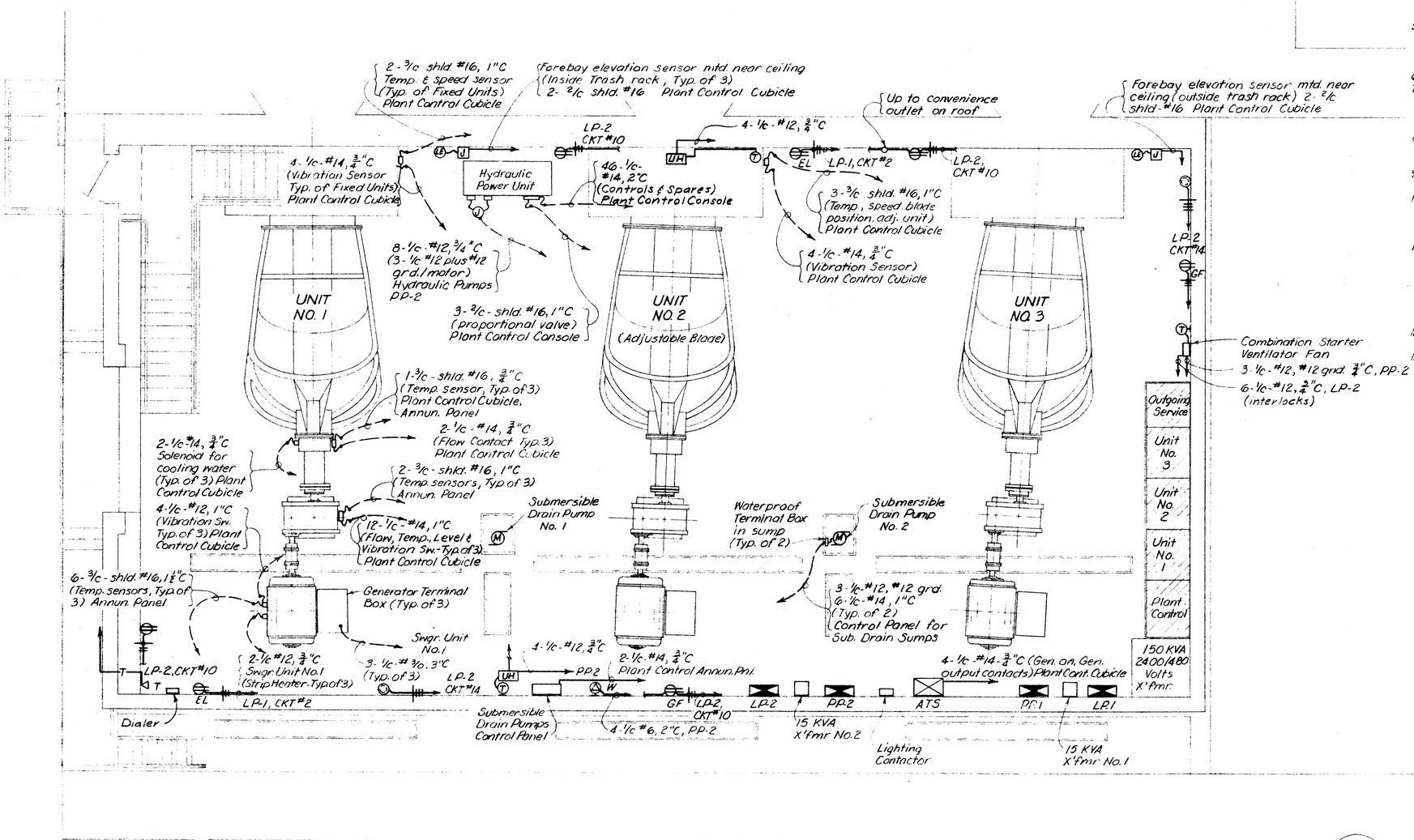

GENERAL NOTES

1. Dimensions and wiring of all equipment shall be verified by Manufacturer's drawing prior to installation.
2. All conduits entering or leaving the Power House shall be above Elev. 1920' and sealed. Use O-Z Gedney type "WSK" or equal.
3. Provide two dry contacts from Automatic Transfer Switch to Programmable Controller. A N.C. contact when Standby Generator is to be in operation. A N.C. contact when generator output is normal.
4. Provide a dry contact in Control Panel for Submersible Drain Pumps to Annunciator Panel. A N.C. contact when pumps operation is normal.
5. Coordinate with local Telephone Company. Install outlet and service through 3/4" Conduit and weatherhead to interface point as designated by Telephone Company. Purchase and install a wall mounted telephone and Dialer.
6. All exposed conduit shall be aluminum.
7. Purchase and install (2) electric heaters and thermostats. Heaters shall be Modine Model HE-75 horizontal delivery with a capacity of 7.5 KW and 530 CFM or equal. Mount approximately 10 ft. above floor.
8. Certain equipment will be furnished by Owner for installation. Contractor must review listing of furnished items. Also review furnished items by General Works Contractor.
9. Terminate transmission service (6-1/c-350 MCM Cu.) into outgoing service cubicle in owner furnished Swgr.
10. Assemble, install, and test owner furnished cubicles of 2400 V Swgr. Verify all terminations and dimensions from owner furnished drawings. Coordinate and identify phase rotation with CP&L. Supply at MSDs Substation.
11. The General Works Contractor shall be responsible for receipt, and storage of all Allis-Chalmer Hydrogeneration equipment. The Turbine/Generators, Hydraulic Power Unit, and associated sensors will be installed by the General Works Contractor. The Electrical Contractor will provide electrical service to this equipment, test and leave ready for operation.
12. Surface mount all switches, panelboards, Control panels, Starters, and receptacles in powerhouse.
13. 2400 volt switchgear and 150 KVA transformer shall be mounted on concrete base approx. 12 inches above floor level. Concrete Base by General Works Contractor. Coordinate Conduit Stub-ups.

2/c Shld. #16, 3/4"C to Transmitter in Plant Control — Tail Water Level Sensor

NO.	DATE	DESCRIPTION	CHKD.	APPR.

REVISIONS

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, N.C.

CRAGGY DAM HYDRO PROJECT

ELECTRICAL EQUIPMENT AND WIRING

POWERHOUSE POWER & RECEPTACLE

HARRY HENDON AND ASSOCIATES, INC.
ENGINEERS
BIRMINGHAM, ALABAMA
ATLANTA, GEORGIA — ASHEVILLE, NORTH CAROLINA — JACKSON, TENNESSEE

DRAWN RWB, LA.	SCALE 1/4"=1'-0"	SHEET 7 OF 9 SHEETS
CHECKED J.Q.B.	APPROVED James O. Brewer	684-2-39
DATE Apr. 1985		

NORTH CAROLINA — JAMES O. BREWER — 4-22-85