



Procedure

This 3-story school is in the bidding stage.

Take-Off

Use company color codes and the prepared take off sheet provided with the drawing.

SYSTEMS

06 FIXTURES

08 DEVICES – LIGHTING

13 DEVICES – POWER

COUNT

Count all electrical materials shown on the drawing. Use company color codes and the prepared take off sheet provided with the drawing.

SYSTEMS

07 LIGHTING BRANCH

12 POWER BRANCH

MEASURE

For this project we will be measuring the power branch and lighting branch by circuit number and recording each individual length (horizontal and vertical) in the prepared table. The “home runs” will also be measured separately by circuit number and recorded in the table provided. The total length of each type of branch (power and lighting) is the sum of the individual circuit branches and the home runs.

Specifications

Walls are painted concrete block

Floor 5” Slab

Roof Support – Open Web Steel Trusses. Bottom Member 9’ AFF

Suspended Lay-In Ceiling 8’ AFF

Top of Panel H is 60” AFF and the Panel is 36” High

Lighting Switches are 20A mounted at 48” AFF

Lighting Panel “H” will require a quote from an approved supplier.

Raceways

3/4” Rigid Conduit (GRC)

4” SQ BOX 1/2” & 3/4” KO

Conduit Hangers and 1/4” Beam Clamps Attached
to Steel Trusses

#12 THHN

Support Every 10’ and 18” within each box

Makeup

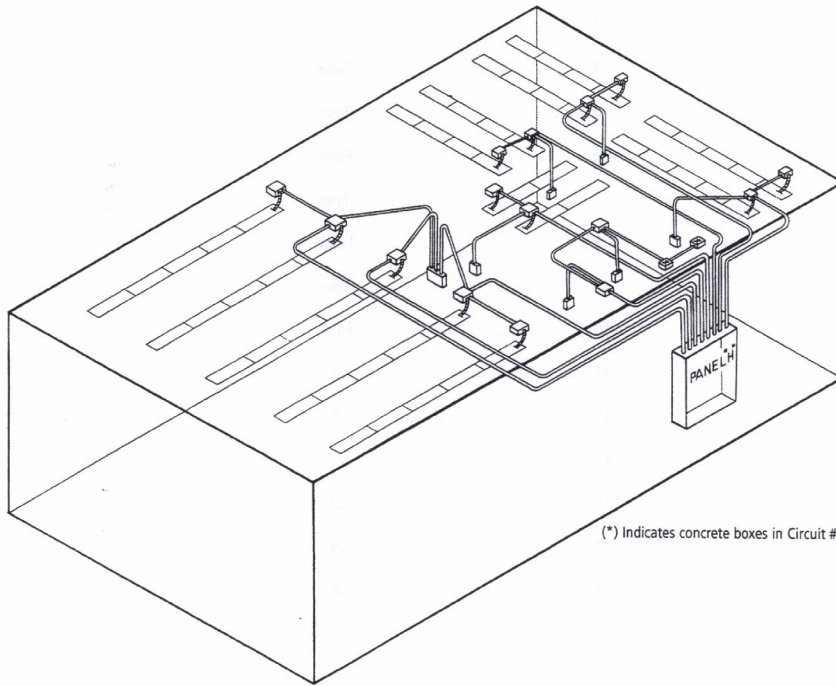
1/2” Metal Flex 60”

Box 12”

Panel 24”

See back for isometric drawings of the Lighting Branch and the Power Branch.

LIGHTING CIRCUITS ONLY



(*) Indicates concrete boxes in Circuit #H-13

RECEPTACLE CIRCUITS ONLY

