

**CITY OF BATON ROUGE  
PARISH OF EAST BATON ROUGE  
DEPARTMENT OF PUBLIC WORKS  
SEWER ENGINEERING DIVISION**

October 20, 2016

**ADDENDUM NO. 3**

TO: ALL BIDDERS

SUBJECT: **MPS PRESCOTT ROAD – GREENWELL SPRINGS ROAD  
CITY-PARISH PROJECT NO. 11-PS-MS-0034**

**ORIGINAL BID DATE: Tuesday, October 11, 2016 at 2:00 p.m.**

**CURRENT BID DATE: Tuesday, October 25, 2016 at 2:00 p.m.**

The following revisions shall be incorporated in and take precedence over any conflicting part of the original contract document:

**PART 1 – UNIFORM CONSTRUCTION BID FORMS:**

1. For paper sealed bidders, with reference to page UCBF 1 of 4 of Part 1, Uniform Construction Bid Forms, the Bidder shall indicate the receipt of this addendum in the space provided. For online Bid Express bidders, an acknowledgement of this addendum will be prompted by the electronic bidding program prior to formally submitting the bid. Failure to indicate the receipt of this addendum shall be cause for the bid to be rejected.

**PART 2 – CONTRACT DOCUMENTS AND SPECIAL PROVISIONS:**

1. For paper sealed bidders, with reference to page UCBF 1 of 4 of Part 1, Uniform Construction Bid Forms, the Bidder shall indicate the receipt of this addendum in the space provided. For online Bid Express bidders, an acknowledgement of this addendum will be prompted by the electronic bidding program prior to formally submitting the bid. Failure to indicate the receipt of this addendum shall be cause for the bid to be rejected.

**DRAWINGS:**

1. Drawing 503-E-2 PS 503 Conduit Layout, Section B:  
REPLACE text “S-102B” with text “S-102A”  
REPLACE text “S-103B” with text “S-103A”
2. ADD attached Drawing 244 – 805-05 Miscellaneous Electrical Details
3. ADD attached Drawing 245 – 805-07 Pedestal Mount Control Panel Details Sheet 1 of 2
4. ADD attached Drawing 246 – 805-07 Pedestal Mount Control Panel Details Sheet 1 of 2

## **COMMENTS & QUESTIONS:**

1. P.S. 503 : On sheets E2 and E3 , there is no designation and descriptions for conduits marked #503-S-102B and #503-S-103B. Can this information be provided?

**See above for revision.**

2. Plans show a CMU exterior wall with split faced CMU veneer on PS 24/24A electrical building. Should this be SSO Program standard split faced cmu block wall?

**The CMU veneer to be as specified in Specification 04 21 15 and texture and pattern as indicated on Exterior Elevations.**

3. PS 24/24A calls for the existing wet well to be converted to a manhole. Is this to receive coating on the interior?

**The existing wet wells to be converted to manholes should be coated as stated in Detail C-901.**

4. PS 24/24A – is the interior exposed metal decking and roof trusses to receive paint? Drawing sheet 24/24A GA-4 calls out a color for the steel framing however, sheet 24/24A GA-2 under the title “coatings,” there is no system for painting the exposed metal deck.

**Paint exposed interior roof deck and joists with same system as Steel Doors and Frames.**

5. Detail for pipe supports, M-108 has two options, MK-1 and MK-2. Which type?

**As stated in the detail, use MK-2 unless otherwise indicated.**

6. Are the average flows known going into PS 24/ 24A?

**The design Average Dry Weather Flow is 2,260 gpm for PS24. PS 24A is only a wet weather station.**

7. Are concrete adapters required for the tie-in shown on detail C-904 for the 30” PCCP force main on Sherwood Street? If so, none are shown in the detail. Also, concerning the same tie-in, 8 hours seems minimal to make this connection. What happens if it cannot be completed in 8 hours?

**Any adaptors needed to make the connection in accordance with pipe manufacturer’s recommendations should be included. The duration and times listed have been preapproved, but still need to be coordinated with DES. Any additional shutdown time needed to complete the work would need to be coordinated and approved by DES.**

## **ATTACHMENTS TO ADDENDUM NO.3 – October 19, 2016**

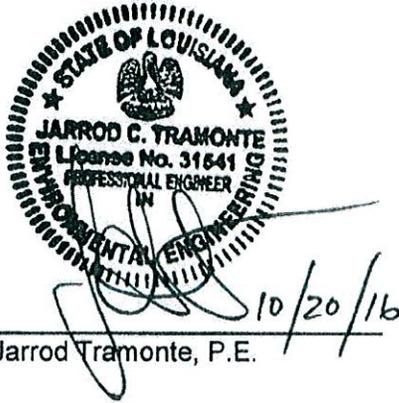
1. Drawing 244 – 805-05 Miscellaneous Electrical Details
2. Drawing 245 – 805-07 Pedestal Mount Control Panel Details Sheet 1 of 2
3. Drawing 246 – 805-07 Pedestal Mount Control Panel Details Sheet 1 of 2

RECOMMENDED:

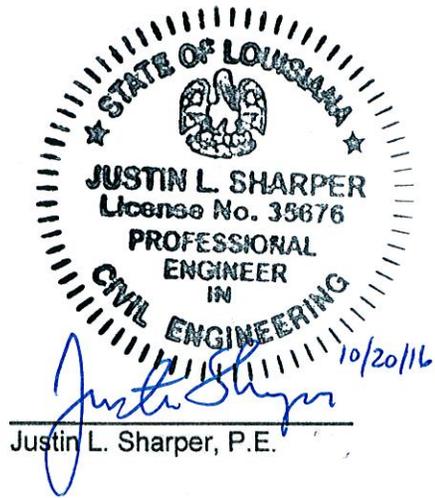


10/20/16

Sparkle D. W. Noble, P.E. 10/20/16



Jarrod Tramonte, P.E.

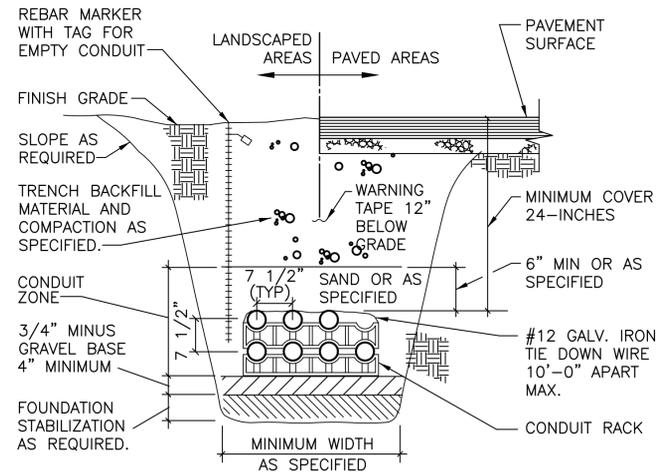


Justin L. Sharper, P.E.

APPROVED:

Adam M. Smith  
Adam M. Smith, P.E.

PROJECT NO.	SHEET



**TYPICAL DUCT BANK SECTION**

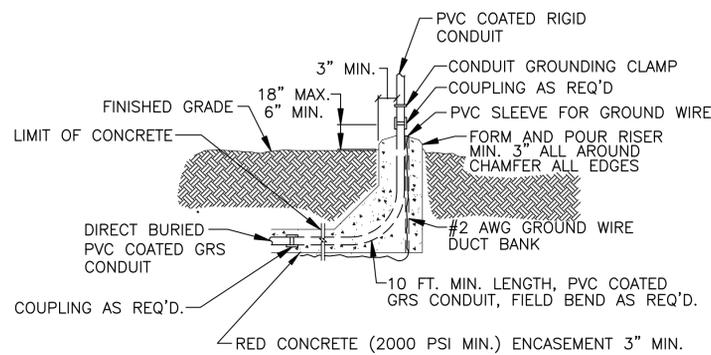
N.T.S.

**NOTES:**

1. NONMETALLIC CONDUITS SHALL NOT BE EXTENDED ABOVE GRADE. REFER TO CONDUIT STUB-UP DETAIL THIS DWG.

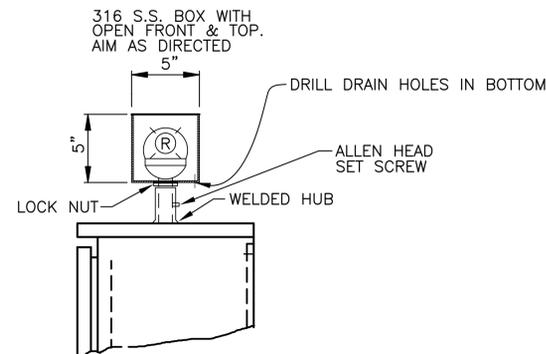
**MISCELLANEOUS ELECTRICAL NOTES**

1. ALL HARDWARE SHALL BE 316 STAINLESS STEEL. (NO EXCEPTIONS)
2. ALL CONDUIT AND FITTINGS ABOVE AND BELOW GROUND SHALL BE PVC COATED RIGID STEEL CONDUIT IN ACCORDANCE W/ SECTION 805.
3. ALL WIRING SHALL BE INSULATED COPPER.
4. CONTRACTOR SHALL COORDINATE WITH PUMP SUPPLIER ON SIZE OF PUMP LEADS AND SENSOR LEADS FOR PROPER CONDUIT SIZING.
5. CONDUIT IN WET WELL SHALL BE THREADED WITH A BUSHING INSTALLED ON CONDUIT, AND NOT SEALED.
6. CONTRACTOR IS RESPONSIBLE FOR ALL STARTUP AND COORDINATION WITH EQUIPMENT SUPPLIER AND PUMP SUPPLIER FOR PROPER INSTALLATION.
7. CONDUIT FOR MOTOR LEADS AND CAPTIVE AIR LINE SHALL ONLY HAVE ONE 90 DEGREE LONG RADIUS BEND IN EACH CONDUIT RUN FROM JUNCTION BOX TO WET WELL. (NO EXCEPTIONS)
8. CONDUITS AND MOTOR LEADS ENTERING WET WELL SHALL NOT CONFLICT WITH PULLING OF PUMPS OR CAPTIVE AIR SYSTEM.
9. CONDUITS ENTERING WET WELL AND CONTROL PANEL SHALL NOT BE INSTALLED OVER FORCE MAIN OR INFLUENT PIPING.
10. DEMONSTRATION OF PUMP PULLING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. COORDINATION WITH THE UTILITY COMPANY AND EAST BATON ROUGE WASTEWATER COLLECTION – FIELD PUMP MAINTENANCE SECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR BEFORE ANY INSTALLATION OF THE ELECTRICAL SYSTEM.
12. ALL UNDERGROUND ELECTRICAL WORK SHALL BE INSPECTED BY THE EAST BATON ROUGE WASTEWATER COLLECTION – FIELD PUMP MAINTENANCE INSPECTOR PRIOR TO BACKFILLING.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL CONTROL PANELS AND CAPTIVE AIR SYSTEMS IN ACCORDANCE WITH THE SPECIFICATIONS.
14. BEFORE CONTROL PANEL SLAB IS INSTALLED, ALL FILL MUST BE COMPACTED AS STATED IN SPECIFICATIONS.
15. IF SETTLING OCCURS AFTER INSTALLATION OF SLAB, CONTROL PANEL AND ELECTRICAL SYSTEM WHICH CAUSES THE SLAB OR PANEL TO BE OUT OF PLUMB OR LEVEL, THE SYSTEM WILL BE REJECTED AND IT WILL BE NECESSARY TO PROPERLY COMPACT THE BASE AND REINSTALL THE SYSTEM TO MEET EAST BATON ROUGE SPECIFICATIONS.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR 24 HOUR TEST AS PER THE SPECIFICATIONS UNTIL SYSTEM IS ACCEPTED BY THE EAST BATON ROUGE WASTEWATER COLLECTION – FIELD PUMP MAINTENANCE SECTION AND THE PROJECT ENGINEER.
17. ALL WORK SHALL COMPLY WITH THE SPECIFICATIONS WITH REGARD TO PUMP STATION INSTALLATIONS.



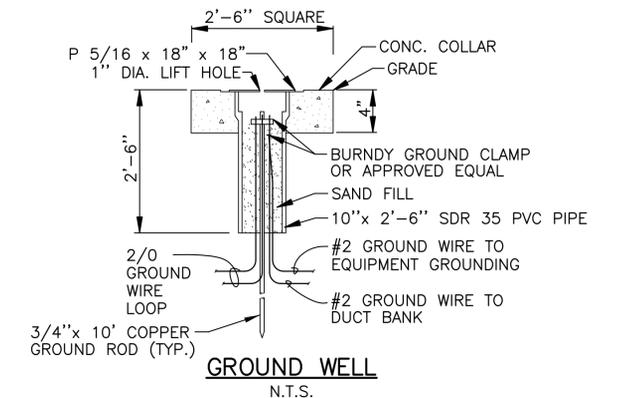
**CONDUIT STUB UP DETAIL**

N.T.S.



**ALARM LIGHT DETAIL**

N.T.S.



**GROUND WELL**

N.T.S.



STANDARD PLAN NO. 805-05	DATED AUGUST 1, 2011	SHEET NO. 1 OF 1
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MISCELLANEOUS ELECTRICAL DETAILS  
(TYPE I OR TYPE II STATION)

ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE			
DESIGNED A. SCHULZE	DRAWN G. VANNICE	CHECKED R. WRIGHT	APPROVED B. HARMON

DATE	DESCRIPTION REVISIONS	BY

NAMEPLATE SCHEDULE			
TAG#	QTY	TYPE	INSCRIPTION
1	1	PLATE	PUMP STATION CONTROL PANEL
2	1	PLATE	PUMP STATION SERVICE PANEL
3	1	PLATE	MAIN DISCONNECT
4	1	PLATE	AUTOMATIC TRANSFER SWITCH
5	1	PLATE	PUMP No.1 DISCONNECT
6	1	PLATE	PUMP No.2 DISCONNECT *
7	1	PLATE	PLC
8	1	PLATE	LEVEL CONTROLS
9	1	PLATE	PUMP CONTROLS
10	1	PLATE	HEATERS, LIGHTS & RECEPTACLE
11	1	PLATE	AREA LIGHT
12	1	PLATE	GENERATOR CONTROLS
13	1	PLATE	GENERATOR JACKET WATER HEATER (2 POLE)
14	1	PLATE	GENERATOR BATTERY CHARGER
14a	1	PLATE	SPARE
15	1	RING	PUMP No.1 RUNNING
16	1	RING	PUMP No.1 FAILURE

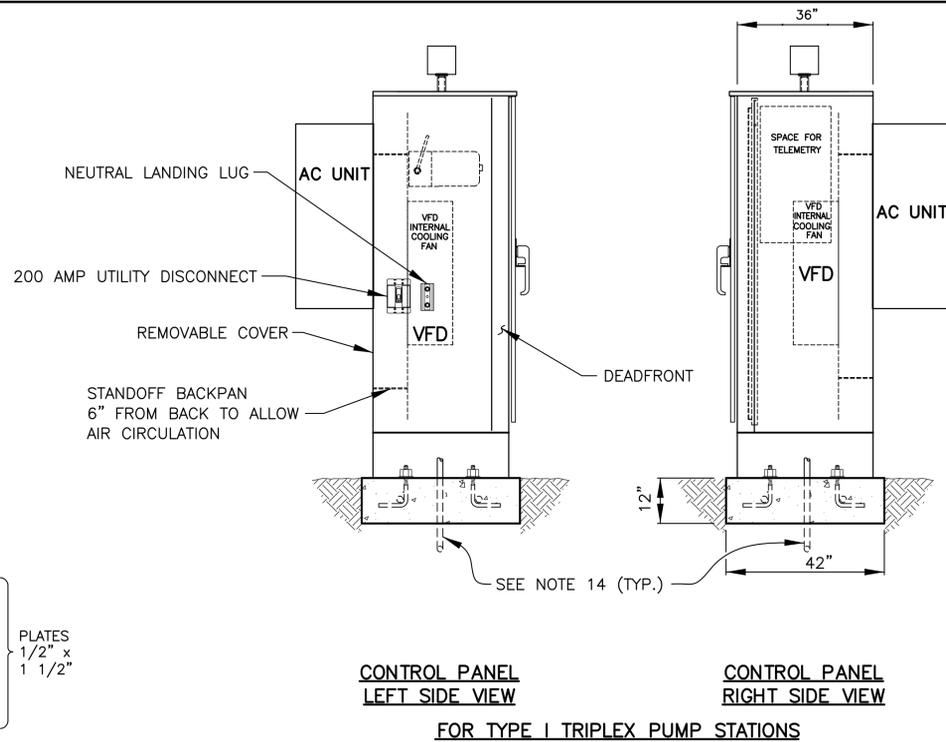
NAMEPLATE SCHEDULE			
TAG#	QTY	TYPE	INSCRIPTION
17	1	RING	PUMP No.1 HAND OFF AUTO
18	1	RING	FUTURE CELLULAR RADIO MODEM
19	1	RING	PUMP No.2 RUNNING *
20	1	RING	PUMP No.2 FAILURE *
21	1	RING	PUMP No.2 HAND OFF AUTO *
22	1	RING	HIGH LEVEL OF COMBUSTIBLE GAS
23	1	RING	PUMP No.1 AMPS Aφ Bφ Cφ
24	1	RING	PUMP No.2 AMPS Aφ Bφ Cφ *
25	1	RING	AREA LIGHT HAND OFF AUTO
26	1	PLATE	TRANSFORMER PRIMARY DISCONNECT
27	1	PLATE	TRANSFORMER SECONDARY DISCONNECT
28	1	PLATE	PUMP No.1 AMPS
29	1	PLATE	PUMP No.2 AMPS *
A	1	PLATE	HIGH LEVEL FLOAT
B	1	PLATE	LOW LEVEL FLOAT
E	1	PLATE	PUMP No. 1 MOISTURE
F	1	PLATE	PUMP No. 2 MOISTURE *

PLATES 1 1/2" x 1 1/2"

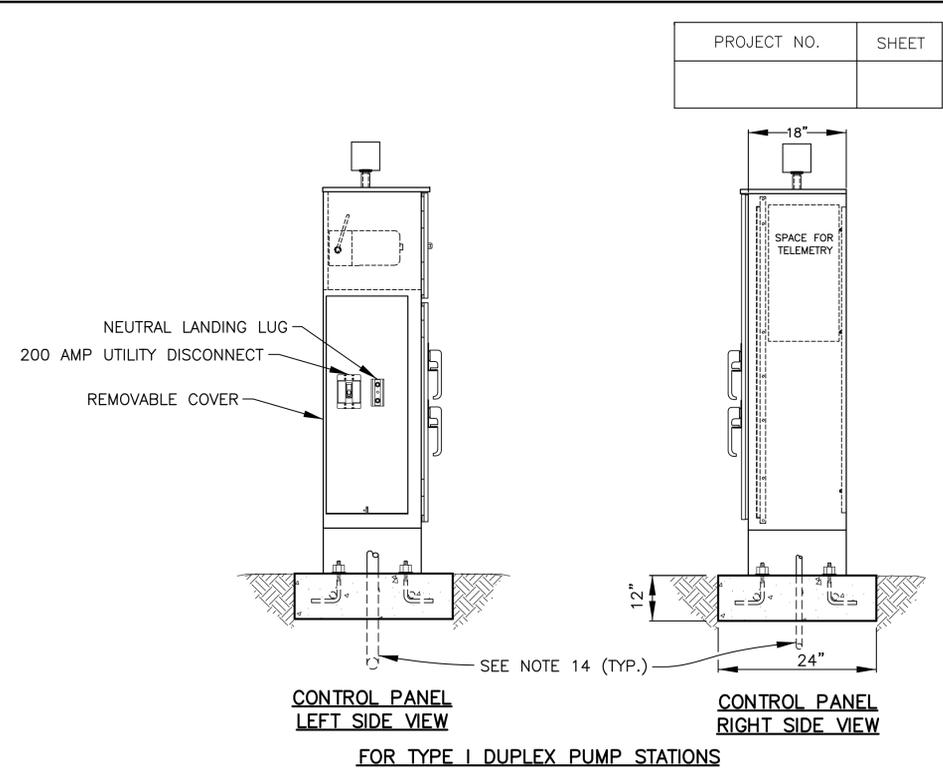
\* SIMILAR INSCRIPTIONS FOR ADDITIONAL PUMPS.

**GENERAL CONSTRUCTION NOTES**

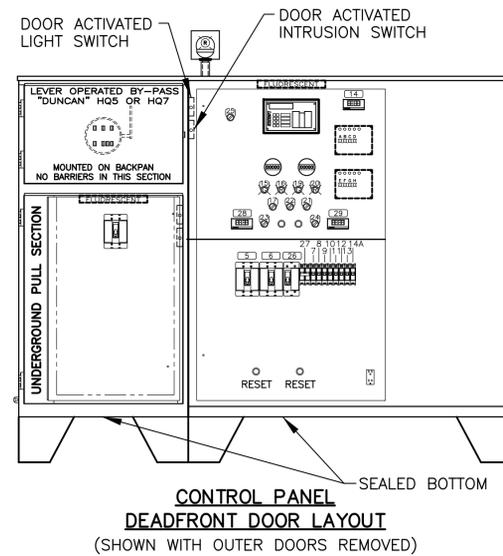
- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- THE CONDUIT SYSTEM, ALL ELECTRICAL EQUIPMENT, ALL STEEL STRUCTURES, MOTOR FRAMES, ETC. SHALL BE CONNECTED TO THE GROUNDING SYSTEM PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH MECHANICAL TRADES. CONDUIT ROUTING AND EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION OF ALL EQUIPMENT AND ROUTING OF CABLES AND CONDUITS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION.
- LOCATIONS OF SERVICE POLE, CONDUITS, BOXES, FITTINGS, ETC., ARE DIAGRAMMATIC. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY ALL SIZES, LOCATIONS, REVIEW ALL MECHANICAL SHOP DRAWINGS AND COORDINATE WITH THE MECHANICAL CONTRACTOR, POWER COMPANY, OWNER AND ENGINEER TO INSURE THE TIMELY DELIVERY AND PROPER INSTALLATION OF ALL ELECTRICAL EQUIPMENT, (I.E. CONTROL PANELS, SERVICE POLE, AREA LIGHTING, ETC.)
- BEFORE INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL SUBMIT DETAILED LAYOUT DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, AREA LIGHTING, CONTROL PANELS, SUPPORTS, ETC. LONG RADIUS 90° BENDS SHALL BE USED AND THE NUMBER OF BENDS SHALL BE MINIMIZED.
- SURGE PROTECTION AND PHASE FAILURE PROTECTION SHALL BE PROVIDED FOR THE MAIN POWER FEED AND ALL SUBCOMPONENTS.
- CONTROL PANEL ENCLOSURE TO BE NEMA 4X CONSTRUCTION. JUNCTION BOXES, RECEPTACLES AND ALL OTHER ELECTRICAL EQUIPMENT USED OUTDOORS SHALL BE OF NEMA 4X CONSTRUCTION.
- MINIMUM CONDUIT SIZE IS 3/4".
- ALL CONDUITS LEAVING THE WET WELL SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 501 OF THE NATIONAL ELECTRICAL CODE FOR CLASS 1 DIVISION 1 LOCATIONS.
- THE PHASE CONDUCTOR WITH THE HIGHER VOLTAGE TO GROUND SHALL BE IDENTIFIED WITH AN OUTER FINISH THAT IS ORANGE PER ARTICLE 110.15 OF THE NATIONAL ELECTRIC CODE.
- THE CONTRACTOR SHALL TEST AND DOCUMENT THE GROUND RESISTANCE OF THE SYSTEM. ALL TEST EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. DRY SEASON RESISTANCE OF THE SYSTEM SHALL NOT EXCEED FIVE OHMS.
- 600 VOLT WIRE AND CABLE SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC CO., GENERAL CABLE CORP., HATFIELD WIRE AND CABLE CO., PIRELLI CABLE CORP., OR APPROVED EQUAL.
- ALL CABLES AND LEADS SHALL BE TESTED FOR CONTINUITY AND POWER LEADS FOR SERVICE ABOVE 125 VOLTS SHALL BE GIVEN A MEGGER TEST.
- PVC COATED RIGID STEEL CONDUIT SHALL BE IN ACCORDANCE WITH SECTION 805.
- CONDUIT SIZE ON PUMP LEADS TO BE DETERMINED BY MOTOR LEAD SIZE. ALL MOTORS OVER 15HP SHALL BE 480 VAC.
- SIZE OF MAIN SERVICE, CONDUCTORS, AUTOMATIC TRANSFER SWITCH, MOTOR STARTERS, MOTOR CIRCUIT BREAKER (MCB) AND CIRCUIT BREAKERS ARE TO BE DETERMINED BY HORSEPOWER ON PUMP SELECTION.
- LEAVE 12"x 12" SPACE FOR FUTURE INSTALLATION OF RADIO MODEM AND ANTENNA.
- THE CONTROL PANEL SHOWN IS TYPICAL OF 200 AMP SERVICE AND AUTOMATIC TRANSFER SWITCH, ON A DUPLEX PUMP STATION. THE SIZE AND NUMBER OF ENCLOSURE SECTIONS MAY VARY BASED ON THE SIZE AND NUMBER OF PUMPS, SERVICE AMPERAGE AND AUTOMATIC TRANSFER SWITCH RATING. CONTROL PANELS WITH VFDs SHALL INCLUDE AIR CONDITIONING TO REMOVE HEAT PRODUCED BY VFDs. AIR CONDITIONER NOT SHOWN ON DRAWING.



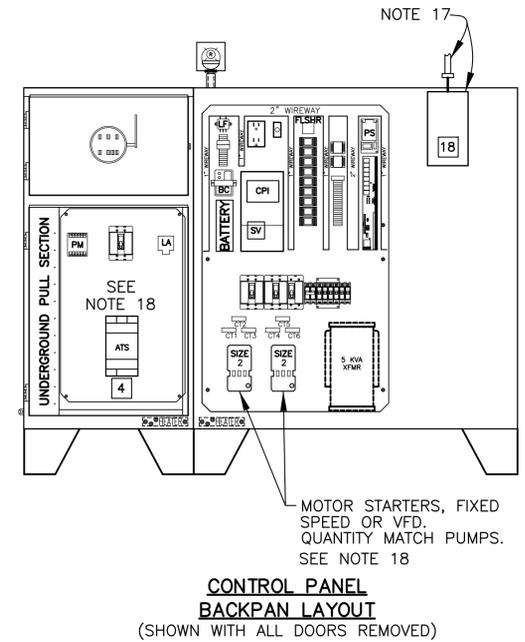
**CONTROL PANEL LEFT SIDE VIEW**  
**CONTROL PANEL RIGHT SIDE VIEW**  
FOR TYPE I TRIPLEX PUMP STATIONS



**CONTROL PANEL LEFT SIDE VIEW**  
**CONTROL PANEL RIGHT SIDE VIEW**  
FOR TYPE I DUPLEX PUMP STATIONS



**CONTROL PANEL DEADFRONT DOOR LAYOUT**  
(SHOWN WITH OUTER DOORS REMOVED)



**CONTROL PANEL BACKPAN LAYOUT**  
(SHOWN WITH ALL DOORS REMOVED)

MANUFACTURER'S NAME		MANUFACTURER'S NAME		
PHONE # (000) 000-0000		PHONE # (000) 000-0000		
LOCATION ADDRESS		LOCATION ADDRESS		
# T-000000		# T-000000		
# 00-000		# 00-000		
INDUSTRIAL CONTROL PANEL				
VOLTAGE	PHASE	WIRES	MAINS AMPERES	HZ
230 V OR 480 V	3	4	200	60
SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN:				
AMPERES		AT		VOLTAGE
14,000		RMS SYM.		230 V
METER SOCKET RATING 200 A. CONT.				
ENCLOSURE: TYPE 4X NOTE 17				

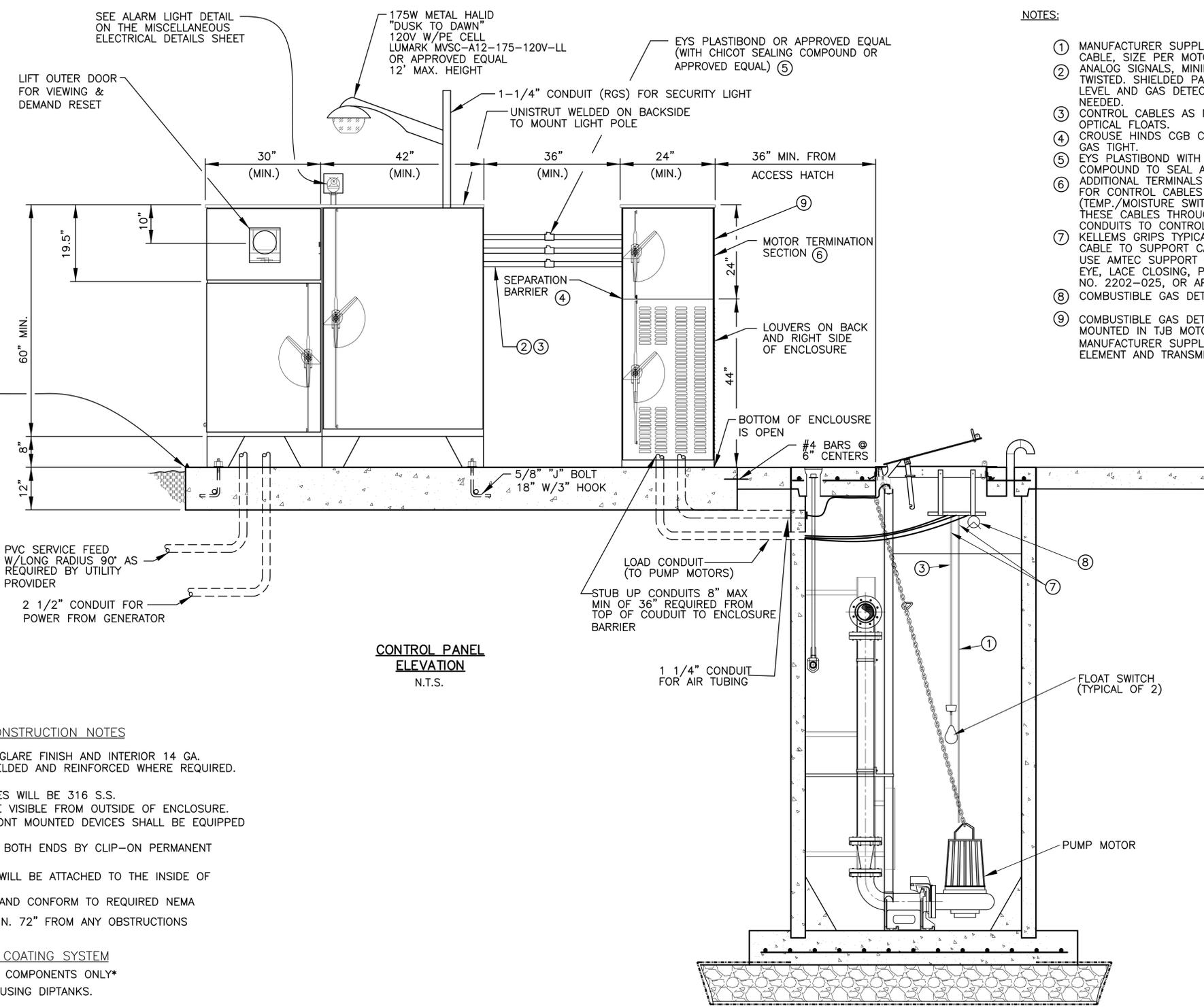
**NAME PLATE EXAMPLE**



DATE	DESCRIPTION	BY

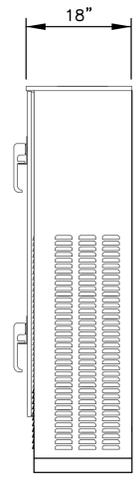
STANDARD PLAN NO. 805-07	DATED AUGUST 1, 2011	SHEET NO. 1 OF 2
<b>PEDESTAL MOUNT CONTROL PANEL DETAILS (TYPE I STATION)</b>		
ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE		
DESIGNED A. SCHULZE	DRAWN G. VANNICE	CHECKED R. WRIGHT
APPROVED B. HARMON		

PROJECT NO.	SHEET



**NOTES:**

- ① MANUFACTURER SUPPLIED MOTOR CABLE, SIZE PER MOTOR HP.
- ② ANALOG SIGNALS, MINIMUM TWO TWISTED, SHIELDED PAIRS FOR LEVEL AND GAS DETECTION - AS NEEDED.
- ③ CONTROL CABLES AS NEEDED FOR OPTICAL FLOATS.
- ④ CROUSE HINDS CGB CABLE FITTING GAS TIGHT.
- ⑤ EYS PLASTIBOND WITH SEALING COMPOUND TO SEAL AIR GAP.
- ⑥ ADDITIONAL TERMINALS AS NEEDED FOR CONTROL CABLES (TEMP./MOISTURE SWITCHES). RUN THESE CABLES THROUGH CONTROL CONDUITS TO CONTROL PANEL.
- ⑦ KELLEMS GRIPS TYPICAL EACH CABLE TO SUPPORT CABLE WEIGHT. USE AMTEC SUPPORT GRIPS OFFSET EYE, LACE CLOSING, PART NO. 2202-025, OR APPROVED EQUAL.
- ⑧ COMBUSTIBLE GAS DETECTOR ELEMENT.
- ⑨ COMBUSTIBLE GAS DETECTOR TRANSMITTER MOUNTED IN TJB MOTOR TERMINATION SECTION. MANUFACTURER SUPPLIED CABLE BETWEEN GAS ELEMENT AND TRANSMITTER.



**TERMINATION PANEL SIDE VIEW**  
N.T.S.

**CONTROL PANEL ELEVATION**  
N.T.S.

**ENCLOSURE CONSTRUCTION NOTES**

1. EXTERIOR 12 GA. 316 S.S. WITH NO-GLARE FINISH AND INTERIOR 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 4X.
3. ALL NUTS, BOLTS, SCREWS AND HINGES WILL BE 316 S.S.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. ALL CIRCUIT BREAKERS AND DEAD FRONT MOUNTED DEVICES SHALL BE EQUIPPED WITH PHENOLIC NAMEPLATES.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY CLIP-ON PERMANENT PLASTIC WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA
9. CONTROL PANEL SHALL BE PLACED MIN. 72" FROM ANY OBSTRUCTIONS OR OPENINGS.

**POLY-PORC COATING SYSTEM**  
\*PAINT INTERIOR COMPONENTS ONLY\*

- FIVE STAGES OF METAL PREPARATION USING DIPTANKS.
1. ALKALINE CLEANER 160°F.
  2. CLEAR WATER RINSE.
  3. IRON PHOSPHATE APPLICATION 150°F.
  4. CLEAR WATER RINSE.
  5. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°F
  6. FINISH SHALL BE POLYESTER DRY POWDER, ELECTROSTATICALLY APPLIED AND BAKED ON AT 380°F.



STANDARD PLAN NO. 805-07	DATED AUGUST 1, 2011	SHEET NO. 2 OF 2
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**PEDESTAL MOUNT CONTROL PANEL DETAILS (TYPE I STATION)**

ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE			
DESIGNED A. SCHULZE	DRAWN G. VANNICE	CHECKED R. WRIGHT	APPROVED B. HARMON

4-13	REVISED GENERAL NOTES AND ADDED BUBBLE NUMBERS TO DRAWING	A.S.
DATE	DESCRIPTION	BY
	REVISIONS	