FIRE ALARM SCOPE

THE EC. SHALL BE RESPONSIBLE FOR THE COMPLETE FIRE ALARM SYSTEM ADDITION/ MODIFICATION.

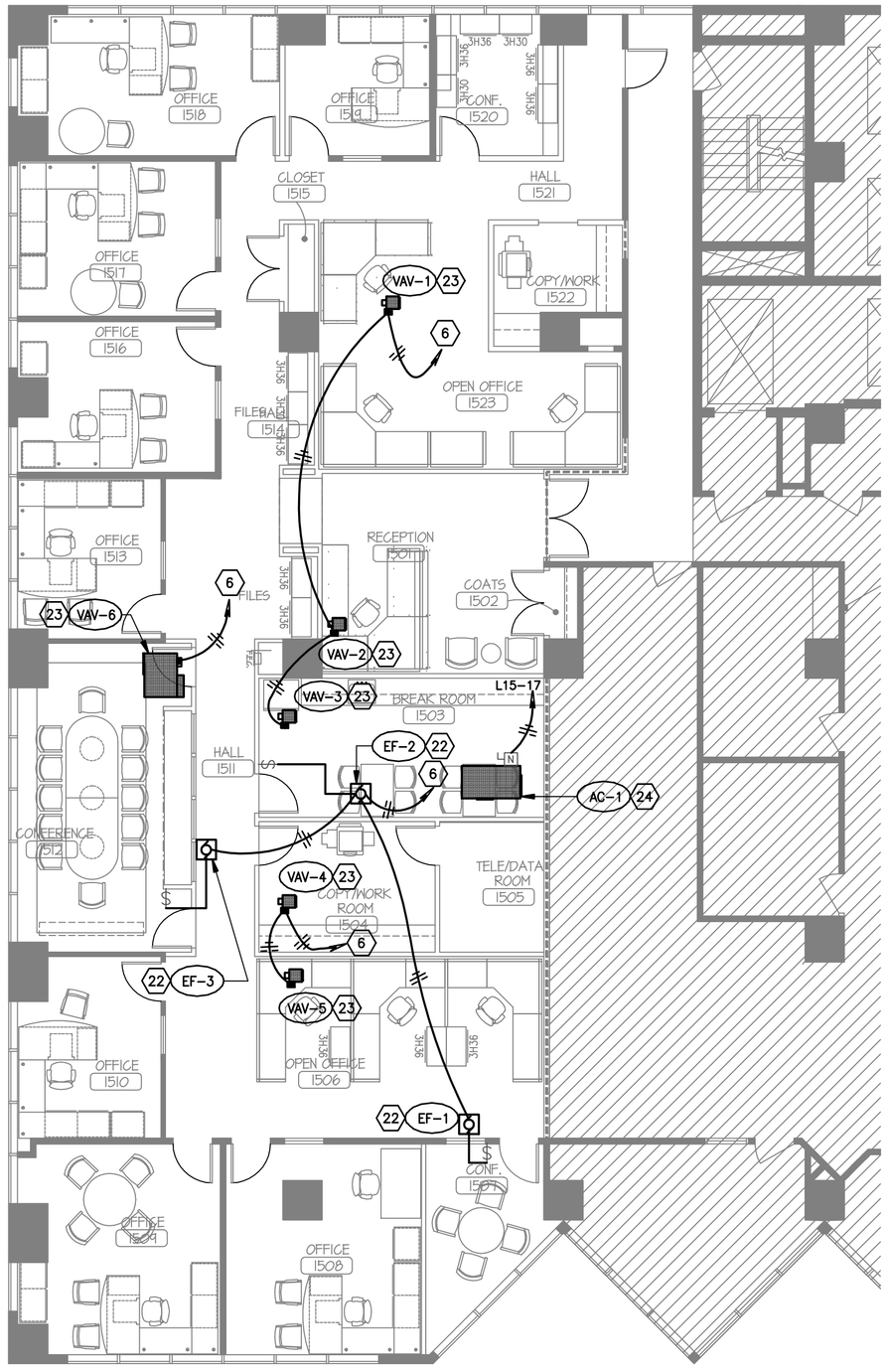
THE EC. TO HIRE LANDLORD APPROVED FIRE ALARM CONTRACTOR.

ALL FIRE ALARM PRODUCTS FOR THIS PROJECT SHALL MATCH EXISTING DEVICES/EQUIPMENT USED IN THIS FACILITY.

CONTRACTOR SHALL PROVIDE COMPLETE CONSTRUCTION DOCUMENTS FOR THIS SCOPE, ALL FEES & MAKE ALL SUBMITTALS FOR APPROVAL.

ELECTRICAL CODED NOTES

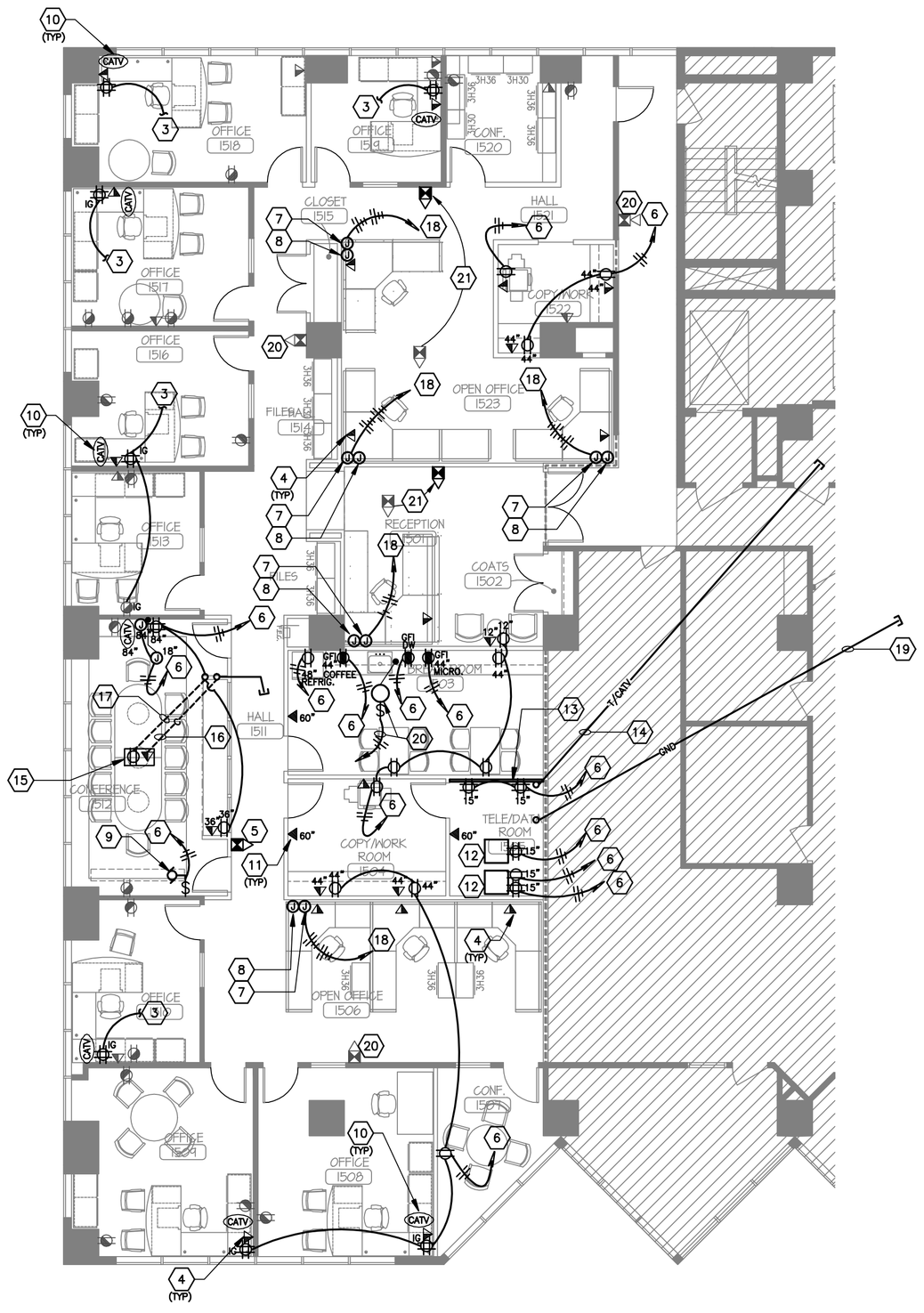
1. EXISTING FIRE ALARM DEVICE TO BE RELOCATED TO LOCATION DENOTED. EXTEND WIRING AS NECESSARY.
2. EXISTING FIRE ALARM DEVICE TO BE DEMOLISHED COMPLETELY BACK TO SOURCE.
3. CIRCUIT NEW RECEPTACLE TO LOCAL RECEPTACLE ISOLATED GROUND CIRCUIT (MAX. 5 RECEPT. PER 20A/1P BREAKER) w/ (2) #12 & (1) #12 GND IN 1/2" C.
4. COMBINATION DATA/COMM OUTLET. STUB 1" CONDUIT w/ PULL WIRE TO ABOVE CEILING, FOR FUTURE CABLING BY OTHERS.
5. NEW FIRE ALARM DEVICE, TYPE TO MATCH EXISTING. CONNECT TO LOCAL FIRE ALARM SYSTEM.
6. EXTEND (2) #12 & (1) #12 GND IN 1/2" C. TO SPARE 20A,1P CIRCUIT BREAKER IN 120/208V PANEL MADE AVAILABLE DURING DEMOLITION.
7. J-BOX FOR ELECTRICAL WHIP CONNECTION TO FURNITURE. FINAL CONNECTION BY E.C.
8. J-BOX FOR COMMUNICATION WHIP CONNECTION TO FURNITURE. EXTEND (1) 1" COMMUNICATION CONDUIT FROM J-BOX UP ABOVE CEILING FOR FUTURE CABLING BY OTHERS.
9. PROVIDE SWITCH MOUNTED ON WALL FOR MOTOR OPERATED PROJECTOR SCREEN. COORDINATE ELECTRICAL REQUIREMENTS WITH TENANT.
10. E.C. TO PROVIDE A 4" SQUARE OUTLET BOX w/ A SINGLE GANG MUDRING. PROVIDE 3/4" CONDUIT w/ PULL WIRE FROM OUTLET STUBBED UP ABOVE ACCESSIBLE CEILING FOR FUTURE CABLING BY OTHERS.
11. COMMUNICATION OUTLET. STUB 3/4" CONDUIT w/ PULL WIRE FROM OUTLET STUBBED UP ABOVE ACCESSIBLE CEILING FOR FUTURE CABLING BY OTHERS.
12. SEE DETAIL #48/A401 FOR DETAIL @ ELECTRICAL DROP AT BACK SIDE OF RACK FOR DETAILING OF MOUNTING THE RECEPTACLES TO THE COMPUTER RACKS.
13. PROVIDE A 8'Wx4'Hx¾" FIRE TREATED PLYWOOD BACKBOARD WITH A #6 SOLID COPPER GROUND WIRE FROM ELECTRIC PANEL GROUND THIS FLOOR. COIL 6" AT BACKBOARD. PAINT BACKBOARD TO MATCH WALL.
14. PROVIDE (2) 2" PVC SERVICE CONDUITS (T/CATV) w/ PULLWIRE FROM TELE/DATA ROOM TO 15TH FLOOR TELEPHONE/CATV SERVICE ROOM RAN IN ACCESSIBLE CEILING.
15. MULTISERVICE STEEL RECESSED FLOOR BOX, WIREMOLD #RFB4. PROVIDE w/ FLANGED ACTIVATION KIT, WIREMOLD #S36BBTC* (* COLOR PER ARCHITECT). PROVIDE DUPLEX RECEPTACLE & DATA/COMMUNICATION PORT IN FLOOR BOX. COORDINATE EXACT LOCATION w/ ARCHITECT.
16. EXTEND ¾"C UNDER FLOOR w/ PULLWIRE STUBBED UP TO ABOVE ACCESSIBLE CEILING IN WALL FOR FUTURE WIRING BY OTHERS.
17. (2) #12 & (1) #12 GND IN ¾"C.
18. EXTEND (3) #10 & (1) #10 GND (CLEAN) & (3) #10 & (1) #10 GND (DIRTY) IN ¾" C. TO (4) SPARE 20A, 1P CIRCUIT BREAKERS IN 120/208V PANEL MADE AVAILABLE DURING DEMOLITION.
19. PROVIDE A #4 GROUND FROM ELECTRICAL PANEL GROUND THIS FLOOR TO GROUND BUS THIS ROOM.
20. EXISTING FIRE ALARM DEVICE TO REMAIN.
21. EXISTING FIRE ALARM DEVICE TO BE RELOCATED TO LOCATION AS SHOWN. EXTEND WIRING AS NECESSARY.
22. E.C. TO PROVIDE FINAL CONNECTION TO EXHAUST FAN FROM M.C. PROVIDED SWITCH AND INTEGRAL DISCONNECT.
23. E.C. TO PROVIDE FINAL CONNECTION TO M.C. PROVIDED 120V VAV BOX w/ INTEGRAL DISCONNECT.
24. E.C. TO PROVIDE FINAL CONNECTION TO M.C. PROVIDED ABOVE CEILING AIR CONDITIONER w/ INTEGRAL DISCONNECT.



NORTH

FLOOR PLAN - MECHANICAL EQUIPMENT POWER

SCALE: 1/8" = 1'-0"



NORTH

FLOOR PLAN - POWER

SCALE: 1/8" = 1'-0"

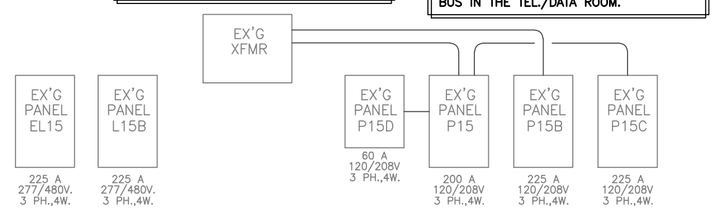
EXISTING DENOTED IN "*ITALICS*" NEW WORK DENOTED IN "BOLD"

PANEL: L15	MAIN BREAKER NO	225 AMP., EXG AIC	MOUNTING SURFACE
	MAIN LUGS ONLY YES	277 / 480 VOLTS	LOCATION ELEC. ROOM
TYPE: NF	SOLID NEUTRAL YES	3 PH., 4 WIRE, 60 HZ	FED FROM BUS WAY
	GROUND BUS YES	* = GFI BREAKER	** = WITH 'LOCK-ON'

CKT No.	BKR	LOAD	WIRE	CKT. KW	PHASE A	PHASE B	PHASE C	CKT. KW	WIRE	LOAD	BKR	CKT No.
1	20/1	*UNKNOWN*	*EX*		X				*EX*	*LTG - 1502-1508*	20/1	2
3	20/1	*UNKNOWN*	*EX*			X			*EX*	*HALL LIGHTS*	20/1	4
5	20/1	*UNKNOWN*	*EX*				X		*EX*	*LTG 435*	20/1	6
7	20/1	*LTG N.W.*	*EX*		X				*EX*	*HT WTR 1507*	20/1	8
9	20/1	*HT WTR 1560*	*EX*			X			*EX*	*BATHROOM LTG*	20/1	10
11	20/1	*UNKNOWN*	*EX*				X		*EX*	*PWR MONITOR*	20/1	12
13	20/1	*UNKNOWN*	*EX*		X							14
15	20/1	*UNKNOWN*	*EX*			X			*EX*	*VAV 1570*	20/3	16
17	**15/1**	**AC-1**	**12**	**1.8**			X					18
19					X							20
21						X						22
23							X					24
25					X							26
27						X						28
29							X					30

E.C. SHALL PROVIDE "AMP LOAD TEST" FOR ALL PANELS BEING MODIFIED DURING PEAK OCCUPANCY TIME & REPORT TO ENGINEER PEAK AMP DRAW FOR CONFORMATION OF NEW LOAD CAPACITY.

E.C. TO ADD ISOLATED GROUND BUS TO ANY 120/208V PANEL THAT WILL FEED AN ISOLATED GROUND CIRCUIT. FOR THIS TENANT EXTEND (1) #4 GND FROM NEW ISOLATED GROUND BAR TO NEW GROUND BUS IN THE TEL./DATA ROOM.



1 / E-2 EXISTING ELECTRICAL RISER

NO SCALE

EXISTING ELECTRICAL RISER SHOWN FOR REFERENCE ONLY.

E.C. TO FIELD VERIFY FIELD CONDITIONS PRIOR TO BID.

NEW AND EXISTING RECEPTACLES TO REMAIN, SHOWN ON PLAN. E.C. TO REMOVE ALL OTHER DEVICES COMPLETELY BACK TO SOURCE. E.C. TO TAG CIRCUITS MADE AVAILABLE DURING DEMOLITION FOR REUSE IN NEW CONSTRUCTION SCOPE.

EC SHALL CONFIRM THAT ALL RECEPTACLES TO REMAIN ARE ACTIVE.

McMULLEN ENGINEERING CO., INC.
MECHANICAL AND ELECTRICAL ENGINEERS
100 South State Street, Westerville, Ohio 43081
614-895-9408 FAX:614-895-9450
E-Mail: meci@mcmulleneng.com
Web: http://www.mcmulleneng.com

TENANT IMPROVEMENTS FOR:

RBC Capital Markets
One Columbus Center
15th Floor- Suite 1550
10 West Broad St.
Columbus, OH 43215

RBC Capital Markets
RBC Capital Markets Corporation - Member NYSE/SIPC

SEAL HERE

SHEET TITLE: **FLOOR PLAN - POWER**

Date:
Comm. No:
In Charge:
Drawn By:
Checked By:

E-2

J:\2007\0759-A\E2.dwg, 12/19/2007 4:17:52 PM, phillipr