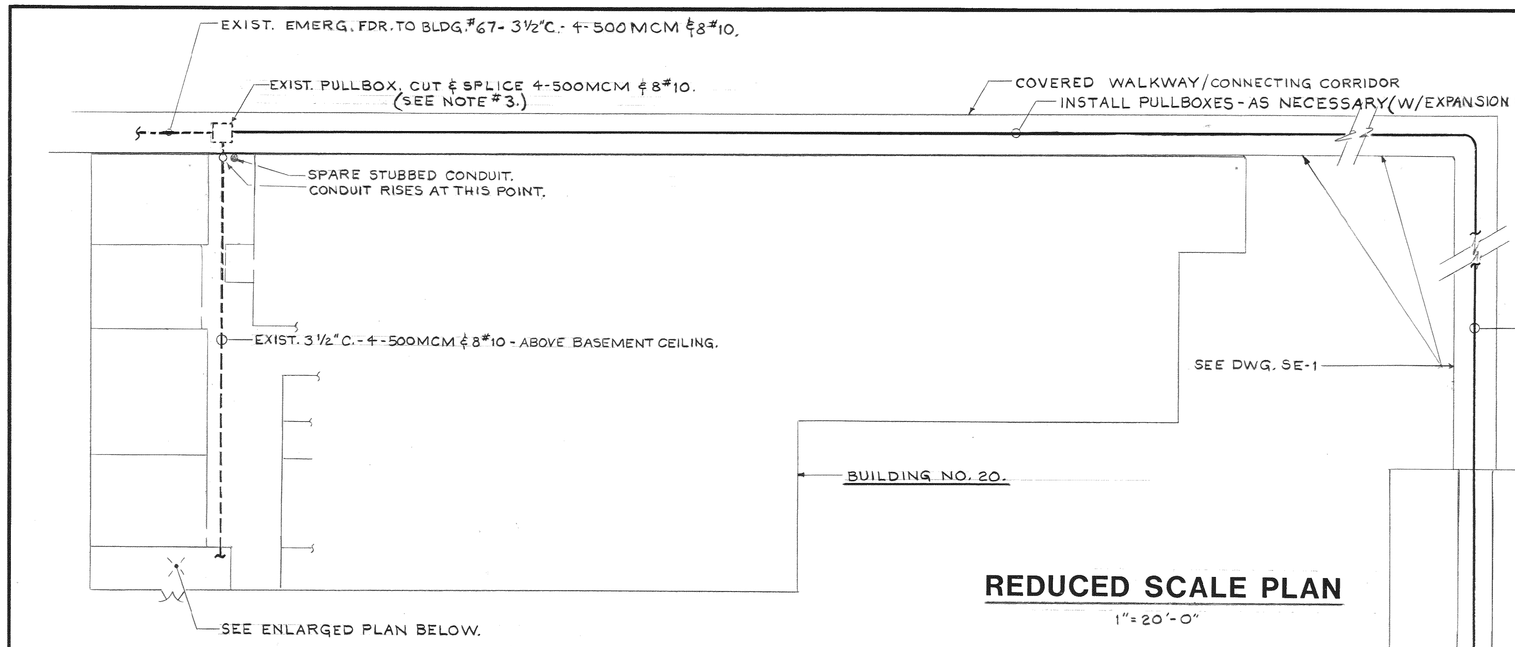
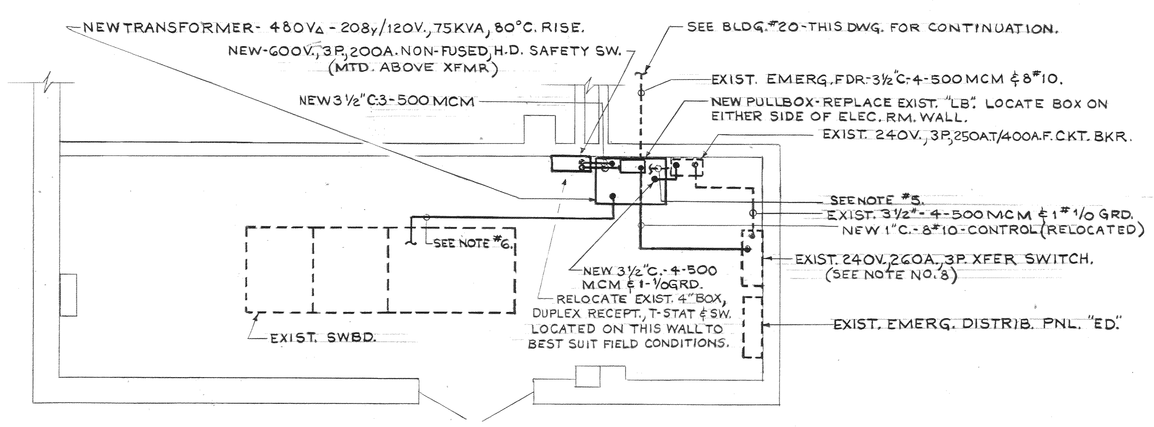


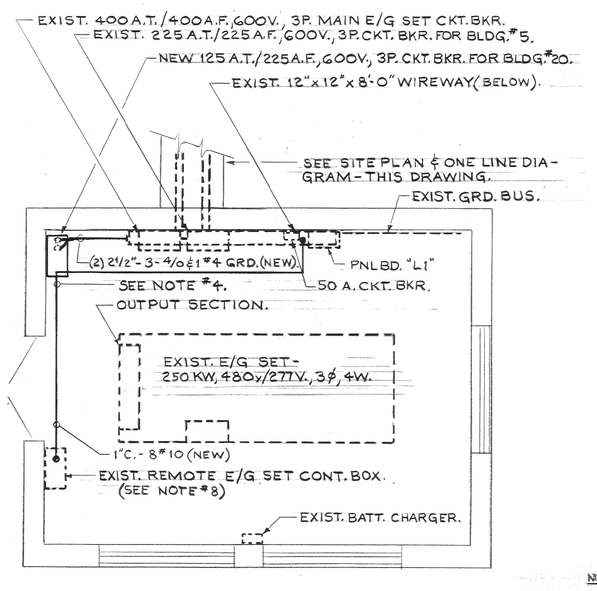
REDUCED SCALE PLAN

1" = 20'-0"



POWER PLAN - ELECTRIC RM. - BLDG. NO. 20

1/4" = 1'-0"



POWER PLAN - BLDG. NO. 70

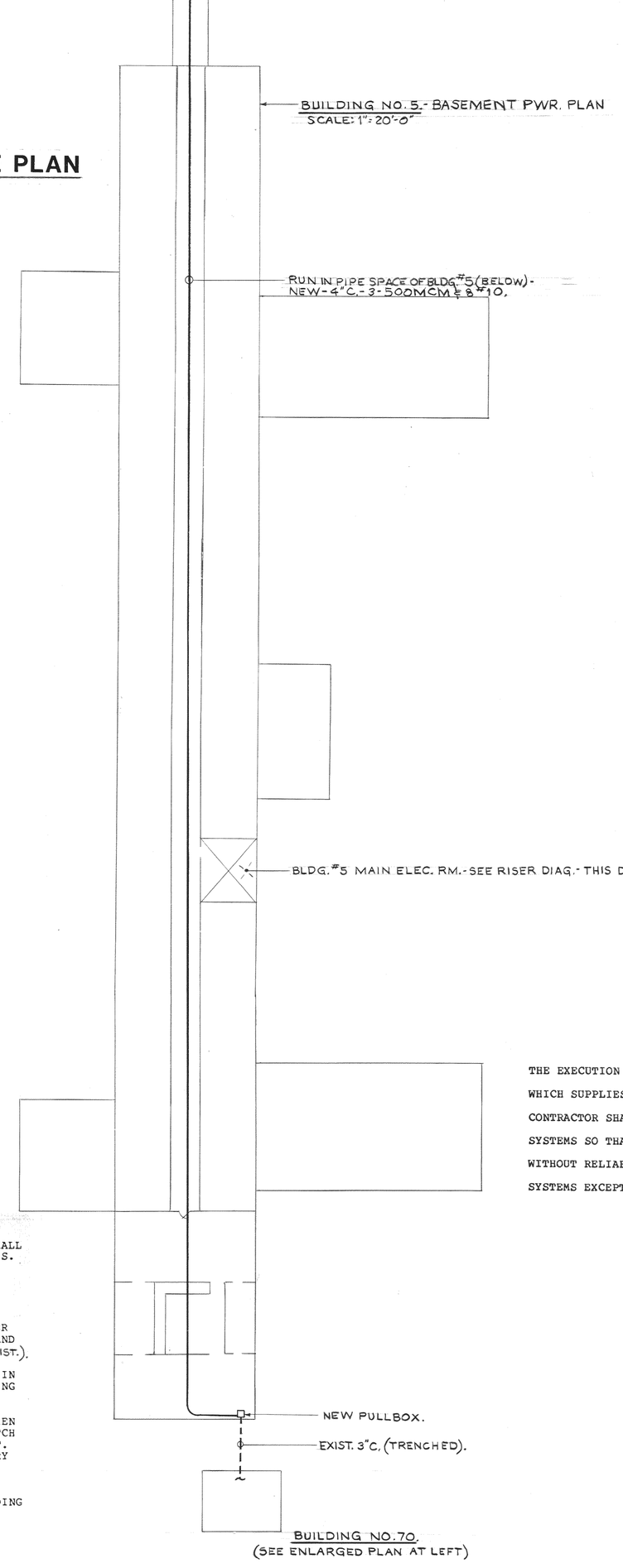
1/4" = 1'-0"

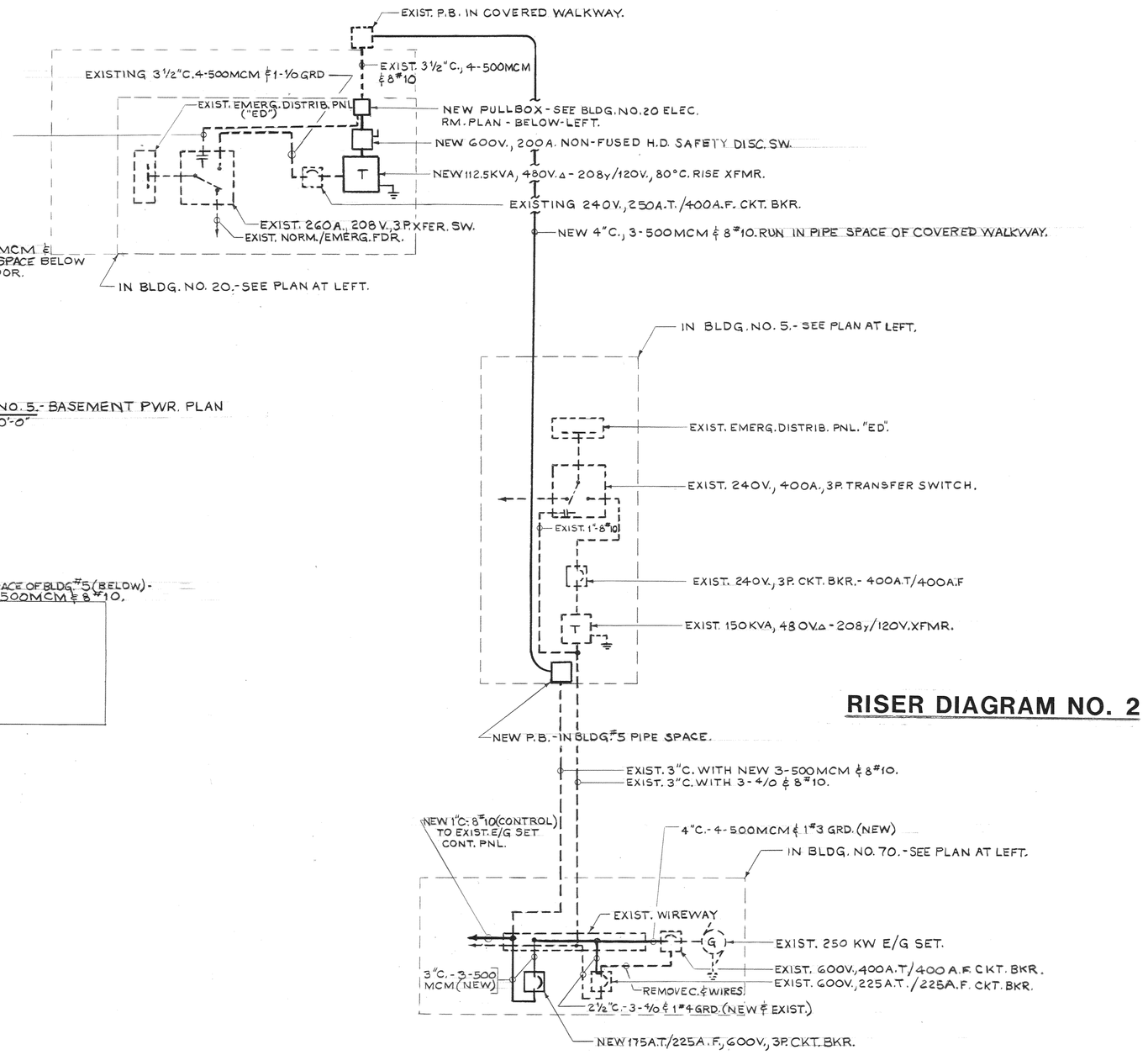
8. THE E.C. SHALL BE RESPONSIBLE FOR DUPLICATING THE EXIST. REMOTE CONTROL AND ANNUNCIATION WIRING & DEVICES OF BLDG. #5 AUTO TRANSFER SW. CONTROL & INDICATION SO THAT THE BLDG. #20 AUTO TRANSFER SW. AND ENGINE CONTROL BOX ARE CONNECTED SIMILARLY. THIS SHALL INCLUDE TEST SWITCH, EMERG. MODE LT, NORM. MODE LT., RETURN TO NORM. SWITCH, ENGINE START & ANY OTHER FUNCTION EXISTING FOR BLDG. #5. THIS WORK SHALL BE CO-ORDINATED WITH THE ENGINE CONTROL MFR. (FERMONT) AND THE AUTO TRANSFER SW. MFR. (ZENITH). CONTACT FERMONT AT 1-203-366-5211 - MR. RON VERNON. CONTACT ZENITH AT 1-617-871-5509 - MR. KEN OLSON.

9.) EXISTING EQUIPMENT WHICH BECOMES UNNECESSARY OR UNUSED AS A RESULT OF EXECUTION OF THIS PROJECT SHALL BE REMOVED COMPLETE - AS DIRECTED BY THE V.A.

NOTES:

1. NEW CIRCUIT BREAKERS SHALL HAVE ADJUSTIBLE SOLID STATE TRIPS AND SHALL BE IN NEMA 1 ENCLOSURES WITH A MINIMUM I.C. RATING OF 22,000 A.R.M.S. SYMMETRICAL.
2. ALL DEVICES AND EQUIPMENT SHALL BE PURCHASED WITH TERMINALS AND WIREWAYS CAPABLE OF HANDLING THE CABLE SIZE INDICATED.
3. EMERGENCY FEEDER TO 260A. TRANSFER SWITCH IN BUILDING #20 CUT FEEDER AND EXTEND TO E/G SET (EXIST) IN BUILDING NO. 70 AS INDICATED. TAPE AND SEAL UNUSED NEUTRAL AND CONDUCTORS FROM BUILDING NO. 67 E/G SET (EXIST.).
4. 8#10 (BLDG. NO. 20 START-CIRCUIT) E.C. SHALL CONNECT CONTROL PANEL IN ACCORDANCE WITH EXISTING E/G MANUFACTURER'S INSTRUCTIONS FOR BUILDING NO. 20 START CIRCUIT.
5. DISCONNECT EMERGENCY FEEDER FROM EXISTING 250 A.T./400 A.F. C.B. THEN CUT AND EXTEND EMERGENCY FEEDER TO 200A. NON-FUSED H.D. SAFETY SWITCH AS INDICATED. THEN EXTEND NEW SECONDARY FEEDERS TO EXISTING 250 A.T./400 A.F. C.B. AS INDICATED. TAPE AND SEAL UNUSED NEUTRAL IN PRIMARY FEEDER.
6. 1"C. - 1/0 GRD. TO GROUND XFMR TO EXISTING SWGR. GROUND BUS. XFMR SECONDARY NEUTRAL SHALL BE BONDED TO THE CASE OF THE XFMR BY A BONDING JUMPER SIZED IN ACCORDANCE WITH TABLE 250-94A OF NEC.
7. ALL DIMENSIONS SHALL BE FIELD FIGURED.





RISER DIAGRAM NO. 2

NOTES: - (RISER DIAG.)

1.) NEW CIRCUIT BREAKERS SHALL HAVE ADJUSTABLE SOLID STATE TRIPS AND SHALL BE IN NEMA 1 ENCLOSURES WITH A MINIMUM I.C. RATING OF 22,000 A. R.M.S. SYMMETRICAL.

CONTRACTOR NOTE WELL !

THE EXECUTION OF THIS CONTRACT INVOLVES SWITCHGEAR, CONTROLS, AND WIRING WHICH SUPPLIES POWER FOR CRITICAL BRANCH AND LIFE SUPPORT EQUIPMENT. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF ALL REQUIRED SYSTEMS SO THAT AT NO TIME AND UNDER NO CONDITIONS SHALL THE FACILITIES BE WITHOUT RELIABLE EMERGENCY POWER GENERATION, CONTROL, AND DISTRIBUTION SYSTEMS EXCEPT AS SPECIFICALLY APPROVED BY THE RESIDENT ENGINEER.

Nº	DATE	DESCRIPTION
		REVISIONS

REVIEW AND APPROVAL	DRAWING TITLE NEW EMERG. SERVICE FOR BLDG. NO. 20 POWER PLANS & RISER DIAG.		
DIRECTOR	BLDG. Nº 5 20 70	PROJECT TITLE UPGRADE EMERG. POWER	
ASSISTANT DIRECTOR			
SERVICE CHIEF	DESIGNED MDF & EHR	DRAWN EHR	SCALE AS NOTED
CHIEF ENGINEERING SERV.	CHECKED MDF	DATE 04-09-86	DRAWING Nº E - 3
PROJECT ENGINEER	940 BELMONT ST. BROCKTON, MA. 02401		PROJECT Nº 525-040

ENGINEERING DESIGN SERVICES, INC.
ENGINEERS & DESIGNERS
232 MAIN STREET
BROCKTON, MASSACHUSETTS 02401
TELEPHONE (617) 588-1772

VA VETERANS ADMINISTRATION MEDICAL CENTER