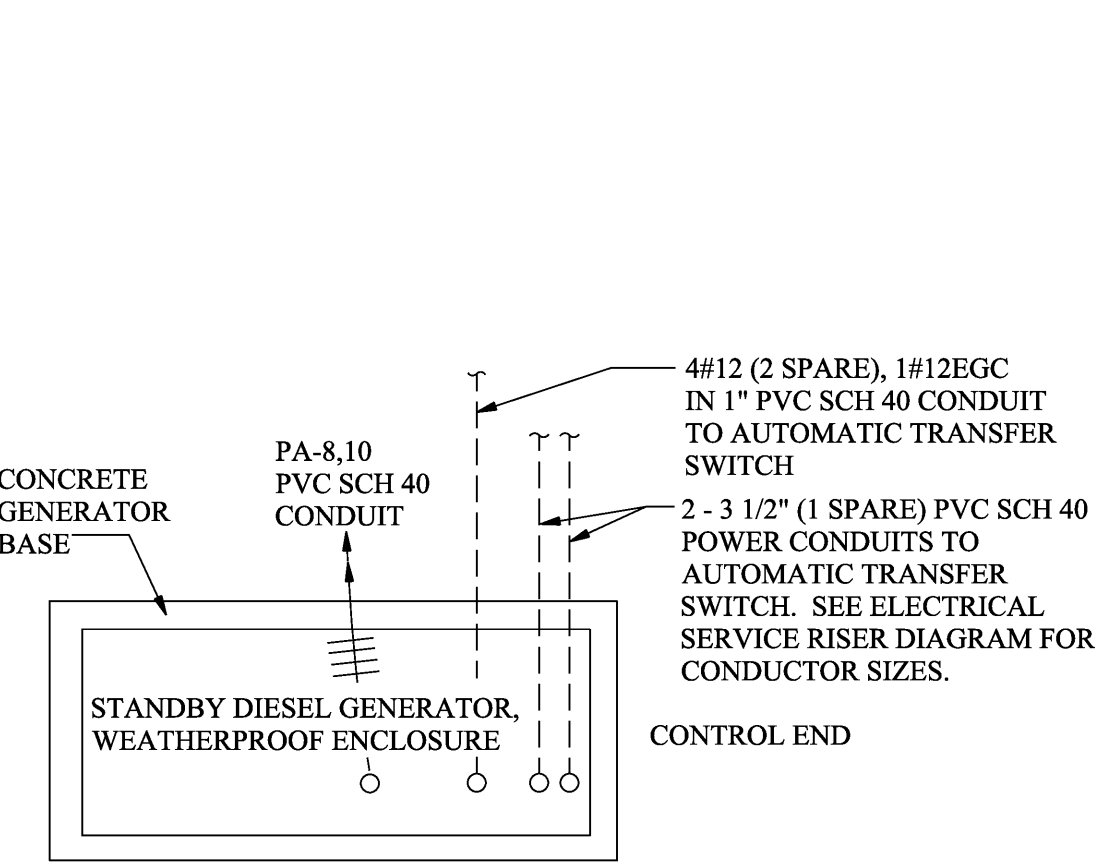


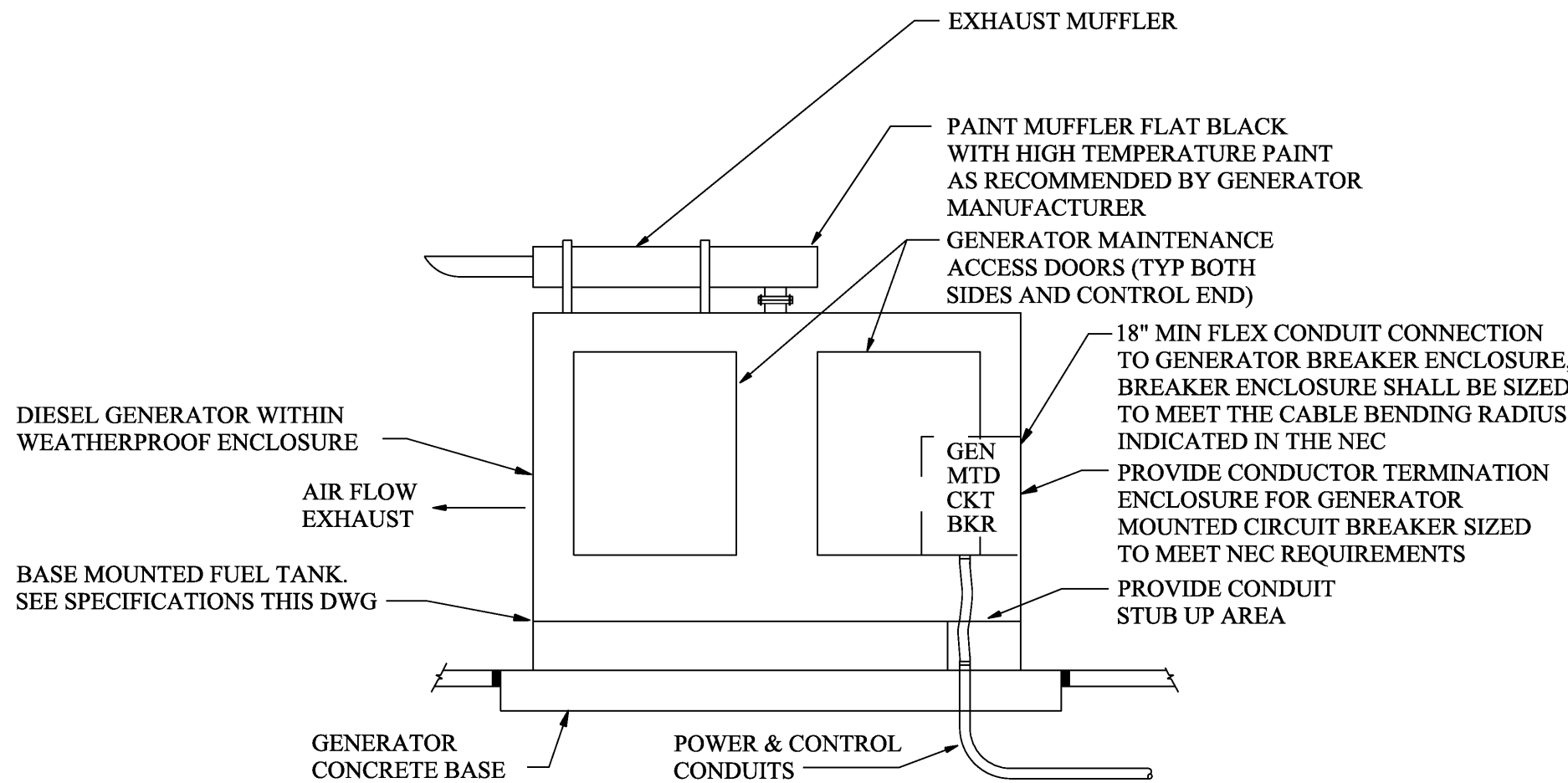
PUMP STATION ELECTRICAL SERVICE - RISER DIAGRAM

NO SCALE



GENERATOR PLAN

NO SCALE

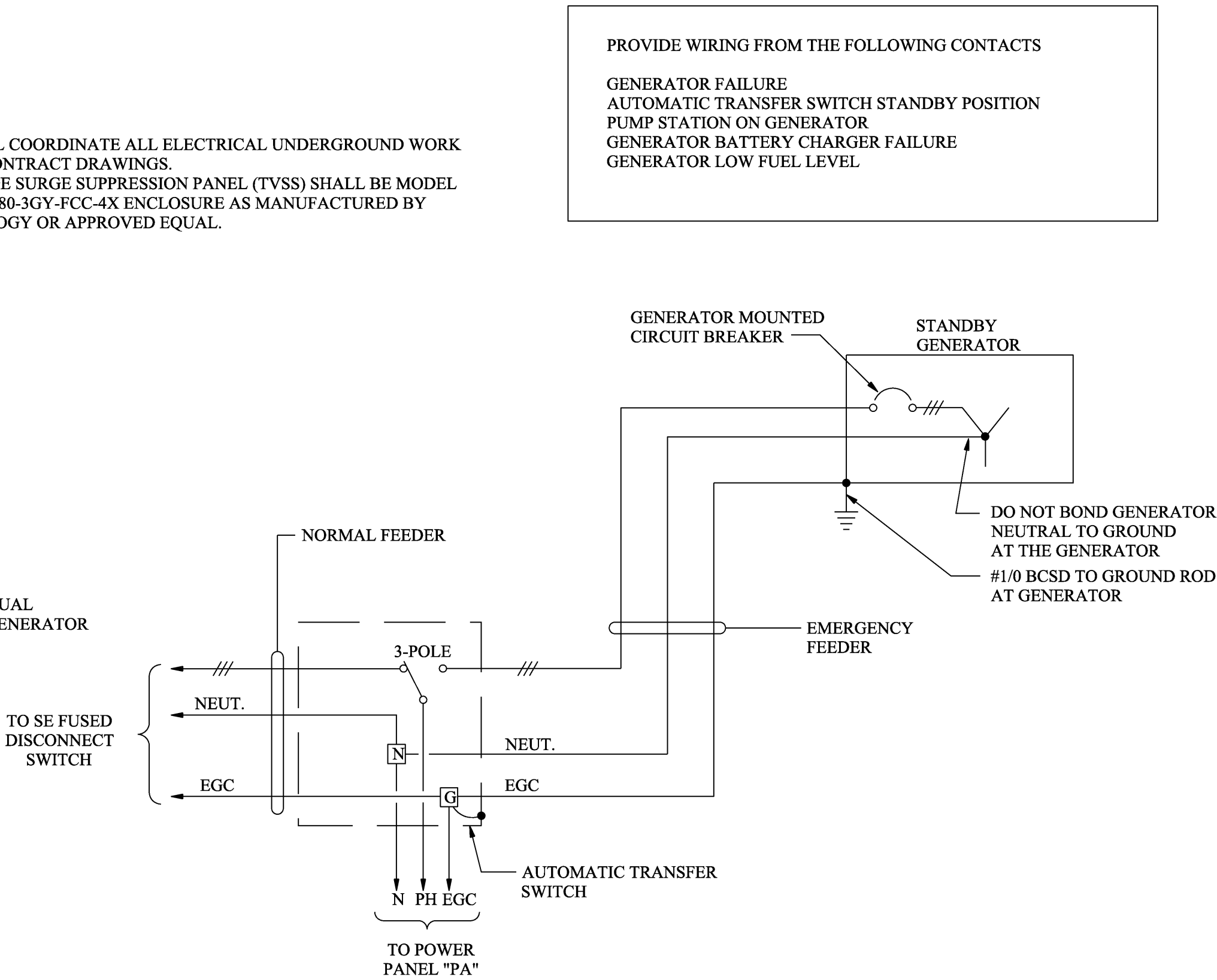


GENERATOR ELEVATION

NO SCALE

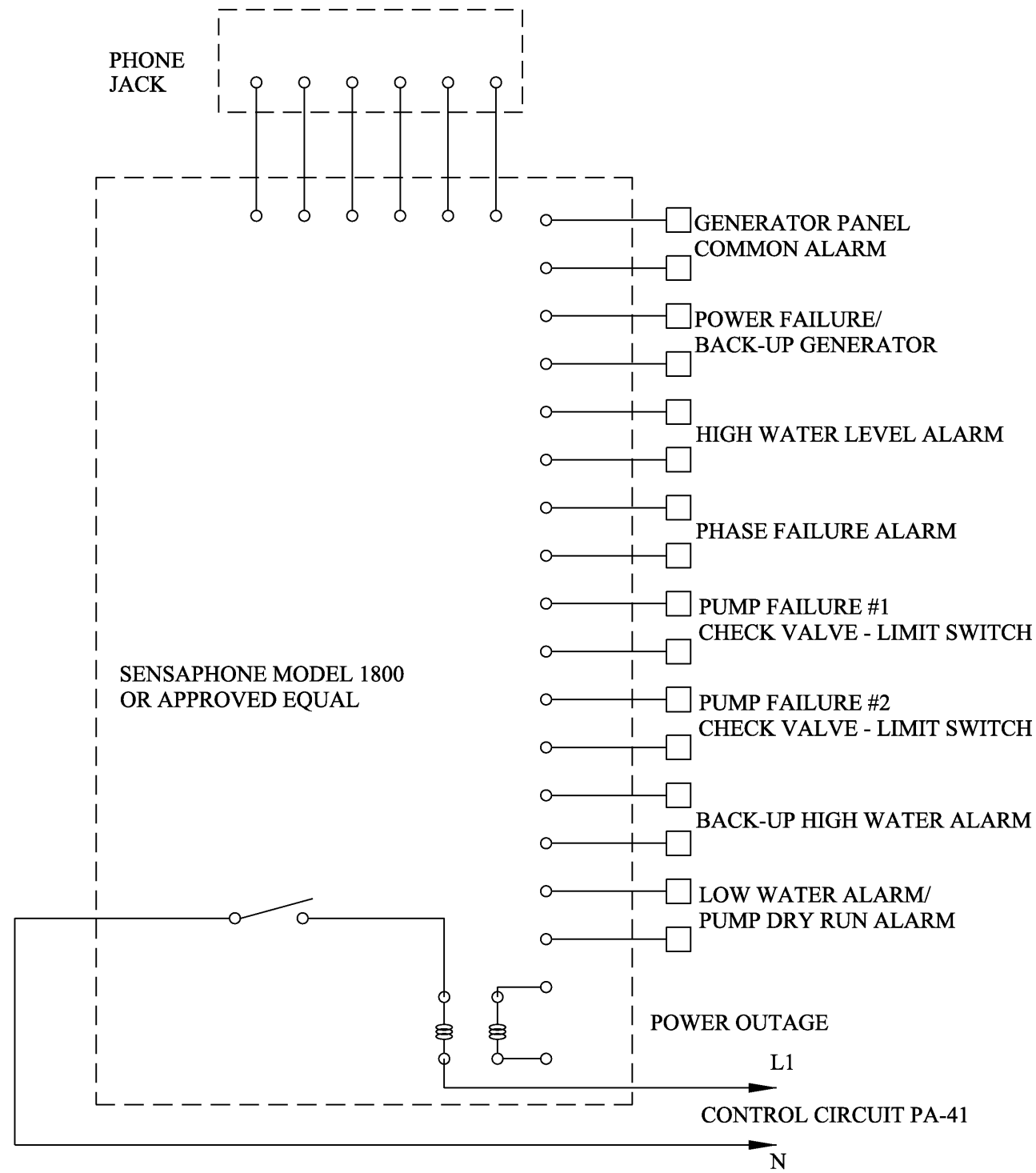
GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL UNDERGROUND WORK WITH ALL OTHER CONTRACT DRAWINGS.
2. TRANSIENT VOLTAGE SURGE SUPPRESSION PANEL (TVSS) SHALL BE MODEL NUMBER SF150-277/480-3GY-FCC-4X ENCLOSURE AS MANUFACTURED BY CURRENT TECHNOLOGY OR APPROVED EQUAL.

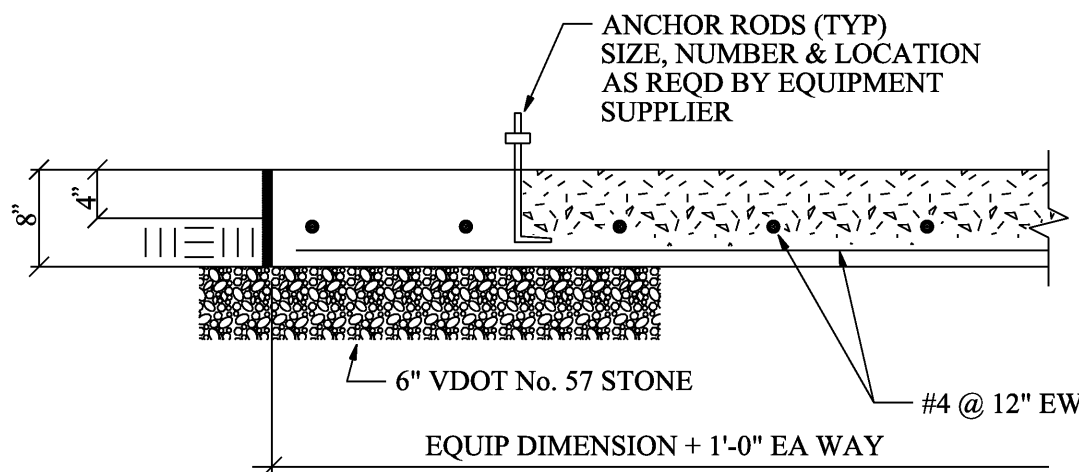


CONNECTION DIAGRAM - NEUTRAL & GROUND CONDUCTORS

NO SCALE



PUMP STATION SCHEMATIC AUTO DIALER



GENERATOR BASE DETAIL

NO SCALE

NOTES:

CONCRETE COMPRESSIVE STRENGTH, FC' = 4,000 PSI @ 28 DAYS
REINFORCING STEEL, FY = 60,000 PSI

LEGEND

- > HOMERUN TO POWER PANEL
- CONDUIT RUN
- CONDUIT RUN BELOW GRADE
- TICK MARKS: INDICATE NUMBER CONDUCTORS IN A CONDUIT IN ADDITION TO EGC. NO TICK MARKS INDICATE TWO CONDUCTORS IN ADDITION TO EGC.
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- S SINGLE POLE SWITCH
- ⌚ DUPLEX RECEPTACLE
- Ⓜ JUNCTION BOX
- Ⓜ MOTOR
- SAFETY SWITCH, NONFUSIBLE
- Ⓜ CURRENT TRANSFORMER
- MOLDED CASE CIRCUIT BREAKER
- AUTOMATIC TRANSFER SWITCH
- Ⓜ COPPER CLAD 3/4" DIAMETER X 10' LONG GROUND ROD, PROVIDE 24" OF COVER
- GROUND

ELECTRICAL SYSTEM ABBREVIATIONS

A.AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GROUND
ATS	AUTOMATIC TRANSFER SWITCH
BCSD	BARE COPPER SOFT DRAWN
BKR	BREAKER
C	CONDUIT
CKT	CIRCUIT
CONC	CONCRETE
DWG	DRAWING
EGC	EQUIPMENT GROUNDING CONDUCTOR
GEN	GENERATOR
GFI	GROUND FAULT INDICATOR
HP	HORSEPOWER
HZ	HERTZ
kcmil	THOUSAND CIRCULAR MILS
kVA	KILOVOLT AMPERE
kW	KILOWATT
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
N, NEUT	NEUTRAL
PH	PHASE
PSKVA	PEAK STARTING KILOVOLT AMPERES
PVC	POLYVINYL CHLORIDE CONDUIT
RMS	ROOT MEAN SQUARE
SCH	SCHEDULE
SE	SERVICE ENTRANCE
SYM	SYMMETRICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
V	VOLTS
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

CONDUCTOR COLOR CODE

CONDUCTOR	208/120V
PH A	BLACK
PH B	RED
PH C	BLUE
NEUTRAL	WHITE
GROUND	GREEN

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WESTLAKE PUMP STATION

ELECTRICAL RISER DIAGRAM,
LEGEND, ABBREVIATIONS, NOTES,
& DETAILS

DATE: 01-10-08

DRAWN: RNM/WKH

CHECKED: BCP

REVISIONS

NO. DATE

1 03-04-08

SCALES

HORIZ: AS SHOWN

VERT: AS SHOWN

COMM. NO.

K08007

SHEET NO.

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