SYMBOL & ABBREVIATION SCHEDULE

NOTES:
1. THIS SCHEDULE IS A STANDARD SCHEDULE. CERTAIN SYMBOLS & ABBREVIATIONS INDICATED ON THIS SCHEDULE MAY NOT APPEAR ON THE DRAWINGS.
2. EQUIPMENT SYMBOLS SHOWN DASHED ON THE DRAWINGS INDICATE EXISTING EQUIPMENT.
3. CERTAIN MOUNTING HEIGHTS INDICATED ON THIS DRAWING ARE TO BE USED AS A GUIDE ONLY AND MAY HAVE TO BE CHANGED TO COMPLY WITH REGULATIONS GOVERNING MOUNTING HEIGHTS OF EQUIPMENT FOR USE BY THE PHYSICALLY HANDICAPPED. CONSULT WITH THE AUTHORITY HAVING JURISDICTION BEFORE EQUIPMENT INSTALLATION AND INSTALL ACCORDINGLY.

ELECTRICAL SYMBOLS - LIGHTING PLAN

- LIGHT FIXTURE, RECESSED FLUORESCENT, LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, LETTER INDICATES TYPE.
- LIGHT FIXTURE, FLUORESCENT EMERGENCY; LETTERS INDICATE TYPE AND EMERGENCY SYSTEM.
- LIGHT FIXTURE, STRIP/INDUSTRIAL FLUORESCENT; LETTER INDICATES TYPE.
- LIGHT FIXTURE, WALL MOUNTED; LETTER INDICATES TYPE.
- LIGHT FIXTURE, SUSPENDED MOUNTED FLUORESCENT, LETTER INDICATES TYPE.
- DOWNLIGHT FIXTURE CEILING RECESSED MOUNTED; LETTER INDICATES TYPE.
- EMERGENCY DOWNLIGHT FIXTURE CEILING RECESSED MOUNTED; LETTERS INDICATE TYPE AND EMERGENCY SYSTEM.
- PATIENT NIGHT LIGHT, RECESSED WALL MOUNTED, CONNECTED TO THE EMERGENCY CRITICAL ELECTRICAL SYSTEM; LETTER INDICATE TYPE.
- EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN; LETTER INDICATES TYPE.
- EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN; LETTER INDICATES TYPE.
- LIGHT FIXTURE, WALL MOUNTED; LETTER INDICATES TYPE.
- SWITCH

BLANK = SINGLE POLE
3 = THREE-WAY
4 = FOUR-WAY
D = DIMMER
AB= INBOARD/OUTBOARD CONTROL
T = TIMER OPERATED, LOW VOLTAGE, DIGITAL
M = SINGLE POLE, MANUAL MOTOR SWITCH W/ OVERLOADS
LV = UNO, SINGLE BUTTON, LOW VOLTAGE, NON-DIGITAL
TS = DIGITAL, TOUCH-LESS SENSOR TYPE SWITCH.

L1 = SINGLE BUTTON, LOW VOLTAGE, DIGITAL
L2 = TWO BUTTON, LOW VOLTAGE, DIGITAL
L3 = THREE BUTTON, LOW VOLTAGE, DIGITAL
L4 = FOUR BUTTON, LOW VOLTAGE, DIGITAL
L5 = FIVE BUTTON, LOW VOLTAGE, DIGITAL
L8 = EIGHT BUTTON, LOW VOLTAGE, DIGITAL

NOTE:
FOR THE TOUCHLESS SENSOR SWITCH NOTED ABOVE, SWITCH SHALL BE 100% DIGITAL, WATER AND VANDAL RESISTANT, BE PROVIDE IN 4"x4"x2" STEEL OUTLET BOX, AND BE COMPLETE WITH STAINLESS STEEL FACEPLATE. SWITCH SHALL BE SUPPLIED BY LIGHTING CONTROL AND DESIGN, INC. OR EQUIVALENT, CATALOG # SB-DS-1-SS

LIGHTING CONTROL LEGEND

- OS — DIGITAL, DUAL TECHNOLOGY CEILING MOUNTED SENSOR
- OS — DIGITAL DUAL TECHNOLOGY, CEILING OR CORNER MOUNTED, BEAM TYPE
- J RC — ABOVE CEILING, ON/OFF DIGITAL ROOM CONTROLLER
- J DRC — ABOVE CEILING ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER
- J IR — ABOVE CEILING, DIGITAL, ISOLATED RELAY INTERFACE

ELECTRICAL SYMBOLS - POWER PLAN

- M — MOTOR - SEE DRAWINGS FOR RATING OF MOTOR
- M MOD — MOTOR OPERATED DAMPER - 120V-1Ø
- J — JUNCTION BOX
- J VGA — 4"x4" OUTLET BOX W/ VGA AND AUDIO OUTLETS. SEE DRAWING ES502 FOR ADDITIONAL INFORMATION.
- 12x4 — WIRE BASKET TYPE CABLE TRAY - SEE DRAWINGS FOR SIZES
- NEUTRAL / GROUND / HOMERUN / PHASE CONDUCTORS / No OF CKT'S IN CONDUIT / R — HOMERUN TO PANEL - ARROWHEADS INDICATE QUANTITY OF CIRCUITS, WIRES INDICATED ARE GREEN GROUND, NEUTRAL AND THREE HOT LEGS (A DIFFERENT PHASE FOR EACH CIRCUIT). MAXIMUM THREE CIRCUITS PER CONDUIT . UNLESS NOTED OTHERWISE, PROVIDE 2 #12 & 1 #12 GRD IN 3/4"C. FOR SINGLE PHASE WORK, 3 #12 & 1#12 GRD. IN 3/4"C. FOR THREE PHASE WORK.
- DISCONNECT, RELOCATE AND RECONNECT
- CROSSHATCHING INDICATES EQUIPMENT AND/OR WIRING TO BE RENDERED DEAD AND REMOVED BY EC
- SWITCH LEG - LINE VOLTAGE
- SWITCH LEG - LOW VOLTAGE (CAT 5e)
- BRANCH CIRCUIT
- SWITCHED CIRCUIT
- PB — PULL BOX
- PANELBOARD CABINET, SURFACE MOUNTED
- RECEPTACLE, DUPLEX
- RECEPTACLE, DUPLEX ON EMERGENCY POWER
- AB — RECEPTACLE, DUPLEX, ABOVE COUNTER
- GFI — RECEPTACLE, DUPLEX, WITH GROUND FAULT CIRCUIT INTERRUPTER
- TV — TV RECEPTACLE, DUPLEX, MATCH MOUNTING HEIGHT OF TELEVISION OUTLET
- SC — SECURITY CAMERA RECEPTACLE, DUPLEX, MOUNT FLUSH WITH CEILING NEAR CAMERA
- VGA — TWO RECEPTACLES, ONE HIGH AND ONE LOW, FOR VIDEO CONFERENCING EQUIPMENT. VIDEO CONFERENCING EQUIPMENT NIC. MOUNT AS INDICATED ON DETAIL ON DRAWING ES503
- TR — RECEPTACLE, TAMPER RESISTANT, SAFETY TYPE
- MW — RECEPTACLE FOR MICROWAVE, DUPLEX, MOUNTED AT 63" AFF. CONFIRM MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS BEFORE PERFORMING ROUGH-IN.
- OC — RECEPTACLE FOR OXYGEN CONCENTRATORS, DUPLEX, MOUNTED FLUSH WITH CEILING
- Y — FINAL CONNECTION TO EQUIPMENT BY ELECTRICAL CONTRACTOR
- Y PWA — FINAL CONNECTION FOR PATIENT WANDERING SYSTEM ANNUNCIATOR PANEL - 120V-1Ø
- Y PWC — FINAL CONNECTION FOR PATIENT WANDERING SYSTEM DOOR CONTROLLER POWER SUPPLY - 120V-1Ø
- Y DPS — FINAL CONNECTION FOR DOOR CONTROLLER POWER SUPPLY - 120V-1Ø
- Y BC — FINAL CONNECTION FOR BASIN CONTROLS ABOVE CEILING 120V-1Ø . EC SHALL PROVIDE 1A FUSED SPUR, AS PER MANUFACTURERS REQUIREMENTS
- Y VVB — FINAL CONNECTION TO VARIABLE VOLUME BOX
- Y ADO — FINAL CONNECTION TO AUTOMATIC DOOR OPENER - 120V-1Ø
- Y PG — FINAL CONNECTION TO PRIVACY GLASS TRANSFORMER - 120V-1Ø TRANSFORMER AND CONTROLLER SUPPLIED WITH PRIVACY GLASS. EC SHALL PROVIDE ALL WIRING SHOWN AND WIRING FROM TRANSFORMER TO CONTROLLER
- RECEPTACLE, SPECIAL PURPOSE, 208V, 30A, 3 PHASE, 3-POLE 4W, NEMA 15-30R.
- HEAVY DUTY DISCONNECT SWITCH, FUSED, RATING AS NOTED ON DRAWINGS
- HEAVY DUTY DISCONNECT SWITCH, UNFUSED, RATING AS NOTED ON DRAWINGS
- COMBINATION STARTER/HEAVY DUTY DISCONNECT SWITCH. RATING AS NOTED ON DRAWINGS

COMMUNICATION SYMBOLS

- OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION. SEE DRAWING ES503 FOR ADDITIONAL INFORMATION.
- WAP — WIRELESS ACCESS POINT DATA OUTLET, MOUNT OUTLET FLUSH WITH FINISHED CEILING. SEE DRAWING ES503 FOR ADDITIONAL INFORMATION.
- W — SINGLE OUTLET, TELEPHONE, SEE DRAWING ES503 FOR ADDITIONAL INFORMATION.
- TTB — 1" THICK, PLYWOOD TELEPHONE BACKBOARD. WALL MOUNTED FROM 24" AFF TO 84" AFF.
- TELEVISION SYSTEM OUTLET
- CATV — CABLE TELEVISION TRUNK LINE = CATV (RG-11/U UNO)
- TP — CABLE TELEVISION DISTRIBUTION TAP PANEL
- S — SPEAKER, 8" ROUND, CEILING MOUNTED
- S V — SPEAKER, 8" ROUND, VOLUME CONTROL, CEILING MOUNTED
- $ V — ROTARY SPEAKER VOLUME CONTROLLER
- NMS — NURSE'S CALL MASTER STATION MTD ON NURSE'S COUNTER TOP UNLESS OTHERWISE NOTED.
- N E — NURSE CALL STATION.
  - E = EMERGENCY STATION, MTD 6'-0" AFF FOR SHOWER LOCATION, MTD 4'-6" AFF FOR TUB LOCATION, & MTD 3'-0" AFF FOR TOILET LOCATION.
  - SE = STAFF EMERGENCY STATION, MTD 4'-6" AFF
- N D — NURSE CALL STATION.
  - D = CORRIDOR DOME LIGHT.
  - I = AUXILIARY INTERSECTIONAL DOME LIGHT.

FIRE ALARM SYSTEM SYMBOLS

- FACP — ALARM, FIRE, CONTROL PANEL
- FATC — ALARM, FIRE, TERMINAL CABINET.
- IAM — FIRE ALARM SYSTEM INDIVIDUAL ADDRESSABLE MODULE
- P — ALARM, FIRE, MANUAL PULL STATION
- C — FIRE ALARM SYSTEM, CHIME TYPE, AUDIO/VISUAL DEVICE
- S FA — FIRE ALARM SYSTEM WALL MOUNTED SPEAKER/STROBE
- S FA — FIRE ALARM SYSTEM WALL MOUNTED SPEAKER
- ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE
- DH — ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET
- R/T HD — DETECTOR, HEAT; LETTER INDICATES AS FOLLOWS:
  - R/T = COMBINATION
  - R/C = RATE COMPENSATION
  - F = FIXED TEMPERATURE RISE
  - R = RATE OF
- P S — DETECTOR; LETTER INDICATES AS FOLLOWS:
  - S = PHOTOELECTRIC SMOKE DETECTOR
  - SE = ELEVATOR RECALL PHOTOELECTRIC SMOKE DETECTOR
- P SD — FIRE ALARM SYSTEM SMOKE DAMPER - 120V-1Ø
- DD — FIRE ALARM SYSTEM DUCT DETECTOR
- FS — FIRE ALARM SYSTEM - FLOW SWITCH FOR SPRINKLER SYSTEM
- TS — FIRE ALARM SYSTEM - TAMPER SWITCH FOR SPRINKLER SYSTEM

SECURITY SYSTEM SYMBOLS

- SECURITY ACCESS, VIDEO CAMERA. AT LOCATIONS SHOWN, UNLESS NOTED OTHERWISE, PROVIDE NEW VICON CAMERA WITH (1) RG-6/U COAX CABLE IN 3/4"C. DOWN TO POLICE OFFICE. COORDINATE EXACT STYLE OF CAMERA REQUIRED WITH COR.
- PANIC/DURESS SYSTEM PUSHBUTTON
- J ML — OUTLET BOX FOR PATIENT WANDERING SYSTEM MAGNETIC LOCK, SEE PATIENT WANDERING SYSTEM DIAGRAM, DRAWING ES404.
- J DC — OUTLET BOX FOR PATIENT WANDERING SYSTEM DOOR CONTACT, SEE PATIENT WANDERING SYSTEM DIAGRAM, DRAWING ES404.
- J ATT — OUTLET BOX FOR PATIENT WANDERING SYSTEM ANTENNA, SEE PATIENT WANDERING SYSTEM DIAGRAM, DRAWING ES404.
- J CR — OUTLET BOX FOR CARD READER. PROVIDE 4"x4" OUTLET BOX, @ 3'-6" AFF WHERE SHOWN, AND 3/4"C. WITH PULL CORD TO ABOVE ACCESSIBLE CEILING. SEE PATIENT WANDERING SYSTEM DIAGRAM, DRAWING ES404.
- J MIS — OUTLET BOX FOR INTERCOM SYSTEM MASTER INTERCOM STATION, SEE DIAGRAM ON DRAWING ES403.
- J SIS — OUTLET BOX FOR INTERCOM SYSTEM SATELLITE INTERCOM STATION, SEE DIAGRAM ON DRAWING ES403.

ABBREVIATIONS

1PH	SINGLE-PHASE
1P	SINGLE POLE
2/C	TWO-CONDUCTOR
3/C	THREE-CONDUCTOR
3PH	THREE-PHASE
4/C	FOUR-CONDUCTOR
4W	FOUR-WIRE
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AB	ABOVE COUNTER
AC	ALTERNATING CURRENT OR ARMORED CABLE
ACC	ACCESSIBLE
ADDL	ADDITIONAL
ADJ	ADJACENT, ADJOINING
ADO	AUTOMATIC DOOR OPENER
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
AMB OR A	AMBIENT
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
BAT	BATTERY
BC	BARE COPPER
BD	BOARD
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BP/IP	BOILER PLANT INSTRUMENTATION PANEL
BYP	BY PASS
C	CONDUIT
CAB	CABINET
CALC	CALCULATE
CAP	CAPACITY
CAT	CATALOG
CATV	COMMUNITY ANTENNA TELEVISION
CC	CRITICAL CARE
CCTV	CLOSED CIRCUIT TELEVISION
CD	CONSTRUCTION DOCUMENTS
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COAX	COAX CABLE
COMM	COMMUNICATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CRS	COLD ROLLED STEEL
CTV	CABLE TELEVISION
CU	COPPER
CU FT	CUBIC FEET
CUR	CURRENT
DB	DECIBEL OR DIRECT BURIAL
DC	DIRECT CURRENT
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLITION
DIAG	DIAGRAM
DISTR	DISTRIBUTION
DN	DOWN
DRSW	DOOR SWITCH
DWG	DRAWING
EC	EMPTY CONDUIT
EE	ESSENTIAL EQUIPMENT
EG	EQUIPMENT GROUND
EL	ELEVATION
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EX OR EXIST	EXISTING
FLEX	FLEXIBLE METALLIC CONDUIT
FO/TT	TELEPHONE FLOOR OUTLET
FP	FIRE PROTECTION
FT	FEET OR FOOT
FU SW	FUSED SWITCH
G OR GND	GROUND OR GENERATOR
GEN	GENERATOR
GTB	GROUND TERMINAL BOX
HOA	HAND-OFF-AUTOMATIC
HPC	HIGH PAIR COUNT
HT	HEIGHT
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
IR	INFRARED
J-BOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
LF	LINEAR FEET (FOOT)
LTG	LIGHTING
LTNG	LIGHTNING
LS	LIFE SAFETY
LV	LOW VOLTAGE
LVL(S)	LEVEL(S)
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MM	MULTI-MODE
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEUT OR N	NEUTRAL
NIC	NOT IN CONTRACT
NS	NO SCALE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX, OR PUSHBUTTON
PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
PED	PEDESTAL
PEND	PENDANT
PF	POWER FACTOR
PH	PHASE
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWR	POWER
RCP	REFLECTED CEILING PLAN
REC	RECESSED
RECPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RM	ROOM
REQD	REQUIRED
SF	SQUARE FOOT (FEET)
SHT	SHEET
SI	INTERNATIONAL SYSTEM OF UNITS
SPEC	SPECIFICATION
SURF	SURFACE
SW	SWITCH
TEL	TELEPHONE
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
V	VOLT
WP	WEATHERPROOF

FIRE RATED WALL LEGEND:

- SMOKE BARRIER
- 1-HOUR FIRE RATED WALL
- 2-HOUR FIRE RATED WALL

GENERAL NOTES

1. ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN.
2. LIGHTING FIXTURES WITH MORE THAN TWO LAMPS SHALL HAVE TWO OUTER LAMPS CONTROLLED WITH ONE SWITCH AND INNER LAMP(S) CONTROLLED BY A SECOND SWITCH.
3. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
4. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
5. AT ANY ELECTRICAL PANEL ON THE FOURTH FLOOR EFFECTED BY PROJECT, IN ADDITION TO NEW BRANCH CIRCUITS CONDUITS REQUIRED, CONTRACTOR SHALL PROVIDE THREE (3) EMPTY 3/4" CONDUITS, W/ NYLON PULLCORD, FROM PANEL TO 6" ABOVE CEILING FOR FUTURE EXTENSION. CAP CONDUITS ABOVE CEILING WITH INSULATED BUSHING.
6. IT IS CALLED TO THE CONTRACTORS ATTENTION THAT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO INSTALL ALL NEW WIRING CONCEALED (FISHED THRU OPENINGS IN EXISTING BUILDING CONSTRUCTION) IN FINISH AREAS OF THE BUILDING CONSTRUCTION. THE USE OF EXPOSED SURFACE RACEWAYS WILL NOT BE PERMITTED UNLESS APPROVED BY THE RESIDENT ENGINEER. WHERE BUILDING CONSTRUCTION MUST BE CUT TO CONCEAL NEW CONDUIT AND WIRING THE CONTRACTOR SHALL SAW CUT A CHANNEL IN BUILDING CONSTRUCTION, INSTALL NEW CONDUIT AND PATCH AND FINISH DISTURBED AREAS TO MATCH ADJACENT SURFACES AS APPROVED BY THE ARCHITECT.
7. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE, IN PARTICULAR ARTICLE #517, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
8. ALL WIRE, CONDUIT, CONNECTORS, OUTLETS BOXES, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION SHALL BE PROVIDED. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN SHALL BE PROVIDED AS THOUGH FULLY SHOWN AND SPECIFIED.
9. ALL CONDUIT, JUNCTION BOXES, ETC. ABOVE CEILINGS SHALL BE SUPPORTED FROM THE BUILDING DECK, LIGHTING FIXTURES WHICH ARE INSTALLED IN SUSPENDED CEILING SYSTEM MUST BE MECHANICALLY FASTENED TO T-BAR SYSTEM AS PER SPECIFICATIONS.
10. NEW OPENINGS, CHASES IN WALLS, FLOORS AND PARTITIONS FOR CONDUIT, HANGERS, SUPPORTS AND OTHER EQUIPMENT IN THE EXISTING BUILDING SHALL BE PROVIDED AS REQUIRED FOR THE NEW AND REMODELED INSTALLATION, NEW OPENINGS IN EXISTING CONSTRUCTION AND THE REPAIR OF SUCH OPENINGS FOR THE ENTRANCE OF NEW EQUIPMENT INTO THE BUILDING OR FOR THE REMOVAL OF EXISTING EQUIPMENT IN THE EXISTING BUILDING SHALL BE PROVIDED BY THE CONTRACTOR.
11. NO CUTTING OF BUILDING CONSTRUCTION SHALL BE DONE WHICH MAY IN ANYWAY AFFECT THE BUILDING STRUCTURALLY OR ARCHITECTURALLY WITHOUT FIRST SECURING THE COR'S CONSENT AND APPROVAL.
12. NO CONDUITS SHALL BE RUN THROUGH OR SUPPORTED FROM DUCTWORK.
13. AFTER CONSTRUCTION OF NEW RENOVATED AREAS IS COMPLETED, THE CONTRACTOR SHALL LABEL REUSED AND EXISTING UNUSED CIRCUIT BREAKERS IN ALL ELECTRICAL PANELS INVOLVED. SPARES SHALL BE MARKED SPARES.
14. IT IS CALLED TO THE CONTRACTOR'S ATTENTION THAT THE ENTIRE INSTALLATION MUST BE GROUNDED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE. ALL DEVICES, EQUIPMENT BOXES, ETC. MUST BE CONNECTED TO A SOLID, INSULATED GREEN, COPPER GROUNDING CONDUCTOR. THIS GROUNDING CONDUCTOR MUST BE CONTINUOUS WITHOUT SPLICES FROM POINT OF ORIGIN IN PANELBOARD TO ALL BOXES AND EQUIPMENT ON EACH BRANCH CIRCUIT. VERIFY GROUNDING VALUES AND SUBMIT A TYPEWRITTEN REPORT TO THE RESIDENT ENGINEER INDICATING TESTING RESULTS OF EACH CIRCUIT AT THE COMPLETION OF THE PROJECT.
15. FURNISH, INSTALL, & PERFORM ANY & ALL NECESSARY WORK AND EQUIPMENT ON A TEMPORARY BASIS TO ASSURE UNINTERRUPTED SERVICE TO THE ELECTRICAL, FIRE ALARM, TELEPHONE AND SIGNAL/DATA SYSTEMS UNTIL NEW EQUIPMENT CAN BE INSTALLED ON A PERMANENT BASIS FOR THESE SYSTEMS. ALL OUTAGES MUST BE SCHEDULED WITH THE COR PRIOR TO ANY INTERRUPTIONS OF THESE SYSTEMS.
16. FOR SINGLE PHASE CIRCUITS, UNLESS NOTED OTHERWISE, NEW WIRING INDICATED SHALL BE 2 #12 & 1#12 GROUND IN 3/4" CONDUIT. FOR THREE PHASE CIRCUITS, UNLESS NOTED OTHERWISE, NEW WIRING INDICATED SHALL BE 3 #12 & 1 #12 GROUND IN 3/4"CONDUIT. FOR CIRCUITS THAT REQUIRE LONG TRAVEL DISTANCES, REFER TO VOLTAGE DROP NOTE BELOW.
17. THE CONTRACTOR SHALL FIRESTOP ALL EXISTING CONCEALED AND ACCESSIBLE CONDUITS WITHIN THE LIMITS OF THE CONTRACT WORK AREA. THE CONTRACTOR SHALL FIRESTOP ALL NEW AND EXISTING CONDUITS AS PART OF THE REMODELING AND EXISTING SYSTEMS TO REMAIN. (REFER TO SPECIFICATIONS)
18. THE CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE STOPPING AT ALL NEW AND EXISTING FLOOR SLAB/CEILING AND WALL PENETRATIONS WITHIN THE LIMITS OF CONTRACT WORK AREA TO MAINTAIN THE FIRE RATED CONSTRUCTION.

VOLTAGE DROP NOTE:
THE FOLLOWING LIST APPLIES TO ALL NEW BRANCH WIRING PROVIDED UNDER THIS CONTRACT. LISTS INDICATE THE NECESSARY GAUGE OF CONDUCTORS NECESSARY FOR BRANCH CIRCUITS ONE WAY FROM PANEL TO LAST OUTLET OR LIGHTING FIXTURE ON THE CIRCUIT:

120/208V CIRCUITS	WIRE SIZE	277V CIRCUITS
• 0 - 100 FEET	No. 12 AWG	0 - 150 FEET
• 101 - 250 FEET	No. 10 AWG	151 - 350 FEET
• 250 - 400 FEET	No. 8 AWG	351 - 500 FEET

Project North True North

100% CONSTRUCTION DOCUMENT SUBMISSION

Revisions:	Date

CONSULTANTS:

H.F. LENZ COMPANY
1407 Scalp Avenue Johnstown, PA 15904
Phone: 814-269-9300 FAX: 814-269-9301
cadd@hflenz.com www.hflenz.com
Engineers • Planners • Surveyors • Energy Consultants

TIMOTHY M. EARLEY REGISTERED 14788 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

IKM
architecture
planning
interior design
IKM Incorporated
One PPG Place
Pittsburgh, PA 15222
412-281-1337
www.ikminc.com

Drawing Title: ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES

Approved: Project Director

Project Title: VA Clarksburg Inpatient Mental Health Unit

Location: VAMC Clarksburg West Virginia

Date: 15 DECEMBER 2011 | Checked: TME | Drawn: RJD

VA Project Number: 540-11-106
IKM Project Number: 11-024
Building Number:
Drawing Number: ES001
Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231