

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
CT	CURRENT TRANSFORMER
E	EMERGENCY
EX	EXISTING
F	FUSE OR FUSED
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL CONDUIT
G OR GND	GROUND
H OR HT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HP	HORSE POWER
IDS	INTRUSION DETECTION SYSTEM
J OR JB	JUNCTION BOX
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NF	NON FUSED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OH	OVERHEAD
PNL	PANELBOARD
PVC	POLY-VINYL CHLORIDE
TBB	TELEPHONE BACKBOARD
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
V	VOLTS
VA	VOLT-AMPERE
W	WATTS
WP	WEATHERPROOF (NEMA 3R)

TELECOMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION
N2	IN-RNET TELCOM STATION OUTLET, 4-PORT FACEPLATE, WHITE, 4 X 4 BACKBOX AND EXTENSION RING. BLUE CAT5E DATA JACK, BLUE CAT 5E UTP CABLE. N-NON-SECURE. NUMERICAL=QUANTITY OF JACKS 3/4" CONDUIT TO NON-SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.
S2	SIP-RNET TELCOM STATION OUTLET, 4-PORT FACEPLATE, WHITE, 4 X 4 BACKBOX AND EXTENSION RING. RED CAT5E DATA JACK, RED CAT 5E UTP CABLE. S-SECURE. NUMERICAL=QUANTITY OF JACKS 3/4" CONDUIT TO SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.
S	SIP-RNET TELCOM STATION OUTLET, 1-PORT FACEPLATE, WHITE, 4 X 4 BACKBOX AND EXTENSION RING. (1) RED CAT5E DATA JACK, (1) RED CAT 5E UTP CABLE. 3/4" CONDUIT TO SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.
N	IN-RNET TELCOM STATION OUTLET, 1-PORT FACEPLATE, WHITE, 4 X 4 BACKBOX AND EXTENSION RING. (1) BLUE CAT5E DATA JACK, (1) BLUE CAT 5E UTP CABLE. 3/4" CONDUIT TO NON-SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.
F	ADDITIONAL SUBSCRIPT F INDICATES JACKS TO BE INSTALLED IN FURNITURE PARTITION. EXTEND CABLES INTO FURNITURE RACEWAY USING FLEXIBLE CONDUIT CONNECTION. PROVIDE COMPATIBLE BEZELS TO INSTAL JACKS.
VTC	VIDEO CONFERENCE STATION OUTLET, 4-PORT FACEPLATE, WHITE, 4 X 4 BACKBOX AND EXTENSION RING. (3) RED CAT5E DATA JACKS, (3) RED CAT 5E UTP CABLES. 3/4" CONDUIT TO SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.
⊞	CATV OUTLET, WHITE FACEPLATE, 4 X 4 BACKBOX AND EXTENSION RING. TYPE F CONNECTOR, 1-R66 QUADSHIELD COAX CABLE. 3/4" CONDUIT TO HEAD END.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
\$ 0	AUTOMATIC LIGHTING CONTROL SWITCH, 120/277V WATSTOPPER AS-100, STAINLESS STEEL COVER. SUBSCRIPT DENOTES FIXTURE CONTROL.
\$ T	2-HOUR MAXIMUM, 10-AMP, 277V LIGHT SWITCH WITH INTEGRAL SPRING WOUND TIMER. INTERMATIC F2H WITH COMMERCIAL COVER.
\$ 0	OCCUPANCY SENSOR WALL SWITCH, PASSIVE INFRARED MANUAL ON/OFF OVERRIDE, TIME ADJUSTED TO 5 MINUTES. STAINLESS STEEL COVER.
Ⓢ	MOTOR RATED TOGGLE SWITCH. 20A, 1P UNLESS NOTED OTHERWISE. VOLTAGE AS REQUIRED BY CIRCUIT.
Ⓢ	CONDUIT AND WIRE, ARROW DENOTES HOME RUN TO SOURCE. HATCHES INDICATE NUMBER OF WIRES WHEN MORE THAN TWO. SHORT HATCH INDICATES NEUTRAL. GROUND WIRE NOT SHOWN WITH HATCH.
Ⓢ	DISCONNECT SWITCH W/VISIBLE BLADES, UNFUSED, HEAVY DUTY. AMPS AND POLES AS NOTED. VOLTAGE AS REQUIRED BY CIRCUIT.
Ⓢ	ELECTRIC WATT-HOUR DEMAND METER, SEE SPECIFICATIONS.
Ⓢ	DUPLEX RECEPTACLE, 20A, MTD, 18" AFF, STAINLESS STEEL COVER.
Ⓢ	DUPLEX RECEPTACLE, 20A, GFCI, 18" AFF, WEATHERPROOF COVER.
Ⓢ	DUPLEX RECEPTACLE, MOUNTED IN MODULAR FURNITURE PARTITION.
Ⓢ	TELEVISION DUPLEX RECEPTACLE, SEE CID DRAWINGS FOR LOCATION.
Ⓢ	DUPLEX RECEPTACLE, MOUNTED IN CEILING.
Ⓢ	SPECIAL OUTLET, NEMA TYPE AS NOTED.
Ⓢ	QUADRAPLEX RECEPTACLE MTD, 18" AFF, STAINLESS STEEL COVER.
Ⓢ	JUNCTION BOX.
Ⓢ	MOTOR, SINGLE PHASE.
Ⓢ	MOTOR, THREE PHASE.
Ⓢ	ELECTRIC HEATING LOAD SUPPLIED BY MECHANICAL.
Ⓢ	LIGHTING CONTROL STATION - LOW VOLTAGE.
Ⓢ	LIGHTNING SURGE ARRESTOR - SERVICE ENTRANCE RATED.

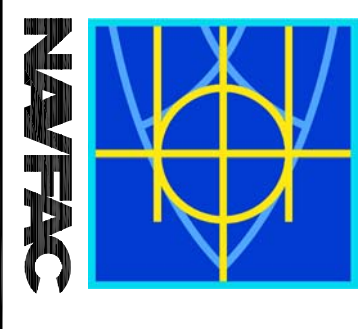
LIGHTING FIXTURE SCHEDULE

FIGURE SYMBOL	DESCRIPTION	LAMP	VOLTAGE	MOUNTING	MODEL NUMBER
△	LENSED TROFFER, #12 PATTERN ACRYLIC, 3-LAMP, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD	3-F32/T8 3500K	277V	RECESSED	COOPER 2GR8-332A-UNV-GL-TEB81-RIF1-U
△	LENSED TROFFER, #12 PATTERN ACRYLIC, 2-LAMP, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD	2-F32/T8 3500K	277V	RECESSED	COOPER 2GR8-232A-UNV-GL-TEB81-RIF1-U
△	VAPORITE STRIP, WET LOCATION, FLUORESCENT, 2-LAMP, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD	2-F32/T8 3500K	277V	SURFACE	COOPER V12-232DR-UNV-TEB81-WL
△	LENSED TROFFER, #12 PATTERN ACRYLIC, 2-LAMP, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD FLANGE FOR GYP CEILING	2-F32/T8 3500K	277V	RECESSED	COOPER 2FR8-232A-UNV-GL-TEB81-RIF1-U
△	FLUORESCENT STRIP WITH WIRE GUARD, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD	2-F32/T8 3500K	277V	PENDANT	COOPER SS-232-UNV-GL-TEB81-RIF1-U
△	LENSED TROFFER, #12 PATTERN ACRYLIC, 3-LAMP, EM/RFI FILTER, 2 ELECTRONIC BALLASTS 10%THD BI-LEVEL SWITCHING	3-F32/T8 3500K	277V	RECESSED	COOPER 2GR8-332A-UNV-GL-TEB82-RIF1-U
△	SHOWER LIGHT, COMPACT FLUORESCENT, GLASS ALBALITE LENS, WHITE TRIM RING MAINTAIN 3" CLEARANCE TO ANY INSULATION	1-26W 4-PIN CFL 3000K	277V	RECESSED	COOPER H285E-70PS-26TTT
△	DOWNLIGHT, COMPACT FLUORESCENT, DIMMING BALLAST, CLEAR REFLECTOR, 6" CAN	1-42W 4-PIN CFL 3000K	277V	RECESSED	COOPER PD6-H142-2DMARX-6HC
△	WALL BRACKET, FLUORESCENT, 2-LAMP, EM/RFI FILTER, ELECTRONIC BALLAST 10%THD	2-F32/T8 3500K	277V	WALL HEIGHT VARIES	COOPER BC-232A-UNV-GL-TEB81-RIF1-U
△	EXTERIOR WALL-MOUNT, CUTOFF, HIGH PRESSURE SODIUM, MULTI-TAP HPF BALLAST, BLACK FINISH	1-250W HPS	277V	WALL HEIGHT VARIES	COOPER HHP-1TM-250-MT-4-F1-BK
△	POLE LIGHT, HIGH PRESSURE SODIUM, CWA BALLAST, TYPE 3 OPTICS, SINGLE ARM-MOUNT TO 40-FOOT ROUND TAPERED ALUMINUM POLE, BLACK FINISH	1-400W HPS	277V	8" ARM MOUNT	COOPER HPTR-3S-400-MT-BRZ
△	POLE LIGHT, HIGH PRESSURE SODIUM, CWA BALLAST, TYPE 5 OPTICS, SINGLE ARM-MOUNT TO 40-FOOT ROUND TAPERED ALUMINUM POLE, BLACK FINISH	1-400W HPS	277V	8" ARM MOUNT	COOPER HPTR-5F-400-MT-BRZ
△	DOWNLIGHT, COMPACT FLUORESCENT, ELECTRONIC BALLAST 10%THD, 6" CLEAR REFLECTOR	1-42W 4-PIN CFL 3000K	277V	RECESSED	COOPER PD6-H142E-6HC
△	HIGH-BAY FLUORESCENT, 8-FOOT TANDEM, HIGH REFLECTANCE OPTICS, EM/RFI FILTER, 2 ELECTRONIC BALLASTS 10%THD	8-F32/T8 3500K	277V	PENDANT	COOPER 818-832G-UNV-L8835-EB82-RIF1
△	DOWNLIGHT, COMPACT FLUORESCENT, ELECTRONIC BALLAST 10%THD, CLEAR REFLECTOR, 6" CAN	1-26W 4-PIN CFL 3000K	277V	RECESSED	COOPER PD6-H126E-6HC
△	VIDEO CONFERENCE INDIRECT, 2X2 FLUORESCENT, ELECTRONIC DIMMING BALLAST	2-40W BIAX 3000K	277V	RECESSED	ELP 240BXVT-TB
△	POLE LIGHT, HIGH PRESSURE SODIUM, CWA BALLAST, TYPE 5 OPTICS, TWIN ARM-MOUNT TO 40-FOOT ROUND TAPERED ALUMINUM POLE, BLACK FINISH	2-400W HPS	277V	8" ARM MOUNTS	COOPER HPTR-5F-400-MT-BRZ
⊙	EXIT SIGN, LED, RED LETTERS, WHITE POLYCARBONATE HOUSING, AC ONLY	RED LED	277V	UNIVERSAL	COOPER LPX60RWH

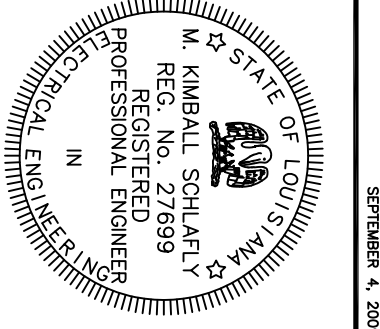
INTEGRATED SECURITY SYSTEM DEVICE LEGEND

ACP	DESCRIPTION
Ⓢ	ACCESS CONTROL PANEL
Ⓢ	FIXED CAMERA
Ⓢ	FIRST BLOCK (I=INSIDE, O=OUTSIDE)
Ⓢ	SECOND BLOCK (A=ANALOG, IP=DIGITAL)
Ⓢ	PIZ CAMERA
Ⓢ	FIRST BLOCK (I=INSIDE, O=OUTSIDE)
Ⓢ	SECOND BLOCK (A=ANALOG, IP=DIGITAL)
Ⓢ	360° CEILING MOUNTED PIR MOTION DETECTOR
Ⓢ	CARD READER 48" A.F.F. 1 GANG 4" BOX
Ⓢ	DOOR CONTACT
Ⓢ	INTERCOM STATION

REVISED PER URS COMMENTS	DATE	APPR
11-5-09		
10-9-09		



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 SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY
 ELECTRICAL TITLE SHEET

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