



- ### KEYNOTES (K)
- MOTOR CONTROL CENTER "MCC-1", SERVING PARTIALLY AS A SWITCHBOARD FEEDING VFCs, TO REMAIN.
 - MOTOR CONTROL CENTER "MCC-2", TO REMAIN.
 - VFC RACK, CONTAINING SIX DRIVES, OF WHICH FIVE ARE BEING REPLACED IN THIS WORK: INDIVIDUAL DRIVES FOR VWSAF-1, VWSAF-3 AND VWSAF-5, PLUS ONE DRIVE SERVING VVRAF-1 & VVRAF-2, AND ONE DRIVE FOR VVRAF-3 & VVRAF-4. THESE FIVE (5) DRIVES ARE TO BE REPLACED WITH DRIVES OF THE SAME CAPACITY, IN THE SAME LOCATION, SERVING THE SAME LOADS. RE-CONNECT TO EXISTING FEEDERS.
 - VFC RACK, CONTAINING SIX DRIVES, OF WHICH FOUR ARE BEING REPLACED IN THIS WORK: INDIVIDUAL DRIVES FOR VWSAF-2, VWSAF-4 AND VWSAF-6, PLUS ONE DRIVE SERVING VVRAF-5 & VVRAF-6. THESE FOUR (4) DRIVES ARE TO BE REPLACED WITH DRIVES OF THE SAME CAPACITY, IN THE SAME LOCATION, SERVING THE SAME LOADS. RE-CONNECT TO EXISTING FEEDERS.
 - EXISTING 480/3 FAN TO BE REPLACED WITH NEW FAN OF SAME SIZE - DISCONNECT EXISTING AND RECONNECT NEW FAN TO THE SAME FEEDER.
 - PROVIDE SMOKE DETECTORS, MATCHING EXISTING, ONE EACH FOR SUPPLY AND RETURN DUCT AT AHU-22A, AHU-23A AND AHU-24A. TO BE INSTALLED BY DIVISION 23 IN EXISTING DETECTOR LOCATIONS AND RECONNECTED TO EXISTING FIRE ALARM CIRCUITING BY DIVISION 26.
 - EXISTING CHILLED WATER CIRCULATOR PUMP TO BE REPLACED IN THIS WORK. DISCONNECT EXISTING AND RECONNECT EXISTING FEEDER TO NEW PUMP (SAME SIZE AND LOCATION).

ELECTRICAL LEGEND

	PANELBOARD SURFACE MOUNTED, FLUSH MOUNTED.
	MOTOR, NUMERAL DENOTES HORSEPOWER
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH
	DISCONNECT SWITCH
	SINGLE POLE SWITCH. MOUNT 48" ABOVE FINISHED FLOOR TO CENTERLINE.
	DUPLEX RECEPTACLE, 20 AMP, 120V., 3 POLE POLARIZED
	JUNCTION BOX, CEILING MTD., WALL MTD., CEILING MTD. W/FLEX. CONNECTION SHOWN.
	DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBES
	EXPOSED RACEWAY
	RACEWAY CONCEALED IN WALL OR CEILING
	HOMERUN TO PANELBOARD, LETTERS DENOTE PANEL, NUMBER OF ARROWS INDICATE QUANTITY OF CIRCUITS. SHORT CROSSBARS DENOTE PHASE CONDUCTORS, LONG CROSSBAR DENOTES NEUTRAL. (A TWO WIRE CIRCUIT HAS NO CROSSBARS.) EQUIPMENT GROUND CONDUCTOR IS REQUIRED BUT NOT SHOWN.
	GROUND FAULT CIRCUIT INTERRUPTING
	WEATHERPROOF
	EXISTING ITEM TO REMAIN. NORMALLY USED IN COMBINATION WITH SYMBOL (EXAMPLE: DENOTES EXISTING RECEPTACLE TO REMAIN)
	REMOVE EXISTING ITEM. NORMALLY USED IN COMBINATION WITH DASHED SYMBOL (EXAMPLE: DENOTES EXISTING RECEPTACLE TO BE REMOVED)

1 THIRTEENTH FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
0' 2' 4' 8' 16'
NORTH

REVISIONS:

PROJECT #: 24308.00
DATE: APRIL 10, 2015
DRAWN BY: CKH
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SHEET NUMBER:
E-12P

DESCRIPTION:
THIRTEENTH FLOOR PLAN
- ELECTRICAL