SYMBOL LEGEND

LIGHTING

- LUMINAIRE
- WALL MOUNTED LUMINAIRE
- WALL MOUNTED LUMINAIRE
- RECESSED LUMINAIRE
- SURFACE MOUNTED LUMINAIRE
- PENDANT MOUNTED LUMINAIRE
- STRIP / INDUSTRIAL LUMINAIRE
- WALL MOUNTED STRIP LUMINAIRE
- LUMINAIRE - NIGHT LIGHTING
- LUMINAIRE - EMERGENCY SYSTEM
- WALL WASH LUMINAIRE
- EMERGENCY BATTERY PACK LUMINAIRE
- REMOTE EMERGENCY HEAD
- TRACK LIGHTING
- EXIT LIGHT - WALL MOUNT WITH DIRECTIONAL ARROWS AS INDICATED, FILLED-IN QUARTERS INDICATE ILLUMINATION SIDES
- EXIT LIGHT - CEILING OR PENDANT MOUNT WITH DIRECTIONAL ARROWS AS INDICATED, FILLED-IN QUARTERS INDICATE ILLUMINATION SIDES
- EMERGENCY EXIT LIGHT COMBO
- POLE MOUNTED SITE LUMINAIRE
- CEILING FAN
- PHOTOCELL
- OCCUPANCY SENSOR
- RC ROOM CONTROLLER
- PP POWER PACK

WIRING DEVICES - SWITCHES

- S SINGLE POLE SWITCH
- S_2 TWO POLE SWITCH
- S_3 THREE-WAY SWITCH
- S_4 FOUR-WAY SWITCH
- S_D DIMMER SWITCH
- S_K KEY OPERATED SWITCH
- S_P SINGLE POLE SWITCH WITH PILOT
- S_{TE} THERMAL ELEMENT SWITCH
- S_T TIMER SWITCH
- S_{FT} FUSIBLE SWITCH (FUSETRON)
- S_X LOW VOLTAGE MOMENTARY CONTACT SWITCH

WIRING DEVICES - RECEPTACLES

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRUPLEX RECEPTACLE
- EMERGENCY RECEPTACLE
- CONTROLLED RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION NOTED
- PLUG-IN STRIP - LENGTH AND QUANTITY OF OUTLETS AS SHOWN
- POWER POLE
- DROP CORD RECEPTACLE ASSEMBLY

CONDUIT AND BOXES

- J JUNCTION BOX - CEILING MOUNT
- J JUNCTION BOX - WALL MOUNT
- FB FLOOR BOX
- FP FLOOR POKE-THROUGH DEVICE
- WB WALL AV BOX
- CONDUIT DOWN
- CONDUIT UP
- INDICATES BUSHED CONDUIT

POWER EQUIPMENT

- SAFETY SWITCH
- COMBINATION STARTER SAFETY SWITCH
- R RELAY - CONTROL AS NOTED
- M MOTOR CONNECTION
- PB PUSHBUTTON STATION
- M METER SOCKET

PANELS AND CABINETS

- BRANCH CIRCUIT PANEL
- DISTRIBUTION PANEL
- SWITCHBOARD, SWITCHGEAR, MCC
- EQUIPMENT OR TERMINAL CABINET
- T DRY TYPE TRANSFORMER

FIRE ALARM SYSTEM

- F MANUAL PULL STATION
- F S STROBE
- F S HORN
- F S HORN STROBE
- F S SPEAKER
- F S SPEAKER STROBE
- DH MAGNETIC DOOR HOLDER
- S SMOKE DETECTOR
- H HEAT DETECTOR
- S DUCT SMOKE DETECTOR
- FS FLOW SWITCH
- TS SPRINKLER TAMPER SWITCH
- PS POST INDICATING VALVE SWITCH
- I REMOTE INDICATOR LIGHT

VOICE AND DATA

- VOICE OUTLET
- DATA OUTLET
- VOICE/DATA OUTLET
- WIRELESS ACCESS POINT

SOUND, TELEVISION, AND SECURITY

- S SPEAKER
- S HORN (PA, PUBLIC ADDRESS)
- IC INTERCOM SPEAKER STATION
- SVC VOLUME CONTROL STATION
- M MICROPHONE JACK
- TV TELEVISION OUTLET
- CCTV CAMERA
- MS MOTION SENSOR

NURSE CALL

- N BEDSIDE STATION
- N_{DS} DOUBLE BED BEDSIDE STATION
- N_E EMERGENCY PULL STATION
- N_S STAFF STATION
- N_D DUTY STATION
- N_P PILLOW SPEAKER
- N DOME LIGHT
- N_M MASTER STATION

POWER DISTRIBUTION ONE LINE

- G EMERGENCY GENERATOR
- FUSE
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- DRAW OUT VACUUM CIRCUIT BREAKER
- PLUG-IN OR DRAWOUT CONNECTOR
- CIRCUIT BREAKER
- THERMAL OVERLOAD RELAY
- K1 KIRK KEY INTERLOCK
- LIGHTNING SURGE ARRESTOR
- A AMMETER
- V VOLTMETER
- TRANSFORMER
- X:Y CURRENT TRANSFORMER - (RATIO)

SYMBOL NOTES:

"C" INDICATES CEILING MOUNTED
"F" INDICATES FLOOR MOUNTED
"S" INDICATES SURFACE MOUNTED
"G" INDICATES GROUND FAULT INTERRUPTING
"IG" INDICATES ISOLATED GROUND
"AC" INDICATES MOUNTING 6" ABOVE COUNTERTOP OR BACKSPLASH
"WP" INDICATES WEATHERPROOF
"XP" INDICATES EXPLOSION PROOF
"U" INDICATES USB CHARGER
"R" INDICATES EXISTING DEVICE REMOVED AND RELOCATED
LOWER CASE LETTER BY SWITCHES AND FIXTURES INDICATE ASSOCIATED UNIT FOR SWITCHING

REFERENCE LEGEND

ROOM NUMBER	ROOM NAME 101 150 SF	ROOM NAME DESIGNATION ROOM NUMBER DESIGNATION ROOM AREA DESIGNATION
SCHEDULED EQUIPMENT	XX XXXX XX-XX	EQUIPMENT SIZE (WHERE APPLICABLE) EQUIPMENT NUMBER PANEL & CIRCUIT NUMBER
NON-SCHEDULED EQUIPMENT	EQUIPMENT XX-XX	EQUIPMENT NAME/NUMBER PANEL & CIRCUIT NUMBER
REFERENCE DEMOLITION NOTE	DX	DEMOLITION DESIGNATION
REFERENCE NOTE	X	REFERENCE DESIGNATION
PLAN DETAIL	X XX-XX	DETAIL NUMBER SHEET NUMBER
SECTION/ DETAIL	SIM X XX-XX	SECTION/DETAIL NUMBER SHEET NUMBER INDICATES DIRECTION OF VIEW
NEW COLUMN	X	LETTER INDICATES NEW COLUMN LINE
EXISTING COLUMN	X	LETTER INDICATES EXISTING COLUMN LINE
MATCHLINE	AREA A AREA B	
LEVEL	NAME ELEVATION	LEVEL CALLOUT DESIGNATION ELEVATION DESIGNATION
TITLE MARKER	VIEW NAME 1 SCALE: 1/8" = 1'-0"	GRAPHIC AREA FOR DRAWING DETAIL NUMBER TITLE SCALE OF THE DRAWING
NORTH ARROW	NORTH PLAN NORTH TRUE NORTH	

ABBREVIATIONS

ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
AFF	ABOVE FINISH FLOOR
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
AUTO	AUTOMATIC
AVG	AVERAGE
AWG	GAUGE
L	ANGLE
BKR	BREAKER
C OR CL	CENTER LINE
C OR CND	CONDUIT (ELECTRICAL SHEETS)
CKT	CIRCUIT
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CPT	CONTROL POWER TRANSFORMER
CUH	CABINET UNIT HEATER
DC	DIRECT CURRENT
DEG	DEGREE
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DWG	DRAWING
E	EAST
EA	EACH
EL OR ELEV	ELEVATION - GRADE OR BUILDING
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMD	ESTIMATED MAXIMUM DEMAND
EMI	ELECTROMAGNETIC INTERFERENCE
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAEP	FIRE ALARM EXTENDER PANEL
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HR	HOUR
HTG	HEATING
HTR	HEATER
HZ	HERTZ
ID	INSIDE DIAMETER
IES	ILLUMINATING ENGINEERING SOCIETY
IN	INCH
INSUL	INSULATION
INT	INTERIOR
KCMIL KCM	KILO CIRCULAR MIL
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES REACTIVE
KW	KILOWATT
LBS	POUNDS
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MAX	MAXIMUM
MECH	MECHANICAL
MCCB	MOLDED CASE CIRCUIT BREAKER
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO	NUMBER
NTS	NOT TO SCALE
OCPD	OVERCURRENT PROTECTIVE DEVICE
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PSI	POUNDS PER SQUARE IN.
QTY	QUANTITY
REC	RECEPTACLE
REFR	REFRIGERATOR
REINF	REINFORCEMENT
REQD	REQUIRED
RFI	RADIO FREQUENCY INTERFERENCE
S	SOUTH
SCHED	SCHEDULE
SCCR	SHORT CIRCUIT CURRENT RATING
SF	SQUARE FOOT (FEET)
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATIONS
SPKR	SPEAKER
SQ	SQUARE
STD	STANDARD
STL	STEEL
SW	SWITCH
SWBD	SWITCH BOARD
SYM	SYMMETRICAL
TEL	TELEPHONE
TEMP	TEMPERATURE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SYSTEM
VFD	VARIABLE FREQUENCY DRIVE
VFC	VARIABLE FREQUENCY CONTROLLER
W	WEST
W/	WITH
W/O	WITHOUT
WHM	WATTHOUR METER
WT	WEIGHT
XFMR	TRANSFORMER

GENERAL DEMO NOTES

GENERAL NOTES

A. DRAWINGS DO NOT SHOW TOTAL NUMBER OF CONDUCTORS FOR CIRCUITS REQUIRED. PROVIDE THE NUMBER OF CONDUCTORS NEEDED TO COMPLETE INSTALLATION OF SPECIFIC EQUIPMENT FURNISHED. A GREEN GROUND CONDUCTOR, SIZED PER NEC, SHALL ALSO BE INCLUDED IN EACH CIRCUIT. ADJUST CONDUCTOR SIZES AS NEEDED TO LIMIT VOLTAGE DROP TO LEVELS RECOMMENDED BY NEC. THE CONTRACTOR SHALL ALSO COORDINATE INSPECTIONS WITH THE AHJ.

B. SEE E7 SERIES SHEETS FOR LUMINAIRE SCHEDULE.

C. SEE E8 SERIES SHEETS FOR PANELBOARD SCHEDULES.

D. SEE ARCHITECTURAL SHEETS FOR REFLECTED CEILING PLANS.

E. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRAL WIRES BUT CAN SHARE AN INSULATED GREEN GROUND WIRE IN MINIMUM 3/4" EMT CONDUIT.

F. NO BOXES SHALL BE MOUNTED BACK TO BACK.

G. CONTRACTOR TO SEAL ALL PENETRATIONS THROUGH FIRE OR FIRE/SMOKE RATED WALLS AND FLOORS.

H. ALL RACEWAYS SHALL BE SEALED AS REQUIRED BY AND IN ACCORDANCE WITH NEC PARAGRAPHS 230.8, 300.5(G) AND 300.7(A). ALL RACEWAYS SHALL BE SEALED AS REQUIRED BY NEC AND NFPA.

I. CABLE AND CONDUIT SHALL NOT INTERFERE WITH EQUIPMENT ACCESS.

J. ALL CABLING ABOVE CEILING SHALL BE PROPERLY SUPPORTED (NOT FROM CEILING SYSTEM).

K. IN VIEWING THESE DRAWINGS, THE CONTRACTOR SHALL PAY CLOSE ATTENTION TO THE MATCH LINES. SOME WORK AND NOTE REFERENCES MAY BE REPEATED, BUT DO NOT ALWAYS SHOW ON BOTH SIDES OF THE MATCH LINE.

L. CONTRACTOR SHALL COORDINATE FINAL PANEL DIRECTORIES WITH OWNER.

GENERAL LIGHTING NOTES

A. COORDINATE LOCATION OF SWITCH HEIGHTS WITH CASEWORK, FURNITURE AND EQUIPMENT LAYOUTS PRIOR TO ROUGH-IN. SEE ARCHITECTURAL CASEWORK ELEVATIONS FOR CABINET HEIGHTS AND LAYOUTS.

B. ALL OCCUPANCY SENSORS AND OCCUPANCY SENSOR SWITCHES SHALL BE DUAL TECHNOLOGY (INFRARED AND ULTRASONIC). OCCUPANCY SENSORS DO NOT SHOW RELAYS AND TOTAL WIRING REQUIRED FOR PROPER OPERATION. PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

C. EMERGENCY, EXIT, AND NIGHT LIGHTS IN PATHS OF EGRESS SHALL BE CONNECTED TO AN UNSWITCHED HOT LEG OF CIRCUIT SHOWN UNLESS NOTED OTHERWISE.

D. ALL AREAS SHALL BE MANUAL-ON / AUTOMATIC-OFF UNLESS NOTED OTHERWISE. AUTOMATIC-ON / AUTOMATIC-OFF PERMITTED IN BATHROOMS AND SECURITY AREAS.

E. ALL DIMMERS SHALL BE SET TO 50% START LEVEL UNLESS NOTED OTHERWISE.

F. THE SUBMITTAL SHALL BE PREPARED AND SUBMITTED BY THE AUTHORIZED FACTORY REPRESENTATIVE OR THEY SHALL BE REJECTED.

GEN. POWER & AUX SYSTEMS NOTES

A. ALL DEVICES SHOWN SHALL BE MOUNTED AT 18" A.F.F. UNLESS INDICATED OTHERWISE.

B. EACH LOW VOLTAGE CABLE SHALL HAVE INDIVIDUAL RUN BACK TO TERMINATION POINT IN (DATA ROOM). LEAVE 10' OF COILED CABLE AT TELEPHONE BOARD LOCATION. TELEPHONE CABLING SHALL BE (1) CAT 6 TO EACH DEVICE.

C. ALL AUXILIARY CABLE ABOVE CEILING SHALL BE PLENUM RATED WHERE REQUIRED.

D. CEILING MOUNTED DEVICES SHALL BE CENTERED IN CEILING TILE WHERE INSTALLED IN ACOUSTICAL TILE CEILING.

E. ALL PHONE/DATA JACKS SHOWN SHALL BE ROUGH-IN BOXES AND STUB UP 1" CONDUITS TO ABOVE ACCESSIBLE CEILING. PROVIDE PULL STRING WITH PLASTIC BUSHING. PHONE/DATA WIRING BY OTHERS. ALL BOXES SHALL HAVE BOX SUPPORTS.

F. PROVIDE 120 VOLT POWER CIRCUIT(S) FOR AUXILIARY SYSTEMS AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS.

REF. DEMO NOTES (DX)

PROJECT ELECTRICAL REFERENCED DEMOLITION NOTES

REF. NOTES (X)

PROJECT ELECTRICAL REFERENCED NOTES

ELECTRICAL SHEET LIST

E 00	ELECTRICAL INFO SHEET
E101	FIRST FLOOR PLAN - AREA A - LIGHTING
E102	FIRST FLOOR PLAN - AREAS B & C - LIGHTING
E103	SECOND FLOOR PLAN - AREA A - LIGHTING
E104	SECOND FLOOR PLAN - AREAS B & C - LIGHTING
E105	THIRD FLOOR PLAN - AREA A - LIGHTING
E106	THIRD FLOOR PLAN - AREAS B & C - LIGHTING
E201	FIRST FLOOR PLAN - AREA A - POWER & AUXILIARY SYSTEMS
E202	FIRST FLOOR PLAN - AREAS B & C - POWER & AUXILIARY SYSTEMS
E203	SECOND FLOOR PLAN - AREA A - POWER AND AUXILIARY SYSTEMS
E204	SECOND FLOOR PLAN - AREAS B & C - POWER AND AUXILIARY SYSTEMS
E205	THIRD FLOOR PLAN - AREA A - POWER AND AUXILIARY SYSTEMS
E206	THIRD FLOOR PLAN - AREAS B & C - POWER AND AUXILIARY SYSTEMS
E301	ENLARGED PLANS - UNIT TYPICALS
E302	ENLARGED PLANS
E401	SITE PLAN - ELECTRICAL DEMOLITION
E402	SITE PLAN - ELECTRICAL
E501	ELECTRICAL DETAILS
E502	ELECTRICAL DETAILS
E503	ELECTRICAL DETAILS
E504	ELECTRICAL DETAILS
E505	ELECTRICAL DETAILS
E601	POWER RISER DIAGRAM
E701	LUMINAIRE & EQUIPMENT SCHEDULES
E801	PANEL SCHEDULES - NORTH
E802	PANEL SCHEDULES - SOUTH

DESIGNED: DES
DRAWN: DRW
CHECKED: CHK

ISSUE DATE: PROJECT ISSUE DATE

REVISIONS: No.:	DATE:	BY:	DESCRIPTION:

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PRELIM - NOT FOR CONTSTRUCTION

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CLIENT NAME
PROJECT NAME
ADDRESS (OPEN PROJECT INFO TO ENTER)
ADDRESS

ELECTRICAL INFO SHEET

PROJECT NO.:

E 00

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