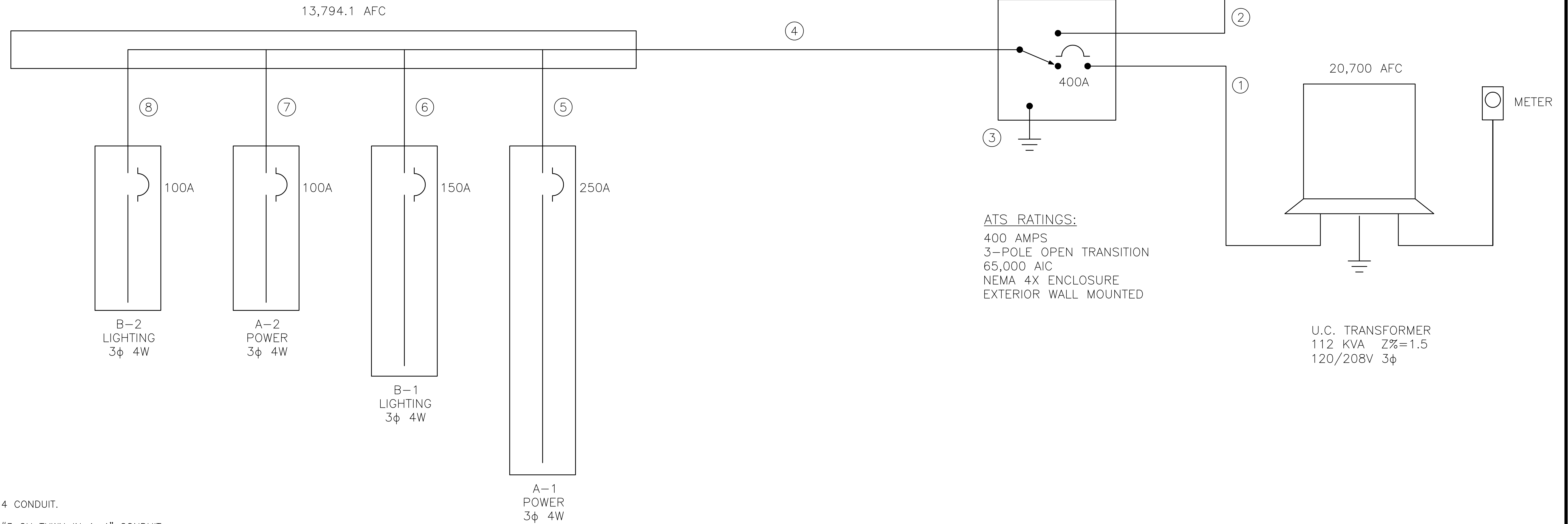


GENERATOR RATINGS:
 CLASS 60
 TYPE 10
 LEVEL 1

U.C. GENERATOR
 80 KW/100KVA
 120/208V 3φ 4-WIRE



ELECTRICAL RISER DIAGRAM

CABLE & CONDUIT SCHEDULE:

- 1 SET 4-500 KCMIL CU THWN IN 1-4" CONDUIT.
- 1 SET 4-500 KCMIL CU THWN & 1-#3 CU THWN IN 1-4" CONDUIT.
- 1/0 CU, 10 OHM MAXIMUM.
- 1 SET 4-500 KCMIL CU THWN & 1-#3 CU THWN IN 1-4" CONDUIT.
- 1 SET 4-250 MCM CU THW IN 1-2½" CONDUIT (EXISTING), ADD 1-#3 CU THWN, USE NEW CONDUIT SIZED PER NEC IF REQUIRED.
- 1 SET 4-1/0 CU THW IN 1-1½" CONDUIT (EXISTING), ADD 1-#3 CU THWN, USE NEW CONDUIT SIZED PER NEC IF REQUIRED.
- 1 SET 4-#3 CU THW IN 1-1¼" CONDUIT (EXISTING), ADD 1-#3 CU THWN, USE NEW CONDUIT SIZED PER NEC IF REQUIRED.
- 1 SET 4-#3 CU THW IN 1-1¼" CONDUIT (EXISTING), ADD 1-#3 CU THWN, USE NEW CONDUIT SIZED PER NEC IF REQUIRED.

GENERAL NOTES:

1. TAP FEEDER TO A-1, A-2, B-1, AND B-2 USING POLARIS TAPS. PROVIDE NEW GUTTER SIZED PER NEC IF REQUIRED
2. ALL BREAKERS SHOWN ARE THREE-POLE UNLESS INDICATED OTHERWISE.
3. GROUNDING ELECTRODE CONDUCTOR SHALL BE CONNECTED TO ANY MADE ELECTRODE WITHIN 5- FEET OF ENTRANCE TO THE BUILDING.
4. SERIES RATING OF OVERCURRENT PROTECTIVE DEVICES IS ACCEPTABLE. SUBMIT SERIES RATING DATA TO ENGINEER. ELECTRICAL CONTRACTOR SHALL VERIFY AIC RATING OF EXISTING PANELS AND REPLACE BREAKERS AS REQUIRED TO MAINTAIN PROPER RATINGS.

GREGG T. GOLDSWORTHY, P.E. #57229
 NOT VALID FOR CONSTRUCTION UNLESS
 ORIGINALLY SIGNED AND SEALED

ISSUED FOR CONSTRUCTION



UTILITIES COMMISSION
 CITY OF
 NEW SMYRNA BEACH, FLORIDA

NEW GENERATOR AND AUTOMATIC
 TRANSFER SWITCH - OPERATION
 CENTER - 1151 FIELD STREET

DWN: J. SCHWADRON	SCALE: NONE	SHEET 3 OF 3
CKD: G.GOLDSWORTHY	DATE: 07/31/2008	
APP: G.GOLDSWORTHY	REF:	
CAD FILE: 08140101	ISSUED:	