

Diagram illustrating the power distribution system for a school building, showing the main distribution panel room (2nd floor) and the secondary distribution panel room (1st floor).

Main Distribution Panel Room (2nd Floor):

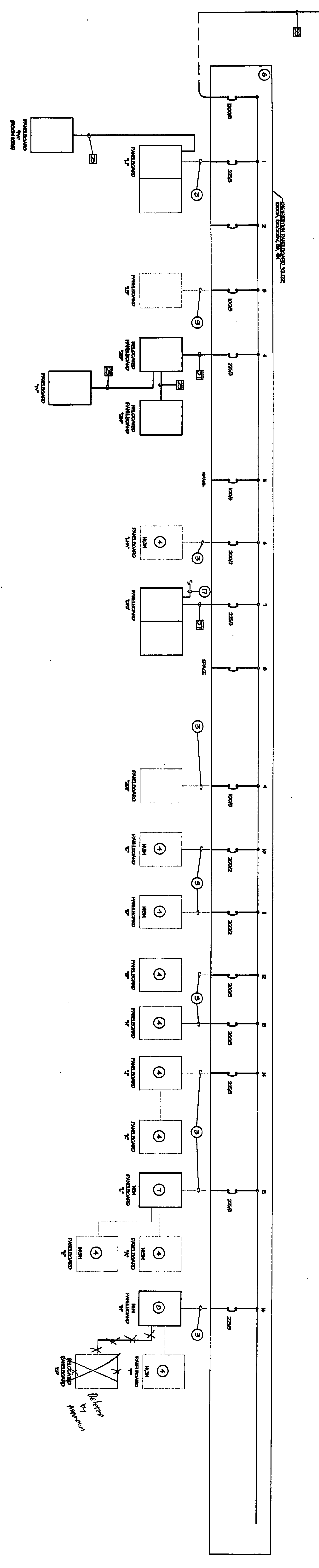
- 200A Main Switch
- 200A Bus
- 200A Breakers (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)

Secondary Distribution Panel Room (1st Floor):

- 200A Main Switch
- 200A Bus
- 200A Breakers (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)

Loads and Equipment:

- Classrooms (1-100)
- Library (1-10)
- Cafeteria (1-10)
- Gymnasium (1-10)
- Playground (1-10)
- Transformer (1-10)
- Generator (1-10)

[illegible][illegible]

We ENDED up
Rebuilding from 17"
as per the archiver
and the school on the
Allowance floor (Aug-2001)

CONDUIT AND WIRE DEGRADATION SCHEDULE						
STATION	ANALYSIS INTERVAL YEARS	DESCRIPTION	STATION	ANALYSIS INTERVAL YEARS	DESCRIPTION	
11	20	2000/6000/4000	55	200	2000/6000/4000	
12	20	2000/6000/4000	56	200	2000/6000/4000	
13	20	2000/6000/4000	57	200	2000/6000/4000	
14	20	2000/6000/4000	58	200	2000/6000/4000	
15	20	2000/6000/4000	59	200	2000/6000/4000	
16	20	2000/6000/4000	60	200	2000/6000/4000	
17	20	2000/6000/4000	61	200	2000/6000/4000	
18	20	2000/6000/4000	62	200	2000/6000/4000	
19	20	2000/6000/4000	63	200	2000/6000/4000	
20	20	2000/6000/4000	64	200	2000/6000/4000	
21	20	2000/6000/4000	65	200	2000/6000/4000	
22	20	2000/6000/4000	66	200	2000/6000/4000	
23	20	2000/6000/4000	67	200	2000/6000/4000	
24	20	2000/6000/4000	68	200	2000/6000/4000	
25	20	2000/6000/4000	69	200	2000/6000/4000	
26	20	2000/6000/4000	70	200	2000/6000/4000	
27	20	2000/6000/4000	71	200	2000/6000/4000	
28	20	2000/6000/4000	72	200	2000/6000/4000	
29	20	2000/6000/4000	73	200	2000/6000/4000	
30	20	2000/6000/4000	74	200	2000/6000/4000	
31	20	2000/6000/4000	75	200	2000/6000/4000	
32	20	2000/6000/4000	76	200	2000/6000/4000	
33	20	2000/6000/4000	77	200	2000/6000/4000	
34	20	2000/6000/4000	78	200	2000/6000/4000	
35	20	2000/6000/4000	79	200	2000/6000/4000	
36	20	2000/6000/4000	80	200	2000/6000/4000	
37	20	2000/6000/4000	81	200	2000/6000/4000	
38	20	2000/6000/4000	82	200	2000/6000/4000	
39	20	2000/6000/4000	83	200	2000/6000/4000	
40	20	2000/6000/4000	84	200	2000/6000/4000	
41	20	2000/6000/4000	85	200	2000/6000/4000	
42	20	2000/6000/4000	86	200	2000/6000/4000	
43	20	2000/6000/4000	87	200	2000/6000/4000	
44	20	2000/6000/4000	88	200	2000/6000/4000	
45	20	2000/6000/4000	89	200	2000/6000/4000	
46	20	2000/6000/4000	90	200	2000/6000/4000	
47	20	2000/6000/4000	91	200	2000/6000/4000	
48	20	2000/6000/4000	92	200	2000/6000/4000	
49	20	2000/6000/4000	93	200	2000/6000/4000	
50	20	2000/6000/4000	94	200	2000/6000/4000	
51	20	2000/6000/4000	95	200	2000/6000/4000	
52	20	2000/6000/4000	96	200	2000/6000/4000	
53	20	2000/6000/4000	97	200	2000/6000/4000	
54	20	2000/6000/4000	98	200	2000/6000/4000	
55	20	2000/6000/4000	99	200	2000/6000/4000	
56	20	2000/6000/4000	100	200	2000/6000/4000	

[illegible]

GENERAL ELECTRICAL NOTES:

A. COORDINATE MAIN LINE LOCATION IN ALL NEW PANELS AND NEW PANEL WIRINGS PRIOR TO INSTALLATION AND CONNECTION TO EXISTING FEEDER CONDUCTORS. VERIFY TOP OR BOTTOM FEED.

NOTES:

- 1 PROVIDE ISOLATED GROUND BUS.
- 2 PROVIDE NEAR CONDUCTIONS IN EXISTING CONDUIT.
- 3 PROVIDE A RAIL BUS AND SEPERD EXISTING CONDUCTIONS AND CONDUIT TO NEW SHARDWOODS/SHED/REBAR PAVEL.
- 4 EXISTING TIEB AND CARGING TO REPAIR, PROVIDE NEAR INTERIOR BUS, CARGAL REBARERS, AND PAVEL COVER RECONNECT TO EXISTING FEEDER.
- 5 RELOCATE IN EXISTING RIGER SEE SHEET E.1.5, EXISTED EXISTING REBAR/SHARD.
- 6 HUNT AT SAME LOCATION OF REBARERS SHARDERS AND REBARERS SHARDERS AND REBARERS SHARDERS AND CONDUCTIONS, AND TALL BOX WERE REQUIRED TO EXISTE ANY FEEDER.
- 7 NEW PAVELBOARD, RECONNECT TO EXISTING FEEDER CARGING TO PAVEL IV, AND E.
- 8 NEW PAVELBOARD, RECONNECT TO EXISTING FEEDER CARGING TO PAVEL IV AND F.
- 9 RECONNECT EXISTING FEEDERS TO NEW SHARDWOODS/SHED.
- 10 EXISTING TIEB AND CARGING TO REPAIR, PROVIDE NEAR INTERIOR BUS, CARGAL REBARERS, AND PAVEL COVER CONDUIT, TO NEW SHARDWOODS/SHED/REBAR PAVEL.
- 11 SEE CONDUCTION LUGS DETAIL ON SHEET B.0.
- 12 RECONNECT TO EXISTING 2000 BUS DUCT, PROVIDE NEW CARGAL REBARERS, AND PAVEL COVER CONDUIT, TO EXISTING FEEDER.
- 13 TALL BOX #1 LOCATED IN MECHANICAL ROOM 102Z.
- 14 TALL BOX #2 LOCATED IN MECHANICAL ROOM 101A.
- 15 NEW ISOLATED GROUND FOR ISOLATED GROUND BUS IN 102C, TO GROUND BUS OF NEW.
- 16 NEW ISOLATED GROUND FOR ISOLATED GROUND BUS IN 101A, TO GROUND BUS OF NEW.
- 17 NEW ISOLATED GROUND FOR ISOLATED GROUND BUS IN 102C, TO GROUND BUS OF NEW.

**VEAZEY
PARROT
DURKIN
&
SHOULDERS**

**ARCHITECT
ENGINEERS
PLANNERS**

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**RENOVATION PROJECT FOR:
DUNELAND SCHOOL CORP.
CHESTERTON HIGH SCHOOL/MIDDLE SCHOOL
CHESTERTON, INDIANA**

ELECTRICAL RISER DIAGRAM



Project No:	9480.00
Project Date:	JUNE 2000
Drawn By:	BY:HM
Approved By:	TLM
Drawing No:	E 6.0