

NO.	DATE	DESCRIPTION	BY
A	01/27/2020	SD PRICING SET	
B	03/08/2020	DD SET	
D	04/02/2020	PERMIT SET	
E	07/02/2020	ISSUED FOR BIDS	

ISSUED FOR BIDS 07/02/2020
PRINCIPAL IN CHARGE: MAP
PROJECT ENGINEER: ALG
DRAWN BY: ALG

SHEET TITLE:
SYSTEMS PLAN -
FIRST LEVEL

SHEET NO. E501
PRJ. NO. 019477.01

E501

KEYED NOTES:

- RE-INSTALL EXISTING HONEYWELL FIRE ALARM CONTROL PANEL AT LOCATION SHOWN. RECONNECT ALL EXISTING DEVICES AND FULL NEW CABLING TO NEW DEVICES SHOWN. EXTEND EXISTING FIRE ALARM CABLING FROM OLD FACP LOCATION TO NEW FACP LOCATION.
- RE-INSTALL EXISTING BOGEN "PA" INTERCOM AMPLIFIER IN UPPER CABINET LOCATED ON WALL SHOWN. CONTRACTOR SHALL EXTEND EXISTING INTERCOM CABLING CURRENTLY IN PLACE TO THIS LOCATION DIRECTLY BELOW THIS LOCATION. RELOCATE EXISTING DESKTOP MOUNTED MICROPHONE AND INTERFACE TO BOGEN AMPLIFIER FOR FULLY FUNCTIONAL "PA" SYSTEM FOR LIBRARY.
- EXISTING INTRUSION ALARM CONTROL PANEL TO BE RELOCATED TO LOCATION SHOWN. EXTEND ALL EXISTING INTRUSION ALARM DEVICE CABLING TO THIS LOCATION AND RECONNECT DIALER.
- ROUTE DEDICATED 20A CIRCUIT TO EXISTING BREAKER IN EXISTING PANEL ON THIS FLOOR TO SERVE RELOCATED FIRE ALARM CONTROL PANEL. PAINT BREAKER RED AND PROVIDE LOCKOUT HASP AT BREAKER SERVICING FIRE ALARM CONTROL PANEL.
- PROVIDE TVM OUTLET AS REQUIRED FOR OWNER PROVIDED FLAT PANEL MONITOR. PROVIDE DATV CABLING EXTENDED TO EXISTING DEMARC. PROVIDE AV CABLING CONSISTING OF "HDM" DROP AND CABLE TO OWNER INPUT LOCATION. PRIOR TO CABLING AND JACK INSTALLATION, COORDINATE EXACT TYPE WITH OWNER.
- PROVIDE EXPANSION CARD AND ADDITIONAL POWER SUPPLY AS REQUIRED TO SERVE ALL NEW FIRE ALARM DEVICES SHOWN ON E501, E502, AND E503.

GENERAL NOTES:

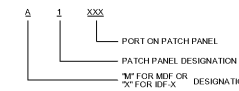
- CONNECT ALL NEW FIRE ALARM DEVICES SHOWN TO RELOCATED HONEYWELL FIRE ALARM CONTROL PANEL.
- EXISTING FIRE ALARM DEVICES IN NON-RENOVATED AREA SHALL REMAIN AS IS.
- ALL NEW DATA DROPS SHOWN AT FLOOR BOXES SHALL BE ROUTED TO THE "MDF" RACK IN BASEMENT BELOW. ALL NEW WALL MOUNT DROPS AND WIRELESS ACCESS POINT DROPS SHOWN ON THIS FLOOR SHALL BE ROUTED TO NEW DATA RACK "DF" SHOWN IN WORK ROOM 503 ON SHEET E502.
- CONTRACTOR IS TO NOTE THAT THERE IS AN EXISTING INTERCOM PAGING SYSTEM WITH 8" FLUSH RECEIVED SPEAKERS LOCATED IN THE EXISTING CEILING. THESE EXISTING SPEAKERS ARE TO REMAIN ALONG WITH ASSOCIATED CABLING WHERE NEW CEILING ARE INSTALLED. CONTRACTOR SHALL RELOCATE EXISTING AMPLIFIER/PAGING SYSTEM LOCATED IN WORK ROOM 111 AS NOTED BY KEYED NOTE #6. SEE SHEET E500 FOR ADDITIONAL INFORMATION.
- CONTRACTOR IS TO NOTE THAT THERE IS AN EXISTING CCTV SURVEILLANCE SYSTEM CURRENTLY INSTALLED WITH SIXTEEN (16) CAMERAS IN EXISTING CEILING ARE LOCATED IN BASEMENT "MDF" RACK. THESE CAMERAS ARE SERVED WITH COAX BASED CABLES WITH CATV AND LOW VOLTAGE. CONTRACTOR SHALL RELOCATE THESE CAMERAS TO NEW "MDF" RACK IN BASEMENT. IT IS THE INTENT THAT ALL EXISTING "MDF" RACKS BE FULLY FUNCTIONAL AND EXTERIOR CAMERAS TO REMAIN IN PLACE. REMAINDER OF EXISTING CCTV CABLES TO BE REMOVED FROM EXISTING CEILING TO NEW "MDF" RACKS AND/OR RELOCATED BASED ON NEW LAYOUT. CONTRACTOR SHALL INCLUDE IN THIS BID REINSTALLING THESE EXISTING CAMERAS AS WELL AS EXTENDING EXISTING COAX CABLES TO LOCATION AS REQUIRED. SEE SHEET E501 FOR ADDITIONAL INFORMATION.
- CONTRACTOR IS TO NOTE THAT THERE IS AN EXISTING INTRUSION ALARM SYSTEM CURRENTLY INSTALLED AND FULLY FUNCTIONAL. CONTRACTOR SHALL RELOCATE EXISTING INTRUSION ALARM CONTROL PANEL TO NEW LOCATION SHOWN. EXTEND ALL EXISTING INTRUSION ALARM CABLING TO NEW CONTROL PANEL LOCATION. ALL EXISTING INTRUSION ALARM MOTION SENSORS SHALL BE INSTALLED ON NEW CEILING TILE AT CURRENT LOCATIONS. EXISTING KEY PAD SHALL REMAIN AT EXISTING LOCATIONS. CONTRACTOR SHALL TEST SYSTEM TO CONFIRM THAT SYSTEM IS FULLY FUNCTIONAL AS WELL AS RECONNECT EXISTING INTRUSION ALARM DIALER TO EXISTING TELECO DIAL OUT LINE. SEE SHEET E101 FOR ADDITIONAL INFORMATION.
- FULLY TEST AND COMMISSION ALL LOW VOLTAGE SYSTEMS AFTER INSTALLATION.

CABLING LEGEND

- WALL MOUNTED (UNLESS NOTED OTHERWISE ON DRAWINGS) ENHANCED CATEGORY 6a DATA OUTLET. NUMBER SHOWN DESIGNATES QUANTITY OF DROPS/JACKS.
- WALL MOUNTED AT 42" AFF. ENHANCED CATEGORY 6a DATA OUTLET. NUMBER SHOWN DESIGNATES QUANTITY OF DROPS/JACKS.
- WALL MOUNTED AT 8" ABOVE ACCESSIBLE CEILING SPACE. ALL OUTLET LOCATIONS SHALL HAVE ONE (1) ENHANCED CATEGORY 6a CABLE DROP AND ONE (1) ENHANCED CATEGORY 6a JACK FOR CONNECTION TO WIRELESS ACCESS DEVICE INSTALLED BY OWNER. PROVIDE 10' SERVICE LOOP AT WAP.

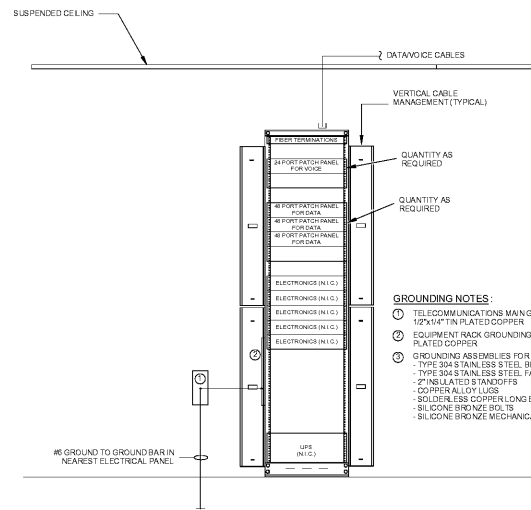
GENERAL NOTES: COMMUNICATIONS CABLING

- ADDITIONAL WALL SLEEVES AND WALL PENETRATIONS WILL BE REQUIRED FOR NETWORK CABLING. PROVIDE AS NECESSARY AND FIRESTOP ALL PENETRATIONS THROUGH FLOOR/WALLS.
- ALL CABLING SHALL BE BUNDLED AND SUPPORTED BY STRUCTURE ABOVE OR WALL AT EVERY 4.5 FEET. SUPPORT OF CABLING BY CEILING GRID OR GIRE SUPPORT WIRES IS MOST ACCEPTABLE. PROVIDE D RINGS, J-HOOKS OR OTHER SUPPORT MEANS AS PER EIA/TIA STANDARDS.
- ALL CABLING SHALL BE PLENUM RATED. OUTER JACKET ONE ENHANCED CATEGORY 6a DATA CABLING SHALL BE BLUE. OUTER JACKET ON ENHANCED CATEGORY 6a VOICE CABLING SHALL BE WHITE.
- ALL OUTLET JACKS SHALL BE PROVIDED WITH FOLLOWING LABELING NOMENCLATURE:



ALL PATCH PANELS AND 110 BLOCKS SHALL BE CORRESPONDINGLY LABELED.

- ALL DEVICE COLORS SHALL BE GREY.
- GROUND ALL RACKS WITH #6 COPPER LOCATED AT EACH BACKBOARD. LOCATE RACKS A MINIMUM OF 2.5" OFF OF WALL. PROVIDE 3" CABLE RUNWAY SPANNING FROM TOP OF RACK TO WALL AND TURNED UP TO ABOVE DROP/TIE CEILING IN ORDER TO ROUTE CABLE TO RACK.
- TY-WRAPS SHALL NOT BE CINCHED DOWN TO DEFORM CABLES. MAINTAIN MINIMUM BEND RADIUS ON FIBER, TIE CABLES, STATION WIRES, AND PATCH CORDS.
- INCLUDE IN BASE BID EIGHT (8) ADDITIONAL DATA DROPS TO BE LOCATED BY OWNER/ENGINEER. INCLUDE ALL LABOR AND TESTING FOR A COMPLETE INSTALLATION.



2 TELECOMMUNICATIONS RACK CABLING RISER
E501 SCALE: NONE

1 SYSTEMS PLAN - FIRST LEVEL
E501 SCALE: 3/16" = 1'-0"

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