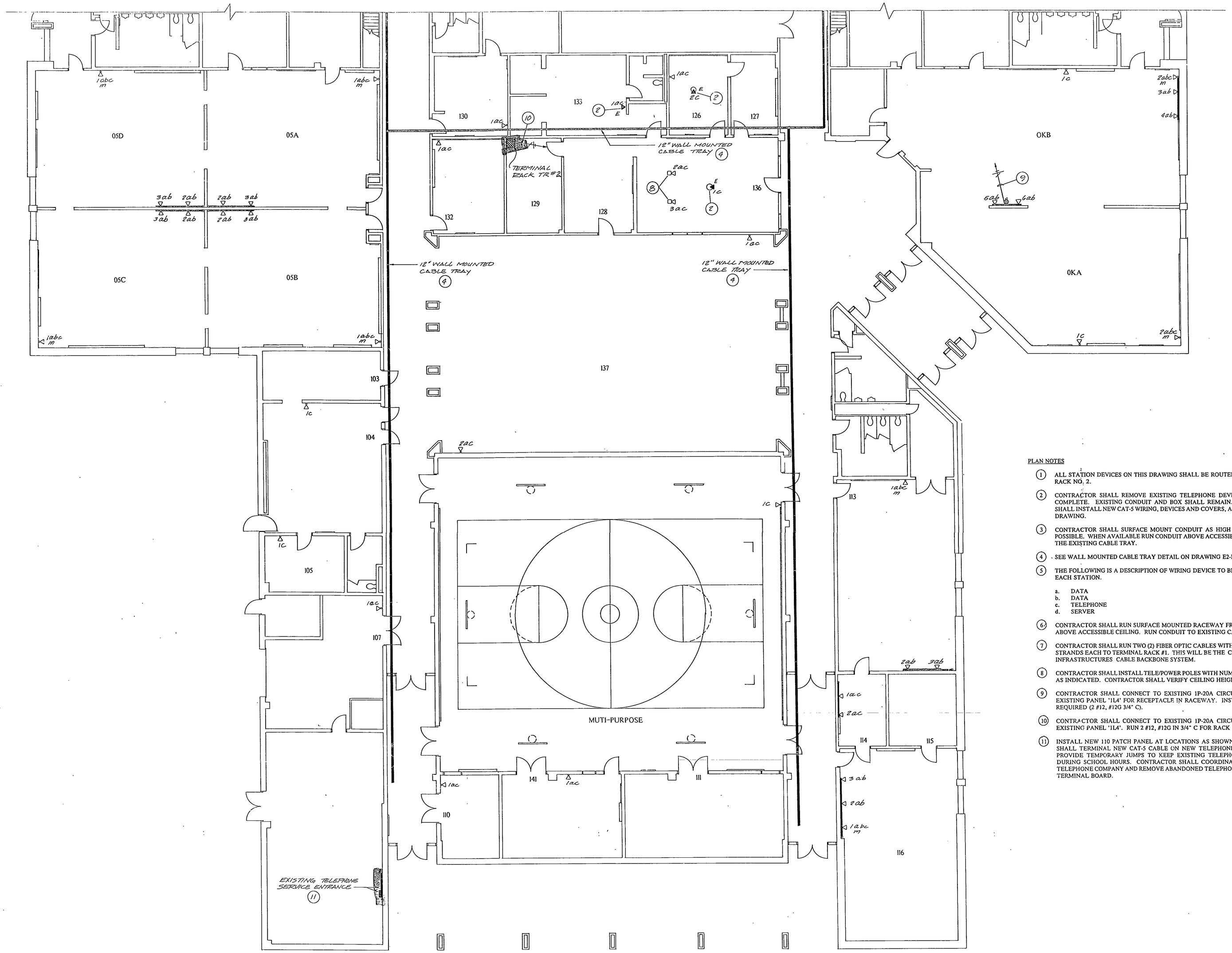
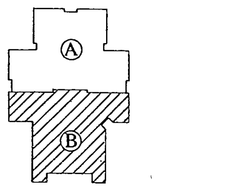


ELECTRICAL SYSTEM PLAN – UNIT B



KEY PLAN

NORTH

PLAN NOTES

1. ALL STATION DEVICES ON THIS DRAWING SHALL BE ROUTED TO TERMINAL RACK NO. 2.
2. CONTRACTOR SHALL REMOVE EXISTING TELEPHONE DEVICES AND WIRE COMPLETE. EXISTING CONDUIT AND BOX SHALL REMAIN. CONTRACTOR SHALL INSTALL NEW CAT-5 WIRING, DEVICES AND COVERS, AS INDICATED ON DRAWING.
3. CONTRACTOR SHALL SURFACE MOUNT CONDUIT AS HIGH TO CEILING AS POSSIBLE. WHEN AVAILABLE RUN CONDUIT ABOVE ACCESSIBLE CEILINGS TO THE EXISTING CABLE TRAY.
4. SEE WALL MOUNTED CABLE TRAY DETAIL ON DRAWING E2-D OF THIS SET.
5. THE FOLLOWING IS A DESCRIPTION OF WIRING DEVICE TO BE INSTALLED AT EACH STATION.
   a. DATA
   b. DATA
   c. TELEPHONE
   d. SERVER
6. CONTRACTOR SHALL RUN SURFACE MOUNTED RACEWAY FROM DEVICES TO ABOVE ACCESSIBLE CEILING. RUN CONDUIT TO EXISTING CABLE TRAY.
7. CONTRACTOR SHALL RUN TWO (2) FIBER OPTIC CABLES WITH FOUR (4) GLASS STRANDS EACH TO TERMINAL RACK #1. THIS WILL BE THE COMMUNICATION INFRASTRUCTURES CABLE BACKBONE SYSTEM.
8. CONTRACTOR SHALL INSTALL TELE/POWER POLES WITH NUMBER OF DEVICES AS INDICATED. CONTRACTOR SHALL VERIFY CEILING HEIGHT IN FIELD.
9. CONTRACTOR SHALL CONNECT TO EXISTING 1P-20A CIRCUIT BREAKER IN EXISTING PANEL '1L4' FOR RECEPTACLE IN RACEWAY. INSTALL WIRING AS REQUIRED (2 #12, #12G 3/4" C).
10. CONTRACTOR SHALL CONNECT TO EXISTING 1P-20A CIRCUIT BREAKER IN EXISTING PANEL '1L4'. RUN 2 #12, #12G IN 3/4" C FOR RACK POWER STRIP.
11. INSTALL NEW 110 PATCH PANEL AT LOCATIONS AS SHOWN. CONTRACTOR SHALL TERMINAL NEW CAT-5 CABLE ON NEW TELEPHONE PATCH PANEL. PROVIDE TEMPORARY JUMPS TO KEEP EXISTING TELEPHONE IN SERVICE DURING SCHOOL HOURS. CONTRACTOR SHALL COORDINATE WITH LOCAL TELEPHONE COMPANY AND REMOVE ABANDONED TELEPHONE CABINET AND TERMINAL BOARD.

TIMOTHY V. MOORE REGISTERED No. 13815 STATE OF INDIANA PROFESSIONAL ENGINEER

PRINCIPAL | PROJECT ENGINEER

CERTIFIED BY:
PRINCIPAL: Timothy V. Moore

CERTIFIED BY:
PROJECT ENGINEER

CERTIFIED BY:
PROJECT DESIGNER

REVISIONS

MARK	DATE	DESCRIPTION

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COMMUNICATIONS INFRASTRUCTURE FOR DUNELAND SCHOOL CORPORATION

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

TITLE:
JACKSON ELEMENTARY SCHOOL

DATE:	12 / 5 / 94
SCALE:	1/8" = 1'- 0"
COMM. NO:	94054
DRAWN BY:	R.D.C.

SHEET NO: E2-

10-8-96