

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

A  
B  
C  
D  
E  
F

SYMBOLS LIST FOR PLANS		
1. SOME SYMBOLS MAY NOT BE USED. 2. 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, "NF" DENOTES NONFUSED	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.

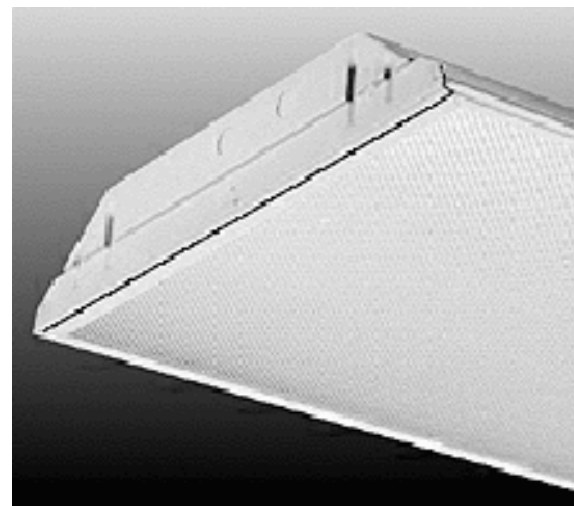
TECHNOLOGY SYMBOLS		
1. SOME SYMBOLS MAY NOT BE USED. 2. MOUNTING HEIGHTS ARE TO TOP U.N.O.		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
AUDIO/VISUAL SYMBOLS		
	SOUND SYSTEM SPEAKER WITH INTEGRAL VOLUME CONTROL	---
	SOUND SYSTEM SPEAKER, CEILING MOUNTED; WALL MOUNTED	94"
	TELEVISION OUTLET	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 TAMPER 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; WR-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 P0R24-G9-E8PR-OPB APPROVED EQUAL
R1A				
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 2T68 SERIES APPROVED EQUAL
R2A				
R2B	EQUAL TO R2, EXCEPT WITH 5% DIMMING BALLAST			
R2C				
R2D	EQUAL TO R2, EXCEPT WITH DUAL BALLAST	UNIV	F017/835	
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, .156" PATTERN PRISMATIC ACRYLIC INVERTED LENS, GASKETED, UL WET LISTED, PROVIDE DIMMING BALLAST, EQUAL TO R3, EXCEPT WITH 90 MIN BOONE BATTERY BACK-UP	UNIV	F032/835	FAIL-SAFE CFE SERIES LIGHTOLIER CXS2GFA SERIES DAYBRITE JDCI LITHONIA ZSRT SERIES
R3A				
X4	12' x 8' x 2", UNIVERSAL CANTY MOUNT, PRE-CAST ALUMINUM CONSTRUCTION SINGLE FACE L.E.D, EXIT SIGN, WHITE HOUSING, RED LETTERS, DIRECTIONAL ARROWS, EQUAL TO X4, EXCEPT DOUBLE FACE	UNIV	W/FIXTURE	LITHONIA LEEELN SERIES MCPHILBEN 55L2R SERIES SURE-LITES CX SERIES PRESOLITE GC SERIES PATHWAY LX SERIES EMERG-LITE DXN SERIES
X4A				
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)	FAIL-SAFE AEA SERIES KENALL MPCADE 24 SERIES
S6	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 DM332 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 LJC SERIES DAYBRITE SUC SERIES
R8	6" DIA, 6" DEEP, 2 LAMP, CEILING RECESSED LENSED FLUORESCENT DOWNLIGHT, CLEAR SEMI-SPECULAR ALZAK RIDESCENCE-FREE REFLECTOR, BAR HANGERS, PREWIRED HOUSING, DAMP LOCATION UL LISTING, PROVIDE 5% DIMMING BALLAST	UNIV	CF260D/835	GOTHAM AF SERIES OMEGA OM1 SERIES PORTFOLIO C6226 SERIES
R8A	EQUAL TO R8, EXCEPT NON-DIMMING BALLAST			
W9	5' x 9' 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	1/8"
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"



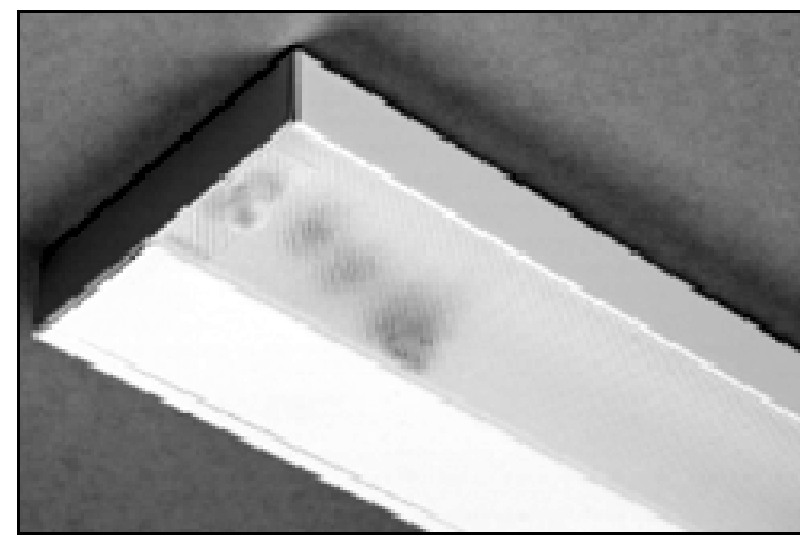
LUMINAIRE TYPE "X4"



LUMINAIRE TYPE "R5"



LUMINAIRE TYPE "S6"



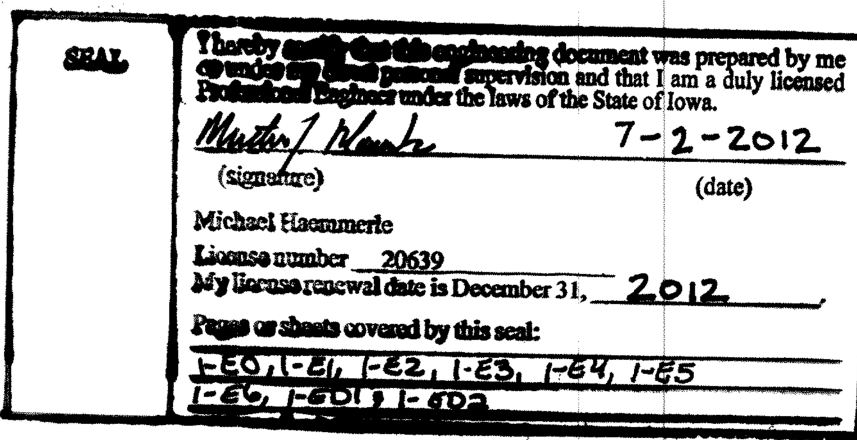
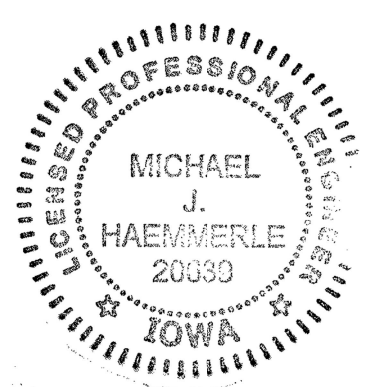
LUMINAIRE TYPE "U7"



LUMINAIRE TYPE "R8"



LUMINAIRE TYPE "W9"



CONSTRUCTION DOCUMENTS

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

NO.	REVISIONS/SUBMISSIONS	DATE
1		
2		
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Consultant  
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Seal

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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