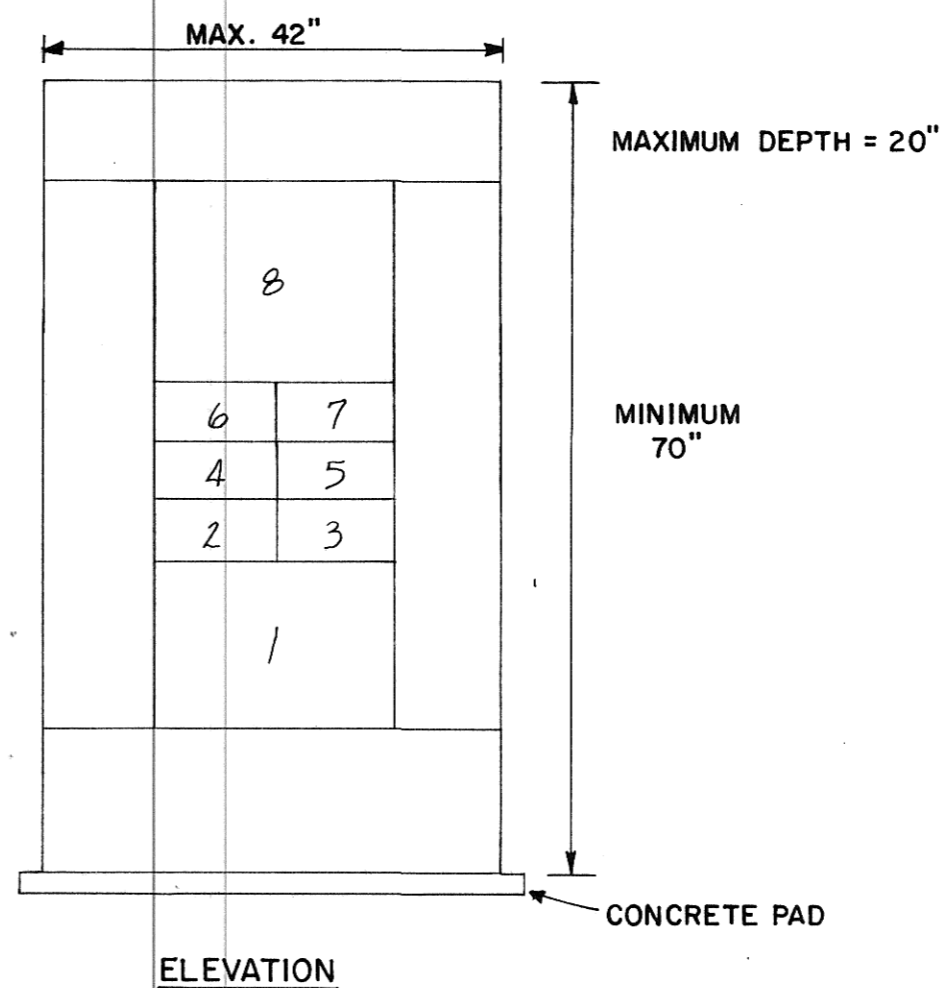


TRANSFORMER SCHEDULE

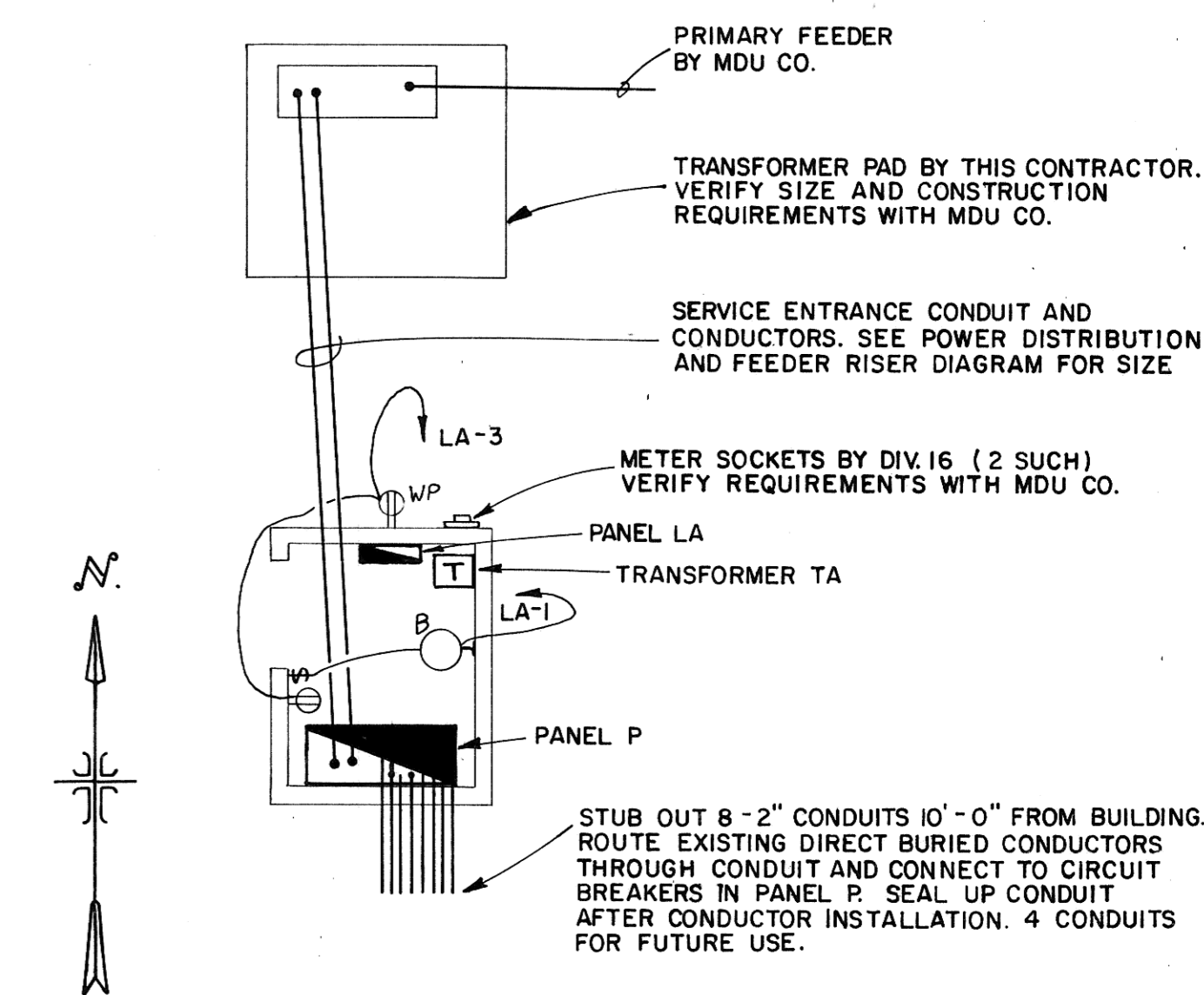
NO.	PRIMARY VOLTAGE	SECONDARY VOLTAGE	ROOM NO.	KVA SIZE	MNT'G	REMARKS
TA	480	120/240	AERATOR BUILDING	5	WALL	SINGLE PHASE

PANELBOARD P SCHEDULE

600 AMP RATING		SURFACE MOUNTED		MAIN BREAKER - 600 AMP	
480/277 VOLT RATING		4 WIRE		3 PHASE	
				BUS BRACING - 30,000 AMPS	
NO.	LOAD	CB SIZE	FEEDER SIZE	REMARKS	
1	MAIN BREAKER	600/3	SEE POWER DISTRIBUTION & FEEDER RISER DIAGRAM		
2	EXISTING AERATOR	100/3	2" CONDUIT STUB USE EXIST. CONDUCTORS	CONNECT EXISTING FEEDER TO NEW CIRCUIT BREAKER	
3	EXISTING AERATOR	100/3	2" CONDUIT STUB USE EXIST. CONDUCTORS	"	
4	EXISTING AERATOR	100/3	2" CONDUIT STUB USE EXIST. CONDUCTORS	"	
5	EXISTING AERATOR	100/3	2" CONDUIT STUB USE EXIST. CONDUCTORS	"	
6	TRANSFORMER TA	15/2	3/4" CONDUIT 2- #12 Cu		
7	SPARE	100/3	-		
8	USABLE SPACE	-	-	FUTURE BUSSED SPACE FOR MINIMUM OF 3- 200/3 CIRCUIT BREAKERS	



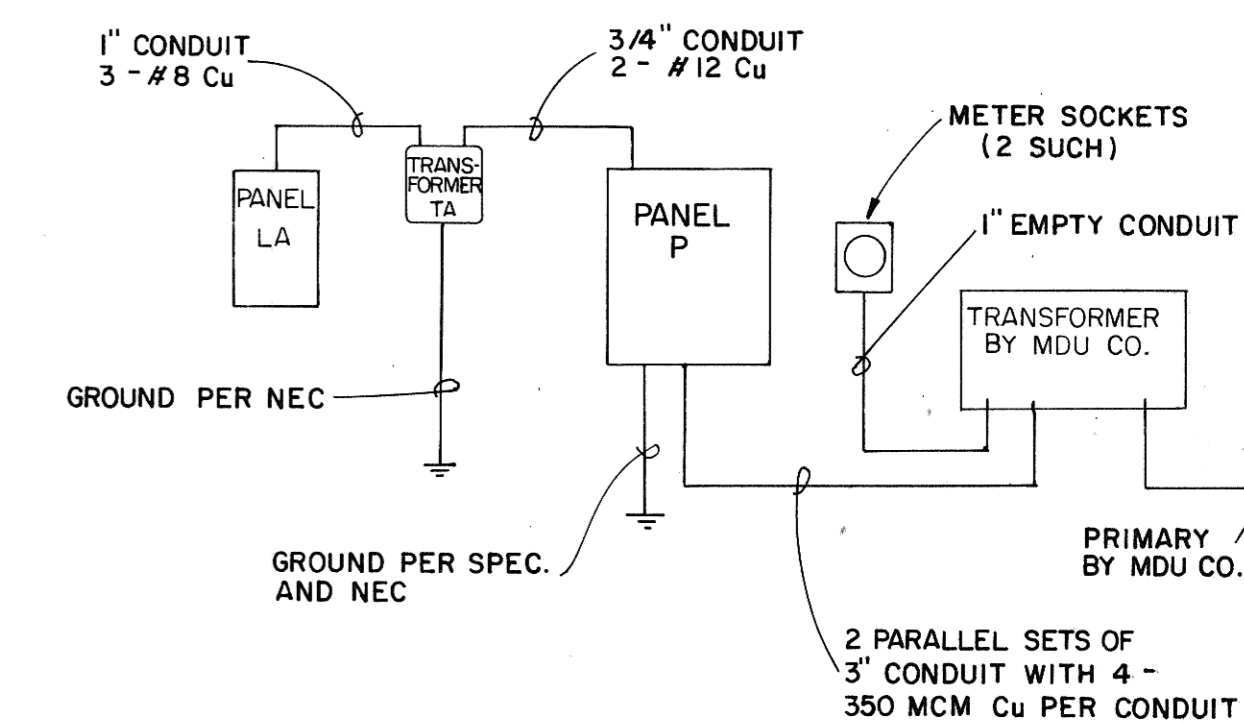
PANELBOARD P SCHEDULE & ELEVATION
NO SCALE



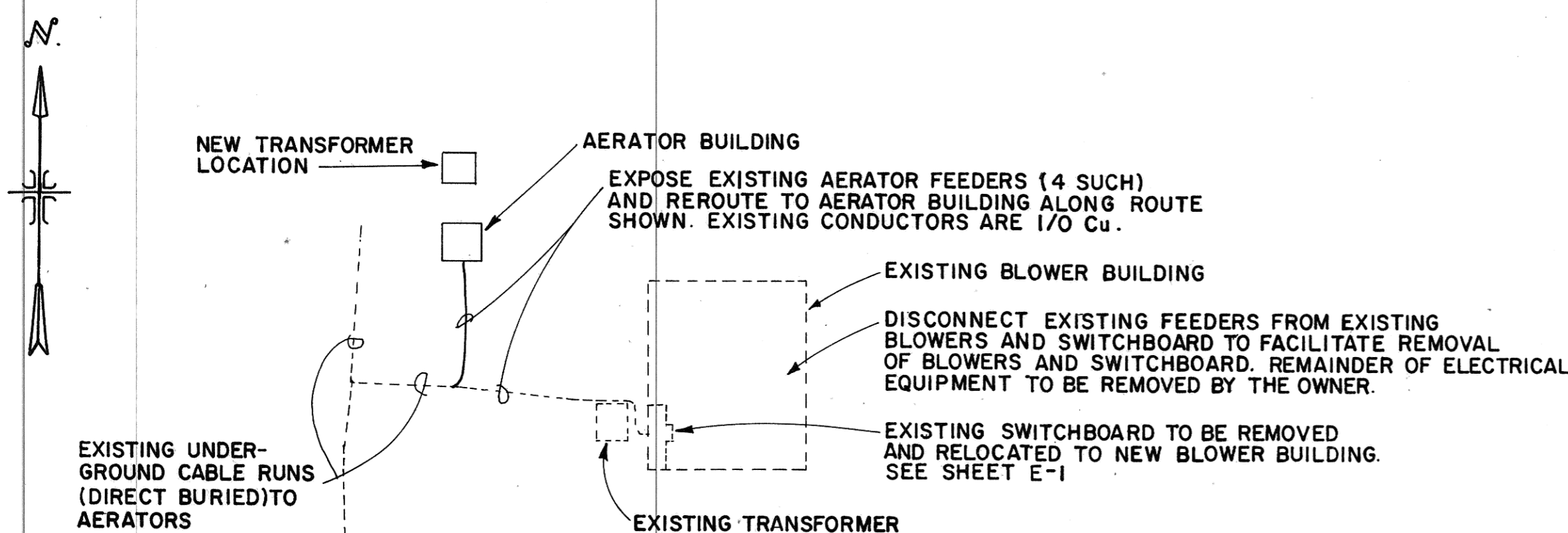
AERATOR BUILDING ELECTRICAL PLAN VIEW
SCALE: 1/4" = 1'-0"

PANELBOARD LOAD SCHEDULE

AMPERE RATING 60 AMP		INTERRUPTING RATING 10,000		RMS AMPERES		PANEL LA	
120/240		3 WIRE		1 PHASE		SURFACE MOUNTED 2 P+SN	
						MAIN 20/2 MCB	
LOAD IN VOLT-AMPERES				LOAD IN VOLT-AMPERES			
CKT	O/C PROT.	LIGHTING	REC.	SPARES	MOTORS & EQUIP.	SPACE HEATING	REMARKS
1	20/1	100					A
3	20/1	360					B
5							A
7							A
9							A
11							B



AERATOR BUILDING POWER DISTRIBUTION AND FEEDER RISER DIAGRAM
NO SCALE



PARTIAL SITE PLAN
SCALE: 1" = 20'-0"

LEGEND

- PENDANT MOUNTED INCANDESCENT LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- \$ SWITCH: SINGLE POLE - MOUNT AT 42" A.F.F.
- \$₃ 3-WAY - MOUNT AT 42" A.F.F.
- ⊕ DUPLEX RECEPTACLE - MOUNT AT 42" A.F.F.
- △ NOTE IDENTIFICATION
- CONDUIT, CROSS MARKS INDICATE NUMBER OF CONDUCTORS, NO MARKS INDICATE TWO #12 CONDUCTORS.
- HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF CONDUCTORS, NO MARKS INDICATE TWO #12, 3/4" CONDUIT.
- ▭ PANELBOARD
- ▭ SWITCHBOARD
- DISCONNECT, NON-FUSED UNLESS NOTED OTHERWISE
- ⊗ MOTOR, DESIGNATION REFERS TO MOTOR AND EQUIPMENT SCHEDULE
- ⊗ MOTOR STARTER
- ⊗ THERMOSTAT - SEE SPEC. SECTION 16880. MOUNT 60" A.F.F.
- TA TRANSFORMER

REV	DATE	DESCRIPTION	BY

AERATOR BUILDING ELECTRICAL PLANS, DETAILS AND SCHEDULES

BLOWER AND SWITCHGEAR BUILDING
MANDAN, NORTH DAKOTA

ULTEIG ENGINEERS, INC. CONSULTING ENGINEERS • FARGO • BISMARCK • MINNEAPOLIS

DRAWN BY: RSG/SJG SCALE: AS SHOWN PROJECT NO. 88649
CHECKED BY: [Signature] DATE: JAN., 1989 SHEET E-2 of [Total]

