

FIXTURE SCHEDULE

| TAG | MANUFACTURER & CATALOG NUMBER | DESCRIPTION | MTG. | LAMP | | VOLTS | WATTS | REMARKS |
|-----|--|---|--------------------------------|-------------------------|-----|--------|-------|---|
| | | | | TYPE | No. | | | |
| A | LITHONIA 25P6 B2U31RW A12125 SLL | 2x2 LENSED RECESSED LAY-IN TROFFER | RECESSED | F031/835 | 2 | 120 | 62 | |
| A2 | LITHONIA 25P6 B232RW A12125 SLL | 2x4 LENSED RECESSED LAY-IN TROFFER | RECESSED | F032/835 | 2 | 120 | 47 | |
| B1 | GOTHAM LAH 50S 11RW SFL | 11" SQUARE LENSED DOWNLIGHT | RECESSED | 50N/HPS | 1 | 120 | 61 | UL LISTED FOR NET LOCATIONS |
| C | LITHONIA 2AV 6 3 17 SBL MVOLT GEB10RS | 2x2 DIRECT/INDIRECT RECESSED LAY-IN W/ CENTER MOUNT PARABOLIC BAFFLE | RECESSED | F017/835 | 3 | 120 | 51 | |
| C2 | LITHONIA 2AV6 232 MDR | 2x4 DIRECT/INDIRECT RECESSED LAY-IN W/ CENTER MOUNT PARABOLIC BAFFLE | RECESSED | F032/835 | 2 | 120 | 47 | |
| D | PRUDENTIAL PRU-7-3T8 04 LPA TMM D1 SC CA48 X3 | 4' SUSPENDED LIGHT FIXTURE | SUSPENDED | F032/835 | 3 | 120 | 73 | |
| E1 | GOTHAM AF 1/26TRT 6AR C6L | 6" RECESSED LENSED WHITE TRIM DOWNLIGHT, HORIZ. LAMP | RECESSED | 26TRT/835 | 1 | 120 | 20 | |
| EM | LITHONIA ELM2-SD | EMERGENCY LIGHT UNIT | SURFACED | FURNISHED W/ FIXTURE | | 120 | 12 | 90 MIN. BATTERY |
| F4 | LITHONIA C 1 32 MVOLT GEB W6CUN | 4' GENERAL PURPOSE STRIP | SURFACE | F032/835 | 1 | 120 | 25 | FURNISH WITH NIREGUARD |
| F5 | PRUDENTIAL LIGHTING P-61 2T8 04' FRA TMM D1 SC 120 MB | 4' SURFACE MOUNTED LIGHT | SURFACE | F032/835 | 2 | 120 | 47 | |
| G | LITHONIA MSQ 50S LUT 120 MLU DBLB | DECORATIVE EXTERIOR WALL-MOUNT | SURFACE | 50N/HPS | 1 | 120 | 61 | UL LISTED FOR NET LOCATIONS |
| H | EVO LUCIA/SEPCO LP315 | 11"x7.5" SURFACE MOUNTED LED | SURFACE | FURNISHED W/ FIXTURE | | 12 VDC | 15 | |
| I | LITHONIA AF10 332 HC36 | 4' THREE LAMP INDUSTRIAL | SUSPENDED ● +12" -0" AFF | F032/835 | 3 | 120 | 73 | (1) 3-LAMP BALLAST W/ B.F. = 0.71 |
| J | LITHONIA MP 2 32 MVOLT GEB10RS | 4' WALL BRACKET | SURFACE | F032/835 | 2 | 120 | 47 | |
| P | GOTHAM L6FV 18TRT 6RW FOL | 6" RECESSED LENSED WHITE SHOWER LIGHT VERT. LAMP | RECESSED | CFTR18W/ 6X24q/835 | 1 | 277 | 25 | UL LISTED FOR NET LOCATIONS |
| R1 | BEACON FL-1-24W-NF-6S | FL66 SPOT LIGHTING | IN GROUND | FURNISHED W/ FIXTURE | | 120 | 24 | |
| R2 | HYDREL 8100-36LED-700MA-WHT30K-MVOLT-SP-YH-LP1 | FL66 SPOT LIGHTING | IN GROUND | FURNISHED W/ FIXTURE | | 120 | 87 | |
| S | HYDREL PDX10-55-22LED-WHT30K-MVOLT-WFL-FLC-34S-LP1 | SIGN LIGHT | GROUND | FURNISHED W/ FIXTURE | | 120 | 22 | |
| Q | LITHONIA AM-232 | 4' WRAP AROUND | SURFACE | F032/835 | 2 | 120 | 47 | |
| X | LITHONIA LES 1R ELN SD | DIE CAST LED ALUMINUM EXIT WITH SELF DIAGNOSTICS | CEILING | FURNISHED W/ FIXTURE | | 120 | 3 | SINGLE FACE SIGN WITH BATTERY PA |

LIGHTING FIXTURE NOTES:

1. THE EXACT MOUNTING LOCATION FOR ALL LIGHT FIXTURES SHALL BE DETERMINED FROM THE ARCHITECTURAL REFLECTED CEILING PLANS.
2. MANUFACTURER AND DESCRIPTIONS NOTED ARE TO ESTABLISH MINIMUM STANDARDS. PRODUCTS WILL BE REVIEWED BASED ON PHOTOMETRICS, CONSTRUCTION AND APPEARANCE.
3. ALL FLUORESCENT AND COMPACT FLUORESCENT LIGHT FIXTURES SHALL BE FURNISHED WITH ELECTRONIC BALLASTS, SEE SPECIFICATIONS.






































FIRE ALARM NOTES

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES.
2. THE LOCATION OF THE AUTOMATIC FIRE ALARM SYSTEM DETECTORS, MANUAL STATIONS, AUDIBLE DEVICES AND REMOTE CALL EQUIPMENT SHALL BE PLANS ARE ONLY FOR REFERENCE AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
3. FIRE PROTECTIVE SIGNALING EQUIPMENT: INSTALLATION OF FIRE PROTECTIVE SIGNALING SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING PROJECT CUT SHEETS FOR EACH COMPONENT OF THE SYSTEM, UPON RECEIPT OF REVIEWED SUBMITTALS FROM THE ARCHITECT, THE ELECTRICAL TRADE SHALL SUBMIT TO AND OBTAIN WRITTEN APPROVAL OF FIRE ALARM SYSTEM AND COMPONENTS FROM THE LOCAL FIRE MARSHAL.
4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
5. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN-UP OF ALL TRADES IS COMPLETE AND FINAL, EXCEPT WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR PROTECTION DURING CONSTRUCTION.
6. THE FIRE ALARM SYSTEM INDICATED ON THE CONTRACT DOCUMENTS IS SHOWN FOR DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL DESIGN OF THE FIRE ALARM SYSTEM AND ITS COMPLIANCE WITH ALL APPLICABLE CODE REQUIREMENTS.

FIRE ALARM SYSTEM SEQUENCE OF OPERATION MATRIX

| CAUSE | | EFFECT | ALARM | | TROUBLE | | SUPERVISORY | | REMARKS |
|-------|---|--------|---------------|---|---|---|-------------|--|---------|
| | | | ALARM AT FACP | ALARM AT OFF-SITE REPORTING ACTIVATE AUDIBLE/VISUAL ALARMS | TROUBLE AT FACP TROUBLE AT REMOTE ANNUNCIATOR TROUBLE AT OFF-SITE REPORTING | SUPERVISORY AT FACP SUPERVISORY AT REMOTE ANNUNCIATOR SUPERVISORY AT OFF-SITE REPORTING | | | |
| 1 | MANUAL FIRE ALARM STATIONS | X | X | X | | | | | 1 |
| 2 | AREA SMOKE OR THERMAL DETECTORS | X | X | X | | | | | 2 |
| 3 | POWER FAILURE | | | | | | | | 3 |
| 4 | FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE CIRCUITS) | | | | X | X | X | | 4 |
| 5 | SPECIAL EXTINGUISHING SYSTEMS (ANSUL SYSTEM) | X | X | X | | X | | | 5 |

STANDARD ELECTRICAL SYMBOLS

 FLUORESCENT LIGHT FIXTURE-RECESSED.
 FLUORESCENT LIGHT FIXTURE-RECESSED.
 FLUORESCENT LIGHT FIXTURE-SURFACE.
 FLUORESCENT LIGHT FIXTURE-SUSPENDED.
 FLUORESCENT LIGHT FIXTURE- INDUSTRIAL STRIP
 EMERGENCY LIGHT.
 LIGHT FIXTURE-WALL MOUNTED.
 LIGHT FIXTURE-RECESSED.
 GROUND MOUNTED LIGHT FIXTURE.
 EXIT SIGN.
 LIGHT FIXTURE TAG, LETTER INDICATES TYPE, SEE FIXTURE SCHEDULE.
 SINGLE POLE TOGGLE SWITCH, +46" UNLESS NOTED.
 SINGLE POLE, 120 VOLT, MANUAL MOTOR STARTER WITH BUILT IN THERMAL OVERLOAD PROTECTION SIZED TO SUIT MOTOR NAMEPLATE RATING. MOUNTED AT +12" UNLESS NOTED.
 SPRING LOADED TIMER SEPCO SLT OR APPROVED EQUAL. +46" UNLESS OTHERWISE NOTED.
 SWITCH SUBSCRIPTS; *abc* = DEVICE CONTROLLED.
 LOW VOLTAGE DC DP/DT DIMMER SWITCH.
 SINGLE LEVEL WALL MOUNTED OCCUPANCY SENSOR, +46" UNLESS NOTED.
 DUAL LEVEL WALL MOUNTED OCCUPANCY SENSOR. +46" UNLESS NOTED.
 CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
 CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR.
 CEILING MOUNTED 12V DC PIR OCCUPANCY SENSOR SEPCO OCS OR APPROVED EQUAL.
 CEILING MOUNTED DUAL LEVEL, DUAL TECHNOLOGY OCCUPANCY SENSOR.
 PHOTO CELL.
 OCCUPANCY SENSOR POWER PACK.
 FUSED DISCONNECT SWITCH WITH TIME DELAY FUSES, SIZE TO SUIT EQUIPMENT NAMEPLATE RATING. MATCH HP RATING WHEN USED WITH MOTOR.
 CONTROL AND/OR EQUIPMENT, N.I.E.S., INSTALL AND CONNECT AS REQ'D. SEE MECHANICAL DRAWINGS.
 MOTOR, N.I.E.S., CONNECT AS REQ'D.
 EQUIPMENT DESIGNATION.
 DISTRIBUTION PANEL.
 PANELBOARD.
 TERMINAL CABINET, SIZE AND TYPE AS INDICATED.
 20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE, +18" UNLESS NOTED.
 20 AMP 125V 3W NEMA 5-20R DOUBLE DUPLEX RECEPTACLE, +18" UNLESS NOTED.
 WELDER RECEPTACLE.
 20 AMP 125V 3W NEMA 5-20R DUPLEX RECEPTACLE, EQUIPPED WITH GROUND FAULT CIRCUIT INTERRUPTER, +18" UNLESS NOTED.
 FLUSH FLOOR MOUNTED POWER/COMMUNICATIONS BOX WITH ONE DUPLEX RECEPTACLE AND PROVISIONS FOR LOW VOLTAGE WIRING. PROVIDE APPROPRIATE COVER PLATE.
 SURFACE NON-METALLIC 2-CIRCUIT PLUG STRIP, WIREMOLD NM2000 SE OR APPROVED EQUAL, WITH PRE-WIRED 15A 120V NEMA 5-15R OUTLETS. RECEPTACLES 12" ON CENTER.

STANDARD ABBREVIATIONS

| | |
|-----|-----------------|
| (E) | EXISTING |
| (N) | NEW |
| C | CONDUIT |
| I/O | INPUT/OUTPUT |
| C/B | CIRCUIT BREAKER |

STANDARD ELECTRICAL SYMBOLS CONT.

▼ TELEPHONE/DATA OUTLET, 2 DATA AND 1 VOICE, CATEGORY 6 CABLE.
 4 11/16" SQUARE X 2 1/8" DEEP BOX WITH ONE DEVICE RING, MOUNTED AT
 +10" UNLESS NOTED. HOMERUN 1" CONDUIT TO DATA CABINET.

DATA OUTLET, CATEGORY 6 CABLE. 4 11/16" SQUARE X 2 1/8" WITH ONE
 DEVICE RING, MOUNTED AT +10" UNLESS NOTED. HOMERUN 1" CONDUIT TO
 DATA CABINET. TERMINATE PER SHEET NOTE.

W
 ▼ WALL TELEPHONE, CATEGORY 6 CABLE. 4 11/16" SQUARE X 2 1/8" DEEP BOX
 WITH ONE DEVICE RING, MOUNTED AT +40" UNLESS NOTED. HOMERUN
 1" CONDUIT TO DATA CABINET. TERMINATE ON 110-BLOCK.

T TELECOMMUNICATIONS SYSTEM GROUND BUS BAR, +04".

H TELEVISION OUTLET, 4 11/16" SQUARE BOX WITH 1-DEVICE
 RING AND PLATE, +10" UNLESS NOTED.

N.I.E.S. NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPECS.

MT EMPTY CONDUIT WITH PULL-LINE.

WP WEATHERPROOF, DAMP OR WET LOCATION AS REQUIRED.

G GREEN INSULATED GROUND WIRE, #12 AWG UNLESS NOTED.

NL NIGHT LIGHT.

(2) NUMBERED NOTE.

- EXISTING CONDUIT RUN TO BE ABANDONED, CONDUIT ABOVE
 THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE
 REMOVED.

--- CONDUIT RUN CONCEALED BELOW FINISHED FLOOR OR GRADE.

← HOME RUN TO RESPECTIVE PANEL OR TERMINAL CABINET.

(BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES
 A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.

1111 GROUNDLINES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE
 THAN 2 WITH 1 #12 AWG GROUND.

10 BRANCH CIRCUIT WITH GROUND WIRE LARGER THAN #12 AWG.
 NUMBER ADJACENT TO GROUNDLINE INDICATES WIRE SIZE.

1111 BRANCH CIRCUIT WITH CONDUCTORS LARGER THAN #12 AWG.
 NUMBER ADJACENT TO GROUNDLINES INDICATES WIRE SIZE.

O CONDUIT RISER UP.

- (E) REMOVE (E) WIRE PULL NEW WIRES, #12 AWG UNLESS NOTED.

FIRE ALARM SYMBOLS

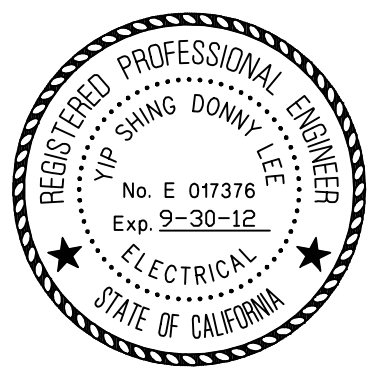
- ☒ FIRE ALARM HORN/STROBE, WALL MOUNTED.
- ☐ FIRE ALARM HORN, WALL MOUNTED.
- ☒ FIRE ALARM STROBE, WALL MOUNTED.
- ☐ FIRE ALARM MANUAL PULL STATION, WALL MOUNTED.
- ☒ FIRE ALARM SMOKE DETECTOR CEILING MOUNTED.
- ☒ FIRE ALARM HEAT DETECTOR CEILING MOUNTED.
- ☒ FIRE ALARM CONTROL PANEL.

SECURITY SYSTEM SYMBOLS

- ① SECURITY SYSTEM PIR MOTION SENSOR, WALL MOUNTED, 6" BELOW FINISHED CEILING.
- ② SECURITY SYSTEM GLASS BREAK DETECTOR, CEILING MOUNTED.
- ☒ SECURITY SYSTEM ALARM SIREN.
- ☒ SECURITY SYSTEM BALANCED MAGNETIC DOOR SWITCH.
- ☒ SECURITY SYSTEM KEYPAD, MOUNTED AT +48".
- ☒ IP SECURITY CAMERA. 1 - CATEGORY 6 CABLE.

| SHEET INDEX | |
|-------------|--|
| SHEET | DESCRIPTION |
| E-1 | SYMBOLS LIST, FIXTURE SCHEDULE AND FIRE ALARM SCHEDULE |
| E-2 | MECHANICAL SCHEDULE AND WIRING DIAGRAMS |
| E-3 | PARTIAL ONE-LINE DIAGRAM AND PANEL SCHEDULES |
| E-4 | ELECTRICAL DETAILS |
| E-5 | ELECTRICAL DETAILS |
| E-6 | ELECTRICAL DETAILS |
| E-7 | ELECTRICAL DETAILS |
| 1400-E1 | PIC/ADMINISTRATION FLOOR PLAN - LIGHTING |
| 1400-E2 | PIC/ADMINISTRATION FLOOR PLAN - POWER & SIGNAL |
| 2000-E1 | COMMITTEE SHELTER FLOOR PLANS - ELECTRICAL |
| 2000-E2 | SOLAR POWER SYSTEMS DETAILS |
| 3000-E1 | MAINTENANCE BUILDING FLOOR PLAN - LIGHTING |
| 3000-E2 | MAINTENANCE BUILDING FLOOR PLAN - POWER & SIGNAL |

CONSTRUCTION DOCUMENTS

[illegible]


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NATIONAL
CEMETERY
ADMINISTRATION

| | | | | |
|--|--|--|--|-------------------------|
| Drawing Title SYMBOLS LIST, FIXTURE SCHEDULE & FIRE ALARM SCHEDULE | | Project Title LOUISIANA NATIONAL CEMETERY GRAVESITE EXPANSION PHASE 1B | | Date: MARCH 22, 2012 |
| Approved: Director, Office of Construction Management | | Building Number | Checked MSS | Drawn BS |
| Approved: Director, Project Management Service | | Location LOUISIANA NATIONAL CEMETERY ZACHARY, LOUISIANA | DRAWING NO. E-1 Dwg. 125 Of 137 | |