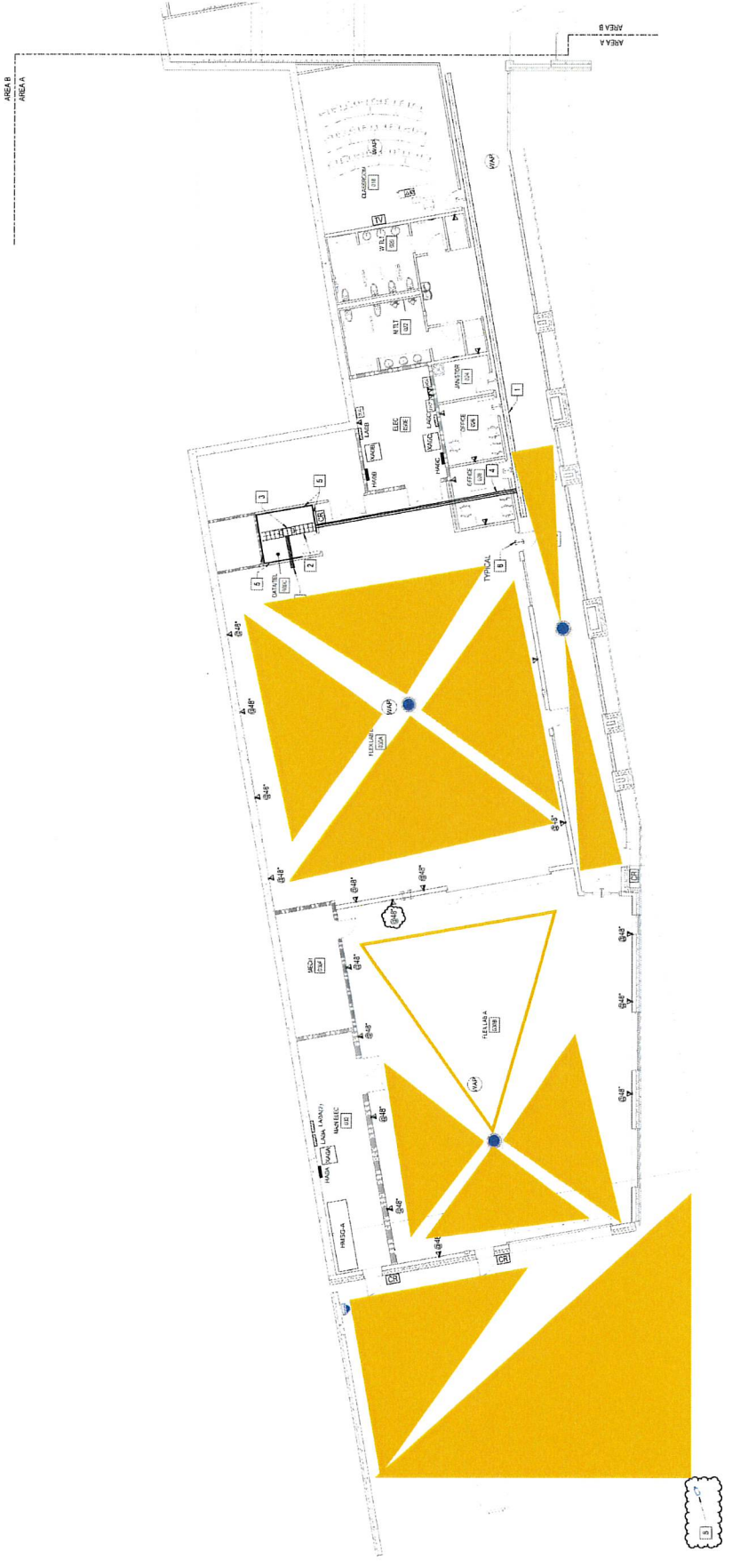


**GENERAL NOTES**

- A. OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. THE EXACT LOCATION OF EACH OUTLET FOR THE LOCATION OF DEVICES AND VOICE DATA OUTLETS.
- B. PROVIDE 12" MINIMUM CLEARANCE ABOVE ALL CONDUIT EXCEPT FIBER OPTIC CABLES, WHICH SHALL BE 18" MINIMUM.
- C. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLING CABLE TRAYS. PROVIDE 12" MINIMUM CLEARANCE ABOVE ALL CONDUIT EXCEPT FIBER OPTIC CABLES, WHICH SHALL BE 18" MINIMUM.
- D. PRESSURE ALL WALL AND FLOOR PENETRATIONS WITH ALL LISTED FIRE RESISTANT RATED PENETRATIONS.
- E. SEPARATE 300MM (12") SPACERS FOR INTERCONNECTIVITY RACKS BETWEEN FLOORBOARDS, WALLS, PROTECTORS, AND CEILING MOUNTED DATA OUTLETS.

**KEY NOTES**

1. PROVIDE TELECOM 12" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
2. PROVIDE 12" X 4" TELECOM LADDER CABLE TRAY ABOVE CEILING AS SHOWN.
3. PROVIDE 12" FLOOR MOUNTED TELECOM RACK.
4. PROVIDE 4" CONDUIT (SLEEVES) ABOVE CEILING TO CABLE TRAY ABOVE CEILING.
5. PROVIDE FIRE RESISTANT DOUBLE COATED 1/2" X 1/2" WOOD BACKBOARD AS SHOWN.
6. PROVIDE 12" WOOD BACKBOARD FOR ALL CONDUIT ABOVE ACCESSIBLE CEILING.
7. PROVIDE 4" CONDUIT (SLEEVES) ABOVE CEILING TO CABLE TRAY ABOVE CEILING.
8. PROVIDE 12" WOOD BACKBOARD FOR ALL CONDUIT ABOVE ACCESSIBLE CEILING.
9. PROVIDE 12" WOOD BACKBOARD FOR ALL CONDUIT ABOVE ACCESSIBLE CEILING.
10. PROVIDE 12" WOOD BACKBOARD FOR ALL CONDUIT ABOVE ACCESSIBLE CEILING.



1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA A  
 1" = 10'-0"

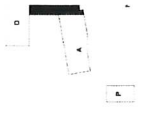


**CLARK KEX:**  
 2115 Orange Street, Suite 100  
 Ashburn, VA 20103  
 703.441.1111



**CONSTRUCTION DOC**

NO.	REVISION
1	11/02/20 ADDENDUM



**SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA B**

**ET102**

**GENERAL NOTES**

- OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. THE EXACT LOCATION OF THE OUTLET SHALL BE DETERMINED BY THE OWNER AND/OR CONTRACTOR.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING.
- PROVIDE 1/2" CONDUIT SLEEVES WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- ROUTE 1/2" CONDUIT FROM JBOX TO TELEPHONE JBOX FOR SPEAKER LOCATIONS.
- ROUTE 1/2" CONDUIT FROM JBOX IN CEILING TO TELEPHONE JBOX FOR POWER DATA AND COMPUTER HEAVY CONNECTIONS TO TELEVISION LOCATIONS SHOWN ON PLANS.
- ROUTE 1/2" CONDUIT FROM JBOX TO TELEPHONE JBOX FOR SPEAKER LOCATIONS IN TECH ROOM WITH ARCHITECT OWNER. COORDINATE EXACT FSI BOX INSERTS WITH OWNER.

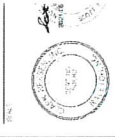
**KEY NOTES**

- PROVIDE TELECOM 1/2" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- PROVIDE WALL MOUNTED TELECOM RACK PER SPECIFICATIONS.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING.
- PROVIDE 1/2" CONDUIT SLEEVES WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- ROUTE 1/2" CONDUIT FROM JBOX TO TELEPHONE JBOX FOR SPEAKER LOCATIONS.
- ROUTE 1/2" CONDUIT FROM JBOX IN CEILING TO TELEPHONE JBOX FOR POWER DATA AND COMPUTER HEAVY CONNECTIONS TO TELEVISION LOCATIONS SHOWN ON PLANS.
- ROUTE 1/2" CONDUIT FROM JBOX TO TELEPHONE JBOX FOR SPEAKER LOCATIONS IN TECH ROOM WITH ARCHITECT OWNER. COORDINATE EXACT FSI BOX INSERTS WITH OWNER.



**GRAPHIC SCALE(S)**  
 1" = 10'-0"

**1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA B**  
 11/02/20



- GENERAL NOTES**
- A. ALL TELEPHONE, DATA, AND VIDEO CABLES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70-NEC, 2017 EDITION.
  - B. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  - C. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  - D. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  - E. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.

- KEY NOTES**
1. PROVIDE TELEPHONE, DATA, AND VIDEO CABLE TRAYS ABOVE CEILING AS SHOWN.
  2. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  3. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  4. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  5. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  6. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.
  7. PROVIDE 1/2" CONDUIT ABOVE CEILING TO ALL TELEPHONE, DATA, AND VIDEO CABLES.



1 SPECIAL SYSTEMS PLAN - LEVEL 1 - AREA A



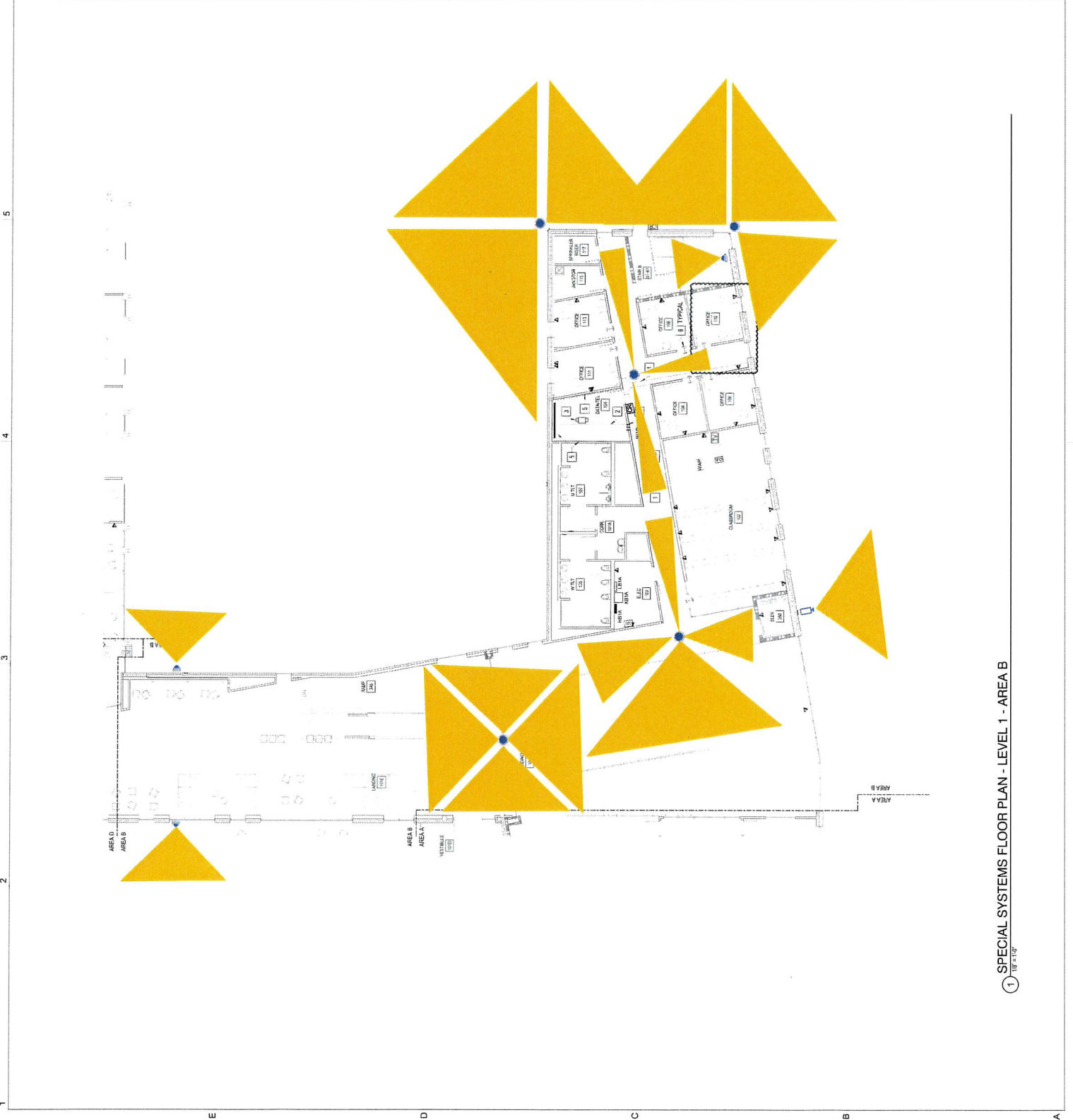


**GENERAL NOTES**

- A. OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR FINAL LOCATIONS OF DEVICES AND VENTILATION OUTLETS.
- B. ALL ELECTRICAL AND MECHANICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL MECHANICAL CODE (NMC).
- C. COORDINATE WITH OTHER TRADES PLANS PRIOR TO INSTALLING CABLE TRAYS AND CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
- D. PRESERVE ALL WALL AND FLOOR PENETRATIONS WITH ALL LISTED FIRE RATED PENETRATIONS.
- E. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR INTERCONNECTIVITY REQUIREMENTS BETWEEN FLOORBOARDS, TV RACKS, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.

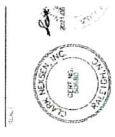
**KEY NOTES**

- 1. PROVIDE TELECOM 1" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- 2. PROVIDE 1/2" X 1/2" TELECOM LADDER TRAY ABOVE CEILING AS SHOWN.
- 3. PROVIDE 1/2" FLOOR MOUNTED TELECOM RACK.
- 4. PROVIDE 1/2" FLOOR MOUNTED TELECOM RACK.
- 5. PROVIDE FIRE RETARDANT DOUBLE COATED 3/4" PLYWOOD BACKWARD AS SHOWN.
- 6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.

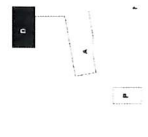


**GRAPHIC SCALE(S)**  
1" = 10'

**1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA B**



NO.	DATE	DESCRIPTION
1	11/05/2023	ADD/REV
7	09/12/23	ENR/CHSR



- GENERAL NOTES**
- PROVIDE ALL TELEPHONE, DATA, AND VIDEO CABLES WITH PROTECTIVE SLEEVES AND PROTECT FOR ALL LOCATIONS OF DEVICES AND VIDEO DATA OUTLETS.
  - CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
  - PROVIDE 4" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
  - PROVIDE 1/2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
  - PROVIDE 1/2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.

- KEY NOTES**
- PROVIDE TELECOM 1/2" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
  - PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
  - PROVIDE 1/2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.



2 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA D

1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA C

GRAPHIC SCALE(S)





CONSTRUCTION DOC

NO.	DATE	DESCRIPTION
1	11/08/20	ADDITIONAL
7	09/18/21	EMR CORR

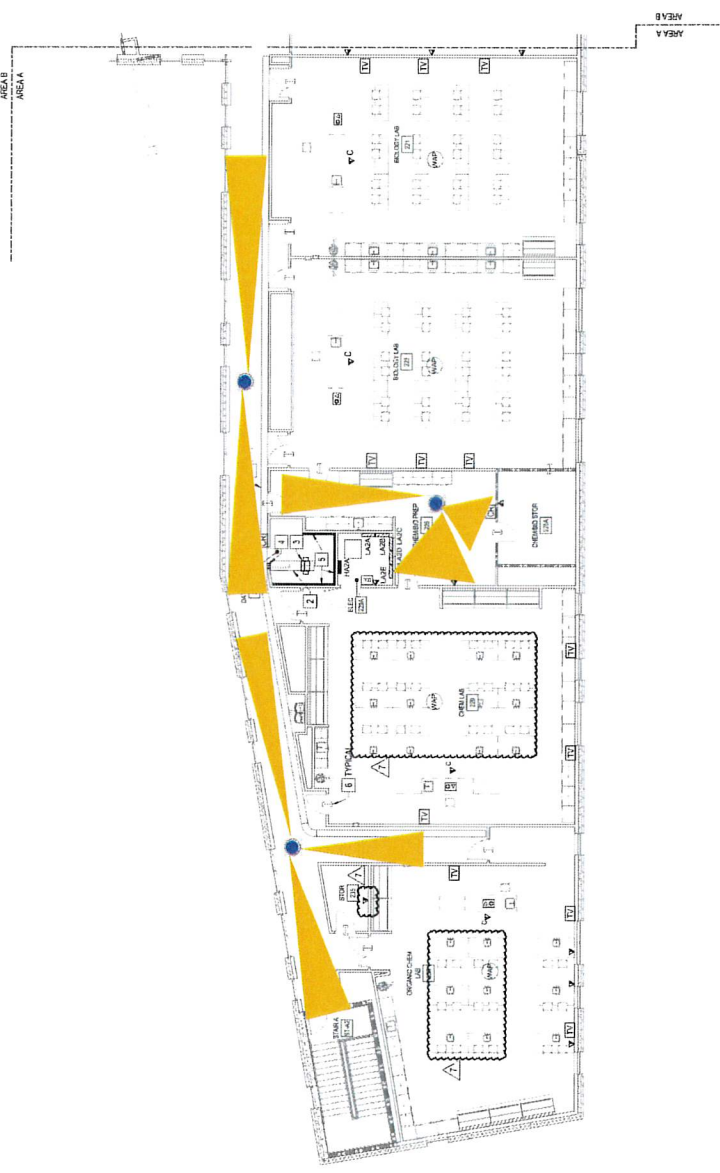


**GENERAL NOTES**

- ALL NEW AND EXISTING TELECOM RACKS ARE SHOWN FOR REFERENCE. CONSIDER THE RACKS TO BE INSTALLED IN THE LOCATION SHOWN. PROVIDE AND VERIFY DATA OUTLETS.
- PROVIDE 1/2" TELECOM LADDER TRAY ABOVE CEILING AS SHOWN.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- SHOW FIRE RETARDANT DOUBLE COATED 1/2" PLYWOOD BACKBOARD AS SHOWN.
- PROVIDE 1/2" CONDUIT SLEEVE WITH RING ON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.

**KEY NOTES**

- PROVIDE TELECOM 1/2" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- PROVIDE 1/2" TELECOM LADDER TRAY ABOVE CEILING AS SHOWN.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CEILING. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- SHOW FIRE RETARDANT DOUBLE COATED 1/2" PLYWOOD BACKBOARD AS SHOWN.
- PROVIDE 1/2" CONDUIT SLEEVE WITH RING ON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.



① SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA A  
 1/8" = 1'-0"

**GENERAL NOTES**

- A. OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE. THE EXACT LOCATION AND ARCHITECT FOR FINAL LOCATIONS OF DEVICES AND VERTICAL OUTLETS.
- B. CABLES CONTAINED IN CABLE TRAYS NEED NOT BE IN CONDUIT EXCEPT FOR VERTICAL TRAYS.
- C. COORDINATE WITH OTHER TRADE PLANS PRIOR TO INSTALLING CABLE TRAY TO AVOID CONFLICTS.
- D. SEALANT SHALL BE USED TO SEAL ALL PENETRATIONS THROUGH CEILING AND FLOOR.
- E. ALL WIRING FOR EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AND STATE CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.

**KEY NOTES**

1. PROVIDE TELECOM 17' WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
2. PROVIDE 1/2" CONDUIT ABOVE CEILING AS SHOWN.
3. PROVIDE 1/2" CONDUIT ABOVE CEILING AS SHOWN.
4. PROVIDE 1/2" CONDUIT SLEEVES ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS BENDING BENDS AS SHOWN.
5. PROVIDE 1/2" CONDUIT ABOVE CEILING AS SHOWN.
6. ROUTE OF CONDUITS FROM DATA ROOM TO UNDERFLOOR OF PROOF DECKING SHALL BE THROUGH UNDERFLOOR OF PROOF DECKING AS SHOWN.
7. PROVIDE 1/2" CONDUIT SLEEVES INTO DATA ROOMS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL CALLINGS SHOWN ON PLANS.



① SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA B  
1/8" = 1'-0"

GRAPHIC SCALE(S)



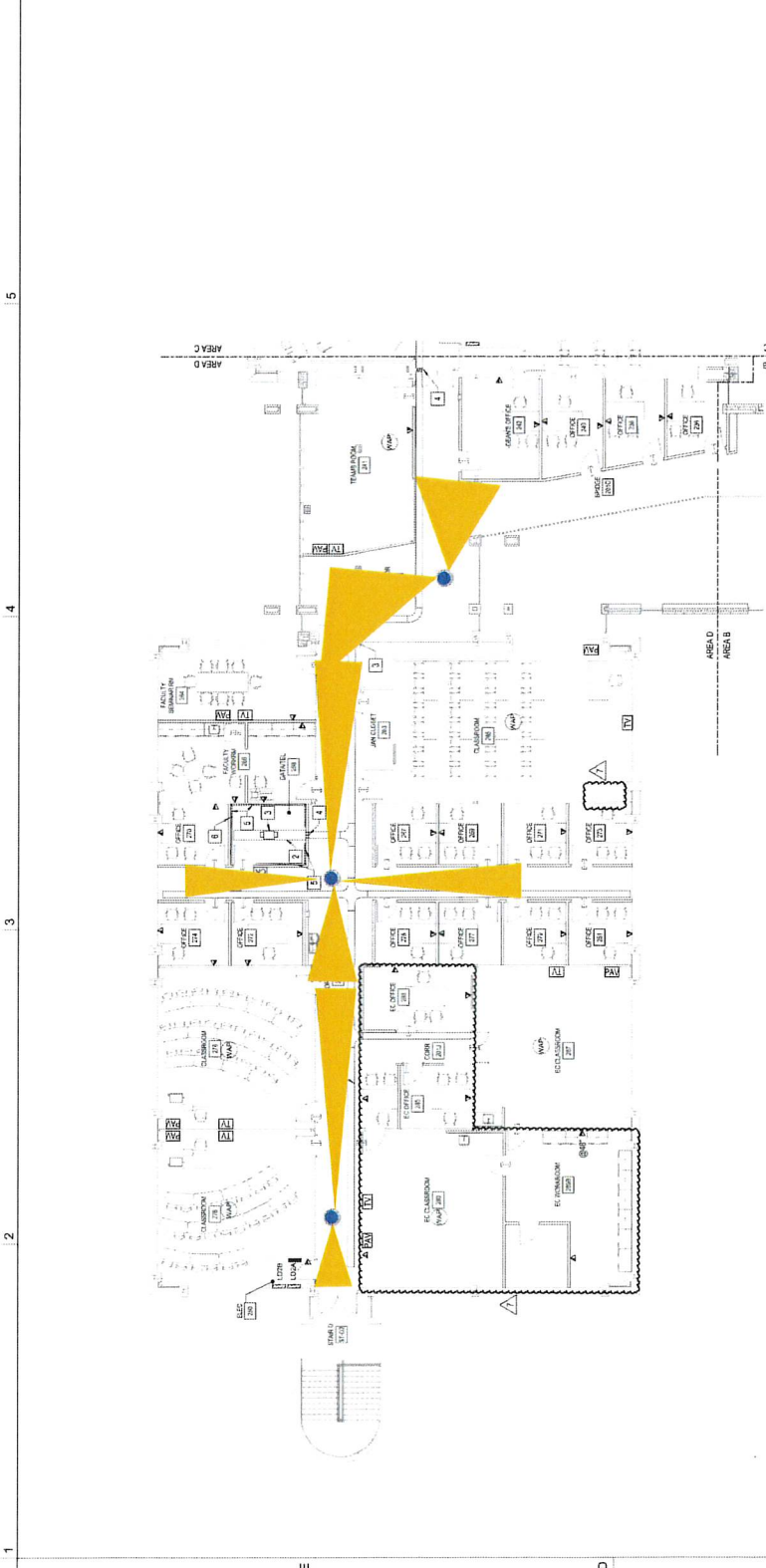
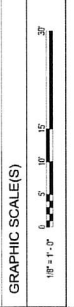


**GENERAL NOTES**

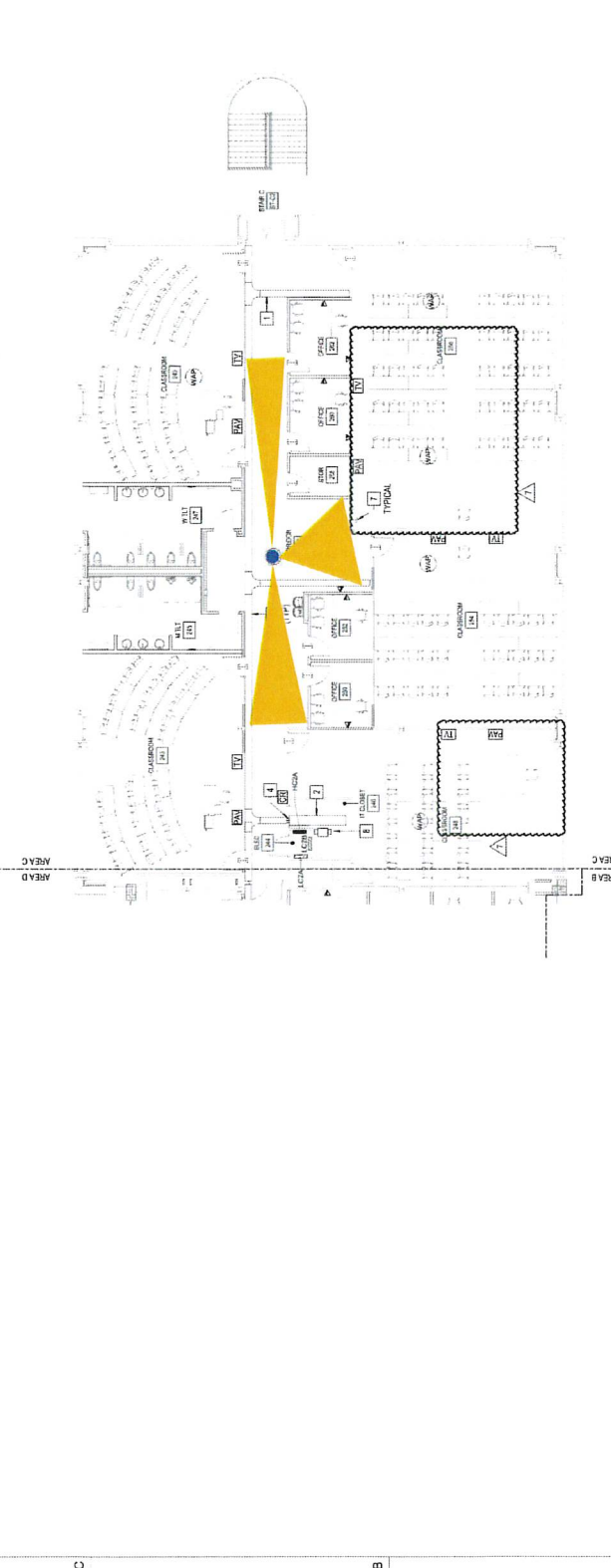
- OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. SEE THE GENERAL NOTES FOR THE GENERAL LOCATIONS OF DEVICES AND VIDEO DATA OUTLETS.
- SEE THE GENERAL NOTES FOR THE GENERAL LOCATIONS OF FIRE FIGHTING CABLES, WHICH SHALL BE IN CONDUIT EXCEPT AS NOTED.
- COORDINATE WITH OTHER TRADE PLANS PRIOR TO INSTALLING CABLE TRAY.
- PREPARE ALL WALL AND FLOOR PENETRATIONS WITH UL LISTED FIRE STOPPING SYSTEM TO PROVIDE AN IN-BUILDING RADIO SIGNAL APPLICATION SYSTEM (IBS) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE IBS. SEE THE GENERAL NOTES FOR THE GENERAL LOCATIONS OF THE CURRENT IBS, TV, PC, HD, AND ALL LOCAL ACCESS AND CONNECTIONS. SEE THE GENERAL NOTES FOR THE GENERAL LOCATIONS OF FLOORBOARDS, TV BONES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.
- SEE THE GENERAL NOTES FOR THE GENERAL LOCATIONS OF FLOORBOARDS, TV BONES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.

**KEY NOTES**

- PROVIDE TELECOM 1" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- PROVIDE 1/4" TELECOM LADDER TRAY ABOVE CEILING AS SHOWN.
- PROVIDE 1/4" FLOOR MOUNTED TELECOM PACK.
- PROVIDE 1/4" FLOOR MOUNTED TELECOM PACK TO CABLE TRAY ABOVE CEILING. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- PROVIDE FIRE RETARDANT DOUBLE GATED EMT PL WOOD BACKBOARD ABOVE 1/4" CONDUITS FROM DATA ROOM TO UNDERSIDE OF ROOF DECKING FOR BEC. SEE GENERAL NOTE E ABOVE FOR MORE INFORMATION.
- PROVIDE 1/2" CONDUIT SLEEVES WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- EXISTING TELECOM PACK.



**2 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA D**  
 1" = 10'



**1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA C**  
 1" = 10'