



# PLANNING & DEVELOPMENT FACILITIES

## UNIVERSITY OF MICHIGAN HEALTH SYSTEM

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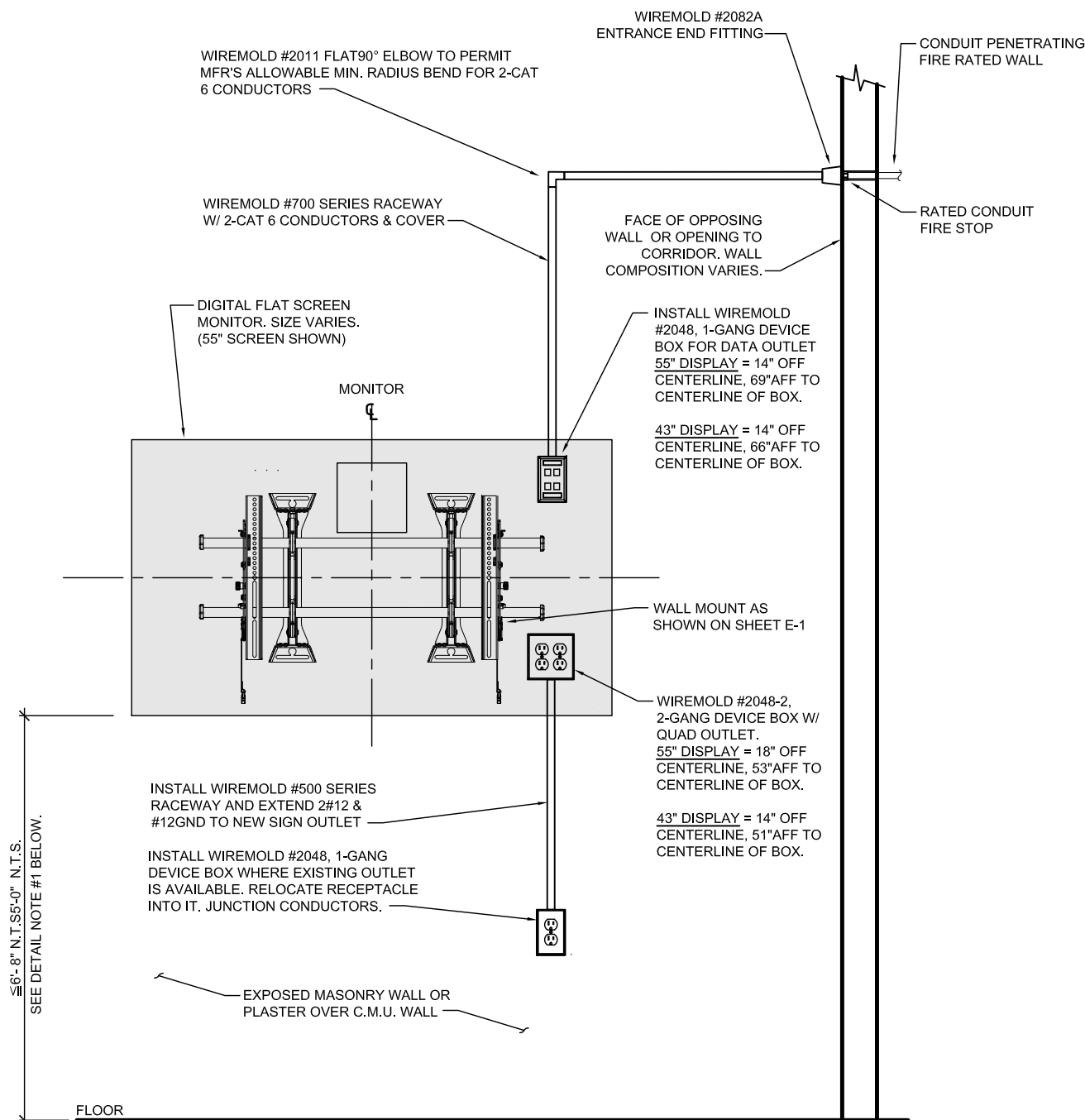
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Project  
HHC DIGITAL SIGNAGE

Sheet Title  
AUDIO VISUAL EQUIPMENT MOUNTING DETAILS AND GENERAL ELECTRICAL NOTES

Project Number Sheet Number

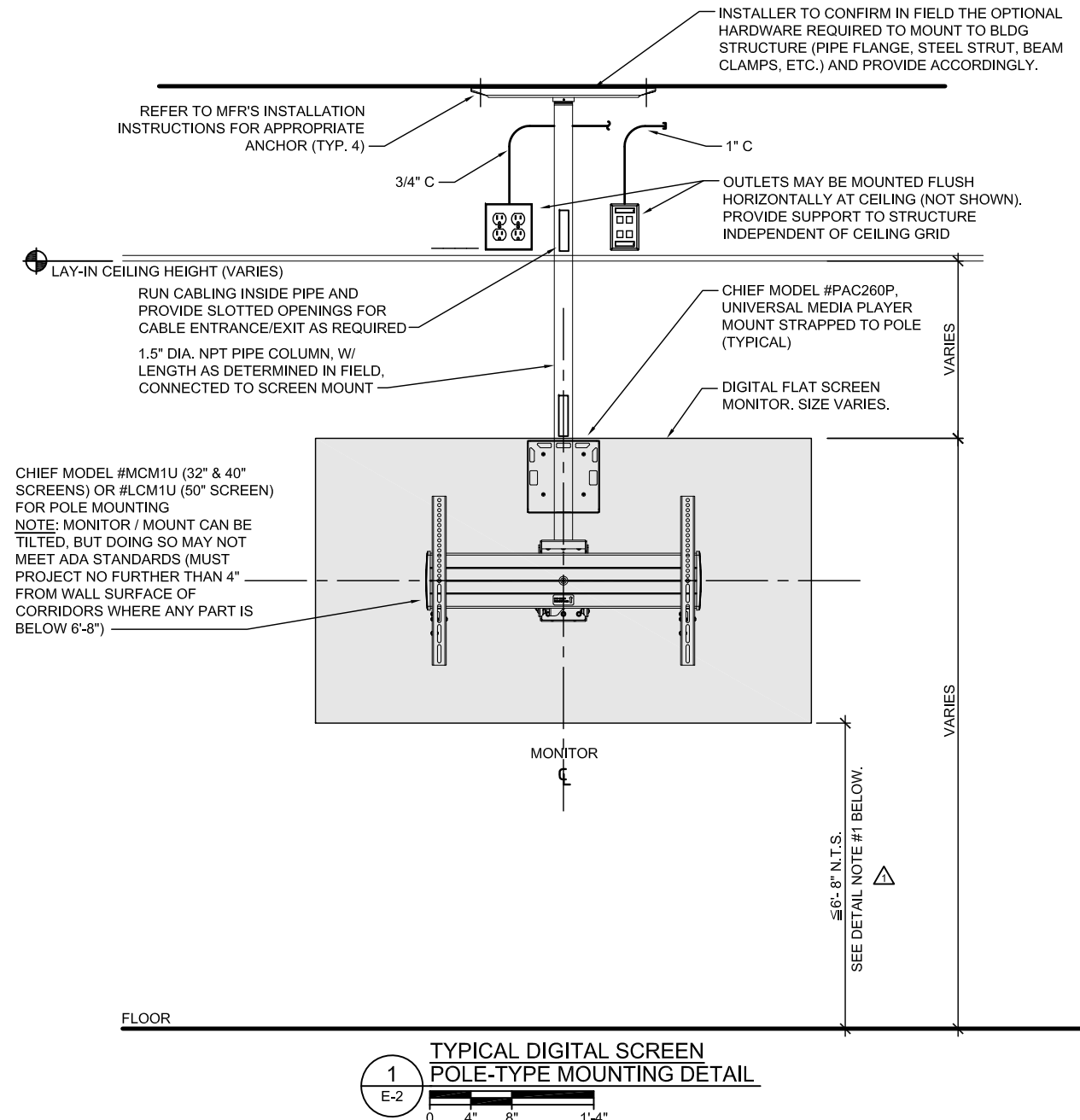


### 2 TYPICAL DIGITAL SCREEN MOUNT USING SURFACE MOUNTED RACEWAY

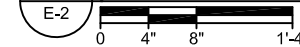


#### DETAIL NOTES

- WHERE DISPLAY PROTRUDES GREATER THAN 4" FROM WALL, AND MOUNTED IN CORRIDORS AND HALLWAYS, THE BOTTOM OF THE SCREEN SHALL BE A MINIMUM OF 6'-8" AFF TO COMPLY WITH ADA REQUIREMENTS. IF LOWER, MONITOR / MOUNT SHALL NOT BE TILTED.
- REFER TO SHEET E-1 DETAILS FOR SCREEN AND MOUNTING EQUIPMENT SPECIFICATIONS.
- WIREMOLD STANDARD PRODUCT COLORS SHALL BE CHOSEN TO BEST COMPLIMENT THE COLOR OF EXISTING WALL FINISHES. GENERALLY THIS COLOR WILL BE IVORY. GRAY WIREMOLD SHALL BE USED AS AN ALTERNATIVE WHERE CONDITIONS DICTATE. THE PROJECT ARCHITECT MAY BE CALLED UPON FOR CONSULTATION PRIOR TO ORDERING MATERIAL. CONTRACTOR TO PURCHASE WIREMOLD MFR'S TOUCH-UP PAINT PENS FOR USE AS NEEDED TO PROVIDE PROFESSIONAL APPEARANCE ONCE INSTALLATION IS COMPLETED.
- ETHERNET CABLES MAY BE SUPPORTED IN FREE AIR USING J-HOOKS FOR THE HORIZONTAL RUN ABOVE LAY-IN CEILINGS TO THE TELECOMM ROOM WITH THE ELECTRICAL INSPECTOR'S (AHJ) PERMISSION PRIOR TO INSTALLATION. SOME STRUCTURES (I.E. UMH) MAY REQUIRE A CONTINUOUS RUN OF CONDUIT TO THE TELECOMM ROOM.
- THE DETAIL ABOVE IS INTENDED AS A COMPONENT GUIDE SPECIFICATION TO BE USED ONLY WHERE SURFACE MOUNTING OF THE SCREEN OUTLETS CANNOT BE RECESSED INTO GYPBOARD/STUD WALLS. EXISTING POWER OUTLET LOCATIONS WILL VARY, AS WILL THE FIRE STOPPING REQUIREMENTS, CABLE TRAY AVAILABILITY/ CAPACITY, ETC. ALL INSTALLATIONS SHALL DEMONSTRATE A PROFESSIONAL QUALITY OF WORKMANSHIP. RACEWAYS SHALL BE PLUMB AND/OR PERPENDICULAR TO CEILINGS AND WALLS. DAMAGED WALL SURFACES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION.



### 1 TYPICAL DIGITAL SCREEN POLE-TYPE MOUNTING DETAIL



#### GENERAL ELECTRICAL NOTES

- ALL WORK, EQUIPMENT, WIRING DEVICES AND WIRING SHALL COMPLY WITH UMHS DESIGN GUIDELINES, STANDARDS AND SPECIFICATIONS.
- COORDINATE NEW WORK SCHEDULE AND EXTENT WITH PROJECT COORDINATOR PRIOR TO STARTING WORK.
- ALL WIRING SHALL BE 2#12 & 1#12GND-3/4"C UNLESS NOTED OTHERWISE. 120 VOLT CIRCUITS SHALL HAVE DEDICATED NEUTRALS. CIRCUITS MAY BE GROUPED WITH A MAXIMUM OF SIX (6) CURRENT CARRYING CONDUCTORS (NEUTRALS SHALL BE CONSIDERED CURRENT CARRYING). FOR NEW 120 VOLT, 20 AMP CIRCUITS LONGER THAN 150 FEET #10 AWG CONDUCTORS SHALL BE INSTALLED.
- EXISTING WIRING SHALL BE INSPECTED AND TESTED FOR DAMAGE. NEW WIRING ONLY SHALL BE USED TO EXTEND EXISTING CIRCUITS TO NEW LOCATIONS.
- WIRING OF EXISTING BRANCH CIRCUITS REUSED SHALL BE TESTED FOR PROPER GROUND, PHASE AND NEUTRAL CONNECTIONS. PROJECT COORDINATOR SHALL BE NOTIFIED OF ANY CIRCUITS THAT DO NOT TEST PROPERLY.
- FIELD VERIFY PANELBOARD SCHEDULE INFORMATION FOR CIRCUIT USED. EXISTING CIRCUIT NUMBERS AND ASSOCIATED LOADS MAY NOT BE ACCURATE.
- COORDINATE THE DISRUPTION OF POWER TO OCCUPANTS AT LEAST 24 HOURS IN ADVANCE OF THE INTERRUPTION.
- PROVIDE NEW CIRCUIT BREAKERS IN EXISTING PANELBOARD AS REQUIRED. UNLESS NOTED OTHERWISE, BREAKERS SHALL BE RATED 20 AMP, 1 POLE, 22KAIC. EXISTING REUSED CIRCUIT BREAKERS SHALL BE RATED 20 AMP WITH MINIMUM #12 AWG BRANCH CIRCUIT WIRING. VERIFY CIRCUIT BREAKER RATINGS AND TEST FOR PROPER OPERATION.
- PANELBOARD DIRECTORIES SHALL BE UPDATED AT COMPLETION OF PROJECT FOR THE NEW WORK PERFORMED.
- SEAL PENETRATIONS THROUGH WALLS AND FLOORS TO RESTORE ORIGINAL FIRE RATING. USE A UL LISTED FIRE SEALANT. PENETRATIONS SHALL BE INSPECTED BY AUTHORITY HAVING JURISDICTION AFTER INSTALLATION OF IS COMPLETED.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP DUST AND DEBRIS TO A MINIMUM. COORDINATE THIS EFFORT WITH THE PROPERTY'S RESIDENTS.
- TO THE EXTENT POSSIBLE, WALL AND CEILING SURFACES SHALL BE MINIMALLY OPENED OR DISTURBED. IDEALLY, NO SURFACE FINISHES SHALL REQUIRE TOUCHING UP ONCE POWER AND DATA OUTLET BOXES ARE INSTALLED.
- CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS DURING THIS WORK TO PROTECT BOTH OCCUPANTS AND CREW.
- REFER TO SHEET T-1 FOR CONTACT INFORMATION SHOULD FIELD QUESTIONS ARISE AND CONSULTATION BE REQUIRED.
- REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MOUNTS AND MONITOR CONNECTIONS