

ELECTRICAL SYMBOLS

- RECEPTACLES (MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)**
- ⊖ DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
 - ⊖ SINGLE RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
 - ⊖ FLOOR RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
 - ⊖ SINGLE RECEPTACLE OUTLET (50A, 250V, 3 POLE, 3 WIRE, NEMA 10-50R)
 - ⊖ SINGLE RECEPTACLE OUTLET (20A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-20R)
 - ⊖ SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-30R)
 - ⊖ SINGLE RECEPTACLE OUTLET (30A, 250V, 3 POLE, 4 WIRE, TWIST-LOCK, GROUNDING TYPE, NEMA 14-50R)
 - ⊖ SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 6-30R)
 - ⊖ DUPLEX RECEPTACLE FOR MOUNTED IN CEILING (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)
 - ⊖ TWO (2) DUPLEX RECEPTACLES MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)
 - ⊖ TWO (2) DUPLEX RECEPTACLES FLOOR MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)

LIGHT FIXTURES

- LIGHT FIXTURE, FLUORESCENT, CEILING MOUNTED.
- LIGHT FIXTURE, FLUORESCENT, WALL MOUNTED.
- LIGHT FIXTURE, FLUORESCENT, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED.
- LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., CEILING MOUNTED. (REFER TO FIXTURE SCHEDULE FOR TYPE).
- LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., WALL MOUNTED. (REFER TO FIXTURE SCHEDULE FOR TYPE).
- ⊕ EMERGENCY BATTERY POWERED LIGHTING UNIT, WITH SELF CONTAINED BATTERY, CHARGER, ETC. (REFER TO FIXTURE SCHEDULE FOR BATTERY TYPE, VOLTAGE, LAMP TYPE, WATTAGE, ETC.) TRIANGLES DEPICT QUANTITY AND AIMING OF LAMP HEADS.
- ⊕ EXIT SIGN, LIGHTED, CEILING MOUNTED. SHADED AREA INDICATES FACE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ EXIT SIGN, LIGHTED, WALL MOUNTED AT 7"-0" AFF UNLESS INDICATED OTHERWISE. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ FLOOD LIGHT. ARROW INDICATES DIRECTION OF BEAM.
- ⊕ DOCK LIGHT
- ⊕ LIGHT FIXTURE IDENTIFICATION SYMBOL. THIS SYMBOL MAY BE USED ON LIGHTING FLOOR PLANS TO IDENTIFY THE FIXTURE TYPE IN A ROOM OR SPACE IN LIEU OF AN UPPER CASE LETTER BESIDE EACH FIXTURE. SUPERSSCRIPT INDICATES QUANTITY. SUBSCRIPT INDICATES MOUNTING HEIGHT.

SWITCHES (MOUNTED AT 46", UNLESS INDICATED OTHERWISE)

- S₁ SWITCH, SINGLE POLE, 20A; LOWER CASE LETTER INDICATES DEVICES CONTROLLED.
- S₂ SWITCH, DOUBLE POLE, 20A
- S₃ SWITCH, 3-WAY, 20A
- S₄ SWITCH, 4-WAY, 20A
- S_X SWITCH, KEY OPERATED, SINGLE POLE
- S_P SWITCH, WITH PILOT LIGHT, SINGLE POLE
- S_M MANUAL MOTOR STARTING SWITCH, WITH THERMAL OVERLOAD ELEMENT AND PROVISIONS FOR LOCKING OPEN
- S_D SWITCH, DIMMING (ON FLUORESCENT FIXTURES, COORDINATE WITH BALLAST MANUFACTURER)
- S_X SWITCH, MULLION
- S_L SWITCH, LOW VOLTAGE WITH MOMENTARY CONTACTS
- S_{OU} SWITCH, OCCUPANCY SENSOR, ULTRASONIC
- S_{OP} SWITCH, OCCUPANCY SENSOR, PASSIVE INFRARED
- OS_P OCCUPANCY SENSOR, PASSIVE INFRARED, CEILING MOUNTED
- OS_W OCCUPANCY SENSOR, PASSIVE INFRARED, WALL MOUNTED
- OS_U OCCUPANCY SENSOR, ULTRASONIC, CEILING MOUNTED
- OS_W OCCUPANCY SENSOR, ULTRASONIC, WALL MOUNTED
- ⊕ MULTIPLE DEVICES LOCATED SIDE BY SIDE (OR ABOVE AND BELOW, IF DIFFERENT ELEVATIONS ARE SHOWN) AT THE LOCATION INDICATED).

ELECTRICAL SYMBOLS

- TELEPHONE/COMMUNICATIONS/DATA (OUTLETS SHALL BE MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)**
- ▶ TELEPHONE OUTLET. OUTLET BOX WITH 3/4" C TO TELEPHONE TERMINAL BOARD OR UNDER RAISED FLOOR AND CABLING. SUBSCRIPT: W - WALL MOUNTED AT 54" AFF; P - PAY TELEPHONE MOUNTED 48" AFF TO COIN SLOT.
 - ▶ TELEPHONE FLOOR OUTLET. OUTLET BOX WITH 3/4" C TO UNDER RAISED FLOOR AND CABLING.
 - ▶ COMBINATION VOICE AND DATA OUTLET. OUTLET BOX WITH 3/4" C TO UNDER RAISED FLOOR AND CABLING FOR BOTH JACKS.
 - ▶ COMBINATION VOICE AND DATA FLOOR OUTLET. OUTLET BOX WITH 3/4" C TO UNDER RAISED FLOOR AND CABLING FOR BOTH JACKS.
 - 4'-0" HIGH x 3/4" THICK VARNISHED PLYWOOD BACKBOARD. SEE PLANS FOR LENGTH.
- PAGING DEVICES**
- ⊕ LOUDSPEAKER OUTLET, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
 - ⊕ LOUDSPEAKER OUTLET, BI-DIRECTIONAL, SURFACE MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
 - ⊕ LOUDSPEAKER OUTLET, CEILING MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
 - ⊕ SPEAKER VOLUME CONTROL

SECURITY (CONDUIT WITH PULL CORD TO UNDER RAISED FLOOR)

- M MAGNETIC ALARM SWITCH
- D DURESS ALARM SWITCH
- MD MOTION DETECTOR
- CD CAPACITIVE DETECTOR
- CCV CCTV CAMERA LOCATION, CEILING MOUNTED UNLESS INDICATED OTHERWISE
- KBH KEYPAD ACCESS ALARM OVERRIDE CONTROL
- CB ELECTRIC PUSH-BUTTON
- CR CARD READER WITH EXIT BUTTON ON SECURE SIDE OF DOOR

SINGLE LINE

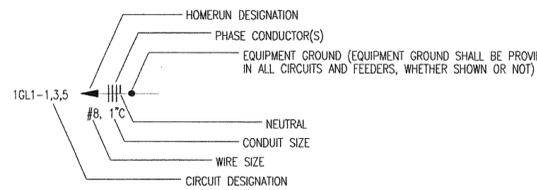
- CB CIRCUIT BREAKER, TRIP RATING AS INDICATED, 3 POLE OR AS INDICATED.
- DISCONNECT SWITCH OR LOAD INTERRUPTER SWITCH, CURRENT RATING AS INDICATED, 3 POLE OR AS INDICATED.
- SWITCH WITH GROUND FAULT INTERRUPTER
- FUSE, CURRENT RATING AND TYPE WHEN INDICATED.
- TRANSFORMER, DESCRIPTION AS NOTED OR PER SCHEDULE
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- SS PHASE SELECTOR SWITCH
- A AMMETER
- V VOLT METER
- WH WATT-HOUR METER

ELECTRICAL SYMBOLS

- SWITCHGEAR**
- ⊕ MAGNETIC MOTOR STARTER (FURNISHED BY DIVISION 15, UNLESS NOTED OTHERWISE)
 - ⊕ ELECTRICAL PANELBOARD, FLUSH MOUNTED
 - ⊕ ELECTRICAL PANELBOARD, SURFACE MOUNTED
 - ⊕ TRANSFORMER
 - ⊕ SAFETY SWITCH; 30A CURRENT RATING UNLESS NOTED OTHERWISE. +4'-0" TO HANDLE
 - ⊕ FUSIBLE SAFETY SWITCH; CURRENT RATING AND FUSE RATING NOTED. +4'-0" TO HANDLE.
 - ⊕ CIRCUIT BREAKER IN WALL MOUNTED ENCLOSURE
- MISCELLANEOUS**
- ⊕ JUNCTION BOX, WALL MOUNT AS INDICATED. FINAL CONNECTION TO BE MADE BY ELECTRICAL CONTRACTOR.
 - ⊕ CLOCK OUTLET, WALL MOUNTED 7'-6" AFF
 - ⊕ MOTOR
 - ⊕ 10" BARE #6 COILED & EXOTHERMICALLY WELDED TO COLUMN
 - ⊕ CABLE TELEVISION OUTLET MOUNTED 18" AFF WITH CONDUIT BELOW RAISED FLOOR
 - ⊕ CABLE TELEVISION OUTLET MOUNTED FLUSH IN RAISED FLOOR
 - ⊕ SECONDARY DISTRIBUTION BOX (4-WAY JOINER)
 - ⊕ MAIN DISTRIBUTION BOX

- CONDUIT RUN, EXPOSED
- - - CONDUIT RUN, CONCEALED
- ~ FLEXIBLE CONDUIT

CIRCUIT INFORMATION



- CIRCUIT DESIGNATION INDICATES PANELBOARD AND CIRCUIT(S) TO WHICH HOMERUN IS CONNECTED.
- WIRE SIZE SHALL BE NO. 12, UNLESS INDICATED OTHERWISE.
- CONDUIT SIZE SHALL BE MINIMUM ALLOWED BY SPECIFICATIONS FOR NO. 12 SIZE WIRE, 3/4" FOR NO. 10, UNLESS INDICATED OTHERWISE.
- CIRCUIT INFORMATION PROVIDED AT THE HOMERUN SYMBOL SHALL APPLY THE ENTIRE LENGTH OF THE CIRCUIT (FROM PANELBOARD TO LAST LOAD).
- WHEN NO PHASE CONDUCTOR OR NEUTRAL IS INDICATED AT THE HOMERUN SYMBOL, PROVIDE ONE PHASE CONDUCTOR AND ONE NEUTRAL, BOTH NO. 12.
- SWITCHING CONDUCTORS, CONDUCTORS FOR NIGHT LIGHT CIRCUITS (UNSWITCHED), ETC. ARE NOT SHOWN, BUT SHALL BE PROVIDED AS NECESSARY.
- WIRE SIZE INDICATED ON THESE DOCUMENTS AS INDICATED BY "NO." OR "F" HAS THE SAME MEANING AS "AWG" (N.E.C. NOMENCLATURE). (i.e. "NO. 12" OR "#12" MEANS "12AWG" IN N.E.C. NOMENCLATURE.)

ABBREVIATIONS:

- GFI = GROUND FAULT INTERRUPTER
- IG = ISOLATED GROUND
- WP = WEATHERPROOF CONSTRUCTION
- UID = UNLESS INDICATED OTHERWISE
- AFF = ABOVE FINISHED FLOOR
- AFL = ABOVE FINISHED LANDING

GENERAL SYMBOLS NOTES:

1. ALL SYMBOLS MAY NOT BE USED.
2. MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR OR GRADE TO THE CENTER LINE OF THE OUTLET, DEVICE, ETC. UNLESS INDICATED OTHERWISE.
3. LARGE AMPACITY CIRCUIT DESIGNATION
EXAMPLE: "4 SETS OF 3#500, #250M, #1/0G, 4" C MEANS IN EACH OF FOUR 4" CONDUITS INSTALL THREE 500 KCM CONDUCTORS, ONE 250 KCM NEUTRAL AND ONE #1/0 GROUND.

MARK	MANUFACTURER & CAT. NO.	VOLTS	LAMP(S)	REMARKS
A	METALUX #IC-232-277-EB81 OR APPROVED EQUAL	277	2-F032T8/SP35	4' INDUSTRIAL CHAIN HUNG
B	HALO #H2413-WG11 OR APPROVED EQUAL	120	1-60W A19	ELEVATOR PIT LIGHT
C	CORELITE #VB-WB-215-XD-277-ACX OR APPROVED EQUAL	277	2-F54T5HO/SP35	DIRECT/INDIRECT PENDANT MOUNTED DIMMABLE - ADJUSTABLE CABLES
CW	CORELITE #VW-SH-215-XD-277-SU-WA OR APPROVED EQUAL	277	2-F54T5HO/SP35	DIRECT/INDIRECT WALL MOUNTED DIMMABLE
D	MP LIGHTING HORIZONTAL DOUBLE RAIL, HEAD: VDR83/BN OR APPROVED EQUAL	120	1-50W MR16	CURVED TRACK WITH HEADS AS INDICATED. SUSPEND TRACK 24"
E	MP LIGHTING HORIZONTAL DOUBLE RAIL, HEAD: VDR83/BN OR APPROVED EQUAL	120	1-50W MR16	STRAIGHT TRACK WITH HEADS AS INDICATED. SUSPEND TRACK 24"
F	(NOT USED)			
FS	HALO #H803-277-801P OR APPROVED EQUAL	277	2-26W DIT	RECESSED SHOWER LIGHT
G	CORELITE #VW-SH-215-XD-277-SU-WA OR APPROVED EQUAL	277	2-F54T5HO/SP35	DIRECT/INDIRECT WALL MOUNTED
H	CORELITE #CI-SN-215-XD-277 OR APPROVED EQUAL	277	2-F54T5HO/SP35	COVE LIGHT
I	METALUX #SNL 232 277 EB81 OR APPROVED EQUAL	277	2-F032T8/SPX35	STAGGERED STRIP
J	METALUX #26332 A125 277 EB81 OR APPROVED EQUAL	277	3-F032T8/SPX35	2X4 TROFFER
K	BEGA#6345 MH OR APPROVED EQUAL	277	1-100W MH QUARTZ	WALL MOUNTED STAIR LIGHT
L	HALO #L2791-MB OR APPROVED EQUAL	277	1-75W MR16	MAIN CORRIDOR LIGHT
M	HALO#M700T-1705C OR APPROVED EQUAL	277	1-70W MH	DOWN LIGHT
N	(NOT USED)			
P	(NOT USED)			
R	INSIGHT #WTS22-IBB-ST-2-SF-WVS OR APPROVED EQUAL	277	1-70W MH	COLUMN MTD LIGHT (UP LIGHT)
SA	INVUE #STS-175MH-MT-55-GM-STR WITH VA1057 ARM OR APPROVED EQUAL	277	1-175W MH	POLE MTD FIXTURE
T	COOPER INVUE #ENT-70-MH-277-EB-FT-GM OR APPROVED EQUAL	277	1-70W MH	WALL MOUNTED
U	METALUX #CL-132-EB81-120	120	1-F032T8/SP35	UNDERCABINET
W	RSA #LX-3002S	120	1-50W MR16	ACCENT LIGHT
Y	MP LIGHTING #MS100/BN OR APPROVED EQUAL	277	2-50W	WALL MOUNTED
Z	FOCAL POINT #FMEW-PA-1-15HO-277V-D-WM-TS-4 OR APPROVED EQUAL	277	1-F54T5HO/SP35	WALL MOUNTED
AA	(NOT USED)			
BB	INSIGHT #EX5-SMS-SA-1-TN-LV-DM OR APPROVED EQUAL	277	1-F54T5HO/SP35	WALL MOUNTED, DIMMING BALLAST
CC	SHAPER #608-18-F-2-26-277-SAL OR APPROVED EQUAL	277	2-26W QUAD CFL	WALL MOUNTED
DD	COOPER #OU-2 OR APPROVED EQUAL	277	INCLUDED	WALL MOUNTED EMERGENCY LIGHT
⊕	SIGNTEX# CRS NB UC 1/2 M BA OR APPROVED EQUAL	277	LED	LED EXIT LIGHT ARROWS AND FACES PER PLANS

LIGHT FIXTURE SCHEDULE GENERAL NOTES:

1. LIGHTS INDICATED TO BE CONTROLLED BY A DIMMER OR A DAY LIGHT SENSOR SHALL BE DIMMABLE. COORDINATE DIMMING BALLAST WITH DIMMING CONTROL TO PROVIDE FUNCTIONING SYSTEM.

GENERAL NOTES:

1. SEE ARCHITECTURAL FOR LOCATION OF ALL DEVICES EXPOSED TO VIEW. FIELD VERIFY WITH ARCHITECT DEVICES NOT INCLUDED IN ARCHITECTURAL.

POLK STANLEY YEARY ARCHITECTS, LTD.

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CONSULTANTS:

- OWNER'S PROJECT ADVISOR:
MOSES TUCKER REAL ESTATE, INC.
- CIVIL ENGINEER:
MCLELLAND ENGINEERS
- LANDSCAPE ARCHITECT:
LARSON BURNS SMITH
- STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.
- MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.
- SUSTAINABLE CONSULTANT:
BNM / ELEMENTS
- GLOBAL VILLAGE CONSULTANT
CAMBRIDGE SEVEN ASSOCIATES
- INTERIOR DESIGNER:
POLK STANLEY YEARY
- GENERAL CONTRACTOR:
CDI

GENERAL NOTES:

NOTES:

ISSUE DATE:
DECEMBER 15, 2003
CORE/SHELL
PACKAGE #5

REVISIONS:

#	DATE	DESCRIPTION
2	11/23/04	PACKAGE 5 - ADDM.02
3	4/07/04	PACKAGE 5 - ADDM.05
4	7/01/04	PACKAGE 7.100% ROLLUP
5	11/12/04	ASI #20
6	11/29/04	ASI #27

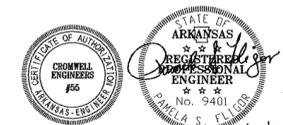
HEIFER INTERNATIONAL CENTER OFFICE BUILDING

LITTLE ROCK, ARKANSAS

PSY PROJECT NUMBER:
431C

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ELECTRICAL SYMBOLS AND
LIGHT FIXTURE SCHEDULE
SHEET NUMBER:

E000



12/15/03