

SYMBOLS LIST FOR PLANS

- SOME SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE TO TOP U.N.O.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
LIGHTING SYMBOLS		
	FLUORESCENT LUMINAIRE: TYPE "R1"; SEE LUMINAIRE SCHEDULE	---
	CEILING OR WALL MOUNTED LUMINAIRE TYPE "R2", "W2"; SEE LUMINAIRE SCHEDULE	SEE DRAWINGS
	EXIT SIGN FIXTURE (WITH DIRECTIONAL ARROWS AS SHOWN) (TYPE AND MOUNTING AS NOTED; SEE LUMINAIRE SCHEDULE) SHADED AREA DENOTES FACE	94"
	LUMINAIRE ON LIFE SAFETY BRANCH	---
	LUMINAIRE ON CRITICAL POWER BRANCH	---
	SINGLE POLE SWITCH	48"
	OCCUPANCY SENSOR POWER PACK, ABOVE CEILING	---
	OCCUPANCY SENSOR, CEILING MOUNTED	---
	DIMMER	48"
POWER SYMBOLS		
	QUADRUPLX RECEPTACLE - WIRED TO CRITICAL POWER BRANCH	20"
	DUPLEX RECEPTACLE - WIRED TO NORMAL POWER	20"
	QUADRUPLX (DOUBLE DUPLEX) RECEPTACLE	20"
	DUPLEX RECEPTACLE, WEATHERPROOF AND GROUND FAULT INTERRUPTER	20"
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER	48"
	SPECIAL PURPOSE RECEPTACLE (TYPE AS NOTED OR IN SPECIFICATIONS)	SEE DRAWINGS
	DUPLEX RECEPTACLE, FLOOR MOUNTED	---
	JUNCTION BOX, CEILING OR WALL MOUNTED; FLOOR MOUNTED	SEE DRAWINGS
	SINGLE SERVICE PRE-WIRED MULTIPLE OUTLET RACEWAY	SEE DRAWINGS
	MOTOR (BY DIVISION 1-25)	---
	MAGNETIC MOTOR STARTER (STARTER SIZE NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE	60"
	MANUAL MOTOR STARTER	60"
	SAFETY SWITCH (SWITCH SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE	60"
	COMBINATION MOTOR STARTER (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE	60"
	PUSHBUTTON STATION	48"
	CONTROL PANEL	SEE DRAWINGS
	VARIABLE FREQUENCY DRIVE	SEE DRAWINGS
	VOICE/DATA TERMINAL BOARD	60"
	PANELBOARD; SURFACE MOUNTED, FLUSH MOUNTED PANEL DESIGNATION AS SHOWN	72"
	TRANSFORMER	SEE DRAWINGS

SYMBOLS LIST NOTES:

- STRAIGHT LINES BETWEEN DEVICES INDICATE SWITCHED CIRCUIT.
- STRAIGHT LINES BETWEEN DEVICES ON LIGHTING PLANS INDICATE SWITCHED CIRCUIT. ALL LIGHTING FIXTURES IN A ROOM OR CORRIDOR SHALL BE CONTROLLED VIA SWITCHES AND/OR OCCUPANCY SENSORS SHOWN UNLESS NOTED OTHERWISE.
- SOLID SYMBOLS WITH SUBSCRIPT "R" INDICATE EXISTING DEVICES TO REMAIN. SOLID SYMBOLS WITH SUBSCRIPT "REL" INDICATE DEVICES TO BE RELOCATED. SOLID SYMBOLS WITH SUBSCRIPT "RD" INDICATE RELOCATED DEVICES.
- DASHED SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED. DASHED SYMBOLS WITH SUBSCRIPT "REL" INDICATE EXISTING DEVICES TO BE RELOCATED.

TECHNOLOGY SYMBOLS

- SOME SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE TO TOP U.N.O.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
AUDIO/VISUAL SYMBOLS		
	SOUND SYSTEM SPEAKER WITH INTEGRAL VOLUME CONTROL	---
	SOUND SYSTEM SPEAKER, CEILING MOUNTED; WALL MOUNTED	94"
	TELEVISION OUTLET	20"
	SOUND SYSTEM VOLUME ATTENUATOR	48"
FIRE ALARM SYMBOLS		
	COMBINATION FIRE ALARM AUDIBLE AND VISUAL DEVICE	80" TO BOTTOM OF DEVICE MIN. 6" FROM CEILING
	FIRE ALARM VISUAL DEVICE	80" TO BOTTOM OF DEVICE MIN. 6" FROM CEILING
	FIRE ALARM MANUAL PULL STATION	48"
	FIRE ALARM MAGNETIC DOOR HOLDER	72"
	FIRE ALARM FLOW SWITCH	---
	FIRE ALARM TAMPERS SWITCH	---
	CEILING MOUNTED FIRE ALARM SMOKE DETECTOR; HEAT DETECTOR	---
	DUCT MOUNTED FIRE ALARM SMOKE DETECTOR	---
	DUCT MOUNTED AREA SMOKE DETECTOR	---
	WALL MOUNTED SMOKE DETECTOR	---
NURSE CALL SYMBOLS		
	CODE BLUE STATION	60"
	CODE BLUE ANNUNCIATOR	60"
	NURSE CALL - PATIENT STATION	48"
	NURSE CALL - BED RECEPTACLE	60"
	NURSE CALL - DUTY STATION	60"
	NURSE CALL - EMERGENCY PULL CORD STATION	60"
	NURSE CALL - MASTER STATION	---
	NURSE CALL - EMERGENCY PUSH BUTTON STATION	60"
	NURSE CALL - STAFF STATION	60"
	NURSE CALL - TELEVISION INTERFACE	60"
	NURSE CALL CORRIDOR DOME LIGHT FOR PATIENT AREAS, CEILING; WALL MOUNTED, "Z" = ZONE LIGHT	88"
	NURSE CALL - CEILING SPEAKER	---
VOICE/DATA SYMBOLS		
	ACCESS POINT (WI-FI - 1 CAT6)	CEILING
	4 PORT, WALL MOUNT, 4-CAT6, UTP	20"
	WALL MOUNT, 1-CAT6, UTP	54"

LUMINAIRE (LIGHTING) FIXTURE SCHEDULE

NOTES: FIXTURE NUMBER, LETTER PREFIX INDICATES TYPE OF MOUNTING AS FOLLOWS: C-CEILING MOUNTED; S-SUSPENDED; W-WALL MOUNTED; R-CEILING RECESSED; RW-WALL RECESSED; CV-COVE MOUNTED; U-UNDERCABINET; P-POST; G-GROUND MOUNTED; X-UNIVERSAL MOUNTED; T-TRACK, PARTIAL MODEL NUMBERS MAY BE SHOWN AND ARE INTENDED TO INDICATE ACCEPTABLE MANUFACTURER'S PRODUCT LINE. EXACT MODEL NUMBERS MEETING THE FIXTURE DESCRIPTION SHALL BE OBTAINED FROM MANUFACTURER'S AGENTS. ALL FIXTURES MAY NOT BE USED - REFER TO PLANS. DIMENSIONS MAY VARY. REFER TO SPECIFICATIONS SECTIONS 16500 FOR ADDITIONAL REQUIREMENTS SUCH AS FUSING, DIMMING BALLAST AND MULTI-LEVEL SWITCHING REQUIREMENTS, ETC. REFER TO DRAWINGS FOR FIXTURES CIRCUITED TO DIMMERS (PROVIDE WITH DIMMING BALLASTS) AND SHOWN TO BE PROVIDED WITH MULTI-LEVEL CONTROL (PROVIDE WITH DUAL BALLASTS).

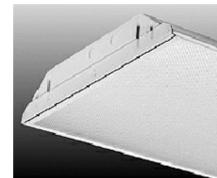
FIXTURE NUMBER	FIXTURE DESCRIPTION	FIXTURE VOLTAGE	LAMP TYPE	APPROVED MANUFACTURERS
R1	2' x 4', 2 LAMP, CEILING RECESSED FLUORESCENT DIRECT INDIRECT LUMINAIRE, WHITE ENAMEL, HIGH REFLECTANCE REFLECTOR, PROVIDE DUST COVER, 20 GAUGE PERFORATION STEEL BASKET HINGED FOR RELAMPING, 20-GAUGE DIE FORMED COLD ROLLED STEEL HOUSING, MATTE WHITE POLYESTER POWDER COAT FINISH, UL LISTED, EQUAL TO R1, EXCEPT PROVIDE 5% DIMMING BALLAST	UNIV	T5HO	MARK POR24-G9-EBPR-OPB APPROVED EQUAL
R2	2' x 4', 3 LAMP, CEILING RECESSED FLUORESCENT STATIC GRID TROFFER WITH 4.5" DEEP WHITE BAKED ENAMEL STEEL HOUSING, MINIMUM .125" PRISMATIC ACRYLIC LENS, MITERED CORNER RECESSED WHITE ALUMINUM DOOR FRAME, WITH CAM LATCHES AND GRID CLIPS, EQUAL TO R2, EXCEPT WITH 2 LAMPS	UNIV	F032/835	DAY-BRITE 2T08 SERIES APPROVED EQUAL
R2A	EQUAL TO R2, EXCEPT WITH 5% DIMMING BALLAST			
R2B	EQUAL TO R2, EXCEPT WITH 5% DIMMING BALLAST			
R2C	EQUAL TO R2, EXCEPT 2' x 2'	UNIV	F017/835	
R2D	EQUAL TO R2, EXCEPT WITH DUAL BALLAST			
R3	2' x 4', 4 LAMP, CEILING RECESSED FLUORESCENT GRID CLEAN ROOM TROFFER, MIN. 4 3/8" DEEP ONE-PIECE, PRIME COLD ROLLED STEEL, FLAT WHITE EXTRUDED ALUMINUM DOOR, .188" PATTERN PRISMATIC ACRYLIC INVERTED LENS, GASKETED, UL WET LISTED, PROVIDE DIMMING BALLAST.	UNIV	F032/835	FAI-SAFE CFE SERIES LIGHTOLIER CXS2GFA SERIES DAYBRITE 2DCL LITHONIA ZSRT SERIES
R3A	EQUAL TO R3, EXCEPT WITH 90 MIN BATTERY BACK-UP			
X4	12' x 8' x 2", UNIVERSAL CANOPY MOUNT, PRE-CAST ALUMINUM CONSTRUCTION SINGLE FACE L.E.D, EXIT SIGN, WHITE HOUSING, RED LETTERS, DIRECTIONAL ARROWS.	UNIV	W/FIXTURE	LITHONIA LEEEN SERIES MSHILBEN 55L2R SERIES SURE-LITES CX SERIES PRESCOLITE GC SERIES PATHWAY LX SERIES EMERGI-LITE DXN SERIES
X4A	EQUAL TO X4, EXCEPT DOUBLE FACE			
R5	2' x 4', 5 OR 8 LAMP, EXAM/AMBIENT LUMINAIRE, SIDE MOUNTED EXAM LIGHTS, SEALED ACRYLIC LENSES, PRISMATIC ACRYLIC FROST LAMP SHIELD, 20 GAUGE STEEL HOUSING, UL LISTED, DUAL BALLAST, PROVIDE LOW VOLTAGE RELAY FOR NURSE CALL INTEGRATION OF AMBIENT PORTION OF LUMINAIRE	UNIV	F032/835(AMBIENT) 5000 K (EXAM)	FAI-SAFE AEA SERIES KENALL MPCADE 24 SERIES
R6	12' x 7' x 50", 2 LAMP, CHAIN MOUNTED FLUORESCENT INDUSTRIAL FIXTURE, WHITE BAKED ENAMEL STEEL HOUSING AND REFLECTOR, 20% UPLIGHT SLOTS, TURRET TYPE LAMP HOLDERS, WITH WIRE GUARD.	UNIV	F032/835	LITHONIA AF332 SERIES DAY-BRITE 2F332 SERIES METALUX DIM332 SERIES
U7	6' x 22' x 1.125" DEEP, 1 LAMP, LOW PROFILE UNDER COUNTER FLUORESCENT TASK LIGHT, LINEAR PRISM ACRYLIC LENS, BAKED WHITE ENAMEL STEEL HOUSING, ROCKER SWITCH, SUPPLIED WITH F13T5 LAMP.	120	13WTS & 8WTS	ALKOD HP138 SERIES NULITE NU SERIES LITHONIA LC SERIES DAYBRITE SUC SERIES
R8	6" DIA, 6" DEEP, 2 LAMP, CEILING RECESSED LENSED FLUORESCENT DOWNLIGHT, CLEAR SEMI-SPECULAR ALZAK REFLECTANCE-FREE REFLECTOR, BAR HANGERS, PREWIRED HOUSING, DAMP LOCATION UL LISTING, PROVIDE 5% DIMMING BALLAST	UNIV	CF26D/835	GOTHAM AF SERIES OMEGA OMI SERIES PORTFOLIO C526 SERIES
R8A	EQUAL TO R8, EXCEPT NON-DIMMING BALLAST			
W9	6' x 2' x 24", 2 LAMP, WALL MOUNTED FLUORESCENT BRACKET FIXTURE, HEAVY DUTY CODE GRADE STEEL HOUSING, MATTE WHITE OPAL ACRYLIC DIFFUSER, UL LISTED.	UNIV	F017/835	LITHONIA WC SERIES DAY-BRITE METALUX

ELECTRICAL SHEET INDEX

SHEET NUMBER	SHEET NAME	SCALE
1-E0	ELECTRICAL SYMBOLS LIST & LUMINAIRE SCHEDULE	N.T.S.
1-ED1	EIGHT EAST LIGHTING DEMOLITION PLAN	1/8"
1-ED2	EIGHT EAST POWER DEMOLITION PLAN	1/8"
1-E1	EIGHT EAST LIGHTING PLAN	1/8"
1-E2	EIGHT EAST POWER PLAN	1/8"
1-E3	EIGHT EAST ENLARGED PLAN	1/8"
1-E4	EIGHT EAST SYSTEMS PLAN	3/8"
1-E5	ELECTRICAL PANEL SCHEDULES	N.T.S.
1-E6	ELECTRICAL WIRING DIAGRAM	N.T.S.



LUMINAIRE TYPE "R1"



LUMINAIRE TYPE "R2"



LUMINAIRE TYPE "R3"



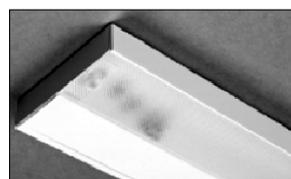
LUMINAIRE TYPE "X4"



LUMINAIRE TYPE "R5"



LUMINAIRE TYPE "S6"



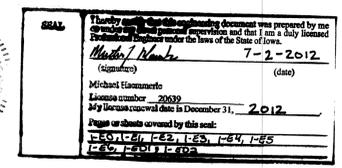
LUMINAIRE TYPE "U7"



LUMINAIRE TYPE "R8"



LUMINAIRE TYPE "W9"



CONSTRUCTION DOCUMENTS

KORDA/NEMETH ENGINEERING, INC.
 1650 WATERMARK DRIVE
 COLUMBUS, OHIO 43215
 DESIGNED BY
 Eric S. Corbin
 DRAWN BY
 Cory A. Cameron
 CHECKED BY
 R. Randy Lowe
 JOB FILE 2011-0812

NO.	REVISIONS/SUBMISSIONS	DATE

Consultant

KORDA/NEMETH ENGINEERING
 1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
 614-487-1650 - FAX 614-487-9981 - WEB www.korda.com

Seal

FED/Matrix
 A Joint Venture

255 COUNTY ROAD 555 SOUTH, BARTOW, FLORIDA 33830
 Telephone: (863) 665-6363 Fax: (863) 667-1773

Drawing Title
ELECTRICAL SYMBOLS LIST & LUMINAIRE SCHEDULE

Approved: Project Director
 Project Director

Project Title
RENOVATE EIGHT EAST FOR ENDOSCOPY & CARDIOLOGY IC VAHCS

Location
 IOWA CITY, IOWA

Date
 07/27/2012

Checked
 RRL

Drawn
 ERC

Project Number
 636A8-12-005

Building Number
 1

Drawing Number
1-E0

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Office of Construction and Facilities Management
 Department of Veterans Affairs