

**FIXTURE SCHEDULE**

- F1 LITHONIA, IZ-654L-WD, 6-LAMP T5 FLUORESCENT, HIGH-BAY FIXTURE, TWO INSIDE LAMPS SHALL BE ON ONE SWITCH AND FOUR OUTSIDE LAMPS SHALL BE CONTROLLED BY A SECOND SWITCH.
- F2 LITHONIA, XWLE24, 4' LED DAMP-LOCATION STRIP FIXTURE.
- F3 EXISTING 250W HID HIGH-BAY FIXTURE.
- F4 EXISTING FLOOD LIGHT FIXTURE.

**SYMBOL SCHEDULE**

- FLUORESCENT FIXTURE, SURFACE.
- H.I.D. WALL PACK OR FLOOD FIXTURE.
- ◇ H.I.D. HIGH-BAY FIXTURE.
- S, 20A, 1P WALL SWITCH, SUBSCRIPT DENOTES OUTLET CONTROLLED.
- ⊖ 20A, 3-WIRE, 125V, GROUNDING TYPE DUPLEX RECEPTACLE, NEMA 5-20R.
- ⊖ SAME AS ⊖ EXCEPT MOUNTED ABOVE COUNTER AT HEIGHT AS DIRECTED.
- ⊖ SAME AS ⊖ EXCEPT WITH GROUND FAULT INTERRUPTER.
- ⊖ WP ⊖ SAME AS ⊖ EXCEPT WEATHERPROOF.
- ⊖ JUNCTION BOX 4-1/16" SQUARE OR LESS.
- ⊖ 30A, 2-POLE, 3-WIRE, 289V, GROUNDING TYPE RECEPTACLE.
- ⊖ 50A, 3-POLE, 4-WIRE, 289V, WELDING RECEPTACLE.
- ⊖ DISCONNECT SWITCH.
- PANELBOARD OR LOADCENTER.

WIRING IN RACEWAY RUN EXPOSED (GROSSBARS DENOTE NUMBER OF CONDUCTORS WHEN MORE THAN TWO), REQUIRED GREEN EQUIPMENT GROUNDING CONDUCTORS NOT SHOWN AS A CROSSBAR, ARROWS INDICATE NUMBER OF CIRCUITS.

**SPECIFICATIONS**

1. ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND CITY REGULATIONS AND ORDINANCES.
2. MATERIALS SHALL BE NEW AND U.L. APPROVED, EXCEPT AS INDICATED.
3. CONTRACTOR SHALL APPLY FOR PERMITS AND PAY INSPECTION FEES, NO WORK SHALL BE PERFORMED UNTIL ALL PERMITS ARE OBTAINED AND ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL FROM DIVISION OF REGULATORY INSPECTION AS APPLICABLE.
4. CONDUCTORS SHALL BE COPPER WITH TYPE THIN/TW/N INSULATION, AND SHALL BE #12 AWG OR LARGER.
5. WIRING INSTALLED OUTDOORS SHALL BE CONTAINED IN PVC CONDUIT OR ELECTRIC METALLIC TUBING CONDUIT WITH COMPRESSION FITTINGS, UNLESS INDICATED OTHERWISE.
6. WIRING INSTALLED EXPOSED IN DRY LOCATIONS SHALL BE CONTAINED IN ELECTRIC METALLIC TUBING WITH SET SCREW FITTINGS, UNLESS INDICATED OTHERWISE.
7. RACEWAYS SHALL BE CONCEALED UNLESS INDICATED OTHERWISE.
8. OUTLET BOXES SHALL BE GALVANIZED STEEL, 4" SQUARE X 1 1/2" DEEP, OR LARGER BOX WITH RAISED DEVICE COVER, CEILING BOXES SHALL BE 4" OCTAGONAL X 1 1/2" DEEP OR LARGER, BOXES IN WALLS SHALL NOT BE INSTALLED BACK-TO-BACK.
9. OUTLET BOXES FOR EXPOSED WORK AT DRY LOCATIONS IN MECHANICAL AND ELECTRICAL ROOMS WHERE EXPOSED RACEWAYS ARE INSTALLED SHALL BE 4" SQUARE X 1 1/2" DEEP OR LARGER, APPLICABLE TO DEEP RAISED SURFACE METAL COVERS TO ACCOMMODATE THE DEVICES INDICATED, OUTLET BOXES FOR EXPOSED WORK EXPOSED TO WEATHER OR IN DAMP LOCATIONS SHALL BE OF CAST OR MALLEABLE IRON, SIMILAR TO CROUSE-HINDS TYPE F3 OR F4 CONDUITS, BOXES SHALL HAVE METAL COVERS TO ACCOMMODATE THE DEVICES INDICATED.
10. EACH BRANCH CIRCUIT AND FEEDER SHALL BE PROVIDED WITH A GROUND CONDUCTOR INSTALLED WITH THE CIRCUIT CONDUCTORS, EACH GROUND CONDUCTOR SHALL BE A GREEN INSULATED COPPER CONDUCTOR, SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE NATIONAL ELECTRICAL CODE NFPA 70. THESE GROUNDING CONDUCTORS ARE NOT SHOWN ON THE DRAWINGS.
11. AFTER COMPLETION OF BRANCH CIRCUIT WORK, NEW CORRECTED TYPE WRITTEN DIRECTORIES SHALL BE PROVIDED IN PANELBOARDS AND LOADCENTERS SERVING THE AREA.
12. ELECTRICAL CONTRACTOR SHALL INSTALL POWER WIRING REQUIRED FOR MECHANICAL SYSTEMS.
13. CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR.
14. CONNECTION TO MOTORS SHALL BE MADE WITH A SHORT PIECE OF FLEXIBLE METAL CONDUIT BETWEEN RIGID CONDUIT SYSTEM AND MOTOR TERMINAL BOX.
15. PROVIDE BONDING AROUND CONCENTRIC AND ECCENTRIC KNOCKOUTS ON EQUIPMENT.

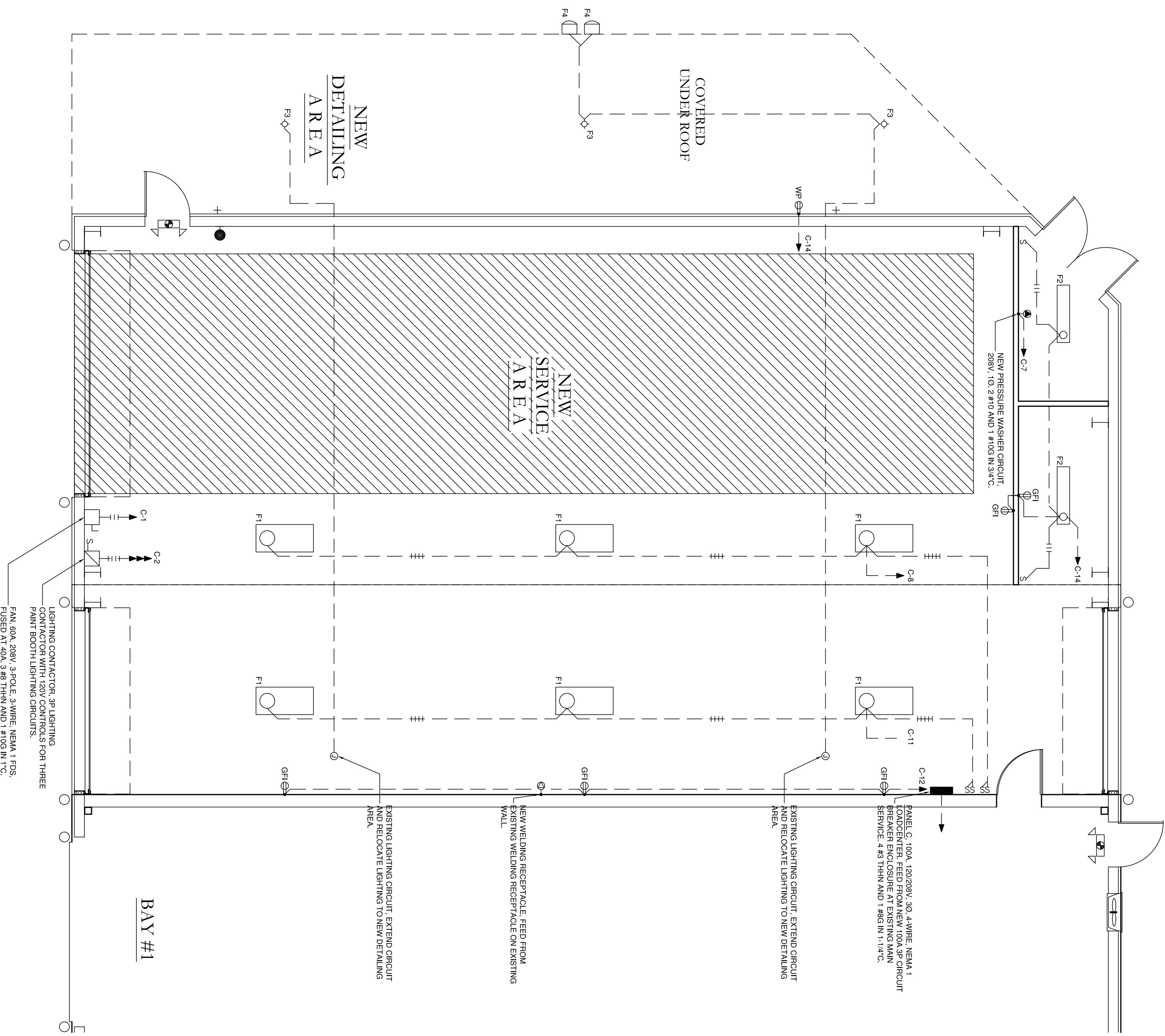
|                    | DIRECTORY |           | PAINT BOOTH LIGHTS |           |
|--------------------|-----------|-----------|--------------------|-----------|
|                    | CKT. NO.  | BKR. AMPS | CKT. NO.           | BKR. AMPS |
| EXHAUST FAN        | 1         | 40        | 20                 | 2         |
|                    | 3         |           | 4                  |           |
|                    | 5         |           | 6                  |           |
| PRESSURE WASHER    | 7         | 30        | 20                 | 8         |
|                    | 9         |           | 10                 |           |
| WAREHOUSE LIGHTING | 11        | 20        | 20                 | 12        |
|                    | 13        |           | 20                 | 14        |
| SPACE              | 15        |           | 16                 |           |
| SPACE              | 17        |           | 18                 |           |
| SPACE              | 19        |           | 20                 |           |

| WAREHOUSE LIGHTING |           | WAREHOUSE RECEPTACLES |           |
|--------------------|-----------|-----------------------|-----------|
| CKT. NO.           | BKR. AMPS | CKT. NO.              | BKR. AMPS |
| 11                 | 20        | 20                    | 12        |
| 13                 |           | 20                    | 14        |
| 15                 |           | 16                    |           |
| 17                 |           | 18                    |           |
| 19                 |           | 20                    |           |

|  |           |           |
|--|-----------|-----------|
| VOLTAGE: 120/208V 3 PHASE 4 WIRE SN 10KALC | PANEL NO. | PANEL C   |
| MAIN BREAKER: 100A, MLO                    | LOCATION  | SEE PLANS |
| MOUNTING SURFACE                           |           |           |



**ELECTRICAL POWER AND LIGHTING PLAN**

SCALE : 1/4" = 1'

**NOTES**

1. THIS DOCUMENT HAS BEEN PREPARED BY ME AND/OR UNDER MY SUPERVISION AND IT COMPLETES TO THE BEST OF MY KNOWLEDGE AND BELIEF WITH LOCAL AND STATE CODE REQUIREMENTS.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AS PER NATIONAL ELECTRICAL CODE NFPA 70 AND BE U.L. LISTED.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH DENTAL DRAWINGS FOR EQUIPMENT LOCATIONS AND SPECIFICATIONS.

| REVISIONS |             |      |
|-----------|-------------|------|
| #         | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |
|           |             |      |

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mstich, PE  
554 Old Spanish Trail  
Sldell, LA 70458

www.dammonengineering.com  
info@dammonengineering.com  
PH: 985.649.5832 F: 985.641.5950

**BUILDING ADDITION FOR**  
**GROUND**  
**ELECTRICAL**

56346 FRANK PICHON RD.  
SLIDELL, LA 70458

JOB No: 2277 DATE: 04/26/2016  
DRAWN BY: RJK CHECKED BY: RJK

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SHEET NO. 6 OF 6

**E101**