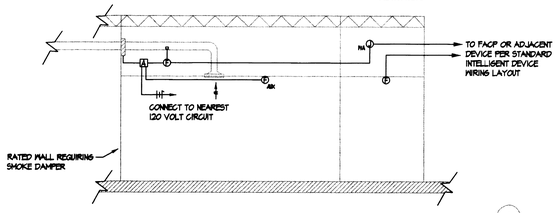
NOTE: THE NUMBER OF CONTACTS, CONTACT RATING, CONTROL STEP DOWN TRANSFORMER, TRANSFER RATING, NUMBER OF INTERFACE WIRES, ETC. ARE A MEANS AND METHOD THAT INSTALLING SHALL DETERMINE IN CONJUCTION WITH THE SPECIFIED PERFORMANCE OUTLINED. REFER TO MECHANICAL PLANS FOR ALL SMOKE DAMPER LOCATIONS

EITHER DEVICE WILL BE ACCEPTED TO SEND SIGNAL TO ACTIVATOR AND FACP.

A — 120 VOLT DAMPER ACTIVATOR TO DRIVE SMOKE DAMPER VANES CLOSED ON SIGNAL FROM SMOKE DETECTOR. NOT SHOWN ON PLAN. PROVIDE AS REQUIRED.

P DS — DUCT SMOKE DETECTOR AND SAMPLING TUBE ASSEMBLY WITH AUX CONTACTS TO SEND SIGNAL TO DAMPER ACTIVATOR.

P AUX — CEILING TYPE SMOKE DETECTOR. AUX INDICATES APPROPRIATE AUXILLARY CONTACTS AS REQUIRED TO SEND SIGNAL TO DAMPER ACTIVATOR.

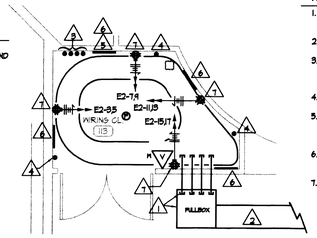


SMOKE DAMPER SCHEMATIC DIAGRAM

NOT TO SCALE

GENERAL NOTES FOR WIRING CLOSET:

- EACH QUADRUPLEX RECEPTACLE SHOWN IN COMMUNICATIONS ROOM SHALL BE DEDICATED WITH SEPARATE NEUTRAL, INTEGRAL SURGE SUPPRESSION AND BE CONNECTED TO EMERGENCY POWER.
- LADDER TRAY SHALL BE 18" WIDE X 4" DEEP, EQUAL TO B-LINE SERIES 246 12" RUNS SPACING. TRAY SHALL BE MTD AT 9'-0" TO BTM A.F.F. AND 4" OFF THE WALL IN THE CONFIGURATION SHOWN BELOW.
- WHERE CONDUITS ARE STUBBED THRU MAIN AND UPPER LEVEL FLOOR SLABS - CONDUITS SHALL PROTRUDE 2" AND SHALL BE CAPPED.
- EACH COMMUNICATIONS CLOSET SHALL HAVE A DEDICATED GROUNDING SYSTEM. LOOP ALL GROUND BARS TOGETHER SECURE CONDUCTORS TO WALLS PER N.E.C. (FIELD COORDINATE EXACT LOCATION OF GROUND BARS WITH EQUIPMENT)

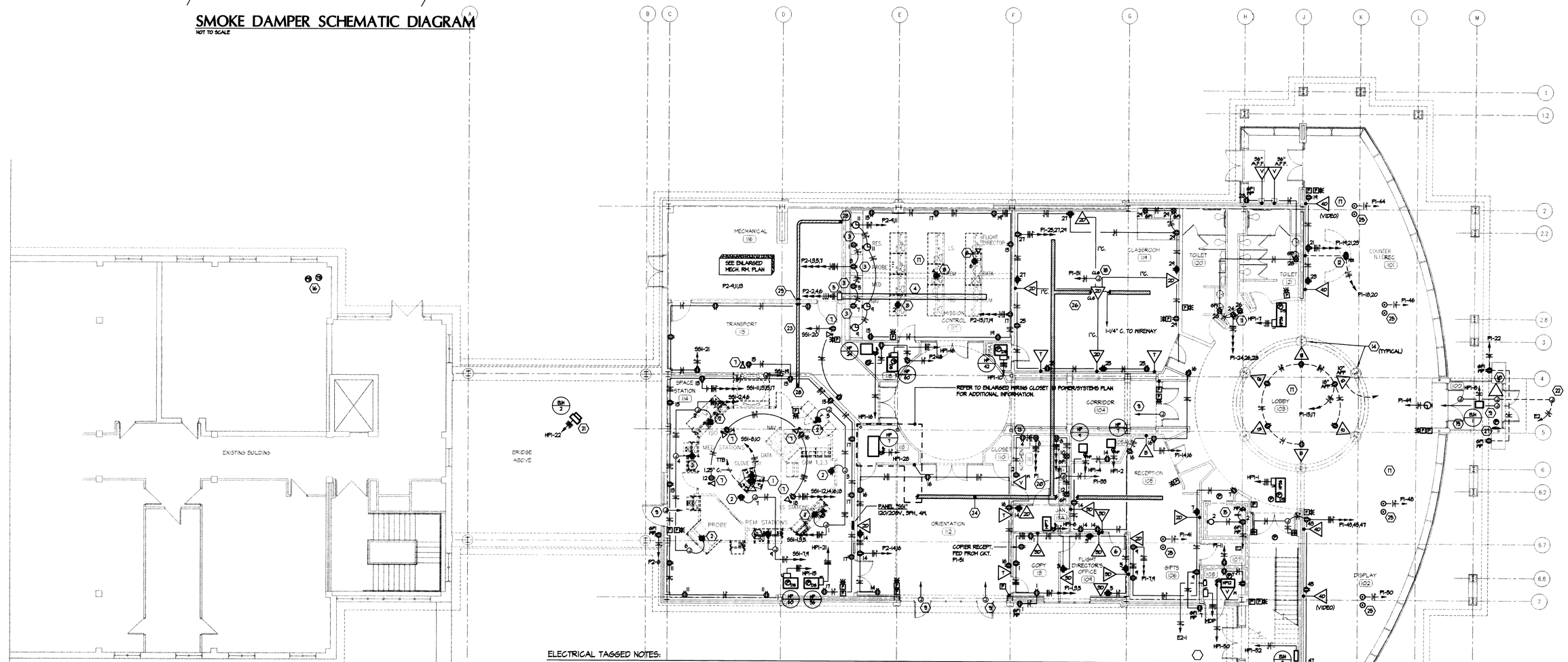


WIRING CLOSET 113 – POWER/SYSTEMS

SCALE: 1/4" = 1'-0"

WIRING CLOSET 113 ELECTRICAL TAGGED NOTES:

1. (8) 4" CONDUITS - (2 ROWS OF 4" CONDUITS STACKED) INTO 18" HIGH X 30" SQUARE PULLBOX PULLBOX TO HAVE TOP AND BOTTOM HINGED COVER AND SCREW LATCH SECURING MECHANISM.
2. ENCLOSED WIREWAY, REFER TO 1/8" SCALE PLANS
3. (4) 4" CONDUIT AND (2) QUAD INNERDUCTS FROM MANHOLE - STUB UP IN FLOOR OR ROUTE THRU CEILING VOID IN A MANNER WHICH SLOPES CONDUIT AWAY FROM BUILDING.
4. (2) 4" CONDUITS TO SECOND FLOOR WIRING CLOSET ON CORRESPONDING WALL
5. (1) #2 GROUND IN 1-1/2" CONDUIT TO MAIN DISTRIBUTION PANEL "MDP" GROUNDING TRIAD. ROUTE (1) #2 GROUND IN 1" CONDUIT UP TO GROUND BAR MTD'D AT THIS POINT IN SECOND FLOOR COMMUNICATION'S CLOSET.
6. 1" X 12" (12) POSITION GROUND BAR MTD AT 9'-0" A.F.F. UNLESS OTHERWISE NOTED. #2 INSULATED GROUND LOOP AROUND EACH ROOM TO EACH GROUND BAR.
7. EMERGENCY POWER OUTLETS: (2) QUADRUPLEX RECEPTACLES - (1) AT 18" A.F.F. AND (1) 7'-0" A.F.F. (DEDICATED NEUTRAL)



ELECTRICAL TAGGED NOTES:

1. RECESSED FLOOR OUTLET, STAMPED STEEL BODY, SOLID BRASS COVERPLATE. WALKER #RFB4-SS, WITH CORRECT ADAPTER PLATES FOR DEVICES SHOWN. THICKEN CONCRETE SLAB 5" BELOW BOX FOR 8' AROUND AND BELOW BOX OUTLINE.
2. SUSPEND OUTLETS FROM ABOVE WITH 3/4" SEALTITE FLEX TO 12" A.F.F. AND FASTEN TO SPACE STATION FURNITURE AS REQUIRED BY FURNITURE INSTALLER. EXACT LOCATION TO BE DETERMINED IN FIELD.
3. LOCATE OUTLETS ON REAR OF MONITOR SUPPORT RACK AS DIRECTED BY INSTALLER. REFER TO ARCHITECTURAL ELEVATIONS. PROVIDE INDIVIDUAL BACKBOX AND 1" CONDUIT FROM EACH MONITOR LOCATION INTO MECHANICAL ROOM. INSTALL 4" SQ. PULLBOX THEN ROUTE INTO SPACE STATION CEILING VOID.
4. 12"W X 3"D FLOOR TRENCH DUCT, 14 GA. STEEL BODY, 1/4" ALUMINUM COVERPLATES. SEE SPECS FOR INFORMATION. THICKEN CONCRETE SLAB BY 3" BELOW AND BESIDE DUCT. (SQUARE D GLASS 5250 OR EQUAL). PROVIDE OPENINGS IN TOP PLATE OF TRENCH DUCT AS REQUIRED BY EQUIPMENT INSTALLER.
5. PROVIDE 12"W VERTICAL ELBOW FROM FLOOR TRENCH, RISE UP WALL TO AN 18" X 18" X 6"D. SCREW COVER PULL BOX FOR FUTURE CABLE ACCESS. PROVIDE THREE 2" BUSHED NIPPLES INSIDE OF PULLBOX.
6. REFER TO TYPICAL OFFICE ON SECOND FLOOR FOR TELECOMMUNICATION CONDUIT REQUIREMENTS.
7. INSTALL A 1-G BOX ABOVE CEILING OF AREA SHOWN AND ROUTE A 3/4" C. BACK TO TTB LOCATION IN MECH. ROOM FOR CAMERA INSTALLATION BY CHALLENGER EQUIPT. INSTALLER. USE SWEEPING ELLS IN CONDUITS AND MAKE LAST 6' OF RUN AT OUTLET FLEXIBLE CONDUIT. LEAVE PULL STRING IN EACH CONDUIT. ALSO INSTALL A 120V DUPLEX OUTLET NEXT TO CAMERA OUTLET. EXACT LOCATION TO BE DETERMINED IN FIELD IN COORDINATION WITH EQUIPMENT INSTALLER.
8. INSTALL A QUAD OUTLET WITHIN EACH ROW OF MISSION CONTROL CABINETS. FEED THESE UP FROM NOTCHES IN COVER PLATES OF FLOOR DUCT IN CONCEALED MANNER. EXACT LOCATION TO BE DETERMINED IN FIELD. IN THE LAST ROW, INSTALL ONE COMMUNICATIONS OUTLET IN CABINET AND ROUTE A 3/4" C. THRU TRENCH BACK TO TTB LOCATION. ALL CONDUITS WITHIN FLOOR TRENCH TO BE FLEXIBLE, 3/4" MINIMUM SIZE.
9. 1" CONDUIT CONCEALED FROM DOOR FRAME HEADER TO WIREWAY FOR FUTURE ENTRY ACCESS WIRING.
10. 1-GANG BACKBOX 48" A.F.F. AND 1" CONDUIT CONCEALED FROM DOOR FRAME HEADER BACK TO WIREWAY FOR FUTURE SWIPE CARD ENTRY ACCESS - PROVIDE BLANK COVERPLATE PAINTED TO MATCH SURROUNDINGS.
11. LOCATE RECEPTACLE BEHIND WATER COOLER ENCLOSURE. REFER TO FINAL SHOP DRAWINGS FOR EXACT MOUNTING LOCATION AND WIRE COMPLETE.
12. FLUSH MOUNT RFB RESOURCE BOX. COORDINATE EXACT LOCATION OF FLOOR BOX WITH FURNITURE LOCATION PRIOR TO ROUGH-IN AND WIRE COMPLETE. PROVIDE CARPET FLANGES AS REQUIRED. TO INCLUDE 2 DUPLEX RECEPTACLES AND 3 DATA PORTS.
13. CONNECTION TO REFRIGERATOR. MOUNT AT 55" AFF.
14. REFER TO ARCHITECTURAL DETAIL FOR RECESSED MOUNTING CONDITION.
15. VERIFY EXACT LOCATION IN PIT WITH ALL ELEVATOR EQUIPMENT AND LOCAL CODES PRIOR TO ROUGH-IN AND ADJUST ACCORDINGLY.
16. TYPICAL CONNECTION TO SPRINKLER TAMPER AND FLOW SWITCHES. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS WITH FIRE PROTECTION SHOP DRAWINGS AND WIRE COMPLETE. FIELD VERIFY EXACT LOCATION AND QUANITY PRIOR TO ROUGH-IN AND FINAL CONNECTION. INTERFACE WITH EXISTING FIRE ALARM PANEL.
17. ALL TELECOMMUNICATION CONDUITS IN THIS AREA TO BE ROUTED UNDER SLAB DIRECTLY TO WIRING CLOSET 113.
18. POWER AND COMMUNICATIONS BACK BOX SECURED TO STRUCTURE ABOVE CEILING FOR FUTURE PROJECTION MONITOR. 1-1/4" CONDUIT FROM BACKBOX TO WIREWAY.
19. ROUTE ALL CONDUITS FOR THIS AREA UNDERGROUND.
20. POWER CONNECTION TO SINK DISPOSAL. PROVIDE SWITCH CONTROL ABOVE COUNTER.
21. CONDUIT ROUTED IN FLOOR STRUCTURE SPACE ABOVE.
22. POWER AND CONTROL WIRING CONNECTION TO ADA PUSHBUTTON FOR MAIN ENTRY DOOR FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN AND WIRE SYSTEM COMPLETE.
23. 6" X 6" ENCLOSED WIREWAY IN CEILING VOID.
24. 8" X 8" ENCLOSED WIREWAY FOR NON-PLENUM RATED VOICE/DATA/VIDEO WIRING. HINGED ACCESS WITH KNOCKOUTS - PROVIDE ANY OFFSETS/TRANSITIONS AS REQUIRED FOR FIELD COORDINATION.
25. 4 DATA PORT IN BRASS COVERPLATE POKETHRU
26. ROUTE INTERCONNECT CONDUITS IN ADDITION TO HOMERUN CLOSET CONDUITS.
27. REMOTE F/A ANNUNCIATOR PANEL INTERFACE WITH EXISTING FIRE ALARM CONTROL PANEL
28. CAP AND TERMINATE ABOVE CEILING.
29. (4) 4" CONDUITS.

These record documents have been prepared on the basis of information furnished by the contractor. CMTA, Inc. is not responsible for any errors or omissions which may have been incorporated into this document as a result of incomplete or erroneous information.

FIRST FLOOR PLAN – POWER/SYSTEMS

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

0' 1' 2' 4' 8' 16' 24' 32'

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1409 N. Forbes Rd.
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STATE OF KENTUCKY — 8-1-03 — LICENSED PROFESSIONAL ENGINEER

Crisp Building Replacement
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FIRST FLOOR PLAN POWER/SYSTEMS

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JOB NO.	0044/CCC00
DATE	FEBRUARY 01, 2001
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REVISIONS

1 RECORD DRAWINGS 5/13/02

SHEET

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