ELECTRICAL ABBREVIATIONS

A	AMPERE	EWC	ELECTRIC WATER COOLER	N.I.C	NOT IN CONTRACT
AC	ABOVE COUNTER	EX	EXISTING	N.L.	NIGHT LIGHT
A/C	AIR CONDITIONING	EXT	EXTERIOR	NTS	NOT TO SCALE
ACU	AIR CONDITIONING UNIT	FA	FIRE ALARM	OC	ON CENTER
A.F.F.	ABOVE FINISHED FLOOR	FL	FLOOR	O/H	OVERHEAD
A.F.G.	ABOVE FINISHED GRADE	FLA	FULL LOAD AMPS	P	POLE
AHU	AIR HANDLING UNIT	FLUOR	FLUORESCENT	PA	PUBLIC ADDRESS
ALC.	ALCOVE	GC	GENERAL CONTRACT(OR)	PB	PATIENT BED
A/V	AUDIO/VISUAL	GFCI	GROUND FAULT CIRCUIT INTERRUPTOR	PNL	PANEL
AWG	AMERICAN WIRE GUAGE	GND	GROUND	PRI	PRIMARY
AU	AT UNIT	GRS	GALVANIZED RIGID STEEL	PVC	POLYVINYL CHLORIDE
BKR	BREAKER	HID	HIGH INTENSITY DISCHARGE	SEC	SECONDARY
BMCS	BUILDING MANAGEMENT CONTROL SYSTEM	HOA	HAND-OFF-AUTO SELECTOR SWITCH	SF	SUPPLY FAN
C	CONDUIT	HP	HORSEPOWER	SMR	SURFACE METAL RACEWAY
CB	CIRCUIT BREAKER	HPS	HIGH PRESSURE SODIUM	SURF	SURFACE
CCTV	CLOSED CIRCUIT TELEVISION	HR	HOME RUN	SW	SWITCH
CKT	CIRCUIT	HV	HEATING & VENTILATING UNIT	TEL	TELEPHONE
CLG	CEILING	HVAC	HEATING, VENTILATING & AIR CONDITIONING	TV	TELEVISION
COTR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE	INCAN	INCANDESCENT	TYP	TYPICAL
CU	COPPER	JB	JUNCTION BOX	U/G	UNDERGROUND
CUH	CABINET UNIT HEATER	KV	KILOVOLTS	UH	UNIT HEATER
DEMO	DEMOLISH/DEMOLITION	KVA	KILOVOLT AMPS	UNO	UNLESS NOTED OTHERWISE
DTL	DETAIL	KW	KILOWATTS	V	VOLT
DWG	DRAWING	LTG	LIGHTING	VA	VETERANS AFFAIRS
DWH	DOMESTIC WATER HEATER	MCA	MINIMUM CIRCUIT AMPS	VAC	VOLTS, ALTERNATING CURRENT
EA	EACH	MCB	MAIN CIRCUIT BREAKER	VDC	VOLTS, DIRECT CURRENT
EC	ELECTRIC CONTRACT(OR)	MDP	MAIN DISTRIBUTION PANEL	WP	WATERPROOF
E.B.	EMERGENCY BALLAST	MFS	MINIMUM FUSE SIZE	XFMR	TRANSFORMER
EF	EXHAUST FAN	MH	METAL HALIDE		
EM	EMERGENCY	NF	NON-FUSED		
EMT	ELECTRO METALLIC TUBING				
EMOH	ELECTRICALLY OPERATED, MECH. HELD				

GENERAL RENOVATION NOTES:

1. UNLESS NOTED AS EXISTING OR PROVIDED BY OTHERS, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS. ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.
2. NOTIFY AND OBTAIN PERMISSION FROM THE VA COTR 5 DAYS IN ADVANCE OF ANY UTILITY INTERRUPTION.
3. REMOVE MATERIALS AS WORK PROGRESSES. UPON COMPLETION OF WORK. LEAVE AREAS IN A CLEAN CONDITION.
4. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
5. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE PROVIDED WITH MINIMUM DISRUPTION TO THE HOSPITAL SYSTEMS AND STAFF. CONTINUOUS OPERATION OF THE BUILDING SYSTEMS, OUTSIDE OF WORK AREA, SHALL BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT. TEMPORARY SHUTDOWN OF SYSTEMS SHALL ONLY BE ALLOWED WITH WRITTEN CONSENT OF VA COTR. EXISTING ALARM AND EMERGENCY SYSTEMS SHALL NOT BE DISRUPTED AT ANY TIME DURING THE PROJECT.
6. REMOVE & REINSTALL EXISTING CONSTRUCTION (CEILINGS, LIGHTING, ELECTRICAL EQUIPMENT, FIRE ALARM DEVICES, FURNISHINGS, ETC) AS NECESSARY TO COMPLETE THE REMOVALS & RENOVATION WORK REQUIRED BY THE DRAWINGS & SPECIFICATIONS. REPLACE ANY ITEMS DAMAGED BY OR DUE TO THIS REMOVAL & REINSTALLATION WITH NEW ITEMS TO MATCH EXISTING. (APPLIES TO AREAS WITHIN & OUTSIDE OF THE PROJECT AREA)
7. UNLESS NOTED OTHERWISE, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING REQUIRED TO PERFORM WORK. IN ADDITION, PATCH ALL OPENINGS CREATED BY REMOVAL ACTIVITIES WHICH ARE NOT BEING UTILIZED FOR CONSTRUCTION. PATCH TO MATCH EXISTING ADJACENT SURFACES IN MATERIAL, FINISH, TEXTURE AND COLOR.
8. FLUSH MOUNT ALL WIRING DEVICES, LIGHTING CONTROLS AND TELECOMMUNICATION OUTLETS WITHIN NEW AND EXISTING WALLS. CUT/CHANNEL EXISTING WALLS AS REQUIRED FOR FLUSH INSTALLATION OF WALLBOX AND CONDUIT INSTALLATIONS. THE INSTALLATION OF SURFACE MOUNTED DEVICES, SURFACE RACEWAYS, WIREMOLD, ETC., IS NOT PERMITTED.
9. PRIOR TO ROUGH-IN FOR ANY CEILING MOUNTED ELECTRICAL DEVICE OR LIGHT FIXTURE, COORDINATE THE LOCATIONS OF SPRINKLER HEADS WITH PLUMBING CONTRACTOR. ALL CEILING MOUNTED EQUIPMENT SHALL BE MOUNTED AT A DISTANCE FROM SPRINKLER HEADS THAT MEET NFPA MINIMUM REQUIREMENTS.
10. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT/DEVICES WITH ARCHITECTURAL PLANS, ELEVATIONS, FURNITURE LAYOUTS, AND WITH OTHER DIVISIONS PRIOR TO INSTALLATION. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT COST TO VA.
11. INSTALL ALL CIRCUITRY PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, AND CEILING.
12. COVERS ASSOCIATED WITH JUNCTION AND PULL BOXES SHALL BE READILY ACCESSIBLE.
13. PROVIDE PULL BOXES WHERE REQUIRED BY CODE AND WHERE NECESSARY FOR CONDUCTOR INSTALLATION. PROVIDE PULL BOXES EVERY 100' FOR ALL EMPTY RACEWAY RUNS. PRIOR TO INSTALLATION OF PULL BOXES, COORDINATE WITH OTHER TRADES.
14. PROVIDE SEPARATE RACEWAYS AND BOXES FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.
15. CIRCUITS ASSOCIATED WITH NURSE CALL SYSTEM SHALL BE PROVIDED IN SEPARATE, DEDICATED RACEWAYS.
16. INTERCOMMUNICATION SYSTEM CONDUITS AND BOXES SHALL BE PAINTED YELLOW (YELLOW "TOP-COATED" CONDUIT FROM THE CONDUIT MANUFACTURER MAY BE USED IN LIEU OF PAINTED CONDUIT)
17. WITH THE EXCEPTION OF ELECTRICAL CLOSETS & MECHANICAL ROOMS; ALL CONDUITS, RACEWAYS, ELECTRICAL DUCTS, CABLING & WIRING SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS, IN WALLS, OR BENEATH FINISHED FLOORS.
18. PROVIDE PULL CORDS IN ALL CONDUITS/RACEWAYS FOR PULLING OF CABLING/WIRING.
19. PROVIDE SCHEDULE 40 BLACK STEEL PIPE SLEEVES AT ALL CONDUIT PENETRATIONS THROUGH CONCRETE AND MASONRY CONSTRUCTION, AND THROUGH FIRE RATED DRYWALL CONSTRUCTION.
20. FIRE SEAL ALL OPENINGS AROUND ELECTRICAL BOXES, RACEWAYS, SLEEVES, ETC. WHERE PASSING THROUGH CONCRETE SLABS AND WALLS. THE FIRE SEAL SHALL BE APPROVED AND INSTALLED IN ACCORDANCE WITH ASTM E814.
21. THE USE OF TYPE AC CABLE, MC CABLE, OR FLEXIBLE METAL CONDUIT WITH CONDUCTORS IS NOT PERMITTED, EXCEPT FOR FINAL CONNECTIONS TO LIGHT FIXTURES AND HVAC EQUIPMENT (FINAL FLEXIBLE CONNECTION LENGTH IS LIMITED TO MAXIMUM OF 6' FOR LIGHT FIXTURES). REFER TO SPECIFICATIONS FOR MINIMUM RACEWAY SIZE AND MATERIAL REQUIREMENTS.
22. THE USE OF SHARED NEUTRALS IN LIGHTING AND RECEPTACLE BRANCH CIRCUITS IS PROHIBITED. REFER TO SPECIFICATIONS FOR NEUTRAL CIRCUITING REQUIREMENTS.
23. ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE. VERIFY EXACT EQUIPMENT LOCATIONS PRIOR TO FEEDER ROUGH-IN.
24. REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE ON DRAWING E601 FOR HVAC/PLUMBING EQUIPMENT CIRCUITRY, CONTROLS & ADDITIONAL INFORMATION.
25. TO MAINTAIN DRAWING CLARITY, MOTOR CONTROL DEVICES, FOR HVAC/PLUMBING EQUIPMENT, HAVE NOT BEEN SHOWN. REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ON DRAWING E601 FOR TYPES OF MOTOR CONTROL DEVICES REQUIRED, LOCATIONS WHERE CONTROL DEVICES ARE SCHEDULED FOR INSTALLATION, AND ADDITIONAL INFORMATION.
26. MOTOR CONNECTION LOCATIONS SHOWN ARE APPROXIMATE. VERIFY EXACT LOCATIONS WITH OTHER TRADES PRIOR TO FEEDER/ CONDUIT ROUGH-IN.
27. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE HVAC CONTROL DEVICES TO THE EXISTING SUPPORT FRAMES/BUILDING STRUCTURE. THE REQUIRED HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INTERMEDIATE STEEL ANGLE, UNISTRUT, FASTENERS, JOISTS CLAMPS, ETC.
28. AIM OCCUPANCY SENSOR(S) FOR OPTIMAL COVERAGE OF SPACE. SET EACH SENSOR FOR TIME SETTING AS DIRECTED BY OWNER.
29. WHERE NEW CIRCUIT BREAKERS ARE REQUIRED FOR INSTALLATION IN EXISTING ELECTRICAL PANELS, CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS WHICH ARE COMPATIBLE WITH EXISTING ELECTRICAL PANELS. MATCH FRAME SIZES, KAIC RATINGS, ETC. USED, REFURBISHED OR ALTERNATE MANUFACTURER STYLES ARE UNACCEPTABLE.
30. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL ALTER EXISTING PANELBOARD CIRCUIT BREAKER DIRECTORIES, MOUNTED IN EXISTING PANELBOARDS, TO DESCRIBE NEW EQUIPMENT AND DEFINE THEIR CORRESPONDING CIRCUIT BREAKER. PROVIDE VA COTR WITH TWO COPIES OF UPDATED PANELBOARD CIRCUIT BREAKER DIRECTORIES.
31. EACH RECEPTACLE, SWITCH AND JUNCTION BOX, PROVIDED, OR ALTERED, UNDER THIS CONTRACT, SHALL BE LABELED WITH THE CORRESPONDING POWER PANEL NAME AND CIRCUIT BREAKER NUMBER. ALL LABELING SHALL BE TYPEWRITTEN USING A LABEL MAKER AND SHALL BE PERMANENTLY AFFIXED TO EACH FACEPLATE. HANDWRITTEN LABELS WILL NOT BE ACCEPTED. PRIOR TO START OF LABELING, MEET WITH VA COTR TO DETERMINE LABELING SCHEME TO BE UTILIZED. PROVIDE LABELING TO MEET VA REQUIREMENTS.
32. ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF SWITCHES, PANELBOARDS, NURSE CALL EQUIPMENT, OCCUPANCY SENSORS, CONTROL DEVICES, ETC. PRIOR TO COMMENCING INSTALLATION WORK, REFER CONFLICTS BETWEEN THIS REQUIREMENT AND CONTRACT DRAWINGS TO THE VA COTR FOR RESOLUTION.
33. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, CONDUCT A LOAD TEST BY TURNING ON ALL ELECTRICAL EQUIPMENT THROUGHOUT THE ENTIRE PROJECT FOR A CONTINUOUS PERIOD. ALTER FUSES, BREAKERS, CIRCUIT CONNECTIONS ARRANGEMENTS, AS REQUIRED TO PERMIT SATISFACTORY PERFORMANCE. LOAD SHALL BE BALANCED WITHIN 5%.

GENERAL DEMOLITION NOTES:

1. DEMOLITION DRAWINGS ARE BASED ON FIELD OBSERVATION. REPORT ANY CONFLICTS TO THE ENGINEER BEFORE DISTURBING EXISTING EQUIPMENT.
2. BEGINNING OF DEMOLITION MEANS THE CONTRACTOR ACCEPTS ALL EXISTING CONDITIONS.
3. VERIFY SCOPE OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE SCOPE OF THE WORK, AND TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT THEIR WORK AND, THEREFORE, THEIR BID.
4. UNLESS NOTED OTHERWISE, EXISTING ELECTRICAL EQUIPMENT SHOWN ON THESE PLANS ARE A PART OF CONTRACT. TO MAINTAIN DRAWING CLARITY NOT ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN SHOWN. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT/ ENGINEER OF ANY CONFLICTS.
5. UNLESS NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN ON THESE PLANS AS INDICATED BY CROSS HATCHED LINES AND KEYED NOTES.
6. UNLESS NOTED OTHERWISE, DEMOLITION OF ELECTRICAL EQUIPMENT/DEVICES INCLUDES REMOVAL OF CIRCUITRY BACK TO ASSOCIATED SOURCE/PANEL. THIS INCLUDES REMOVAL OF THE DEVICE, WIRING, CONDUIT, BOXES, CONTROL DEVICES, ETC.
7. WHERE POSSIBLE, EXISTING CONDUITS/RACEWAYS (ASSOCIATED WITH REMOVED EQUIPMENT AND WIRING) MAY BE RE-USED FOR NEW CIRCUITING. EXISTING CONDUITS/RACEWAYS MUST BE IN GOOD CONDITION, AND IN COMPLIANCE WITH NEC/SPECIFICATION REQUIREMENTS. NOTIFY ENGINEER PRIOR TO REUSING.
8. EXISTING CIRCUIT BREAKERS ASSOCIATED WITH ELECTRICAL EQUIPMENT SCHEDULED FOR DEMOLITION SHALL REMAIN FOR SPARES UNLESS REMOVAL IS REQUIRED TO MAKE ADDITIONAL SPACE (IN EXISTING PANELBOARDS) FOR NEW CIRCUIT BREAKERS.
9. PRIOR TO DEMOLTION WORK WALK-THRU PROJECT WITH VA COTR TO IDENTIFY EQUIPMENT THEY WISH TO RETAIN. REMOVE ALL UNUSED EXISTING EQUIPMENT WHERE ACCESSIBLE AND OFFER ALL SALVAGE MATERIAL TO THE VA COTR. VA COTR SHALL HAVE FIRST RIGHT OF REFUSAL OR ACCEPTANCE. OF ALL SALVAGEABLE EQUIPMENT REMOVED FROM THE BUILDING. DELIVER, IN GOOD CONDITION, THE EXISTING EQUIPMENT THE VA COTR WISHES TO RETAIN, TO ONSITE LOCATION DESIGNATED BY VA COTR. THE EQUIPMENT NOT CLAIMED BY THE VA COTR SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIAL, NOT RETAINED BY THE VA COTR, IN A LAWFUL AND LEGAL MANNER AWAY FROM THE SITE.
10. MAINTAIN THE ELECTRICAL INTEGRITY OF ALL EXISTING BRANCH CIRCUITS INTERRUPTED BY REMOVAL WORK. PROVIDE ALL WIRING, CONDUIT, AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL EQUIPMENT REMAINING ON EXISTING BRANCH CIRCUITS NOT BEING COMPLETELY REMOVED OR OUTSIDE WORK THE WORK AREA.
11. REMOVE EXISTING ELECTRICAL DEVICES, BOX(ES) AND RACEWAYS LOCATED ON OR IN WALLS SCHEDULED FOR REMOVAL.
12. EXISTING ELECTRICAL DEVICE BOX(ES) AND RACEWAYS LOCATED ON OR IN WALLS, NOT SCHEDULED FOR REMOVAL, SHALL REMAIN FOR RE-USE. EXPOSED RACEWAYS AND BOXES, FOLLOWING DEMOLITION WORK, SHALL BE REMOVED AND ROUTED CONCEALED BEHIND FINISHED SURFACES.
13. PROVIDE BLANK COVER PLATE(S) FOR EXISTING ELECTRICAL BOX(ES) WHICH REMAIN AFTER REMOVALS AND ARE NOT BEING USED FOR NEW DEVICES. PAINT COVERPLATE TO MATCH ADJACENT SURFACES.
14. WHERE REMOVALS OCCUR ON SERVICES THAT ARE TO REMAIN IN OPERATION, CAP OR OTHERWISE TERMINATE THE REMAINING SERVICES BENEATH FINISHED SURFACES.
15. ALL CONDUITS STUBBED THRU FLOOR SERVING ITEMS TO BE REMOVED, AND NOT SHOWN OR REQUIRED TO BE REUSED, SHALL BE CUT OFF FLUSH, SLAB LEVEL WITH CONCRETE.
16. PORTIONS OF FEEDERS RISERS WHICH REQUIRE REMOVAL DUE TO DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT ACCESSIBLE LOCATIONS, REMAIN ENERGIZED AND RECONNECTED. EXTEND EXISTING FEEDERS AS REQUIRED. MATCH EXISTING FEEDERS IN CONDUCTOR SIZE (AMPACITY RATING), RACEWAY SIZE, ETC.
17. CAREFULLY REMOVE AND STORE ALL EQUIPMENT TO BE REUSED IN A SAFE PLACE UNTIL READY FOR REINSTALLATION. CLEAN MATERIALS BEFORE REINSTALLATION AND ENSURE EQUIPMENT IS STILL FULLY OPERATIONAL.
18. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OR RELOCATION OF ITEMS, NOT SHOWN ON THESE DRAWINGS TO ACCOMMODATE THE RENOVATIONS. CONTRACTOR SHALL INCLUDE, IN BASE BID, AN ALLOWANCE FOR UNFORESEEN CONDITIONS WHEN CONCEALED WORK IS EXPOSED. CLAIMS FOR ADDITIONAL DEMOLITION WORK WILL NOT BE ACCEPTED EXCEPT FOR CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.

FIRE ALARM SYSTEM NOTES:

1. EXPAND EXISTING FIRE ALARM SYSTEM TO INCLUDE ADDITIONAL DEVICES AND EQUIPMENT SHUTDOWN SHOWN ON DRAWINGS. PROVIDE ALL EXPANDER PANELS, POWER SUPPLIES, RELAYS, COMPONENTS, WIRING, ETC., AS REQUIRED.
2. ALL FIRE ALARM SYSTEM COMPONENTS SHOWN SHALL BE CONNECTED TO THE EXISTING BUILDING HEAD-END FIRE ALARM PANEL AND PROGRAMMED COMPLETE. CONTACT NORTHERN FIRE SYSTEMS AT (315) 458-1154 FOR INFORMATION ON EXISTING SYSTEM.
3. THE ELECTRICAL INTEGRITY OF ALL EXISTING FIRE ALARM CIRCUITS SHALL BE MAINTAINED DURING RENOVATION WORK. PROVIDE ALL WIRING, CONDUIT AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF FIRE ALARM SYSTEM EQUIPMENT AND DEVICES REMAINING ON EXISTING CIRCUITS OUTSIDE THE WORK AREA. PRIOR TO BEGINNING WORK, SCHEDULE FIRE ALARM SYSTEM OUTAGES WITH VA COTR AND LOCAL FIRE AUTHORITIES.
4. MAINTAIN SMOKE AND HEAT DETECTION COVERAGE OF ALL AREAS DURING DEMOLITION AND RENOVATION ACTIVITIES. PROVIDE TEMPORARY MOUNTING HARDWARE AND SUPPORTS AS REQUIRED TO SECURE SMOKE AND HEAT DETECTORS TO EXISTING BUILDING STRUCTURE. EXISTING SMOKE AND HEAT DETECTORS MAY BE UTILIZED FOR TEMPORARY FIRE PROTECTION. CONTRACTOR SHALL PROVIDE A FIRE WATCH DURING DEMOLITION AND RENOVATION WORK ASSOCIATED WITH FIRE ALARM SYSTEM.
5. EQUIPMENT SPECIFIED FOR THIS PROJECT IS "EST" COMPONENTS PROVIDED FOR THIS CONTRACT MUST BE COMPATIBLE WITH EXISITNG "EST" FIRE ALARM SYSTEM. COORDINATE WORK WITH VA COTR.
6. FIRE ALARM SYSTEM CONDUITS AND BOXES SHALL BE PAINTED RED (RED "TOP-COATED" CONDUIT FROM THE CONDUIT MANUFACTURER MAY BE USED IN LIEU OF PAINTED CONDUIT)
7. PROVIDE ALL COMPONENTS AND WIRING, FOR FIRE ALARM SYSTEM, NECESSARY TO PROVIDE A PROPERLY FUNCTIONING SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.

DRAWING E-001 NOTE:

UNLESS NOTED OTHERWISE, ALL ELECTRICAL SYMBOLS, ABBREVIATIONS, SCHEDULES, NOTES, DEFINITIONS, ETC, SHOWN ON THIS DRAWING APPLY TO ALL ELECTRICAL DRAWINGS.

ELECTRICAL SYMBOLS

GENERAL ELECTRICAL SYMBOLS

(#) INDICATES KEYED NOTE

LIGHTING SYMBOLS (REFER TO LIGHT FIXTURE SCHEDULE)

#a — 2X4 FLUORESCENT CEILING MOUNTED FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 2X2 FLUORESCENT CEILING MOUNTED FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 1X4 FLUORESCENT CEILING MOUNTED FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 2X4 SIMILAR TO ABOVE EXCEPT ON CRITICAL BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 2X2 SIMILAR TO ABOVE EXCEPT ON CRITICAL BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 1X4 SIMILAR TO ABOVE EXCEPT ON CRITICAL BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 2X4 SIMILAR TO ABOVE EXCEPT ON LIFE SAFETY BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 2X2 SIMILAR TO ABOVE EXCEPT ON LIFE SAFETY BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — 1X4 SIMILAR TO ABOVE EXCEPT ON LIFE SAFETY BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — WALL MOUNTED FLUORESCENT LIGHT FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

#a — UNDER-CABINET LIGHT FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — CEILING MOUNTED FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — SIMILAR TO ABOVE EXCEPT ON CRITICAL BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — SIMILAR TO ABOVE EXCEPT ON LIFE SAFETY BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — WALL MOUNTED LIGHT FIXTURE
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — SIMILAR TO ABOVE EXCEPT ON CRITICAL BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

F#a — SIMILAR TO ABOVE EXCEPT ON LIFE SAFETY BRANCH CIRCUIT
F# = FIXTURE TYPE
a = CONTROLLED BY SWITCH 'a'

X# — CEILING MOUNTED EXIT LIGHT, ARROW INDICATES
FACE AND DIRECTION OF TRAVEL
X# = FIXTURE TYPE

X# — WALL MOUNTED EXIT LIGHT, ARROW INDICATES
FACE AND DIRECTION OF TRAVEL
X# = FIXTURE TYPE

LIGHTING CONTROL SYMBOLS

a — SINGLE POLE SWITCH, MOUNT @ 42" A.F.F., UNO
2 = DOUBLE POLE
3 = THREE-WAY
4 = FOUR-WAY
a = CONTROLS SWITCH LEG 'a'
D = DIMMER
P = PILOT LIGHT

W1 — WALL MOUNTED OCCUPANCY SENSOR, MOUNT @ 42" A.F.F., UNO
W1 = OCCUPANCY SENSOR TYPE
REFER TO OCCUPANCY SENSOR SCHEDULE

C1 — CEILING MOUNTED OCCUPANCY SENSOR
C1 = OCCUPANCY SENSOR TYPE
REFER TO OCCUPANCY SENSOR SCHEDULE

POWER SYMBOLS

DUPLEX RECEPTACLE
MOUNT @ 18" A.F.F., UNO

EM — EMERGENCY DUPLEX RECEPTACLE
MOUNT @ 18" A.F.F., UNO

QUAD RECEPTACLE
MOUNT @ 18" A.F.F., UNO

EM — EMERGENCY QUAD RECEPTACLE
MOUNT @ 18" A.F.F., UNO

PB — PATIENT BED LOCATOR DUPLEX RECEPTACLE
MOUNT RECEPTACLE IN PATIENT BED LOCATOR PER DRAWING 8F/AS-202

EM,PB — PATIENT BED LOCATOR EMERGENCY DUPLEX RECEPTACLE
MOUNT RECEPTACLE IN PATIENT BED LOCATOR PER DRAWING 8F/AS-202

PLU — PATIENT LIFTING UNIT DUPLEX RECEPTACLE
COORDINATE MOUNTING REQUIREMENTS WITH DRAWING 8F/AS-202 AND PATIENT LIFTING UNIT MANUFACTURER.

PWU — PATIENT WARDROBE UNIT DUPLEX RECEPTACLE
COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL ELEVATIONS AND MILLWORK MANUFACTURER.

7BB # — HOME RUN TO PANEL BOARD
7BB # = PANELBOARD '7BB' CKT #
PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR EQUIPMENT SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE, PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE CONDUCTOR PER CIRCUIT.

BRANCH CIRCUITRY. PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR SWITCHES AND EQUIPMENT AS SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE, PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE CONDUCTOR PER CIRCUIT.

UN-SWITCHED BRANCH CIRCUITRY. PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR EQUIPMENT AS SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE, PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE CONDUCTOR PER CIRCUIT.

— MOTOR CONNECTION, # = EQUIPMENT DESIGNATION NUMBER
REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE FOR DETAILS

SURFACE MOUNTED PANEL BOARD

RECESS MOUNTED PANEL BOARD

NOTE: WHEREVER THESE SYMBOLS APPEAR ON THE DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. SYMBOLS FOR EXISTING EQUIPMENT HAVE NOT BEEN IDENTIFIED ON THIS LIST. REFER TO DRAWINGS FOR EXISTING EQUIPMENT SYMBOLS, DESCRIPTIONS AND WORK ASSOCIATED WITH EXISTING EQUIPMENT.

SPECIAL SYSTEMS SYMBOLS

S — FIRE ALARM SMOKE DETECTOR
CEILING MOUNT, UNO

135 — FIRE ALARM THERMAL DETECTOR
(RATE OF RISE)
CEILING MOUNT, UNO

FIRE ALARM PULL STATION
MOUNT @ 4'-0" A.F.F.

FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE (SPEAKER & STROBE)
MOUNT @ 6'-8" A.F.F., UNO

FIRE ALARM 'VISUAL ONLY' SIGNALING DEVICE (STROBE)
MOUNT @ 6'-8" A.F.F., UNO

DH — FIRE ALARM DOOR HOLDER
COORDINATE MOUNTING REQUIRMENTS WITH ARCHITECT, UNO

S — WALL MOUNTED PUBLIC ADDRESS SPEAKER
MOUNT @ 6'-8" A.F.F., UNO

S — CEILING MOUNTED PUBLIC ADDRESS SPEAKER

COMBINATION DATA & TELEPHONE PORT
MOUNT @ 18" A.F.F., UNO

PB — PATIENT BED COMBINATION DATA & TELEPHONE PORT
MOUNT PORT IN PATIENT BED LOCATOR PER DRAWING 8F/AS-202

FLS — FRESHLOK SYSTEM DATA PORT
COORDINATE MOUNTING REQUIREMENTS WITH VA COTR, UNO

TV — HDTV OUTLET
REFER TO DRAWINGS FOR MOUNTING HEIGHTS

PB TV — PATIENT BED HDTV OUTLET
COORDINATE MOUNTING REQUIREMENTS WITH DRAWING 8F/AS-202 AND MATV SYSTEM MANUFACTURER.

CT — OPEN CABLE TRAY (BASKET TYPE)
MOUNT ABOVE CEILING

103-1A CR — DOOR ACCESS CARD READER
103-1A = DOOR NUMBER ASSOCIATED WITH READER
MODEL #: COORDINATE WITH VA COTR

NC — NURSE CALL VOIP NURSE CONSOLE
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

ST — NURSE CALL STAFF TERMINAL
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

DIV — NURSE CALL M-NET DIVIDER MODULE
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

RJ45 — NURSE CALL 37-PIN FEATURE BED RECEPTACLE
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

B700 CL — NURSE CALL CORRIDOR LIGHT - 4 POSITION
B700 = ROOM NUMBER ASSOCIATED WITH LIGHT
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

B700 DS — NURSE CALL DOMELESS CORRIDOR CONTROLLER WITH AUDIO
B700 = ROOM NUMBER ASSOCIATED WITH CONTROLLER
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

D — NURSE CALL DUTY STATION
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

SP — NURSE CALL ENHANCED SINGLE PATIENT STATION (W/ CODE BLUE)
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

PC — NURSE CALL PULL CORD WITH AUDIO STATION
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

IJ — NURSE CALL NON-AUDIO UNIVERSAL INTERFACE MODULE
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

NCT1 — NURSE CALL 6TH FLOOR HEAD END CABINET
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

NCT2 — NURSE CALL 7TH FLOOR HEAD END CABINET
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

E-8 — NURSE CALL 8 PORT ETHERNET SWITCH
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

PS — NURSE CALL POWER SUPPLY WITH BATTERY BACK-UP
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

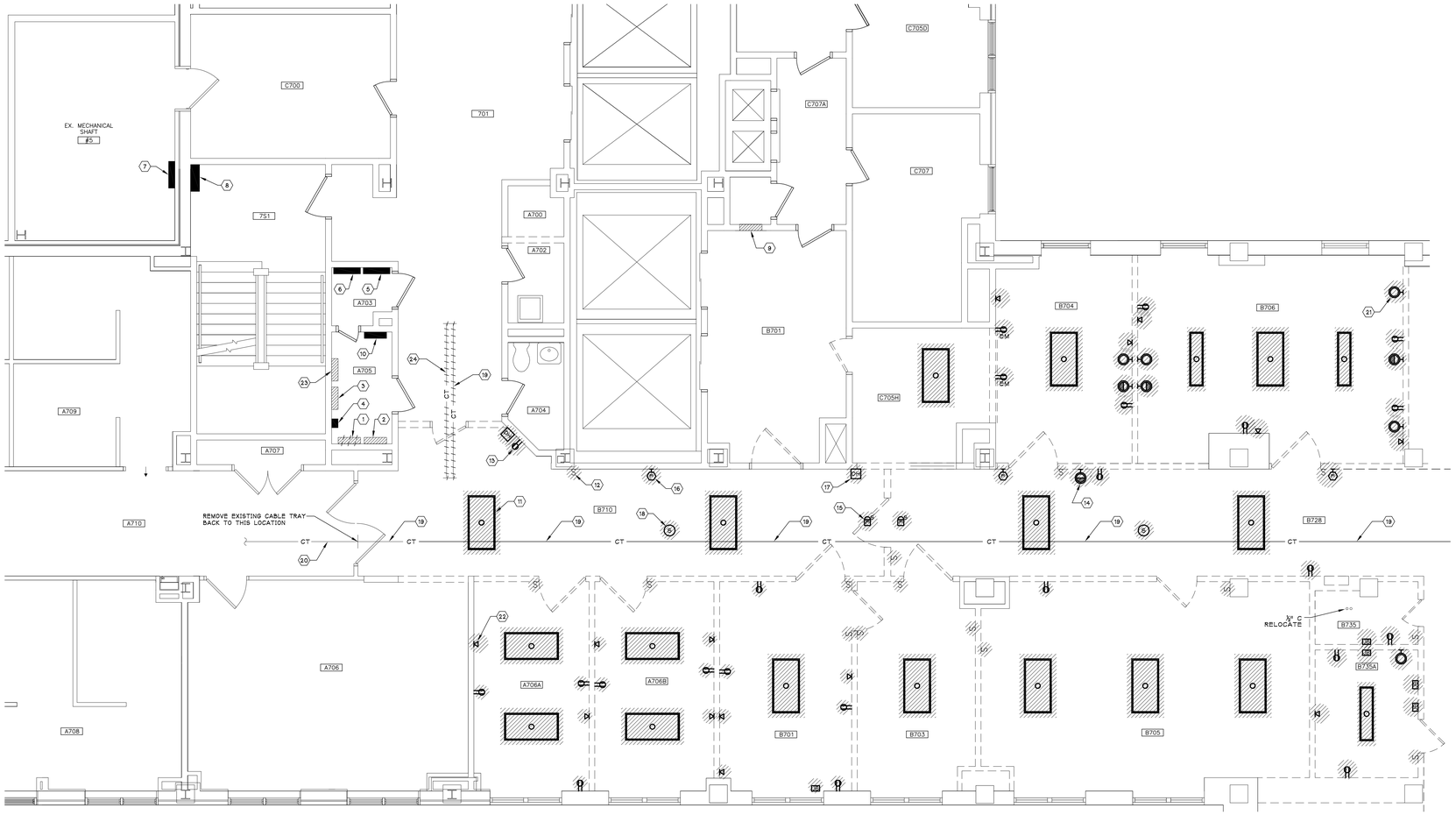
POA — NURSE CALL FIBER OPTIC ADAPTER MODULE
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

SA — NURSE CALL STAFF ASSIST STATION
REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE

ELECTRICAL DEFINITIONS:

RECONNECT EXISTING CIRCUITRY = MODIFY AND EXTEND EXISTING WIRING AND CONDUITS AS REQUIRED TO RECONNECT CIRCUITRY TO ELECTRICAL DEVICE. PROVIDE NECESSARY JUNCTION BOXES, EXTENSION BOXES, SPLICES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED.

CIRCUITRY =



7TH FLOOR PARTIAL PLAN - ELECTRICAL DEMOLITION

1 / ED-101 SCALE: 1/8" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES (FOR THIS DRAWING ONLY):

A. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN WALLS SCHEDULED FOR REMOVAL. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOTION COORDINATION.

B. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN CEILINGS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING CEILINGS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION COORDINATION.

C. REFER TO GENERAL DEMOLITION NOTES ON DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITION INFORMATION.

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY):

1. REMOVE EXISTING CRITICAL EMERGENCY PANELBOARD 'ECRPL2-7'. RETURN PANELBOARD TO VA CDTR.
2. EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'ELSL1-7' REMAINS.
3. EXISTING CRITICAL EMERGENCY PANELBOARD 'E7AA' REMAINS.
4. EXISTING 7TH FLOOR INTERCOMMUNICATION SYSTEM WIRING BLOCKS REMAIN.
5. EXISTING 7TH FLOOR INTERMEDIATE DATA DISTRIBUTION FRAME REMAINS.
6. EXISTING 7TH FLOOR INTERMEDIATE TELEPHONE DISTRIBUTION FRAME 'IT-T1' REMAINS.
7. EXISTING 7TH FLOOR MATV SYSTEM REMAINS.
8. EXISTING 'EST' FIRE ALARM PANEL REMAINS.
9. EXISTING PANELBOARD '7BA' REMAINS.
10. EXISTING 7TH FLOOR DOOR ACCESS CONTROL PANEL REMAINS.
11. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
12. REMOVE EXISTING LIGHT SWITCH AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
13. REMOVE EXISTING RECEPTACLE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
14. REMOVE EXISTING WALL MOUNTED NIGHT LIGHT AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
15. REMOVE EXISTING SMOKE DETECTOR AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
16. REMOVE EXISTING FIRE ALARM SIGNALING DEVICE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
17. REMOVE EXISTING FIRE ALARM DOOR HOLDER AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
18. REMOVE EXISTING PUBLIC ADDRESS SPEAKER AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
19. REMOVE EXISTING CABLE TRAY AND ASSOCIATED SUPPORTS. RETAIN CABLE TRAY AND SUPPORTS FOR REUSE. TEMPORARILY SUPPORT EXISTING LOW-VOLTAGE CABLING (EXISTING CABLING ASSOCIATED WITH DEVICES NOT SCHEDULED FOR REMOVAL).
20. EXISTING CABLE TRAY REMAINS.
21. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
22. REMOVE EXISTING TELECOMMUNICATION OUTLET AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
23. EXISTING PANELBOARD '7AD' REMAINS.
24. REMOVE EXISTING CABLE TRAY AND ASSOCIATED SUPPORTS. TEMPORARILY SUPPORT EXISTING LOW-VOLTAGE CABLING (EXISTING CABLING ASSOCIATED WITH DEVICES NOT SCHEDULED FOR REMOVAL).

Revisions		Date

CONSULTANTS:

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Drawing Title	PARTIAL 7TH FLOOR ELECTRICAL DEMOLITION
Approved: Project Director	
Project Title	RENOVATE 7W FOR PATIENT WARD
Location	VAMC SYRACUSE, NY
Date	12/14/2011
Checked	CAL
Drawn	MAF
Project Number	528A7-11-701
Building Number	
Drawing Number	ED-101
	Dwg. 47 of 61

Office of Facilities Management

Department of Veterans Affairs

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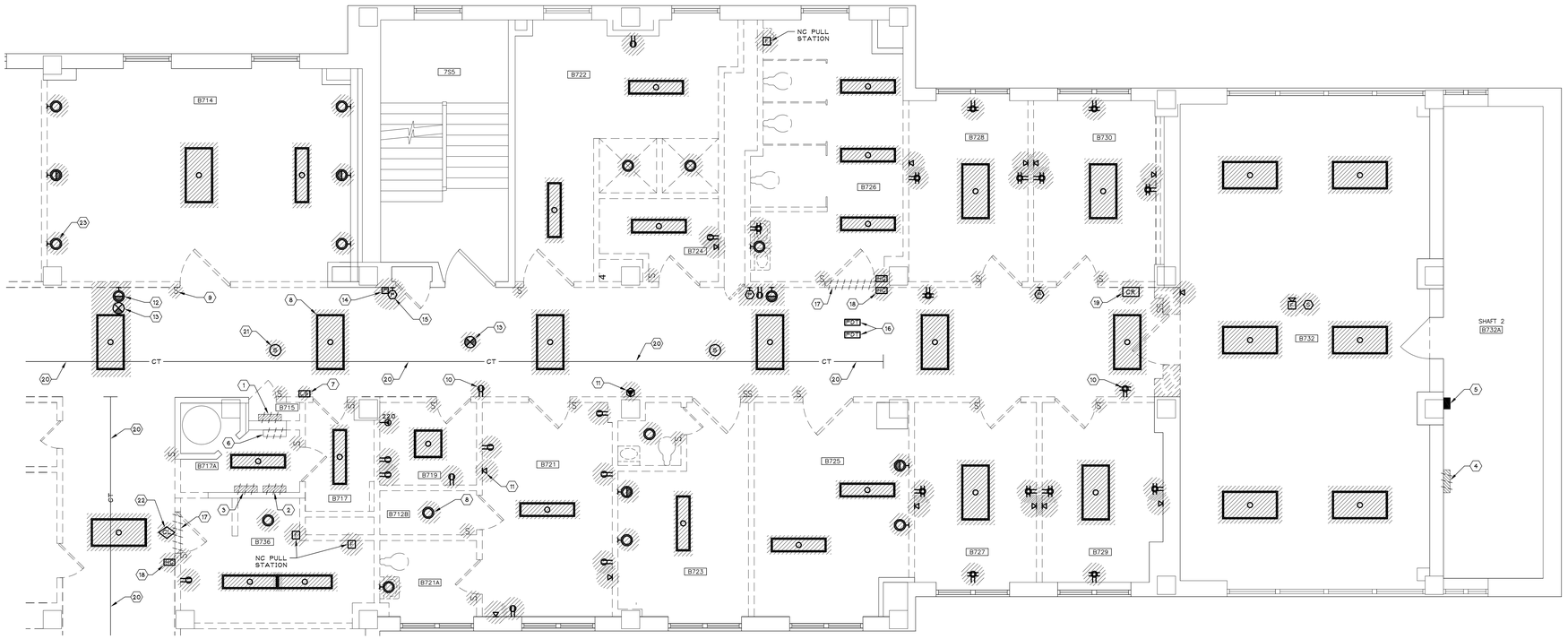


1 / ED-102 7TH FLOOR PARTIAL PLAN - ELECTRICAL DEMOLITION

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

NORTH

GENERAL DEMOLITION NOTES (FOR THIS DRAWING ONLY)

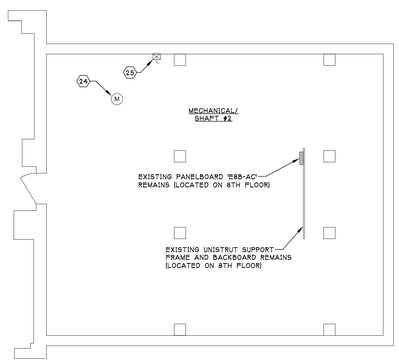
A. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN WALLS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING WALLS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOTION COORDINATION.

B. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN CEILINGS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING CEILINGS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION COORDINATION.

C. REFER TO GENERAL DEMOLITION NOTES ON DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITION INFORMATION.

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY)

1. REMOVE EXISTING PANELBOARD '7BB' AND ASSOCIATED BRANCH CIRCUITRY. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM FOR DEMOLITION WORK ASSOCIATED WITH EXISTING FEEDERS.
2. REMOVE EXISTING PANELBOARD '7BC' AND ASSOCIATED BRANCH CIRCUITRY. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM FOR DEMOLITION WORK ASSOCIATED WITH EXISTING FEEDERS.
3. REMOVE EXISTING CRITICAL EMERGENCY PANELBOARD 'E7BA' AND ASSOCIATED BRANCH CIRCUITRY. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM FOR DEMOLITION WORK ASSOCIATED WITH EXISTING FEEDERS.
4. REMOVE EXISTING EMERGENCY PANELBOARD 'ELS7B-A'. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM FOR DEMOLITION WORK ASSOCIATED WITH EXISTING FEEDERS. RETURN PANELBOARD TO VA COTR.
5. EXISTING PULL BOX REMAINS.
6. REMOVE EXISTING LIGHTING CONTROL PANEL AND ASSOCIATED CIRCUITRY. RETURN LIGHTING CONTROL PANEL TO VA COTR.
7. REMOVE EXISTING LIGHTING CONTROL PANEL OVERRIDE SWITCH AND ASSOCIATED CIRCUITRY. RETURN SWITCH TO VA COTR.
8. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
9. REMOVE EXISTING LIGHT SWITCH AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
10. REMOVE EXISTING RECEPTACLE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
11. REMOVE EXISTING TELECOMMUNICATION OUTLET AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
12. REMOVE EXISTING WALL MOUNTED NIGHT LIGHT AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
13. REMOVE EXISTING EXIT LIGHT AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
14. REMOVE EXISTING FIRE ALARM PULL STATION AND ASSOCIATED CIRCUITRY.
15. REMOVE EXISTING FIRE ALARM SIGNALING DEVICE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
16. REMOVE EXISTING FIRE ALARM DUCT DETECTOR TESTING STATION AND RETAIN FOR REINSTALLATION. EXISTING ASSOCIATED CIRCUITRY REMAINS FOR RECONNECTION.
17. REMOVE EXISTING HANDICAP DOOR OPERATOR ASSOCIATED CIRCUITRY.
18. REMOVE EXISTING HANDICAP DOOR OPERATOR CONTROLLER AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
19. REMOVE EXISTING DOOR ACCESS CARD READER AND ASSOCIATED CIRCUITRY. RETURN CARD READER TO VA COTR.
20. REMOVE EXISTING CABLE TRAY AND ASSOCIATED SUPPORTS. RETAIN CABLE TRAY AND SUPPORTS FOR REUSE. TEMPORARILY SUPPORT EXISTING LOW-VOLTAGE CABLING (EXISTING CABLING ASSOCIATED WITH DEVICES NOT SCHEDULED FOR REMOVAL).
21. REMOVE EXISTING PUBLIC ADDRESS SPEAKER AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
22. REMOVE EXISTING NURE CALL CORRIDOR LIGHT AND ASSOCIATED CIRCUITRY.
23. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
24. REMOVE EXISTING CIRCUITRY FROM EXHAUST FAN 'EF-78' MOTOR CONNECTION BACK TO EXISTING 'EF-78' VFD.
25. EXISTING 'EF-78' VFD REMAINS. EXISTING CIRCUITRY FROM VFD TO EXISTING PANELBOARD 'E8B-AC' REMAINS.



2 / ED-102 9TH FLOOR PARTIAL PLAN- ELECTRICAL DEMOLITION

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

NORTH

Revisions:	Date

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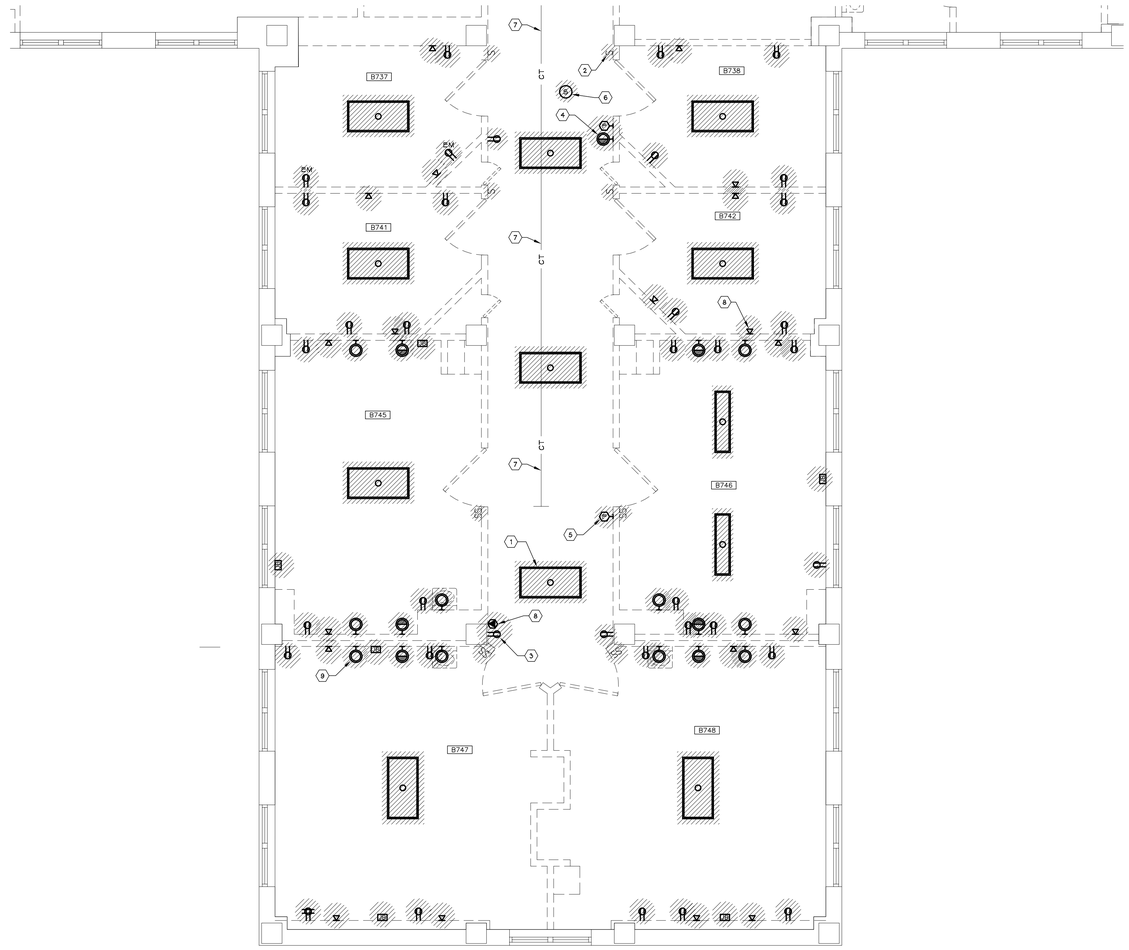
Drawing Title	PARTIAL 7TH FLOOR ELECTRICAL DEMOLITION
Approved: Project Director	
Project Title	RENOVATE 7W FOR PATIENT WARD
Location	VAMC SYRACUSE, NY
Date	12/14/2011
Checked	CAL
Drawn	MAF
Project Number	528A7-11-701
Building Number	
Drawing Number	ED-102
	Dwg. 48 of 61

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 ED-103 7TH FLOOR PARTIAL PLAN - ELECTRICAL DEMOLITION
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES (FOR THIS DRAWING ONLY)

A. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN WALLS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING WALLS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOTION COORDINATION.

B. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN CEILINGS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING CEILINGS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION COORDINATION.

C. REFER TO GENERAL DEMOLITION NOTES ON DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITION INFORMATION.

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY)

1. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
2. REMOVE EXISTING LIGHT SWITCH AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
3. REMOVE EXISTING RECEPTACLE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
4. REMOVE EXISTING WALL MOUNTED NIGHT LIGHT AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
5. REMOVE EXISTING FIRE ALARM SIGNALING DEVICE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
6. REMOVE EXISTING PUBLIC ADDRESS SPEAKER AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
7. REMOVE EXISTING CABLE TRAY AND ASSOCIATED SUPPORTS. RETAIN CABLE TRAY AND SUPPORTS FOR REUSE. TEMPORARILY SUPPORT EXISTING LOW-VOLTAGE CABLING (EXISTING CABLING ASSOCIATED WITH DEVICES NOT SCHEDULED FOR REMOVAL).
8. REMOVE EXISTING TELECOMMUNICATION OUTLET AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)
9. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. (TYPICAL UNLESS NOTED OTHERWISE)

Revisions:		Date

CONSULTANTS:

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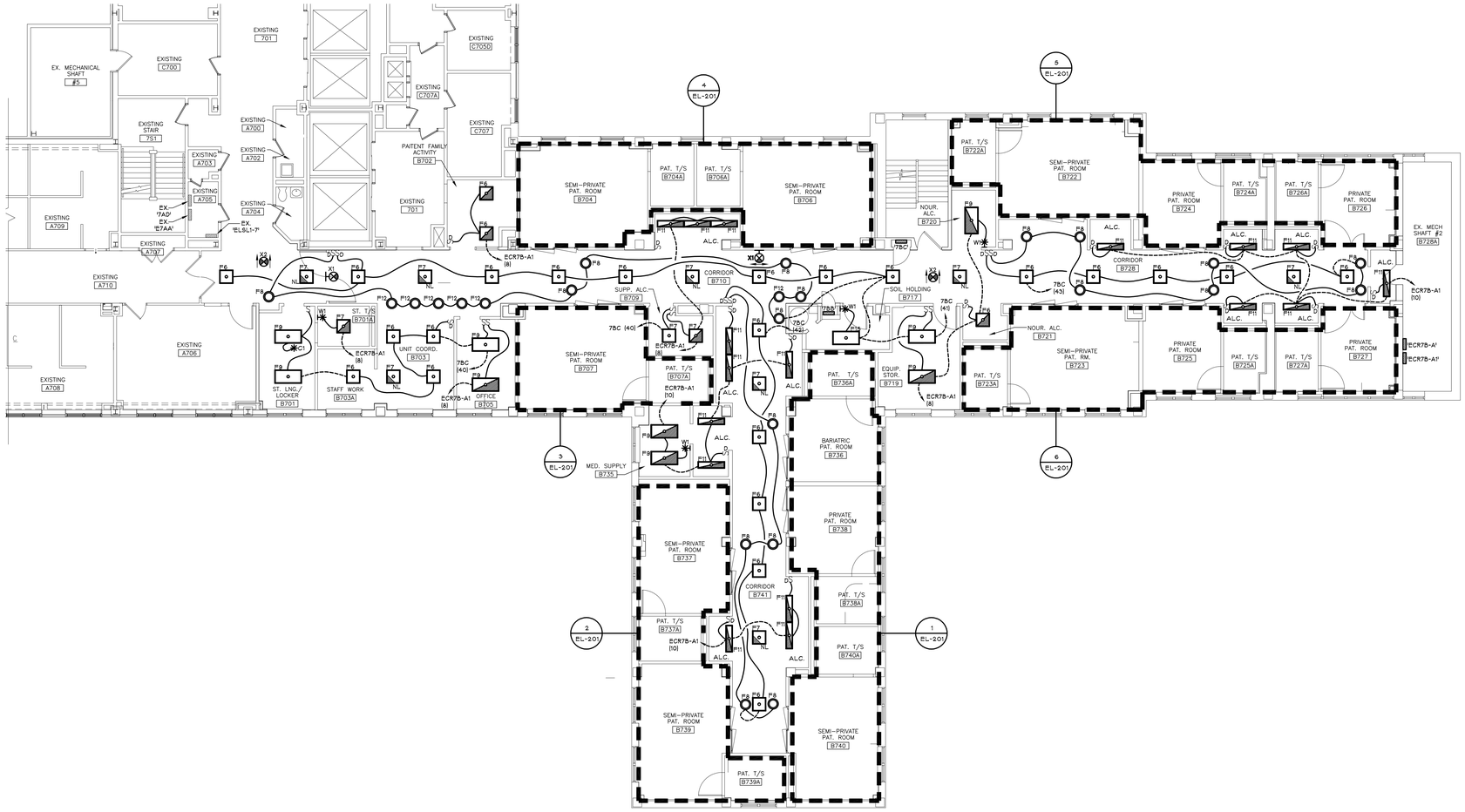
Drawing Title	Project Title	Project Number
PARTIAL 7TH FLOOR ELECTRICAL DEMOLITION	RENOVATE 7W FOR PATIENT WARD	528A7-11-701
		Building Number
Approved: Project Director	Location: VAMC SYRACUSE, NY	Drawing Number: ED-103
	Date: 12/14/2011 · Checked: CAL · Drawn: MAF	Dwg. 49 of 61

Office of Facilities Management
Department of Veterans Affairs

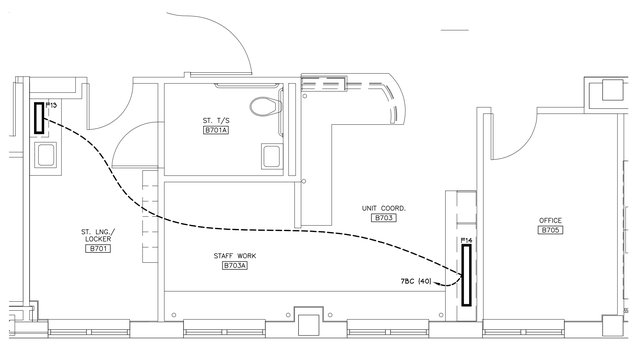
VA FORM 08-6231, OCT 1978



1 EL-101 PARTIAL 7TH FLOOR - LIGHTING PLAN

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

NORTH



2 EL-101 ENLARGED - LIGHTING PLAN

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

NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. UNLESS NOTED OTHERWISE, PROVIDE 2-#12 + #12 GND IN ¾" C FOR LIGHTING CIRCUITRY. PROVIDE 2-#10 +#10 GND IN ¾"C FOR LIGHTING CIRCUITS GREATER THAN 100' IN LENGTH TO PANELBOARD.

B. UNLESS NOTED OTHERWISE, CIRCUIT EXIT LIGHT FIXTURES (TYPES 'X1' & 'X3') TO ONE (1) 20A/1P CIRCUIT BREAKER IN EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'EL5L1-7'. PROVIDE 20A/1P CIRCUIT BREAKER IN PANELBOARD AS REQUIRED. PROVIDE HANDLE LOCK FOR CB AS REQUIRED.

C. UNLESS NOTED OTHERWISE, CIRCUIT SHADED LIGHT FIXTURES (ABBREVIATION 'NL'), LOCATED IN CORRIDORS AND UNIT COORDINATOR, TO ONE (1) 20A/1P CIRCUIT BREAKER IN EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'EL5L1-7'. PROVIDE 20A/1P CIRCUIT BREAKER IN PANELBOARD AS REQUIRED. PROVIDE HANDLE LOCK FOR CB AS REQUIRED.

Revisions:		Date

CONSULTANTS:

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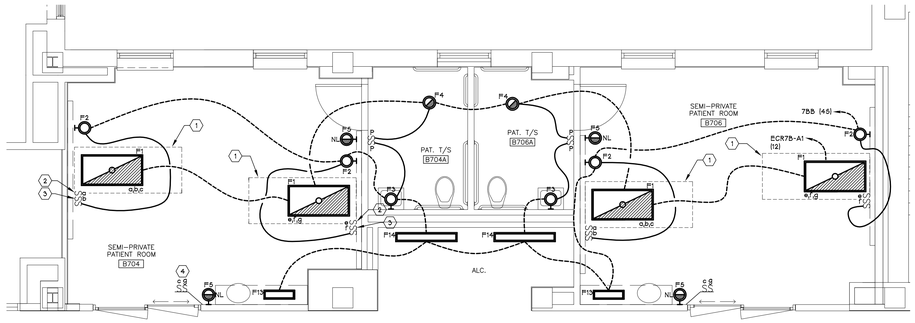
Drawing Title: PARTIAL 7TH FLOOR LIGHTING PLAN	Project Title: RENOVATE 7W FOR PATIENT WARD		Project Number: 528A7-11-701
			Building Number: 1
Approved: Project Director	Location: VAMC SYRACUSE, NY		Drawing Number: EL-101
	Date: 12/14/2011	Checked: CAL	Drawn: MAF

Office of Facilities Management

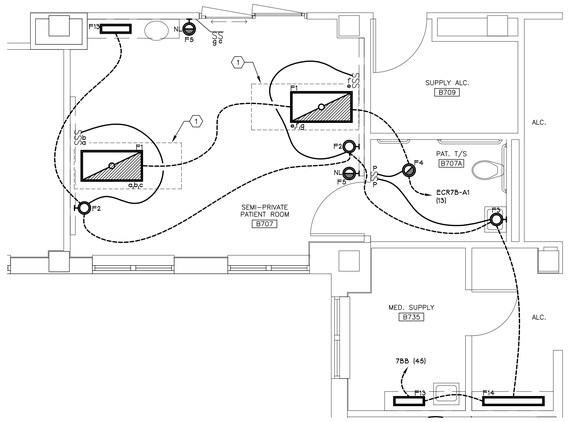
Department of Veterans Affairs

Dwg. 50 of 61

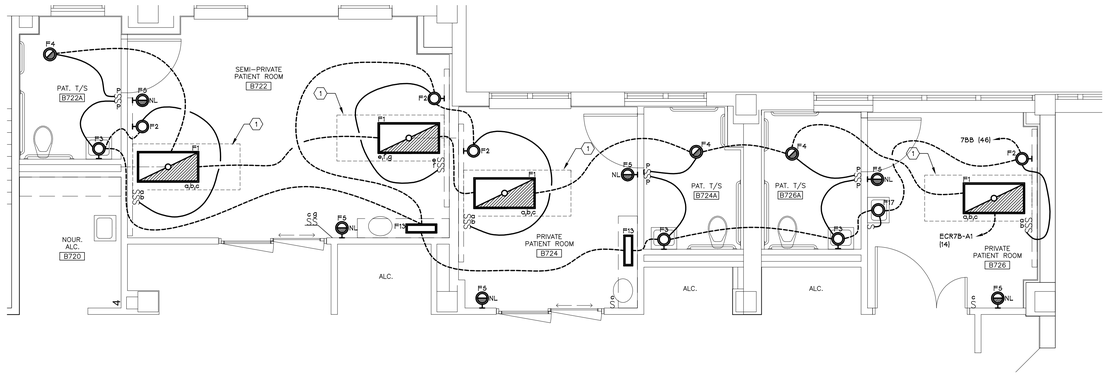
VA FORM 08-6231, OCT 1978



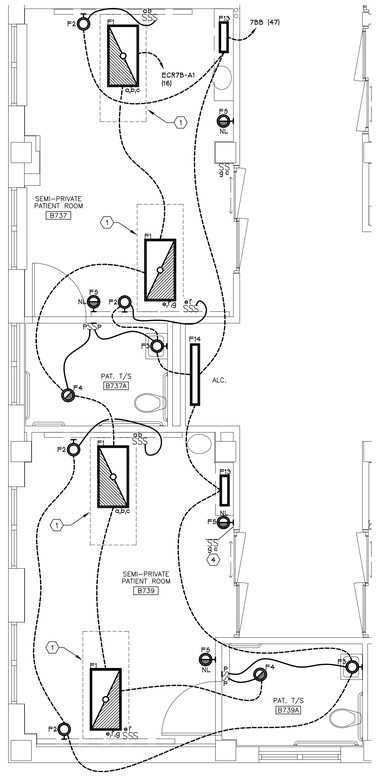
4 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH



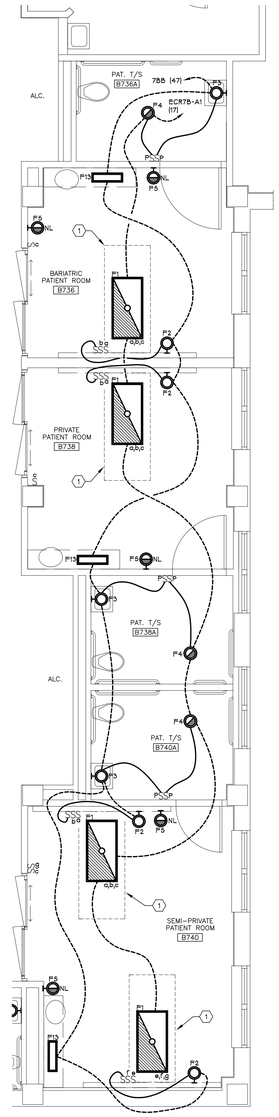
3 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH



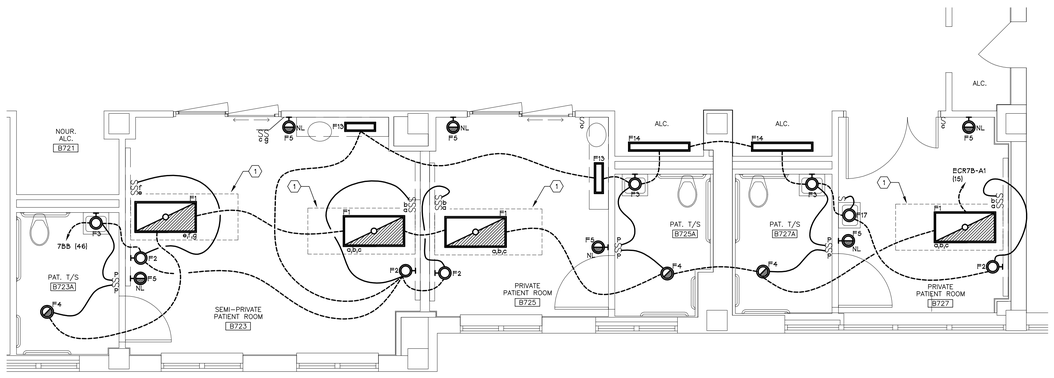
5 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH



2 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH



1 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH



6 EL-201 ENLARGED PLAN - LIGHTING
SCALE: 1/4" = 1'-0"
NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. UNLESS NOTED OTHERWISE, PROVIDE 2-#12 + #12 GND IN ¾" C FOR LIGHTING CIRCUITRY. PROVIDE 2-#10 +#10 GND IN ¾"C FOR LIGHTING CIRCUITS GREATER THAN 100' IN LENGTH TO PANELBOARD.

B. TO MAINTAIN DRAWING CLARITY, LIGHTING CONTROL CIRCUITRY HAS NOT BEEN SHOWN FOR LIGHT MIXTURE TYPE "P1". REFER TO LOW-VOLTAGE LIGHTING CONTROLLER DETAIL ON DRAWING E-502 FOR CIRCUITRY REQUIREMENTS AND ADDITIONAL INFORMATION.

C. CIRCUIT SHADED LIGHT FIXTURES TYPE "F5" TO ONE (1) 20A/1P CIRCUIT BREAKER IN EXISTING LIFE SAFETY EMERGENCY PANELBOARD "ELSL1-7. PROVIDE 20A/1P CIRCUIT BREAKER IN PANELBOARD AS REQUIRED. PROVIDE HANDLE LOCK FOR CB AS REQUIRED.

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

1. APPROXIMATE LOCATION OF PATIENT BED. PROVIDE ONE (1) LOW-VOLTAGE LIGHTING CONTROLLER FOR PATIENT BED. REFER TO LOW-VOLTAGE LIGHTING CONTROLLER DETAIL ON DRAWING E-502 FOR ADDITIONAL INFORMATION
2. PROVIDE N.O. MOMENTARY CONTACT SWITCH FOR LIGHT FIXTURE TYPES "P1" (AMBIENT LIGHT) CONTROL. COORDINATE MOUNTING REQUIREMENTS WITH DRAWING 8F/AS-202. (TYPICAL FOR SWITCHES WITH DESIGNATION 'a' and 'e')
3. PROVIDE N.O. MOMENTARY CONTACT SWITCH FOR LIGHT FIXTURE TYPE "F1" (READING LIGHT) CONTROL. COORDINATE MOUNTING REQUIREMENTS WITH DRAWING 8F/AS-202. (TYPICAL FOR SWITCHES WITH DESIGNATION 'b' and 'f')
4. PROVIDE LIGHT SWITCH(ES) FOR LIGHT FIXTURE TYPE "F1" (EXAM LIGHT) CONTROL. COORDINATE MOUNTING REQUIREMENTS WITH DRAWING 8F/AS-202. (TYPICAL FOR SWITCHES WITH DESIGNATION 'c' and 'g')

Revisions		Date

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Drawing Title: PARTIAL 7TH FLOOR LIGHTING ENLARGED PLANS

Approved: Project Director

Project Title: RENOVATE 7W FOR PATIENT WARD

Location: VAMC SYRACUSE, NY

Date: 12/14/2011 | Checked: CAL | Drawn: MAF

Project Number: 528A7-11-701

Building Number: 1

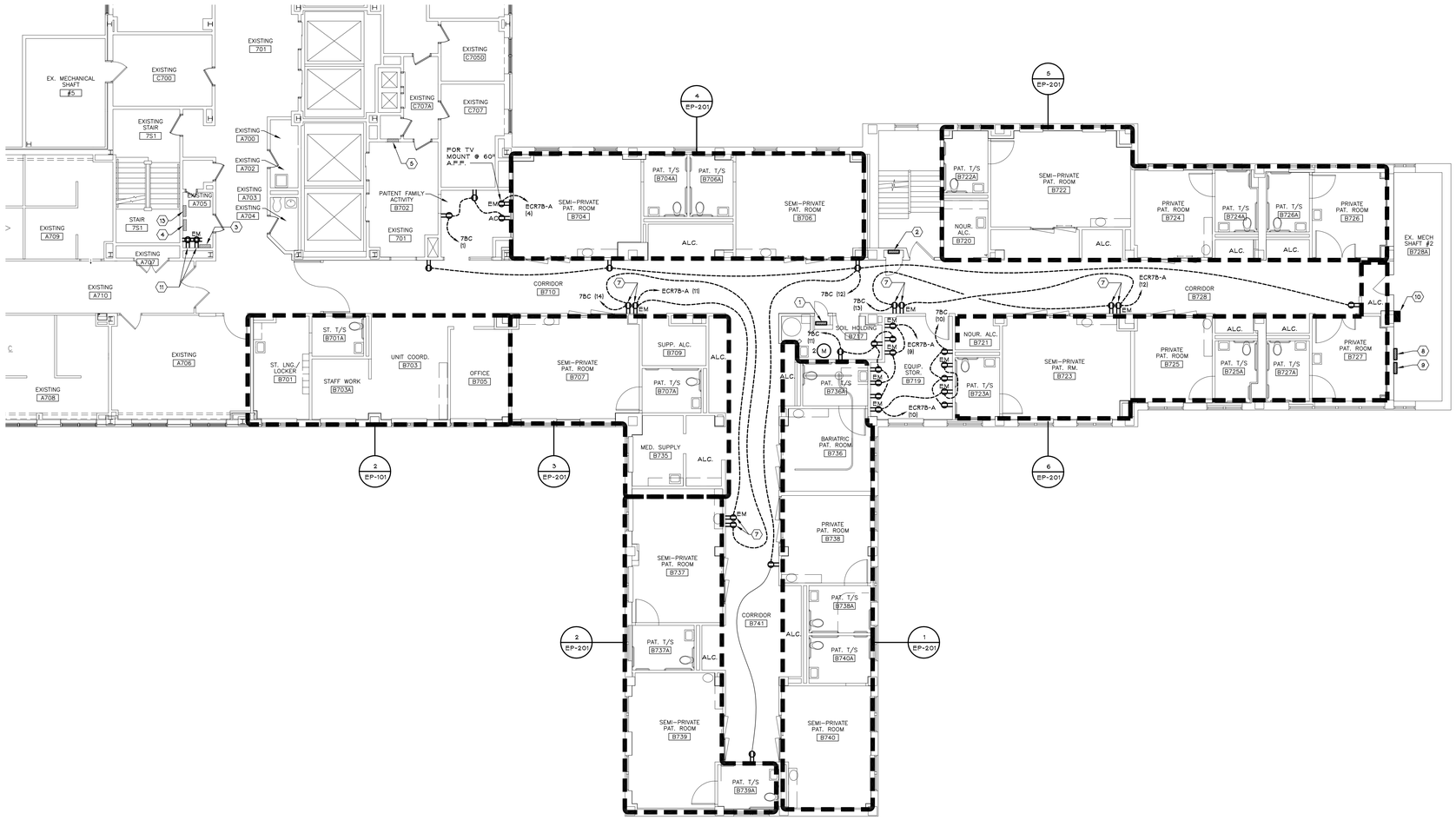
Drawing Number: EL-201

Dwg. 51 of 61

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 EP-101 7TH FLOOR PARTIAL PLAN - POWER

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

NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

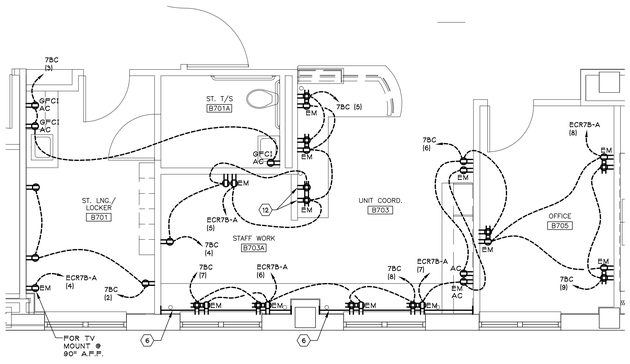
A. REFER TO PANELBOARD SCHEDULES ON DRAWING E-601 FOR ADDITIONAL INFORMATION REGARDING PANELBOARDS '7BB', '7BC', 'ECR7B-A' & 'ECR7B-A1'.

B. TO MAINTAIN DRAWING CLARITY, FEEDERS FOR PANELBOARDS '7BB', '7BC', 'ECR7B-A' & 'ECR7B-A1' HAVE NOT BEEN SHOWN. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM ON DRAWING E-501 FOR WORK REGARDING FEEDERS AND ADDITIONAL INFORMATION.

C. UNLESS NOTED OTHERWISE, PROVIDE 2-#12 + #12 GND IN 3/4"C FOR 120V RECEPTACLE CIRCUITS. PROVIDE 2-#10 +#10 GND IN 3/4"C FOR 120V RECEPTACLE CIRCUITS GREATER THAN 100' IN LENGTH TO PANELBOARD.

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

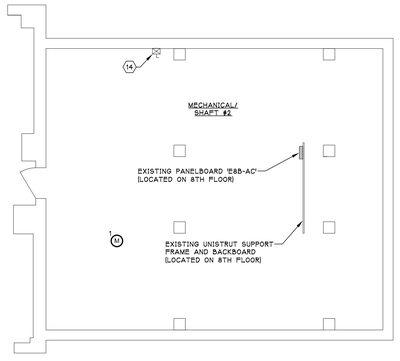
1. PROVIDE 208/120V, 3 PHASE PANELBOARD '7BB'.
2. PROVIDE 208/120V, 3 PHASE PANELBOARD '7BC'. RELOCATE EXISITNG ¾" FIRE ALARM CONDUIT AS REQUIRED TO FACITLITATE INSTALLATION OF PANELBOARD. TO MAINTIAN DRAWING CLARITY, EXISITNG FIRE ALARM CONDUIT HAS NOT BEEN SHOWN (FIELD VERIFY).
3. EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'ELSL1-7'. PROVIDE ONE (1) 20A/1P CB IN PANELBOARD FOR TELEMETRY EQUIPMENT EM QUAD RECEPTACLE. PROVIDE ONE (1) 20A/1P CB IN PANELBOARD FOR 7TH FLOOR NURSE CALL SYSTEM HEAD-END CABINET.
4. EXISTING CRITICAL EMERGENCY PANELBOARD 'E7AA'.
5. EXISTING PANELBOARD '7BA'.
6. PROVIDE DUAL CHANNEL, SURFACE MOUNTED, NON-METTALIC RACEWAY SYSTEM FOR ELECTRICAL DEVICES (RECEPTACLES AND COMBINATION DATA/TELEPHONE PORTS) SHOWN ON THIS WALL. INSTALL ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, WITHIN RACEWAY. COORDINATE RACEWAY MOUNTING HEIGHT WITH ARCHITECT. REFER TO DRAWING ES-101 FOR COMBINATION DATA/TELEPHONE PORT LOCATIONS. PROVIDE WIREMOLD 5400 SERIES DUAL CHANNEL, NON-METTALIC RACEWAY SYSTEM, OR ENGINEER APPROVED EQUAL.
7. PROVIDE RECEPTACLES FOR WALL MOUNTED COMPUTER. COORDINATE RECEPTACLE MOUNTING HEIGHTS, AND EXACT LOCATIONS, WITH ARCHITECT.
8. PROVIDE 208/120V, 3 PHASE CRITICAL EMERGENCY PANELBOARD 'ECR7B-A'.
9. PROVIDE 208/120V, 3 PHASE CRITICAL EMERGENCY PANELBOARD 'ECR7B-A1'.
10. EXISTING PULL BOX. REFER TO PARTIAL POWER DISTRIBUTION DIAGRAM ON DRAWING E-501 FOR WORK ASSOCIATED WITH EXISTING PULL BOX AND ADDITIONAL INFORMATION.
11. PROVIDE QUAD RECEPTACLES FOR TELEMETRY EQUIPMENT. CIRCUIT EM QUAD RECEPTACLE TO 20A/1P CB IN EX. LIFE SAFETY EMERGENCY PANELBOARD 'ELSL1-7'. CIRCUIT QUAD RECEPTACLE TO 20A/1P CB IN EX. PANELBOARD '7AD'. COORDINATE RECEPTACLE MOUNTING HEIGHTS, AND EXACT LOCATIONS, WITH ARCHITECT AND TELEMETRY EQUIPMENT PROVIDER.
12. PROVIDE RECEPTACLES FOR TELEMETRY MONITOR(S). COORDINATE RECEPTACLE MOUNTING HEIGHTS, AND EXACT LOCATIONS, WITH ARCHITECT AND TELEMETRY EQUIPMENT PROVIDER.
13. EXISTING PANELBOARD '7AD'. PROVIDE ONE (1) 20A/1P CB IN PANELBOARD FOR TELEMETRY EQUIPMENT QUAD RECEPTACLE.
14. EXISTING VFD. UTILIZE EXISTING VFD FOR EXHAUST FAN 'EF-78'. PROVIDE CIRCUITRY FROM VFD TO 'EF-78' DISCONNECT SWITCH AS REQUIRED. REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ON DRAWING E-601 FOR CIRCUITRY REQUIREMENTS.



2 EP-101 ENLARGED PLAN - POWER

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

NORTH



3 EP-101 9TH FLOOR PARTIAL PLAN- POWER

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

NORTH

Revisions:	Date

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Drawing Title	Project Title	Project Number
PARTIAL 7TH & 9TH FLOOR POWER PLANS	RENOVATE 7W FOR PATIENT WARD	528A7-11-701
		Building Number: 1
Approved: Project Director	Location: VAMC SYRACUSE, NY	Drawing Number: EP-101
	Date: 12/14/2011 · Checked: CAL · Drawn: MAF	Dwg. 52 of 61

Office of Facilities Management

Department of Veterans Affairs

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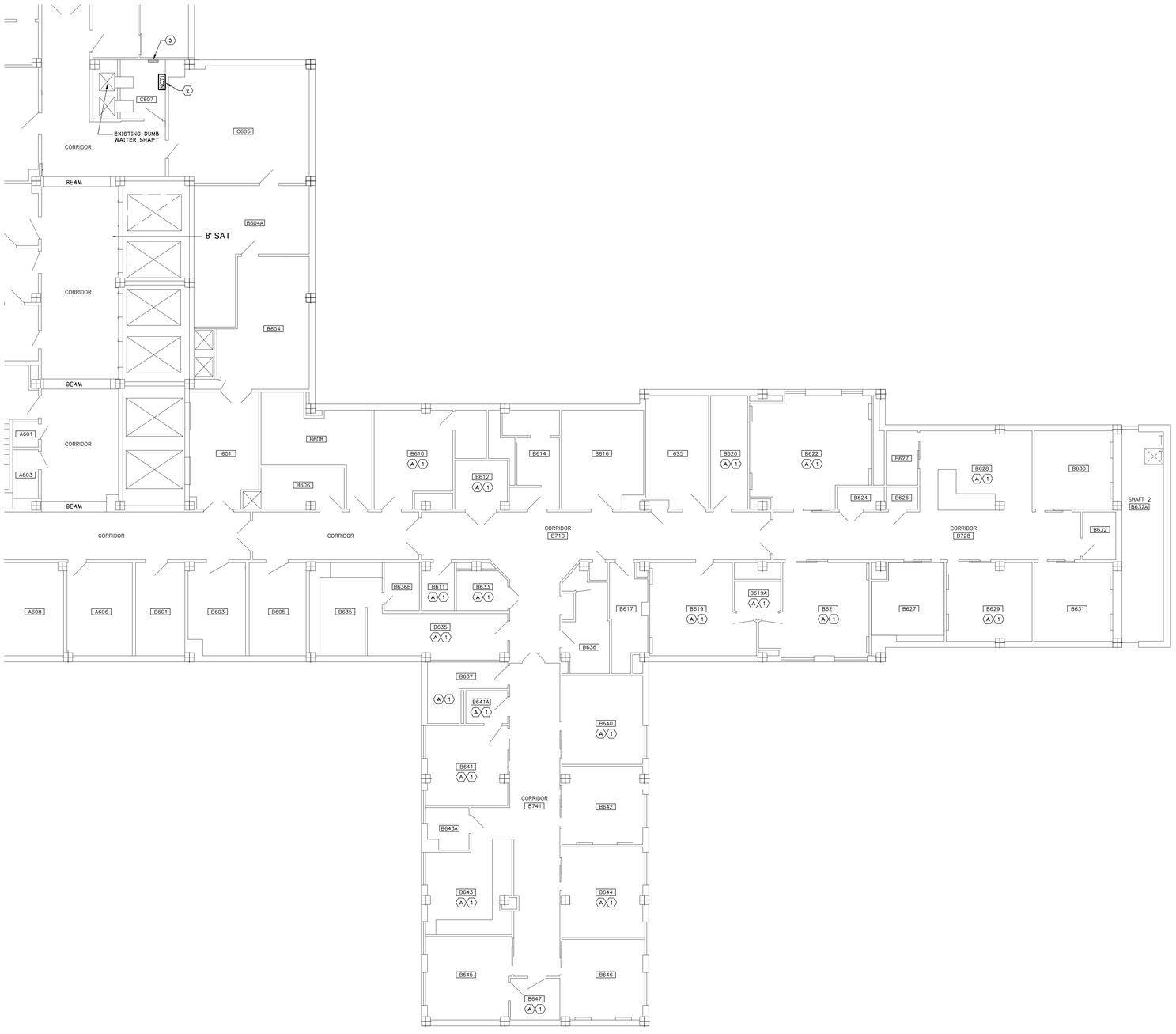

PARTIAL 6TH FLOOR - ELECTRICAL PLAN

1 / EP-102 SCALE: 1/8" = 1'-0"

NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY)

- REFER TO DRAWING E-502 FOR INFORMATION REGARDING NURSE CALL SYSTEM.
- REMOVE, REINSTALL AND/OR RELOCATE EXISTING CONDUITS, CABLE TRAYS, CABLING, JUNCTION BOXES, AND OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT ABOVE THE CEILING AS NECESSARY TO INSTALLATION OF DUCTWORK, PIPING, AND OTHER HVAC EQUIPMENT. RECONNECT EQUIPMENT TO EXISTING CIRCUITS, PROVIDE ALL WIRING, CONDUIT, JUNCTION BOXES, ETC., REQUIRED TO ACCOMPLISH SAME. FIELD VERIFY EXISTING CONDITIONS.

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY)

(A) REMOVE EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT (LOCATED IN THIS ROOM) AS REQUIRED TO PERMIT THE REMOVAL AND INSTALLATION OF HVAC/PLUMBING EQUIPMENT. RETAIN EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT FOR REINSTALLATION. EXISTING CIRCUITRY ASSOCIATED WITH REMOVED EQUIPMENT REMAINS FOR RECONNECTION. EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, FIRE ALARM EQUIPMENT, OCCUPANCY SENSORS, SECURITY SYSTEM DEVICES, DATA/COMMUNICATION EQUIPMENT, SPEAKERS, ETC. COORDINATE WORK WITH OTHER TRADES.

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY)

(1) REINSTALL EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT (EQUIPMENT REMOVED TO PERMIT THE HVAC/PLUMBING WORK) IN SAME LOCATION AS REMOVED. RECONNECT EXISTING CIRCUITRY AS REQUIRED. COORDINATE WORK WITH OTHER TRADES.

(2) PROVIDE NURSE CALL 6TH FLOOR HEAD-END CABINET. PROVIDE FIBER-OPTIC CABLING FROM HEAD-END CABINET DOWN TO EXISTING NURSE CALL HEAD-END CABINET LOCATED ON FOURTH FLOOR. REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING NURSE CALL HEAD-END CABINET AND ADDITIONAL INFORMATION. PROVIDE CIRCUITRY (2-#10 - #10 GND IN 3/4" C) FROM NURSE CALL CABINET POWER SUPPLY TO ONE (1) 20A/1P CIRCUIT BREAKER IN EXISTING LIFE SAFETY EMERGENCY PANELBOARD "ELS6A-A". CONTRACTOR SHALL UTILIZE EXISTING DUMB WAITER SHAFT TO ROUTE CIRCUITRY BETWEEN FLOORS.

(3) EXISTING LIFE SAFETY EMERGENCY PANELBOARD "ELS6A-A". PROVIDE ONE (1) 20A/1P CB IN PANELBOARD FOR 6TH FLOOR NURSE CALL SYSTEM HEAD-END CABINET.

Revisions		Date

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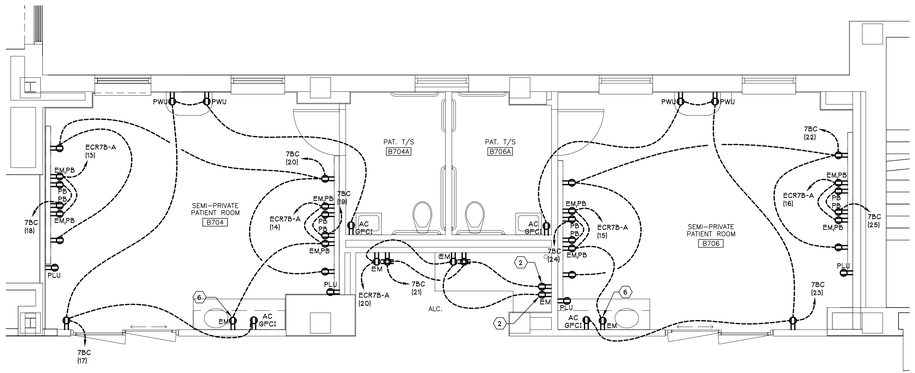
Drawing Title: PARTIAL 6TH FLOOR ELECTRICAL PLAN	Project Title: RENOVATE 7W FOR PATIENT WARD		Project Number: 528A7-11-701
			Building Number: 1
Approved: Project Director	Location: VAMC SYRACUSE, NY		Drawing Number: EP-102
	Date: 12/14/2011	Checked: CAL	Drawn: MAF
			Dwg. 53 of 61

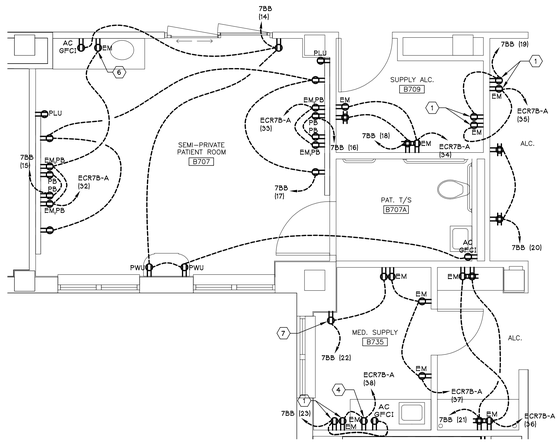
Office of Facilities Management

Department of Veterans Affairs

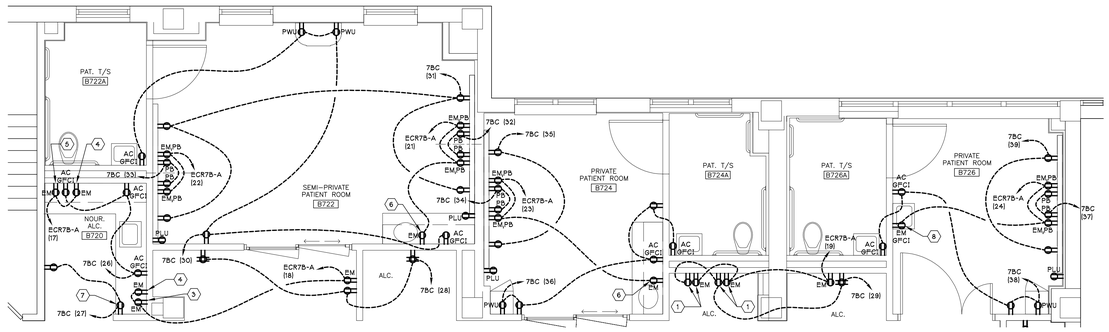
VA FORM 08-6231, OCT 1978



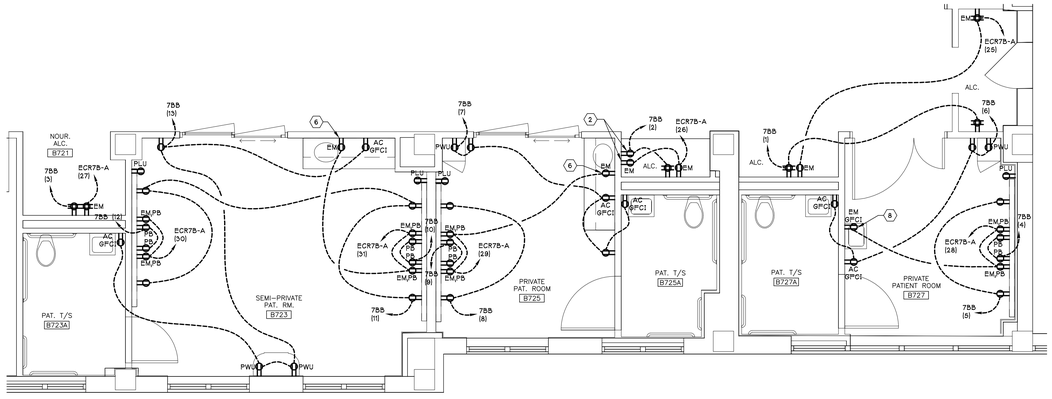
4 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH



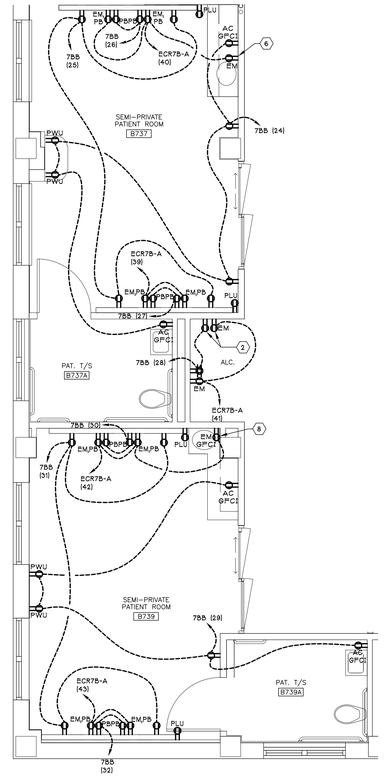
3 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH



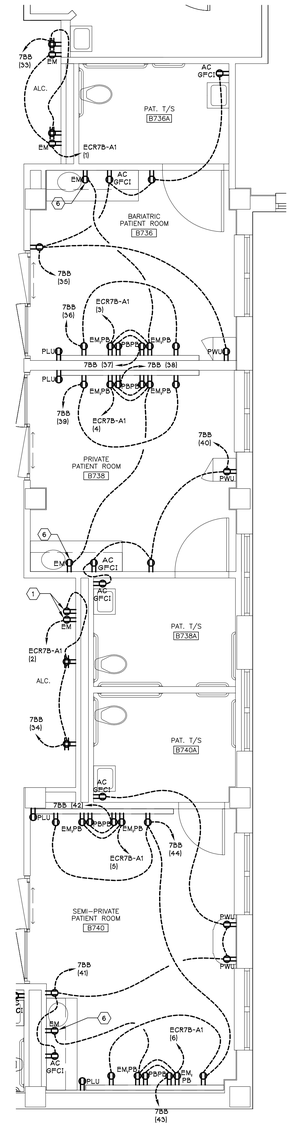
5 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH



6 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH



2 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH



1 EP-201 ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"
NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. UNLESS NOTED OTHERWISE, PROVIDE 2-#12 + #12 GND IN 3/4"C FOR 120V RECEPTACLE CIRCUITS. PROVIDE 2-#10 +#10 GND IN 3/4"C FOR 120V RECEPTACLE CIRCUITS GREATER THAN 100' IN LENGTH TO PANELBOARD.

B. REFER TO DRAWING EP-101 FOR LOCATIONS OF PANELBOARDS '7BB', '7BC', 'ECR7B-A' & 'ECR7B-A1'.

C. TO MAINTAIN DRAWING CLARITY, CIRCUITRY FOR PATIENT LIFTING UNIT RECEPTACLES HAS NOT BEEN SHOWN. CIRCUIT PATIENT LIFTING UNIT DUPLEX (PLU RECEPTACLES LOCATED IN ROOMS B704, B706, B707, B722, B723, B724, B725, B726 & B727) TO ONE (1) 20A/1P CIRCUIT BREAKER IN PANELBOARD '7BC' (CKT #15).

D. TO MAINTAIN DRAWING CLARITY, CIRCUITRY FOR PATIENT LIFTING UNIT RECEPTACLES HAS NOT BEEN SHOWN. CIRCUIT PATIENT LIFTING UNIT DUPLEX (PLU RECEPTACLES LOCATED IN ROOMS B736, B737, B738, B739 & B740) TO ONE (1) 20A/1P CIRCUIT BREAKER IN PANELBOARD '7BC' (CKT #16).

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

1. PROVIDE DUPLEX RECEPTACLES FOR MEDICAL STORAGE CABINET. COORDINATE RECEPTACLE MOUNTING HEIGHTS, AND EXACT LOCATIONS, WITH EQUIPMENT MANUFACTURER.
2. PROVIDE DUPLEX RECEPTACLES FOR TELEMETRY MONITOR(S). MOUNT RECEPTACLES @ 60" A.F.F. COORDINATE RECEPTACLE MOUNTING HEIGHTS, AND EXACT LOCATIONS, WITH TELEMETRY EQUIPMENT PROVIDER.
3. PROVIDE EM DUPLEX RECEPTACLE FOR ICE MAKER. COORDINATE RECEPTACLE MOUNTING HEIGHT, AND EXACT LOCATION, WITH VA COTR.
4. PROVIDE EM DUPLEX RECEPTACLES FOR U/C REFRIGERATOR.
5. PROVIDE EM DUPLEX RECEPTACLE FOR MICROWAVE. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.
6. PROVIDE EM DUPLEX RECEPTACLE FOR INFRARED SENSOR TRANSFORMER. MOUNT RECEPTACLE WITHIN MILLWORK PER PLUMBING CONTRACTOR'S DIRECTION.
7. PROVIDE DUPLEX RECEPTACLE FOR FRESHLOK SYSTEM. COORDINATE RECEPTACLE MOUNTING HEIGHT, AND EXACT LOCATION, WITH VA COTR.
8. PROVIDE EM GFCI DUPLEX RECEPTACLE FOR INFRARED SENSOR TRANSFORMER. MOUNT RECEPTACLE PER PLUMBING CONTRACTOR'S DIRECTION.

Revisions:	Date

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Drawing Title: PARTIAL 7TH FLOOR POWER ENLARGED PLANS

Approved: Project Director

Project Title: RENOVATE 7W FOR PATIENT WARD

Location: VAMC SYRACUSE, NY

Date: 12/14/2011 | Checked: CAL | Drawn: MAF

Project Number: 528A7-11-701

Building Number: 1

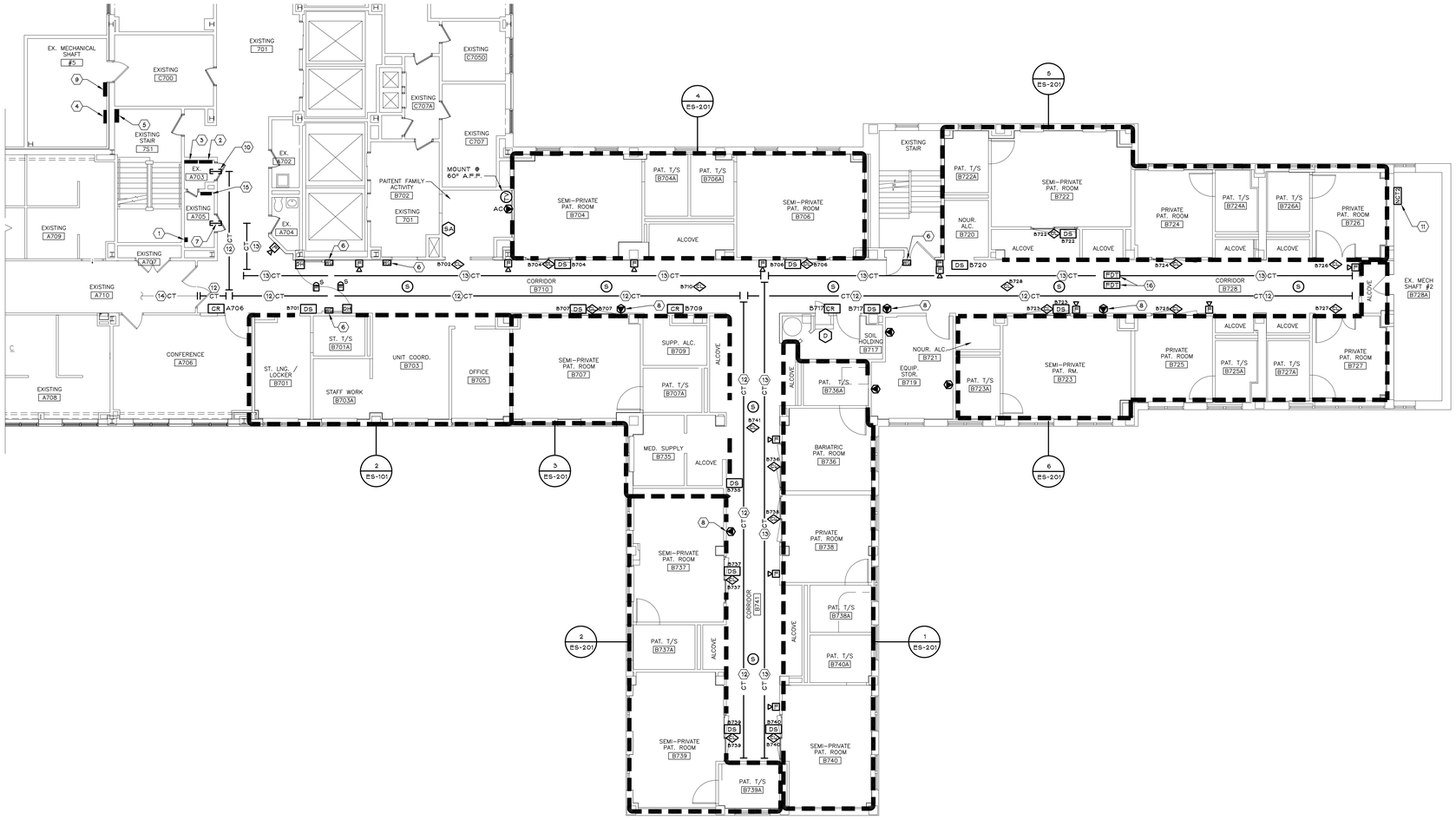
Drawing Number: EP-201

Dwg. 54 of 61

Office of Facilities Management

Department of Veterans Affairs

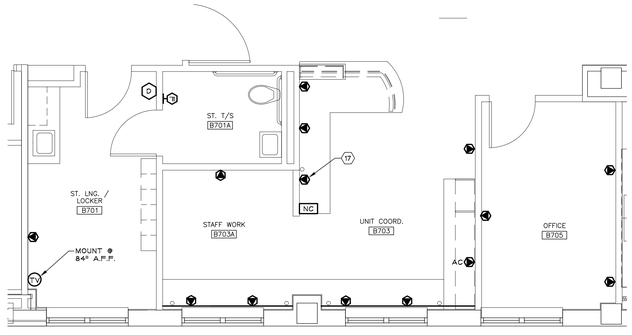
VA FORM 08-6231, OCT 1978



1 ES-101 PARTIAL 7TH FLOOR - ELECTRICAL SPECIALTY SYSTEMS PLAN

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

NORTH



2 ES-101 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. REFER TO DRAWINGS E-503 & E-503 FOR INFORMATION REGARDING NURSE CALL SYSTEM, MATV SYSTEM, PAGING SYSTEM, CABLE TRAY AND TELECOMMUNICATION SYSTEMS (DATA/TELEPHONE).

B. REFER TO FIRE ALARM SYSTEM NOTES ON DRAWING E-001 FOR INFORMATION REGARDING FIRE ALARM SYSTEM COMPONENTS.

C. REFER TO ELECTRONIC PHYSCIAL ACCESS CONTROL SYSTEM NOTES ON DRAWING E-001 FOR INFORMATION REGARDING ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM COMPONENTS.

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

1. EXISTING 7TH FLOOR INTERCOMMUNICATION SYSTEM WIRING BLOCKS.
2. EXISTING 7TH FLOOR INTERMEDIATE DATA DISTRIBUTION FRAME.
3. EXISTING 7TH FLOOR INTERMEDIATE TELEPHONE DISTRIBUTION FRAME 'IT-T1'. SHOWN FOR REFERENCE ONLY.
4. EXISTING 7TH FLOOR MATV SYSTEM.
5. EXISTING 'ES1' FIRE ALARM PANEL.
6. PROVIDE DEPARTURE ALERT SYSTEM FOR EXIT DOOR. REFER TO DEPARTURE ALERT SYSTEM NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
7. PROVIDE EMPTY 3" SLEEVE THRU MASONRY WALL (ABOVE ACCESSIBLE CEILING) FOR ROUTING OF TELEMETRY CABLING. COORDINATE SLEEVE LOCATION WITH ARCHITECT & TELEMETRY EQUIPMENT PROVIDER.
8. PROVIDE COMBINATION DATA & TELEPHONE PORT FOR WALL MOUNTED COMPUTER. COORDINATE PORT MOUNTING HEIGHTS, AND EXACT LOCATION, WITH ARCHITECT.
9. PROVIDE MATV SYSTEM DISTRIBUTION AMPLIFIER AND FOUR-WAY SPLITTER. COORDINATE EXACT MOUNTING LOCATION WITH VA COTR.
10. PROVIDE EMPTY 4" SLEEVE THRU MASONRY WALL (ABOVE ACCESSIBLE CEILING) FOR ROUTING OF TELECOMMUNICATION (DATA) CABLING.
11. PROVIDE CIRCUITRY (2-#10 + #10 GND IN 3/4" C) FROM NURSE CALL CABINET POWER SUPPLY TO ONE (1) 20A/1P CIRCUIT BREAKER IN EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'ELSL-7'.
12. PROVIDE 4" X 12" CABLE TRAY FOR TELECOMMUNICATION CABLING (DATA/TELEPHONE). INSTALL CABLE TRAY ABOVE ACCESSIBLE CEILING. PRIOR TO ROUGH-IN, COORDINATE INSTALLATION WITH OTHER TRADES.
13. REINSTALL EXISTING CABLE TRAY (ABOVE ACCESSIBLE CEILING) FOR TELEMETRY CABLING. CONTRACTOR SHALL PROVIDE ADDITIONAL CABLE TRAY AS REQUIRED TO COMPLETE RUNS AS SHOWN. FOR BIDDING PURPOSES, ALLOW FOR 75' OF 4"X12" CABLE TRAY. GROUND AND BOND ALL SECTIONS OF CABLE TRAY AS REQUIRED. PRIOR TO ROUGH-IN, COORDINATE INSTALLATION WITH OTHER TRADES AND TELEMETRY EQUIPMENT PROVIDER PRIOR TO ORDERING ADDITIONAL CABLE TRAY, FIELD VERIFY SIZE.
14. APPROXIMATE LOCATION OF EXISTING CABLE TRAY. GROUND AND BOND EXISTING CABLE TO TELECOMMUNICATION CABLE TRAYS PROVIDED UNDER THIS CONTRACT.
15. EXISTING 7TH FLOOR DOOR ACCESS CONTROL PANEL.
16. REINSTALL EXISTING FIRE ALARM DUCT DETECTOR TESTING STATION. RECESS MOUNT TESTING STATION IN ACCESSIBLE CEILING. RECONNECT EXISTING CIRCUITRY.
17. PROVIDE COMBINATION DATA & TELEPHONE PORT FOR TELEMETRY EQUIPMENT. COORDINATE PORT MOUNTING HEIGHTS, AND EXACT LOCATION, WITH ARCHITECT AND TELEMETRY EQUIPMENT PROVIDER.

Revisions:		Date

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Drawing Title	PARTIAL 7TH FLOOR ELECTRICAL SPECIALTY SYSTEMS PLAN
Approved: Project Director	
Project Title	RENOVATE 7W FOR PATIENT WARD
Location	VAMC SYRACUSE, NY
Date	12/14/2011
Checked	CAL
Drawn	MAF
Project Number	528A7-11-701
Building Number	1
Drawing Number	ES-101
	Dwg. 55 of 61

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

GENERAL RENOVATION NOTE (FOR THIS DRAWING ONLY):

A. REFER TO DRAWING E-503 FOR INFORMATION REGARDING NURSE CALL SYSTEM.

B. REFER TO DRAWINGS E-502 & E-503 FOR INFORMATION AND TELECOMMUNICATION SYSTEM (TELEPHONE).

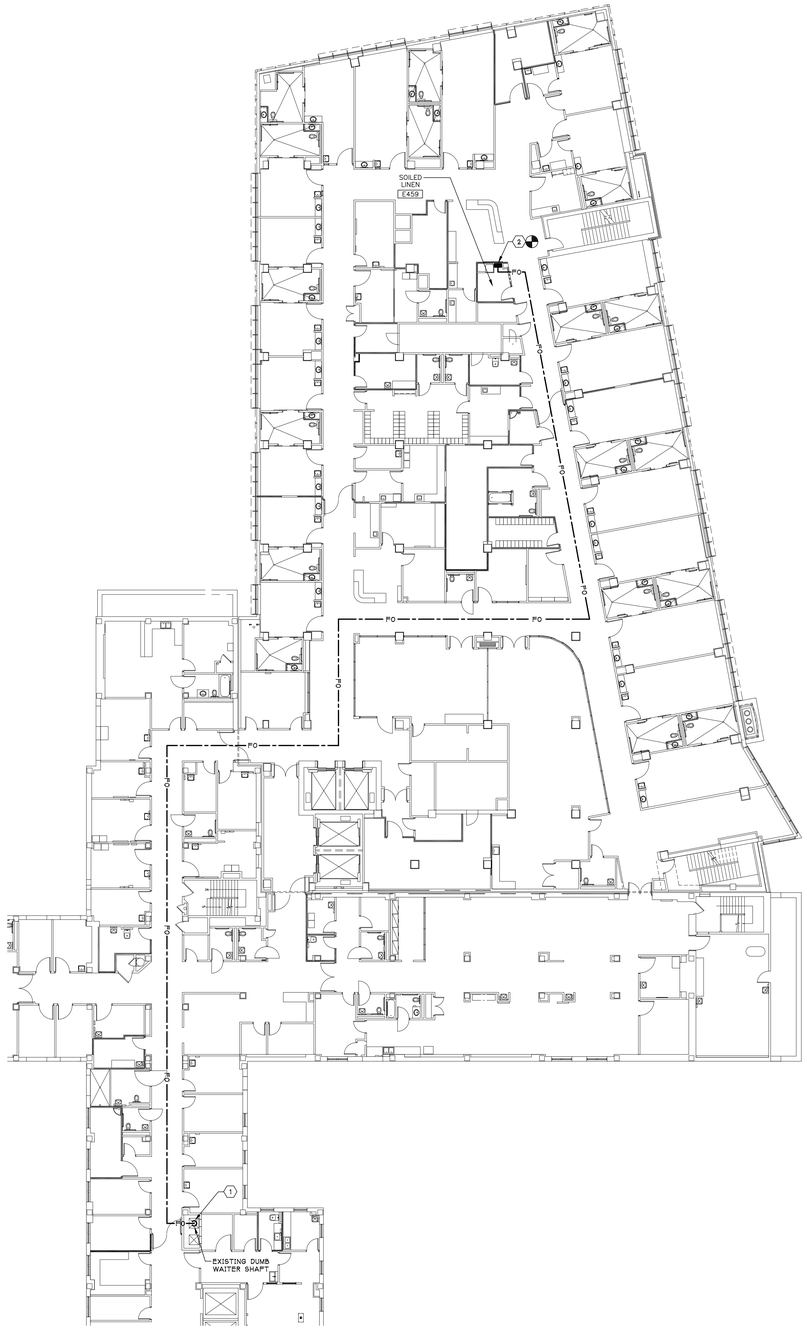
KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

1. PROVIDE FIBER-OPTIC CABLING UP TO NURSE CALL 6TH FLOOR HEAD-END CABINET REFER TO DRAWING EP-102 FOR LOCATION OF NURSE CALL 6TH FLOOR HEAD-END CABINET.
2. APPROXIMATE LOCATION OF EXISTING NURSE CALL HEAD-END CABINET.
3. APPROXIMATE LOCATION OF EXISTING CABLE TRAY. UTILIZE EXISTING CABLE TRAY FOR 7TH FLOOR WEST WING TELEPHONE CABLE ROUTING.
4. APPROXIMATE LOCATION OF EXISTING SPARE 4" SLEEVE. UTILIZE EXISTING SLEEVE FOR 7TH FLOOR WEST WING TELEPHONE CABLE ROUTING.
5. APPROXIMATE LOCATION OF EXISTING CABLE TRAY. SHOWN FOR REFERENCE ONLY.
6. EXISTING 7TH FLOOR INTERMEDIATE TELEPHONE DISTRIBUTION FRAME 'IT-T2'.

KEY TO SYMBOLS (FOR THIS DRAWING ONLY):

CONNECTION TO EXISTING

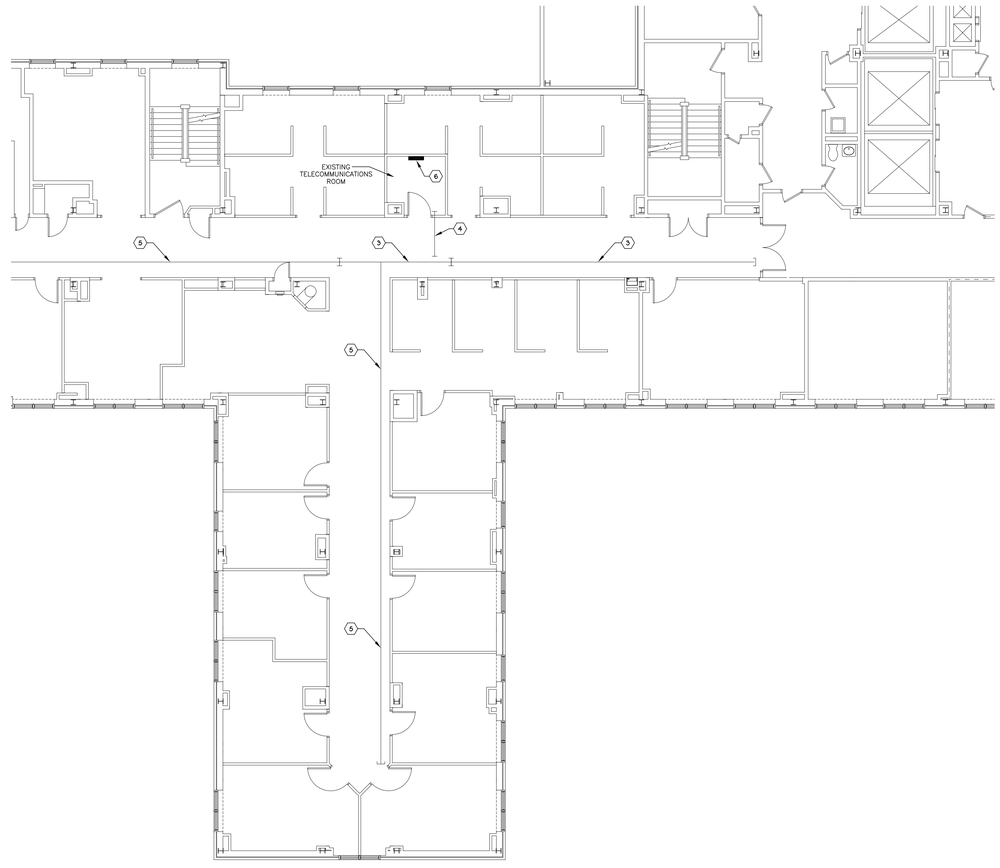
—FO— PROVIDE FIBER-OPTIC CABLING FOR NURSE CALL SYSTEM. ROUTE CABLING IN 1" CONDUIT ABOVE ACCESSIBLE CEILING. PROVIDE LONG, SWEEPING CONDUIT BENDS AS REQUIRED. ROUTING PATH IS APPROXIMATE. FIELD VERIFY PRIOR TO COMMENCING WORK.



1 ES-102 PARTIAL 4TH FLOOR - ELECTRICAL SPECIALTY SYSTEMS PLAN

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

NORTH



2 ES-103 PARTIAL 7TH FLOOR EAST WING - ELECTRICAL SPECIALTY SYSTEMS PLAN

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

NORTH

Revisions:		Date

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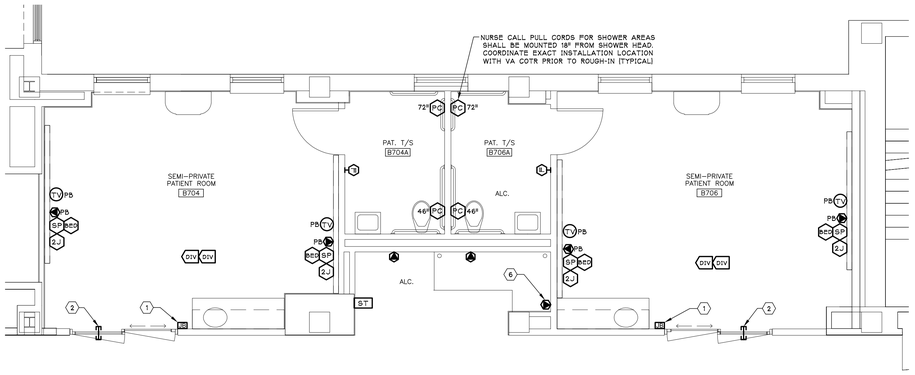
INTEGRATED PROJECT DELIVERY
ONE WEBSTER'S LANDING
SYRACUSE, NEW YORK 13202
315.423.0185

Drawing Title	Project Title	Project Number
PARTIAL 4TH & 7TH FLOOR ELECTRICAL SPECIALTY SYSTEMS PLAN	RENOVATE 7W FOR PATIENT WARD	528A7-11-701
Approved: Project Director	Location: VAMC SYRACUSE, NY	Building Number: 1
	Date: 12/14/2011 · Checked: CAL · Drawn: MAF	Drawing Number: ES-102 Dwg. 56 of 61

Office of Facilities Management

Department of Veterans Affairs

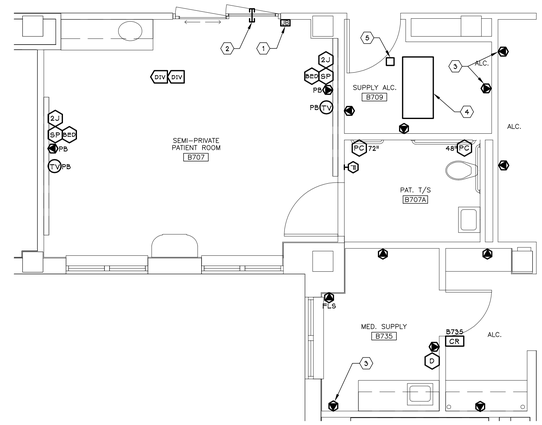
VA FORM 08-6231, OCT 1978



4 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

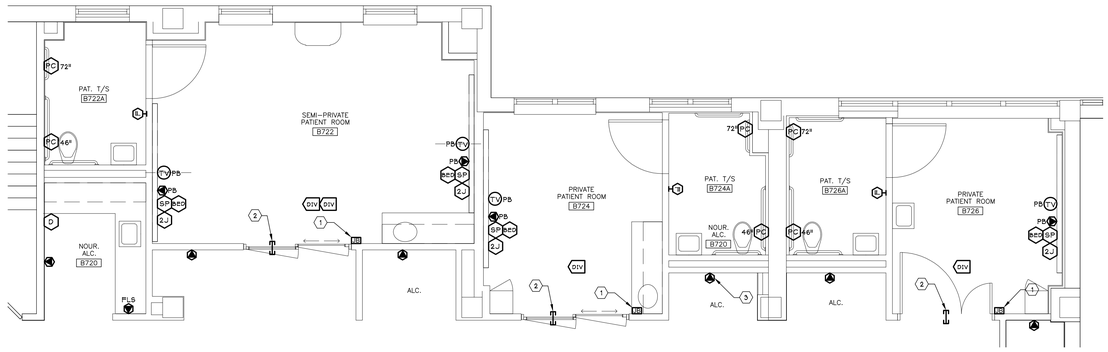
NORTH



3 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

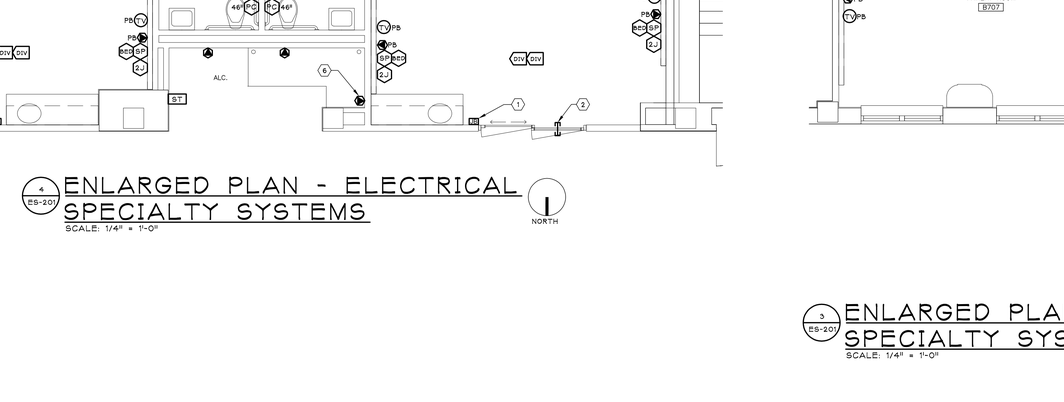
NORTH



5 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

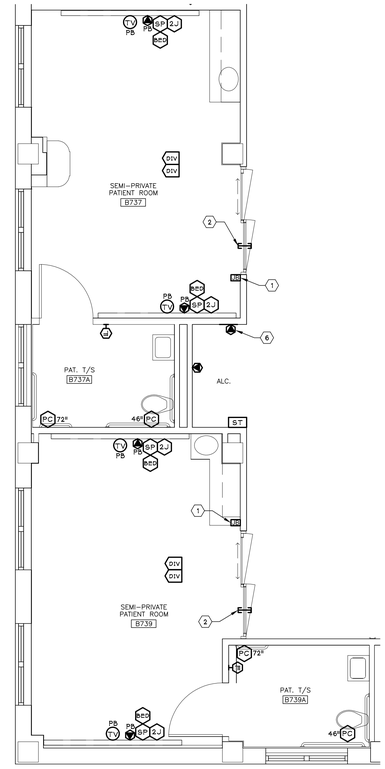
NORTH



6 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

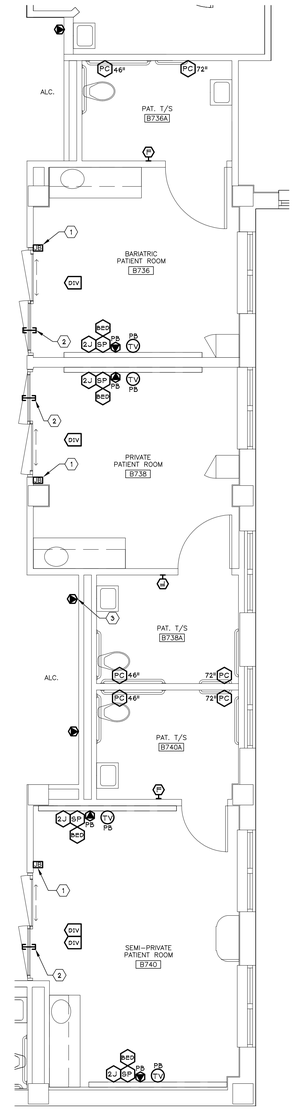
NORTH



2 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

NORTH



1 ES-201 ENLARGED PLAN - ELECTRICAL SPECIALTY SYSTEMS

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

NORTH

GENERAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. REFER TO DRAWINGS E-502 & E-503 FOR INFORMATION REGARDING NURSE CALL SYSTEM, MATV SYSTEM, AND TELECOMMUNICATION SYSTEMS (DATA/TELEPHONE).

B. REFER TO FIRE ALARM SYSTEM NOTES ON DRAWING E-001 FOR INFORMATION REGARDING FIRE ALARM SYSTEM COMPONENTS.

C. REFER TO ELECTRONIC PHYSCIAL ACCESS CONTROL SYSTEM NOTES ON DRAWING E-001 FOR INFORMATION REGARDING ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM COMPONENTS.

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

1. PROVIDE EMPTY ELECTRICAL BOX FOR FUTURE NURSE CALL SYSTEM 4-BUTTON STATION. RECESS MOUNT BOX AT 48" A.F.F. PROVIDE ¾" EMPTY CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING. COORDINATE BOX SIZE REQUIREMENTS WITH NURSE CALL SYSTEM MANUFACTURER.
2. PROVIDE EMPTY 1" SLEEVE THRU WALL (ABOVE ACCESSIBLE CEILING) FOR ROUTING OF TELEMETRY CABLING. COORDINATE SLEEVE LOCATION WITH TELEMETRY EQUIPMENT PROVIDER.
3. PROVIDE COMBINATION DATA & TELEPHONE PORT FOR MEDICAL STORAGE CABINET. COORDINATE PORT MOUNTING HEIGHT, AND EXACT LOCATION, WITH EQUIPMENT MANUFACTURER.
4. PROVIDE MATV SYSTEM POWER SUPPLIES (#1, #2 & #3). MOUNT POWER SUPPLIES ABOVE ACCESSIBLE CEILING. COORDINATE EXACT MOUNTING LOCATIONS WITH VA COTR PRIOR TO INSTALLATION. LABEL LOCATIONS OF POWER SUPPLIES ON ACCESSIBLE CEILING TILE. COORDINATE LABELING REQUIREMENTS WITH VA COTR.
5. PROVIDE MATV SYSTEM FOUR OUTPUT DIRECTIONAL TAP. MOUNT TAP ABOVE ACCESSIBLE CEILING. COORDINATE EXACT MOUNTING LOCATIONS WITH VA COTR PRIOR TO INSTALLATION. LABEL LOCATIONS OF DIRECTIONAL TAPS ON ACCESSIBLE CEILING TILE. COORDINATE LABELING REQUIREMENTS WITH VA COTR.
6. PROVIDE COMBINATION DATA & TELEPHONE PORT FOR TELEMETRY EQUIPMENT. COORDINATE PORT MOUNTING HEIGHTS, AND EXACT LOCATION, WITH ARCHITECT AND TELEMETRY EQUIPMENT PROVIDER.

Revisions:		Date

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INTEGRATED PROJECT DELIVERY
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SYRACUSE, NEW YORK 13202
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Drawing Title: PARTIAL 7TH FLOOR ELECTRICAL SPECIALTY SYSTEMS ENLARGED PLANS

Approved: Project Director

Project Title: RENOVATE 7W FOR PATIENT WARD

Location: VAMC SYRACUSE, NY

Date: 12/14/2011 | Checked: CAL | Drawn: MAF

Project Number: 528A7-11-701

Building Number: 1

Drawing Number: ES-201

Dwg. 57 of 61

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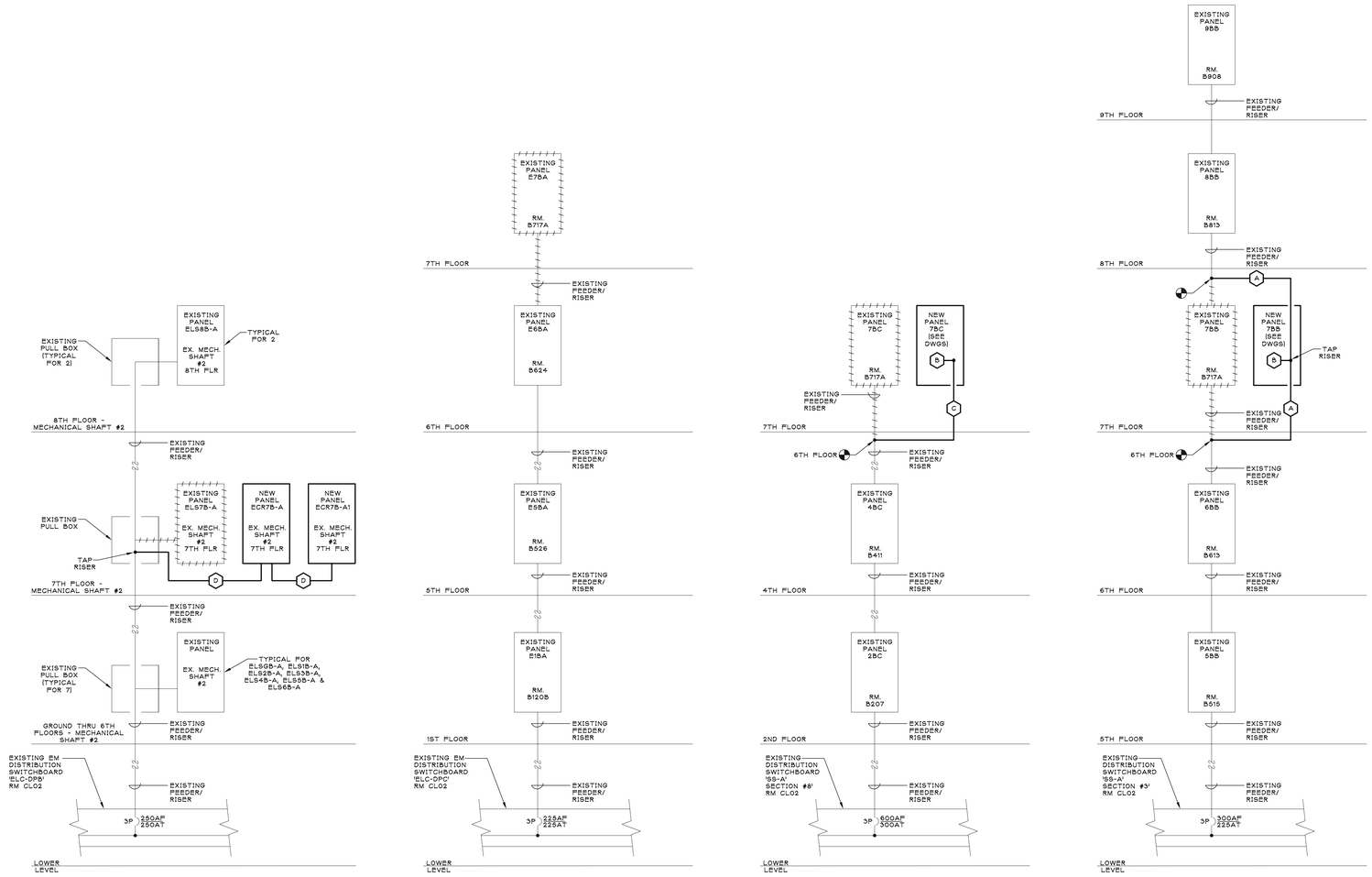

PARTIAL POWER DISTRIBUTION DIAGRAM

SCALE: NONE

FEEDER SCHEDULE	
A	PROVIDE: 4 - 350 KCMIL + #3 GND IN 3" CONDUIT
B	PROVIDE: 4 - #1 AWG + #6 GND IN 1-1/2" CONDUIT (TAP FROM RISER)
C	PROVIDE: 4 - 500 KCMIL + #3 GND IN 3-1/2" CONDUIT
D	PROVIDE: 4 - 250 KCMIL + #4 GND IN 2-1/2" CONDUIT

LEGEND (FOR PARTIAL POWER DISTRIBUTION DIAGRAM ONLY)

- NEW EQUIPMENT
- EXISTING EQUIPMENT TO REMAIN
- EXISTING EQUIPMENT TO BE REMOVED/REWORKED
- CONNECTION TO EXISTING REFER TO EXISTING FEEDERS RECONNECTION NOTE ON THIS DRAWING FOR ADDITIONAL INFORMATION
- (A) INDICATES FEEDER, A = FEEDER SIZE REFER TO FEEDER SCHEDULE ON THIS DRAWING

EXISTING FEEDERS RECONNECTION NOTE:

RECONNECT FEEDERS TO THEIR RESPECTIVE PANELBOARD LUGS. PROVIDE NECESSARY MODIFICATIONS TO EXISTING WIRING AND CONDUITS AS REQUIRED TO RECONNECT FEEDERS TO PANELBOARDS. PROVIDE NECESSARY WIREWAYS, JUNCTION BOXES, SPLICES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED TO COMPLETE RECONNECTION.

Revisions:		Date

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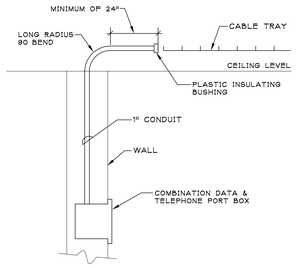
ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185

Drawing Title	ELECTRICAL DIAGRAMS
Approved: Project Director	
Project Title	RENOVATE 7W FOR PATIENT WARD
Location	VAMC SYRACUSE, NY
Date	12/14/2011
Checked	CAL
Drawn	MAF
Project Number	528A7-11-701
Building Number	1
Drawing Number	E-501
	Dwg. 58 of 61

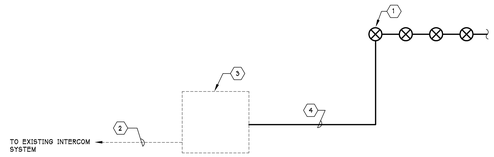
Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



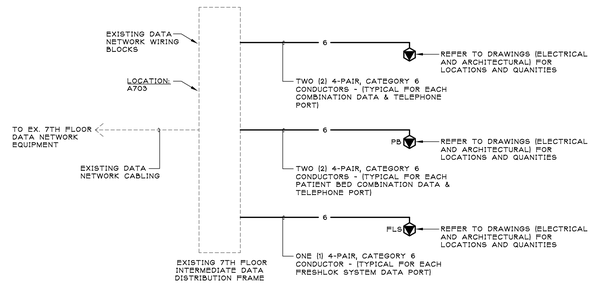
TYPICAL COMBINATION DATA & TELEPHONE PORT CONDUIT DETAIL
SCALE: NONE



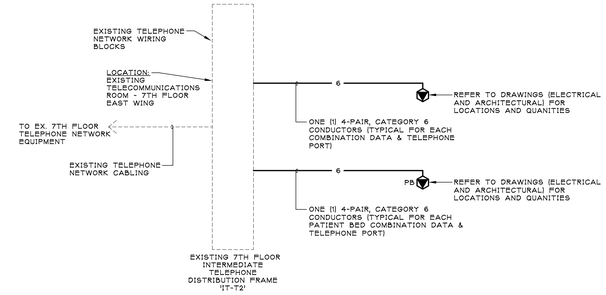
INTERCOMMUNICATION SYSTEM DETAIL
SCALE: NONE

KEYED NOTES (FOR INTERCOMMUNICATION SYSTEM DETAIL ONLY)

1. TYPICAL CORRIDOR PAGING SPEAKER WITH EACH FLOOR, AREA, OR ROOM INDIVIDUALLY ZONED. CIRCUIT PAGING SPEAKERS TOGETHER AS REQUIRED TO CREATE A ZONE. REFER TO CONTRACT DRAWINGS FOR SPEAKER LOCATIONS AND SPEAKER TYPES REQUIRED.
2. EXISTING INTERCOM SYSTEM CONTROL WIRING REMAINS.
3. EXISTING INTERCOM SYSTEM 7th FLOOR WIRING BLOCKS REMAIN. REFER TO CONTRACT DRAWING ES-101 FOR LOCATION OF EXISTING WIRING BLOCKS.
4. PROVIDE SPEAKER WIRING IN 3/4" C FROM WIRING BLOCKS TO SPEAKER(S) PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.



DATA RISER DIAGRAM
SCALE: NONE



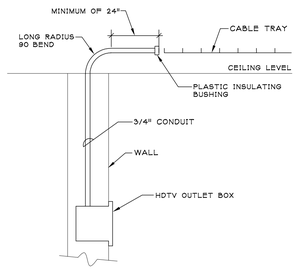
TELEPHONE RISER DIAGRAM
SCALE: NONE

KEY TO SYMBOLS (FOR DATA RISER DIAGRAM ONLY)

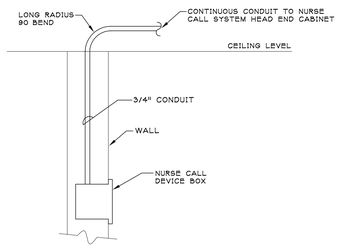
—6—	4-PAIR, CATEGORY 6 CONDUCTORS
	TYPICAL COMBINATION DATA & TELEPHONE PORT (TWO DATA JACKS PER PORT)
PB	TYPICAL PATIENT BED COMBINATION DATA & TELEPHONE PORT (TWO DATA JACKS PER PORT)
FLS	TYPICAL FRESHLOK SYSTEM DATA PORT TELEPHONE PORT (ONE DATA JACK PER PORT)

KEY TO SYMBOLS (FOR TELEPHONE RISER DIAGRAM ONLY)

—6—	4-PAIR, CATEGORY 6 CONDUCTORS
	TYPICAL COMBINATION DATA & TELEPHONE PORT (ONE TELEPHONE JACK PER PORT)
PB	TYPICAL PATIENT BED COMBINATION DATA & TELEPHONE PORT (ONE TELEPHONE JACK PER PORT)
- - - - -	EXISTING EQUIPMENT TO REMAIN



TYPICAL HDTV OUTLET CONDUIT DETAIL
SCALE: NONE



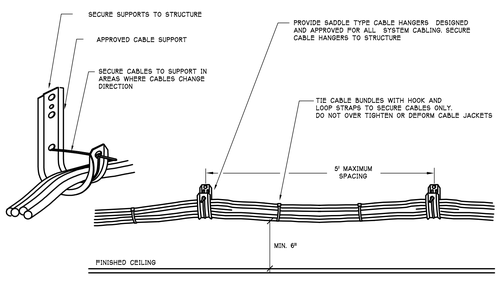
TYPICAL NURSE CALL DEVICE CONDUIT DETAIL
SCALE: NONE

DATA SYSTEM SCOPE OF WORK

1. PRIOR TO COMMENCING WORK, COORDINATE WITH VA TELECOMMUNICATION PERSONNEL.
2. PROVIDE GROUNDING AS REQUIRED.
3. PROVIDE RACEWAYS, BOXES, CABLE TRAY, ETC. AS REQUIRED.
4. PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO DATA JACKS AS INDICATED.
5. PROVIDE COMBINATION DATA & TELEPHONE PORTS (DATA JACKS) AS INDICATED.
5. PROVIDE PATIENT BED COMBINATION DATA & TELEPHONE PORTS (DATA JACKS) AS INDICATED.
5. PROVIDE FRESHLOK SYSTEM DATA PORT AS INDICATED.
6. PROVIDE TERMINATIONS, TESTING AND LABELING IN COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.

TELEPHONE SYSTEM SCOPE OF WORK

1. PRIOR TO COMMENCING WORK, COORDINATE WITH VA TELECOMMUNICATION PERSONNEL.
2. PROVIDE GROUNDING AS REQUIRED.
3. PROVIDE RACEWAYS, BOXES, CABLE TRAY, ETC. AS REQUIRED.
4. PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO TELEPHONE JACKS AS INDICATED.
5. PROVIDE COMBINATION DATA & TELEPHONE PORTS (TELEPHONE JACKS) AS INDICATED.
5. PROVIDE PATIENT BED COMBINATION DATA & TELEPHONE PORTS (TELEPHONE JACKS) AS INDICATED.
6. PROVIDE TERMINATIONS, TESTING AND LABELING IN COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.



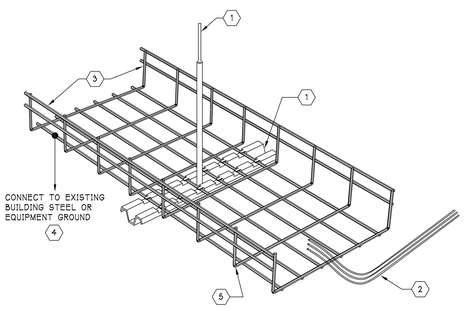
TYPICAL J-HOOK INSTALLATION DETAIL
SCALE: NONE

GENERAL NOTES (FOR TYPICAL J-HOOK INSTALLATION DETAIL ONLY)

A. LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE REMOVABLE CEILINGS TO MAINTAIN CLEARANCE ALONG WALLS WHERE POSSIBLE. LOCATE IN AREAS THAT ARE ACCESSIBLE.

B. USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.

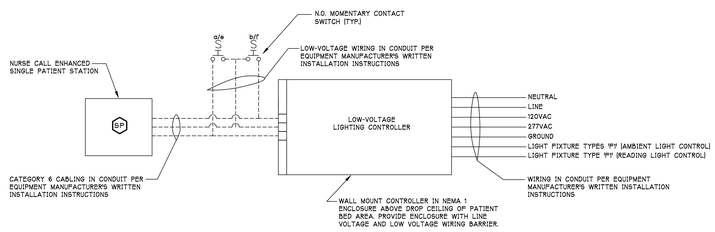
C. REFER TO SPECIFICATIONS FOR ADDITIONAL CABLE INSTALLATION REQUIREMENTS.



TYPICAL CABLE TRAY INSTALLATION DETAIL
SCALE: NONE

KEYED NOTES (FOR CABLE TRAY INSTALLATION DETAIL ONLY)

1. PROVIDE HANGER AND SUPPORT HARDWARE ATTACHED TO BUILDING STRUCTURE. PROVIDE COMPONENTS PER MANUFACTURERS RECOMMENDATIONS. ALL SUPPORT HANGERS SHALL SUPPORT THE FULL WIDTH OF CABLE TRAY AT RECOMMENDED INTERVALS. MOUNTING SYSTEM SHOWN FOR INFORMATION ONLY, ACTUAL SYSTEM MAY DIFFER.
2. LOCATE CABLE TRAY AND CABLING FOR UNRESTRICTED ACCESS TO CABLE TRAY TOP. MOUNT CABLE TRAY TO PROVIDE MINIMUM 12" ACCESS ABOVE CABLE TRAY TOP.
3. PROVIDE CONTINUOUS CABLE TRAY USING MANUFACTURERS APPROVED FITTINGS FOR ALL TRANSITIONS.
4. PROVIDE ELECTRICAL GROUND CONNECTION PER ANSI J-STD 607 REQUIREMENTS. PROVIDE MINIMUM #6 AWG GROUND CONDUCTOR AND APPROVED GROUNDING HARDWARE TO BOND CABLE TRAY SEGMENTS TO FORM A CONTINUOUS GROUNDING PATH. GROUND TO CLOSEST EXISTING ELECTRICAL GROUND.
5. PROVIDE "WATERFALL" DEVICE TO PROTECT CABLE BUNDLES WHERE THEY EXIT IN A DOWNWARD DIRECTION.



LOW-VOLTAGE LIGHTING CONTROLLER DETAIL
SCALE: NONE

GENERAL NOTES (FOR LOW-VOLTAGE LIGHTING CONTROLLER DETAIL ONLY)

A. WIRE DIAGRAM IS FOR REFERENCE ONLY. REFER TO LIGHTING DRAWINGS FOR EXACT SWITCHING LAYOUT.

B. PROVIDE TWO (2) CIRCUIT LOW VOLTAGE CONTROLLER WITH INTERFACE TO BUILDING NURSE CALL SYSTEM AND UL LISTED (508) HEALTHCARE LIGHTING 1203 LVC OR EQUAL.

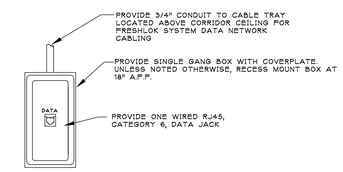
C. PROVIDE CATEGORY 6 CABLING, LOW VOLTAGE POWER CONDUCTORS, 120V POWER CONDUCTORS AND RACEWAYS AS INDICATED. ALL CIRCUITRY SHALL BE INSTALLED PER EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

D. PROVIDE GROUNDING AS REQUIRED.

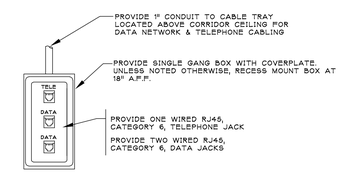
E. PROVIDE CONDUCTOR/CABLING TERMINATIONS AS REQUIRED.

F. PROVIDE ALL COMPONENTS, BOXES, RACEWAYS, WIRING, ETC. AS REQUIRED TO PROVIDE A PROPERLY FUNCTIONING LOW-VOLTAGE LIGHTING CONTROL SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.

G. FOLLOWING COMPLETION OF WORK, CONTRACTOR SHALL TEST ALL DEVICES AND CABLING FOR PROPER OPERATION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY IMPROPERLY FUNCTIONING DEVICE AND CABLING.



TYPICAL FRESHLOK SYSTEM DATA PORT DETAIL
SCALE: NONE



NOTE FOR PATIENT BED COMBINATION DATA & TELELPHONE PORT:

PROVIDE SIMILAR EQUIPMENT FOR PATIENT BED COMBINATION DATA & TELELPHONE PORTS. COORDINATE BOX AND FACEPLATE REQUIREMENTS WITH PATIENT BED LOCATOR MANUFACTURER PRIOR TO ORDERING.

TYPICAL COMBINATION DATA & TELEPHONE PORT DETAIL
SCALE: NONE

Revisions:		Date

CONSULTANTS:

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SYRACUSE, NEW YORK 13202
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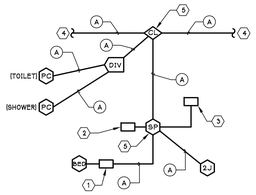
Drawing Title: ELECTRICAL DIAGRAMS	Project Title: RENOVATE 7W FOR PATIENT WARD		Project Number: 528A7-11-701
			Building Number: 1
Approved: Project Director	Location: VAMC SYRACUSE, NY		Drawing Number: E-502
	Date: 12/14/2011	Checked: CAL	Drawn: MAF

Office of Facilities Management
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

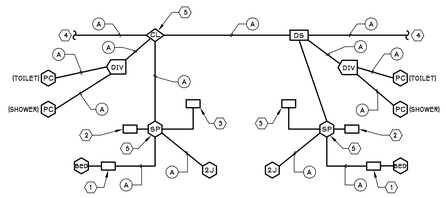
Dwg. 59 of 61



NOTE: THE ABOVE WIRING DIAGRAM APPLIES TO NURSE CALL SYSTEM EQUIPMENT LOCATED IN THE FOLLOWING ROOMS: B724, B724A, B725, B725A, B726, B726A, B727, B727A, B736, B736A, B738 & B738A.

TYPICAL PRIVATE PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAM

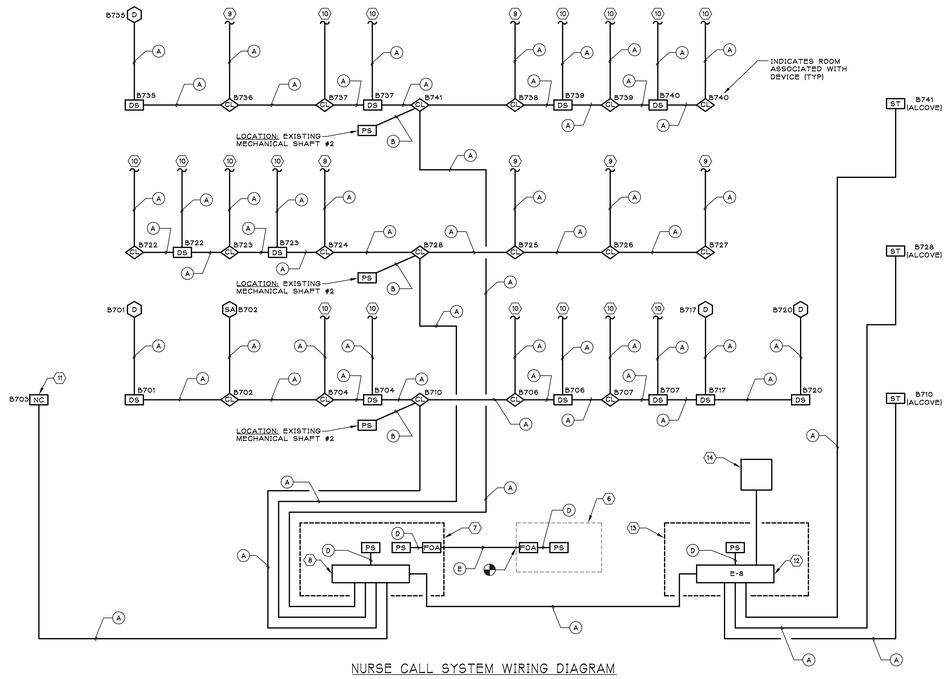
SCALE: NONE



NOTE: THE ABOVE WIRING DIAGRAM APPLIES TO NURSE CALL SYSTEM EQUIPMENT LOCATED IN THE FOLLOWING ROOMS: B704, B704A, B706, B706A, B707, B707A, B722, B722A, B723, B723A, B737, B737A, B739, B739A, B740 & B740A.

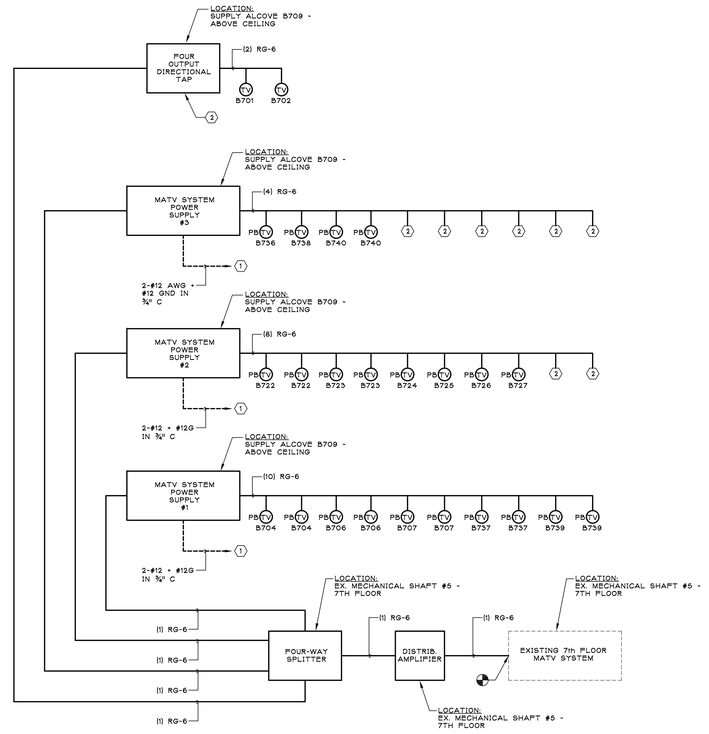
TYPICAL SEMI-PRIVATE PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAM

SCALE: NONE



NURSE CALL SYSTEM WIRING DIAGRAM

SCALE: NONE



MATV SYSTEM RISER DIAGRAM

SCALE: NONE

NURSE CALL SYSTEM EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	DESIGN BASIS	ACCEPT. MFR'S.	REMARKS
SP	ENHANCED SINGLE PATIENT STATION (W/ CODE BLUE)	COORDINATE WITH ARCHITECTURAL ELEVATIONS	RAULAND-BORG PART #: 353001	NO SUBSTITUIONS	-
PC	PULL CORD STATION WITH AUDIO	WALL MOUNT (SEE DWGS)	RAULAND-BORG PART #: 354000	NO SUBSTITUIONS	REFER TO REFERENCE NOTE #1
2J	NON-AUDIO UNIVERSAL INTERFACE MODULE (2-JACK STATION)	COORDINATE WITH ARCHITECTURAL ELEVATIONS	RAULAND-BORG PART #: 354018	NO SUBSTITUIONS	-
DIV	M-NET DIVIDER MODULE	MOUNT ABOVE ACCESSIBLE CEILING	RAULAND-BORG PART #: 350005	NO SUBSTITUIONS	-
RBS	37-PIN FEATURE BED RECEPTACLE	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: NCBED	NO SUBSTITUIONS	MOUNT BED RECEPTACLE IN BED LOCATOR (STAFF SIDE) PER MANUFACTURER'S INSTRUCTIONS
CL	CORRIDOR LIGHT - 4 POSITION	CEILING MOUNT	RAULAND-BORG PART #: 352000	NO SUBSTITUIONS	-
D	DUTY STATION	COORDINATE WITH ARCHITECTURAL ELEVATIONS	RAULAND-BORG PART #: 353100	NO SUBSTITUIONS	-
NC	VOIP NURSE CONSOLE	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 351200	NO SUBSTITUIONS	-
ST	STAFF TERMINAL	COORDINATE WITH ARCHITECTURAL ELEVATIONS	RAULAND-BORG PART #: 351300	NO SUBSTITUIONS	-
DS	DOMELESS CORRIDOR CONTROLLER W/ AUDIO	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 352020	NO SUBSTITUIONS	-
NCT1	6TH FLOOR HEAD END CABINET (SURFACE MOUNT)	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: NC2828	NO SUBSTITUIONS	-
NCT2	7TH FLOOR HEAD END CABINET (SURFACE MOUNT)	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 351102	NO SUBSTITUIONS	-
E-8	8 PORT ETHERNET SWITCH	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 351004	NO SUBSTITUIONS	-
PS	POWER SUPPLIES WITH BATTERY BACKUP	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 351003	NO SUBSTITUIONS	-
POA	FIBER OPTIC ADAPTER MODULE	PER MANUFACTURER'S INSTRUCTIONS	RAULAND-BORG PART #: 351006	NO SUBSTITUIONS	-
SA	STAFF ASSIST STATION	COORDINATE WITH ARCHITECTURAL ELEVATIONS	RAULAND-BORG PART #: 354012	NO SUBSTITUIONS	-

IN ADDITION TO THE EQUIPMENT LISTED ABOVE, PROVIDE THE FOLLOWING ADDITIONAL EQUIPMENT FOR NURSE CALL SYSTEM (NO SUBSTITUTIONS):

- ONE (1) BRANCH REGIONAL CONTROLLER (RAULAND-BORG PART #: 351000).
- TWENTY-TWO (22) FEATURE BED CONTROL MODULE (RAULAND-BORG PART #: 350302).
- TWENTY-TWO (22) STANDARD PILLOW SPEAKERS - 2 LIGHTS (RAULAND-BORG PART #: 350222).
- ONE (1) PC CONSOLE WITH SOFTWARE FOR ADDITIONAL 25 BEDS (RAULAND-BORG PART #: 346103).
- L-NET T-TAP MODULES (RAULAND-BORG PART #: 350002) - PROVIDE QUANTITIES AS REQUIRED
- L-NET TERMINATION RESISTOR (RAULAND-BORG PART #: 350003) - PROVIDE QUANTITIES AS REQUIRED
- CRIMPING TOOL ADAPTERS (RAULAND-BORG PART #: 350006) - PROVIDE QUANTITIES AS REQUIRED
- R4K CONNECTOR CRIMPING TOOLS (RAULAND-BORG PART #: R4KCRIMP) - PROVIDE QUANTITIES AS REQUIRED
- ONE (1) REPORTS MANAGER NURSE CALL (25) BEDS (RAULAND-BORG PART #: 346100)
- 8-PIN IN-LINE CONNECTORS CAT 5, CAT 6 (RAULAND-BORG PART #: 350018) - PROVIDE QUANTITIES AS REQUIRED
- UNINTERRUPTIBLE POWER SUPPLIES - REFER TO SPECIFICATION SECTION 27 52 23 FOR UPS REQUIREMENTS.

GENERAL NOTES (FOR NURSE CALL EQUIPMENT SCHEDULE ONLY):

A. PROVIDE SPARE PARTS FOR NURSE CALL SYSTEM PER SPECIFICATION SECTION 27 52 23.

REFERENCE NOTES (FOR NURSE CALL EQUIPMENT SCHEDULE ONLY):

1. PROVIDE EXTRA-LONG PULL CORDS FOR UNITS INSTALLED IN PATIENT TOILET ROOM SHOWER AREAS.

NURSE CALL SYSTEM SCOPE OF WORK:

1. COORDINATE WORK WITH VA COTR.
2. PROVIDE PC CONSOLE, AND SOFTWARE, FOR COMMUNICATION BETWEEN EXISTING NURSE CALL SYSTEM AND NURSE CALL SYSTEM PROVIDED UNDER THIS CONTRACT. COORDINATE PC CONSOLE INSTALLATION LOCATION WITH VA COTR.
3. PROVIDE NURSE CALL SYSTEM EQUIPMENT WHERE SHOWN ON FLOOR PLANS AND DIAGRAMS.
4. PROVIDE FIBER OPTIC CABLING, CATEGORY 6 CABLING, LOW VOLTAGE POWER CONDUCTORS AND RACEWAYS AS INDICATED.
5. PROVIDE GROUNDING AS REQUIRED.
6. PROVIDE CONDUCTOR/CABLING TERMINATIONS AS REQUIRED.
7. PROVIDE BACK BOXES FOR NURSE CALL SYSTEM EQUIPMENT PER EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
8. PROVIDE ALL COMPONENTS, BOXES, RACEWAYS, WIRING, ETC. FOR NURSE CALL SYSTEM, NECESSARY TO PROVIDE A PROPERLY FUNCTIONING SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.
9. FOLLOWING COMPLETION OF WORK, CONTRACTOR SHALL TEST ALL DEVICES AND CABLING FOR PROPER OPERATION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY IMPROPERLY FUNCTIONING DEVICE AND CABLING.

GENERAL NOTES (FOR NURSE CALL SYSTEM WIRING DIAGRAM & TYPICAL PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAMS (PRIVATE AND SEMI-PRIVATE) ONLY):

A. VERIFY AND COORDINATE EQUIPMENT LOCATIONS AND QUANTITIES WITH CONTRACT DOCUMENTS INCLUDING FLOOR PLANS AND DETAILS.

B. NURSE CALL SYSTEM EQUIPMENT AND ASSOCIATED CABLING SHALL BE INSTALLED PER EQUIPMENT MANUFACTURER'S (RAULAND-BORG) WRITTEN INSTALLATION INSTRUCTIONS.

C. TO MAINTAIN DRAWING CLARITY, NOT ALL NURSE CALL SYSTEM EQUIPMENT HAS BEEN SHOWN ON FLOOR PLANS OR DIAGRAMS. REFER TO NURSE CALL SYSTEM EQUIPMENT SCHEDULE FOR ADDITIONAL EQUIPMENT REQUIREMENTS.

D. CONTRACTOR MUST EMPLOY SYRACUSE TIME & ALARM CO., INC. TO PROVIDE THE FOLLOWING WORK: EXPAND/UPDATE PROGRAM OF THE EXISTING RAULAND-BORG RESPONDER 5 NURSE CALL SYSTEM FOR CONTROL OF THE 7TH FLOOR WEST WING NURSE CALL SYSTEM EQUIPMENT INSTALLED UNDER THIS CONTRACT. IN ADDITION TO THIS PROGRAMMING, SYRACUSE TIME & ALARM CO, INC. SHALL PROGRAM THE 7TH FLOOR - WEST WING NURSE CALL SYSTEM EQUIPMENT TO SUITE THE NEEDS OF THE VA MEDICAL STAFF.

E. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NURSE CALL SYSTEM SYSTEM EQUIPMENT AND ASSOCIATED CIRCUITRY AS SHOWN ON THE CONTRACT DRAWINGS AND IN SPECIFICATIONS. ALL WORK ASSOCIATED WITH NURSE CALL SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF A SYRACUSE TIME & ALARM CO, INC. REPRESENTATIVE.

F. SYRACUSE TIME & ALARM CO, INC. CONTACT INFORMATION IS AS FOLLOWS: SYRACUSE TIME & ALARM CO, INC., CHARLES SAUNDERS (SAUDER), 2301 BUNDY AVENUE, SYRACUSE, NEW YORK 13206, TELEPHONE NUMBER (315) 433-1234.

CABLE SCHEDULE

A	PROVIDE: CATEGORY 6 CABLING IN ¾" CONDUIT
B	PROVIDE: 2 - #12-#16 AWG 3/4" CONDUIT (WIRE SIZE VARIES BASED ON CONDUCTOR LENGTH. COORDINATE SIZE WITH NURSE CALL MANUFACTURER)
C	PROVIDE: 2 - #12 AWG 3/4" CONDUIT
D	PROVIDE: 3 - #12-#16 AWG 3/4" CONDUIT (WIRE SIZE VARIES BASED ON CONDUCTOR LENGTH. COORDINATE SIZE WITH NURSE CALL MANUFACTURER)
E	PROVIDE: FIBER OPTIC CABLING IN 3/4" CONDUIT (COORDINATE FIBER OPTIC CABLING AND CONDUIT REQUIREMENTS WITH NURSE CALL MANUFACTURER)

KEY TO SYMBOLS (FOR NURSE CALL SYSTEM WIRING DIAGRAM & TYPICAL PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAMS (PRIVATE AND SEMI-PRIVATE) ONLY):

- CONNECTION TO EXISTING
- NEW EQUIPMENT
- EXISTING EQUIPMENT TO REMAIN
- (A) INDICATES CABLING, A + CABLE REQUIREMENTS REFER TO CABLE SCHEDULE ON THIS DRAWING

NOTE:

REFER TO NURSE CALL EQUIPMENT SCHEDULE ON THIS DRAWING FOR ADDITIONAL INFORMATION

KEYED NOTES (FOR NURSE CALL SYSTEM WIRING DIAGRAM & TYPICAL PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAMS (PRIVATE AND SEMI-PRIVATE) ONLY):

1. PROVIDE FEATURE BED CONTROL MODULE AT PATIENT BED.
2. PROVIDE STANDARD PILLOW SPEAKER FOR ENHANCED SINGLE PATIENT STATION.
3. PROVIDE LOW-VOLTAGE LIGHTING CONTROLLER FOR TYPE "H" LIGHT FIXTURE. REFER TO LOW-VOLTAGE LIGHTING CONTROLLER WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
4. TO NURSE CALL CORRIDOR LIGHT. REFER TO NURSE CALL SYSTEM WIRING DIAGRAM FOR ADDITIONAL INFORMATION
5. PROVIDE EARTH GROUNDING FOR ENHANCED SINGLE PATIENT STATION BACK BOX PER NURSE CALL SYSTEM MANUFACTURER'S RECOMMENDATIONS.
6. EXISTING NURSE CALL HEAD-END CABINET. PROVIDE POWER SUPPLY AND FIBER OPTIC ADAPTER IN EXISTING CABINET AS REQUIRED.
7. PROVIDE NURSE CALL 6TH FLOOR HEAD-END CABINET. PROVIDE POWER SUPPLIES, FIBER OPTIC ADAPTER MODULE AND BRANCH REGIONAL CONTROLLER IN CABINET AS REQUIRED.
8. PROVIDE BRANCH REGIONAL CONTROLLER.
9. TO NURSE CALL SYSTEM EQUIPMENT LOCATED IN PRIVATE PATIENT ROOM AND PAT. T/S. REFER TO TYPICAL PRIVATE PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
10. TO NURSE CALL SYSTEM EQUIPMENT LOCATED IN SEMI-PRIVATE PATIENT ROOM AND PAT. T/S. REFER TO TYPICAL SEMI-PRIVATE PATIENT ROOM NURSE CALL SYSTEM WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
11. PROVIDE RECEPTACLE FOR VOIP NURSE CONSOLE AS REQUIRED. COORDINATE RECEPTACLE MOUNTING LOCATION WITH ARCHITECT.
12. PROVIDE 8-PORT ETHERNET SWITCH.
13. PROVIDE NURSE CALL 7TH FLOOR HEAD-END CABINET. PROVIDE POWER SUPPLIES AND 8-PORT ETHERNET SWITCH IN CABINET AS REQUIRED.
14. PROVIDE PC CONSOLE.

MATV SYSTEM SCOPE OF WORK:

1. COORDINATE WORK WITH VA COTR.
2. PROVIDE MATV POWER SUPPLIES, FOUR-WAY SPLITTER, DISTRIBUTION AMPLIFIER AND FOUR OUTPUT DIRECTIONAL TAP WHERE INDICATED ON FLOOR PLANS.
3. PROVIDE HDTV OUTLETS & PATIENT BED HDTV OUTLETS WHERE INDICATED ON PLANS.
4. PROVIDE PLENUM RATED RG-6/U COAXIAL CABLES WITH SOLID COPPER CENTER CORE AND COPPER SHIELD
5. COAXIAL CABLE LENGTHS SHALL NOT EXCEED 150' IN LENGTH BETWEEN COMPONENTS.
6. PROVIDE TYPE "F" CONNECTORS AND TERMINATIONS AS REQUIRED.
7. PROVIDE MATV POWER SUPPLIES AND PATIENT BED HDTV OUTLETS IN STRICT ACCORDANCE WITH MATV SYSTEM MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
8. FOLLOWING COMPLETION OF WORK, CONTRACTOR SHALL TEST ALL DEVICES AND CABLING (OUTLETS, AMPLIFIERS, COUPLERS, ETC.) FOR PROPER OPERATION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY IMPROPERLY FUNCTIONING DEVICE AND CABLING.
9. PROVIDE ALL COMPONENTS AND WIRING, FOR MATV SYSTEM, NECESSARY TO PROVIDE A PROPERLY FUNCTIONING SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.

KEY TO SYMBOLS (FOR CATV RISER DIAGRAM ONLY)

- TV ? — HDTV OUTLET; ? = INDICATES ROOM/LOCATION
- PB TV ? — PATIENT BED HDTV OUTLET; ? = INDICATES ROOM/LOCATION
- (#) RG-6 — INDICATES NUMBER OF RG-6 COAXIAL CABLES REQUIRED.
- CONNECTION TO EXISTING
- NEW EQUIPMENT
- EXISTING EQUIPMENT TO REMAIN

GENERAL NOTES (FOR MATV RISER DIAGRAM ONLY):

A. VERIFY AND COORDINATE OUTLET TYPES, LOCATIONS AND QUANTITIES WITH CONTRACT DOCUMENTS INCLUDING FLOOR PLANS.

B. SIZE THE DISTRIBUTION AMPLIFIER AND FOUR-WAY SPLITTER TO DELIVER SIGNAL STRENGTH (TO EACH TELEVISION PER MATV SYSTEM MANUFACTURER'S RECOMMENDATIONS. IF REQUIRED, PROVIDE ADDITIONAL DISTRIBUTION AMPLIFIERS TO ACHIEVE DB REQUIREMENTS.

KEYED NOTES (FOR MATV RISER DIAGRAM ONLY):

1. CIRCUIT MATV POWER SUPPLY (120V CIRCUIT) TO 20A/1P CB IN PANELBOARD 'EC87B-A' REFER TO DRAWING EP-101 FOR PANELBOARD LOCATION.
2. PROVIDE TERMINATION(S) FOR TV OUTPUT(S) WHICH ARE UNUSED.

Revisions:		Date

CONSULTANTS:

LICENSED PROFESSIONAL ENGINEER — SAMUEL J. COLABELLA — No. 085524 — STATE OF NEW YORK

ARCHITECT/ENGINEERS:

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INTEGRATED PROJECT DELIVERY
ONE WEBSTER'S LANDING, SYRACUSE, NEW YORK 13202, 315.423.0185

Drawing Title	ELECTRICAL DIAGRAMS
Approved: Project Director	
Project Title	RENOVATE 7W FOR PATIENT WARD
Location	VAMC SYRACUSE, NY
Date	12/14/2011
Checked	CAL
Drawn	MAF
Project Number	528A7-11-701
Building Number	1
Drawing Number	E-503
	Dwg. 60 of 61

Office of Facilities Management
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

PANELBOARD SCHEDULE

PANEL: 7BB
SOURCE: EX. SWITCHBOARD 'ISS-A - SECTION #3'
LOCATION: SEE DWGS
MOUNTING: SURFACE
FEEDER: 4 - #1 AWG + #6 GND IN 1-1/2" CONDUIT
BUS: 225A
KAIC (RMS SYM): 22
MAIN: 125 MCB
VOLTS: 208/120V
PHASE: 3
WIRE: 4

CKT#	DESCRIPTION	MOTOR	LTG.	RECEPT.	CB	CKT#		CKT#	CB	RECEPT.	LTG.	MOTOR	DESCRIPTION	CKT#
1	RECEPTS. - CORRIDOR B728 ALCOVE			X	20A/1P	1		2	20A/1P	X			RECEPTS. - CORRIDOR B728 ALCOVE	2
3	RECEPTS. - RM B721			X	20A/1P	3		4	20A/1P	X			RECEPTS. - RM B727	4
5	RECEPTS. - RM B727			X	20A/1P	5		6	20A/1P	X			RECEPTS. - RMS B727 & B727A	6
7	RECEPTS. - RMS B725 & B725A			X	20A/1P	7		8	20A/1P	X			RECEPTS. - RM B725	8
9	RECEPTS. - RM B725			X	20A/1P	9		10	20A/1P	X			RECEPTS. - RM B723	10
11	RECEPTS. - RM B723			X	20A/1P	11		12	20A/1P	X			RECEPTS. - RM B723	12
13	RECEPTS. - RMS B723 & B723A			X	20A/1P	13		14	20A/1P	X			RECEPTS. - RMS B707 & B707A	14
15	RECEPTS. - RM B707			X	20A/1P	15		16	20A/1P	X			RECEPTS. - RM B707	16
17	RECEPTS. - RM B707			X	20A/1P	17		18	20A/1P	X			RECEPTS. - RM B709	18
19	RECEPTS. - RM B709			X	20A/1P	19		20	20A/1P	X			RECEPTS. - CORRIDOR B741 ALCOVE	20
21	RECEPTS. - CORRIDOR B741 ALCOVE			X	20A/1P	21		22	20A/1P	X			RECEPTS. - RM B735	22
23	RECEPTS. - RM B735			X	20A/1P	23		24	20A/1P	X			RECEPTS. - RMS B737 & B737A	24
25	RECEPTS. - RM B737			X	20A/1P	25		26	20A/1P	X			RECEPTS. - RM B737	26
27	RECEPTS. - RM B737			X	20A/1P	27		28	20A/1P	X			RECEPTS. - CORRIDOR B741 ALCOVE	28
29	RECEPTS. - RMS B739 & B739A			X	20A/1P	29		30	20A/1P	X			RECEPTS. - RM B739	30
31	RECEPTS. - RM B739			X	20A/1P	31		32	20A/1P	X			RECEPTS. - RM B739	32
33	RECEPTS. - CORRIDOR B741 ALCOVE			X	20A/1P	33		34	20A/1P	X			RECEPTS. - CORRIDOR B741 ALCOVE	34
35	RECEPTS. - RMS B736 & B736A			X	20A/1P	35		36	20A/1P	X			RECEPTS. - RM B736	36
37	RECEPTS. - RM B736			X	20A/1P	37		38	20A/1P	X			RECEPTS. - RM B738	38
39	RECEPTS. - RM B738			X	20A/1P	39		40	20A/1P	X			RECEPTS. - RMS B738 & B738A	40
41	RECEPTS. - RMS B740 & B740A			X	20A/1P	41		42	20A/1P	X			RECEPTS. - RM B740	42
43	RECEPTS. - RM B740			X	20A/1P	43		44	20A/1P	X			RECEPTS. - RM B740	44
45	LTS. - RMS (SEE DWGS)		X		20A/1P	45		46	20A/1P	X			LTS. - RMS (SEE DWGS)	46
47	LTS. - RMS (SEE DWGS)		X		20A/1P	47		48	20A/1P				SPARE	48
49	SPARE				20A/1P	49		50	20A/1P				SPARE	50
51	SPARE				20A/1P	51		52	20A/1P				SPARE	52
53	SPARE				20A/1P	53		54	20A/1P				SPARE	54

PANELBOARD SCHEDULE

PANEL: 7BC
SOURCE: EX. SWITCHBOARD 'ISS-A - SECTION #3'
LOCATION: SEE DWGS
MOUNTING: SURFACE
FEEDER: 4 - #1 AWG + #6 GND IN 1-1/2" CONDUIT
BUS: 225A
KAIC (RMS SYM): 22
MAIN: 125 MCB
VOLTS: 208/120V
PHASE: 3
WIRE: 4

CKT#	DESCRIPTION	MOTOR	LTG.	RECEPT.	CB	CKT#		CKT#	CB	RECEPT.	LTG.	MOTOR	DESCRIPTION	CKT#
1	RECEPTS. - RM B702			X	20A/1P	1		2	20A/1P	X			RECEPTS. - RM B701	2
3	RECEPTS. - RMS B701 & B701A			X	20A/1P	3		4	20A/1P	X			RECEPTS. - RMS B703 & B703A	4
5	RECEPTS. - RM B703			X	20A/1P	5		6	20A/1P	X			RECEPTS. - RMS B703 & B705	6
7	RECEPTS. - RM B703			X	20A/1P	7		8	20A/1P	X			RECEPTS. - RM B703	8
9	RECEPTS. - RM B705			X	20A/1P	9		10	20A/1P	X			RECEPTS. - RM B719	10
11	RECEPTS. - RMS B717 & B719			X	20A/1P	11		12	20A/1P	X			RECEPTS. - 7W CORRIDOR	12
13	RECEPTS. - 7W CORRIDOR WALL COMPUTER			X	20A/1P	13		14	20A/1P	X			RECEPTS. - 7W CORRIDOR WALL COMPUTER	14
15	RECEPTS. - PATIENT LIFTING UNITS (PLU)			X	20A/1P	15		16	20A/1P	X			RECEPTS. - PATIENT LIFTING UNITS (PLU)	16
17	RECEPTS. - RMS B704 & B704A			X	20A/1P	17		18	20A/1P	X			RECEPTS. - RM B704	18
19	RECEPTS. - RM B704			X	20A/1P	19		20	20A/1P	X			RECEPTS. - RM B704	20
21	RECEPTS. - CORRIDOR B710 ALCOVE			X	20A/1P	21		22	20A/1P	X			RECEPTS. - RM B706	22
23	RECEPTS. - RMS B706 & B706A			X	20A/1P	23		24	20A/1P	X			RECEPTS. - RM B706	24
25	RECEPTS. - RM B706			X	20A/1P	25		26	20A/1P	X			RECEPTS. - RM B720	26
27	RECEPTS. - RM B720			X	20A/1P	27		28	20A/1P	X			RECEPTS. - CORRIDOR B728 ALCOVE	28
29	RECEPTS. - CORRIDOR B728 ALCOVE			X	20A/1P	29		30	20A/1P	X			RECEPTS. - RMS B722 & B722A	30
31	RECEPTS. - RM B722			X	20A/1P	31		32	20A/1P	X			RECEPTS. - RM B722	32
33	RECEPTS. - RM B722			X	20A/1P	33		34	20A/1P	X			RECEPTS. - RM B724	34
35	RECEPTS. - RM B724			X	20A/1P	35		36	20A/1P	X			RECEPTS. - RMS B724 & B724A	36
37	RECEPTS. - RM B726			X	20A/1P	37		38	20A/1P	X			RECEPTS. - RMS B726 & B726A	38
39	RECEPTS. - RM B726			X	20A/1P	39		40	20A/1P		X		LTS. - RMS B701, B702, B703, B703A, B705, B709	40
41	LTS. - RMS B717, B719, CORRIDOR B710		X		20A/1P	41		42	20A/1P		X		LTS. - CORRIDOR B741	42
43	LTS. - CORRIDOR B728		X		20A/1P	43		44	20A/1P				SPARE	44
45	SPARE				20A/1P	45		46	20A/1P				SPARE	46
47	SPARE				20A/1P	47		48	20A/1P				SPARE	48
49	SPACE				1P	49		50						50
51	SPACE				1P	51		52	3P				SPACE	52
53	SPACE				1P	53		54						54

PANELBOARD SCHEDULE

PANEL: ECR7B-A
SOURCE: EX. BM SWITCHBOARD 'ELC-DPB'
LOCATION: SEE DWGS
MOUNTING: SURFACE
FEEDER: 4 - 250 KCMIL + #4 GND IN 2-1/2" CONDUIT
BUS: 225A
KAIC (RMS SYM): 22
MAIN: 225 MCB W/ SUB-FEED LUGS
VOLTS: 208/120V
PHASE: 3
WIRE: 4

CKT#	DESCRIPTION	MOTOR	LTG.	RECEPT.	CB	CKT#		CKT#	CB	RECEPT.	LTG.	MOTOR	DESCRIPTION	CKT#
1	MATV POWER SUPPLY #1				20A/1P	1		2	20A/1P				MATV POWER SUPPLY #2	2
3	MATV POWER SUPPLY #3				20A/1P	3		4	20A/1P	X			RECEPTS. - RMS B701 & B702 (TVS)	4
5	RECEPTS. - RMS B703 & B703A			X	20A/1P	5		6	20A/1P	X			RECEPTS. - RM B703	6
7	RECEPTS. - RM B703			X	20A/1P	7		8	20A/1P	X			RECEPTS. - RM B705	8
9	RECEPTS. - RM B719			X	20A/1P	9		10	20A/1P	X			RECEPTS. - RM B719	10
11	RECEPTS. - 7W CORRIDOR WALL COMPUTER			X	20A/1P	11		12	20A/1P	X			RECEPTS. - 7W CORRIDOR WALL COMPUTER	12
13	RECEPTS. - RM B704			X	20A/1P	13		14	20A/1P	X			RECEPTS. - RM B704	14
15	RECEPTS. - RM B706			X	20A/1P	15		16	20A/1P	X			RECEPTS. - RM B706	16
17	RECEPTS. - RM B720			X	20A/1P	17		18	20A/1P	X			RECEPTS. - RM B720	18
19	RECEPTS. - CORRIDOR B728 ALCOVE			X	20A/1P	19		20	20A/1P	X			RECEPTS. - CORRIDOR B710 ALCOVE	20
21	RECEPTS. - RM B722			X	20A/1P	21		22	20A/1P	X			RECEPTS. - RM B722	22
23	RECEPTS. - RM B724			X	20A/1P	23		24	20A/1P	X			RECEPTS. - RM B726	24
25	RECEPTS. - CORRIDOR B728 ALCOVE			X	20A/1P	25		26	20A/1P	X			RECEPTS. - CORRIDOR B728 ALCOVE	26
27	RECEPTS. - RM B721			X	20A/1P	27		28	20A/1P	X			RECEPTS. - RM B727	28
29	RECEPTS. - RM B725			X	20A/1P	29		30	20A/1P	X			RECEPTS. - RM B723	30
31	RECEPTS. - RM B723			X	20A/1P	31		32	20A/1P	X			RECEPTS. - RM B707	32
33	RECEPTS. - RM B707			X	20A/1P	33		34	20A/1P	X			RECEPTS. - RM B709	34
35	RECEPTS. - RM B709			X	20A/1P	35		36	20A/1P	X			RECEPTS. - CORRIDOR B741 ALCOVE	36
37	RECEPTS. - RM B735			X	20A/1P	37		38	20A/1P	X			RECEPTS. - RM B735	38
39	RECEPTS. - RM B737			X	20A/1P	39		40	20A/1P	X			RECEPTS. - RM B737	40
41	RECEPTS. - CORRIDOR B741 ALCOVE			X	20A/1P	41		42	20A/1P	X			RECEPTS. - RM B739	42
43	RECEPTS. - RM B739			X	20A/1P	43		44	20A/1P				SPARE	44
45	SPARE				20A/1P	45		46	20A/1P				SPARE	46
47	SPARE				20A/1P	47		48	20A/1P				SPARE	48
49						49		50						50
51	SPACE				3P	51		52	3P				SPACE	52
53						53		54						54

PANELBOARD SCHEDULE

PANEL: ECR7B-A1
SOURCE: PANELBOARD 'ECR7B-A' MCB SUB-FEED LUGS
LOCATION: SEE DWGS
MOUNTING: SURFACE
FEEDER: 4 - 250 KCMIL + #4 GND IN 2-1/2" CONDUIT
BUS: 225A
KAIC (RMS SYM): 22
MAIN: 225 MLO
VOLTS: 208/120V
PHASE: 3
WIRE: 4

CKT#	DESCRIPTION	MOTOR	LTG.	RECEPT.	CB	CKT#		CKT#	CB	RECEPT.	LTG.	MOTOR	DESCRIPTION	CKT#
1	RECEPTS. - CORRIDOR B741 ALCOVE			X	20A/1P	1		2	20A/1P	X			RECEPTS. - CORRIDOR B741 ALCOVE	2
3	RECEPTS. - RM B736			X	20A/1P	3		4	20A/1P	X			RECEPTS. - RM B738	4
5	RECEPTS. - RM B740			X	20A/1P	5		6	20A/1P	X			RECEPTS. - RM B740	6
7	BED PAN WASHER				20A/2P	7		8	20A/1P		X		LTS. - RMS B702, B701A, B705, B709, B719, B720, B721	8
9						9		10	20A/1P		X		LTS. - RMS B735, CORRIDOR ALCOVES	10
11	SPACE				1P	11		12	20A/1P		X		LTS. - RMS B704, B704A, B706, B706A, B707, B707A	12
13	LTS. - RMS B707, B707A		X		20A/1P	13		14	20A/1P		X		LTS. - RMS B722, B722A, B724, B724A, B726, B726A	14
15	LTS. - RMS B723, B723A, B725, B725A, B727, B727A		X		20A/1P	15		16	20A/1P		X		LTS. - RMS B737, B737A, B739, B739A	16
17	LTS. - RMS B736, B736A, B738, B738A, B740, B740A		X		20A/1P	17		18	20A/1P				SPARE	18
19	SPARE				20A/1P	19		20	20A/1P				SPARE	20
21	SPARE				20A/1P	21		22	20A/1P				SPARE	22
23	SPACE				1P	23		24	1P				SPACE	24
25	SPACE				1P	25		26	1P				SPACE	26
27	SPACE				1P	27		28	1P				SPACE	28
29	SPACE				1P	29		30	1P				SPACE	30
31	SPACE				1P	31		32	1P				SPACE	32
33	SPACE				1P	33		34	1P				SPACE	34
35	SPACE				1P	35		36	1P				SPACE	36
37	SPACE				1P	37		38	1P				SPACE	38
39	SPACE				1P	39		40	1P				SPACE	40
41	SPACE				1P	41		42	1P				SPACE	42
43						43		44						44
45	SPACE				3P	45		46	3P				SPACE	46
47						47		48						48
49						49		50						50
51	SPACE				3P	51		52	3P				SPACE	52
53						53		54						54

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	BALLAST	MOUNTING	DESIGN BASIS	ACCEPT. MFR'S.	REMARKS
F1	2X4 RECESSED MULTI-FUNCTION PATIENT ROOM LUMINAIRE	6-F40T5 BI-TUBE FLUOR.	120V ELECTRONIC	RECESS IN LAY-IN CEILING	PHILIPS ALCKO MB640NLG-120-PBL-RPI	ENGINEER APPROVED EQUAL	REFER TO REFERENCE NOTE #1.
F2	DECORATIVE FLUORESCENT WALL MOUNTED LUMINAIRE	1-18W. COMPACT FLUOR.	120V ELECTRONIC	COORDINATE W/ ARCHITECTURAL ELEVATIONS	COOPER LIGHTING 673-12-CFL/18-120-XXX-TC-BC	ENGINEER APPROVED EQUAL	PROVIDE CLOSED TOP AND CLOSED BOTTOM COVERS. COORDINATE FIXTURE FINISH AND DIFFUSER REQUIREMENTS WITH ARCHITECT
F3	DECORATIVE FLUORESCENT WALL MOUNTED LUMINAIRE	1-F24T5H FLUOR.	120V ELECTRONIC	COORDINATE W/ ARCHITECTURAL ELEVATIONS	VISA LIGHTING CS6504-FS24-MVOLT-PDT	ENGINEER APPROVED EQUAL	COORDINATE FIXTURE FINISH AND DIFFUSER REQUIREMENTS WITH ARCHITECT
F4	6" ROUND RECESSED SHOWER LUMINAIRE	1-32W COMPACT FLUOR.	120V ELECTRONIC	RECESS IN GYP. BD. CEILING	H.E. WILLIAMS PVSL60-132T-EB1-UNV	ENGINEER APPROVED EQUAL	PROVIDE UL LISTED LIGHT FIXTURE SUITABLE FOR WET LOCATIONS
F5	WALL MOUNT LED NIGHT LIGHT	1-2850K LED	120V ELECTRONIC DRIVER	COORDINATE W/ ARCHITECTURAL ELEVATIONS	PHILIPS ALCKO WG2V1-120-SWH-PCC	ENGINEER APPROVED EQUAL	PROVIDE FIXTURE WITH INTEGRAL PHOTCELL.
F6	2X2 RECESSED DIRECT/INDIRECT 3-LAMP FLUOR.	3-F17T8 FLUOR.	120V DIMMABLE ELECTRONIC	RECESS IN LAY-IN CEILING	H.E. WILLIAMS DIG-522-317-AD-EBO3*ADMK7-120	ENGINEER APPROVED EQUAL	-
F7	2X2 RECESSED DIRECT/INDIRECT 3-LAMP FLUOR.	3-F17T8 FLUOR.	120V ELECTRONIC	RECESS IN LAY-IN CEILING	H.E. WILLIAMS DIG-522-317-AD-EB3-UNV	ENGINEER APPROVED EQUAL	-
F8	6" ROUND RECESSED WALL WASH DOWNLIGHT	1-26W COMPACT FLUOR.	120V DIMMABLE ELECTRONIC	RECESS IN LAY-IN CEILING	COPPER LIGHTING CLW6126I/D26-649ILI	ENGINEER APPROVED EQUAL	COORDINATE DIRECTION OF WALL WASH LIGHT WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE FIXTURE WITH BAR HANGERS AS REQUIRED.
F9	2X4 RECESSED DIRECT/INDIRECT 2-LAMP FLUOR.	2-F32T8 FLUOR.	120V ELECTRONIC	RECESS IN LAY-IN CEILING	H.E. WILLIAMS DIG-524-232-AD-EB2-UNV	ENGINEER APPROVED EQUAL	-
F11	ARCHITECTURAL RECESSED LINEAR LUMINAIRE	1-F32T8 FLUOR.	120V DIMMABLE ELECTRONIC	RECESS IN GYP. BD. CEILING	MARK LIGHTING SL4F-w-FL-IT8-ECB-120-PB	ENGINEER APPROVED EQUAL	JOIN FIXTURES TOGETHER INTERNALLY (NO VISABLE CONNECTORS) TO CREATE FIXTURE ROWS INDICATED ON DWGS.
F12	DECORATIVE SEMI-RECESSED & SURFACE MOUNTED DOWNLIGHT	1-18W COMPACT FLUOR.	120V DIMMABLE ELECTRONIC	SEMI-RECESS IN GYP. BD. CEILING	WILA LIGHTING 110-02-120-WH-2SHS-BDIM	ENGINEER APPROVED EQUAL	-
F13	3' UNDER CABINET FLUORESCENT LUMINAIRE	1-F17T8 FLUOR.	120V ELECTRONIC	COORDINATE W/ ARCHITECTURAL ELEVATIONS	H.E. WILLIAMS 2SF-24-117-WRS-EB1-120	ENGINEER APPROVED EQUAL	PROVIDE INTEGRAL LIGHT SWITCH
F14	4' UNDER CABINET FLUORESCENT LUMINAIRE	1-F32T8 FLUOR.	120V ELECTRONIC	COORDINATE W/ ARCHITECTURAL ELEVATIONS	H.E. WILLIAMS 2SF-48-132-WRS-EB1-120	ENGINEER APPROVED EQUAL	PROVIDE INTEGRAL LIGHT SWITCH
F15	2X4 RECESSED DIRECT/INDIRECT 2-LAMP FLUOR.	2-F32T8 FLUOR.	120V ELECTRONIC	RECESS IN GYP. BD. CEILING	H.E. WILLIAMS DIDFK-524-232-AD-EB2-UNV	ENGINEER APPROVED EQUAL	PROVIDE FIXTURE WITH DRYWALL FLANGE KIT
F17	6" ROUND RECESSED PARABOLIC DOWNLIGHT	1-32W COMPACT FLUOR.	120V ELECTRONIC	RECESS IN LAY-IN CEILING	H.E. WILLIAMS PBD060-132T-CS-EB1-UNV	ENGINEER APPROVED EQUAL	-
X1	LED THERMOPLASTIC UNIVERSAL EXIT FIXTURE (SINGLE FACE)	RED LED-EXIT	UNIVERSAL 120/277V INPUT	WALL MOUNT @ 7'-6" A.F.F.	GILBERT DOT MATRIX LEDX-1-AC-R-B-B	NO SUBSTITUTIONS	-
X2	LED THERMOPLASTIC UNIVERSAL EXIT FIXTURE (DOUBLE FACE)	RED LED-EXIT	UNIVERSAL 120/277V INPUT	CEILING MOUNT	GILBERT DOT MATRIX LEDX-2-AC-R-B-B	NO SUBSTITUTIONS	-

GENERAL NOTES (FOR LIGHT FIXTURE SCHEDULE ONLY):

A. LIGHT FIXTURE PARTS SHALL BE PAINTED AFTER FABRICATION.

B. PROVIDE LIGHT FIXTURE WITH NECESSARY MOUNTING COMPONENETS AS REQUIRED TO INSTALL FIXTURES @ LOCATIONS/ELEVATIONS AS SHOWN ON DRAWINGS. MOUNTING COMPONENTS INCLUDE, BUT NOT LIMITED TO, INTERMEDIATE STEEL, CHAIN, AIR CRAFT CABLE, BOXES, HANGERS, ETC.

REFERENCE NOTES (FOR LIGHT FIXTURE SCHEDULE ONLY):

1. REFER TO CONTRACT DRAWINGS FOR SPECIFIC CIRCUITRY REQUIREMENTS. ALL CIRCUITRY ASSOCIATED WITH THIS FIXTURE MUST BE INSTALLED IN ACCORDANCE WITH LIGHTING MANUFACTURER, NURSE CALL SYSTEM MANUFACTURER AND LOW-VLOTAGE LIGHTING CONTROLLER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

OCCUPANCY SENSOR SCHEDULE

TYPE	DESCRIPTION	MOUNTING	DESIGN BASIS	ACCEPT. MFR'S.
W1	WALL SWITCH SENSOR; MICROPHONIC-DUAL TECHNOLOGY; LINE VOLTAGE	WALL MOUNT @ 3'-6" A.F.F.	WATT STOPPER DW-100-U	ENGINEER APPROVED EQUAL
C1	MICROPHONIC DUAL TECHNOLOGY SENSOR; LOW VOLTAGE;	CEILING MOUNT	WATT STOPPER DT-300-U	ENGINEER APPROVED EQUAL

GENERAL NOTES:

A. PROVIDE NECESSARY POWER PACKS FOR LOW-VOLTAGE SENSORS. VERIFY THE NUMBER OF POWER PACKS NEEDED TO PROVIDE A COMPLETE SYSTEM. TO MAINTAIN DRAWING CLARITY, POWER PACKS HAVE NOT BEEN SHOWN.

B. IF REQUIRED, PROVIDE SENSOR MASKING KITS TO LIMIT COVERAGE OF AREAS. VERIFY WITH OWNER.

C. VERIFY OCCUPANCY COLOR SELECTION WITH OWNER REPRESENTATIVE.

ELECTRICAL EQUIPMENT & CONTROL SCHEDULE

EQUIPMENT					SUPPLY							CONTROL DEVICE(S)										
												CONTROLLER DEVICE TYPE REQUIRED & LOCATIONS										
DESIGNATION #	DESCRIPTION	ROOM LOCATION	SIZE	VOLTAGE/PHASE	PANEL OR CONTROL CENTER	CIRCUIT NUMBER	CIRCUIT BREAKER	POWER WIRING FROM PANEL TO EX. VFD		POWER WIRING FROM EX. VFD TO DISCONNECT & FROM DISCONNECT TO EQUIPMENT		GROUND WIRE SIZE PER NEC	PACKAGED CONTROL UNIT	VARIABLE FREQUENCY DRIVE	COMBINATION MAGNETIC STARTER	MAGNETIC STARTER	MANUAL STARTER	DISCONNECT SWITCH HORSEPOWER	DISCONNECT SWITCH SHORT CIRCUIT MOTOR RATED	DISCONNECT SWITCH	CONTROL DEVICE INSTALLATION LOCATION	REFERENCE NOTES (SEE BELOW)
								WIRE	CONDUIT	WIRE	CONDUIT											
1	EXHAUST FAN 'EF-78'	ROOF	5 HP	200/3	EX. E8S-AC	EX.	EX.	EX.	EX.	3-#8	1"	#10		EX.				X			DISC. AT UNIT	1,2,3
2	BED PAN WASHER	RM B717	3.0 KW	208/1	ECR7B-A1	7,9	20A/2P	2-#12	3/4"	2-#12	3/4"	#12						X			AT UNIT	*

GENERAL NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

A. DESIGNATION NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES.

B. VERIFY ALL MOTOR SIZES BEFORE ORDERING ANY CONTROL DEVICES.

C. ALL CONTROL DEVICES ARE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED.

D. VERIFY FEEDER SIZES FOR VOLTAGE DROP IN ACCORDANCE WITH NEC REQUIREMENTS BASED ON ACTUAL ROUTING DISTANCES IN FIELD. INCREASE WIRE AND CONDUIT SIZE IF REQUIRED.

REFERENCE NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

1. PROVIDE SHUTDOWN OF EQUIPMENT UPON ACTIVATION OF FIRE ALARM. PROVIDE ASSOCIATED WIRING, RELAYS, ETC. TO THE EX. ADDRESSABLE FIRE ALARM CONTROL PANEL AS REQUIRED.

2. PROVIDE NEMA 3R ENCLOSURE FOR CONTROL DEVICE(S).

3. PROVIDE WEATHERPROOF GFCI RECEPTACLE MOUNTED TO UNIT FOR MAINTENANCE. CIRCUIT RECEPTACLE TO NEAREST, UNSWITCHED 120V POWER SUPPLY (FIELD VERIFY).

Revisions:		Date

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Drawing Title	Project Title	Project Number	Office of Facilities Management
ELECTRICAL SCHEDULES	RENOVATE 7W FOR PATIENT WARD	528A7-11-701	
Approved: Project Director	Location: VAMC SYRACUSE, NY	Building Number: 1	
	Date: 12/14/2011 — Checked: CAL — Drawn: MAF	Drawing Number: E-601 — Dwg. 61 of 61	Department of Veterans Affairs

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