED UON (MIN 3/4")	
P	INTERNAL WIRING FURNISHED ON PRE-FAB PARTITION (FBO)	
TP	INTERNAL TELEPHONE RACEWAY FURNISHED WITH PRE-FAB PARTITION (FBO)	
	CONDUIT TURNING UP	
	CONDUIT TURNING DOWN	
	SURFACE MOUNTED INCANDESCENT OR HID LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	SURFACE MOUNTED INCANDESCENT OR HID LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	SURFACE MOUNTED INCANDESCENT OR HID LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH	
	RECESSED INCANDESCENT OR HID LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED INCANDESCENT OR HID LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	RECESSED INCANDESCENT OR HID LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH	
	SURFACE MOUNTED WALL INCANDESCENT OR HID LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
E	SURFACE MOUNTED WALL INCANDESCENT OR HID LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	SURFACE MOUNTED WALL INCANDESCENT OR HID LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH	
	RECESSED WALL INCANDESCENT OR HID LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED WALL INCANDESCENT OR HID LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	RECESSED WALL INCANDESCENT OR HID LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH	
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH	
	RECESSED FLUORESCENT LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
	RECESSED FLUORESCENT LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT	
	RECESSED FLUORESCENT LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT	
	SURFACE MOUNTED FLUORESCENT FIXTURE CONNECTED TO NORMAL BRANCH CIRCUIT	AS NOTED
	SURFACE MOUNTED FLUORESCENT FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUIT	AS NOTED
	SURFACE MOUNTED FLUORESCENT FIXTURE CONNECTED TO LIFE SAFETY BRANCH CIRCUIT	AS NOTED
	EXIT LIGHT, CEILING MOUNTED	
	EXIT LIGHT, WALL MOUNTED	
	TWO HEAD BATTERY POWERED EMERGENCY EGRESS LIGHT	
EBP	REMOTE EMERGENCY BATTERY PACK	
"S"	LIGHTING FIXTURE TYPE DESIGNATION-SEE LIGHTING FIXTURE SCHEDULE	
	AREA OR STREET LIGHT FIXTURE	
	AREA OR STREET LIGHT FIXTURE	
FBO	FACTORY WIRED CONTROLLER OR EQUIPMENT CONNECTION, FBO.(DISCONNECTS FBE AS REQUIRED)	
	MOTOR CONTROLLER OR CONTACTOR, F.B.O. W/DISCONNECT, F.B.O. W/EQUIPMENT	
	COMBINATION MOTOR STARTER DISCONNECT	
	DISCONNECT SWITCH, NON-FUSIBLE	
	DISCONNECT SWITCH, FUSIBLE	
RT	DISCONNECT SWITCH, NON-FUSIBLE RT DENOTES NEMA-3R	
RT	DISCONNECT SWITCH, FUSIBLE RT DENOTES NEMA-3R	
HP	MOTOR CONNECTION WITH APPROXIMATE HORSE-POWER SHOWN	
T	THERMOSTAT (FBO)	
SV	SOLENOID VALVE	
PE	PHOTO-ELECTRIC SWITCH	
TC	ON-OFF TIME CLOCK	
PS	PRESSURE SWITCH	
FT	FLOAT SWITCH	
FV	FLOW SWITCH	
R	RELAY	
TR	TRANSFORMER	
J	JUNCTION BOX	
PB	PULL BOX	
	LIGHTING PANELBOARD	
	MAIN SWITCHBOARD OR DISTRIBUTION PANEL	
	ENCLOSED CIRCUIT BREAKER	
S_{PV} P_{OV}	WALL MOUNTED PIR OCCUPANCY SENSOR - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
OS	CEILING MOUNTED OCCUPANCY SENSOR - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	CEILING
S_{LV} P_{LV}	WALL MOUNTED LOW VOLTAGE SWITCH - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
S_{LV2} P_{LVD}	WALL MOUNTED LOW VOLTAGE TWO BUTTON SWITCH - BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
S_{LVD} P_{LVD}	WALL MOUNTED LOW VOLTAGE DIMMER SWITCH - BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
S_{OC} P_{OC}	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
S_{3OC} P_{OC}	THREE WAY WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR - BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
WP $_{WP}$	WEATHER RESISTENT CEILING MOUNTED OCCUPANCY SENSOR - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	
P_{OCWP}	WEATHER RESISTENT WALL MOUNTED OCCUPANCY SENSOR - FURNISHED BY ELECTRICAL	46"
S	SINGLE POLE SWITCH-(IVORY)	46"
S_2	TWO POLE SWITCH-(IVORY)	46"
S_3	THREE-WAY SWITCH-(IVORY)	46"
S_4	FOUR WAY SWITCH-(IVORY)	46"
S_D	SINGLE POLE DIMMER SWITCH (REFER TO SPEC SECTION 262726)	46"
S_{TM} P_{TM}	WALL MOUNTED PROGRAMMABLE COUNTDOWN TIMER SWITCH - FURNISHED BY ELECTRICAL (REFER TO SPEC SECTION 262726)	46"
S_{D3}	THREE-WAY DIMMER SWITCH (REFER TO SPEC SECTION 262726)	46"
S_T	THERMAL MOTOR SWITCH-(FBE)	46"
S_{TWP}	THERMAL MOTOR SWITCH, WEATHERPROOF-(FBE)	46"
S_{TP}	THERMAL MOTOR SWITCH, WITH PILOT LIGHT (FBE)	46"
S_K	KEY OPERATED SWITCH	46"
S_P	SINGLE POLE SWITCH WITH PILOT LIGHT	46"
S_{WP}	SINGLE POLE SWITCH, WEATHERPROOF	46"
P_{HS}	SINGLE POLE, DOUBLE THROW, CENTER OFF SWITCH (RED) - DARK ROOM	46"
P_{DC}	VARIABLE INTENSITY CONTROL, F.B.O. WITH FIXTURES - SEE O.F.E. BROCHURE FOR INSTALLATION	BOTTOM 46"
S_E	SINGLE POLE SWITCH ON EMERGENCY BRANCH CIRCUIT (RED)	46"
S_{E2}	DOUBLE POLE SWITCH ON EMERGENCY BRANCH CIRUIT (RED)	46"
S_{E3}	THREE-WAY SWITCH ON EMERGENCY BRANCH CIRUIT (RED)	46"
S_{EP}	SINGLE POLE SWITCH WITH PILOT LIGHT ON EMERGENCYE BRANCH CIRCUIT	46"
	120V. DUPLEX RECEPTACLE (IVORY)	18"
E	120V. DUPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT (RED)	18"
EM	120V. DUPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT (RED) FOR PATIENT MONITOR	AS SPECIFIED
	120V. DUPLEX RECEPTACLE ABOVE COUNTER (IVORY)	AS SPECIFIED
E	120V. DUPLEX RECEPTACLE ABOVE COUNTER ON EMERGENCY BRANCH CIRCUIT (RED)	AS SPECIFIED
TV	120V. DUPLEX RECEPTACLE FOR TV POWER (IVORY) ✳ 6" TO CENTERLINE BELOW FINISH CEILING	AS NOTED ✳
	120V. QUADRAPLEX RECEPTACLE-(IVORY)	18"
	SINGLE RECEPTACLE, AMPERAGE, VOLTAGE, NEMA CONFIGURATION AS REQUIRED BY EQUIP. SUPPLIER OR AS NOTED	18"
	120V. QUADRAPLEX RECEPTACLE-(IVORY)	AS SPECIFIED
E	120V. QUADRAPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT-(IVORY)	AS SPECIFIED
S	120V. DUPLEX RECEPTACLE-SAFETY TYPE-(IVORY)	18"
SE	120V. DUPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT -SAFETY TYPE-(RED)	18"
S	120V. DUPLEX RECEPTACLE-SAFETY TYPE-(IVORY)	AS SPECIFIED
SE	120V. DUPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT -SAFETY TYPE-(RED)	AS SPECIFIED
T	SINGLE RECEPTACLE-TWISTLOCK TYPE (120V.-20A. UNLESS OTHERWISE SPECIFIED)	18"
GFI	GROUND FAULT TYPE RECEPTACLE-(IVORY)	AS SPECIFIED
GFI E	GROUND FAULT TYPE RECEPTACLE ON EMERGENCY BRANCH CIRCUIT-(RED)	AS SPECIFIED
GFI WP	GROUND FAULT RECEPTACLE WEATHERPROOF	AS SPECIFIED
	120V. DUPLEX RECEPTACLE IN CONSOLE-(IVORY)	SEE DETAIL
E	120V. DUPLEX RECEPTACLE IN CONSOLE ON EMERGENCY BRANCH CIRCUIT (RED)	SEE DETAIL
S	120V. DUPLEX RECEPTACLE IN CONSOLE-SAFETY TYPE-(IVORY)	SEE DETAIL
SE	120V. DUPLEX RECEPTACLE IN CONSOLE ON EMERGENCY BRANCH CIRCUIT-SAFETY TYPE-(RED)	SEE DETAIL
	120V. DUPLEX RECEPTACLE IN CONSOLE-(IVORY)(AMPERES, VOLTAGE, & NEMA CONFIGURATION AS SPECIFIED)	SEE DETAIL
E	120V. DUPLEX RECEPTACLE IN CONSOLE ON EMERGENCY BRANCH CIRCUIT-(RED)(AMPERES, VOLTAGE, & NEMA CONFIGURATION AS SPECIFIED)	SEE DETAIL
T	120V. TWISTLOCK RECEPTACLE IN CONSOLE-(IVORY)(AMPERES, VOLTAGE, & NEMA CONFIGURATION AS SPECIFIED)	SEE DETAIL
	120V. SQUARE OR ROUND FLOOR BOX WITH (1) DUPLEX RECEPTACLE-(IVORY)	FLOOR BOX
E	120V. SQUARE OR ROUND FLOOR BOX WITH (1) DUPLEX RECEPTACLE EMERGENCY-(RED)	FLOOR BOX
	TWO GANG FLOOR BOX WITH ONE DUPLEX RECEPTACLE AND ONE TELEPHONE OUTLET	FLOOR BOX
	THREE GANG FLOOR BOX WITH ONE DUPLEX RECEPTACLE, ONE TELEPHONE OUTLET, & ONE DICTATION OUTLET	FLOOR BOX
	THREE GANG FLOOR BOX WITH TWO DUPLEX RECEPTACLES, & ONE TELEPHONE OUTLET	FLOOR BOX
P	120V. DUPLEX RECEPTACLE PREWIRED IN PRE-FAB PARTITION (FBO)	———
	SINGLE RECEPTACLE NON-EXPLOSION PROOF (HUBBELL 23000 HG)	BOTTOM 61"
	DUPLEX RECEPTACLE 20 AMP 120 VOLT	18"
E	DUPLEX RECEPTACLE ON EMERGENCY BRANCH CIRCUIT 20 AMP 120 VOLT-(RED)	18"
	DUPLEX RECEPTACLE 20 AMP 120 VOLT-(MOUNTED ABOVE COUNTER)	46"
SP	DUPLEX RECEPTACLE AND SINGLE POLE SWITCH UNDER COMMON PLATE	
	PORTABLE C-ARM OUTLET HUBBELL #2610	BOTTOM 61"
R	120V. DUPLEX FOR RADIO EQUIPMENT POWER	18"
IG	DUPLEX RECEPTACLE, ISOLATED GROUNDING,	18"
IG	DUPLEX RECEPTACLE, ISOLATED GROUNDING, INSTALL ABOVE COUNTER	46"
IG	QUADRAPLEX RECEPTACLE, ISOLATED GROUNDING	18"
WP	WEATHERPROOF DUPLEX RECEPTACLE	
W	WIREMOLD	
	PLUGMOLD #3000 WITH HUBBELL 5252 DUPLEX RECEPTACLES 24" ON CENTER	46"
P	PLUGMOLD #2100 WITH 2121 GA RECEPTACLES 24" ON CENTER	46"
W	TELE/POWER WALL OUTLET FOR CONNECTION TO PRE-FAB PARTITIONS. PROVIDE FLUSH MOUNTEDD JB & CONNECTIONS FOR POWER & TELEPHONE SERVICE	BOTTOM 1"
	TELE/POWER POLE CLG. OUTLET FOR CONNECTION TO PRE-FAB PARTITION. PROVIDE JB AND CONNECTIONS FOR POWER AND TELEPHONE SERVICE (POLE FBO)	———
LIM	REMOTE LINE ISOLATION MONITOR WITH MILLIMETER	SEE DETAIL
GJ	REMOTE RECEPTACLE GROUND JACK MODULE (ROOM GROUND POINT) SEE DETAIL	SEE DETAIL
GJ	REMOTE RECEPTACLE GROUND JACK MODULE (PATIENT GROUND POINT) SEE DETAIL	SEE DETAIL
IP	ISOLATION PANEL (FLUSH MOUNTED)	———
PB	PUSHBUTTON, FLUSH MOUNTED (SQ-D #KR-24B WITH KA-2 CONTACT BLOCK & KN-200 LEGEND PLATE WITH ID NOTED)	46"
PBW	PUSHBUTTON, WEATHERPROOF, FLUSH MOUNTED, (SQ-D #KR-24B WITH KA-2 CONTACT BLOCK & KN-200 LEGEND PLATE WITH ID NOTED)	46"
	BUZZER, 120 V., FLUSH MOUNTED SIMPLEX #4001-12 (FBE)	7'-0"
H	PUSHPAD FOR AUTOMATIC DOORS (F.B.O.)	

City of Aurora Building Division
Project: *RENOVATING OPERATING ROOMS*
Address: *REV-1501 S POTOMAC ST*
Occupancy Group: *I2*
Construction Type: *1A-SPK*
RSN: *1099872*
Permit: *2016 1083264*

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation. **2009 IBC 105.4**

Wiring in air handling spaces must comply with 2014 NEC 300.22. Firestop penetrations per 2014 NEC 300.21. Secure and support equipment per 2014 NEC 300.11.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

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ICT Project No. 140316

Seals

PE-46154 12/30/14 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By	CM
Checked By	KLW

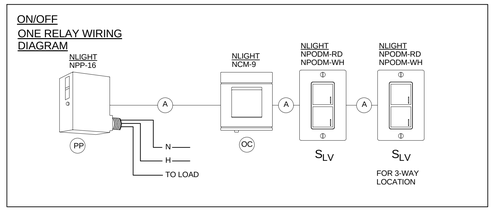
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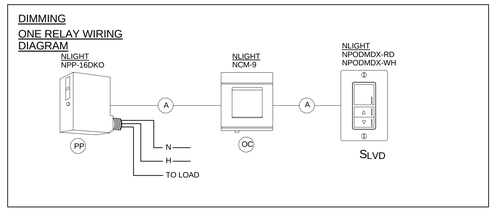
ELECTRICAL LEGEND AND SCHEDULES

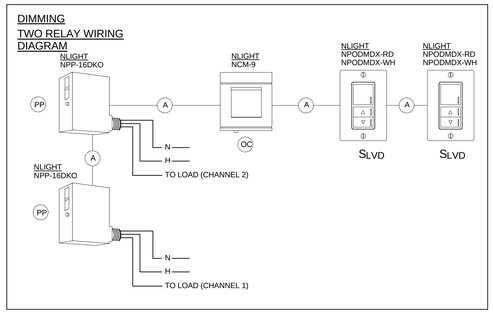
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NOTE:
LINE VOLTAGE AND LOW VOLTAGE WIRING SHOWN FOR REFERENCE ONLY. PLEASE REFER TO PRODUCT DATASHEETS FOR DETAILED WIRING INFORMATION.

WIRE LEGEND

(A) CAT 5 (LOW VOLTAGE)

SYMBOLS GENERAL NOTES:

A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.

B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISH FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.

C. WHERE COVERPLATES CONFLICT WITH CASEWORK OR MILLWORK, SLIGHTLY ADJUST THE MOUNTING HEIGHTS OF THE WIRING DEVICES TO MAKE THE COVERPLATES CLEAR THE COUNTERTOP OR BACKSPLASH BY 1".

D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.

E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.

F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

FIXTURE SCHEDULE - BASE BID

TYPE	MANUFACTURER	CATALOG NUMBER	NUMBER & SIZE LAMPS	BALLAST TYPE	BALLAST FACTOR	WATTS PER FIXTURE	MOUNT	REMARKS	NOTES
1	HEALTHCARE LTG	HPT724 G 120 ALB TAI LVC 2ACF40 RALB 1RC40 EPA 3SCF40 SL NLF AM	(6)40W BIAX	-	-	224	RECESSED	2' x 4' MULTI FUNCTION PATIENT ROOM LIGHT	(H)
2	PINNACLE	EV3WG-40-XX-FL-120-IC-W	LED				RECESSED	WALL GRAZER-COORDINATE EXACT LENGTH w/REFLECTED CEILING PLAN	
3	LITHONIA	2TL243L FW A19 D46 LP840	LED			46	RECESSED	2' x 2' RECESSED GRID FIXTURE W/DAMP LOCATION GASKET	
4	LITHONIA	2GT8-332 K12 MVOLT 1/4 BPLP	(3) 32W T8	EPS	0.77	92	RECESSED	2' x 4' 3-LAMP TROFFER W/ACRYLIC LENS	(C)
5	LITHONIA	2GT8 432 K12 MVOLT 1/4 BPLP	(4) 32W T8	EPS	0.77	119	RECESSED	2' x 4' 4-LAMP TROFFER W/ACRYLIC LENS	(C)
5S	LITHONIA	2GTL 4 72L K12 LP840	LED			77	RECESSED	2' x 4' LED TROFFER W/ACRYLIC LENS	
6	LITHONIA	2GT8 232 K12 MVOLT BPLP	(2) 32W T8	EPS	0.77	62	RECESSED	2' x 4' 2-LAMP TROFFER W/ACRYLIC LENS	(C)
7	LITHONIA	2VTL 4 40L ADP D40 LP840	LED			39	RECESSED	2' x 4' LED TROFFER, INDIRECT	
7H	MARK	NOLLD 24 XX H 40 AD 120 RWF NX	LED			90	RECESSED	2' x 4' LOW PROFILE GRID FIXTURE W/DIMMABLE DRIVER	
7N	MARK	NOLLD 24 XX N 40 AD 120 RWF NX	LED			45	RECESSED	2' x 4' LOW PROFILE GRID FIXTURE W/DIMMABLE DRIVER	
8	LITHONIA	2AV G 332 ADP MVOLT BPLP ALG	(3) 32W T8	EPS	0.77	93	RECESSED	2' x 4' INDIRECT FIXTURE WITH DUST SHIELD	(C)
8S	LITHONIA	2VTL 4 72L ADP D40 LP840 BLD	LED			77	RECESSED	2' x 4' LED TROFFER, INDIRECT	
9	LITHONIA	2VRT G 3 32 AR12 MVOLT GEB10IS RK1 T20BIT	(3) 32W T8	EIS	0.78	92	RECESSED	VANDAL RESISTANT 2'X4' RECESSED TROFFER	(C)
10	MODA LIGHT	POWER FLEX SINGLE COLOR-WW	LED				COVE	WARM WHITE LED FLEX COVE LIGHT W/MP09 DRIVER. PROVIDE LENGTH AS REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS	
11	EVERBRITE	MEDLUX COVE LED MALSXXXXFD	LED				COVE	120V WARM WHITE LED COVE LIGHT. PROVIDE LENGTH AS REQ'D. (480W PER POWER SUPPLY)	
12	LITHONIA	2GT8 217 K12 MVOLT BPLP	(2) 17W T8	EPS	0.77	35	RECESSED	2' x 2' TROFFER W/ACRYLIC LENS	(C)
13	LITHONIA	2SRH G 432 FWF SYA 120 1/4GEB10IS	(4) 32W T8	EPS	0.77	119	RECESSED	2' x 4' CLEAN ROOM TROFFER W/ACRYLIC LENS	(C)
14	LITHONIA	2AV G 217 ADP MVOLT BPLP ALG	(2) 17W T8	EPS	0.77	35	RECESSED	2' x 2' INDIRECT FIXTURE WITH DUST SHIELD	(C)
14F	LITHONIA	2AV G 217 ADP MVOLT BSNP ALG	(2) 17W T8	EPS	0.77	35	RECESSED	SAME AS TYPE '14' EXCEPT W/STEP DIMMING BALLAST	(C)
14N	MARK	NOLLD 22 XX N 40 AD 120 RWF NX	LED			24		2' x 2' LOW PROFILE GRID FIXTURE W/DIMMABLE DRIVER	
14S	LITHONIA	2VTL 2 24L ADP D24 LP840 BLD	LED			20	RECESSED	2'x2' LED TROFFER	
15	ETS LINDGREN	ZXR-4000	LED			32	RECESSED	LED MRI LIGHT	
17	LITHONIA	C232 120 GEB10IS PAF WGCUN NST HC36	(2) F32 T8			62	SURFACE	4' STRIP LIGHT W/WIRE GUARD AND CHAIN SET	(C)
18	ARMSTRONG	TBSL-MN-4-D-U-C W/ TBSL-PS-HP-100W-UNV	LED				RECESSED	4" W LOBBY STRIP-MOUNTED IN GRID CEILING-COORD WITH ARCH RCP	
19	ACUITY BRANDS	EIS 3 32 MVOLT 1/3 BILP STS	(3) F32 T8	EIS	0.78	92	SURFACE	4' STRIP LIGHT HAZARDOUS/WET LOCATION GASKETED FIXTURE	
20	LITHONIA	9PMO G B/32 10LD 120 GEB10PS	(1) F32 T8	EPS	0.77	34	RECESSED	9" x 4' PARABOLIC TROFFER	(C)
21	HEALTHCARE LTG	HCV324 G MVOLT SPO L4-XX-LED-DMTR4-AM	LED			79	RECESSED	VISUAL THERAPY FIXTURE (REMOTE DRIVERS THAN MRI FILTER)	(B)
22	PINNACLE	EW-1T5-6'-G1G-UNV-1C-W	T5			56	RECESSED	LINEAR WALL WASHER	
25	ACUITY BRANDS	AV G 2 32 ADP ASY MVOLT BPLP ALG	(2) 32W T8	EPS	0.77	62	RECESSED	1'X4' ASYMMETRIC INDIRECT W/ SIDE BASKET & DUST COVER	(C)
33	LITHONIA	W232 MVOLT GEB10IS EL PAF	(2) 32W T8	EIS	0.77	62	RECESSED	STAIRWELL LIGHT W/ BATTERY PACK. MOUNT 8'-6" ABOVE LANDING	(C)
41	HEALTHCARE LTG	HST124-F-MVOLT-6-T8-2C	(6) 32W T8			184	RECESSED	2' x 4' TROFFER W/HIGH CRI ANTIMICRO BIAL PAINT	(C)
42	HEALTHCARE LTG	HST124-F-MVOLT-6-T8-2C-850	(6) 32W T8			184	RECESSED	2' x 4' TROFFER W/HIGH CRI ANTIMICRO BIAL PAINT W/BATTERY PACK RATED FOR 90 MIN.	(C)
43	LITHONIA	LF6N F6O2AZ 1/13TRT T73 MVOLT	(1) 13W TRT			16	RECESSED	6" FLUORESCENT DOWNLIGHT	
44	GOTHAM	SQF-1/18TRT-4AR-MVOLT	18W CFL			20	RECESSED	SQUARE 4" FLUORESCENT DOWNLIGHT	
45	LITHONIA	LF6N F6O1AZ 1/42TRT T73 MVOLT	(1) 42W TRT			44	RECESSED	6" FLUORESCENT DOWNLIGHT	
48	LITHONIA	LF6N F6LF73 2/13DTT MVOLT	(2) 13W DTT			27	RECESSED	LENSED SHOWER DOWNLIGHT	
49	GOTHAM	AFVW 32TRT 5AR MVOLT	(1) 32W CFL			35	RECESSED	WALL WASH FIXTURE	
51	ARYE LIGHTING	CIRD BN LED	LED			39	SURFACE	DECORATIVE ARCHITECTURAL SPECIFIED SCONCE	
52	WINONA	5622-W-24-WLG-BAL	(2) 14W T5			30	SURFACE	DECORATIVE ARCHITECTURAL SPECIFIED SCONCE	
53	FEISS	WB1479BS	(1) 60W A19			60	SURFACE	WALL SCONCE IN PUBLIC TOILETS LEVELS SL1 & SL2	(B) (D)
54	WINONA	4620-F/R-OA-PC	(1) 26W CFL			30	SURFACE	DECORATIVE ARCHITECTURAL SPECIFIED SCONCE	
55	WINONA	5451-F-OA-BN	(2) 13W CFL			30	SURFACE	DECORATIVE ARCHITECTURAL SPECIFIED SCONCE	
56	-	-	-			-	SURFACE	DECORATIVE ARCHITECTURAL SPECIFIED SCONCE IN READ ROOMS	
61	GOTHAM	EVO 35/18 6AR 120	LED			37	RECESSED	6" DIMMABLE LED DOWNLIGHT	
64	GOTHAM	EVO-SQ-41/14-4AR-LD-120	LED			26	RECESSED	4" LED SQUARE DOWNLIGHT	
65	GOTHAM	EVO-41/22-6AR-LD-120	LED			32	RECESSED	HIGH OUTPUT LED DOWN CAN	
66	GOTHAM	EVO-SQ-41/14-6AR-LD-120	LED			26	RECESSED	6" LED SQUARE DOWNLIGHT	
68	KENALL	MRIDL6VL2-13L30K-24VDC-PAFW-T	LED				RECESSED	MRI DOWNLIGHT W/MRIPS-312 POWER SUPPLY (24VDC)	
69	HEALTHCARE LTG	HNL 710-120-LED30	LED				RECESSED	NIGHTLIGHT (WHITE)	
71	LITHONIA	LRP 1 RW 120/277	LED			3.1	UNIVERSAL	SINGLE SIDED EDGE LIT EXIT SIGN	
72	LITHONIA	LRP 2 RW 120/277	LED			3.1	UNIVERSAL	DOUBLE SIDED EDGE LIT EXIT SIGN	
73	ACUITY BRANDS	ELM1272 / ELA WG2M	LED			11.1	UNIVERSAL	DOUBLE HEAD EMERGENCY LIGHT	
76	LITHONIA	LEPW1R 120/277 SW9, SW11 OR SW16	LED			3.8	SURFACE	WARNING LIGHT (SW11) = "MAGNET IN USE", (SW16) = "X-RAY IN USE", (SW9) = "IN USE"	
78	KENALL	N1048 C 4 40B RS 1 DV	(4) 40W BIAX			152	SURFACE	4' LINEAR ELEVATOR PIT LIGHT (WET LABEL)	
80	LITHONIA	MDPC BNP DTCL 1001	LED				PENDANT	ARCHITECTURAL SPECIFIED PENDANT	
E1	WINONA	5250-WL-2B-FT8/MH39	CFL/MH				SCONCE	EXTERIOR WALL SCONCE w/INTEGRAL MH DOWNLIGHT	
E2	ACUITY BRANDS	AH 100MHC 8AR T73 HEB	(1) 100W MH			150	RECESSED	CANOPY DOWNLIGHT	
E2Q	ACUITY BRANDS	AH 100MHC 8AR T73 QRS HEB	(1) 100W MH			150	RECESSED	CANOPY DOWNLIGHT W/QUARTZ RESTRIKE	
E3	ACUITY BRANDS	LF8N 2/26DTT F802AZ MVOLT	(2) 26W CFL			57	RECESSED	8" EXTERIOR DOWNLIGHT W/COLD WEATHER BALLAST	
E4	LITHONIA	DSXPG LED 10C 1000 40K T5M MVOLT	LED			37	SURFACE	PARKING GARAGE FIXTURE	
E5	LITHONIA	REVF 70M FWS T73 120	(1) 70W MH				RECESSED	SQAURE CANOPY DOWN LIGHT	
E5Q	LITHONIA	REVF 70M FWS T73 120 QRS	(1) 70W MH				RECESSED	SAME AS TYPE E5 EXCEPT W/QUARTZ RESTRIKE	
E6	WINONA	5254-WL-26-FT8-120V	(1) F17 T8				SURFACE	WALL SCONCE EXTERIOR	(B) (D)
E7	LITHONIA	EVO-41-20-AR-WD-120V	LED			37	RECESSED	4" LED DOWNLIGHT LISTED FOR WET LOCATION (HEIGHT 6 7/16")	
E8	KIM LIGHTING	LTV71SP/18L5K/UV/HS50	18W LED	-	-	-	IN GRADE	FLAGPOLE ACCENT LIGHTS	
E9	FORMS+SURFACES	LBLCO-604	LED				BOLLARD	ILLUMINATED BOLLARD WITH EMBEDED SECURITY CORE. NO SHIELD.	(A)
E10	LITHONIA	WSTLED210A700SR4MVOLTPEDBXD	LED				WALL	WALL PACK WITH PHOTOCELL	
E11	COOPER	VWM-250MH-MTM3S-WH-277V	250W MH				WALL	MATCH HEIGHT OF EXISTING WALLPACKS ON EXISTING NICU EXTERIOR WALL	
U1	HEALTCARE LTG	HUC5 23 MVOLT LED40 OS AM	LED			24	SURFACE	2' UNDERCABINET LIGHT WITH OCC SENSOR	(F)
U2	HEALTCARE LTG	HUC5 23 MVOLT LED40 S1 AM	LED			24	SURFACE	2' UNDERCABINET LIGHT WITH ROCKER SWITCH	(F)
A	LITHONIA	DSX1LED-60C-1000-40K-T2M-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	PARKING/SITE LIGHTING TYPE 2 DISTRIBUTION	
A2	LITHONIA	DSX1LED-60C-1000-40K-T2M-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	TWO HEAD PARKING/SITE LIGHTING TYPE 2 DISTRIBUTION	
B	LITHONIA	DSX1LED-60C-1000-40K-T3M-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	PARKING/SITE LIGHTING TYPE 3 DISTRIBUTION	
C	LITHONIA	DSX1LED-60C-1000-40K-T3S-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	PARKING/SITE LIGHTING TYPE 3 SHORT DISTRIBUTION	
D	LITHONIA	DSX1LED-60C-1000-40K-T4M-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	PARKING/SITE LIGHTING TYPE 4 DISTRIBUTION	
E	LITHONIA	DSX1LED-60C-1000-40K-T5W-MVOLT-SPA-DMG-DWHXD	LED			138	28' POLE	PARKING/SITE LIGHTING TYPE 5 DISTRIBUTION	
H1	DOWNING	MODEL 1601 SERIES 120V	(1) 60W				FLUSH MTD.	HELIPAD INSET LIGHT	
H2	DOWNING	MODEL 700 SERIES 120V	(2)150W (1)35W				SURFACE	SURFACE FLOODLIGHT W/ PERIMETER LIGHTING	
H3	POINT LIGHTING	PWC-8072L-1-ON-HBA-D-L	(4)LED FL (1)LED OB				WINDCONE	LIGHTED WINDCONE W/ OBSTRUCTION LIGHTING	
H4	POINT LIGHTING	POL-21003-R-1-F-34B-S-P	LED				OBSTRUCTION	FAA OBSTRUCTION LIGHT	

GENERAL NOTES:

1. ELECTRICAL CONTRACTORS MUST CONTACT GRAYBAR ELECTRIC SUPPLY IN NASHVILLE, TN FOR ALL LIGHTING FIXTURE AND LIGHTING CONTROL QUOTATIONS. FIXTURES ARE TO BE QUOTED AND ORDERED TRHOUGH GRAYBAR ELECTRIC SUPPLY NASHVILLE - CORPORATE ACCOUNTS WITHOUT EXCEPTION.

2. IN AREAS WITH HARD CEILINGS, ELECTRICAL CONTRACTOR IS TO PROVIDE FLANGE TYPE EQUIVALENT TO GRID TYPE AS SHOWN ON FIXTURE SCHEDULE AND FLOOR PLANS. COORDINATE WITH REFLECTED CEILING PLANS PRIOR TO SUBMITTAL PACKAGE.

CONTACT:
GRAYBAR ELECTRIC - NASHVILLE, TN
1-800-678-4081
HCA@GRAYBAR.COM

NOTES:

(A) NO SUBSTITUTIONS. PROVIDE AS SPECIFIED.
(B) ARCHITECT TO SPECIFY CUSTOM COLOR/FINISH. REFER TO ARCHITECTURAL FINISH DRAWINGS.
(C) LAMPS ARE TO BE HIGH PERFORMANCE T8 LAMPS WITH AN INITIAL LUMEN OF 3100 OR GREATER AND A MINIMUM OF 30,000 HR RATED LAMP LIFE & CRI>82. ALL ELECTRONIC BALLASTS ARE TO BE MANUFACTURED BY GE, PHILIPS/ADVANCE, UNIVERSAL, OR SYLVANIA.
(D) REFER TO ARCHITECTURAL ELEVATION FOR EXACT MOUNTING HEIGHTS.
(E) PROVIDE LAMPS WITH COLOR TEMPERATURE OF 5000K.
(F) OVERALL HEIGHT OF FIXTURE MUST NOT BE GREATER THAN 1.125".
(G) ELECTRONIC DIMMING BALLAST MUST BE COMPATIABLE WITH DIMMER WALL SWITCH. ELECTRICAL CONTRACTOR TO COORDINATE.
(H) PROVIDE LOW VOLTAGE RELAY AND SEQUENTIAL SWITCH FOR CONTROL OF LIGHT FIXTURE USING NURSE CALL PILLOW SPEAKERS OR BED SIDE COMMUNICATION UNIT. PROVIDE ALL CONNECTIONS.

BALLAST TYPE:

EPS=ELECTRONIC PROGRAM START
EIS=ELECTRONIC INSTANT START

NOTE TO CONTRACTOR:

NOT ALL FIXTURES ON THIS SCHEDULE MAYBE USED FOR THIS JOB. VERIFY TYPE OF FIXTURES TO BE USED ON THIS JOB PRIOR TO SUBMITTALS.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
Permit #: 2016 1083264

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By	CM
Checked By	KLW

Drawing Title

ELECTRICAL FIXTURE SCHEDULE

Sheet Number

E0.02

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REPLACE EXISTING FIRE ALARM CONTROL PANEL WITH NEW . RECONNECT TO EXISTING LIFE SAFETY BRANCH CIRCUIT.

3#3,1#8G IN 1"C

EQHS-21

NEW AIR COMPRESSOR TO BE INSTALLED IN PHASE I

3#3, 1#8G. IN 1"C.

NHS-1,3,5

EXISTING RTU 97-9

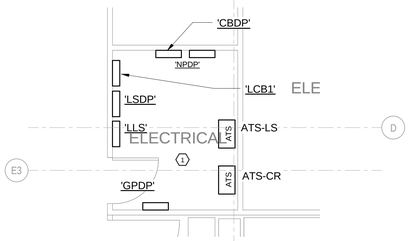
EXISTING 'L1D'

EXISTING 'CL1D'

EXISTING 'CL1E'

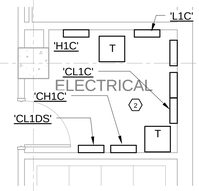
1 1ST FLOOR ELEC. ORIENTATION PLAN

SCALE: 1/16" = 1'-0"



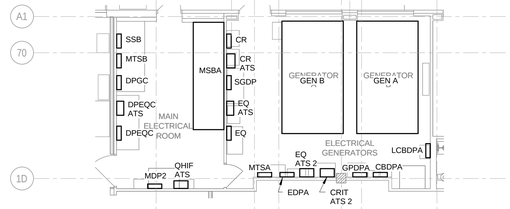
2 ENLARGED ELEC. ROOM 1E-4901A

SCALE: 1/4" = 1'-0"



3 ENLARGED ELEC. ROOM 1W-1907A

SCALE: 1/4" = 1'-0"



4 ENLARGED MAIN ELECTRICAL ROOM AND GENERATOR ROOM

SCALE: 1/8" = 1'-0"

NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING AND FOR REFERENCE ONLY.
2. EXISTING PANELS TO BE REMOVED IN PHASE V. REFER TO NOTE 3 FOR AREAS AFFECTED BY THIS WORK.
3. THIS AREA CURRENTLY HAS ITS BRANCH CIRCUITRY FED FROM PANELS CH1C, L1C, AND CL1C. THESE EXISTING BRANCH CIRCUITS ARE TO REMAIN AND SHALL BE FED FROM NEW PANELS INSTALLED IN PHASE V. REFER TO SHEET E1.05.
4. EXISTING PANEL CL1E IS CURRENTLY FED FROM CH1C. REFER TO NEW WORK PLANS AND RISER DIAGRAM FOR INFORMATION ON REFEEDING THIS PANEL.
5. EXISTING PANEL L1D IS CURRENTLY FED FROM L1C. REFER TO NEW WORK PLANS AND RISER DIAGRAM FOR INFORMATION ON REFEEDING THIS PANEL.
6. EXISTING ROOF TOP UNIT TRU-97-9 IS CURRENTLY FED FROM EXISTING PANEL H1C. REFEED RTU FROM NEW PANEL NHS AS SHOWN DURING PHASE V CONSTRUCTION PRIOR TO DEMOLITION OF PANEL H1C.

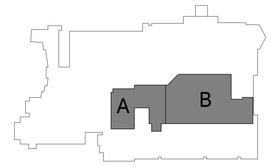
GENERAL NOTES:

HATCHED AREAS INDICATE ALL ELECTRICAL DEVICES TO BE REMOVED.

CROSS HATCHED AREA INDICATE ALL EXISTING LIGHT FIXTURES AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED.

City of Aurora Building Division
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Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



FIRST FLOOR KEY PLAN

I.C. Thomasson Associates, Inc.

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Seals

PE-46154 12/30/14 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

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Issue Date	12/31/14
Project No	140389
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Checked By	KLW

Drawing Title

ELEC. ORIENTATION PLAN

Sheet Number

E1.00

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1ST FLOOR ELEC. PLAN PART A

SCALE: 1/8" = 1'-0"

FIRST FLOOR KEY PLAN

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DOCUMENT CHANGES

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Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
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Drawing Title

FIRST FLOOR ELEC. PLAN PART A

Sheet Number

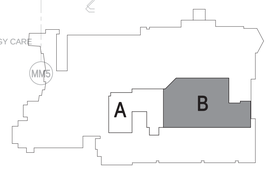
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1ST FLOOR ELEC. PLAN PART B

SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN

City of Aurora Building Division
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Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

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Permit #: 2016 1083264

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FIRST FLOOR ELEC. PLAN PART B

Sheet Number

E1.00B

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WIRE AND CONDUIT DESIGNATION SCHEDULE

DESIG. #	DESCRIPTION	COPPER WIRE AMPACITY (THHN/THWN)	COPPER CONDUCTORS SETS	COPPER CONDUCTORS (QTY) AWG or Kcmil	COPPER CONDUIT NOMINAL DIA.	DESIG. #	DESCRIPTION	ALUMINUM ALLOY, COMPACT STRANDED WIRE AMPACITY (XHHW)	ALUMINUM ALLOY, COMPACT STRANDED CONDUCTORS SETS	ALUMINUM ALLOY, COMPACT STRANDED CONDUCTORS (QTY) AWG or Kcmil	ALUMINUM ALLOY, COMPACT STRANDED CONDUIT NOMINAL DIA.
(1)		20	1	(2) #12	3/4"						
(2)		20	1	(2) #12, (1) #12 G	3/4"						
(3)		20	1	(3) #12, (1) #12 G	3/4"						
(4)		20	1	(4) #12, (1) #12 G	3/4"						
(5)		30	1	(2) #10, (1) #10 G	3/4"						
(6)		30	1	(3) #10, (1) #10 G	3/4"						
(7)		30	1	(4) #10, (1) #10 G	3/4"						
(8)		40	1	(2) #8, (1) #10 G	3/4"						
(9)		40	1	(3) #8, (1) #10 G	3/4"						
(10)		40	1	(4) #8, (1) #10 G	3/4"						
(11)		55	1	(2) #6, (1) #10 G	3/4"						
(12)		55	1	(3) #6, (1) #10 G	3/4"						
(13)		55	1	(4) #6, (1) #10 G	1"						
(14)		70	1	(2) #4, (1) #8 G	1"						
(15)		70	1	(3) #4, (1) #8 G	1"						
(16)		70	1	(4) #4, (1) #8 G	1 1/4"						
(17)		85	1	(2) #3, (1) #8 G	1"						
(18)		85	1	(3) #3, (1) #8 G	1"						
(19)		85	1	(4) #3, (1) #8 G	1 1/4"						
(20)		95	1	(2) #2, (1) #8 G	1"						
(21)		95	1	(3) #2, (1) #8 G	1 1/4"						
(22)		95	1	(4) #2, (1) #8 G	1 1/4"						
(23)		130	1	(2) #1, (1) #6 G	1 1/4"						
(24)		130	1	(3) #1, (1) #6 G	1 1/4"						
(25)		130	1	(4) #1, (1) #6 G	1 1/2"						
(26)		150	1	(2) #1/0, (1) #6 G	1 1/4"						
(27)		150	1	(3) #1/0, (1) #6 G	1 1/2"						
(28)		150	1	(4) #1/0, (1) #6 G	2"						
(29)		175	1	(2) #2/0, (1) #6 G	1 1/2"						
(30)		175	1	(3) #2/0, (1) #6 G	1 1/2"						
(31)		175	1	(4) #2/0, (1) #6 G	2"						
(32)		200	1	(2) #3/0, (1) #6 G	1 1/2"						
(33)		200	1	(3) #3/0, (1) #6 G	2"						
(34)		200	1	(4) #3/0, (1) #6 G	2"						
(35)		230	1	(2) #4/0, (1) #4 G	1 1/2"	(35)		230	1	(2) 300 Kcmil, (1) #2 G	2"
(36)		230	1	(3) #4/0, (1) #4 G	2"	(36)		230	1	(3) 300 Kcmil, (1) #2 G	2 1/2"
(37)		230	1	(4) #4/0, (1) #4 G	2 1/2"	(37)		230	1	(4) 300 Kcmil, (1) #2 G	2 1/2"
(38)		255	1	(3) 250 MCM, (1) #4 G	2"	(38)		250	1	(3) 350 Kcmil, (1) #2 G	2 1/2"
(39)		255	1	(4) 250 MCM, (1) #4 G	2 1/2"	(39)		250	1	(4) 350 Kcmil, (1) #2 G	3"
(40)		285	1	(3) 300 MCM, (1) #4 G	2 1/2"	(40)		310	1	(3) 500 MCM, (1) #1 G	3"
(41)		285	1	(4) 300 MCM, (1) #4 G	3"	(41)		310	1	(4) 500 MCM, (1) #1 G	3"
(42)		310	1	(3) 350 MCM, (1) #3 G	2 1/2"	(42)		310	1	(3) 500 MCM, (1) #1 G	3"
(43)		310	1	(4) 350 MCM, (1) #3 G	3"	(43)		310	1	(4) 500 MCM, (1) #1 G	3"
(44)		380	1	(3) 500 MCM, (1) #3 G	3"	(44)		385	1	(3) 750 MCM, (1) #1 G	3 1/2"
(45)		380	1	(4) 500 MCM, (1) #3 G	3 1/2"	(45)		385	1	(4) 750 MCM, (1) #1 G	3 1/2"
(46)		460	2	(4) 4/0, (1) #2 G	2 1/2"	(46)		460	2	(4) 300 MCM, (1) #1/0 G	2 1/2"
(47)		510	2	(4) 250 MCM, (1) #1 G	2 1/2"	(47)		540	2	(4) 400 MCM, (1) #2/0 G	3"
(48)		620	2	(4) 350 MCM, (1) #1/0 G	3"	(48)		620	2	(4) 500 MCM, (1) #3/0 G	3"
(49)		760	2	(4) 500 MCM, (1) #1/0 G	3 1/2"	(49)		770	2	(4) 750 MCM, (1) #3/0 G	4"
(50)		855	3	(4) 300 MCM, (1) #2/0 G	3"	(50)		930	3	(4) 500 MCM, (1) #4/0 G	3"
(51)		930	3	(4) 350 MCM, (1) #2/0 G	3"	(51)		930	3	(4) 500 MCM, (1) #4/0 G	3"
(52)		1005	3	(4) 400 MCM, (1) #3/0 G	3"	(52)		1000	4	(4) 350 MCM, (1) #250MCM G	3"
(53)		1140	3	(4) 500 MCM, (1) #3/0 G	3 1/2"	(53)		1240	4	(4) 500 MCM, (1) #350MCM G	3 1/2"
(54)		1240	4	(4) 350 MCM, (1) #4/0 G	3"	(54)		1240	4	(4) 500 MCM, (1) #350MCM G	3 1/2"
(55)		1675	5	(4) 400 MCM, (1) #250 MCM G	3"	(55)		1700	5	(4) 600 MCM, (1) #400MCM G	3 1/2"
(56)		1900	5	(4) 500 MCM, (1) #250 MCM G	3 1/2"	(56)		2040	6	(4) 600 MCM, (1) #600MCM G	3 1/2"
(57)		2010	6	(4) 400 MCM, (1) #350 MCM G	3 1/2"	(57)		2040	6	(4) 600 MCM, (1) #600MCM G	3 1/2"
(58)		2280	6	(4) 500 MCM, (1) #350 MCM G	3 1/2"	(58)		2310	6	(4) 750 MCM, (1) #600MCM G	4"
(59)		2660	7	(4) 500 MCM, (1) #400 MCM G	3 1/2"	(59)		2695	7	(4) 750 MCM, (1) #600MCM G	4"
(60)		3040	8	(4) 500 MCM, (1) #500MCM G	3 1/2"	(60)		3080	8	(4) 750 MCM, (1) #750MCM G	4"
(61)		4180	11	(4) 500 MCM	3 1/2"	(61)		4235	11	(4) 750 MCM	4"
	* 2000	2010	6	(4) 400 MCM	4"		* 2000	2040	6	(4) 600 MCM	4"
	* 2500	2660	7	(4) 500 MCM	4"		* 2500	2720	8	(4) 600 MCM	4"
	* 4000	4180	11	(4) 500 MCM	4"		* 4000	4080	12	(4) 600 MCM	4"
	* 5000	5320	14	(4) 500 MCM	4"		* 5000	5390	14	(4) 750 MCM	4"
ALT	* 2500	2520	6	(4) 600 MCM	4"	ALT	* 2500	2550	6	(4) 900 MCM	5"
ALT	* 5000	5040	12	(4) 600 MCM	4"	ALT	* 5000	5340	12	(4) 1000 MCM	5"

* INDICATES SERVICE ENTRANCE

NOTES:

1. COPPER CONDUCTORS SHALL BE USED FOR SIZES UP TO AND INCLUDING #4/0 AWG. FEEDERS REQUIRING AMPACITIES IN EXCESS OF 225 AMPERES MAY BE EITHER COPPER OR COMPACT STRANDED ALUMINUM ALLOY AS PERMITTED BY THE N.E.C.
2. WIRE AMPACITY OF CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED 100 AMPERES OR LESS TO BE BASED UPON 60 C AMPACITY TABLE PER N.E.C. TABLE 310.16.
3. WIRE AMPACITY OF CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED OVER 100 AMPERES TO BE BASED UPON 75 C AMPACITY TABLE PER N.E.C. TABLE 310.16.
4. CONDUIT SIZES FOR COPPER CONDUCTORS BASED UPON 40% FILL TABLE FOR TYPE THHN/THWN INSULATION.
5. CONDUIT SIZES FOR COMPACT STRANDED ALUMINUM CONDUCTORS BASED UPON 40% FILL TABLE FOR TYPE XHHW INSULATION.(CHAPTER 9 TABLE 5A)
6. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED COPPER.
7. TABLE DOES NOT TAKE FEEDER LENGTH INTO CONSIDERATION. INCREASE CONDUCTOR SIZE AS REQUIRED TO MEET RECOMMENDATIONS OF N.E.C. PARAGRAPH 210-19(a), FPN No. 4.
8. UNLESS OTHERWISE NOTED #12 AWG CONDUCTORS TO BE UTILIZED FOR CIRCUIT PROTECTED BY 15 AMPERE AND 20 AMPERE OVERCURRENT DEVICES. INCREASE CONDUCTOR SIZE TO #10 AWG FOR BRANCH CIRCUITS WITH LENGTHS EXCEEDING 90 LINEAR FEET, BUT LESS THAN 175 LINEAR FEET. USE #8 AWG CONDUCTORS FOR 15 AND 20 AMPERE BRANCH CIRCUITS WITH LENGTHS GREATER THAN 175 LINEAR FEET.
9. IN GENERAL, FOR BRANCH CIRCUITS AND FEEDERS PROTECTED BY OVERCURRENT DEVICES RATED 800 AMPERE OR LESS, THE CONDUCTOR AMPACITY SHALL BE EQUIVALENT TO THE OVERCURRENT DEVICE TRIP RATING. IN THE CASE WHERE THE STANDARD OVERCURRENT DEVICE RATING DOES NOT MATCH THE CONDUCTOR AMPACITY, THE NEXT LARGEST TRIP RATING MAY BE USED. EXCEPTIONS INCLUDE SPECIAL VENDOR REQUIREMENTS, MOTOR LOADS AND OTHER EQUIPMENT AS DICTATED BY THE N.E.C.
10. FOR FEEDER CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED GREATER THAN 800 AMPERES, THE AMPACITY RATING MUST MEET OR EXCEED THE OVERCURRENT DEVICE TRIP RATING. EXCEPTIONS SHALL INCLUDE MOTOR LOADS AND OTHER SPECIAL VENDOR REQUIREMENTS.
11. EQUIPMENT GROUNDING CONDUCTORS ARE NOT REQUIRED FOR SERVICE ENTRANCE FEEDERS.

GENERAL NOTE:

ALL WORK SHALL COMPLY WITH 2014 NEC, ARTICLE 517.

RISER NOTES:

1. PROVIDE A NEW 225A/3P BREAKER IN EXISTING PANEL NPDP TO SERVE NEW PANEL NHS AS SHOWN.
2. REPLACE EXISTING 60A/3P SPARE BREAKER WITH A NEW 150A/3P SG, MET, LSI BREAKER TO SERVE NEW PANEL ECOR AS SHOWN.
3. PROVIDE A NEW 400A/3P BREAKER IN EXISTING PANEL CR TO SERVE NEW PANEL ECHS AS SHOWN.
4. PROVIDE A NEW 70A/3P BREAKER IN EXISTING PANEL LSDP TO SERVE NEW TRANSFORMER AS SHOWN.
5. EXISTING PANEL TO BE REFED FROM NEW PANEL AS SHOWN IN PHASE V. REFER TO SHEETS E1.00 AND E1.05 FOR MORE INFORMATION.
6. PROVIDE A NEW 600A/3P BREAKER IN EXISTING PANEL DPEQC TO FEED NEW PANEL EQHS AS SHOWN.
7. REPLACE EXISTING 600A/3P BREAKER WITH A NEW 800A/3P BREAKER TO SERVE ATS DPEQC AS SHOWN. REFER TO ONE-LINE SHEET E4.00 FOR TYPE OF BREAKER TO BE INSTALLED.
8. REPLACE EXISTING 600A FEEDER WITH A NEW 800A FEED AS SHOWN.

ELECTRICAL RISER DIAGRAM

LINE WEIGHT LEGEND	
———	SCREENED - EXISTING EQUIPMENT
———	BOLD - NEW CONSTRUCTION
— — —	DASHED- EQUIPMENT TO BE REMOVED

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC
RSN: 1099872
Permit #: 2016 1083264

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES	
Description	Date
Revision 1	02/03/15
Revision 3	05/12/15
RFI #61	07/28/15
City Response	05/02/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

ELECTRICAL RISER DIAGRAM

Sheet Number

E0.03

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1 1ST FLOOR ELEC. PLAN PART A
SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

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1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By CM	Checked By KLW

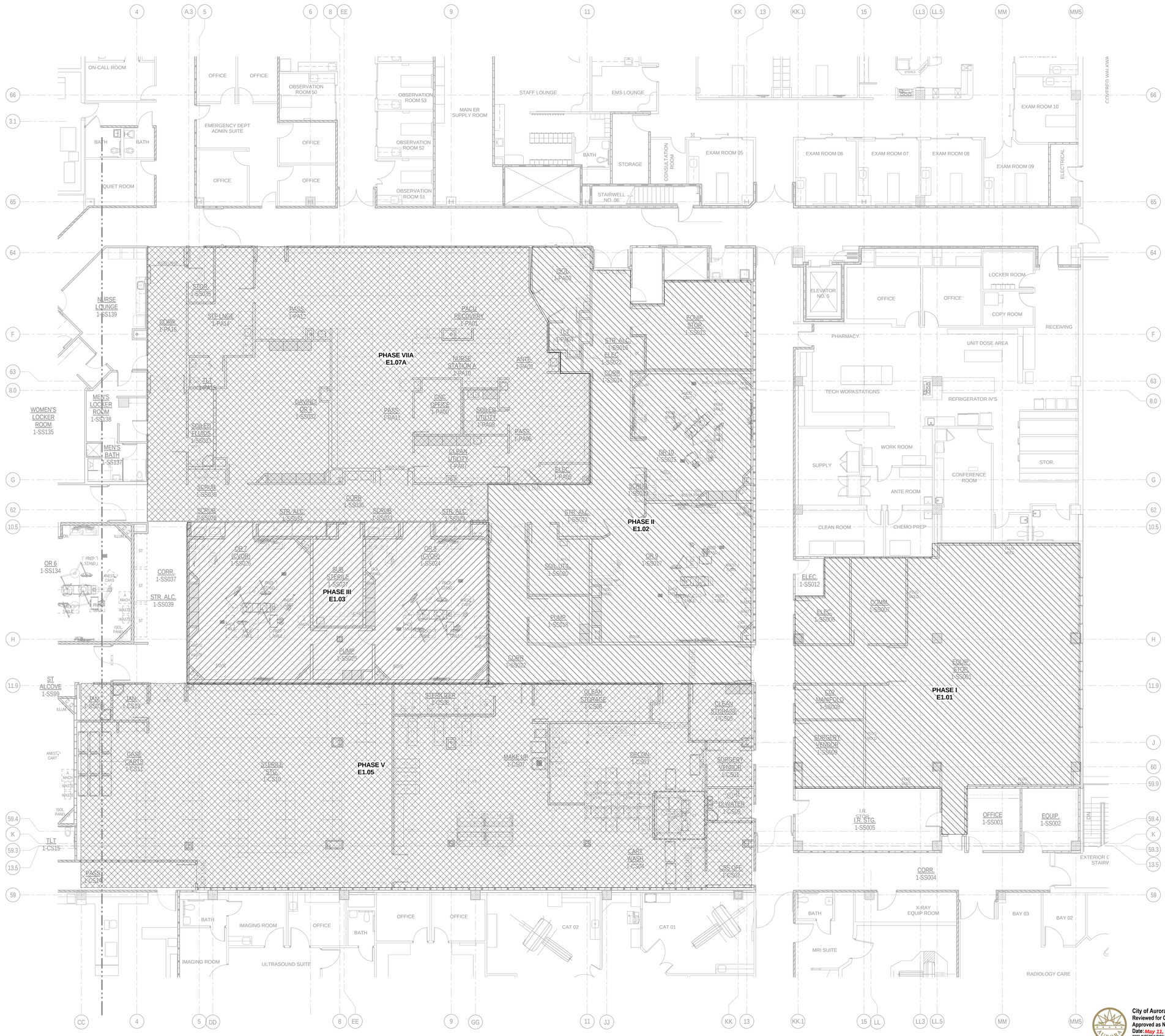
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FIRST FLOOR ELEC. PLAN PART A

Sheet Number

E1.00A

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1 1ST FLOOR ELEC. PLAN PART B

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
Permit #: 2016 1083264

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1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By CM	Checked By KLW

Drawing Title

FIRST FLOOR ELEC. PLAN PART B

Sheet Number

E1.00B

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DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE', REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

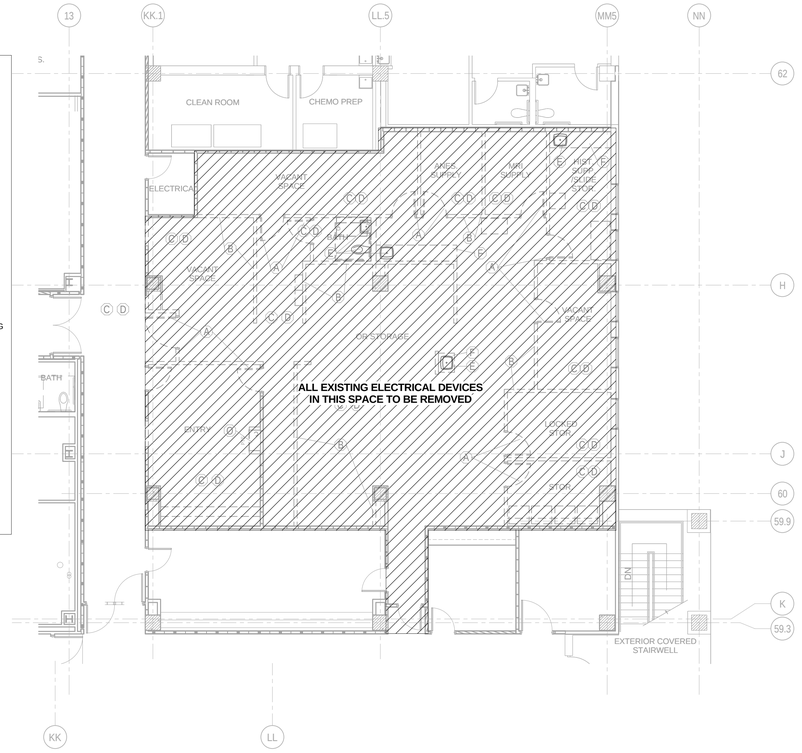
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

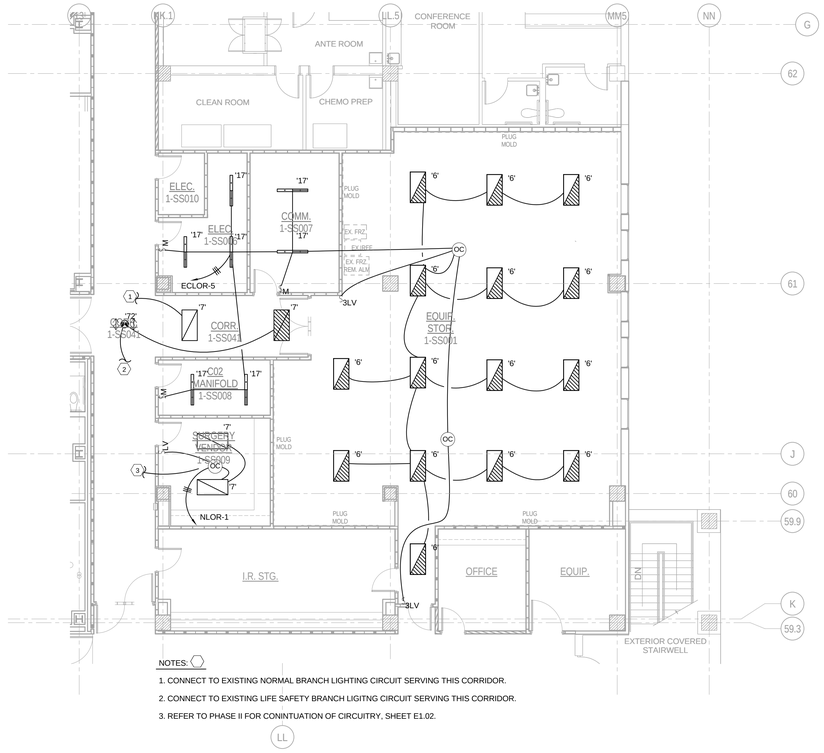
H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



1 ELECTRICAL DEMOLITION PLAN - PHASE I

SCALE: 1/8" = 1'-0"



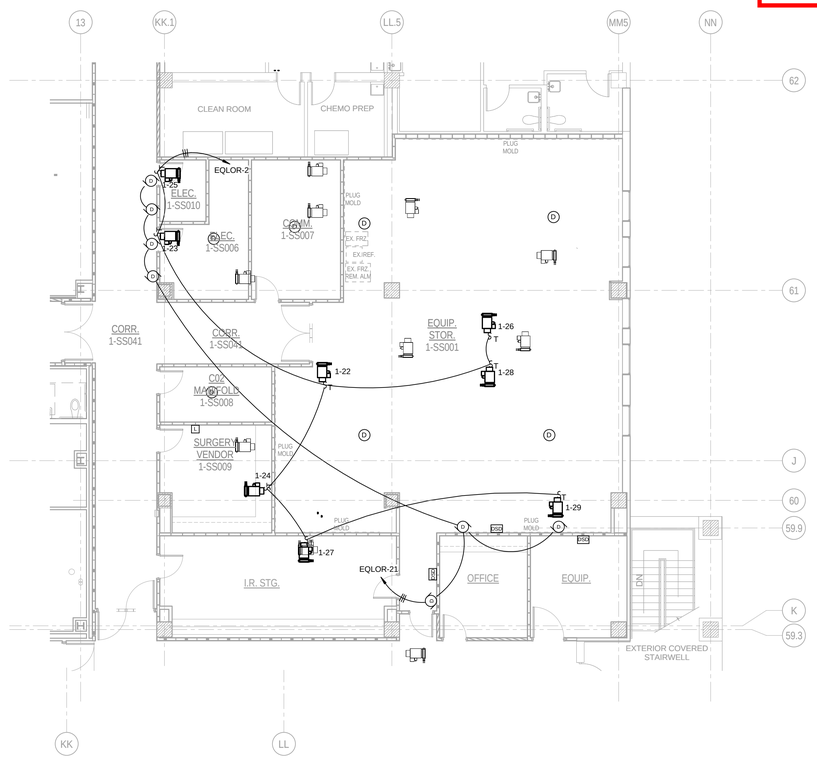
NOTES:

1. CONNECT TO EXISTING NORMAL BRANCH LIGHTING CIRCUIT SERVING THIS CORRIDOR.
2. CONNECT TO EXISTING LIFE SAFETY BRANCH LIGITNG CIRCUIT SERVING THIS CORRIDOR.
3. REFER TO PHASE II FOR CONINTUATION OF CIRCUITRY, SHEET E1.02.

2 LIGHTING PLAN - PHASE I

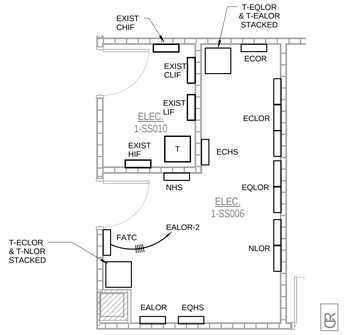
SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



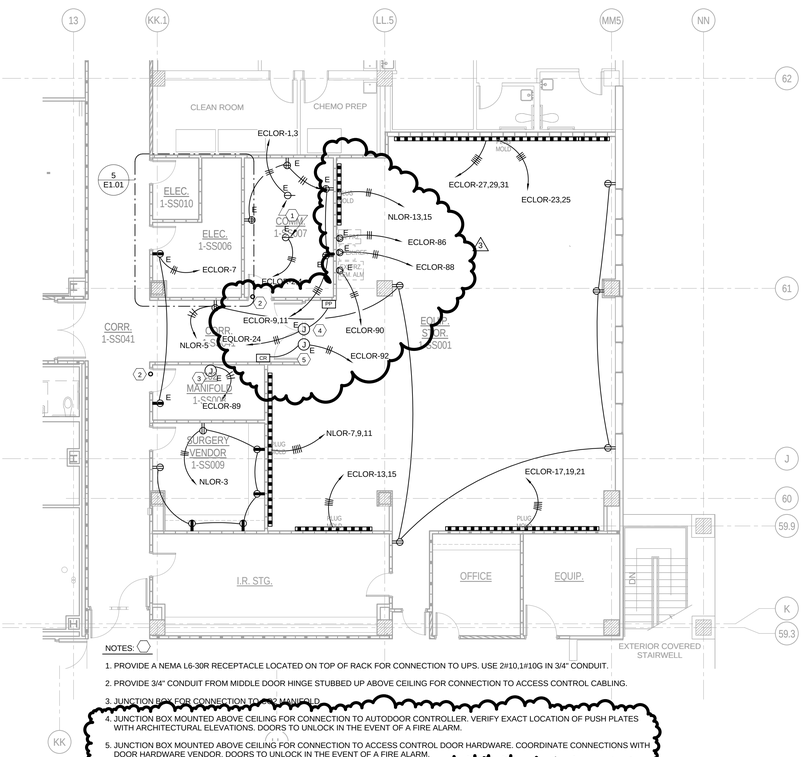
4 SYSTEMS PLAN - PHASE I

SCALE: 1/8" = 1'-0"



5 ENLARGED ELEC. ROOM 1-SS006

SCALE: 1/4" = 1'-0"



NOTES:

1. PROVIDE A NEMA L6-30R RECEPTACLE LOCATED ON TOP OF RACK FOR CONNECTION TO UPS. USE 2#10,1#10G IN 3/4" CONDUIT.
2. PROVIDE 3/4" CONDUIT FROM MIDDLE DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
3. JUNCTION BOX FOR CONNECTION TO C02 MANIFOLD.
4. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
5. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.

3 POWER PLAN - PHASE I

SCALE: 1/8" = 1'-0"

RSN: *1099872*
Permit #: *2016 1083264*

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Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

Drawing Title

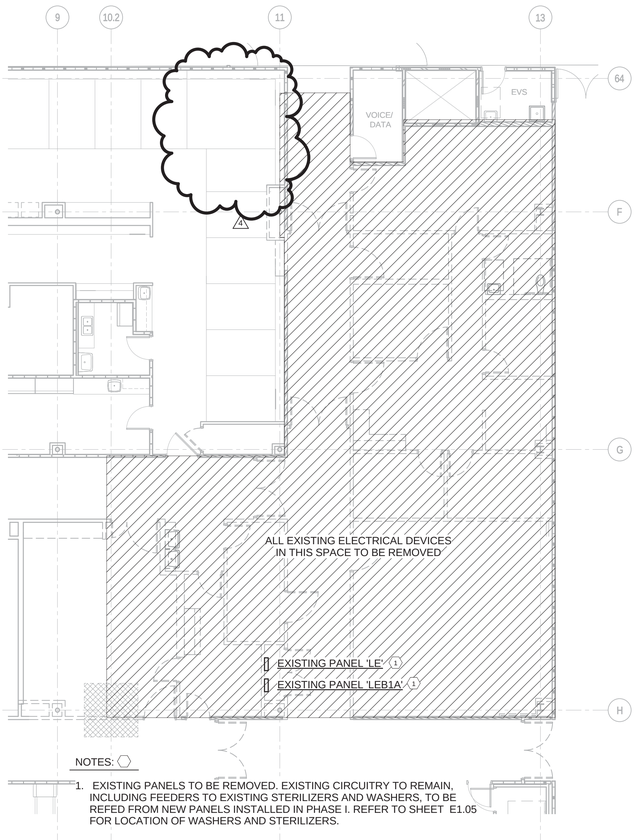
ELECTRICAL PHASE I

Sheet Number

E1.01

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NOTES:

1. EXISTING PANELS TO BE REMOVED. EXISTING CIRCUITRY TO REMAIN, INCLUDING FEEDERS TO EXISTING STERILIZERS AND WASHERS, TO BE REFED FROM NEW PANELS INSTALLED IN PHASE I. REFER TO SHEET E1.05 FOR LOCATION OF WASHERS AND STERILIZERS.

1 ELECTRICAL DEMOLITION PLAN - PHASE II

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

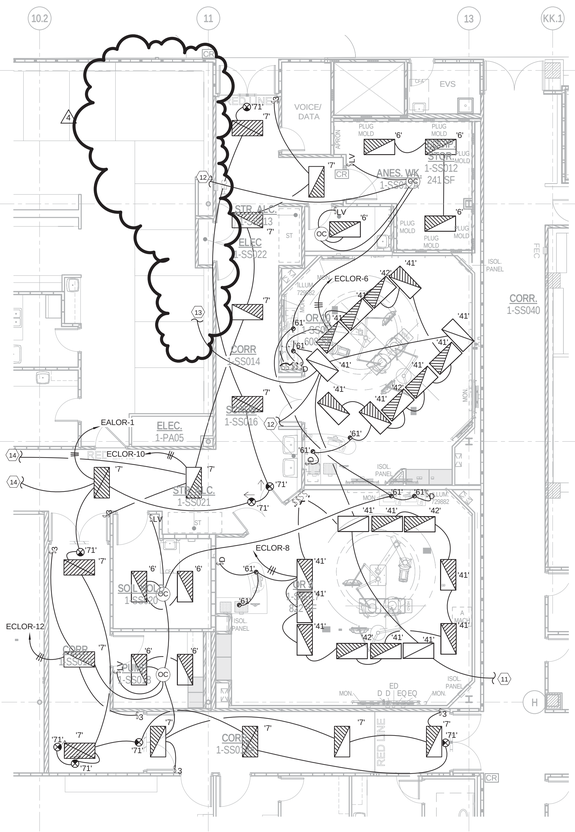
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

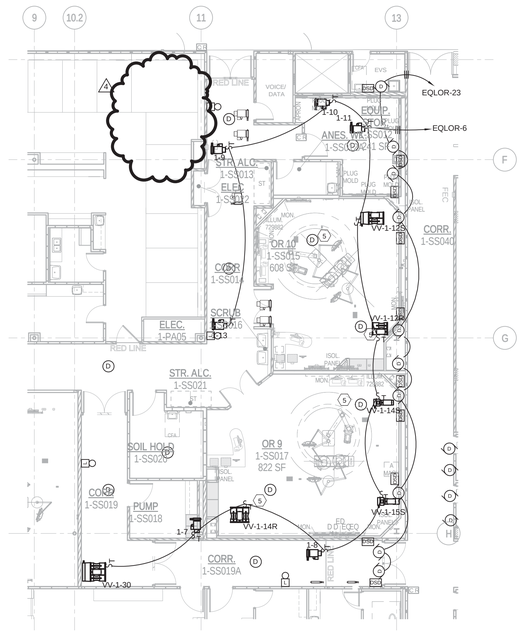
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



2 LIGHTING PLAN - PHASE II

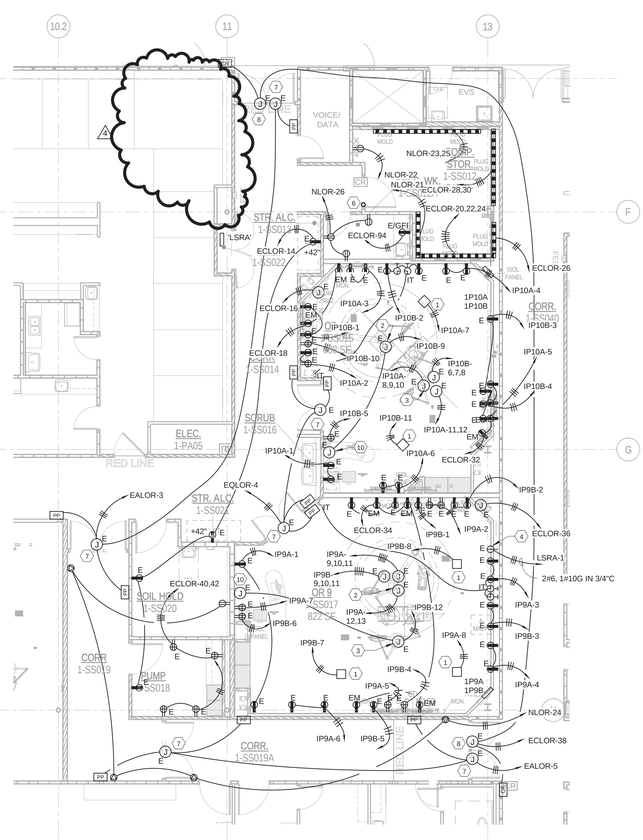
SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



4 SYSTEMS PLAN - PHASE II

SCALE: 3/32" = 1'-0"



NOTES:

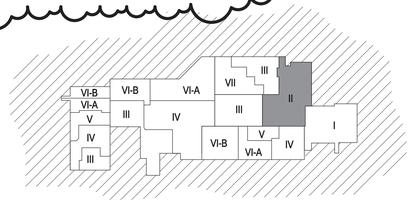
1. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ANESTHESIA BOOM.
3. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT BOOM.
4. PROVIDE A NEMA L6-50R RECEPTACLE IN A REMOTE RECEPTACLE POWER MODULE WITH CONTROLS AND REMOTE INDICATOR FOR CONNECTION TO LASER.
5. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
6. PROVIDE 3/4" CONDUIT FROM MIDDLE DOOR HINGE STUBBED UP ABOVE CEILING FOR ACCESS CONTROL CABLING.
7. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
8. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE FINAL CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
9. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.
10. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
11. REFER TO PHASE I FOR CONTINUATION OF CIRCUITRY, SHEET E1.01
12. REFER TO PHASE III FOR CONTINUATION OF CIRCUITRY, SHEET E1.03. CONNECT TO NORMAL BRANCH LIGHTING CIRCUIT IN O.R. 8.
13. REFER TO PHASE III FOR CONTINUATION OF CIRCUITRY, SHEET E1.03. CONNECT TO NORMAL BRANCH LIGHTING CIRCUIT IN 1-PA03.
14. REFER TO PHASE VII FOR CONTINUATION OF CIRCUITRY, SHEET E1.07A.

3 POWER PLAN - PHASE II

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



WORKING AREA - PHASED KEY PLAN

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ICT Project No. 140316

Seals

PE-46154 3/15/16 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES	
Description	Date
Revision 3	05/12/15
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

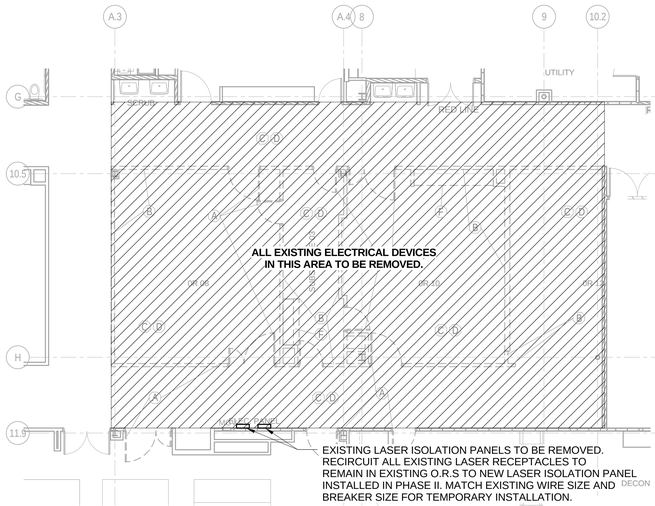
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ELECTRICAL PHASE II

Sheet Number

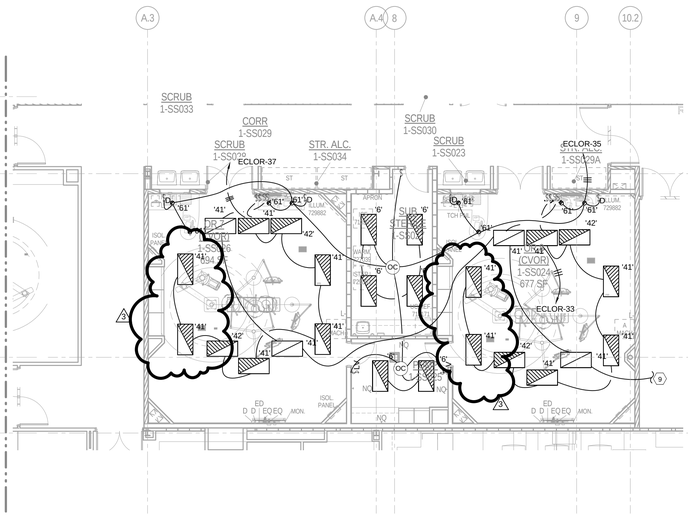
E1.02

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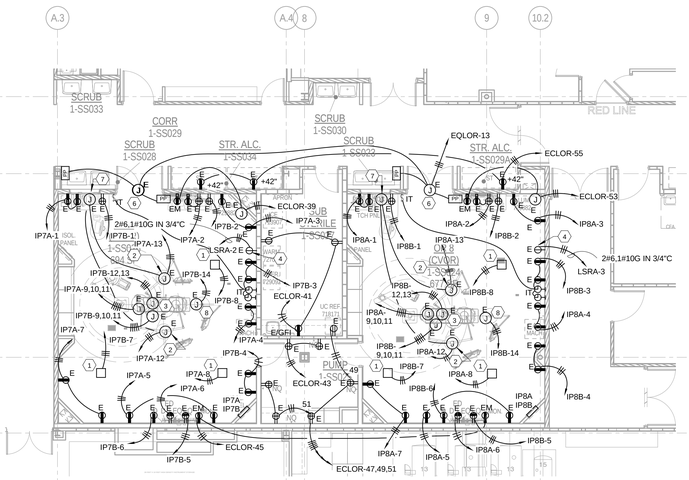
1 ELECTRICAL.DEMOLITION PLAN - PHASE III

SCALE: 1/8" = 1'-0"



2 LIGHTING PLAN - PHASE III

SCALE: 1/8" = 1'-0"



3 POWER PLAN - PHASE III

SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

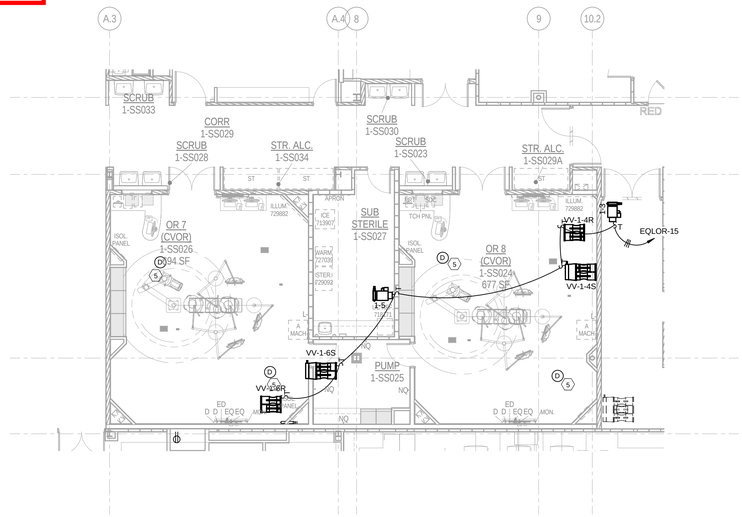
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



4 SYSTEMS PLAN - PHASE III

SCALE: 1/8" = 1'-0"

NOTES:

1. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ANESTHESIA BOOM.
3. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT BOOM.
4. PROVIDE A NEMA L6-50R RECEPTACLE IN A REMOTE RECEPTACLE POWER MODULE WITH CONTROLS AND REMOTE INDICATOR FOR CONNECTION TO LASER.
5. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
6. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
7. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
8. JUNCTION BOX FOR CONNECTION TO FLAT PANEL BOOM.
9. REFER TO SHEET E1.02 FOR CONTINUATION OF CIRCUITRY.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

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COLORADO REGISTERED PE 46154 5/12/15 PROFESSIONAL ENGINEER

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Issue Description	CONSTRUCTION DOCUMENTS
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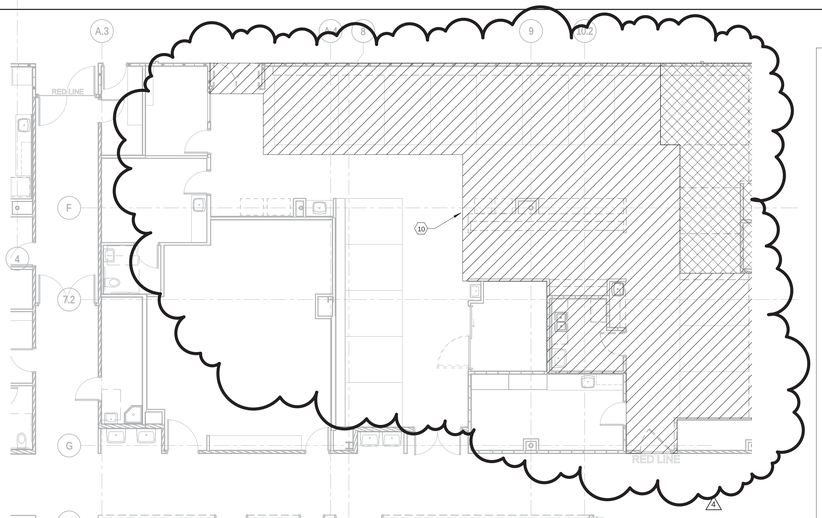
Drawing Title

ELECTRICAL PHASE III

Sheet Number

E1.03

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ELECTRICAL DEMOLITION PLAN - PHASE III- PACU & OR'S

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

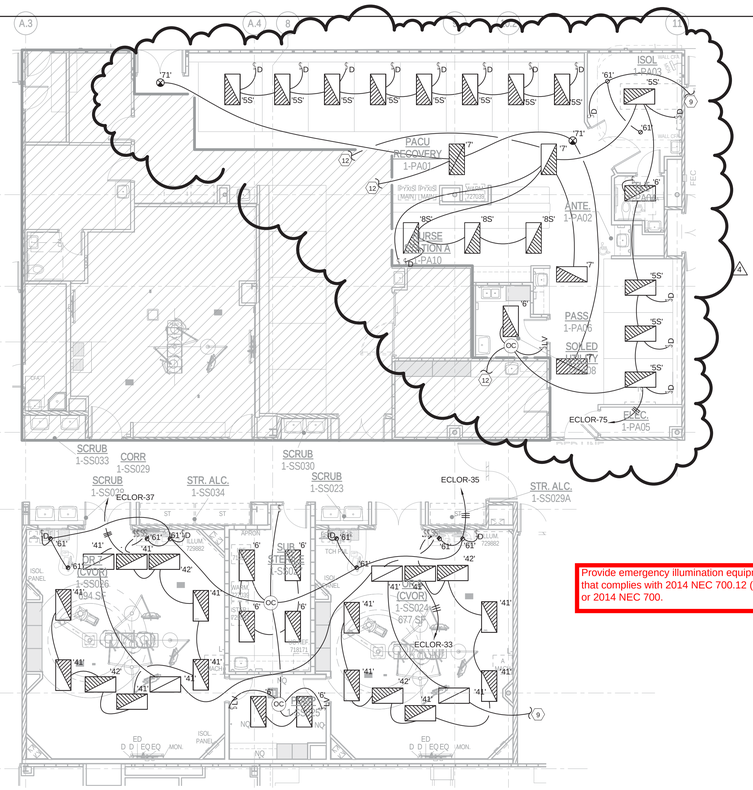
G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

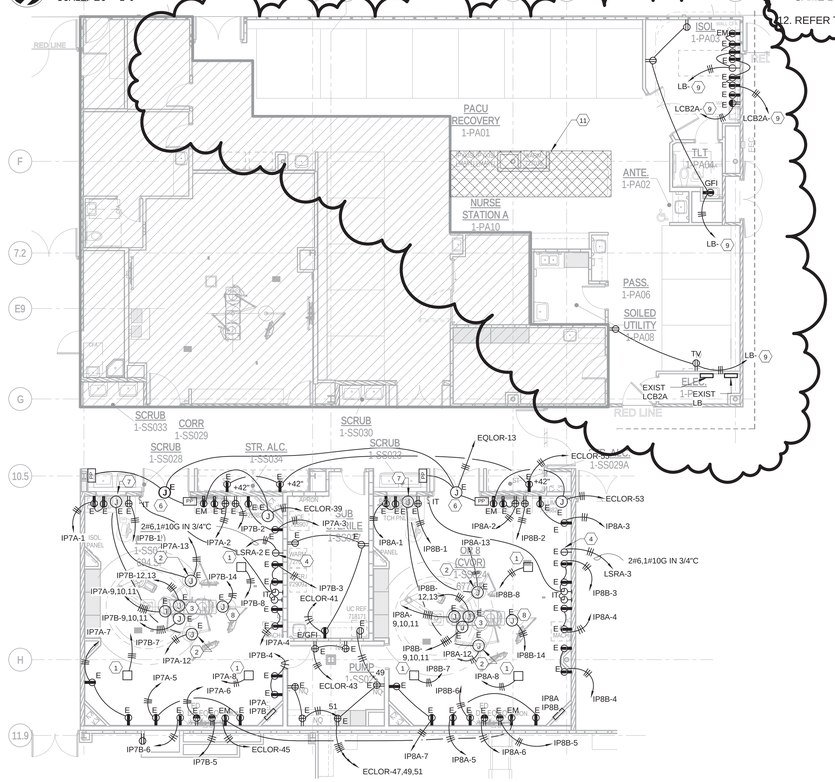
NOTES:

1. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ANESTHESIA BOOM.
3. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT BOOM.
4. PROVIDE A NEMA L6-50R RECEPTACLE IN A REMOTE RECEPTACLE POWER MODULE WITH CONTROLS AND REMOTE INDICATOR FOR CONNECTION TO LASER.
5. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
6. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
7. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
8. JUNCTION BOX FOR CONNECTION TO FLAT PANEL BOOM.
9. REFER TO SHEET E1.08 FOR CONTINUATION OF CIRCUITRY.
10. ALL LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED. ALL WALL MOUNTED ELECTRICAL DEVICES ARE TO REMAIN.
11. EXISTING RECEPTACLES MOUNTED IN EXISTING CASEWORK BEING REPLACED TO BE LOCATED IN SAME LOCATION IN NEW CASEWORK. RECONNECT TO EXISTING CIRCUITRY.
12. REFER TO SHEET E1.07A FOR CONTINUATION OF CIRCUITRY.



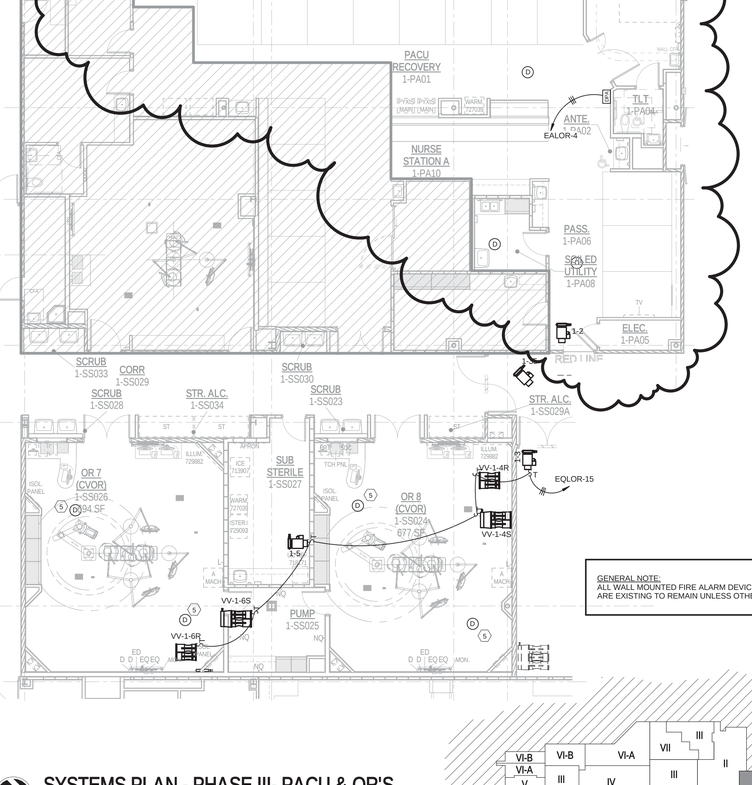
LIGHTING PLAN - PHASE III- PACU & OR'S

SCALE: 1/8" = 1'-0"



POWER PLAN - PHASE III- PACU & OR'S

SCALE: 1/8" = 1'-0"



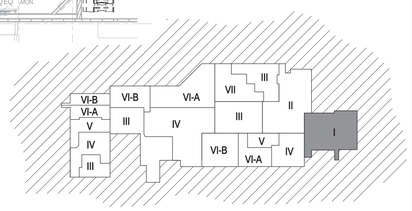
GENERAL NOTE:
ALL WALL MOUNTED FIRE ALARM DEVICES IN THIS PHASE ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

SYSTEMS PLAN - PHASE III- PACU & OR'S

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



WORKING AREA - PHASED KEY PLAN

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

ELECTRICAL PHASE III- PACU & OR'S

Sheet Number

E1.03

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DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

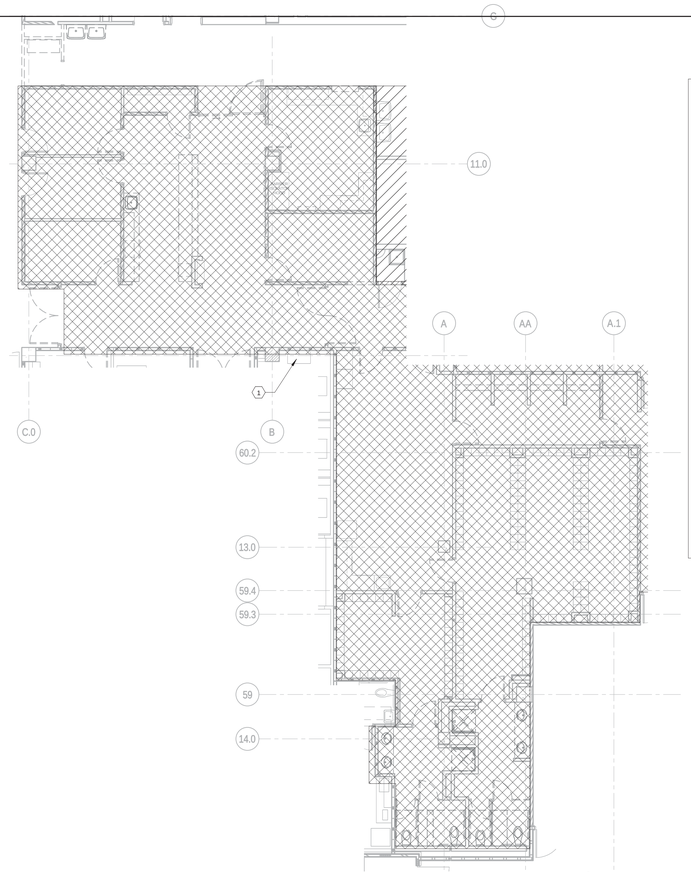
G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

NOTES:

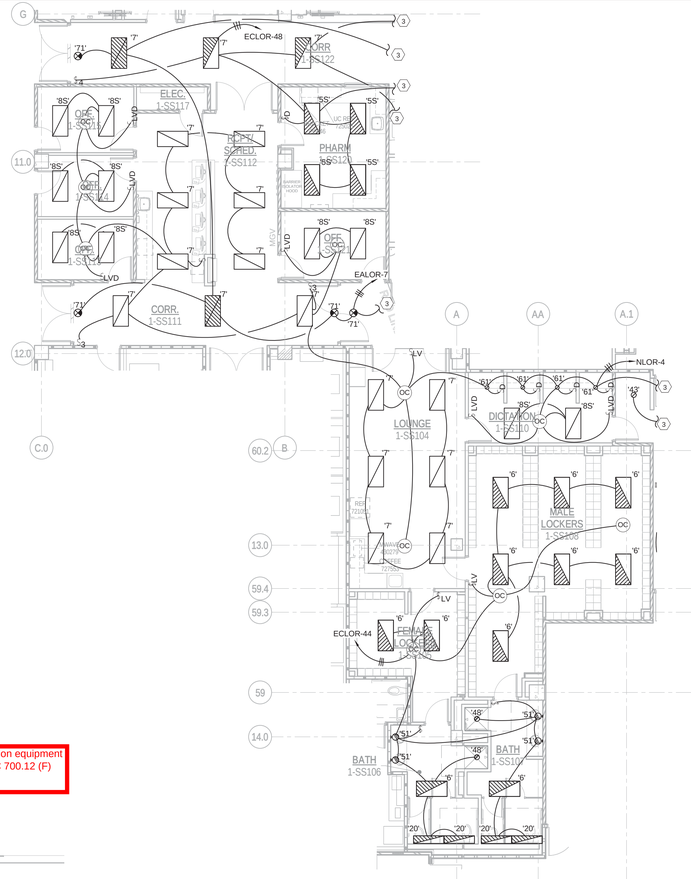
1. ALL EXISTING LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED.



ELECTRICAL DEMOLITION PLAN - PHASE III-B LOCKERS/O.R. CONTROL

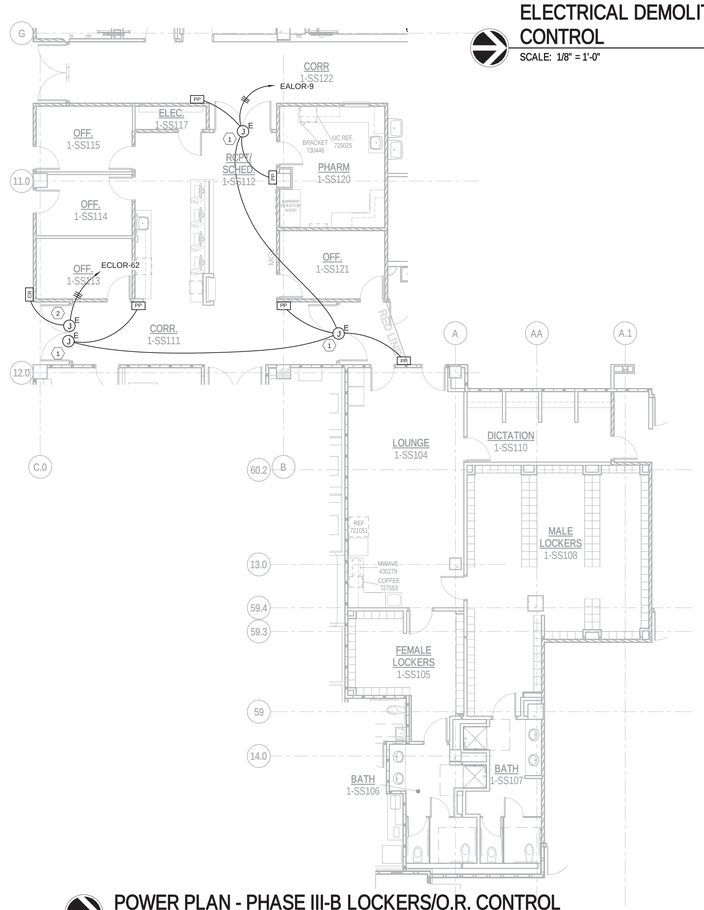
SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



LIGHTING PLAN - PHASE III-B LOCKERS/O.R. CONTROL

SCALE: 1/8" = 1'-0"



POWER PLAN - PHASE III-B LOCKERS/O.R. CONTROL

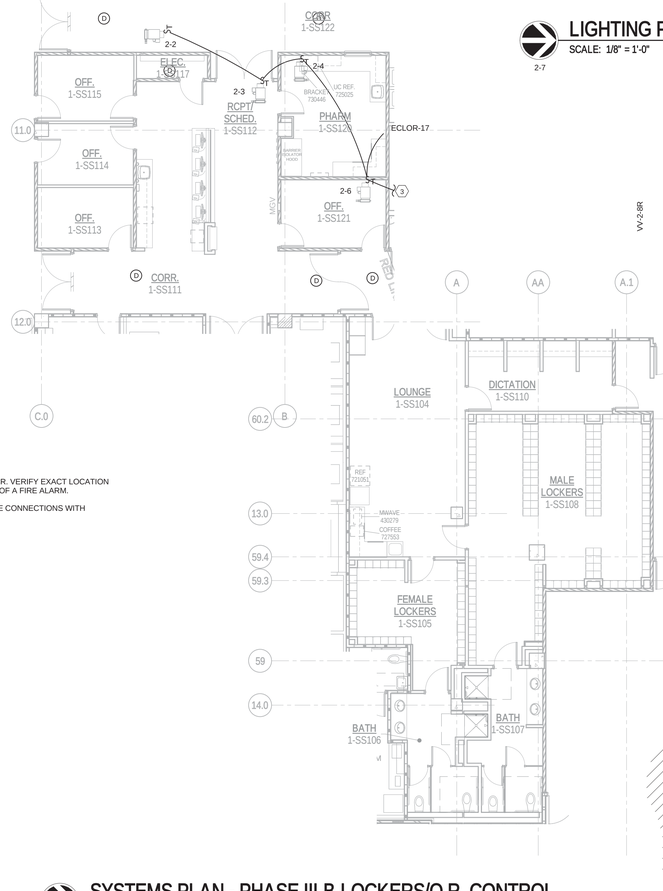
SCALE: 1/8" = 1'-0"

NOTES:

1. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.

2. JUNCTION BOX FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.

3. REFER TO SHEET E1.04 FOR CONTINUATION OF CIRCUITRY.



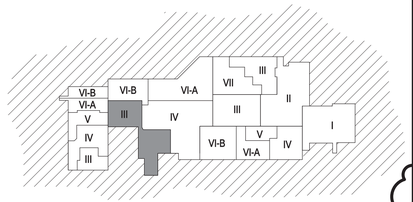
SYSTEMS PLAN - PHASE III-B LOCKERS/O.R. CONTROL

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

GENERAL NOTE:
ALL WALL MOUNTED FIRE ALARM DEVICES IN THIS PHASE ARE EXISTING TO REMAIN.



WORKING AREA - PHASED KEY PLAN

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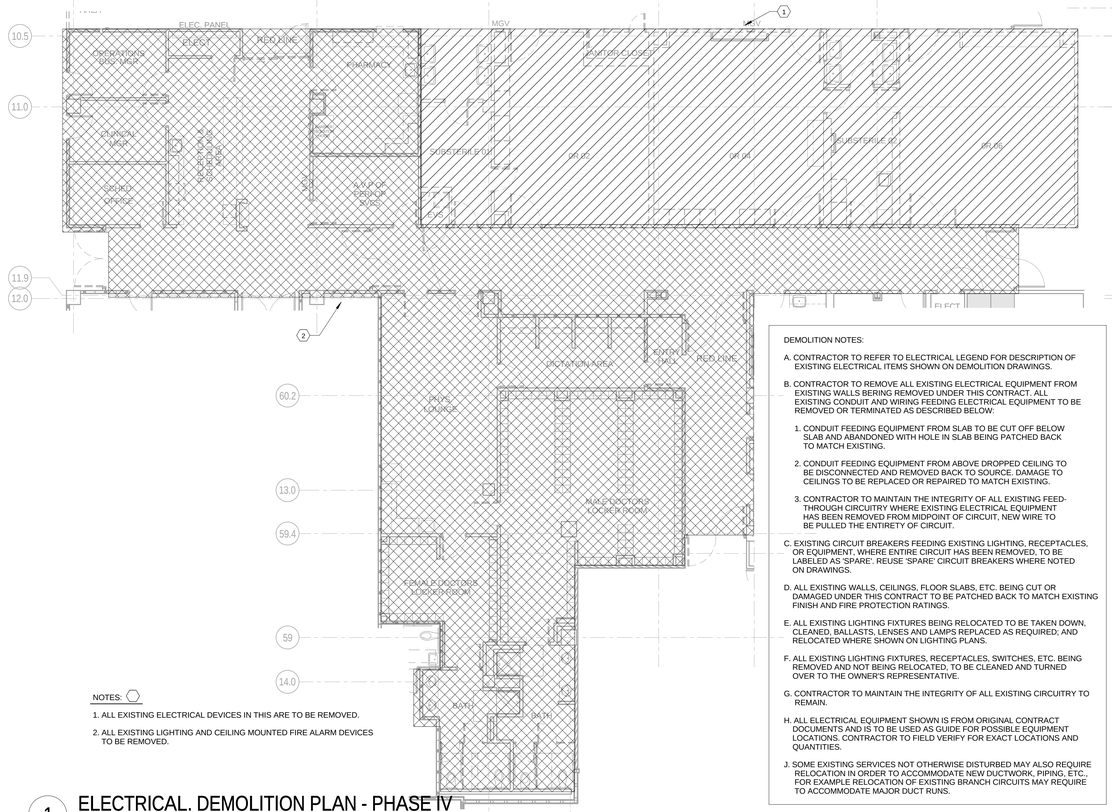
ELECTRICAL PHASE III-B LOCKERS/O.R. CONTROL

Sheet Number

E1.03.1

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NOTES:

1. ALL EXISTING ELECTRICAL DEVICES IN THIS ARE TO BE REMOVED.
2. ALL EXISTING LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED.

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

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2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED, AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

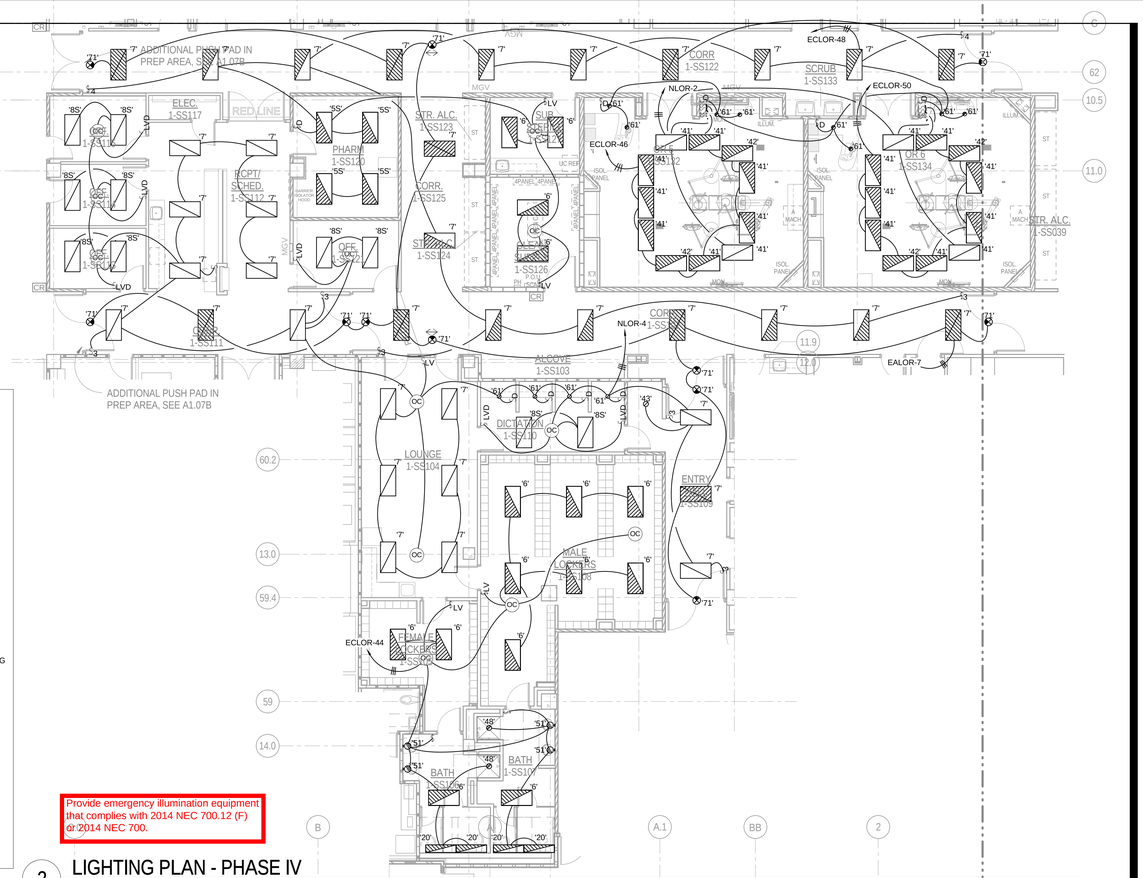
G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

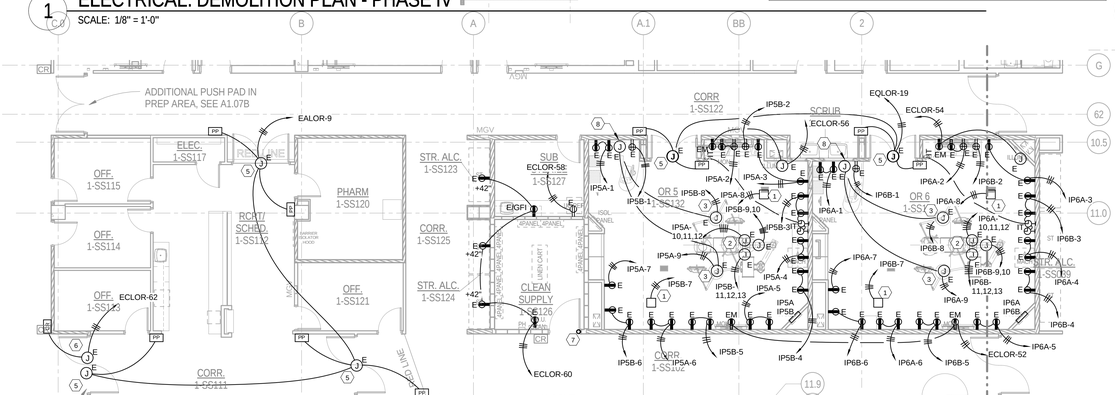
1 ELECTRICAL. DEMOLITION PLAN - PHASE IV

SCALE: 1/8" = 1'-0"



2 LIGHTING PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

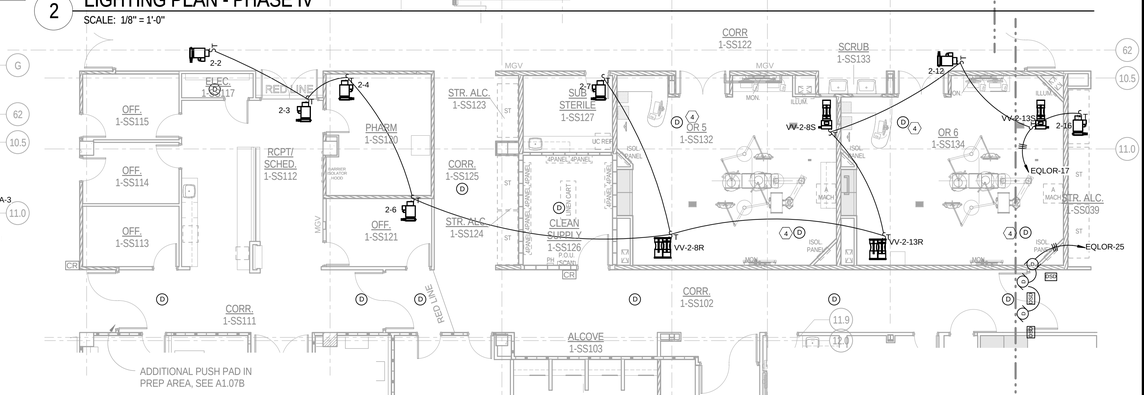


NOTES:

1. PROVIDE HOSPITAL GRADE CHEMETRON #82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO EQUIPMENT BOOM.
3. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
6. JUNCTION BOX FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
7. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
8. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.

3 POWER PLAN - PHASE IV

SCALE: 1/8" = 1'-0"



GENERAL NOTE:
ALL WALL MOUNTED FIRE ALARM DEVICES IN THIS PHASE ARE EXISTING TO REMAIN.

4 SYSTEMS PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
Permit #: 2016 1083264

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By CM	Checked By KLW

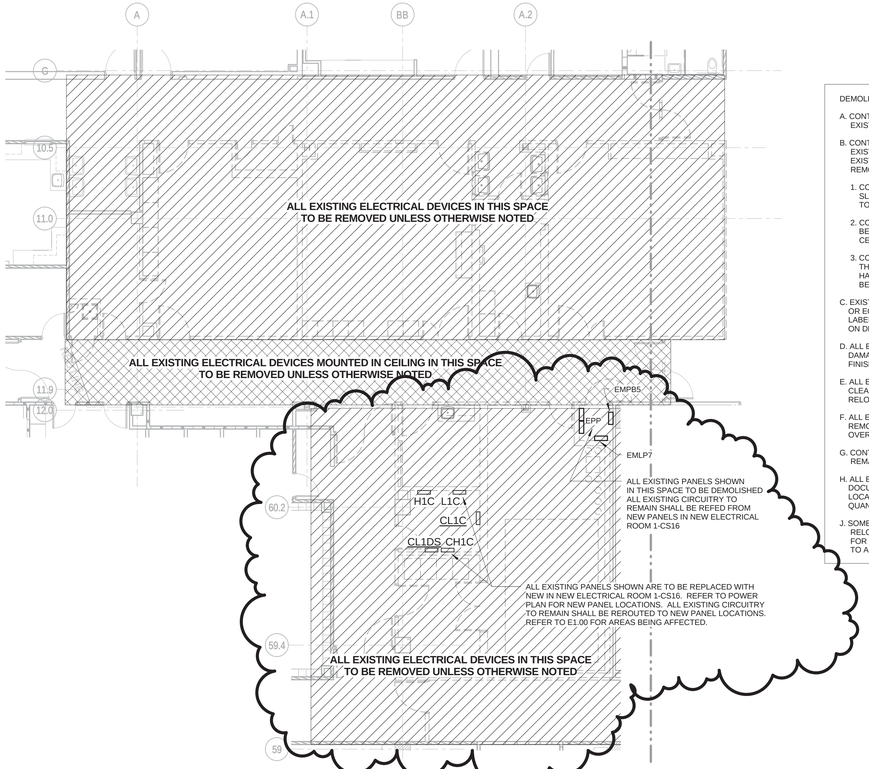
Drawing Title

ELECTRICAL PHASE IV

Sheet Number

E1.04

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12/30/2014 11:25:33 AM



ELECTRICAL DEMOLITION PLAN - PHASE IV - OR

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

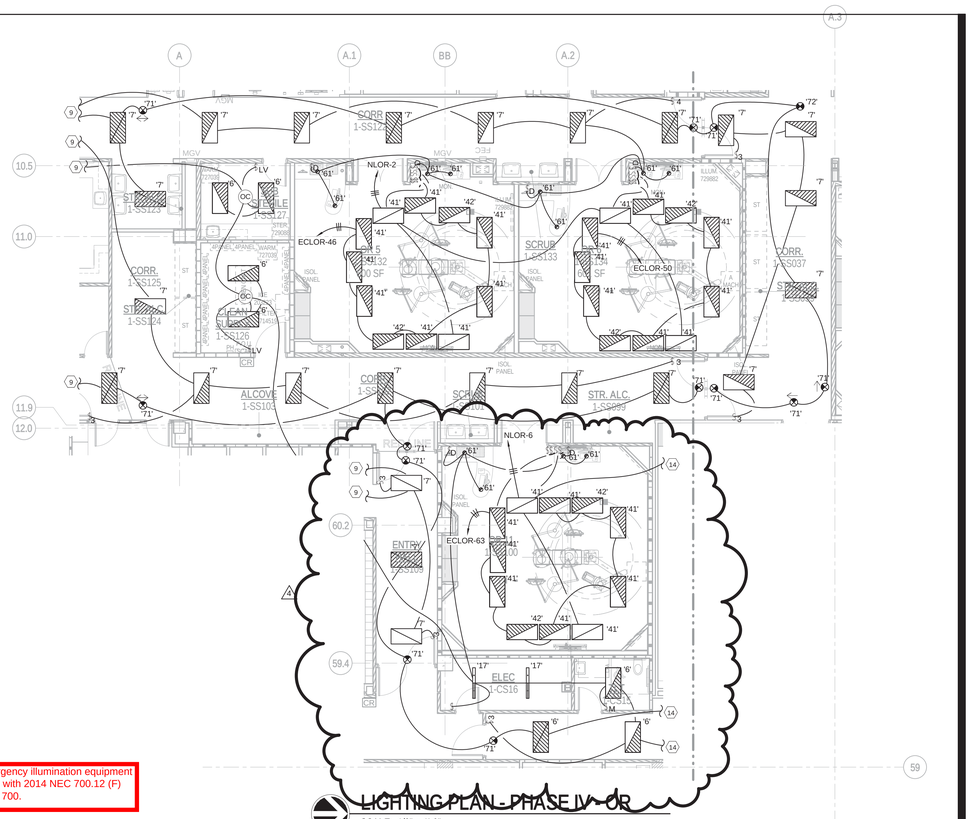
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

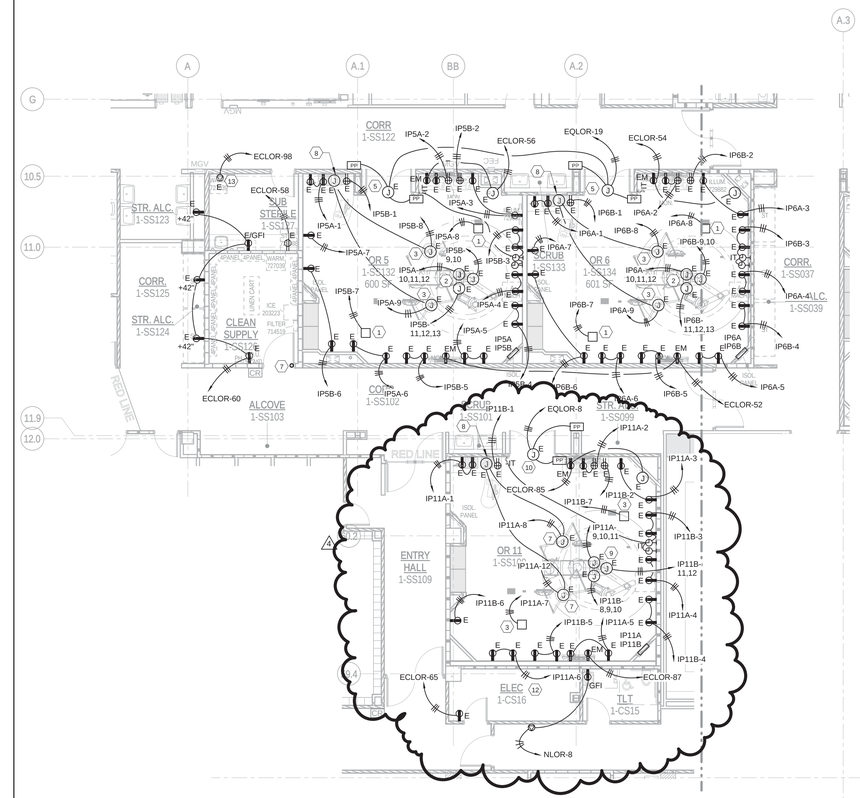
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



LIGHTING PLAN - PHASE IV - OR

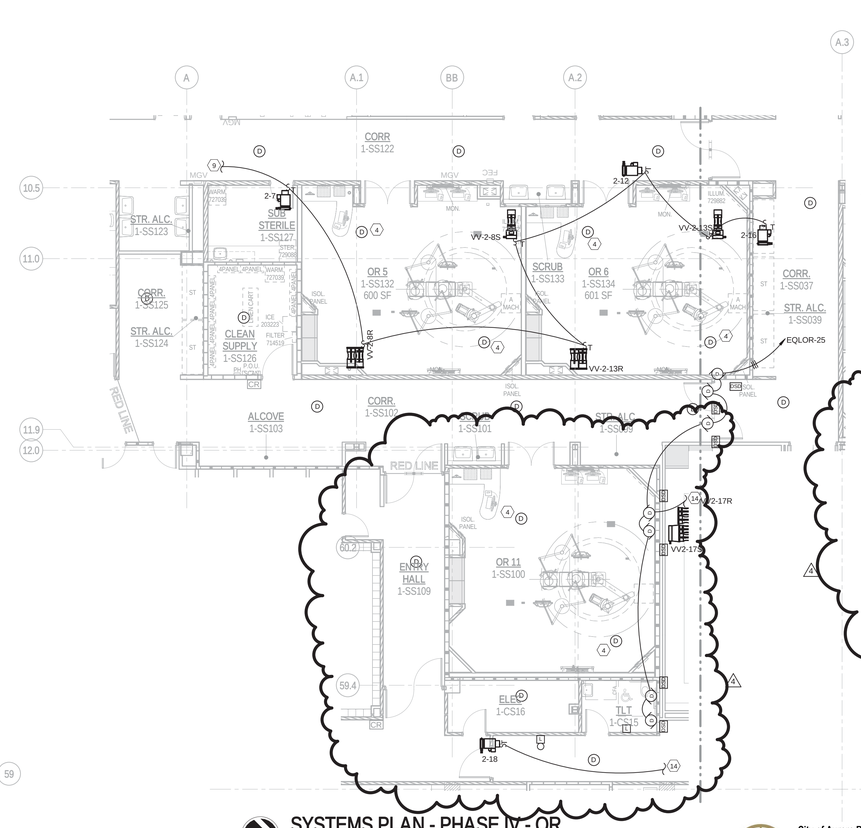
SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



POWER PLAN - PHASE IV - OR

SCALE: 1/8" = 1'-0"

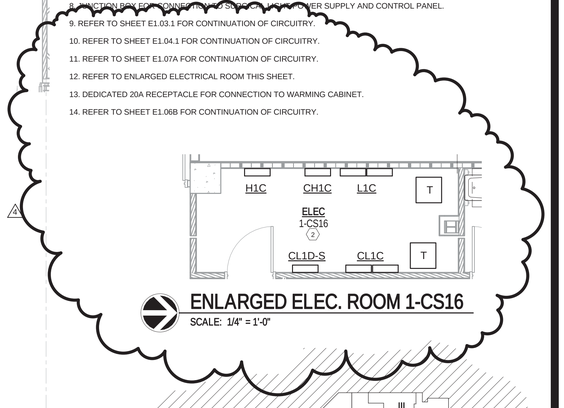


SYSTEMS PLAN - PHASE IV - OR

SCALE: 1/8" = 1'-0"

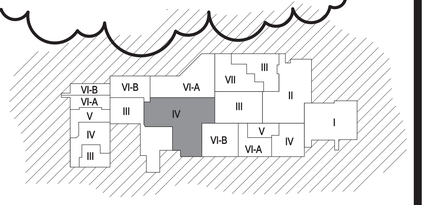
NOTES:

1. PROVIDE HOSPITAL GRADE CHEMETRON #82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO EQUIPMENT BOOM.
3. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
6. JUNCTION BOX FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
7. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
8. JUNCTION BOX FOR CONNECTION TO ACCESS CONTROL DOOR POWER SUPPLY AND CONTROL PANEL.
9. REFER TO SHEET E1.03.1 FOR CONTINUATION OF CIRCUITRY.
10. REFER TO SHEET E1.04.1 FOR CONTINUATION OF CIRCUITRY.
11. REFER TO SHEET E1.07A FOR CONTINUATION OF CIRCUITRY.
12. REFER TO ENLARGED ELECTRICAL ROOM THIS SHEET.
13. DEDICATED 20A RECEPTACLE FOR CONNECTION TO WARMING CABINET.
14. REFER TO SHEET E1.06B FOR CONTINUATION OF CIRCUITRY.



ENLARGED ELEC. ROOM 1-CS16

SCALE: 1/4" = 1'-0"



WORKING AREA - PHASED KEY PLAN

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

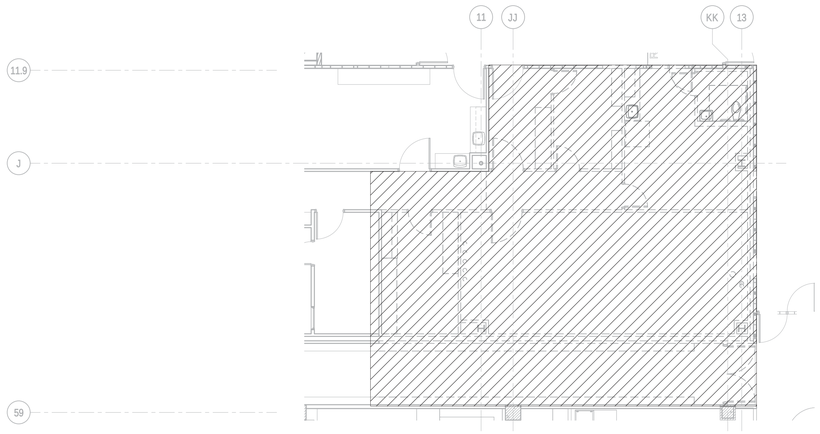
Drawing Title

ELECTRICAL PLAN - PHASE IV - OR

Sheet Number

E1.04

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ELECTRICAL DEMOLITION PLAN - PHASE IV - SPD

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

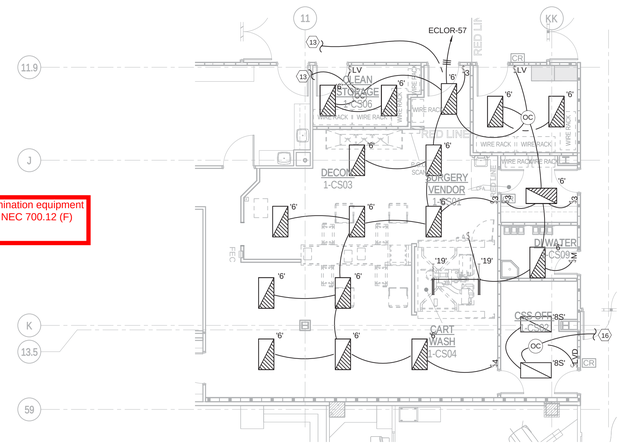
G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

NOTES:

1. EXISTING WASHER DISCONNECTS TO BE REFED FROM NEW PANEL EQHS IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V.
2. EXISTING STERILIZERS TO BE REFED FROM NEW PANEL EQLOR IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V. PROVIDE A 20A/1P CIRCUIT BREAKER IN PANEL EQLOR TO FEED STERILIZER TEMPORARILY.
3. PROVIDE A 40A/3P CIRCUIT BREAKER IN EQHS TO FEED WASHER TEMPORARILY.



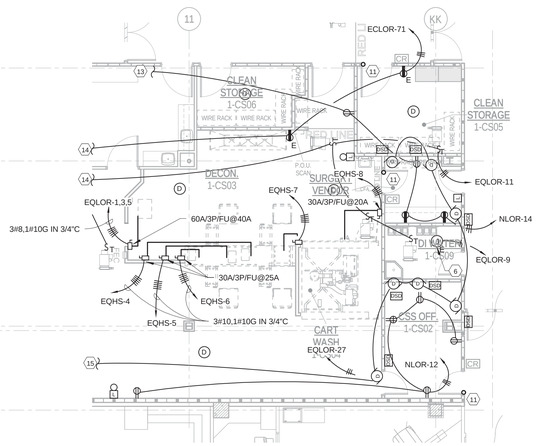
Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

LIGHTING PLAN - PHASE IV - SPD

SCALE: 1/8" = 1'-0"

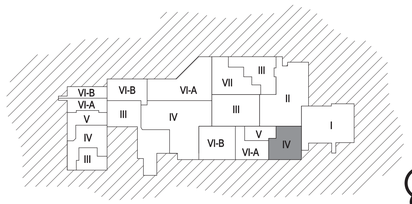
NOTES:

1. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO POWER POLE. PROVIDE A POWER POLE SIMILAR TO A HUBBELL SP10001BBBBXXCG. VERIFY EXACT LENGTH NECESSARY.
2. ALL PANELS SHOWN ARE REPLACING EXISTING PANELS BEING REMOVED. REROUTE ALL EXISTING CIRCUITRY TO REMAIN TO NEW PANEL LOCATIONS.
3. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. JUNCTION BOX FOR CONNECTION TO STERILIZER CONTROLS.
6. JUNCTION BOX FOR CONNECTION TO WATER TREATMENT SYSTEM.
7. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT.
8. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
9. JUNCTION BOX FOR CONNECTION TO EQUIPMENT BOOM.
10. JUNCTION BOX FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
11. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
12. REFER TO SHEET E1.04 FOR CONTINUATION OF CIRCUITRY.
13. REFER TO SHEET E1.05 FOR CONTINUATION OF CIRCUITRY.
14. REFER TO SHEET E1.06A FOR CONTINUATION OF CIRCUITRY.
15. REFER TO SHEET E1.06B FOR CONTINUATION OF CIRCUITRY.
16. REFER TO SHEET E1.01 FOR CONTINUATION OF CIRCUITRY.



POWER & SYSTEMS PLAN - PHASE IV - SPD

SCALE: 1/8" = 1'-0"



WORKING AREA - PHASED KEY PLAN

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
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THE MEDICAL CENTER OF AURORA RENOVATIONS

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DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

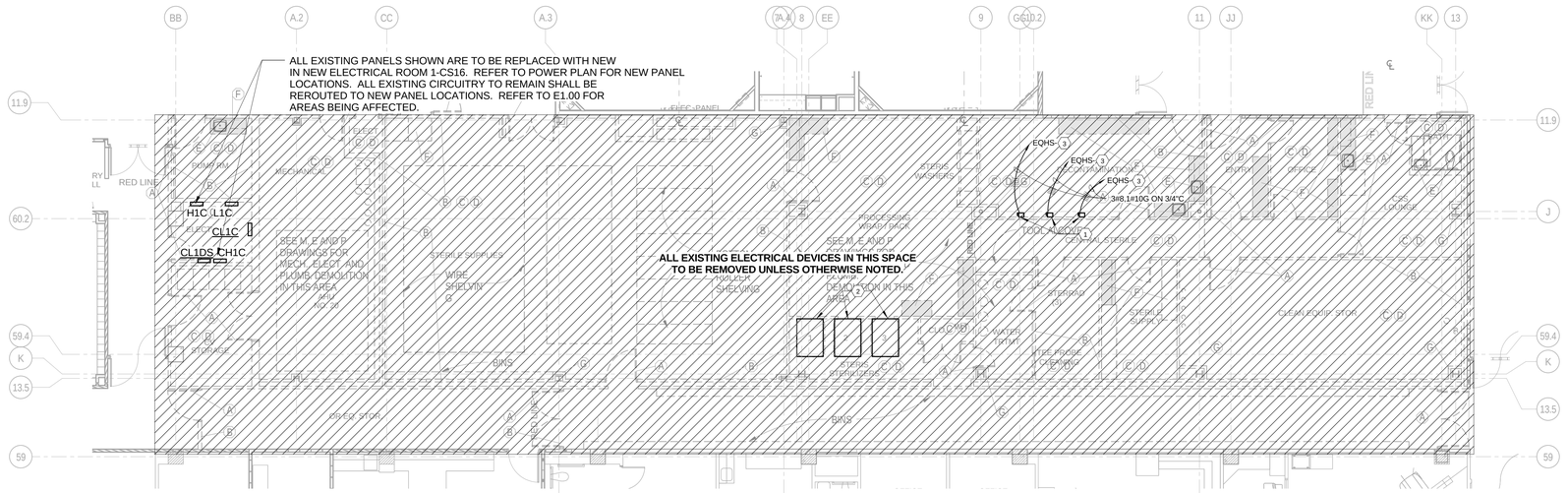
Drawing Title

ELECTRICAL PHASE IV - SPD

Sheet Number

E1.04.1

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1 ELECTRICAL.DEMOLITION PLAN - PHASE V

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BEING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

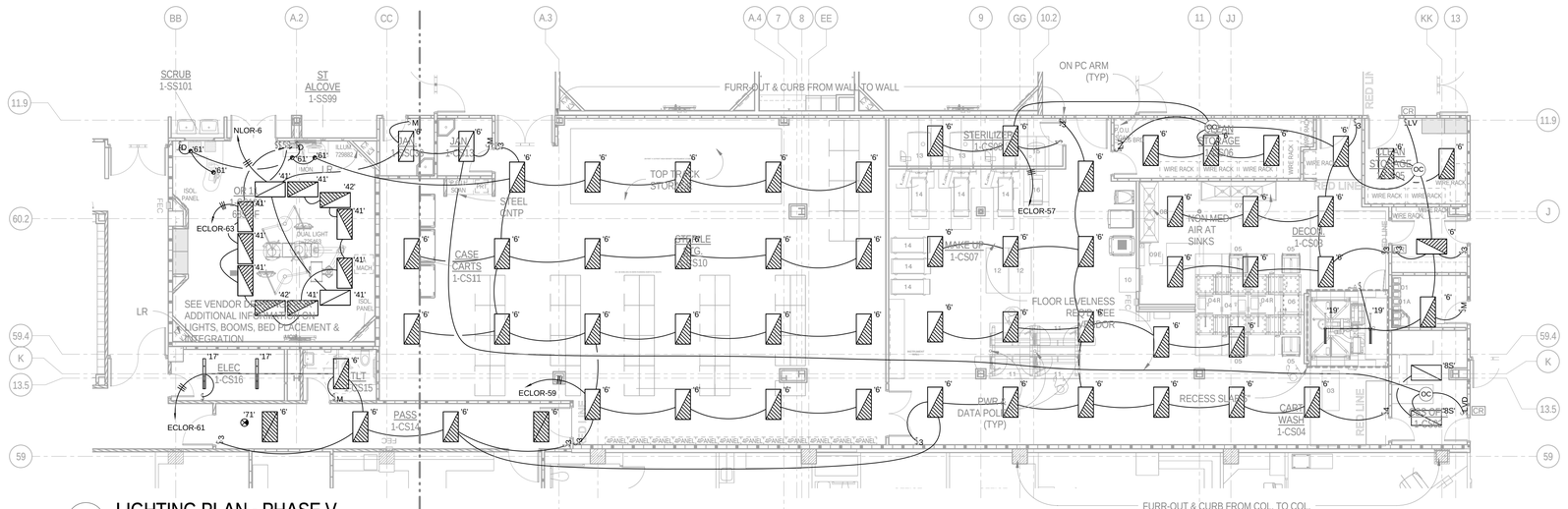
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



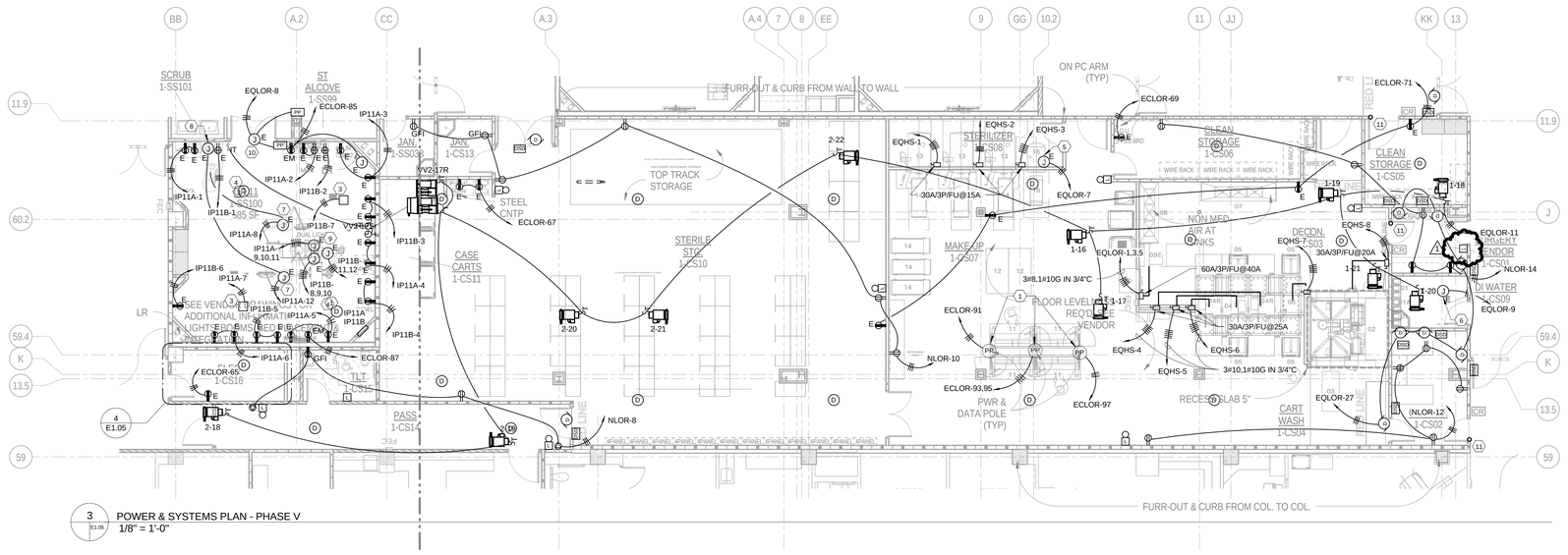
2 LIGHTING PLAN - PHASE V

SCALE: 1/8" = 1'-0"

NOTES:

1. EXISTING WASHER DISCONNECTS TO BE REFED FROM NEW PANEL EQHS IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V.
2. EXISTING STERILIZERS TO BE REFED FROM NEW PANEL EQLOR IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V. PROVIDE A 20A/1P CIRCUIT BREAKER IN PANEL EQLOR TO FEED STERILIZER TEMPORARILY.
3. PROVIDE A 40A/3P CIRCUIT BREAKER IN EQHS TO FEED WASHER TEMPORARILY.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



3 POWER & SYSTEMS PLAN - PHASE V

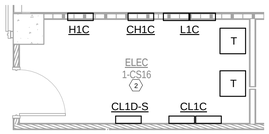
1/8" = 1'-0"

NOTES:

1. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO POWER POLE. PROVIDE A POWER POLE SIMILAR TO A HUBBELL SP100011BBBBXXCG. VERIFY EXACT LENGTH NECESSARY.
2. ALL PANELS SHOWN ARE REPLACING EXISTING PANELS BEING REMOVED. REROUTE ALL EXISTING CIRCUITRY TO REMAIN TO NEW PANEL LOCATIONS.
3. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. JUNCTION BOX FOR CONNECTION TO STERILIZER CONTROLS.
6. JUNCTION BOX FOR CONNECTION TO WATER TREATMENT SYSTEM.
7. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT.
8. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
9. JUNCTION BOX FOR CONNECTION TO EQUIPMENT BOOM.
10. JUNCTION BOX FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
11. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



4 ENLARGED ELEC. ROOM 1-CS16

SCALE: 1/4" = 1'-0"

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ICT Project No. 140316

Seals

COLORADO REGISTERED PE-46154 2/3/15 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

ELECTRICAL PHASE V

Sheet Number

E1.05

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DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

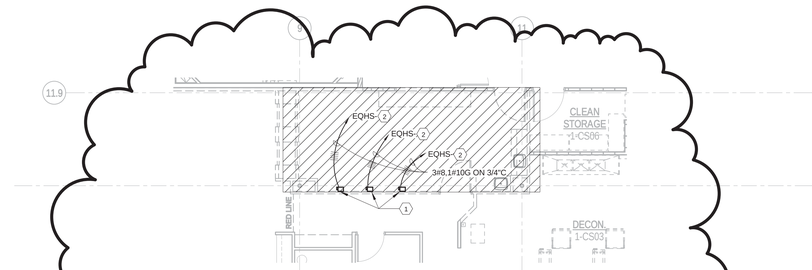
F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



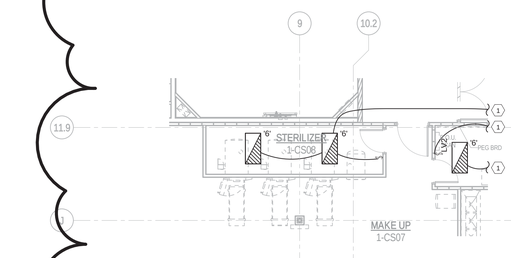
ELECTRICAL DEMOLITION PLAN - PHASE V - SPD

SCALE: 1/8" = 1'-0"

NOTES:

1. EXISTING WASHER DISCONNECTS TO BE REFED FROM NEW PANEL EQHS IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V.

2. PROVIDE A 40A/3P CIRCUIT BREAKER IN EQHS TO FEED WASHER TEMPORARILY.



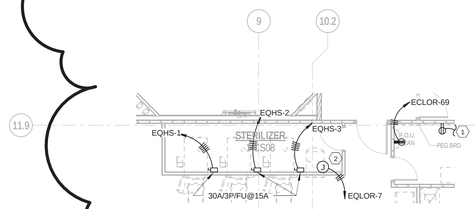
LIGHTING PLAN - PHASE V - SPD

SCALE: 1/8" = 1'-0"

NOTES:

1. REFER TO SHEET E1.04.1 FOR CONTINUATION OF CIRCUITRY.

2. JUNCTION BOX FOR CONNECTION TO STERILIZER CONTROLS.

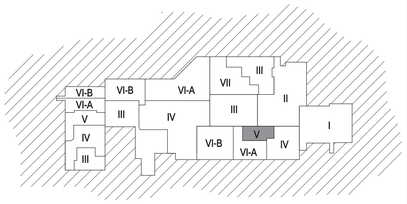


SYSTEMS PLAN - PHASE V - SPD

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



WORKING AREA - PHASED KEY PLAN

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

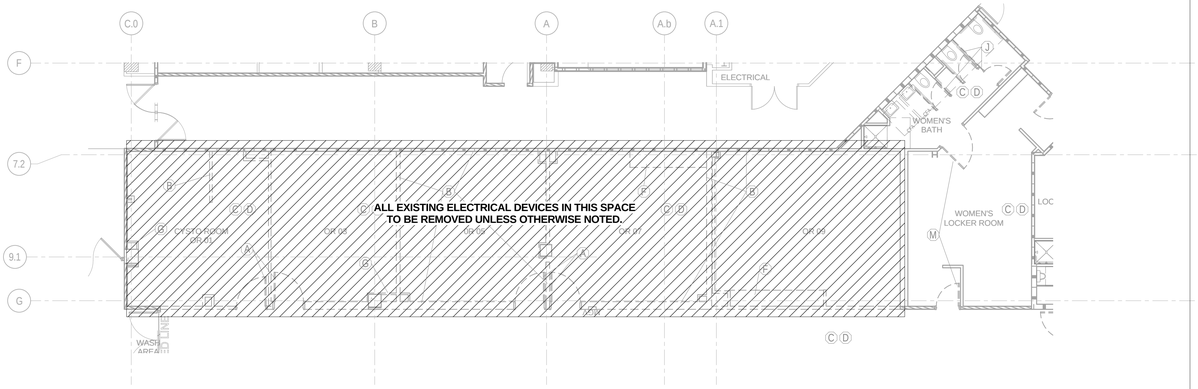
Drawing Title

ELECTRICAL PLAN - PHASE V - SPD

Sheet Number

E1.05

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1 ELECTRICAL.DEMOLITION PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

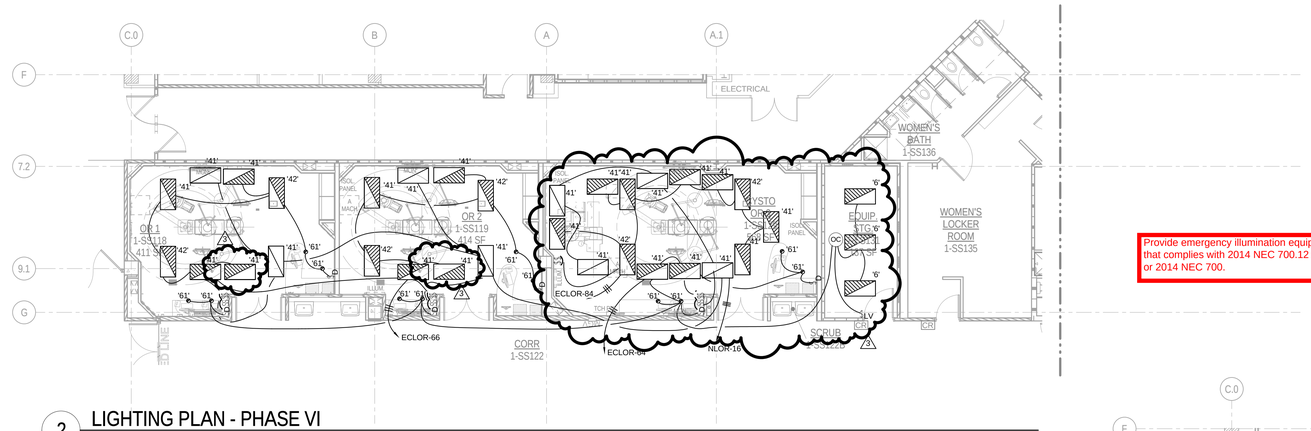
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

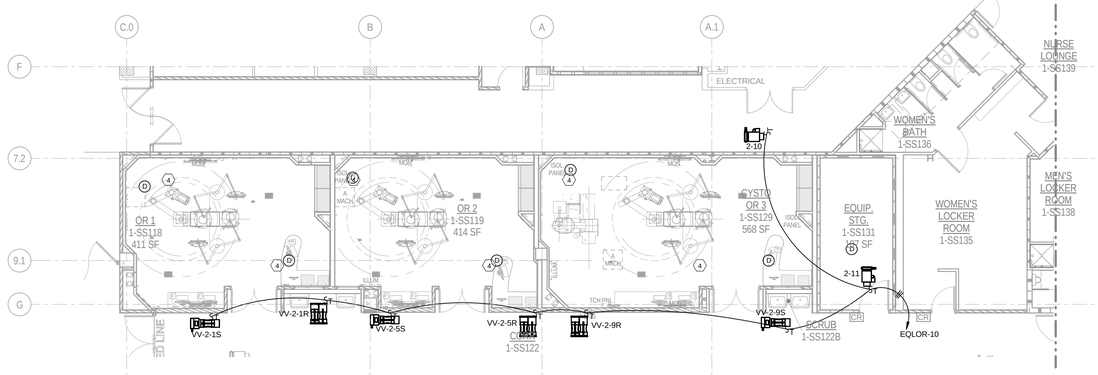
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

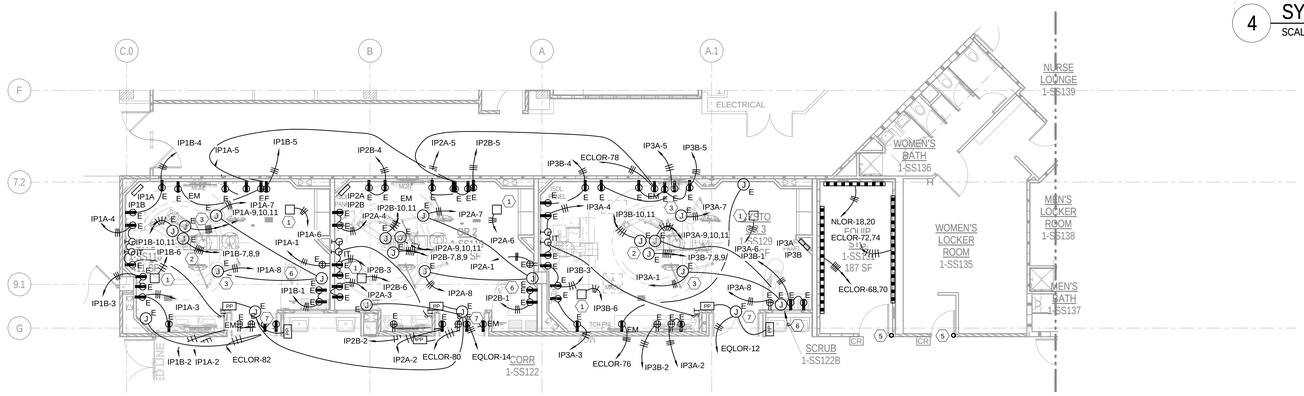
2 LIGHTING PLAN - PHASE VI

SCALE: 1/8" = 1'-0"



4 SYSTEMS PLAN - PHASE VI

SCALE: 1/8" = 1'-0"



NOTES:

1. PROVIDE HOSPITAL GRADE CHEMETRON #82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO EQUIPMENT BOOM.
3. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
6. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
7. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF FIRE ALARM.
8. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF FIRE ALARM.

3 POWER PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

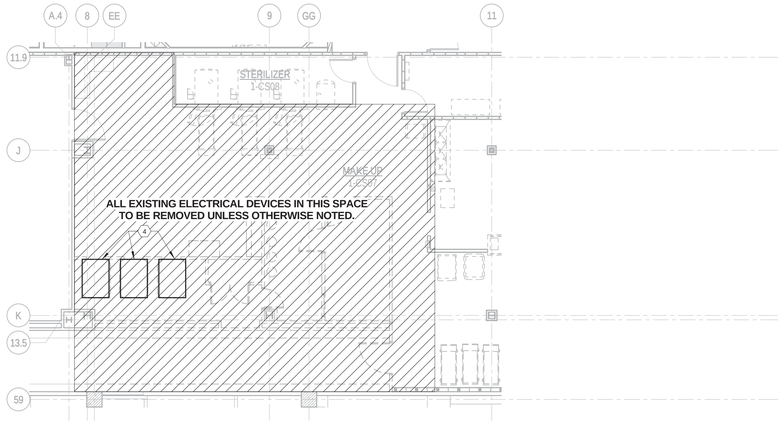
ELECTRICAL PHASE VI

Sheet Number

E1.06

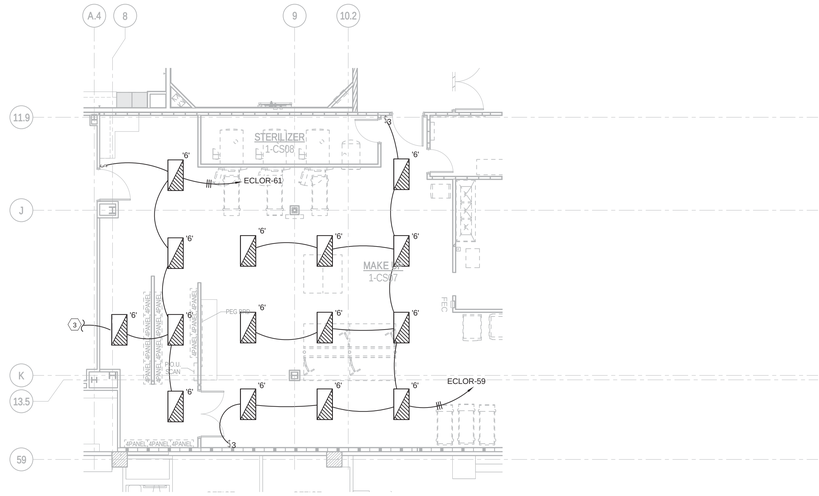
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ELECTRICAL DEMOLITION PLAN - PHASE VI-A - SPD

SCALE: 1/8" = 1'-0"



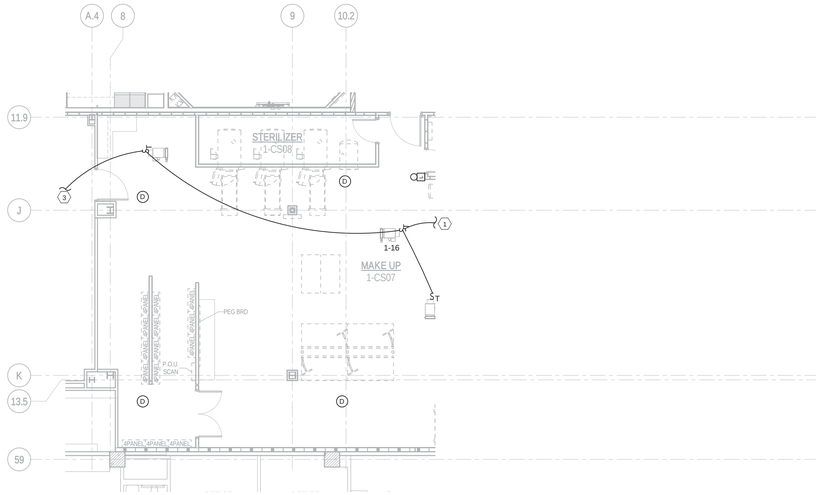
LIGHTING PLAN - PHASE V1-A- SPD

SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

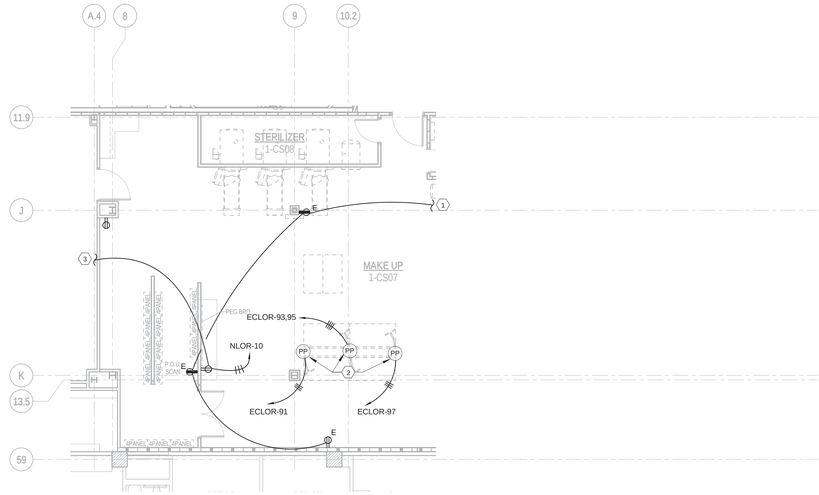
NOTES:

1. REFER TO SHEET E1.04.1 FOR CONTINUATION OF CIRCUITRY.
2. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO POWER POLE. PROVIDE POWER POLE SIMILAR TO A HUBBELL SP100011BBBBXXCG. VERIFY EXACT LENGTH NECESSARY.
3. REFER TO SHEET E1.06B FOR CONTINUATION OF CIRCUITRY.
4. EXISTING STERILIZERS TO BE REFED FROM NEW PANEL EQLOR IN PHASE II UNTIL BEING DEMOLISHED IN PHASE V. PROVIDE A 20A/1P CIRCUIT BREAKER IN PANEL EQLOR TO FEED STERILIZER TEMPORARILY.



SYSTEMS PLAN - PHASE V1-A- SPD

SCALE: 1/8" = 1'-0"

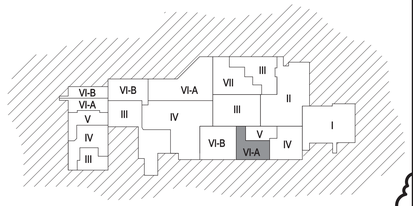


POWER PLAN - PHASE V1-A- SPD

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*



WORKING AREA - PHASED KEY PLAN

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ICT Project No. 140316

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 4	03/16/16

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

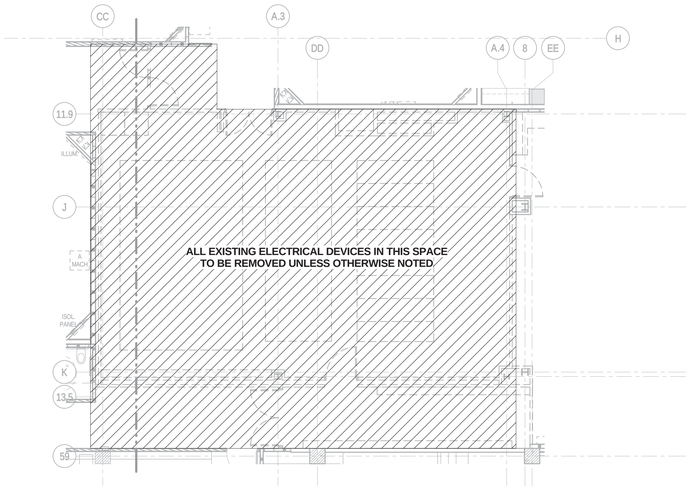
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ELECTRICAL PLAN - PHASE V1-A- SPD

Sheet Number

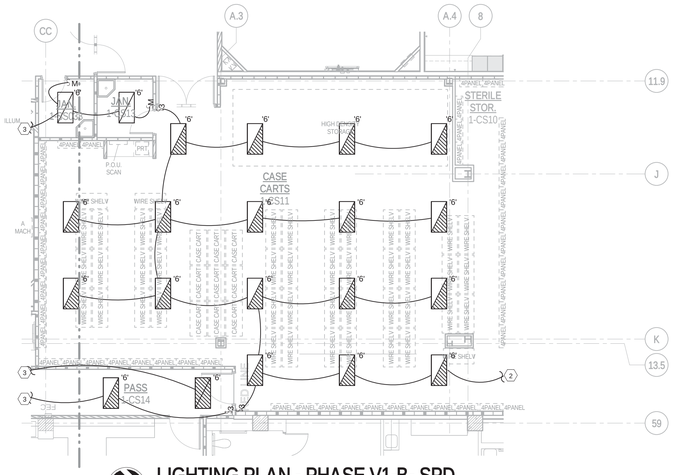
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ELECTRICAL DEMOLITION PLAN - PHASE VI-B - SPD

SCALE: 1/8" = 1'-0"



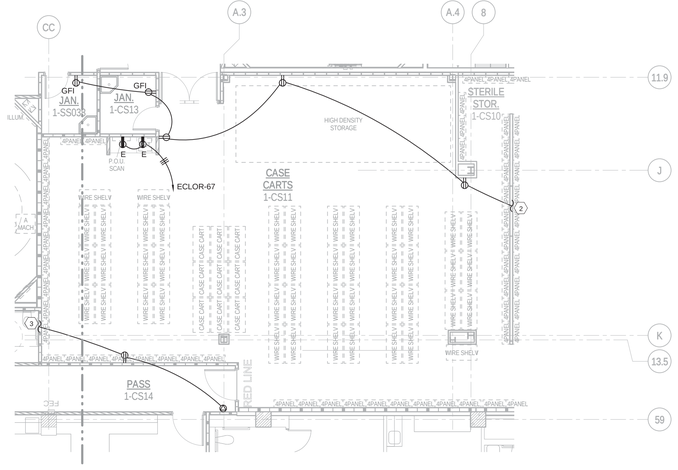
LIGHTING PLAN - PHASE V1-B- SPD

SCALE: 1/8" = 1'-0"

NOTES:

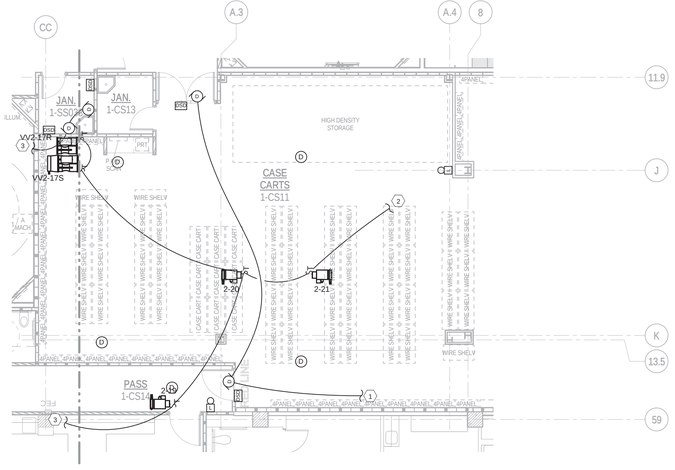
1. REFER TO SHEET E1.04.1 FOR CONTINUATION OF CIRCUITRY.
2. REFER TO SHEET E1.06A FOR CONTINUATION OF CIRCUITRY.
3. REFER TO SHEET E1.04 FOR CONTINUATION OF CIRCUITRY.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



POWER PLAN - PHASE V1-B- SPD

SCALE: 1/8" = 1'-0"



SYSTEMS PLAN - PHASE V1-B- SPD

SCALE: 1/8" = 1'-0"

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DOCUMENT CHANGES

Description	Date
Revision 4	03/16/16

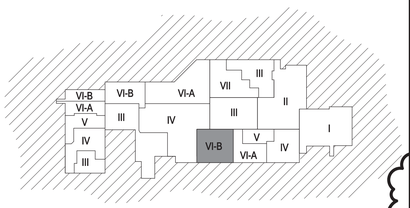
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

Drawing Title

ELECTRICAL PLAN - PHASE V1-B- SPD



WORKING AREA - PHASED KEY PLAN

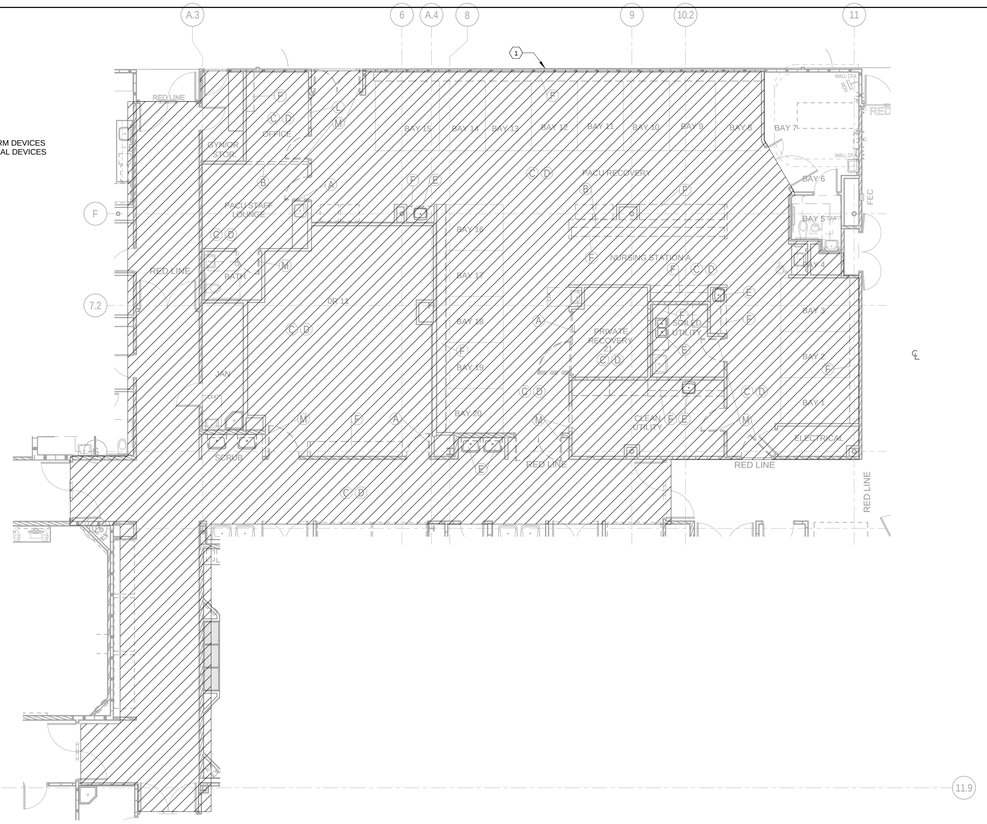
Sheet Number

E1.06B

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NOTES:

1. ALL LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED. ALL WALL MOUNTED ELECTRICAL DEVICES ARE TO REMAIN.



DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

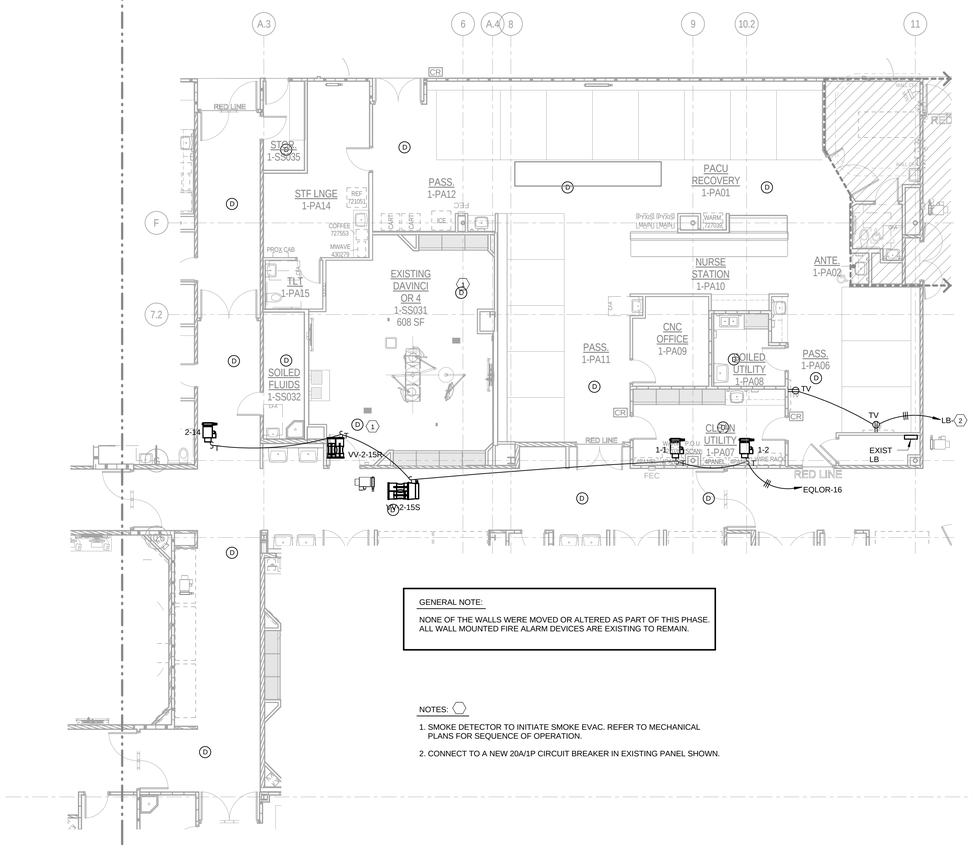
H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.

1 ELECTRICAL.DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



GENERAL NOTE:

NONE OF THE WALLS WERE MOVED OR ALTERED AS PART OF THIS PHASE. ALL WALL MOUNTED FIRE ALARM DEVICES ARE EXISTING TO REMAIN.

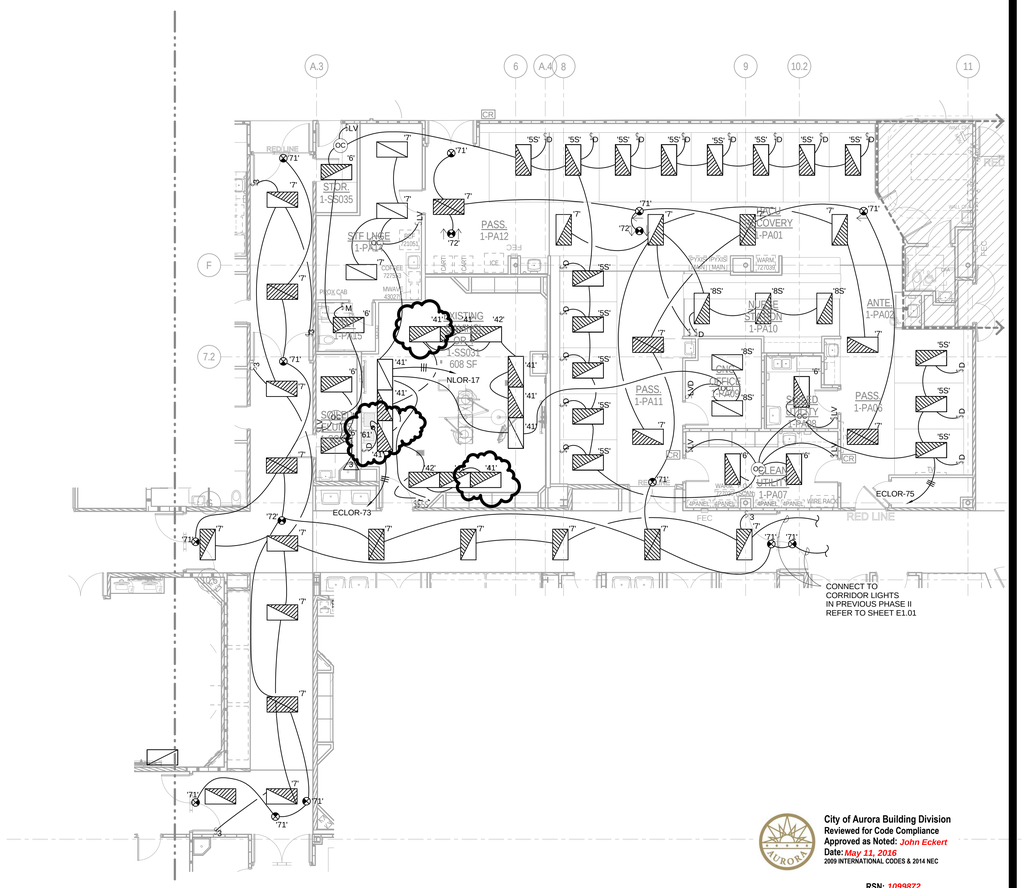
NOTES:

1. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATION.

2. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.

3 SYSTEMS PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

2 LIGHTING PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

ICT
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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

ELECTRICAL PHASE VII-A

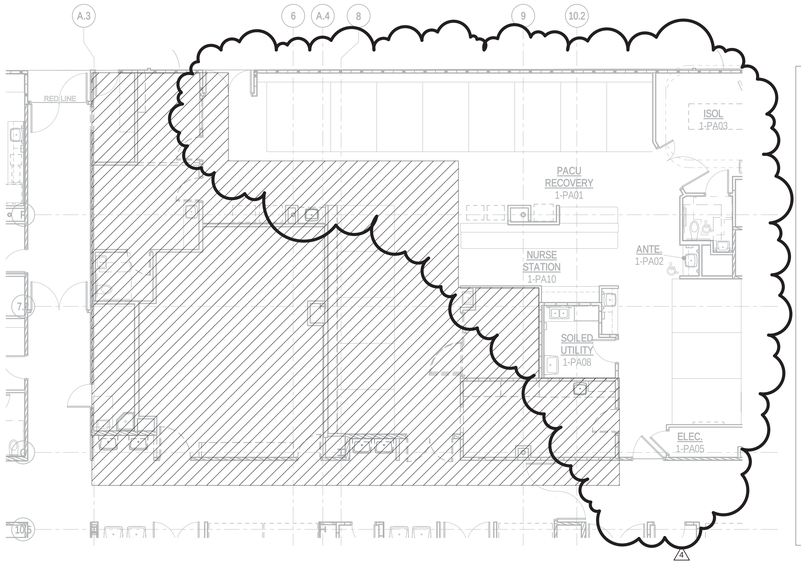
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Sheet Number

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DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

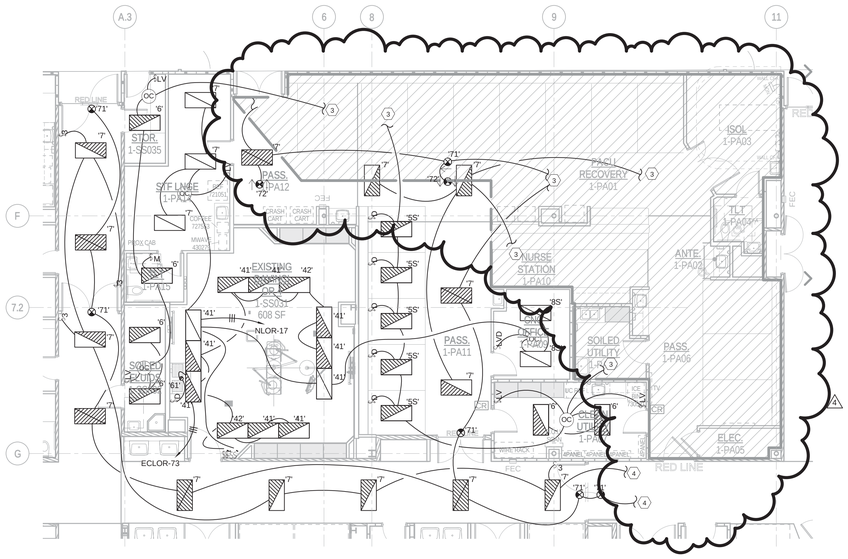
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.

ELECTRICAL DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

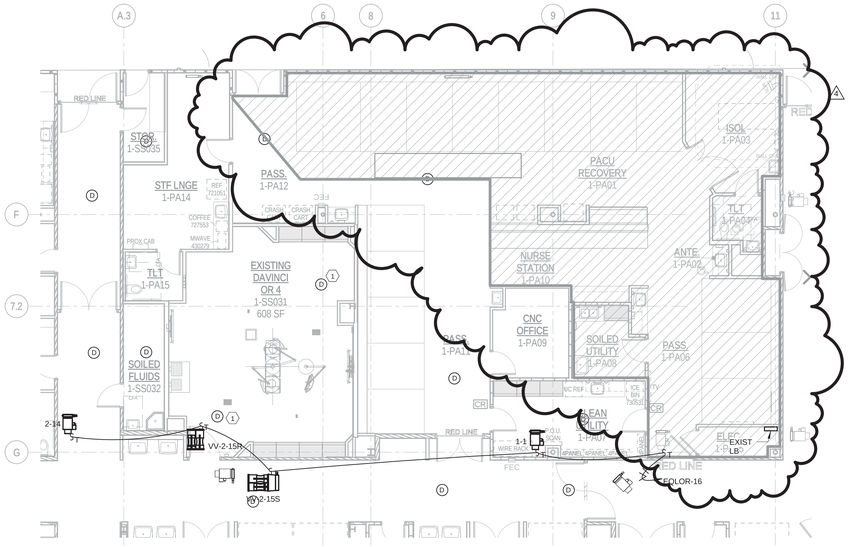
NOTES:

1. ALL LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED. ALL WALL MOUNTED ELECTRICAL DEVICES ARE TO REMAIN.



LIGHTING PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



GENERAL NOTE:

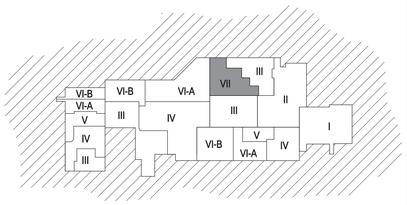
NONE OF THE WALLS WERE MOVED OR ALTERED AS PART OF THIS PHASE. ALL WALL MOUNTED FIRE ALARM DEVICES ARE EXISTING TO REMAIN.

SYSTEMS PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

NOTES:

1. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATION.
2. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.
3. REFER TO SHEET E1.04 FOR CONTINUATION OF CIRCUITRY.
4. REFER TO SHEET E1.02 FOR CONTINUATION OF CIRCUITRY.



WORKING AREA - PHASED KEY PLAN

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15
Revision 4	03/16/16

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By: CM	Checked By: KLW

Drawing Title

ELECTRICAL PHASE VII-A

Sheet Number

E1.07A

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1 ELECTRICAL DEMOLITION PLAN - PHASE VII-B

SCALE: 1/8" = 1'-0"

NOTES:

1. ALL LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED ALL WALL MOUNTED DEVICES TO REMAIN UNLESS OTHERWISE NOTED.

GENERAL NOTE:

CROSSHATCHING INDICATES REWORK OF CASEWORK AND WALL MOUNTED DEVICES. REFER TO NEW WORK PLAN FOR EXTENT OF WORK.

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

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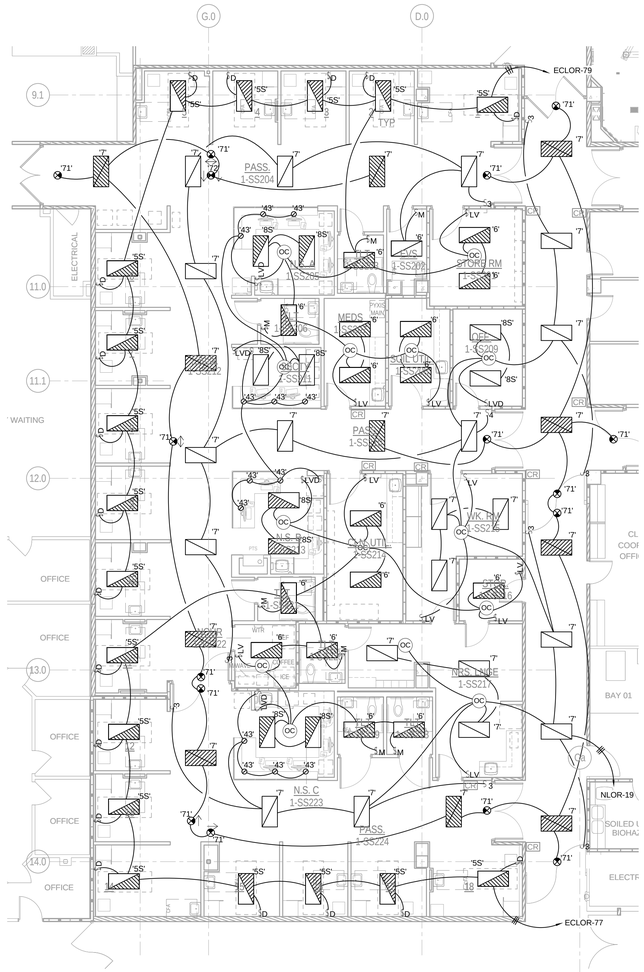
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

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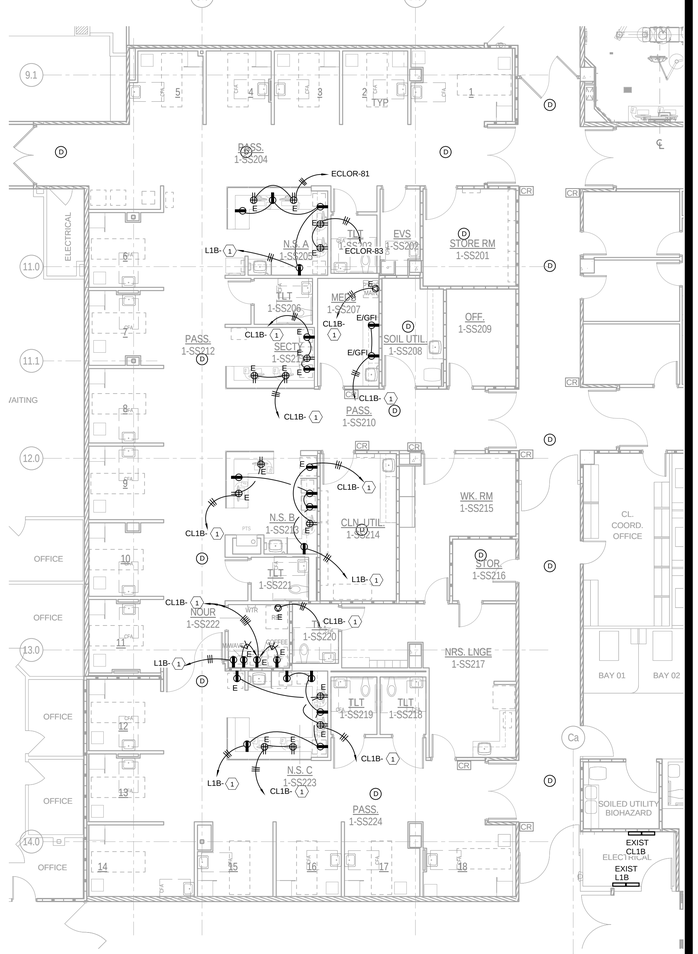
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2 LIGHTING PLAN - PHASE VII-B

SCALE: 1/8" = 1'-0"

Provide emergency illumination equipment that complies with 2014 NEC 700.12 (F) or 2014 NEC 700.



3 POWER & SYSTEMS PLAN - PHASE VII-B

SCALE: 1/8" = 1'-0"

NOTES:

1. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.

GENERAL NOTE:

ALL WALL MOUNTED FIRE ALARM DEVICES IN THIS PHASE ARE EXISTING TO REMAIN.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

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ICT Project No. 140316

Seals

PE-46154 12/30/14 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By	CM
Checked By	KLW

Drawing Title

ELECTRICAL PHASE VII-B

Sheet Number

E1.07B

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GENERAL NOTE:

REFER TO MECHANICAL PHASING PLANS TO DETERMINE RESPECTIVE PHASE FOR EACH PIECE OF EQUIPMENT.

Install electrical connections per 2014 NEC 110.14, identify disconnects per 2014 NEC 110.22 and provide working space around electrical equipment per 2014 NEC 110.26.

NEW RTU-3 ON EXISTING RAISED PLATFORM; SEE STRUCTURAL AND MECHANICAL DRAWINGS

NEW RTU-1 ON NEW RAISED PLATFORM; SEE STRUCTURAL AND MECHANICAL DRAWINGS

NEW RTU-2 ON NEW RAISED PLATFORM; SEE STRUCTURAL AND MECHANICAL DRAWINGS

GENERATOR C

EQHS-9 RTU-3 EQHS-10 3#8,1#10G IN 3/4"C

VFD 3 VFD 3 VFD 15 VFD

GFI/WP ACC-1 36"x18" 34"x16"

3#500MCM, 1#3G. IN 2"C. EQHS-12

EQHS-11 EF-6

GFI/WP EQHS-13 EF-4

GFI/WP IEF-1 TWP EQLOR-18

EF-2 NLOR-27 GFI/WP EQHS-16

NEW PANEL 'EQHT' IN NEMA 3R ENCLOSURE RTU-1

3#1,1#6G. IN 1-1/4"C. EQHS-14

EQHS-15 IFF-3 EQHS-17

EF-7 TWP GFI/WP EQLOR-20

EQLOR-22 IEF-5 TWP

3#6,1#10G. IN 3/4"C.

EQHS-19 EQHS-18 3#6,1#10G. IN 3/4"C. 3#1,1#6G. IN 1-1/4"C. GFI/WP RTU-2 VFD 10 VFD 10 VFD 30 VFD 30

COMBINATION DISCONNECT/STARTER SCHEDULE

(FURNISHED BY ELECTRICAL CONTRACTOR)

ITEM SERVED	H.P.	NEMA SIZE	VOLT /PHASE	FUSED	CONTROL ITEMS ON STARTER	REMARKS
EF-2	3/4	0	480/3	2.8A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP
IEF-3	5	0	480/3	12A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP
EF-4	1	0	480/3	3.5A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP
EF-6	3/4	0	480/3	2.8A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP
RECIRC (RTU-2)	3/4	0	480/3	2.8A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP
RECIRC (RTU-3)	1/2	0	480/3	2.0A	H-O-A,CONTROL 'X'FMR.,1N.C.,1N.O.,NEMA 3R	PROVIDE OVERLOADS SIZED PER HP

ELECTRICAL ROOF PLAN

SCALE: 1/16" = 1'-0"

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
RFI #61	07/28/15

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

ROOF PLAN - ELECTRICAL

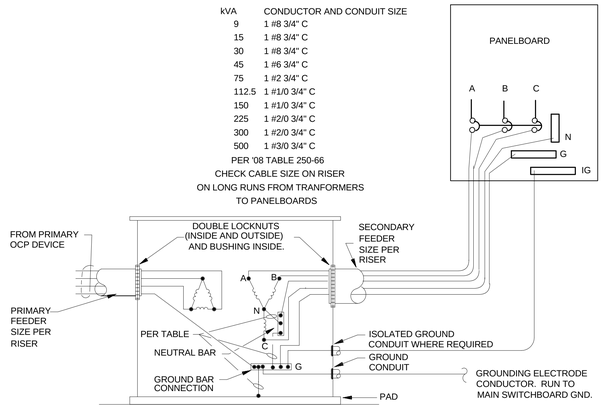
Sheet Number

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kVA	CONDUCTOR AND CONDUIT SIZE
9	1 #8 3/4" C
15	1 #8 3/4" C
30	1 #8 3/4" C
45	1 #6 3/4" C
75	1 #2 3/4" C
112.5	1 #1/0 3/4" C
150	1 #1/0 3/4" C
225	1 #2/0 3/4" C
300	1 #2/0 3/4" C
500	1 #3/0 3/4" C

PER '08 TABLE 250-66
CHECK CABLE SIZE ON RISER
ON LONG RUNS FROM TRANFORMERS
TO PANELBOARDS

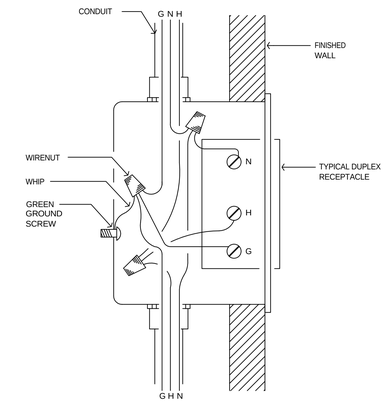


NOTES:
1. DETAIL IS FOR 3-PHASE TRANSFORMERS WITH PRIMARY 480 VOLTS AND SECONDARY 208/120 VOLTAGES
2. BOND JUMPER AND GROUNDING ELECTRODE CONDUCTOR SHALL BE SIZED PER '08 NEC TABLE 250-66.
3. BOND JUMPER AND REQUIRED GROUNDING ELECTRODE CONDUCTOR SHALL BE SAME SIZE. IF THE SECONDARY FEEDER CONDUCTORS ARE GREATER THAN 1100MCM COPPER OR 1750MCM ALUMINUM, THE BOND JUMPER SHALL BE INCREASED IN SIZE TO 12.5 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SECONDARY PHASE CONDUCTOR.

(34) GROUNDING FOR 3 PHASE TRANSFORMER

NOT TO SCALE

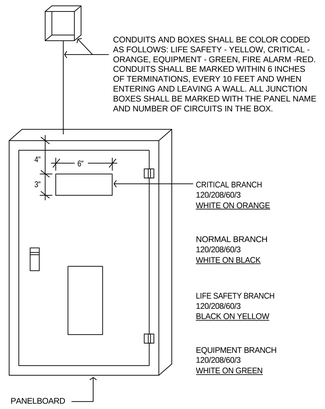
RECEPTACLE GROUND



NOTE:
NO REMOVAL OF ANY DEVICE SHALL INTERRUPT CONTINUITY OF GROUND CONDUCTORS.

REV:

TYPICAL ENGRAVING & COLOR CODING

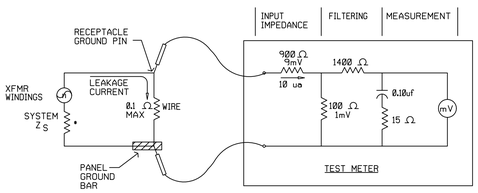


GENERAL NOTES:

1. VERIFY FINAL COLOR CODING AND NAMING CRITERIA WITH THE FACILITY STANDARDS.

REV:

VOLTAGE TEST CIRCUIT SCHEMATIC



CIRCUIT UNDER TEST
• INCLUDES LEAKAGE IMPEDANCE (HI Z)

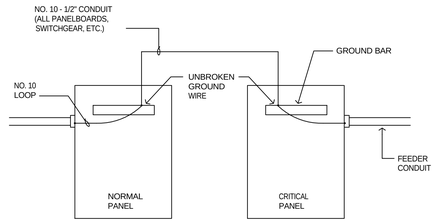
120 VOLTS / Z = 1 LK

MAXIMUM VALUES

20 mv NEW CONSTRUCTION
40 mv CRITICAL EXISTING CONSTRUCTION
500 mv GENERAL CARE EXISTING CONSTRUCTION

REV:

TYPICAL EQUIPOTENTAIL GROUND SYSTEM DIAGRAM

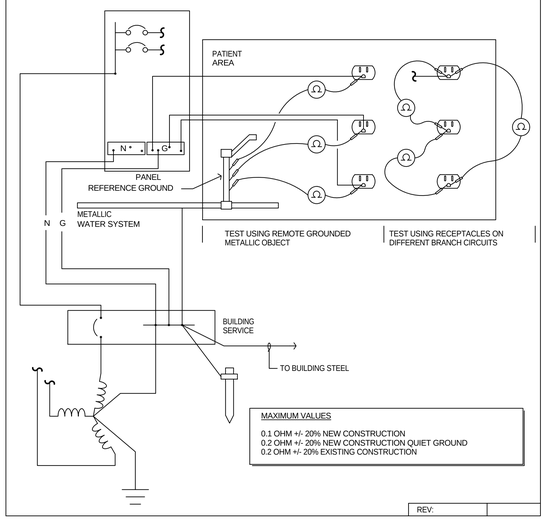


GENERAL NOTES:

1. IN AREAS FOR PATIENT CARE, PROVIDE GROUNDING IN ACCORDANCE WITH NEC 517-13 AND 517.14.
2. THE EQUIPMENT GROUNDING TERMINAL BARS OF THE NORMAL AND ESSENTIAL ELECTRICAL SYSTEM PANELBOARDS SHALL BE BONDED TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN NO. 10. THIS APPLIES TO ALL PANELS SIZED PER NEC 250-95 FOR FEEDER OVER 60 AMP. ACCEPTABLE TO HIGH PRESS IN ORDER TO PROVIDE CONTINUOUS LOOP.

REV:

RESISTANCE TEST CIRCUIT



MAXIMUM VALUES

0.1 OHM +/- 20% NEW CONSTRUCTION
0.2 OHM +/- 20% NEW CONSTRUCTION QUIET GROUND
0.2 OHM +/- 20% EXISTING CONSTRUCTION

REV:

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
Permit #: 2016 1083264

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1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	12/31/14
Project No	140389
Drawn By CM	Checked By KLW

Drawing Title

ELECTRICAL DETAILS

Sheet Number

E2.00

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PANEL: EALDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MCB | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-EALDR SEC | | VOLTAGE: 208/120 | | FAULT CURRENT(A): 2322

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1		CORRIDOR	LTS	1330	1	1830			2	500	GEN	FATC		20 1
20 1		AUTO DOORS	EQ	500	3		700		4	200	EQ	DPA		20 1
20 1		AUTO DOORS	EQ	500	5			500	6		0	SPARE		20 1
20 1		CORRIDOR	LTS	760	7	760			8		0	SPARE		20 1
20 1		AUTO DOORS	EQ	750	9		750		10		0	SPARE		20 1
0 1		SPACE	SPACE	0	11			0	12		0	SPARE		0 1
0 1		SPACE	SPACE	0	13	0			14		0	SPARE		0 1
0 1		SPACE	SPACE	0	15		0		16		0	SPARE		0 1
0 1		SPACE	SPACE	0	17			0	18		0	SPARE		0 1
0 1		SPACE	SPACE	0	19	0			20		0	SPARE		0 1
0 1		SPACE	SPACE	0	21		0		22		0	SPARE		0 1
0 1		SPACE	SPACE	0	23			0	24		0	SPARE		0 1
0 1		SPACE	SPACE	0	25	0			26		0	SPARE		0 1
0 1		SPACE	SPACE	0	27		0		28		0	SPARE		0 1
0 1		SPACE	SPACE	0	29			0	30		0	SPARE		0 1
0 1		SPACE	SPACE	0	31	0			32		0	SPARE		0 1
0 1		SPACE	SPACE	0	33		0		34		0	SPARE		0 1
0 1		SPACE	SPACE	0	35			0	36		0	SPARE		0 1
0 1		SPACE	SPACE	0	37	0			38		0	SPARE		0 1
0 1		SPACE	SPACE	0	39		0		40		0	SPARE		0 1
0 1		SPACE	SPACE	0	41			0	42		0	SPARE		0 1

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	4.54	21.6	* A-N	2590.0	21.6	CONNECTED	4.54
TOTAL DEMAND	4.08	20.9	* B-N	1450.0	12.1	DEMAND	4.08
TOTAL DESIGN	4.60	25.3	* C-N	500.0	4.2	DESIGN	4.60

PANEL: ECHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 400A MLO | CONTINUOUS(A): 400
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 35000
FED FROM: EXIST CR | | VOLTAGE: 480/277 | | FAULT CURRENT(A): 7184

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
35 1		ISD PNL 1E1B	REC	7500	1	20000			2	25000	REC	ISD PNL LSRA		70 2
35 1		ISD PNL 1E3B	REC	7500	3		20000		4	-		" "		" "
35 1		ISD PNL 1E3B	REC	7500	5			7500	6		0	SPACE		0 1
35 1		ISD PNL 1E4B	REC	7500	7	7500			8		0	SPACE		0 1
35 1		ISD PNL 1E6B	REC	7500	9		7500		10		0	SPACE		0 1
35 1		ISD PNL 1E7B	REC	7500	11			7500	12		0	SPACE		0 1
35 1		ISD PNL 1E8B	REC	7500	13	7500			14		0	SPACE		0 1
35 1		ISD PNL 1E9B	REC	7500	15		7500		16		0	SPACE		0 1
35 1		ISD PNL 1E9B	REC	7500	17			7500	18		0	SPACE		0 1
35 1		ISD PNL 1E10B	REC	7500	19	7500			20		0	SPACE		0 1
0 1		SPACE		0	21		0		22		0	SPACE		0 1
0 1		SPACE		0	23			0	24		0	SPACE		0 1
0 1		SPACE		0	25	0			26		0	SPACE		0 1
0 1		SPACE		0	27		0		28		0	SPACE		0 1
0 1		SPACE		0	29			0	30		0	SPACE		0 1
110 1		T-CLIC FDR	NONE	78120	31	26040			32		0	SPACE		0 1
" "		" "		-	33		26040		34		0	SPACE		0 1
" "		" "		-	35			26040	36		0	SPACE		0 1
110 3		T-ECLDR FDR	NONE	86218	37	34179			38	16320	NONE	T-CLIDS FDR		110 3
" "		" "		-	39		34179		40	-		" "		" "
" "		" "		-	41			34179	42	-		" "		" "

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	280.66	370.7	* A-N	102719.3	370.7	CONNECTED	280.66
TOTAL DEMAND	98.33	124.9	* B-N	95219.3	343.6	DEMAND	98.33
TOTAL DESIGN	106.59	134.8	* C-N	82719.3	298.5	DESIGN	106.59

PANEL: ECLDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 250A MCB | CONTINUOUS(A): 400
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-ECLDR SEC | | VOLTAGE: 208/120 | | FAULT CURRENT(A): 4728

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
30 2		UPS	EQ	4000	1	4000			2	4000	EQ	UPS		30 2
" "		" "		" "	3		4000		4	" "		" "		" "
20 1		ELECTRICAL ROOM	LTS	1760	5			3488	6	1728	LTS	D.R. 10		20 1
20 1		ELECTRICAL ROOM	REC	360	7	2088			8	1728	LTS	D.R. 9		20 1
20 1		COMM ROOM	REC	720	9		1800		10	1080	LTS	CORRIDOR		20 1
20 1		COMM ROOM	REC	720	11			1756	12	1036	LTS	CORRIDOR		20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	900	13	1620			14	720	REC	CORRIDOR		20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	900	15		1400		16	500	REC	D.R. 10 FILM ILLUM		20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	1200	17			1700	18	500	REC	D.R. 10 MONITORS		20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	1200	19	2400			20	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	1200	21		2400		22	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	864	23			2064	24	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	864	25	1944			26	1080	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	864	27		1764		28	900	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	864	29			1764	30	900	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1 PLUGMOLD		EQUIP STORAGE	REC	864	31	1364			32	500	REC	D.R. 10 MONITORS		20 1
20 1		D.R. 8	LTS	1728	33		2728		34	1000	REC	D.R. 9 MONITORS		20 1
20 1		D.R. 8	LTS	680	35			1180	36	500	REC	D.R. 9 FILM ILLUM		20 1
20 1		D.R. 7	LTS	1728	37	1978			38	250	REC	AUTO DOORS		20 1
20 1 FILM ILLUMIN		D.R. 7	REC	360	39		1080		40	720	REC	PUMP ROOM		20 1
20 1		SUB STERILE	REC	540	41			1260	42	720	REC	PUMP ROOM		20 1
20 1		PUMP ROOM	REC	720	43	1760			44	1040	LTS	MALE LOCKERS		20 1
20 1 MONITORS		D.R. 7	REC	360	45		2088		46	1728	LTS	D.R. 6		20 1
20 1		PUMP ROOM	REC	720	47			2050	48	1330	LTS	CORRIDOR		20 1
20 1 U.C. REFRIG		PUMP ROOM	REC	1200	49	2928			50	1728	LTS	D.R. 6		20 1
20 1		PUMP ROOM	REC	720	51		1080		52	360	REC	D.R. 6	MONITORS	20 1
20 1 FILM ILLUMIN		D.R. 8	REC	360	53			720	54	360	REC	D.R. 6	FILM ILLUMIN	20 1
20 1		CORRIDOR	REC	540	55	900			56	360	REC	D.R. 5	FILM ILLUMIN	20 1
20 1		MAKE-UP	LTS	1440	57		2400		58	960	EQ	SUB STERILE	U.C. REFRIG	20 1
20 1		STERILE STORAGE	LTS	1780	59			2680	60	900	REC	CLEAN SUPPLY		20 1
20 1		ELEC ROOM	LTS	1600	61	1850			62	250	EQ	AUTO DOORS		20 1
20 1		D.R. 11	LTS	1800	63		3190		64	1390	LTS	D.R. 3		20 1
20 1		ELEC ROOM	REC	180	65			2020	66	1840	LTS	D.R. 2		20 1
20 1		STERILE STORAGE	REC	360	67	1620			68	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		CLEAN STORAGE	REC	800	69		1460		70	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		CLEAN STORAGE	REC	720	71			1980	72	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		D.R. 4	LTS	1600	73	2860			74	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		RECOVERY	LTS	1424	75		1784		76	360	REC	D.R. 3	FILM ILLUMIN	20 1
20 1		RECOVERY	LTS	1420	77			1960	78	540	REC	D.R. 3	MONITOR	20 1
20 1		RECOVERY	LTS	1420	79	1780			80	360	REC	D.R. 2	FILM ILLUMIN	20 1
20 1		NURSE STATIOLN	REC	720	81		1080		82	360	REC	D.R. 1	FILM ILLUMIN	20 1
20 1		NURSE STATIOLN	REC	720	83			1680	84	1390	LTS	D.R. 2		20 1
20 1 AUTODOOR		D.R. 11	EQ	250	85	1450			86	1200	EQ	EXIST FREEZER		20 1
20 1 MONITOR		D.R. 11	REC	200	87		1400		88	1200	EQ	MEDICINE CABINET		20 1
20 1		CO2 MANIFOLD	EQ	200	89			1400	90	1200	EQ	EXIST FREEZER		20 1
20 1		POWER POLE	REC	720	91	970			92	250	REC	AUTO DOORS		20 1
20 1		POWER POLE	REC	720	93		900		94	180	REC	ANES WORK		20 1
20 1		POWER POLE	REC	720	95			1920	96	1200	EQ	EQUIPMENT STORAGE	REFRIGERATOR	20 1
20 1		POWER POLE	REC	720	97	720			98	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	99		0		100	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	101			0	102	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	103	0			104	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	105		0		106	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	107			0	108	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	109	0			110	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	111		0		112	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	113			0	114	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	115	0			116	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	117		0		118	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	119			0	120	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	121	0			122	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	123		0		124	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	125			0	126	0	SPACE	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	92.41	268.4	* A-N	32232.0	268.4	CONNECTED	92.41
TOTAL DEMAND	63.13	180.5	* B-N	30554.0	254.4	DEMAND	63.13
TOTAL DESIGN	71.68	203.1	* C-N	29622.0	246.7	DESIGN	71.62

PANEL: ECDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MLO | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 35000
FED FROM: EXIST CBDP | | VOLTAGE: 480/277 | | FAULT CURRENT(A): 4740

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
35 1		ISD PNL 1E1A	REC	7500	1	9167			2	5000	NONE	CHIC FDR		60 3
35 1		ISD PNL 1E2A	REC	7500	3		9167		4	-		" "		" "
35 1		ISD PNL 1E3A	REC	7500	5			9167	6		0	SPACE		0 1
35 1		ISD PNL 1E5A	REC	7500	7	7500			8		0	SPACE		0 1
35 1		ISD PNL 1E6A	REC	7500	9		7500		10		0	SPACE		0 1
35 1		ISD PNL 1E7A	REC	7500	11			7500	12		0	SPACE		0 1
35 1		ISD PNL 1E8A	REC	7500	13	7500			14		0	SPACE		0 1
35 1		ISD PNL 1E9A	REC	7500	15		7500		16		0	SPACE		0 1
35 1		ISD PNL 1E10A	REC	7500	17			7500	18		0	SPACE		0 1
0 1		SPACE		0	19	7500			20		0	SPACE		0 1
0 1		SPACE		0	21		0		22		0	SPACE		0 1
0 1		SPACE		0	23			0	24		0	SPACE		0 1
0 1		SPACE		0	25	0			26		0	SPACE		0 1
0 1		SPACE		0	27		0		28		0	SPACE		0 1
0 1		SPACE		0	29			0	30		0	SPACE		0 1
0 1		SPACE		0	31	0			32		0	SPACE		0 1
0 1		SPACE		0	33		0		34		0	SPACE		0 1
0 1		SPACE		0	35			0	36		0	SPACE		0 1
0 1		SPACE		0	37	0			38		0	SPACE		0 1
0 1		SPACE		0	39		0		40		0	SPACE		0 1
0 1		SPACE		0	41			0	42		0	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	80.00	114.3	* A-N	31666.7	114.3	CONNECTED	80.00
TOTAL DEMAND	30.00	39.7	* B-N	24166.7	87.2	DEMAND	30.00
TOTAL DESIGN	31.25	41.2	* C-N	24166.7	87.2	DESIGN	31.25

PANEL: EQHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 600A MLO | CONTINUOUS(A): 600
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 42000
FED FROM: EXIST DPEQC | | VOLTAGE: 480/277 | | FAULT CURRENT(A): 15015

CUBICLE NO	DESCRIPTION	CONNECTED kVA	DEMAND kVA	DESIGN kVA	DESIGN MAX AMPS	OC DEVICE TYPE	SIZE	P	NOTES
1	STERILIZER	1.44	0.72	0.72	0.87		15	3	
2	STERILIZER	1.44	0.72	0.72	0.87		15	3	
3	STERILIZER	1.44	0.72	0.72	0.87		15	3	
4	DECONTAM	8.16	5.71	5.71	6.87		25	3	
5	DECONTAM	8.16	5.71	5.71	6.87		25	3	
6	DECONTAM	8.16	4.08	4.08	4.91		25	3	
7	DECONTAM	3.36	2.35	2.35	2.83		15	3	
8	CART WASH	6.48	4.54	4.54	5.46		25	3	
9	RTU-3	17.45	12.22	12.22	14.69		40	3	SUPPLY
10	RTU-3	6.32	4.42	4.42	5.32		15	3	RETURN
11	EF-6	1.33	0.93	0.93	1.12		15	3	
12	ACC-1	232.68	162.88	162.88	195.91		350	3	
13	EF-4	1.75	1.22	1.22	1.47		15	3	
14	RTU-1	33.24	23.27	23.27	27.99		80	3	SUPPLY
15	RTU-1	33.24	23.27	23.27	27.99		80	3	SUPPLY
16	EF-2	1.33	0.93	0.93	1.12		15	3	
17	IEF-3	6.32	4.42	4.42	5.32		15	3	
18	RTU-2	33.24	23.27	23.27	27.99		80	3	SUPPLY
19	RTU-2	33.24	23.27	23.27	27.99		80	3	SUPPLY
20	T-EQLDR FDR	21.29	15.28	15.28	18.37		70	3	
21	AIR COMPRESSOR	33.26	33.26	41.57	50.00		80	3	
22	RTU-1	11.63	8.14	8.14	9.80		30	3	RETURN
23	RTU-1	11.63	8.14	8.14	9.80		30	3	RETURN
24	RTU-1	11.63	8.14	8.14	9.80		30	3	RETURN
25	RTU-1	11.63	8.14	8.14	9.80		30	3	RETURN
26	LIGHTING	24.00	24.00	30.00	36.08		150	3	
27	SPACE	0.00	0.00	0.00	0.00		0	3	
28	SPACE	0.00	0.00	0.00	0.00		0	3	
29	SPACE	0.00	0.00	0.00	0.00		0	3	

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	606.23	729.2	* A-N	202077.7	729.2	CONNECTED	606.23
TOTAL DEMAND	419.65	504.8	* B-N	202077.7	729.2	DEMAND	419.65
TOTAL DESIGN	427.97	514.8	* C-N	202077.7	729.2	DESIGN	427.97

PANEL: EQLDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MCB | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-EQLDR SEC | | VOLTAGE: 208/120 | | FAULT CURRENT(A): 3094

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
40 3		DECONTAM	MOTOR	5408	1	2603			2	800	HVAC	VAV		20 1
" "		" "		-	3		2303		4	500	EQ	DR AUTO DOORS		20 1
" "		" "		-	5			3003	6	1200	HVAC	VAV		20 1
20 1		STERILIZER CONTROLS	EQ	500	7	750			8	250	EQ	DR AUTO DOORS		20 1
20 1		WATER TREATMENT SYS	EQ	500	9		1300		10	800	HVAC	VAV		20 1
20 1		VAV	HVAC	1300	11			1550	12	250	EQ	DR AUTO DOORS		20 1
20 1		DR AUTO DOORS	EQ	500	13	1000			14	250	EQ	DR AUTO DOORS		20 1
20 1		VAV	HVAC	600	15		1100		16	500	HVAC	VAV		20 1
20 1		VAV	HVAC	1100	17			2276	18	1176	MOTOR	IEF-1		20 1
20 1		DR AUTO DOORS	EQ	500	19	1676			20	1176	MOTOR	EF-7		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	300	21		1476		22	1176	MOTOR	EF-5		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	1000	23			1250	24	250	EQ	AUTODOOR		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	300	25	300			26	0	SPACE	SPARE		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	700	27		700		28	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	29			0	30	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	31	0			32	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	33		0		34	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	35			0	36	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	37	0			38	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	39		0		40	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	41			0	42	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	43	0			44	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	45		0		46	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	47			0	48	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	49	0			50	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	51		0		52	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	53			0	54	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	55	0			56	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	57		0		58	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	59			0	60	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	61	0			62	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	63		0		64	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	65			0	66	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	67	0			68	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	69		0		70	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	71			0	72	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	73	0			74	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	75		0		76	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	77			0	78	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	79	0			80	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	81		0		82	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	83			0	84	0	SPACE	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	29.19	89.7	* A-N	10776.0	89.7	CONNECTED	29.19
TOTAL DEMAND	16.13	54.1	* B-N	10500.0	87.4	DEMAND	16.13
TOTAL DESIGN	17.98	61.6	* C-N	7918.0	65.9	DESIGN	17.98

PANEL: NHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 225A MLO | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 18000
FED FROM: EXIST NPDP | | VOLTAGE: 480/277 | | FAULT CURRENT(A): 7666

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
80 3		EXIST RTU-97-9	MOTOR	33240	1	11080			2					
" "		" "		-	3		11080		4					
" "		" "		-	5			11080	6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
60 3		HIC FDR	NONE	4000	31	1333			32					
" "		" "		-	33		1333		34					
" "		" "		-	35			1333	36					
110 3		T-NLDR FDR	NONE	27754	37	24431			38	4554	0	T-LIC FDR		110 3
" "		" "		-	39		24431		40	-		" "		" "
" "		" "		-	41			24431	42	-		" "		" "

| ALL CONNECTED | KVA | MAX PH AMPS | * PHASE TOTALS | VA | AMPS | BUS TOTALS

'IP1A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 4.98 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	NURSE'S WORK	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL LIGHT	#12	0.50
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP1B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 4.80 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL BOOM	#12	0.50
8	20/2	SURGICAL BOOM	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP2A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 4.98 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL LIGHT	#12	0.50
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP2B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.16 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL BOOM	#12	0.50
8	20/2	SURGICAL BOOM	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP3A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.02 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.54
5	20/2	RECEPTACLES	#12	0.36
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL LIGHT	#12	0.50
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP3B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.84 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.54
6	20/2	CORD REEL	#12	0.50
7	20/2	SURGICAL BOOM	#12	0.50
8	20/2	SURGICAL BOOM	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP5A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.02 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	NURSE'S WORK	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	RECEPTACLES	#12	0.18
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL LIGHT	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP5B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.84 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	CORD REEL	#12	0.50
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SURGICAL BOOM	#12	0.50
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP6A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.02 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	RECEPTACLES	#12	0.18
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL LIGHT	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP6B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.84 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	CORD REEL	#12	0.50
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SURGICAL BOOM	#12	0.50
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'LSRA' PANEL SCHEDULE

480 VOLT PRIMARY, 208 VOLT SECONDARY, 1 PHASE
150AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒LASER PANEL

REMARKS: PLUG-CONTROL'D W/LOCKOUT | TOTAL LOAD 25.0 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	50/2	LASER COR#9	#6	10.4 *
2	50/2	LASER COR#7	#6	10.4 *
3	50/2	LASER COR#8	#6	10.4 *
4	50/2	SPARE [1]		
5	50/2	SPARE		
6	50/2	SPARE		
7	-	FUTURE SPACE		
8	-	FUTURE SPACE		

* PROVIDE WITH LOCKOUT FEATURE ALLOWING ONLY TWO OUTLETS TO BE ENERGIZED AT ONE TIME WITHOUT THE USE OF A MANUAL SELECTOR SWITCH

'IP7A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.70 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	NURSE'S WORK	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	RECEPTACLES	#12	0.36
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL LIGHT	#12	0.50
13	20/2	SURGICAL LIGHT	#12	0.50
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP7B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 6.16 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.18
7	20/2	CORD REEL	#12	0.50
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SURGICAL BOOM	#12	0.50
14	20/2	SURGICAL BOOM	#12	0.50
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP8A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.70 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	RECEPTACLES	#12	0.36
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL LIGHT	#12	0.50
13	20/2	SURGICAL LIGHT	#12	0.50
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP8B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 6.16 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.18
7	20/2	CORD REEL	#12	0.50
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SURGICAL BOOM	#12	0.50
14	20/2	SURGICAL BOOM	#12	0.50
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP9A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 6.06 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	NURSE'S WORK	#12	0.72
3	20/2	CLOCK & RECEPT	#12	0.54
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	RECEPTACLES	#12	0.36
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SURGICAL BOOM	#12	0.50
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP9B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.16 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.54
2	20/2	RECEPTACLES	#12	0.36
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.18
6	20/2	RECEPTACLES	#12	0.36
7	20/2	CORD REEL	#12	0.50
8	20/2	CORD REEL	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL LIGHT	#12	0.50
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP10A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 5.34 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	CORD REEL	#12	0.50
8	20/2	SURGICAL BOOM	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.50
10	20/2	SURGICAL BOOM	#12	0.50
11	20/2	SURGICAL BOOM	#12	0.50
12	20/2	SURGICAL BOOM	#12	0.50
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP10B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA [1] | TOTAL LOAD 4.84 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	SURGICAL BOOM	#12	0.50
7	20/2	SURGICAL BOOM	#12	0.50
8	20/2	SURGICAL BOOM	#12	0.50
9	20/2	SURGICAL LIGHT	#12	0.50
10	20/2	RECEPTACLES	#12	0.36
11	20/2	CORD REEL	#12	0.50
12	20/2	SPARE	#12	0.0
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP11A' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA | TOTAL LOAD 4.78 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.36
7	20/2	CORD REEL	#12	0.36
8	20/2	SURGICAL LIGHT	#12	0.50
9	20/2	SURGICAL BOOM	#12	0.36
10	20/2	SURGICAL BOOM	#12	0.36
11	20/2	SURGICAL BOOM	#12	0.36
12	20/2	SURGICAL LIGHT	#12	0.50
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

'IP11B' PANEL SCHEDULE

277 VOLT PRIMARY, 120 VOLT SECONDARY, 1 PHASE
100AMP ☒MCB ☐MLO ☐SURF ☒FLUSH
☒POWER PANEL ☐LIGHTING PANEL

REMARKS: 7.5KVA | TOTAL LOAD 4.32 KVA

CIRC NO	BRKR	PURPOSE	COND & WIRE	KVA LOAD
1	20/2	RECEPTACLES	#12	0.36
2	20/2	RECEPTACLES	#12	0.54
3	20/2	RECEPTACLES	#12	0.36
4	20/2	RECEPTACLES	#12	0.36
5	20/2	RECEPTACLES	#12	0.36
6	20/2	RECEPTACLES	#12	0.18
7	20/2	CORD REEL	#12	0.36
8	20/2	SURGICAL BOOM	#12	0.36
9	20/2	SURGICAL BOOM	#12	0.36
10	20/2	SURGICAL BOOM	#12	0.36
11	20/2	SURGICAL BOOM	#12	0.36
12	20/2	SURGICAL BOOM	#12	0.36
13	20/2	SPARE	#12	0.0
14	20/2	SPARE	#12	0.0
15	20/2	SPARE	#12	0.0
16	20/2	SPARE	#12	0.0

[1]

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: John Eckert
Date: May 11, 2016
2009 INTERNATIONAL CODES & 2014 NEC

RSN: 1099872
Permit #: 2016 1083264

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www.ictthomasson.com
ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

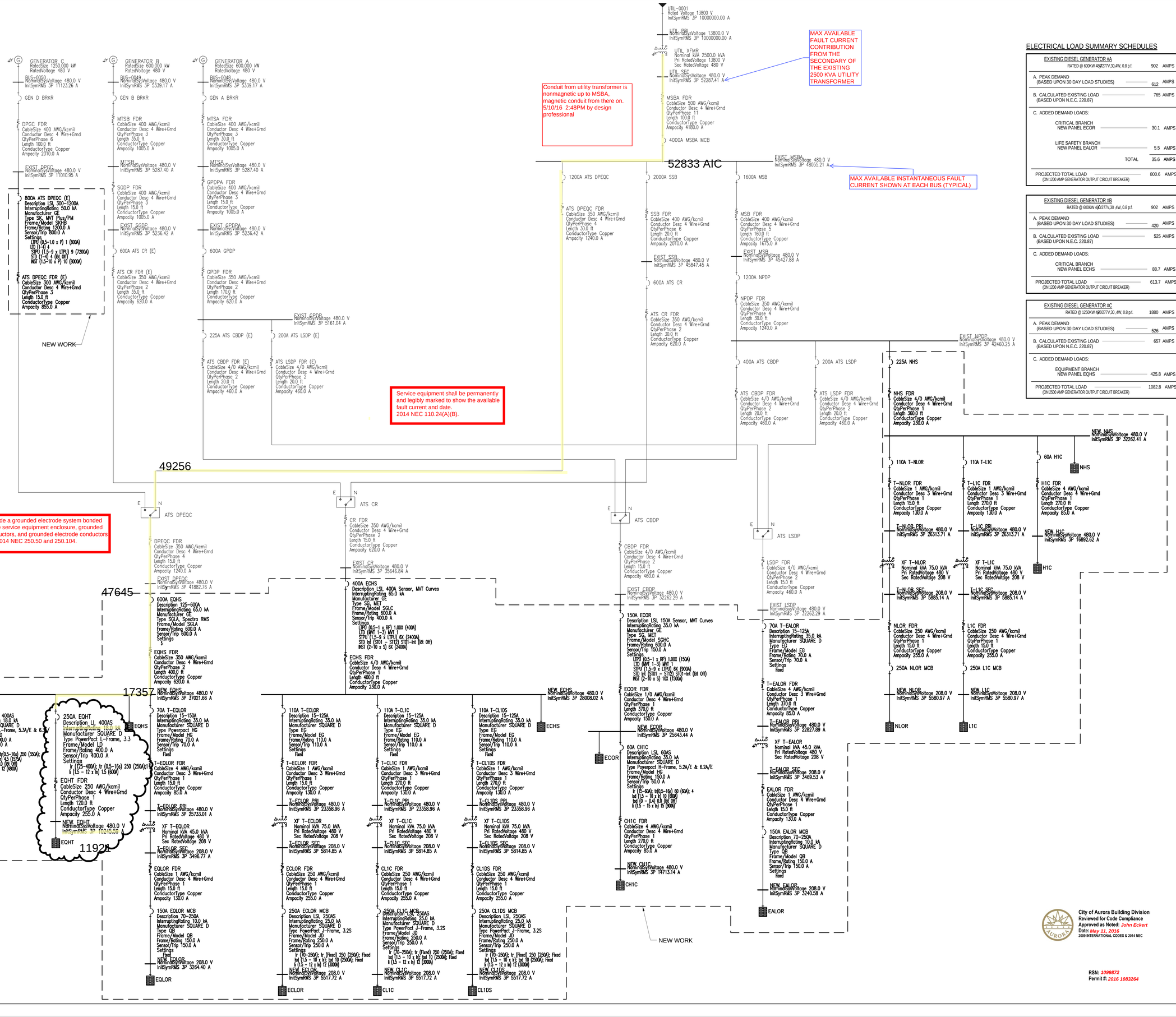
ISOLATION PANEL SCHEDULES

Sheet Number

E3.01

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ELECTRICAL LOAD SUMMARY SCHEDULES

EXISTING DIESEL GENERATOR #A

RATED @ 600KW 480/277V,3Ø,4W, 0.8 p.f.	902	AMPS
A. PEAK DEMAND (BASED UPON 30 DAY LOAD STUDIES)	612	AMPS
B. CALCULATED EXISTING LOAD (BASED UPON N.E.C. 220.87)	765	AMPS
C. ADDED DEMAND LOADS:		
CRITICAL BRANCH NEW PANEL ECOR	30.1	AMPS
LIFE SAFETY BRANCH NEW PANEL EALOR	5.5	AMPS
TOTAL	35.6	AMPS
PROJECTED TOTAL LOAD (ON 1200 AMP GENERATOR OUTPUT CIRCUIT BREAKER)	800.6	AMPS

EXISTING DIESEL GENERATOR #B

RATED @ 600KW 480/277V,3Ø ,4W, 0.8 p.f.	902	AMPS
A. PEAK DEMAND (BASED UPON 30 DAY LOAD STUDIES)	420	AMPS
B. CALCULATED EXISTING LOAD (BASED UPON N.E.C. 220.87)	525	AMPS
C. ADDED DEMAND LOADS:		
CRITICAL BRANCH NEW PANEL ECHS	88.7	AMPS
PROJECTED TOTAL LOAD (ON 1200 AMP GENERATOR OUTPUT CIRCUIT BREAKER)	613.7	AMPS

EXISTING DIESEL GENERATOR #C

RATED @ 1250KW 480/277V,3Ø ,4W, 0.8 p.f.	1880	AMPS
A. PEAK DEMAND (BASED UPON 30 DAY LOAD STUDIES)	526	AMPS
B. CALCULATED EXISTING LOAD (BASED UPON N.E.C. 220.87)	657	AMPS
C. ADDED DEMAND LOADS:		
EQUIPMENT BRANCH NEW PANEL EQHS	425.8	AMPS
PROJECTED TOTAL LOAD (ON 2500 AMP GENERATOR OUTPUT CIRCUIT BREAKER)	1082.8	AMPS

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ICT Project No. 140316

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
RFI #61	07/28/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

ONE-LINE DIAGRAM

Sheet Number

E4.00

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *John Eckert*
Date: *May 11, 2016*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1099872*
Permit #: *2016 1083264*

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Branch Circuit Breakers (Bolt-on)



Table 2: Standard Branches, 600Y/347 Vac Maximum

Branch Prefix	Availability			Short Circuit Current Rating[1]	
	1-Pole	2-Pole	3-Pole	at 480Y/277 Vac	at 600Y/347 Vac
EDB	15-70 A	15-125 A[2]	15-125 A[2]	18,000 A	14,000 A
EGB	15-70 A	15-125 A[2]	15-125 A[2]	35,000 A	18,000 A
EJB	15-70 A	15-125 A[2]	15-125 A[2]	65,000 A	25,000 A

1 Series ratings are also available.
In **Canada**: See Series Rating Guide (Data Bulletin #S1600PD0302EP).
In **USA**: See Switchboard/Panelboard Short Circuit Current Ratings (Data Bulletin #2700DB9901) or the Digest.

2 600Y/347 Vac is 110 A maximum.



Table 3: EPD Branches – 30 mA Ground Fault Equipment Protection Devices, 277 Vac Maximum

Branch Prefix	Availability 1-Pole[1]	Short Circuit Current Rating[2] at 277 Vac
EDB-EPD	15-70A	18,000 A
EGB-EPD	15-70A	35,000 A
EJB-EPD	15-70A	65,000 A

1 EPD branches are single-pole only, and require two pole spaces in the panelboard.

2 Also available with series ratings.



EDB Branch Circuit Breakers

Table 4: Standard and EPD Branches – Terminal Lug Data

Branch Circuit Breaker Prefix	Ampere Rating	Wire Size	
		Aluminum	Copper
EDB, EGB, EJB, EDB-EPD, EGB-EPD, EJB-EPD	15-30 A	#12 - #6	#14 - #6
	35-125 A	#12 - 2/0	#14 – 2/0

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SQUARE D by Schneider Electric

RSN: 1099872
Permit #: 2016 1083264

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COMMUNICATIONS

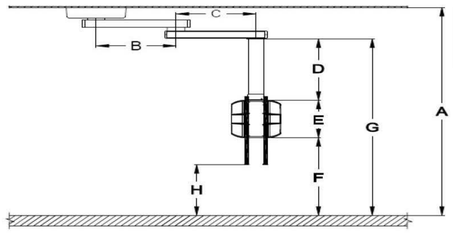
Hospital Name	Boom No.	OE	PO	Sales Rep	PM	Date	Common Configuration	Equipment 550mm FLEX/S Boom: Non-Articulating EDS600 1000/1000
MEDICAL CTR AURORA	Equipment Boom				GUNNAR SCHMID	12/16/2014	No	**Room Name: Ortho/Neuro/Spine ORs**

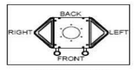
***Not to Scale**

Arm Type: Non-Articulating EDS600 Flange: Short			
Label		mm	in
A	Room Height	3,048	120
B	Arm Length 1	1,000	39.4
C	Arm Length 2	1,000	39.4
D	Drop Tube Length	800	31.5
E	Service Head Size	550	21.7
F	Bottom of Svc Head to Floor	972	38.27
G	Bottom of Arm to Floor	2,450	96.46
H	Bottom of MFR to Floor	576	22.68

Boom Fill			
Current	Max	Percentage	
32.3	50.00	64.60%	
Cable Kits		Qty	
0680000100		1	
0100224468		1	

Gas Connection	
Mfg:	Amico
Type:	DISS
Hose Length	15ft
Electric Connection	
Mfg:	Leviton
Type:	NEMA
Conduit Length	15ft





SERVICE HEAD
TOP VIEW

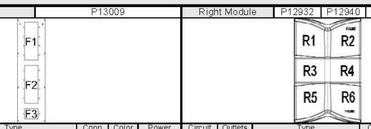
LS/M3 Monitor Mount		
LS/M3 Monitor Location	Monitors Size	Monitor Quantity
NA	NA	NA

Front Shelf and Accessories				Back Shelf and Accessories			
MFR	Handle	Shape Arm	GCX Mounts	MFR	Handle	Shape Arm	GCX Mounts
1000mm	None	Single Shape Arm	0	None	Bracket Handle	NA	Not Applicable
Front Infusion Rack	None			Back Infusion Rack	NA		

Front Shelf Schedule		
Shelf No.	Shelf	Shelf Drawer
Shelf 1	750mm Shelf	None
Shelf 2	750mm w/Handle	None
Shelf 3	750mm Shelf	None
Shelf 4	750mm Shelf	None

Outlet Connection Schedule

Front Plate: P13009 — Right Module: P12932 | P12940 | P12932 | NA — Back Plate: P13001 — Left Module: P12932 | P12940 | P12932 | NA



Front Plate						Right Module					
Circuit	Outlets	Type	Conn	Color	Power	Circuit	Outlets	Type	Conn	Color	Power
E1, E2	F1	20A/125V Duplex (8 Outlets)	Electric	Red	Isolated	E5	R1	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
E3, E4	F2	20A/125V Duplex (8 Outlets)	Electric	Red	Isolated	E5	R2	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
NA	F3	Data Pass Through	Data	NA	NA	E6	R3	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E6	R4	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E7	R5	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E7	R6	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated

Back Plate					
Circuit	Outlets	Type	Conn	Color	Power
NA	B1	LAN/LAN	Data	NA	NA
NA	B2	Vacuum	Gas	NA	NA
NA	B3	Nitrogen Regulator-DISS	Gas	NA	NA

Left Module					
Circuit	Outlets	Type	Conn	Color	Power
NA	L1	Carbon Dioxide-DISS	Gas	NA	NA
NA	L2	1 Gang Blank Plate	NA	NA	NA
NA	L3	DVI	Data	NA	NA
NA	L4	VGA/S-Video/BNC	Data	NA	NA
NA	L5	Vacuum	Gas	NA	NA
NA	L6	Vacuum	Gas	NA	NA

PLEASE NOTE: The ratings of the outlets are listed above. See Section 13.2 of the Operations Manual for Branch Circuit Ratings. DO NOT exceed the Branch Circuits Outlet Rating. All Data Plates with "*" are installed in the field.

Miscellaneous Electric Schedule				Miscellaneous Gas Schedule	
Circuit:E0	20A/125V-Dedicated to EP Module and Motor		Total Circuits: 8	Brake Regulator	Nitrogen (125-200 PSI)

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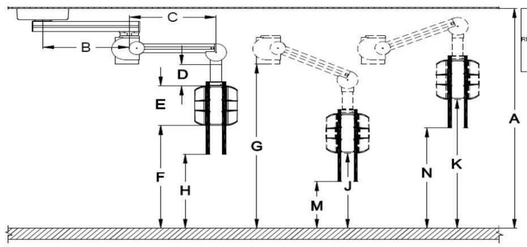
Hospital Name	Boom No.	OE	PO	Sales Rep	PM	Date	Common Configuration	Equipment 550mm FLEX/S Boom: Articulating EDS200 1000/1000
MEDICAL CTR AURORA	Equipment Boom				GUNNAR SCHMID	12/16/2014	No	**Room Name: CVORs**

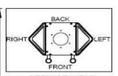
***Not to Scale**

Arm Type: Articulating EDS200 Flange: Short			
Label		mm	in
A	Room Height	3,048	120
B	Arm Length 1	1,000	39.4
C	Arm Length 2	1,000	39.4
D	Drop Tube Length	450	17.7
E	Service Head Size	550	21.7
F	Bottom of Svc Head to Floor	1,275	50.2
G	Bottom of Arm to Floor	2,275	89.57
H	Bottom of MFR to Floor	879	34.61
J	Bottom of Svc Head to Floor	922	36.3
K	Bottom of Svc Head to Floor	1,637	64.45
M	Bottom of MFR to Floor	526	20.71
N	Bottom of MFR to Floor	1,241	48.86

Boom Fill			
Current	Max	Percentage	
33.97	36.00	94.36%	
Cable Kits		Qty	
0680000100		1	
0100224468		1	

Gas Connection	
Mfg:	Amico
Type:	DISS
Hose Length	15ft
Electric Connection	
Mfg:	Leviton
Type:	NEMA
Conduit Length	15ft





SERVICE HEAD
TOP VIEW

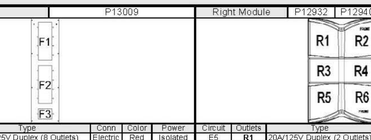
LS/M3 Monitor Mount		
LS/M3 Monitor Location	Monitors Size	Monitor Quantity
NA	NA	NA

Front Shelf and Accessories				Back Shelf and Accessories			
MFR	Handle	Shape Arm	GCX Mounts	MFR	Handle	Shape Arm	GCX Mounts
1000mm	None	None	0	None	Bracket Handle	NA	Not Applicable
Front Infusion Rack	None			Back Infusion Rack	NA		

Front Shelf Schedule		
Shelf No.	Shelf	Shelf Drawer
Shelf 1	750mm Shelf	None
Shelf 2	750mm w/Handle	None
Shelf 3	750mm Shelf	None

Outlet Connection Schedule

Front Plate: P13009 — Right Module: P12932 | P12940 | P12932 | NA — Back Plate: P13001 — Left Module: P12932 | P12940 | P12932 | NA



Front Plate						Right Module					
Circuit	Outlets	Type	Conn	Color	Power	Circuit	Outlets	Type	Conn	Color	Power
E1, E2	F1	20A/125V Duplex (8 Outlets)	Electric	Red	Isolated	E5	R1	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
E3, E4	F2	20A/125V Duplex (8 Outlets)	Electric	Red	Isolated	E5	R2	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
NA	F3	Data Pass Through	Data	NA	NA	E6	R3	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E6	R4	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E7	R5	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated
						E7	R6	20A/125V Duplex (2 Outlets)	Electric	Red	Isolated

Back Plate					
Circuit	Outlets	Type	Conn	Color	Power
NA	B1	LAN/LAN	Data	NA	NA
NA	B2	Vacuum	Gas	NA	NA
NA	B3	Nitrogen Regulator-DISS	Gas	NA	NA

Left Module					
Circuit	Outlets	Type	Conn	Color	Power
NA	L1	Carbon Dioxide-DISS	Gas	NA	NA
NA	L2	1 Gang Blank Plate	NA	NA	NA
NA	L3	DVI	Data	NA	NA
NA	L4	VGA/S-Video/BNC	Data	NA	NA
NA	L5	Vacuum	Gas	NA	NA
NA	L6	Vacuum	Gas	NA	NA

PLEASE NOTE: The ratings of the outlets are listed above. See Section 13.2 of the Operations Manual for Branch Circuit Ratings. DO NOT exceed the Branch Circuits Outlet Rating. All Data Plates with "*" are installed in the field.

Miscellaneous Electric Schedule				Miscellaneous Gas Schedule	
Circuit:E0	20A/125V-Dedicated to EP Module and Motor		Total Circuits: 8	Brake Regulator	Nitrogen (125-200 PSI)

GENERAL NOTE:

EQUIPMENT BOOMS ARE OWNER PROVIDE EQUIPMENT. ELEVATIONS ARE SHOWN FOR REFERENCE ONLY.

RSN: *1099872*
Permit #: *2016 1083264*

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ICT Project No. 140316

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date

Issue Description	
Issue Date	12/31/14
Project No	140389
Drawn By: Author	Checked By: Checker

Drawing Title

EQUIPMENT BOOM ELEVATIONS

Sheet Number

E5.00

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COMcheck Software Version 3.9.1

Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**
Project Title : The Medical Center of Aurora Renovations

Construction Site:
1501 S Potomac Street
Aurora, CO 80012

Owner/Agent:
Rayn Simpson
COO-The Medical Center of Aurora
1501 S Potomac Street
Aurora, CO 80012
303-695-277

Designer/Contractor:
Kevin Whitehurst
I. C. Thomasson
2950 Kraft Drive
Nashville, TN 8001237204
615-346-3400

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Hospital	42268	1.2	50722
		Total Allowed Watts =	50722

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Hospital (42268 sq.ft.)				
Compact Fluorescent 1: Type 5S: 2x4 LED / Other / Dimming	1	39	65	2535
Linear Fluorescent 1: Type 6: 2x4 fluor / 24" T8U 32W / Magnetic	2	132	75	9900
Compact Fluorescent 2: Type 7: 2x4 LED / Other / Dimming	1	108	54	5832
Compact Fluorescent 3: type 8S: 2x4 LED / Other / Dimming	1	45	54	2430
Linear Fluorescent 2: Type 20: 1x4 fluor / 24" T8U 32W / Magnetic	1	4	40	160
Compact Fluorescent 4: Type 51: Sconce / Other / Dimming	1	4	25	100
Compact Fluorescent 5: Type 61: LED Can Light / Other / Dimming	1	46	25	1150
Compact Fluorescent 6: Type 43: Fluor Can Light / Twin Tube 13W / Magnetic	1	14	15	210
Compact Fluorescent 7: Type 48: Fluor Can Light / Twin Tube 13W / Magnetic	2	2	30	60
Linear Fluorescent 3: Type 17: Strip Light / 24" T8U 32W / Magnetic	2	9	75	675
Linear Fluorescent 4: Type 19: Strip Light / 24" T8U 32W / Magnetic	2	2	75	150
Linear Fluorescent 5: Type 41 & 42: O.R. Light / 24" T8U 32W / Magnetic Exemption:Medical/Dental Procedure Lighting	6	108	220	Exempt
Compact Fluorescent 8: Type 71 & 72: Exit Light / Other / Dimming Exemption:Exit Signs, Safety or Emergency Lighting	1	52	15	Exempt
			Total Proposed Watts =	23202

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 54% better than code

Lighting Wattage:

☒ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies

RSN: *1099872*
Permit #: *2016 1083264*

50722 23202 YES

Controls, Switching, and Wiring:

- ☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
- ☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

  Exceptions:

  - ☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
  - ☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
- ☒ 4. Independent controls for each space (switch/occupancy sensor).

  Exceptions:

  - ☐ Areas designated as security or emergency areas that must be continuously illuminated.
  - ☒ Lighting in stairways or corridors that are elements of the means of egress.
- ☐ 5. Master switch at entry to hotel/motel guest room.
- ☐ 6. Individual dwelling units separately metered.
- ☒ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
- ☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

  Exceptions:

  - ☐ Only one luminaire in space.
  - ☒ An occupant-sensing device controls the area.
  - ☒ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
  - ☐ Areas that use less than 0.6 Watts/sq.ft.
- ☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

  Exceptions:

  - ☒ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
- ☐ 10. Photocell/astronomical time switch on exterior lights.

  Exceptions:

  - ☐ Lighting intended for 24 hour use.
- ☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

  Exceptions:

  - ☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COM*check* Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

Kevin Whitehurst PE — Name - Title

Signature

1/21/15 — Date

RSN: *1099872*
Permit #: *2016 1083264*