

| 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                      | NIPRNET 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 NUMERAL=QUANTITY OF JACKS 3/4" CONDUIT TO NONSECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE. |
| ▼ S2                      | SIPRNET 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 NUMERAL=QUANTITY OF JACKS 3/4" CONDUIT TO SECURE CABLE TRAY IN ACCESSIBLE CEILING SPACE.          |
| ▼ S                       | SIPRNET 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                       | NIPRNET 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 INSTALL 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-RG6 QUADSHIELD COAX CABLE. 3/4" CONDUIT TO HEAD END.  |


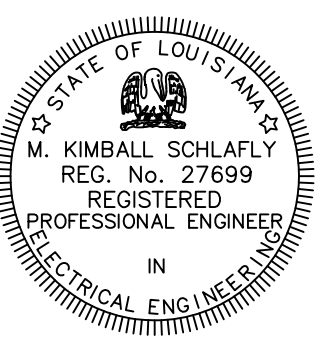
| ELECTRICAL LEGEND |   |
|-------------------|---|
| SYMBOL            | DESCRIPTION   |
| \$o               | AUTOMATIC LIGHTING CONTROL SWITCH, 120/277 WATTSTOPPER AS-100, STAINLESS STEEL COVER SUBSCRIPT DENOTES FIXTURE CONTROL  |
| \$T               | LIGHT SWITCH WITH INTEGRAL SPRING WOUND TIMER, 2-HOUR MAXIMUM, 10-AMP, 277V INTERMATIC FF2H WITH COMMERCIAL COVER   |
| \$O               | 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, STAINLESS STEEL COVER  |
| ⊞ <sup>WP</sup>   | DUPLEX RECEPTACLE, 20A, GFCI, 18" AFF, WEATHERPROOF COVER   |
| ⊞ <sup>F</sup>    | DUPLEX RECEPTACLE, MOUNTED IN MODULAR FURNITURE PARTITION   |
| ⊞ <sup>TV</sup>   | TELEVISION DUPLEX RECEPTACLE, SEE CID DRAWINGS FOR LOCATION   |
| ⊞ <sup>C</sup>    | DUPLEX RECEPTACLE, MOUNTED ABOVE ACCESSIBLE 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 |   |                       |         |                    |   |  |
|---------------------------|---|-----------------------|---------|--------------------|---|--|
| FIXTURE SYMBOL            | DESCRIPTION   | LAMP                  | VOLTAGE | MOUNTING           | MODEL NUMBER                                  |  |
| △                         | LENSED TROFFER, #12 PATTERN ACRYLIC, 3-LAMP, EMI/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, EMI/RFI FILTER, ELECTRONIC BALLAST 10%THD  | 2-F32/T8 3500K        | 277V    | RECESSED           | COOPER 2GR8-232A-UNV-GL-TEB81-RIF1-U          |  |
| △                         | VAPORTITE STRIP, WET LOCATION, FLUORESCENT, 2-LAMP, EMI/RFI FILTER, ELECTRONIC BALLAST 10%THD                                       | 2-F32/T8 3500K        | 277V    | SURFACE            | COOPER VT2-232DR-UNV-TEB81-WL                 |  |
| △                         | LENSED TROFFER, #12 PATTERN ACRYLIC, 2-LAMP, EMI/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, EMI/RFI FILTER, ELECTRONIC BALLAST 10%THD  | 2-F32/T8 3500K        | 277V    | PENDANT            | COOPER SS-232-UNV-GL-TEB81-RIF1-U-WG/SS-4FT-B |  |
| △                         | LENSED TROFFER, #12 PATTERN ACRYLIC, 3-LAMP, EMI/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, EMI/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 HPIP-TM-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 RTA-845394-DX-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 RTA-845394-DX-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, EMI/RFI FILTER, 2 ELECTRONIC BALLASTS 10%THD                          | 8-F32/T8 3500K        | 277V    | PENDANT            | COOPER 8T18-832G-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 RTA-845394-DX-BRZ   |  |
| ⊗                         | EXIT SIGN, LED, RED LETTERS, WHITE POLYCARBONATE HOUSING, AC ONLY   | RED LED               | 277V    | UNIVERSAL          | COOPER LPX60RWH                               |  |

| INTEGRATED SECURITY SYSTEM DEVICE LEGEND |  |
|--|--|
| ⊞  | ACCESS CONTROL PANEL   |
| ⊞  | FIXED CAMERA<br>FIRST BLOCK (I=INSIDE, O=OUTSIDE)<br>SECOND BLOCK (A=ANALOG, IP=DIGITAL) |
| ⊞  | PTZ CAMERA<br>FIRST BLOCK (I=INSIDE, O=OUTSIDE)<br>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   |

**RECORD DRAWING**  
**LETTER DATED**  
**5-27-10**

REVDATE: FILE NAME: C:\Schlafly\ENGR 08010\_SOF Rivertine Drawings Elec 5-As-buils-E1.0.dwg LAYOUT NAME: E1.0 PLOTTED: Friday, May 28, 2010 3:04pm

|   |  |      |     |             |      |
|---|--|------|-----|-------------|------|
| 11-5-09<br>5-27-10  | REVISED PER URS COMMENTS 10-9-09<br>AS-BUILT REVISIONS | DATE | SYN | DESCRIPTION | DATE |
|    |  |      |     |             |      |
| <b>SCHLAFLY ENGINEERING LLC</b><br>121 SOUTH GENOIS STREET<br>NEW ORLEANS LA 70119<br>PHONE 504-415-3347<br>FAX 504-482-7943<br>M. KIMBALL SCHLAFLY, P.E.<br>LA REG 27699<br><small>SEPTEMBER 4, 2009</small>   |  |      |     |             |      |
|   |  |      |     |             |      |
| DES: K. SCHLAFLY   DRW: K. SCHLAFLY<br>REVIEWED BY: R. WILTSE<br>PM/DM: T. ARTRIP<br>CHIEF ENG/ARCH: P. DAMMON  |  |      |     |             |      |
| DEPARTMENT OF THE NAVY<br>NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST<br>NAVAL AIR STATION JACKSONVILLE<br>MISSISSIPPI<br>JOHN C. STENNIS SPACE CENTER<br><b>SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY</b><br><b>ELECTRICAL TITLE SHEET</b>                   |  |      |     |             |      |
| CODE ID. NO. N4412    SIZE    D<br>SCALE: NONE<br>MAXIMO NO. #####<br>STA. PROJ. NO. P-210<br>WORK ORDER NO. 510247<br>CONSTR. CONTR. NO. N62467-05-D-0096<br>NAVFAC DRAWING NO. 15026745<br>SHEET 98 of 132<br><b>E1.0</b><br><small>DRAWING REVISION: 01 JAN 2009</small> |  |      |     |             |      |