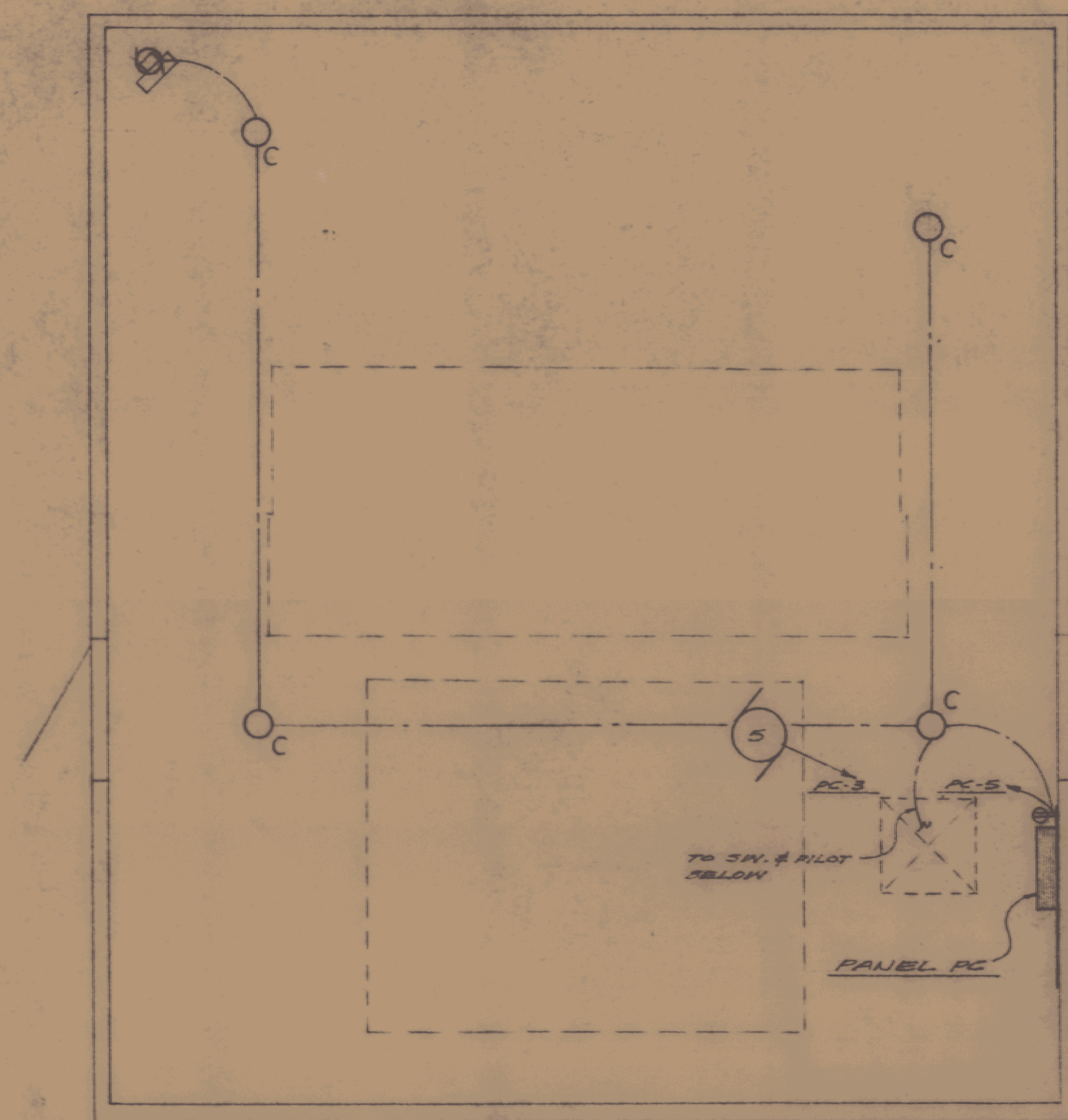
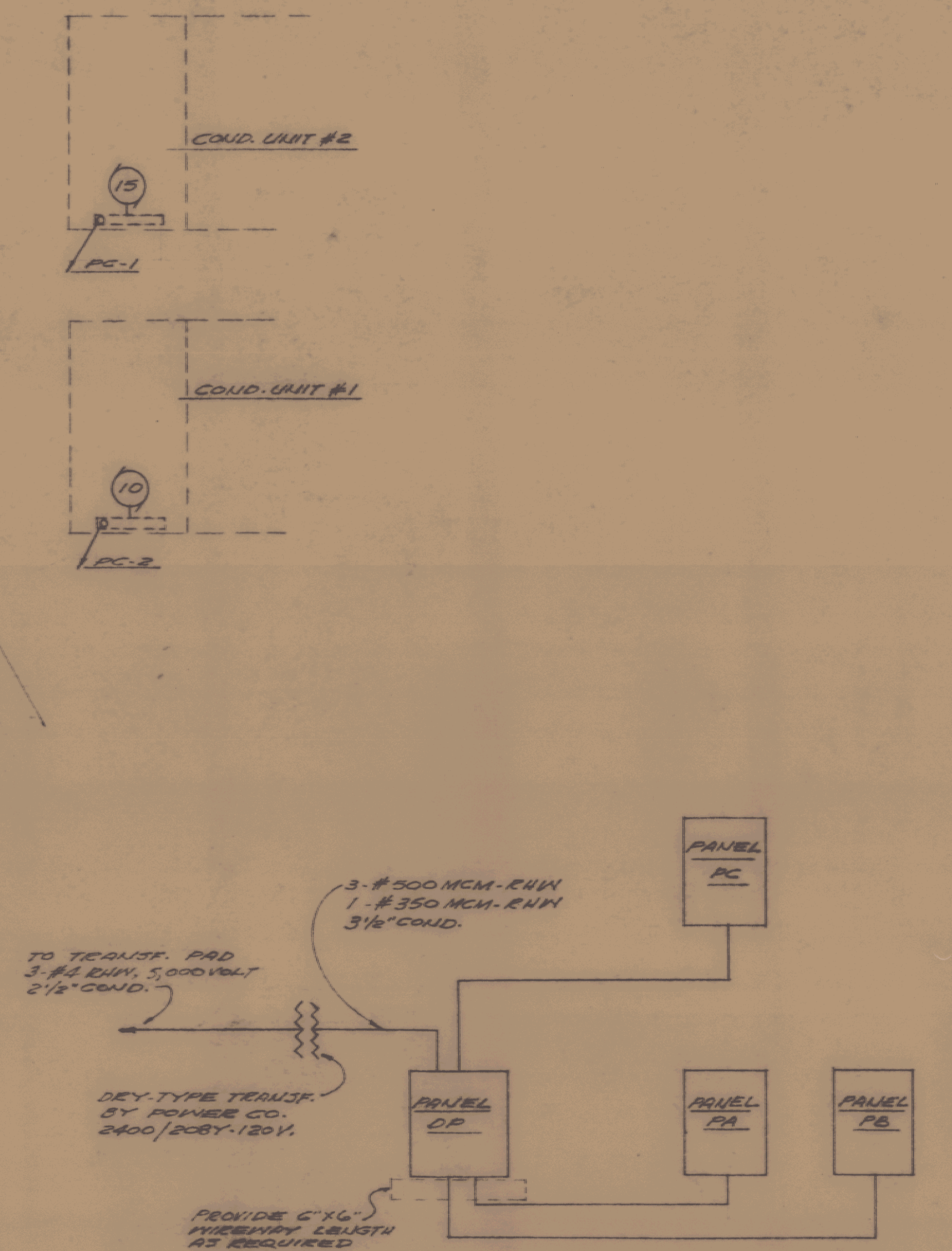




PENTHOUSE PLAN
SCALE: 1/8" = 1'-0"



FEEDER DIAGRAM
NO SCALE

PANEL PA Circuit Breaker Type NALB, 120/208 vac., 3-phase, 4-wire, 3U,
225 amp. Mains Lugs only Flush mount

BRANCH CIRCUIT					LOCATION	EQUIPMENT	WIRING
N.O.	BREAKER RATED AMP.	WIRE SIZE	CUMUL. LOAD KVA	WIRE SIZE			COND. WIRE
1	1	20	1.3		CEMENT LAB.	AUTOCLAVE	2" 2-#12
2	1	20	1.4		"	ALUMINUM	"
3	1	20	1.5		"	HOIST CAB.	"
4-9	1	20	1.7		RM'S. 1, 12 & 13	FREESTER & RECAP.	3" 3-#12
10	1	20	1.8		CEMENT LAB.	ALUMINUM	2" 2-#12
11	1	20	1.9		"	CEMENT MIXER	"
12	1	20	2.0		"	ALUMINUM	3" 3-#12
13	1	20	2.1		RM'S. 1, 2, 3 & 4	RECEPTACLES	2" 2-#12
14	1	20	2.2		CEMENT LAB.	RECEPTACLES	"
15	1	20	2.3		ROOM-12	"	"
16-19	1	20	2.7		RM'S. 12, 13, 14, 15, 16 & 17	FIXTURES	"
20	1	20	2.8		UTILITY ROOM	EXIST. COND. PUMPS	"
21	1	20	2.9		ROOM-14	BLOWER	"
22-23	3	20	3.0		"	ELEC. COIL & COMPRESSOR	3" 3-#12
24	2	40	3.1		UTILITY ROOM	TEST. MACHINE	1" 3-#8
25-29	1	20	3.2		"	SARRES	"

PANEL PB Circuit Breaker Type NALB, 120/208 vac., 3-phase, 4-wire, 3U,
225 amp. Mains Lugs only Flush mount

BRANCH CIRCUIT					LOCATION	EQUIPMENT	WIRING
N.O.	BREAKER RATED AMP.	WIRE SIZE	CUMUL. LOAD KVA	WIRE SIZE			COND. WIRE
1	1	20	1.3		SOILS LAB.	ALUMINUM	2" 2-#12
2	1	20	1.4		"	OVERHEAD	"
3	1	20	1.5		"	OVERHEAD	"
4	1	20	1.6		"	ALUMINUM	"
5	1	20	1.7		"	"	"
6	1	20	1.8		"	"	"
7	1	20	1.9		"	VAC. PUMP	"
8	1	20	2.0		"	ELECTRIC	"
9	1	20	2.1		"	TEV. SHED	"
10	1	20	2.2		"	ALUMINUM	"
11	1	20	2.3		"	RECEPTACLES	"
12	1	20	2.4		"	RECEIVER	"
13	2	20	2.5		"	HYDRO. BATH	"
14	1	20	2.6		SOILS PREP. ROOM	ALUMINUM	2" 2-#12
15	1	20	2.7		"	"	"
16	2	20	2.8		"	OVERHEAD	3" 3-#12
17	2	20	2.9		"	"	"
18	1	20	3.0		RESEARCH CHEM. LAB.	ALUMINUM	2" 2-#12
19	1	20	3.1		"	AUTO. CLAVE	"
20	1	20	3.2		"	VAC. PUMP	"
21	1	20	3.3		"	OVERHEAD	"
22-25	1	20	3.4		RM'S. 6, 7, 8 & 9	FIXTURES	"
26	2	40	3.5		EXTERIOR	TRAILER LAB. OUTLET	1 1/2" 2-#12
27	1	20	3.6		RM'S. 9 & 10	EXH. FANS D & G	1 1/2" 2-#12
28, 29	1	20	3.7		ROOM-10	COMPRESSOR & BLOWER	"
30-34	1	20	3.8		"	SARRES	"

PANEL PC Circuit Breaker Type NALB, 120/208 vac., 3-phase, 4-wire, 3U,
100 amp. Mains Lugs only Surface mount

BRANCH CIRCUIT					LOCATION	EQUIPMENT	WIRING
N.O.	BREAKER RATED AMP.	WIRE SIZE	CUMUL. LOAD KVA	WIRE SIZE			COND. WIRE
1	3	700	3		PENTHOUSE	COND. UNIT #2	2" 2-#12
2	3	700	3		"	"	1 1/2" 2-#12
3	3	700	3		"	BLOWER	3/4" 3-#10
4	1	200	1		ROOF	EXH. FANS D & G	1 1/2" 2-#12
5	1	200	1		REP. PENTHOUSE	FIXTURES, UNIT #1 & 2	1 1/2" 2-#12
6-8	1	200	1		"	SARRES	"

PANEL PD Circuit Breaker Type NDP, 120/208 vac., 3-phase, 4-wire, 3U,
400 amp. Main Breaker Surface mount

BRANCH CIRCUIT					LOCATION	EQUIPMENT	WIRING
N.O.	BREAKER RATED AMP.	WIRE SIZE	CUMUL. LOAD KVA	WIRE SIZE			COND. WIRE
1	3	1000	3		CEMENT LAB.	PANEL PA	2" 2-#12
2	3	1000	3		SOILS PREP. RM.	PANEL PB	2 1/2" 2-#12
3	3	1000	3		PENTHOUSE	PANEL PC	2" 2-#12
4	1	200	1		ROOM-15	DEVAL	1 1/2" 2-#12
5	1	200	1		"	"	"
6	2	200	1		"	L.D. REACTION	3" 3-#12
7	1	200	1		"	RECEPTACLE	2" 2-#12
8	2	1000	1		"	EXIST. PANEL	3" 3-#12
9	2	600	1		"	"	1" 3-#10
10	2	700	1		"	"	1 1/4" 3-#10
11	2	700	1		"	"	"
12	1	200	1		EXH. EXIST. REACTION	EXH. FAN	1 1/2" 2-#12
13, 14	1	200	1		EXIST. REACTION	TEL. EQUIP. & AIR COMP.	"
15-18	1	200	1		"	SARRES	"
19-20	3	700	3		"	REDUCTION	"

LEGEND:

- 1 FLUORESCENT FIXTURE, LETTER DENOTES FIXTURE TYPE
- 2 INCANDESCENT FIXTURE, LETTER DENOTES FIXTURE TYPE
- 3 INCANDESCENT FIXTURE, WALL SOCKET, LETTER DENOTES FIXTURE TYPE
- 4 DUPLEX RECEPTACLE, GROUNDING TYPE, MOUNT 16" ABOVE FIN. FL. UNLESS OTHERWISE INDICATED, SEE SPECIFICATIONS
- 5 ALUMINUM 2000, WITH NEMA GROUND RECEPTACLES, MOUNTING HEIGHT AS SHOWN ON THE DRAWINGS; SEE SPECIFICATIONS
- 6 MOTOR
- 7 JUNCTION BOX
- 8 SWITCH, SINGLE POLE, 20 AMP., MOUNT 4'-0" ABOVE FIN. FL. SEE SPECIFICATIONS
- 9 SWITCH, THREE-WAY, 20 AMP., MOUNT 4'-0" ABOVE FIN. FL. SEE SPECIFICATIONS
- 10 SWITCH, FOUR-WAY, 20 AMP., MOUNT 4'-0" ABOVE FIN. FL. SEE SPECIFICATIONS
- 11 SWITCH & ALLOY, 20 AMP., MOUNT 4'-0" ABOVE FIN. FL. SEE SPECIFICATIONS
- 12 TELEPHONE OUTLET, WALL OR FLOOR OUTLET AS INDICATED ON DRAWINGS; FLOOR OUTLET TO BE LEVY NO. 5353B, 1/2" TAPPING
- 13 POWER OUTLET, GROUND-WINDS NO. 45-1081 RECEPTACLE, 20 AMP., 3-WIRE, 3-POLE, WITH GROUNDING CONDUIT BOX & 1/2" ALLOY PLUG, MOUNT AS SHOWN ON THE DRAWINGS
- 14 POWER OUTLET, 20 AMP., 230V., 1/2" & 1/4" NO. 8140-G, MOUNT AS SHOWN ON DRAWINGS
- 15 CLOSE OUTLET, 1/2" & 1/4" NO. 8140-G, MOUNT AS SHOWN ON DRAWINGS
- 16 MOTOR SWITCH, WESTINGHOUSE CLASS 10-088 WITH HEATERS, BY HEATING CONTRACTOR