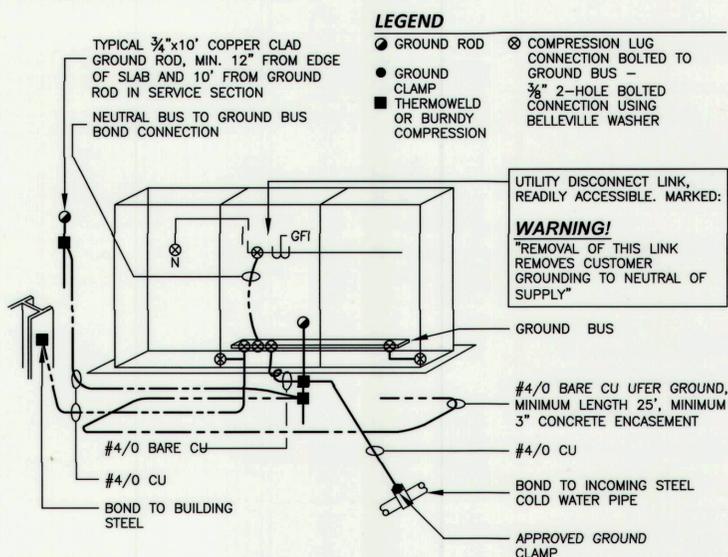
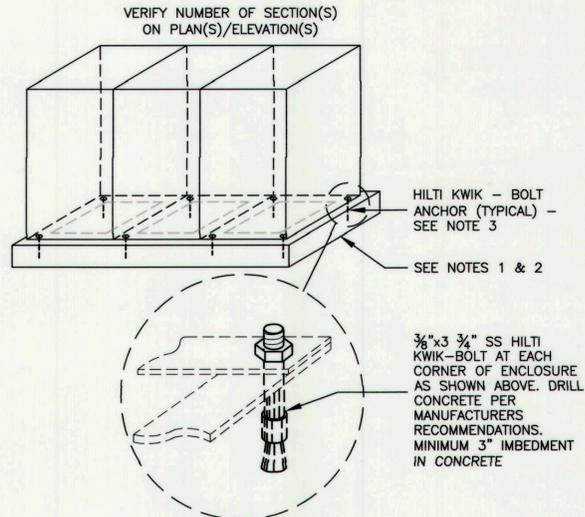


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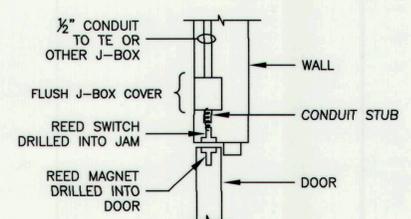
1 SWITCHBOARD GROUNDING

NOTE: SERVICE GROUND SIZE AS SHOWN OR AS PER TABLE 250-94-CEC (CURRENT). ALL GROUND CONDUCTORS TO BE COPPER.



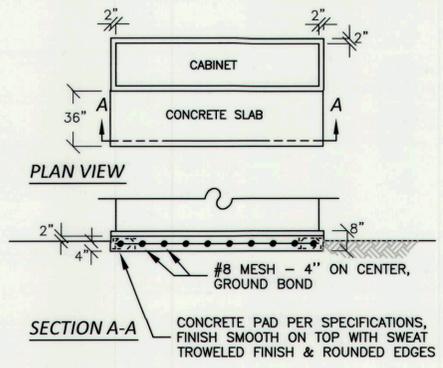
2 SWITCHBOARD SLAB MOUNT

- NOTES:
- 1) FOR INDOORS - 1 1/2" HIGH HOUSEKEEPING PAD. 2" WIDE ALONG BACK, BOTH SIDES AND FRONT.
 - 2) FOR OUTDOORS - 3 1/2" HIGH HOUSEKEEPING PAD. 2" WIDE ALONG BACK, BOTH SIDES AND AS SHOWN ON PLANS FOR FRONT.
 - 3) 4 ANCHORS FOR 1ST SECTION AND 2 ANCHORS FOR EACH ADDITIONAL SECTION.

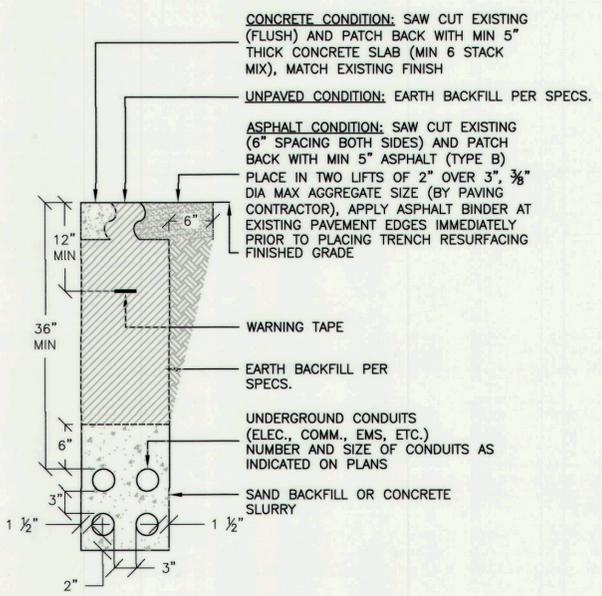


3 SECURITY DOOR SWITCH

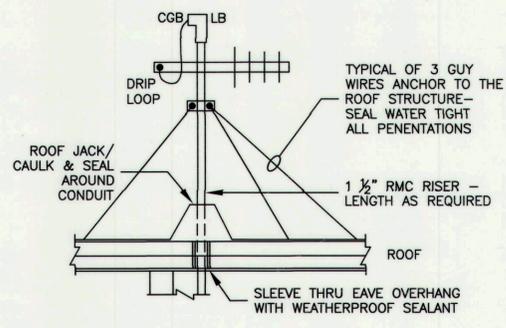
- LEGEND**
- GROUND ROD
 - GROUND CLAMP
 - THERMOWELD OR BURNDY COMPRESSION
 - ⊗ COMPRESSION LUG CONNECTION BOLTED TO GROUND BUS - 3/8" 2-HOLE BOLTED CONNECTION USING BELLEVILLE WASHER



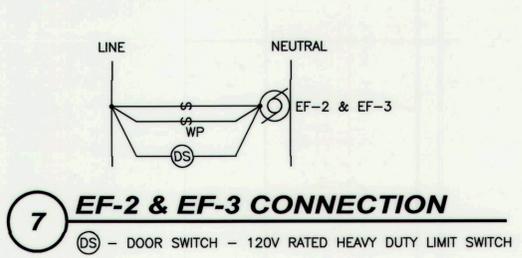
4 CABINET SLAB MOUNT



5 TRENCH SECTION

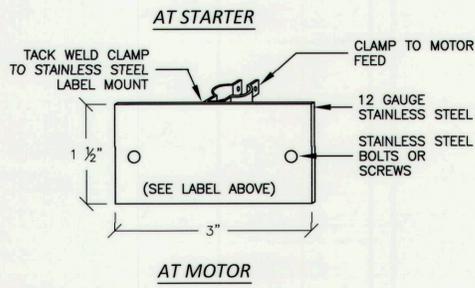


6 ANTENNA ROOF MOUNT

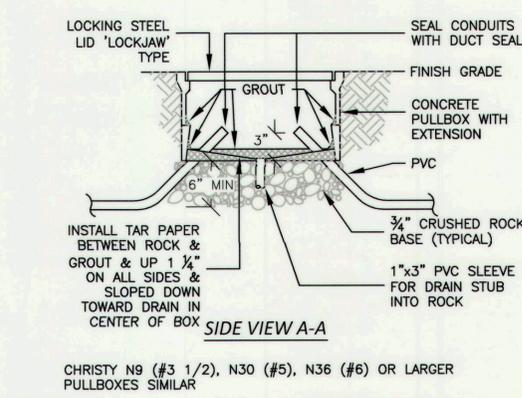
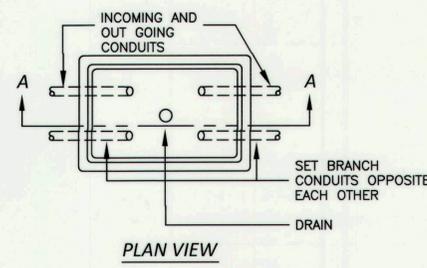


7 EF-2 & EF-3 CONNECTION

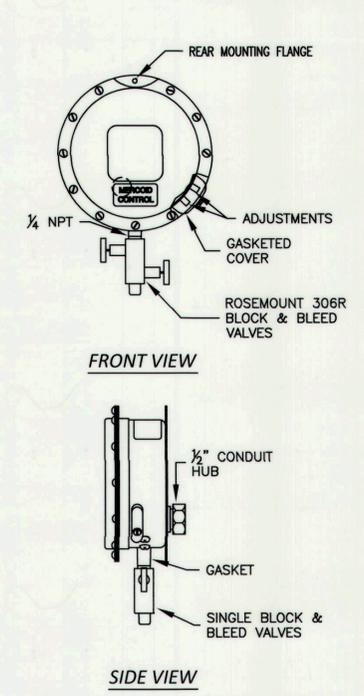
MCC- (MOTOR CONTROL CENTER)
 PUMP (MOTOR DESCRIPTION)
 HP (HORSEPOWER)
 WHITE LAMICOID W/ BLACK LETTERS



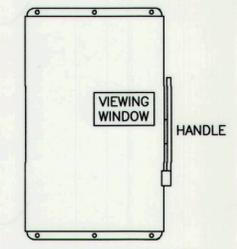
8 MOTOR LABELING



9 PULLBOX WITH EXTENSION



10 MERCOID DAW SNAP ACTION HPS DETAIL



11 PUMP MOTOR TERMINATION ENCLOSURE

FULL LOAD BREAK NEMA 3R SAFETY SWITCH, CUTLER HAMMER OR EQUAL

BOYS RANCH 2A

JOB: LS-15-174	DATE: NOV 2016
FILE: LS174_BR2-DT07	
PLOT: 3/30/2017 9:22 AM / 1:1	
DSGN: JPP	DRWN: CRT

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ELECTRICAL POWER SYSTEMS INC.
 PROFESSIONAL AND CONSULTING ELECTRICAL ENGINEERING
 4049 N FRESNO ST, FRESNO, CA 93726
 P: (559) 221-7230 F: (559) 221-0507



DATE: 3-17-17

ELECTRICAL DETAILS
 Construction of 2 Pump Stations
 Boys Ranch 2A & Jackson 3A
 City of Morgan Hill
 Morgan Hill, California

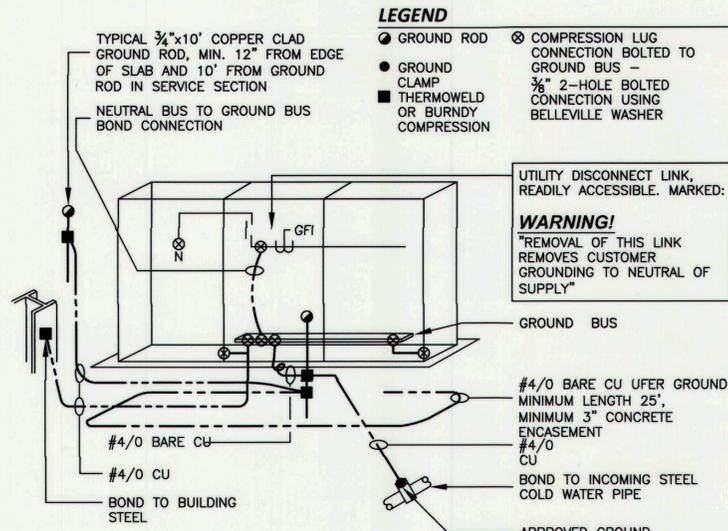
LUHDOFF & SCALMANINI
 CONSULTING ENGINEERS
 500 FIRST STREET
 WOODLAND, CALIFORNIA
 PHONE: (530) 661-0109

NO.	DATE	REVISION

DATE: MARCH 2017
 JOB NO.: 15-3-053
 DESIGN BY:
 DRAWN BY:
 CHECKED BY:
 FILE:

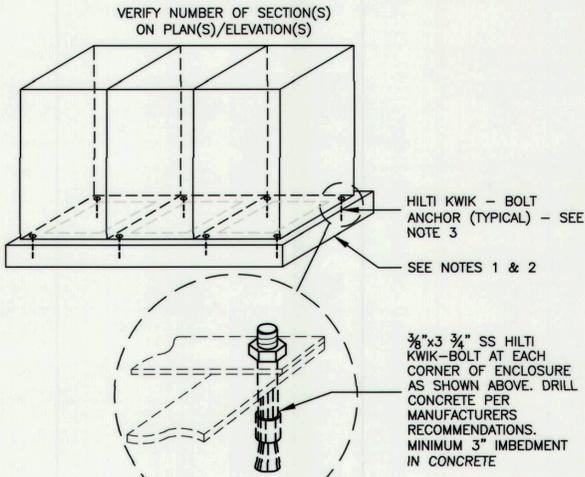
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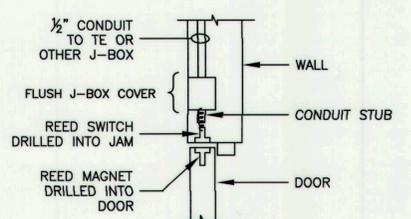
1 SWITCHBOARD GROUNDING

NOTE: SERVICE GROUND SIZE AS SHOWN OR AS PER TABLE 250-94-CEC (CURRENT). ALL GROUND CONDUCTORS TO BE COPPER.

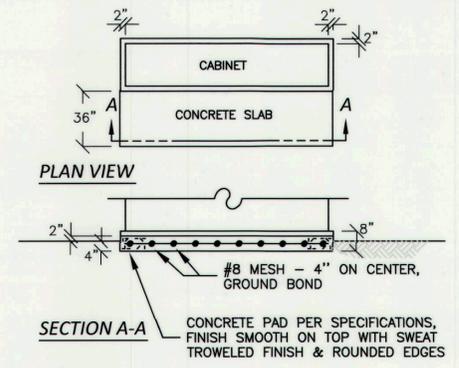


2 SWITCHBOARD SLAB MOUNT

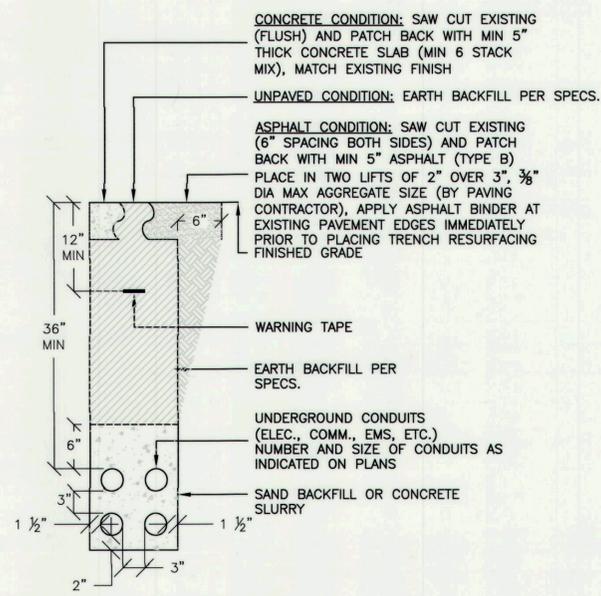
- NOTES:
- 1) FOR INDOORS - 1 $\frac{1}{2}$ " HIGH HOUSEKEEPING PAD. 2" WIDE ALONG BACK, BOTH SIDES AND FRONT.
 - 2) FOR OUTDOORS - 3 $\frac{1}{2}$ " HIGH HOUSEKEEPING PAD. 2" WIDE ALONG BACK, BOTH SIDES AND AS SHOWN ON PLANS FOR FRONT.
 - 3) 4 ANCHORS FOR 1ST SECTION AND 2 ANCHORS FOR EACH ADDITIONAL SECTION.



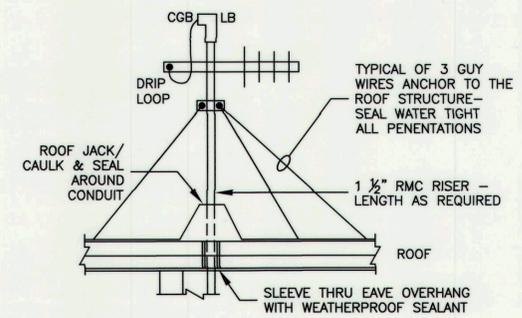
3 SECURITY DOOR SWITCH



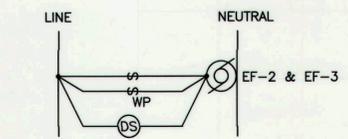
4 CABINET SLAB MOUNT



5 TRENCH SECTION

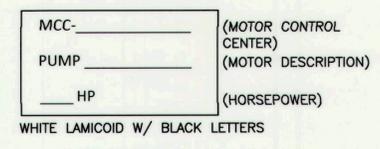


6 ANTENNA ROOF MOUNT

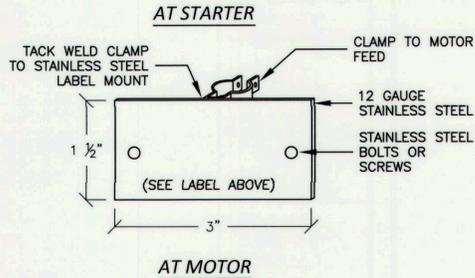


7 EF-2 & EF-3 CONNECTION

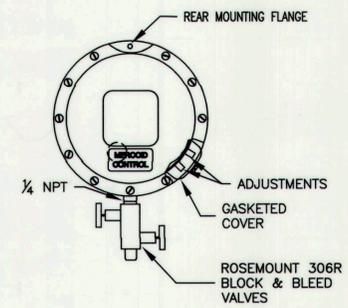
DS - DOOR SWITCH - 120V RATED HEAVY DUTY LIMIT SWITCH



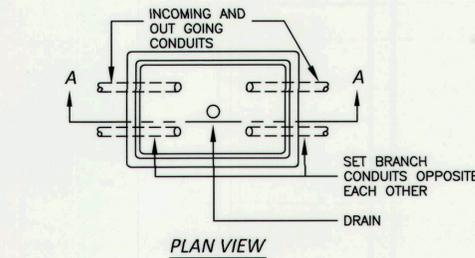
8 MOTOR LABELING



9 PULLBOX WITH EXTENSION

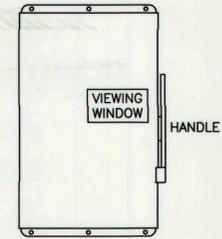


10 MERCOID DAW SNAP ACTION HPS DETAIL



11 PUMP MOTOR TERMINATION ENCLOSURE

FULL LOAD BREAK NEMA 3R SAFETY SWITCH, CUTLER HAMMER OR EQUAL



JACKSON 3A

JOB NO.: LS-15-174	DATE: NOV 2016
FILE: LS174-J-DT07A	
PLOT: 3/30/2017 9:38 AM / 1:1	
DSGN: JPP	DRWN: CRT

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PROFESSIONAL AND CONSULTING ELECTRICAL ENGINEERING

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REGISTERED PROFESSIONAL ENGINEER
JOSEPH P. PREVENDAR
No. 18581
ELECTRICAL
STATE OF CALIFORNIA
DATE: 3-21-17

ELECTRICAL DETAILS
Construction of 2 Pump Stations
Boys Ranch 2A & Jackson 3A
City of Morgan Hill
Morgan Hill, California

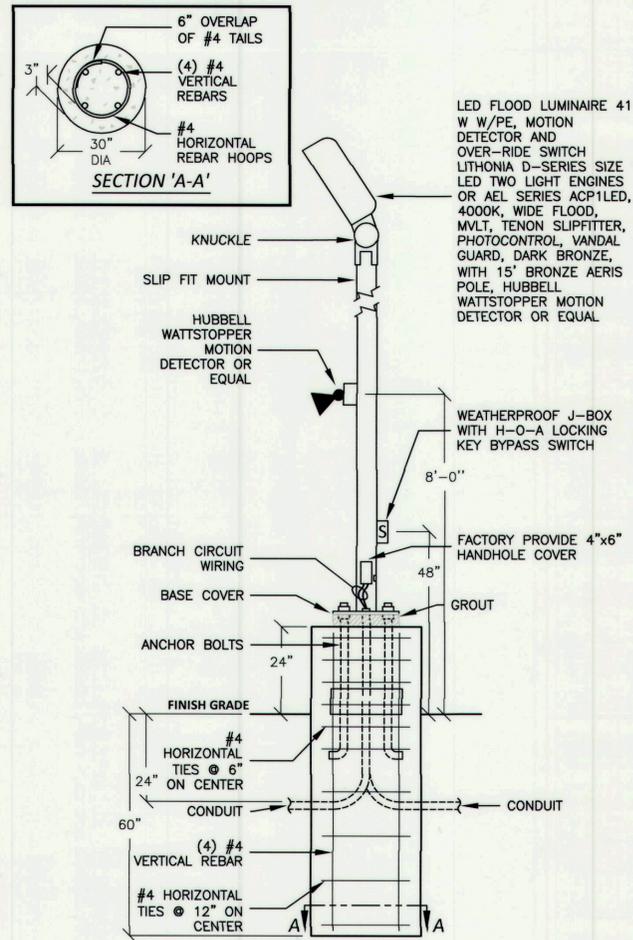
LUHDORFF & SCALMANINI CONSULTING ENGINEERS
500 FIRST STREET
WOODLAND, CALIFORNIA
PHONE: (530) 661-0109

NO.	DATE	REVISION

DATE: MARCH 2017
JOB NO.: 15-3-053
DESIGN BY:
DRAWN BY:
CHECKED BY:
FILE:

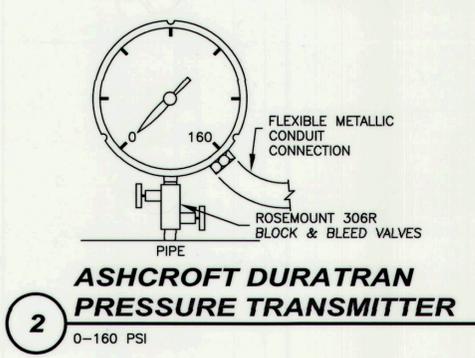
SHEET:

E-7A



1 POLE MOUNTED FIXTURE

- NOTES:
- 1) BASE SHALL BE 3000 PSI (28 DAY) 6 SACK CONTENT MIX CONCRETE.
 - 2) STANDARDS TO WITHSTAND WIND LOADS OF 100MPH WITH 1.3 GUST FACTOR PER TITLE 24 EXPOSURE (C).
 - 3) ANCHOR BOLTS AND TEMPLATES FURNISHED BY ELECTRICAL CONTRACTOR. CONCRETE BASE AND ANCHOR BOLTS INSTALLED BY GENERAL CONTRACTOR.



ELECTRICAL DETAILS
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 City of Morgan Hill
 Morgan Hill, California

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DATE: MARCH 2017
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 DESIGN BY:
 DRAWN BY:
 CHECKED BY:
 FILE:

BOYS RANCH 2A

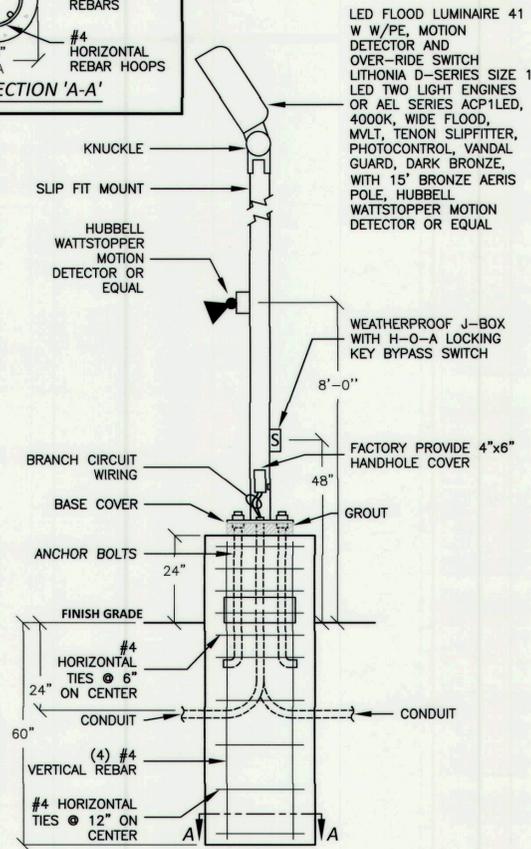
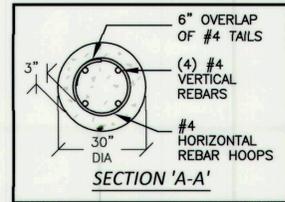
JOB: LS-15-174	DATE: NOV 2016
FILE: LS174_BR2-DT08	
PLOT: 3/30/2017 9:23 AM / 1:1	
DSGN: JPP	DRWN: CRT

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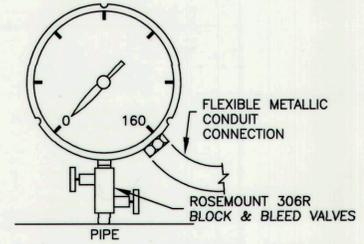
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CAD FILE: G:/Projects/City of Morgan Hill/15-3-053/Pump Station/Electrical/030817-Jackson/LS174_J-DT08A.dwg CFG FILE: LSCF2500.PCP_MRG DATE: 03-17-17 9:38am



1 POLE MOUNTED FIXTURE

- NOTES:
- 1) BASE SHALL BE 3000 PSI (28 DAY) 6 SACK CONTENT MIX CONCRETE.
 - 2) STANDARDS TO WITHSTAND WIND LOADS OF 100MPH WITH 1.3 GUST FACTOR PER TITLE 24 EXPOSURE (C).
 - 3) ANCHOR BOLTS AND TEMPLATES FURNISHED BY ELECTRICAL CONTRACTOR. CONCRETE BASE AND ANCHOR BOLTS INSTALLED BY GENERAL CONTRACTOR.



2 ASHCROFT DURATRAN PRESSURE TRANSMITTER
0-160 PSI

REGISTERED PROFESSIONAL ENGINEER
JOSEPH P. PREVENDAR
No. 16581
ELECTRICAL
STATE OF CALIFORNIA
DATE: 3/21/17

ELECTRICAL DETAILS
Construction of 2 Pump Stations
Boys Ranch 2A & Jackson 3A
City of Morgan Hill
Morgan Hill, California

LS LUHDORFF & SCALMANINI
CONSULTING ENGINEERS
500 FIRST STREET
WOODLAND, CALIFORNIA
PHONE: (530) 661-0109

REVISIONS	
NO.	REVISION

DATE: MARCH 2017
JOB NO.: 15-3-053
DESIGN BY:
DRAWN BY:
CHECKED BY:
FILE:

JACKSON 3A

JOE PREVENDAR P.E. CA EE 16581 joe@epsfresno.com	GARY OLSEN P.E. CA EE 8283 gary@epsfresno.com
JOB: LS-15-174	DATE: NOV 2016
FILE: LS174_J-DT08A	
PLOT: 3/30/2017 9:39 AM / 1:1	
DSGN: JPP	DRWN: CRT

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SHEET:
E-8A