

SPECIAL SYSTEMS CABLE COLORS		
SYSTEM	COLOR	REMARKS
DATA	BLUE	OWNER INSTALLED
VOIP	GREY	OWNER INSTALLED
INTERCOM	YELLOW	OWNER INSTALLED
CLOCK	WHITE	OWNER INSTALLED
INTRUSION	GREY/WHITE	OWNER INSTALLED
ACCESS CONTROL	GREY/BLACK	OWNER INSTALLED
VID. SURVEILLANCE	PURPLE	OWNER INSTALLED
FIRE ALARM	RED	OWNER INSTALLED
0-10V DIMMING	PURPLE/GREY	16/2 OR MC-PCS
SPEAKER CABLE	BLACK	OWNER INSTALLED

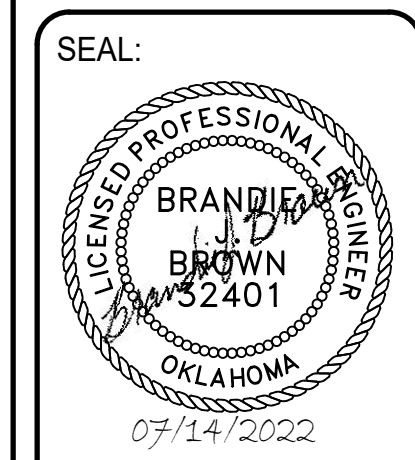
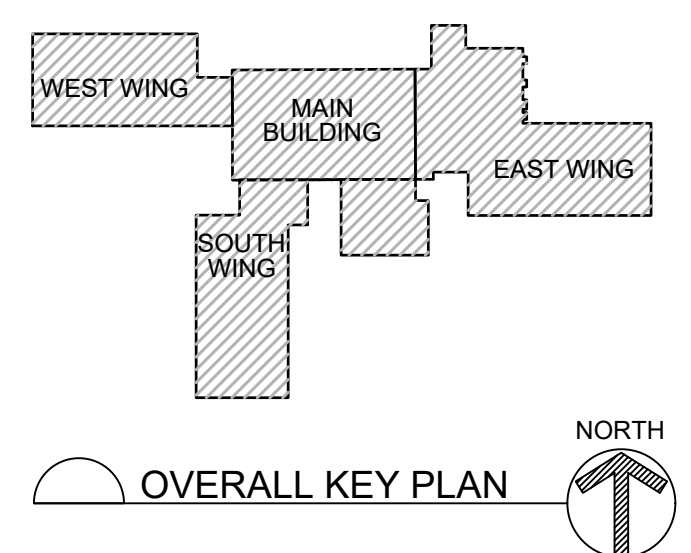
- GENERAL ELECTRICAL NOTES:**
- CONTRACTOR SHALL PROVIDE AND INSTALL B-LINE FLEXTRAY #FT4X12 OR #FT4X8 (WIDTH AND LENGTH AS INDICATED) 4" DEEP BASKET TYPE CABLE TRAY SUSPENDED FROM STRUCTURE ABOVE CEILING IN CONFIGURATION AS INDICATED. PROVIDE ALL FITTINGS AND ACCESSORIES AS REQUIRED FOR COORDINATION WITH ARCHITECTURAL CEILING TYPES AND FINISHES.
 - CABLE TRAYS EXPOSED TO VIEW SHALL BE POWDER COATED BLACK FINISH. CONCEALED CABLE TRAYS SHALL BE GALVANIZED ZINC COATED FINISH. ALL ACCESSORIES AND FITTINGS SHALL MATCH TRAY COLORS.
 - ALL DATA/COMM AND SPECIAL SYSTEMS CABLING NOT INSTALLED IN CABLE TRAYS SYSTEMS SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED TO VIEW OR CAT-6 RATED J-HOOKS SPACED ON IRREGULAR 4' CENTERS WHERE CONCEALED FROM VIEW. USE 1" MINIMUM WIDTH VELCRO STRAPS. DO NOT USE CABLE TIES.
 - E.C. SHALL PROVIDE SUBMITTAL/SHOP DRAWINGS OF ALL CABLE TRAY SYSTEM COMPONENTS AND APPROXIMATE ROUTING OF OTHER MEANS OF CABLE SUPPORT FOR REVIEW AND APPROVAL PRIOR TO RELEASE.
 - E.C. SHALL UTILIZE CABLE TRAY SYSTEM FOR ROUTING OF ALL SPECIAL SYSTEMS CABLING AS REQUIRED WITHIN THE PROJECT SCOPE. COORDINATE WITH OWNER FURNISHED/INSTALLED SYSTEM(S) CABLING AND RESERVE 80% MINIMUM CAPACITY OF ALL CABLE TRAY FOR OWNER CABLING.
 - E.C. SHALL PROVIDE AND INSTALL SURFACE MOUNTED RACEWAYS OR CONDUITS FOR ALL DATA DROP LOCATIONS WITHIN THE PROJECT SCOPE. THIS INCLUDES HORIZONTAL SURFACE MOUNTED RACEWAYS WITHIN CLASSROOMS AND OTHER AREAS OF EXPOSED STRUCTURE. ALL SPECIAL SYSTEMS CABLING WITH AREAS OF EXPOSED STRUCTURE SHALL BE ROUTED WITHIN RACEWAYS PROVIDED BY THE E.C. E.C. SHALL VERIFY EXACT REQUIREMENTS AND LOCATIONS WITH OWNER'S SPECIAL SYSTEMS INSTALLER(S) PRIOR TO ROUGH-IN.

NEW 480V DISTRIBUTION FEEDS ROUTED ON ROOF-TOP FOR CLASSROOM WING PANELBOARDS AND EQUIPMENT. TYPICAL.

UNDERGROUND ELECTRICAL FEED(S) TO KITCHEN AREA PANELBOARDS AND EQUIPMENT.

APPROXIMATE LOCATION OF 1200A 480Y/277V 3Ø 4-W SERVICE ENTRANCE PANELBOARD 'HMDP' INSTALLED IN PHASE 1 WORK.

OVERALL ELECTRICAL DISTRIBUTION PLAN
SCALE: 1/16" = 1'-0"



**BLACKWELL PUBLIC SCHOOLS
2021 BOND PROJECTS
CAMPUS RENOVATIONS**
BLACKWELL, OKLAHOMA

REVISIONS:
LABEL: DATE:

SHEET TITLE:
OVERALL ELECTRICAL DISTRIBUTION PLAN - HIGH SCHOOL
DATE: 07/14/2022

SHEET NUMBER
E1.311