

2 PRIMARY DISTRIBUTION SYSTEM ONE-LINE DIAGRAM - (PARTIAL)

AUTOMATIC TRANSFER SWITCH REPLACEMENT AND PROPOSED OUTAGE SCHEDULE									
NUMBER	BUILDING	MAXIMUM DEFERRED OR INTERRUPTED WORK	ANTICIPATED LENGTH OF WORK	WORK PERIOD	REMARKS	AUTOMATIC TRANSFER SWITCH			
						VOLTAGE / POLES	TRANSFER TYPE	AIC RATING	REMARKS
ATS-1-EQ	1	MOMENTARY	8 HOURS	AFTER HOURS / WEEKEND	TEMPORARY JUMPERS REQUIRED	1,200A, 120/208V, 4 POLE	CLOSED TRANSITION	65k AIC	REMOTE ANNUNCIATOR AND TEST SWITCH
ATS-1-S	1	MOMENTARY	8 HOURS	AFTER HOURS / WEEKEND	TEMPORARY JUMPERS REQUIRED	600A, 120/208V, 4 POLE	CLOSED TRANSITION	65k AIC	REMOTE ANNUNCIATOR AND TEST SWITCH
ATS-103	103	8 HOURS	8 HOURS	WEEKDAY ACCEPTABLE	WEEKDAY ACCEPTABLE	100A, 120/208V, 3 POLE, SOLID NEUTRAL	OPEN TRANSITION	65k AIC	
ATS-97	97	8 HOURS	8 HOURS	WEEKDAY ACCEPTABLE	WEEKDAY ACCEPTABLE	100A, 120/208V, 3 POLE, SOLID NEUTRAL	OPEN TRANSITION	65k AIC	
ATS-99	99	8 HOURS	8 HOURS	WEEKDAY ACCEPTABLE	WEEKDAY ACCEPTABLE	100A, 120/208V, 3 POLE, SOLID NEUTRAL	OPEN TRANSITION	65k AIC	

PROVIDE 3/4" CONDUIT IN SHEET AREAS OR ROUTE IN EXISTING CABLE TRAY AS SHOWN ON SFD E2.0 WITH 3- GAUGE CABLES TO INTERCONNECT TRANSFER SWITCHES WITH THE CONTROL/MONITOR PANEL.
COORDINATE EXACT CABLE REQUIREMENTS WITH MANUFACTURER.

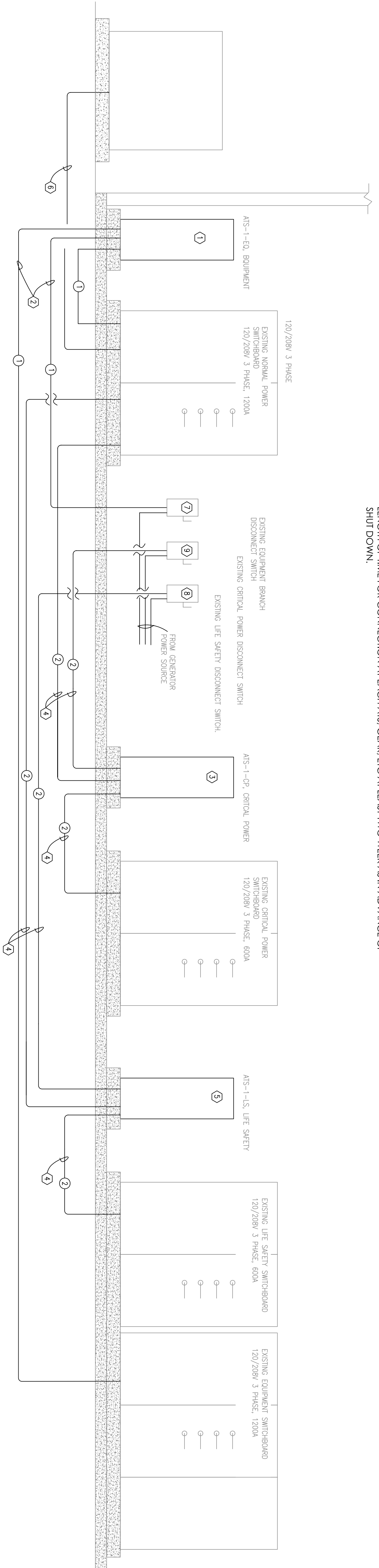
TO 120V SOURCE PROVIDE A 20AMP BREAKER AND FEEDER FROM NEAREST PANELBOARD.

PROVIDE REMOTE CONTROL AND MONITOR PANEL LOCATED IN GENERATOR BUILDING.

AIS-1-EQ AIS-1-CP AIS-1-LIS

AUTOMATIC TRANSFER SWITCHES LOCATED IN BUILDING #1.

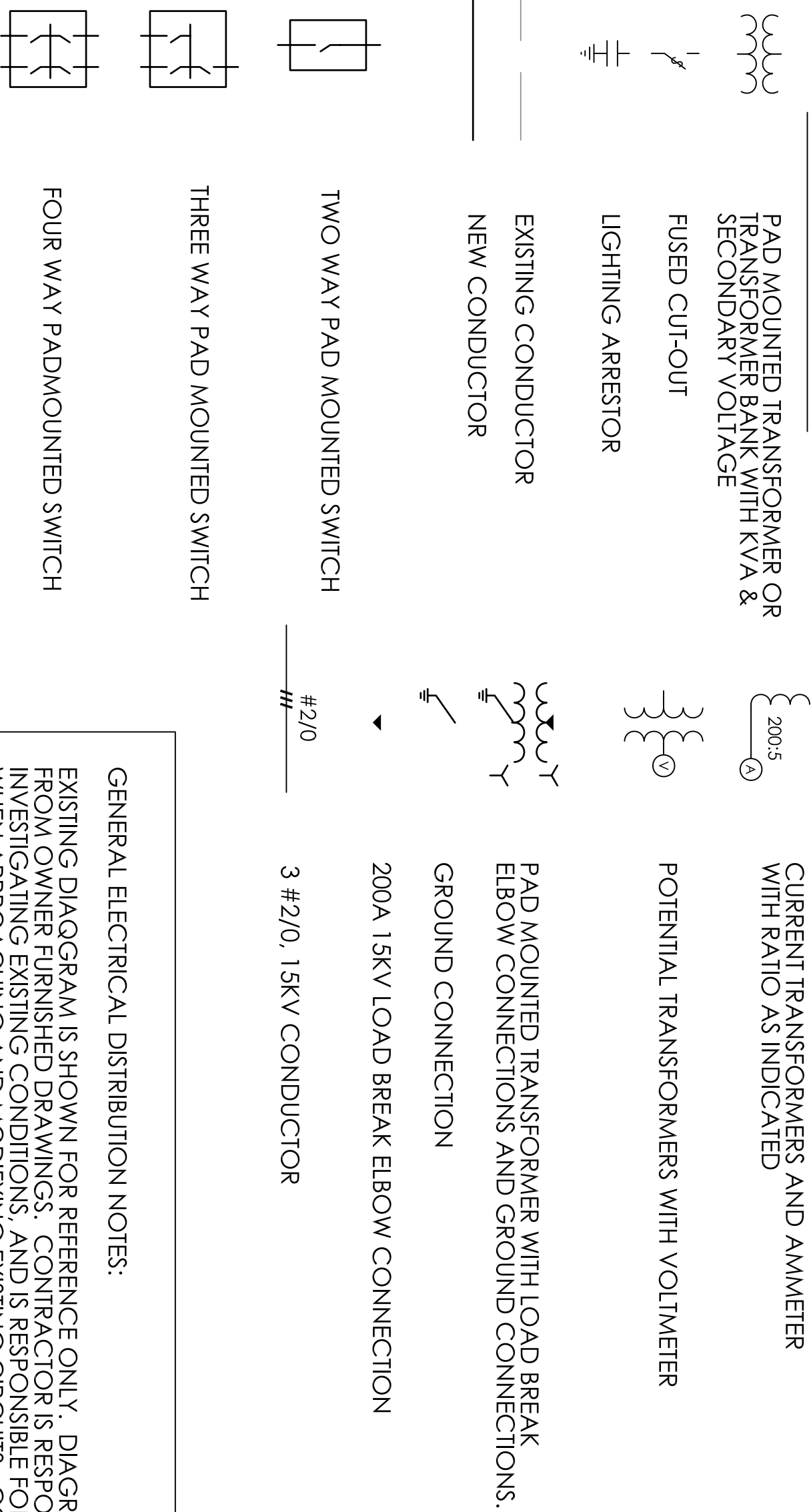
3 ATSR REMOTE MONITOR PANEL DIAGRAM



1 PROVIDE LOAD BREAK ELBOWS AND CONNECTION AT EXISTING TRANSFORMER.

- 2. DEFEND INTERLOCK MECHANISM AND CLOSE SELECTOR SWITCH A FEED-THROUGH SWITCH, CONTACT OWNER FOR APPROVED METHODS AND INSTRUCTIONS.
- 3. PROVIDE NEW 15KV FEEDER. SEE DETAILS.
- 4. PROVIDE PAD MOUNTED TRANSFORMER. SEE DETAILS AND PAD PREPARATION DETAILS.

SYMBOL SCHEDULE



GENERAL ELECTRICAL DISTRIBUTION NOTES:

EXISTING DIAGRAM IS SHOWN FOR REFERENCE ONLY. DIAGRAM WAS DELETED FROM OWNER FURNISHED DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING EXISTING CONDITIONS, AND IS RESPONSIBLE FOR SAFETY WHEN APPROACHING AND MODIFYING EXISTING CIRCUITS. CONTRACTOR SHALL FOLLOW ALL NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRICAL SAFETY CODES AND SAFETY PROCEDURES WHEN WORKING ON NEW AND EXISTING CIRCUITS.

WORK SHALL NOT BE PERFORMED WITHIN EXISTING MANHOLES OR SWITCHES WHILE ANY OF THE CIRCUITS WITHIN THE ENCLOSURES ARE ENERGIZED.

RISE R DIAGRAM NOTES

- ① DISCONNECT AND REMOVE EXISTING 1200K-3 POLE "TRANSFER BRANCH" 1200K-3 POLE TRANSFER BRANCH. REMOVE EXISTING 600A-3 POLE "VARY" CIRCUIT POWER TO TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 1200A-3 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.
- ② DISCONNECT AND REMOVE EXISTING 1200K-3 CONDENSERS IN EXISTING CONDUNIT. REPLACE WITH NEW 600A-3 POLE EXISTING CONDUNIT.
- ③ DISCONNECT AND REMOVE EXISTING 600A-3 POLE "VARY" CIRCUIT POWER TO TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 600A-3 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.
- ④ DISCONNECT AND REMOVE EXISTING 600A CONDENSERS IN EXISTING CONDUNIT AND REPLACE WITH NEW 600A CONDENSERS. RE-USE EXISTING CONDUNIT.
- ⑤ DISCONNECT AND REMOVE EXISTING 600A-4 POLE "VARY" CIRCUIT AUTOMATIC TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 600A-4 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.
- ⑥ EXISTING FEEDER TO REMAIN AS IS.
- ⑦ EXISTING EQUIPMENT BRANCH 1200K-3 DISCONNECT SWITCH GENERATOR FEEDER. DISCONNECT AND REMOVE EXISTING 600A-4 POLE "VARY" CIRCUIT AUTOMATIC TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 600A-4 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.
- ⑧ EXISTING "LIFT SAFETY BRANCH" FROM RIGID DISCONNECT SWITCH GENERATOR FEEDER. DISCONNECT AND REMOVE EXISTING 600A-4 POLE "VARY" CIRCUIT AUTOMATIC TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 600A-4 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.
- ⑨ EXISTING CARGO POWER BRANCH FROM RIGID DISCONNECT SWITCH GENERATOR FEEDER. DISCONNECT AND REMOVE EXISTING 600A-4 POLE "VARY" CIRCUIT AUTOMATIC TRANSFER SWITCH (ATS) AND REPLACE WITH A NEW 600A-4 POLE TRANSFER BRANCH. DISCONNECT TRANSFER SWITCH (ATS) AND 700A SERIES OR PRE-APPROVED EQUAL.

GENERAL NOTES

A. THE RISER DIAGRAM IS PROVIDED TO ILLUSTRATE WHAT IS CONNECTED TO WHAT. THIS DRAWING IS NOT TO BE TAKEN LITERALLY AND SHALL NOT BE RELIED ON FOR CONDUIT ROUTINGS.

B. REFER TO PLANS FOR LOCATIONS

COPPER FEEDER SCHEDULE	
FEEDER NUMBER	DESCRIPTION
①	(ASSETS & #450V - H2) AND
②	② 3/5" & #450V - H1 AND

CONDUIT NOTES:

- ALL WIRE COPPER 600V THIN UNO.
- CODE SIZE CONDUIT 1/2" OR LARGER.
- CODE SIZE CONDUIT OR LARGER.
- CONDUIT OR LARGER.

NUMBERED NOTES:

- ONE QUANTITY OF WIRE AND CONDUIT ARE PERMISSIBLE FOR THE SERVICE LATER.
- PROVIDING THAT THE AMPERAGE AND INTERFERING CAPACITY OF THE CIRCUIT IS MINOR.

100% CONSTRUCTION DOCUMENTS - FOR CONSTRUCTION

[illegible]