

### VIEW KEY

	NAME LEVEL NAME 10' - 0" - HEIGHT ABOVE PROJECT 0' - 0"		INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL
	INDICATES DIRECTION OF TRUE NORTH PLAN OR DETAIL NUMBER PLAN OR DETAIL NAME 1/8" = 1'-0" PLAN OR DETAIL SCALE		INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY SECTION CUT SHEET DETAIL IS LOCATED ON
<b>LINE TYPE AND TAG KEY:</b>			
	NEW WORK BY THIS CONTRACTOR (WIDE LINE)		EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
	NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)		EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
	EXISTING		EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
	EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)		EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)
HALFTONING DOES NOT MODIFY SCOPE.			
	TAGS WITH DASH "E" INDICATES THE REFERENCED OBJECT IS EXISTING		UNDERLINED TEXT INDICATES ADDITIONAL INFORMATION CAN BE FOUND ELSEWHERE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST
	INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL		

### FIRE / SMOKE BARRIER DESIGNATIONS

THE LINE TYPES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT. REFER TO ARCHITECTURAL PLANS FOR FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES.

1 HOUR FIRE BARRIER	----
2 HOUR FIRE BARRIER	-----
1 HOUR SHAFT ENCLOSURE	-----
2 HOUR SHAFT ENCLOSURE	-----
1 HOUR FIRE/SMOKE BARRIER	-----
2 HOUR FIRE/SMOKE BARRIER	-----
1 HOUR FIRE/SMOKE SHAFT ENCLOSURE	-----

### TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
	SC-IO-C	CEILING INFORMATION OUTLET, DATA COMMUNICATION ONLY, WIRELESS ACCESS POINT	1.
	SC-IO-W	WALL INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	1.
	SC-IO-F	FLOOR INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	1. 5.
	N/A	ELECTRICAL FLOOR BOX WITH TECHNOLOGY	1. 5.
	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	
	AC-CR2	CARD ACCESS READER WITH KEYPAD, LETTER INDICATES AS FOLLOWS: M = MOUNT C - CEILING D - DESK F - FLUSH H - HIDDEN M - MULLION P - PEDESTAL R - RACK S - SURFACE W - WALL	
	ID-MD	MOTION DETECTOR; LETTER INDICATES AS FOLLOWS: M = MOUNT C - CEILING D - DESK F - FLUSH H - HIDDEN M - MULLION P - PEDESTAL R - RACK S - SURFACE W - WALL	
	NA	CARD ACCESS READER	
	N/A	VIDEO SURVEILLANCE CAMERA WITH LENS, WALL MOUNT OR CEILING MOUNT	?
	IC-VS-W	VIDEO INTERCOM STATION	
	IC-VSS	VIDEO INTERCOM STAFF STATION	
	PA-S-C	FACILITY PAGING SPEAKER (CEILING)	
	PA-S-W	FACILITY PAGING SPEAKER (WALL)	
	WIDTH X HEIGHT	CABLE TRAY, CHANNEL TRAY, BASKET TRAY	
	WIDTH X HEIGHT	LADDER RACK	
	DIAMETER @ C	CONDUIT	
		CONDUIT DOWN	
		CONDUIT UP OR UP/DOWN	
		CONDUIT SLEEVE	
		CONTINUATION	

- #### GENERAL NOTES:
- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
  - ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
  - ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.
  - REFER TO RISERS ON SHEET(S) T401.
- #### TECHNOLOGY SYMBOL NOTES:
- "C/F" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T501 FOR ADDITIONAL INFORMATION.
  - SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE ON T501 FOR ADDITIONAL INFORMATION.
  - REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T501 FOR ADDITIONAL INFORMATION.
  - "###-##" SUBSCRIPT AT CAMERAS INDICATES FLOOR NUMBER-CAMERA NUMBER. REFER TO INDIVIDUAL CAMERA REQUIREMENT SCHEDULE FOR ADDITIONAL INFORMATION.
  - INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
  - REFER TO LINE TYPE KEY FOR NEW, EXISTING TO REMAIN, OR DEMO LINE TYPE.

### SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C. [T.C.]	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM. REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7. 8.
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2. 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

- #### SUGGESTED MATRIX OF RESPONSIBILITY NOTES
- LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
  - BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
  - INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
  - ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
  - UNLESS TRADE RULES DICTATE OTHERWISE.
  - FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
  - INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.

### TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
TR-1	NA	1/T-103	217

- ### TECHNOLOGY GENERAL NOTES:
- ###-### INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
  - REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- TECHNOLOGY MOUNTING SUBSCRIPT KEY:  
 A MOUNT AT +4" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH  
 H MOUNT ORIENTED HORIZONTALLY  
 L MOUNT IN CASEWORK  
 M MOUNT IN MODULAR FURNITURE  
 S MOUNT IN SURFACE RACEWAY
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., AH.

- ### TECHNOLOGY INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
  - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
  - ALL DEVICES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
  - VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
  - TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
  - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPPERS. REFER TO DIVISION 7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
  - REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
  - FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.

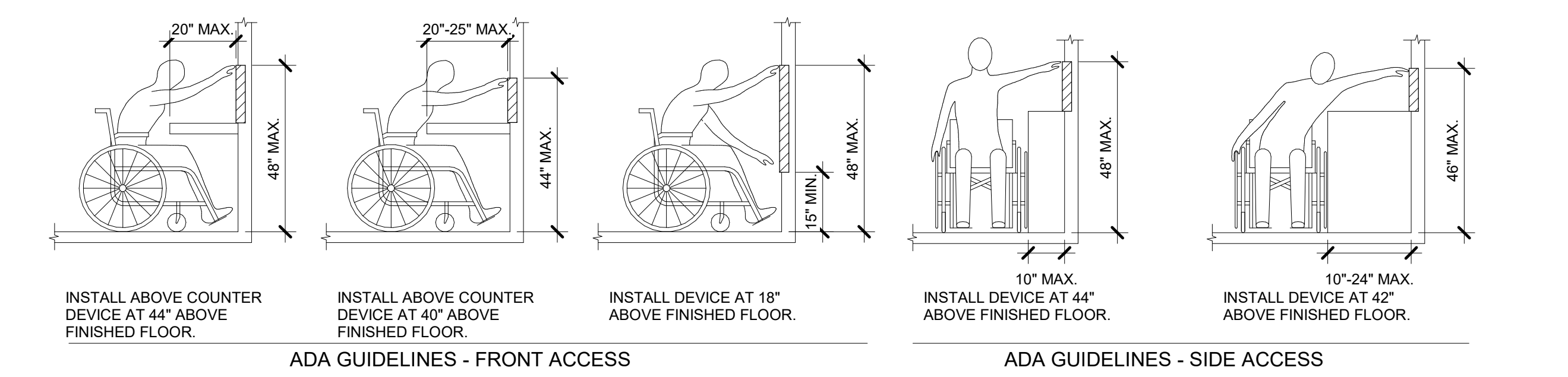
- ### TECHNOLOGY DEMOLITION NOTES
- THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
  - ITEMS (i.e. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN. (i.e., FOR MAINTENANCE PURPOSES).
  - EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED PRIOR TO REMOVAL, PROTECTED FROM DAMAGE, AND RE-INSTALLED IN ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
  - OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
  - ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED, WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC. SHALL ALSO BE REMOVED.
  - COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
  - EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
  - EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT. DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
  - DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.
  - REFER TO SPECIFICATIONS SECTION 27 05 01 AND 27 05 05 FOR ADDITIONAL INFORMATION.

### TECHNOLOGY SHEET INDEX

NO.	DESCRIPTION
T-000	TECHNOLOGY COVERSHEET
T-101	BASEMENT PLAN - TECHNOLOGY
T-102	FIRST FLOOR PLAN - TECHNOLOGY
T-103	SECOND FLOOR PLAN - TECHNOLOGY
T-301	TECHNOLOGY DETAILS
T-401	TECHNOLOGY DIAGRAMS
T-501	TECHNOLOGY SCHEDULES
TD101	BASEMENT PLAN - TECHNOLOGY DEMOLITION
TD102	FIRST FLOOR PLAN - TECHNOLOGY DEMOLITION
TD103	SECOND FLOOR PLAN - TECHNOLOGY DEMOLITION
GRAND TOTAL: 10	

### TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
C	CONDUIT
J-BOX	JUNCTION BOX
RL	RELOCATE OUTLET AND CABLES
SIM	SIMILAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
EF-#	ENTRANCE FACILITY
MC-#	MAIN CROSS-CONNECT
TR-#	TELECOMMUNICATIONS ROOM



### ADA STANDARDS FOR ACCESSIBLE DESIGN

Revisions: _____ Date: _____	<b>CONSULTANT</b> Engineering: IMEG Corp. 15 Sunnen Drive, Suite 104 St. Louis, MO 63143 (314) 645-1132	<b>ARCHITECT/ENGINEER OF RECORD</b> A/E: Calvin L. Hinz Architects P.C. 3705 N. 200th Street Elkhorn, NE 68022 (402) 291-6941	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>TECHNOLOGY COVERSHEET</b>	Phase <b>BID DOCUMENTS</b>	Project Title Renovate and Repair Structural, Building 4	Project Number <b>589A7-21-108</b>
	Approved: _____	<b>FULLY SPRINKLERED</b>	Location <b>Wichita, KS</b>	Issue Date <b>9/23/2021</b>	Checked _____ Checker	Drawn _____ Author	Drawing Number <b>T-000</b>	

**SHEET NOTES:**  
 1. EXISTING CONDITIONS SHOWN ARE BASED ON INFORMATION AVAILABLE FROM EXISTING DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK.

**KEYNOTES:** ( # )  
 1. EXISTING INFORMATION OUTLET TO REMAIN.  
 2. EXISTING WIRELESS ACCESS POINT OUTLET TO REMAIN.  
 3. EXISTING OUTLET AND CABLING TO BE RELOCATED. REFER TO NEW WORK PLAN.  
 4. EXISTING VOICE BUILDING SERVICE AND BACKBONE SPLICE CASE, TERMINATION BLOCKS TO REMAIN.  
 5. REMOVE SPEAKER, DELIVER TO OWNER FOR INVENTORY PROTECT EXISTING CABLING FOR RE-USE.  
 6. PROTECT EXISTING BUILDING AND CAMPUS FIBER OPTIC SERVICE CABLES AND TERMINATIONS. TO REMAIN DURING AND AFTER CONSTRUCTION.

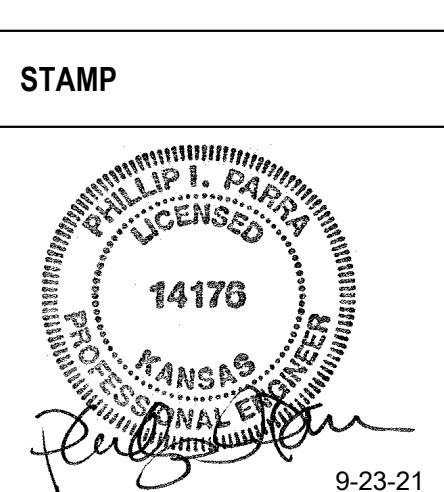


**1 BASEMENT PLAN - TECHNOLOGY DEMOLITION**  
 1/4" = 1'-0"

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Office of Construction and Facilities Management  
 VA U.S. Department of Veterans Affairs

Drawing Title  
**BASEMENT PLAN - TECHNOLOGY DEMOLITION**  
 Approved:

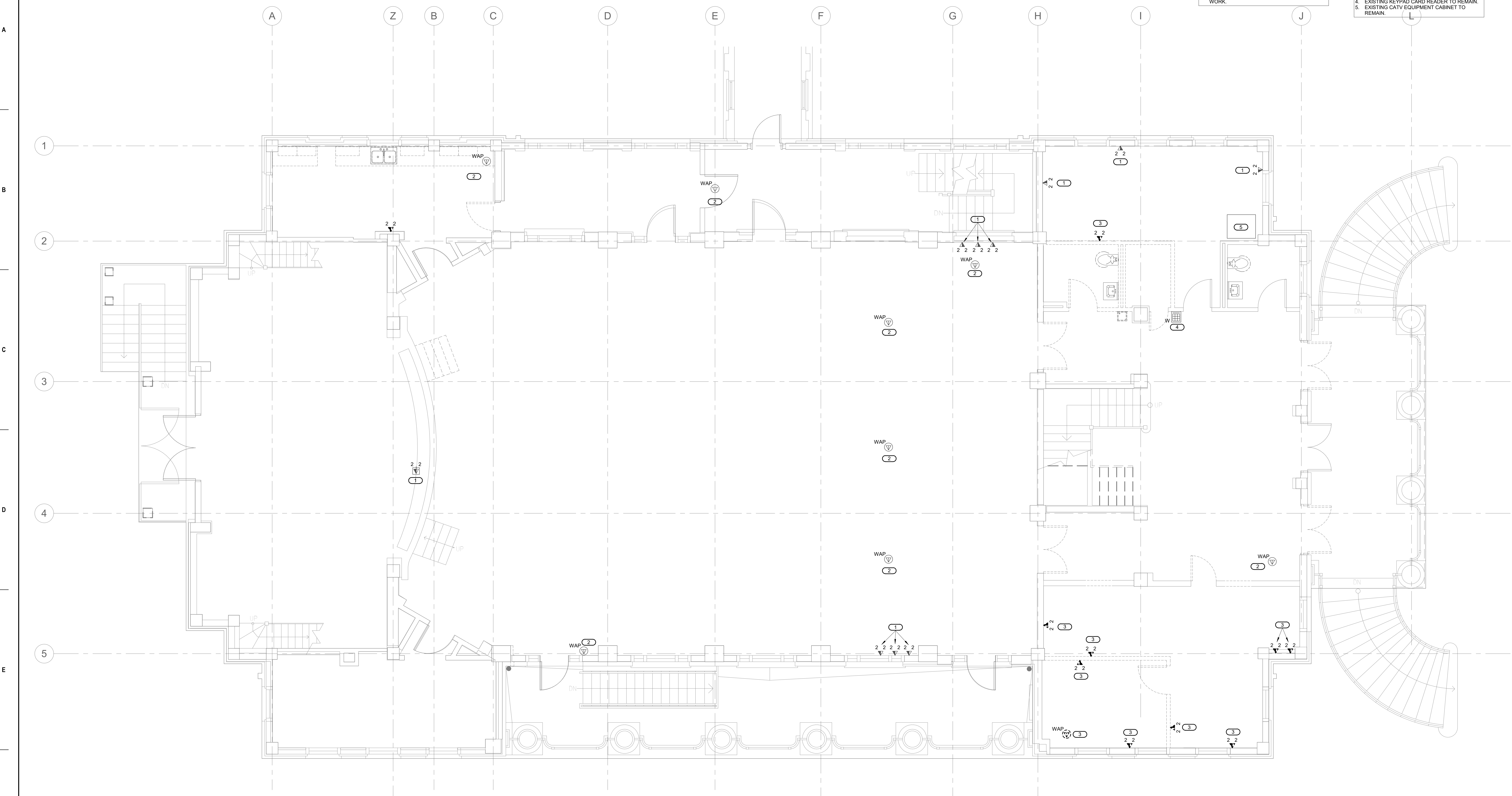
Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
 Renovate and Repair Structural, Building 4  
 Location  
 Wichita, KS  
 Issue Date  
 9/23/2021

Project Number  
 589A7-21-108  
 Building Number  
 4  
 Drawing Number  
 TD101

**SHEET NOTES:**  
 1. EXISTING CONDITIONS SHOWN ARE BASED ON INFORMATION AVAILABLE FROM EXISTING DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK.

**KEYNOTES:** (#)  
 1. EXISTING INFORMATION OUTLET TO REMAIN.  
 2. EXISTING WIRELESS ACCESS POINT OUTLET TO REMAIN.  
 3. EXISTING OUTLET AND CABLING TO BE RELOCATED. REFER TO NEW WORK PLAN.  
 4. EXISTING KEYPAD CARD READER TO REMAIN.  
 5. EXISTING CATV EQUIPMENT CABINET TO REMAIN.

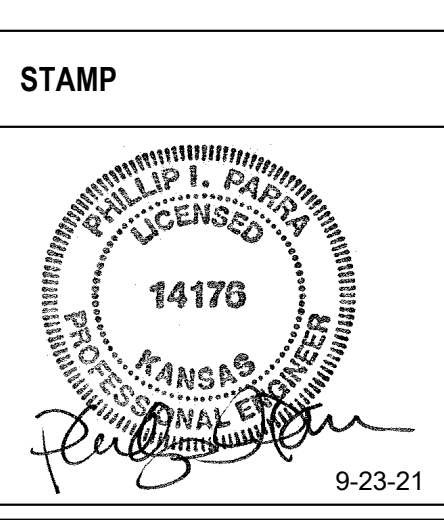


**1 FIRST FLOOR PLAN - TECHNOLOGY DEMOLITION**  
 1/4" = 1'-0"

Revisions:	Date:

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Office of  
 Construction  
 and Facilities  
 Management  
 VA U.S. Department  
 of Veterans  
 Affairs

Drawing Title  
**FIRST FLOOR PLAN -  
 TECHNOLOGY DEMOLITION**  
 Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

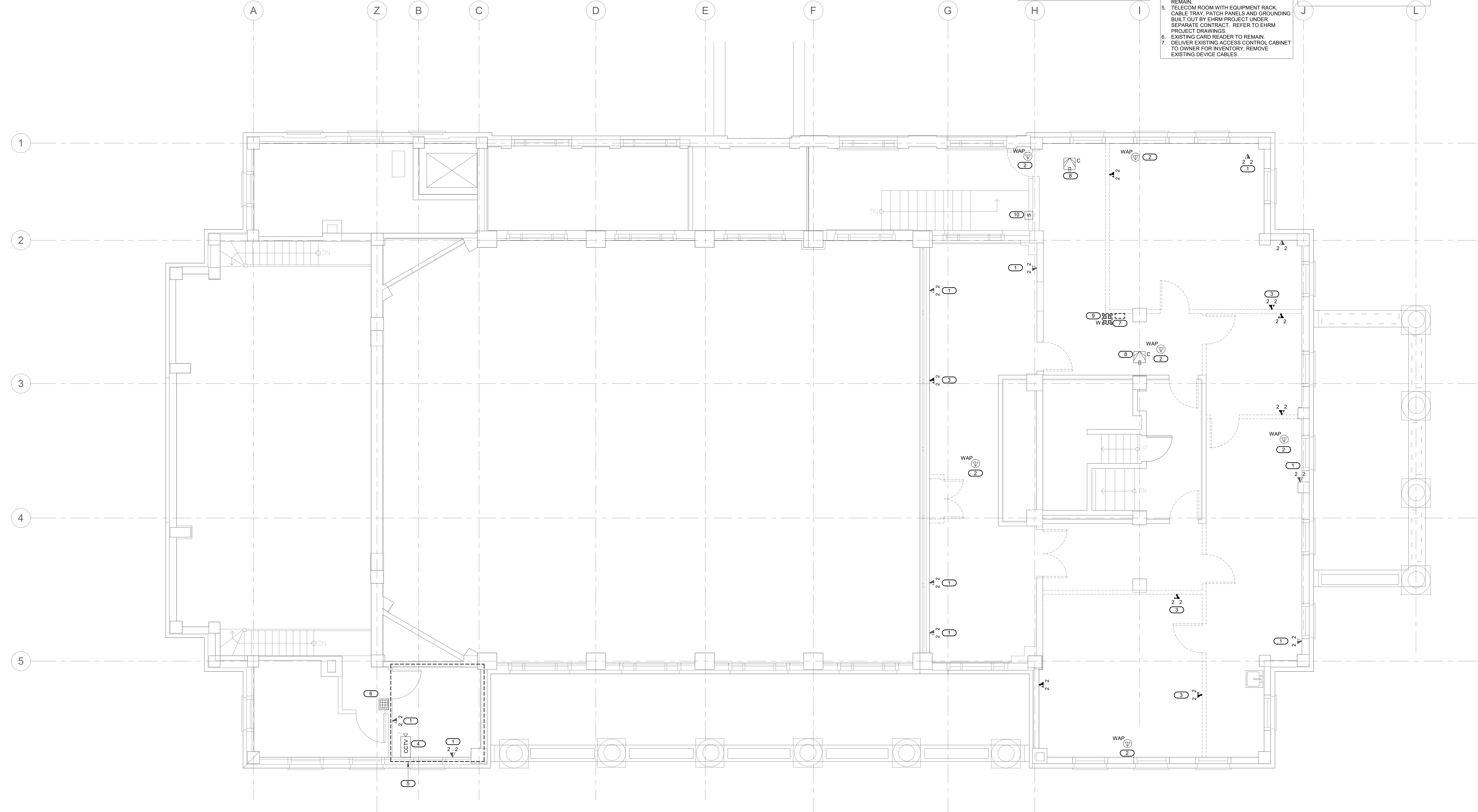
Project Title  
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 Building 4  
 Location  
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 Issue Date  
 9/23/2021

Project Number  
 589A7-21-108  
 Building Number  
 4  
 Drawing Number  
**TD102**

**SHEET NOTES:**  
 1. EXISTING CONDITIONS SHOWN ARE BASED ON INFORMATION AVAILABLE FROM EXISTING DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK.

**KEYNOTES: (#)**  
 1. EXISTING INFORMATION OUTLET TO REMAIN.  
 2. EXISTING WIRELESS ACCESS POINT OUTLET TO REMAIN.  
 3. EXISTING OUTLET AND CABLING TO BE RELOCATED. REFER TO NEW WORK PLAN.  
 4. EXISTING CAMERA AND CONNECTION TO REMAIN.  
 5. TELECOM ROOM WITH EQUIPMENT RACK, CABLE TRAY, PATCH PANELS AND GROUNDING BUILT OUT BY EHRM PROJECT UNDER SEPARATE CONTRACT. REFER TO EHRM PROJECT DRAWINGS.  
 6. EXISTING CARD READER TO REMAIN.  
 7. DELIVER EXISTING ACCESS CONTROL CABINET TO OWNER FOR INVENTORY. REMOVE EXISTING DEVICE CABLES.

**KEYNOTES: (#)**  
 8. EXISTING IDS MOTION DETECTOR TO REMAIN. REFER TO NEW WORK PLAN.  
 9. DELIVER EXISTING KEYPAD CARD READER TO OWNER FOR INVENTORY.  
 10. EXISTING PAGING SPEAKER TO REMAIN.

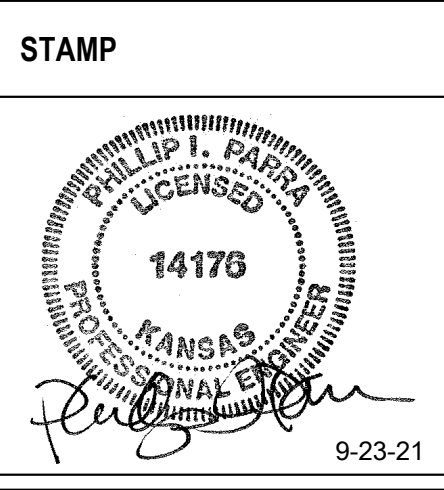


**1 SECOND FLOOR PLAN - TECHNOLOGY DEMOLITION**  
 1/4" = 1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management  
 U.S. Department of Veterans Affairs

Drawing Title  
**SECOND FLOOR PLAN - TECHNOLOGY DEMOLITION**  
 Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
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 Issue Date  
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Project Number  
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 Building Number  
 4  
 Drawing Number  
 TD103

Checked	Author

**SHEET NOTES:**

- UTILIZE EXISTING CABLE TRAY AS PROVIDED BY EHRM PROJECT UNDER SEPARATE CONTRACT. REWORK CABLE TRAY AND CABLES AT NEW WALL LOCATIONS. TO REMAIN ABOVE CORRIDORS WHERE POSSIBLE. FIRESTOP AS REQUIRED. REFER TO EHRM PROJECT DRAWINGS.

**KEYNOTES: (B)**

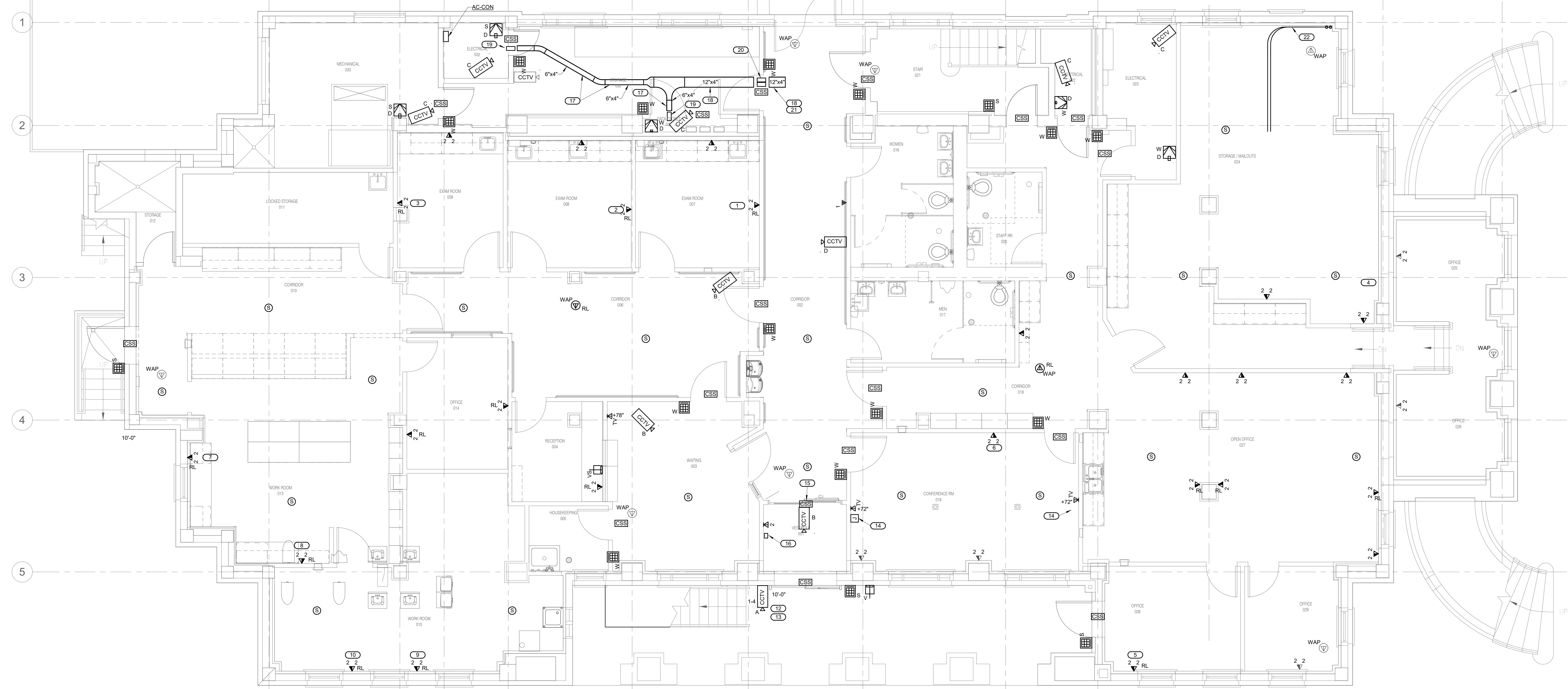
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES G, 2.5. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES G, 3. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES E, 3.5. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES I, 1. REFER TO SHEET TD101.
- RELOCATE CABLES AND JACKS FROM NEAR GRID LINES H, 4. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES D, 2. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES D, 2.5. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES H, 5. REFER TO SHEET TD101.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES F, 4. REFER TO SHEET TD101.

**KEYNOTES: (B)**

- PROVIDE EXTERIOR-MOUNTED 90-DEGREE VIEW, MOTION ACTIVATED NIGHT VISION CAMERA. PROGRAM WITH BEHAVIOR ANALYTICS TO COVER UTILITIES.
- PROVIDE EXTERIOR-MOUNTED 180-DEGREE MULTI-SENSOR, MOTION ACTIVATED, ZOOM, NIGHT VISION CAMERA.
- PROGRAM WITH BEHAVIOR ANALYTICS TO COVER ADJACENT PARKING LOTS AND BUILDING ENVELOPE APPROACH.
- PROVIDE 4" SQUARE BACKBOX WITH SINGLE-GANG FACEPLATE AT 18" AFF. WITH 1.25" CONDUIT TO TV OUTLET BACKBOX IN SAME ROOM, AND WITH HDMI CABLE/ADAPTERS CONNECTING BOTH FACEPLATES.
- PROVIDE ALARM OUTPUT CONNECTION FROM METAL DETECTOR WITHIN VESTIBULE, FOR AUTOMATIC ELECTRONIC LOCKING OF THIS DOOR UPON POSITIVE METAL DETECTOR READ. COORDINATE CONNECTION AND PROGRAMMING WITH METAL DETECTOR VENDOR AND WITH OWNER.

**KEYNOTES: (B)**

- PROVIDE WALL-MOUNTED METAL DETECTOR WITH CONNECTION TO ELECTRONIC ACCESS CONTROL. REFERENCE SPECIFICATIONS AND KEY NOTE 15 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 6"W x 4"D WIRE BASKET CABLE TRAY ABOVE CEILING.
- PROVIDE 12"W x 4"D WIRE BASKET CABLE TRAY ABOVE CEILING.
- PROVIDE FIRE-RATED PATHWAY, STI EZ-PATH 4", ABOVE CEILING.
- PROVIDE TWO (2) FIRE-RATED PATHWAY, STI EZ-PATH 4", ABOVE CEILING.
- PROVIDE TWO(2) 4" CONDUITS FROM DATA CLOSET 106 ABOVE, TO EXISTING CABLE TRAY ABOVE FIRST FLOOR CEILING. REFER TO EHRM PROJECT DRAWINGS.

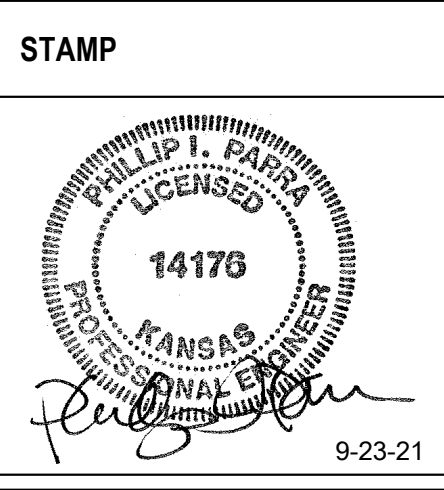


**1 BASEMENT PLAN - TECHNOLOGY**  
1/4" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**BASEMENT PLAN - TECHNOLOGY**  
Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
Renovate and Repair Structural, Building 4  
Location  
Wichita, KS  
Issue Date  
9/23/2021

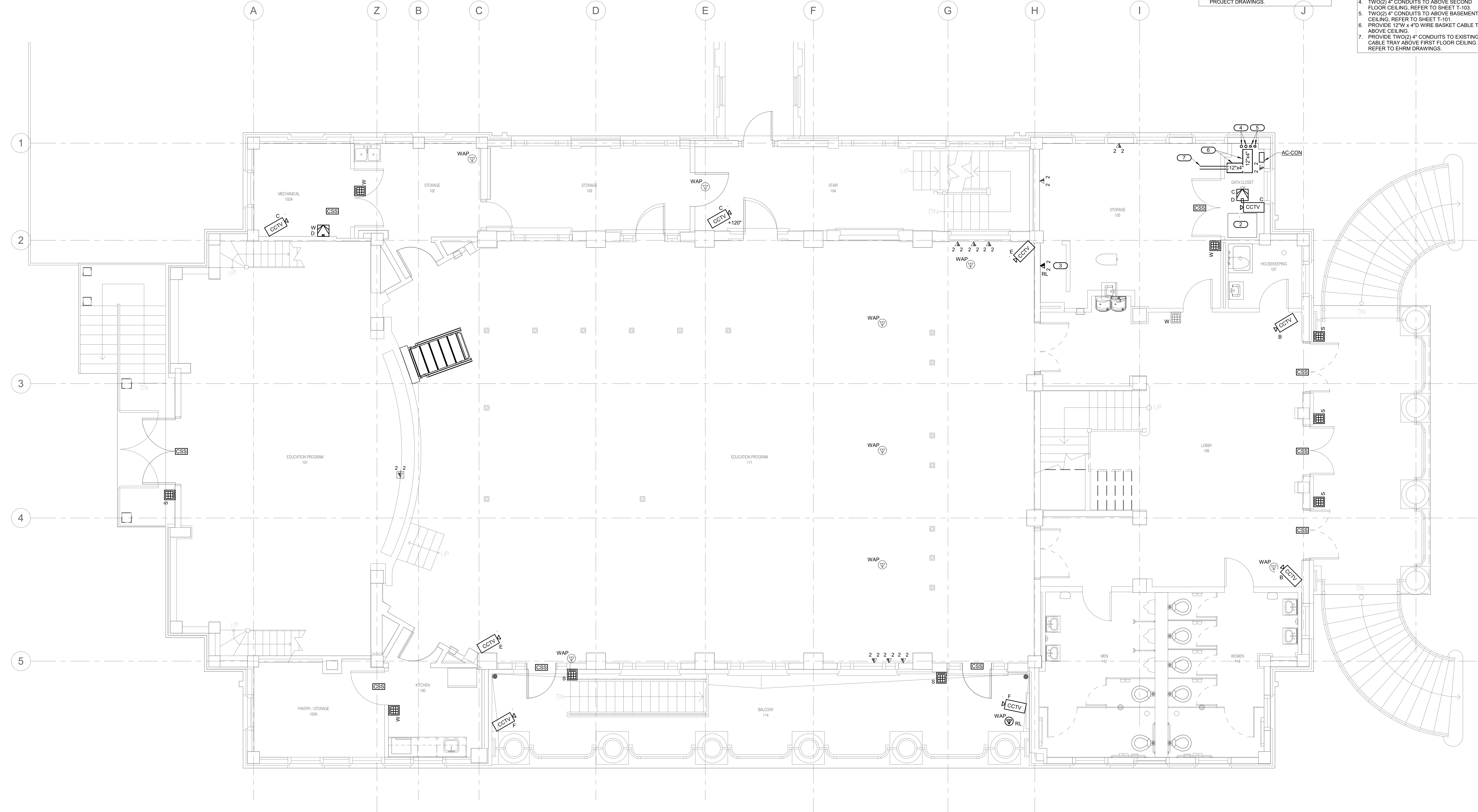
Project Number  
589A7-21-108  
Building Number  
4  
Drawing Number  
T-101

**SHEET NOTES:**

- UTILIZE EXISTING CABLE TRAY AS PROVIDED BY EHRM PROJECT UNDER SEPARATE CONTRACT. REWORK CABLE TRAY AND CABLES AT NEW WALL LOCATIONS, TO REMAIN ABOVE CORRIDORS WHERE POSSIBLE. FIRESTOP AS REQUIRED. REFER TO EHRM PROJECT DRAWINGS.

**KEYNOTES:**

- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES J, 5. REFER TO SHEET TD-102.
- EXISTING CATV EQUIPMENT CABINET. TERMINATE HOME RUN OUTLET CABLES.
- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES L, 2. REFER TO SHEET TD-102.
- TWO(2) 4" CONDUITS TO ABOVE SECOND FLOOR CEILING. REFER TO SHEET T-103.
- TWO(2) 4" CONDUITS TO ABOVE BASEMENT CEILING. REFER TO SHEET T-101.
- PROVIDE 12"W x 4" D WIRE BASKET CABLE TRAY ABOVE CEILING.
- PROVIDE TWO(2) 4" CONDUITS TO EXISTING CABLE TRAY ABOVE FIRST FLOOR CEILING. REFER TO EHRM DRAWINGS.

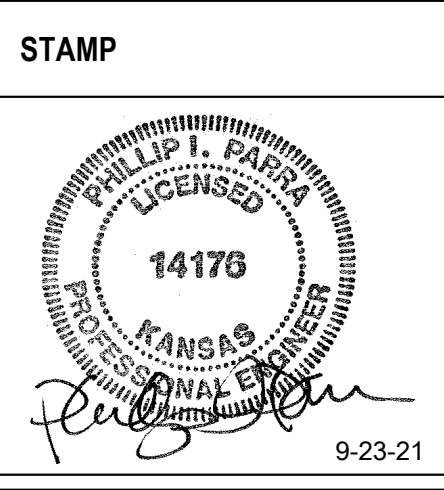


**1 FIRST FLOOR PLAN - TECHNOLOGY**  
1/4" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**FIRST FLOOR PLAN - TECHNOLOGY**  
Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
Renovate and Repair Structural, Building 4  
Location  
Wichita, KS  
Issue Date  
9/23/2021

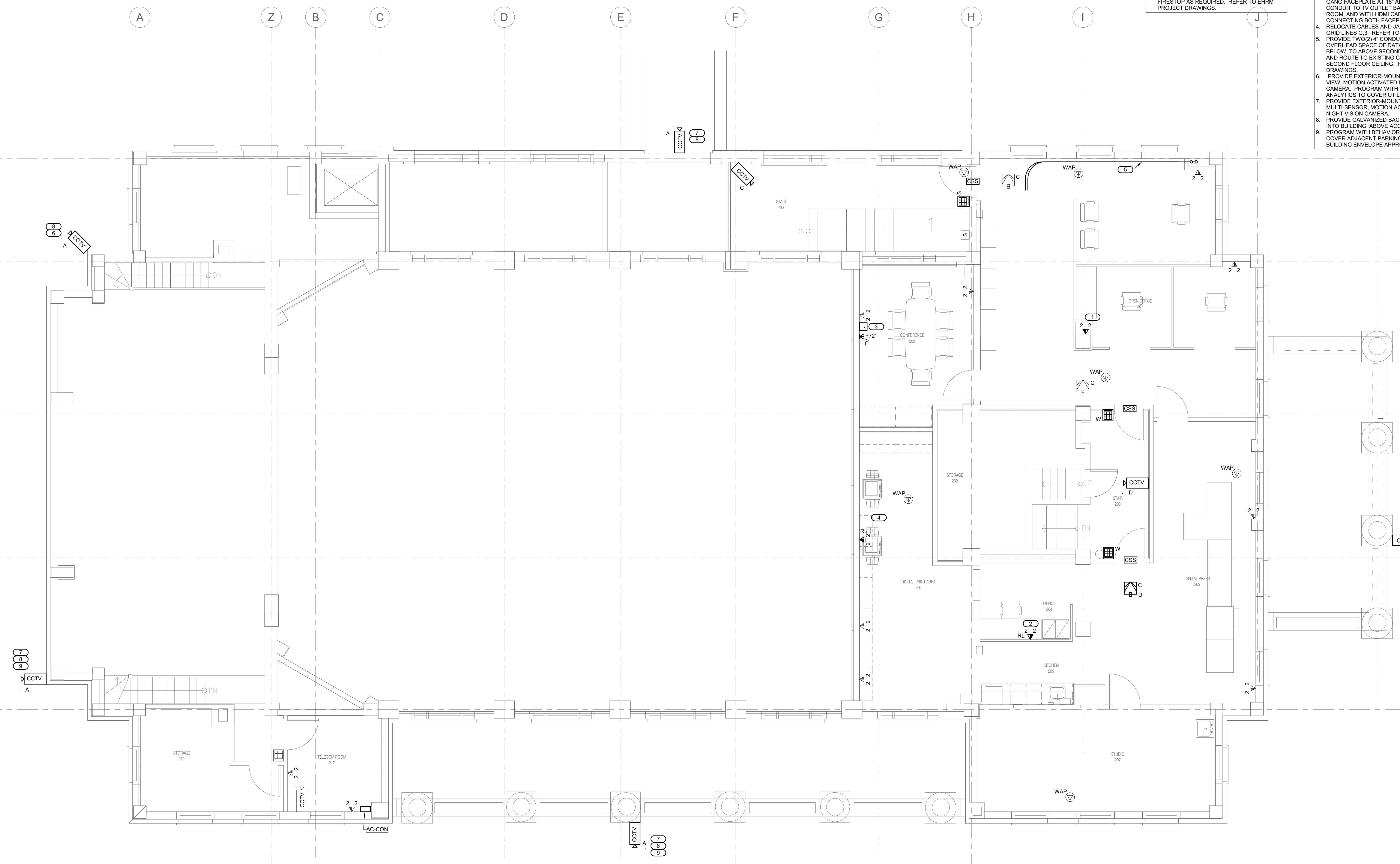
Project Number  
589A7-21-108  
Building Number  
4  
Drawing Number  
T-102

**SHEET NOTES:**

- UTILIZE EXISTING CABLE TRAY AS PROVIDED BY EHRM PROJECT UNDER SEPARATE CONTRACT. REWORK CABLE TRAY AND CABLES AT NEW WALL LOCATIONS, TO REMAIN ABOVE CORRIDORS WHERE POSSIBLE. FIRESTOP AS REQUIRED. REFER TO EHRM PROJECT DRAWINGS.

**KEYNOTES: ( # )**

- RELOCATE OUTLET AND CABLES FROM NEAR GRID LINES J, Z, 5. REFER TO SHEET TD103.
- RELOCATE CABLES AND JACKS FROM NEAR GRID LINES I, 5. REFER TO SHEET TD103.
- PROVIDE 4" SQUARE BACKBOX WITH SINGLE-GANG FACEPLATE AT 18" AFF. WITH 1.25" CONDUIT TO TV OUTLET BACKBOX IN SAME ROOM. AND WITH HDMI CABLE ADAPTERS CONNECTING BOTH FACEPLATES.
- RELOCATE CABLES AND JACKS FROM NEAR GRID LINES G, 3. REFER TO SHEET TD103.
- PROVIDE TWO (2) 4" CONDUITS FROM OVERHEAD SPACE OF DATA CLOSET 106 BELOW, TO ABOVE SECOND FLOOR CEILING AND ROUTE TO EXISTING CABLE TRAY ABOVE SECOND FLOOR CEILING. REFER TO EHRM DRAWINGS.
- PROVIDE EXTERIOR-MOUNTED 90-DEGREE VIEW, MOTION ACTIVATED NIGHT VISION CAMERA. PROGRAM WITH BEHAVIOR ANALYTICS TO COVER UTILITIES.
- PROVIDE EXTERIOR-MOUNTED 180-DEGREE MULTI-SENSOR, MOTION ACTIVATED, ZOOM, NIGHT VISION CAMERA.
- PROVIDE GALVANIZED BACKBOX AND CONDUIT INTO BUILDING, ABOVE ACCESSIBLE CEILING. PROGRAM WITH BEHAVIOR ANALYTICS TO COVER ADJACENT PARKING LOTS AND BUILDING ENVELOPE APPROACH.

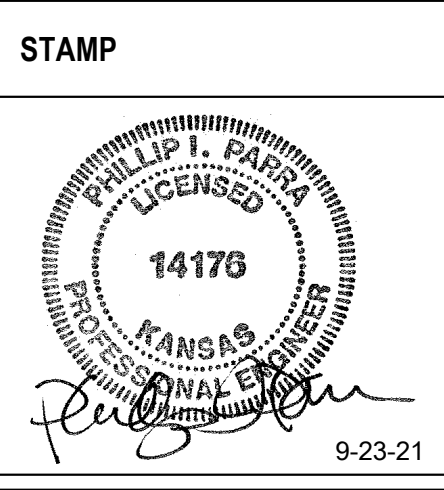


**1 SECOND FLOOR PLAN - TECHNOLOGY**  
 1/4" = 1'-0"  
 NORTH

Revisions:	Date:

**CONSULTANT**  
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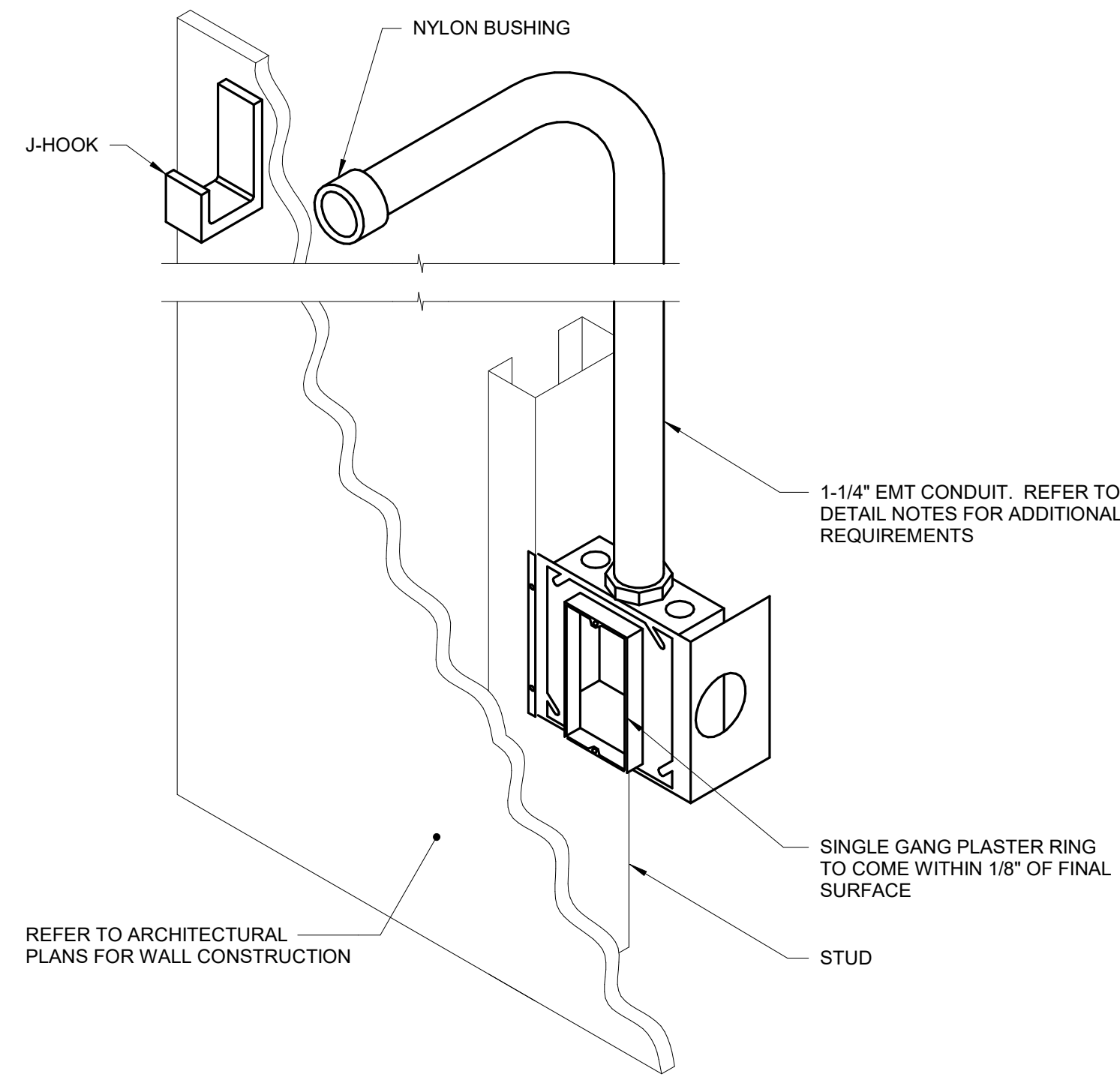
Office of  
 Construction  
 and Facilities  
 Management  
 VA U.S. Department  
 of Veterans  
 Affairs

Drawing Title  
**SECOND FLOOR PLAN -  
 TECHNOLOGY**  
 Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
 Renovate and Repair Structural,  
 Building 4  
 Location  
 Wichita, KS  
 Issue Date  
 9/23/2021  
 Checked  
 Checker  
 Drawn  
 Author

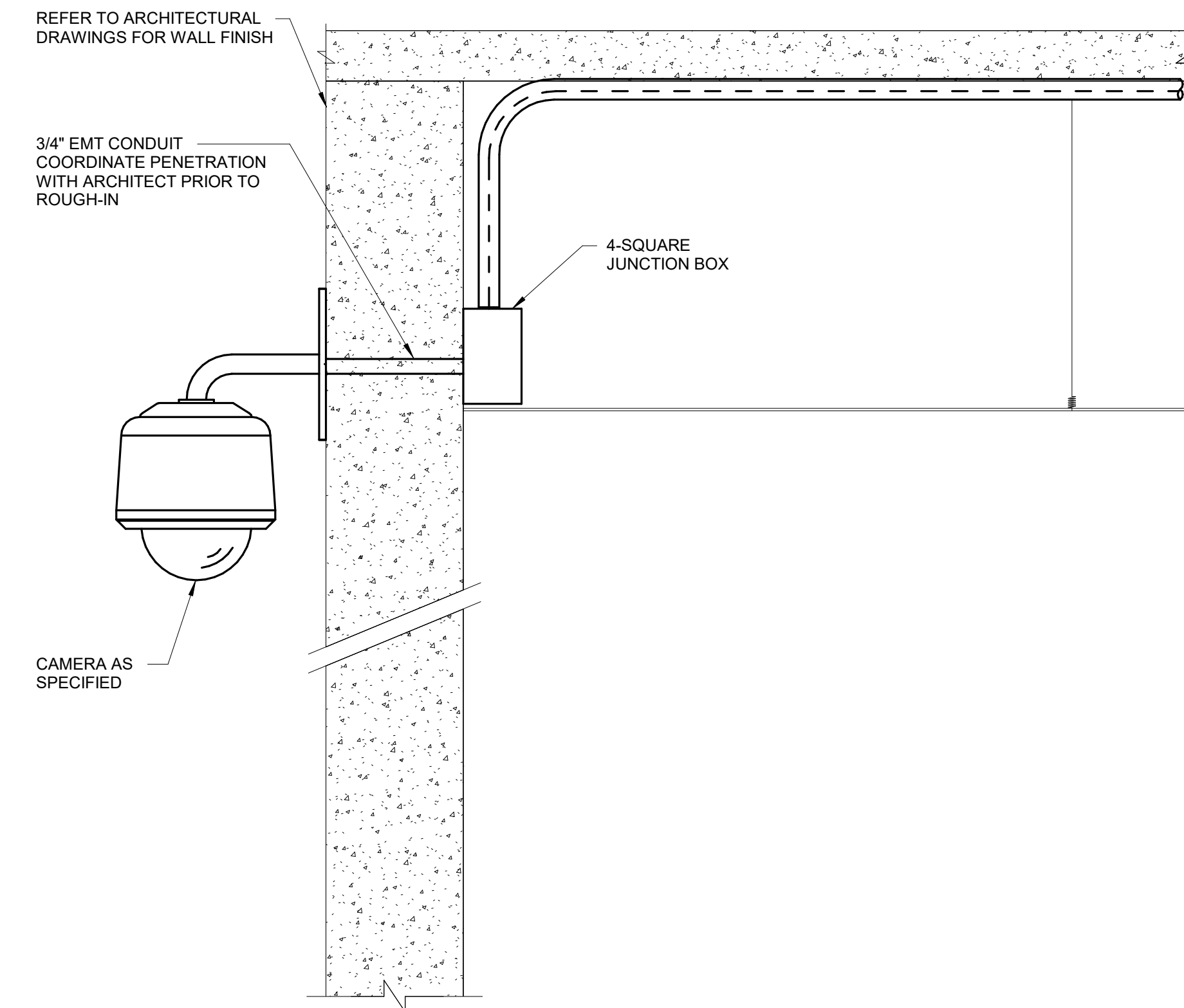
Project Number  
 589A7-21-108  
 Building Number  
 4  
 Drawing Number  
 T-103



**NOTES:**

- 1-1/4" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
- WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
- ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

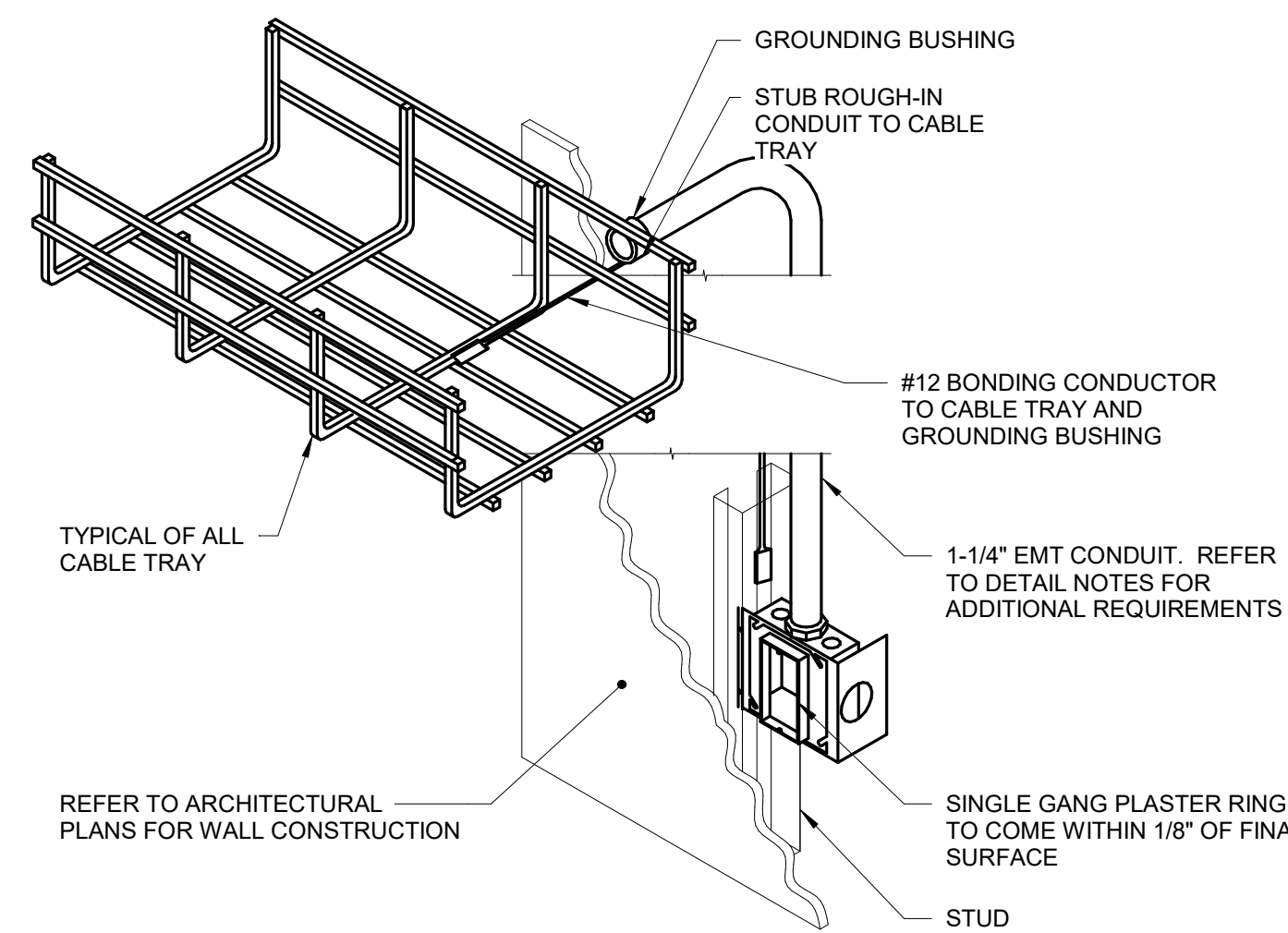
**1 TECHNOLOGY ROUGH-IN MOUNTING DETAIL**  
NO SCALE



**NOTES:**

- COORDINATE EXACT LOCATION ON SITE WITH WORK BY OTHER TRADES TO ENSURE DESIRED VIEWING AREA AND SERVICE ACCESS AFTER COMPLETION OF PROJECT AND TO MINIMIZE ANY POSSIBLE DAMAGE TO INSTALLED CAMERA OR ASSOCIATED CABLING.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR CAMERA ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.
- PROVIDE CAMERA MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION FROM THE SAME MANUFACTURER OF THE CAMERA AND APPROVED BY THE MANUFACTURER FOR USE WITH THE SPECIFIC MODEL NUMBER OF CAMERA INSTALLED.
- SEAL WALL MOUNT BASE PLATE TO FACADE TO PREVENT WATER INFILTRATION.

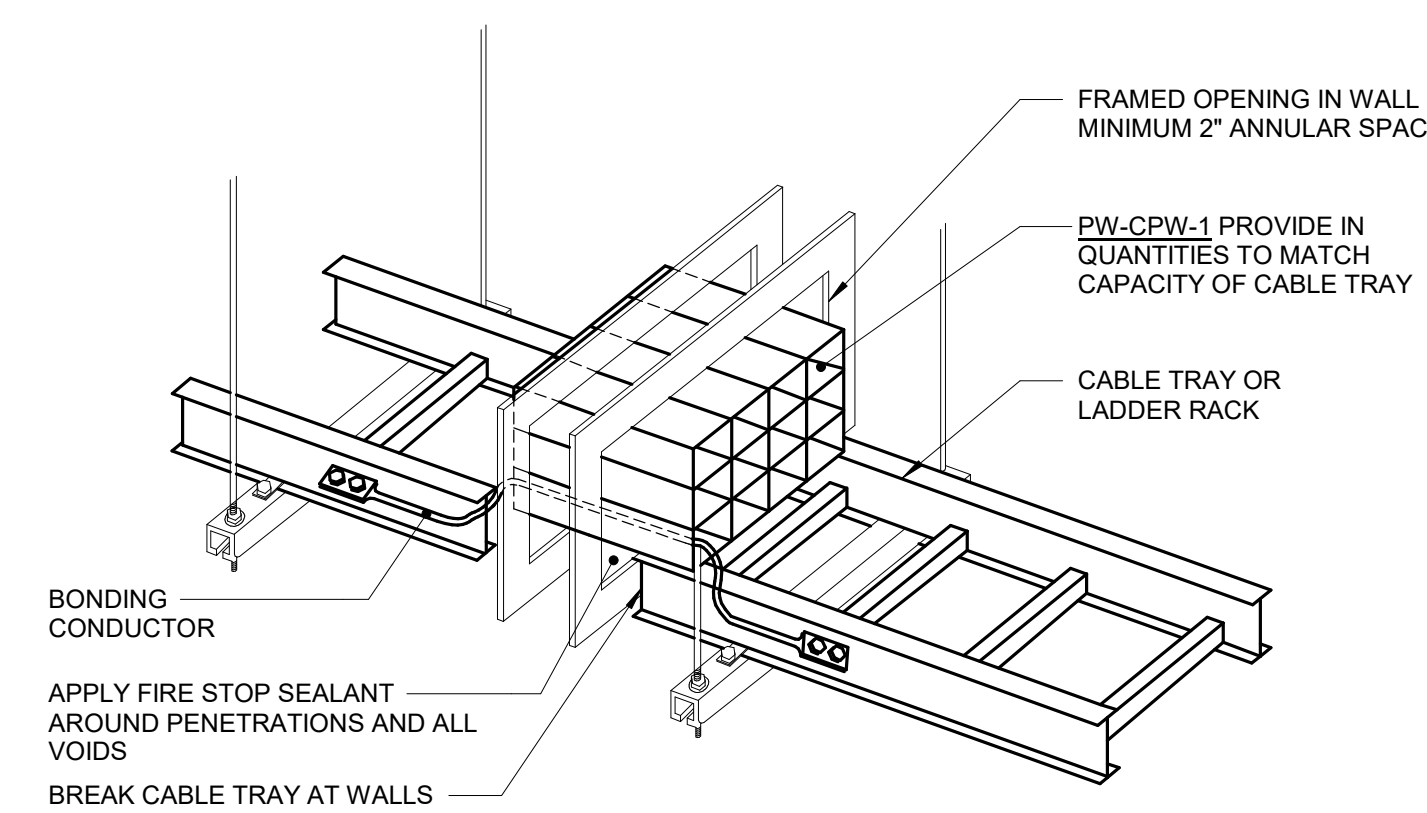
**2 WALL PENDANT CAMERA MOUNT AND ROUGH-IN DETAIL**  
NO SCALE



**NOTES:**

- 1-1/4" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
- WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
- ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
- FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

**3 INFORMATION OUTLET ROUGH-IN TO CABLE TRAY DETAIL**  
NO SCALE



**NOTES:**

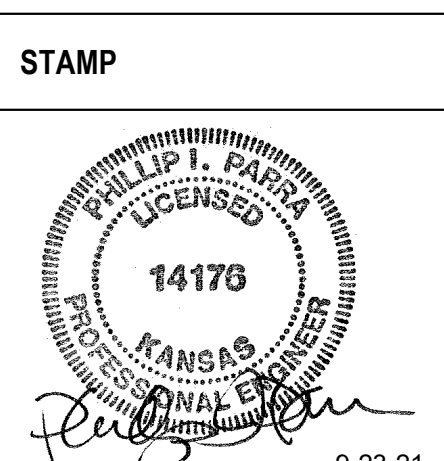
- REFER TO SPECIFICATION SECTION 17080 THROUGH PENETRATION FIRESTOPPING FOR ADDITIONAL INFORMATION.
- REFER TO SPECIFICATIONS FOR LADDER RACK AND CABLE TRAY INFORMATION. LADDER TYPE CABLE TRAY IS ONLY SHOWN FOR CLARITY OF ILLUSTRATION.
- PROVIDE GROUNDING LUGS WITH PW-CPW-1 AND BOND TO GROUND PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE #6 AWG GREEN COPPER GROUND WIRE BETWEEN SECTIONS OF CABLE TRAY TO MAINTAIN CONTINUOUS GROUND. ATTACH TO CABLE TRAY WITH MANUFACTURER APPROVED GROUNDING CLAMPS OR LUGS.

**4 FIRE RATED CABLE PATHWAY DETAIL**  
NO SCALE

Revisions:	Date:

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**ARCHITECT/ENGINEER OF RECORD**  
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Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

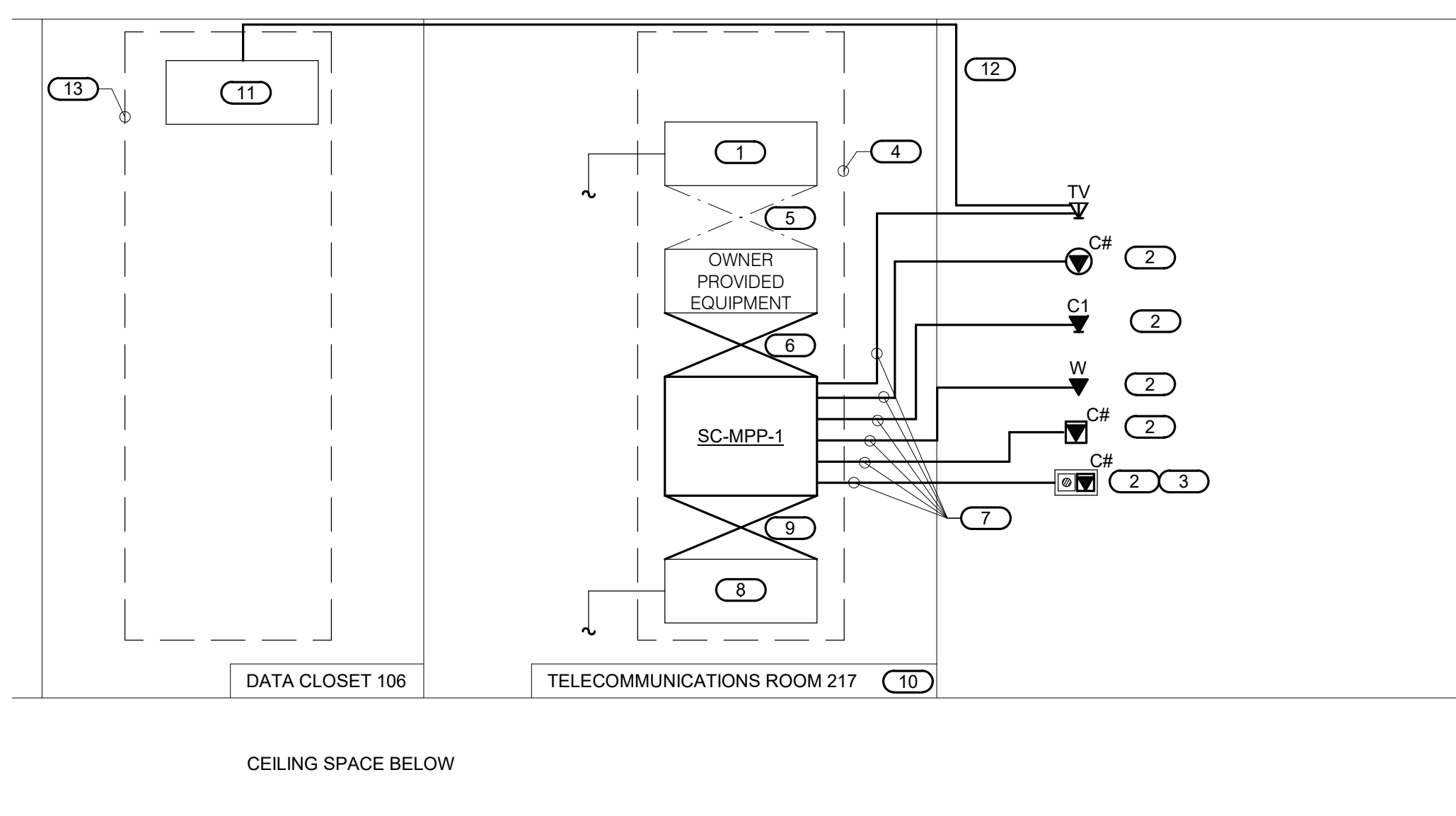
Drawing Title  
**TECHNOLOGY DETAILS**  
Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
Renovate and Repair Structural, Building 4  
Location  
Wichita, KS  
Issue Date  
9/23/2021  
Checked  
Checker  
Drawn  
Author

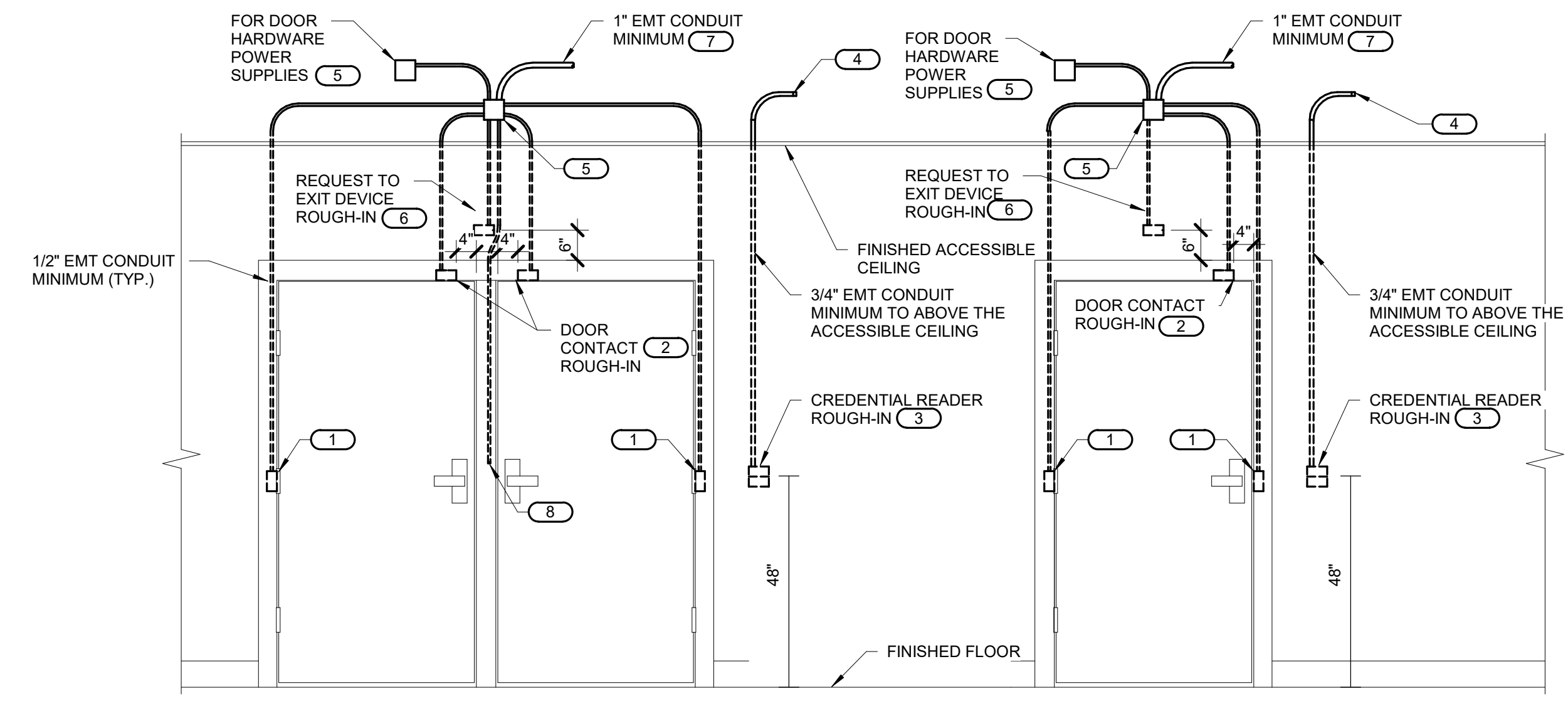
Project Number  
589A7-21-108  
Building Number  
4  
Drawing Number  
T-301





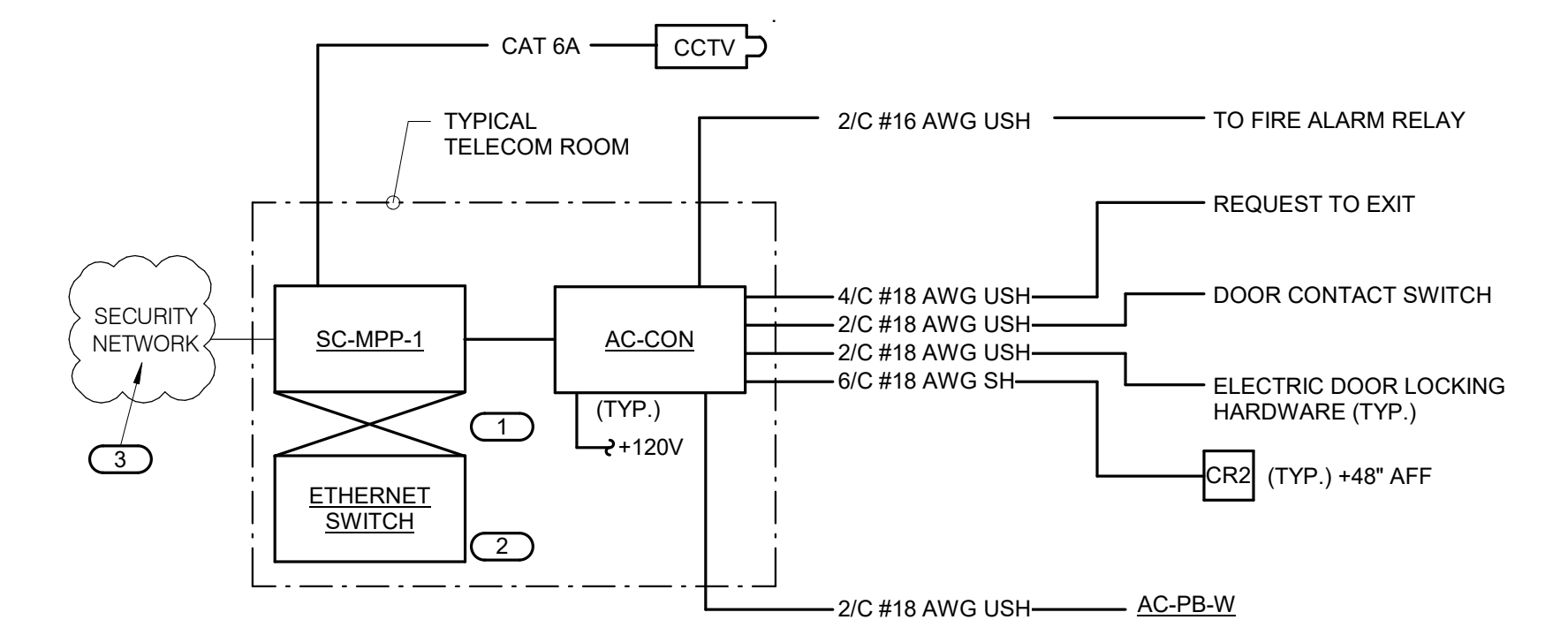
- NOTES:**
- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
- KEYNOTES:**
- EXISTING FIBER OPTIC DISTRIBUTION CABINET AND BACKBONE CABLING.
  - CR INDICATES VOICEDATA FACEPLATE CONFIGURATION. REFER TO THE INFORMATION OUTLET SCHEDULE ON T-500 FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATIONS SECTION 27 15 00 FOR ADDITIONAL INFORMATION.
  - INFORMATION OUTLET INSTALLED IN E.C. PROVIDED AND INSTALLED FLOOR BOX.
  - RACK OR CABINET AS PROVIDED BY EHRM PROJECT UNDER SEPARATE CONTRACT. REFER TO EHRM PROJECT DRAWINGS.
  - EXISTING FIBER PATCH CORDS.
  - RJ-45 TO RJ-45 CATEGORY 6A UTP PATCH CORDS. REFER TO SPECIFICATIONS.
  - 4-PAIR, CATEGORY 6A, UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.
  - EXISTING VOICE PATCH PANEL AND BACKBONE CABLING.
  - REFER TO SPECIFICATIONS FOR COPPER PATCH CORD REQUIREMENTS.
  - REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATION.
  - EXISTING CATV PATCH PANEL.
  - COAX RISE CABLE.
  - EXISTING CATV CABINET.

**1 TYPICAL INFORMATION OUTLET RISER DIAGRAM**  
NO SCALE



- NOTES:**
- CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS FOR COMPLETE INFORMATION. MIRROR THE DETAIL AS REQUIRED.
  - ROUGH-IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SCHEME DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
  - ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT.
  - THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION. MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
  - INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
  - REFER TO THE ACCESS CONTROL RISER DIAGRAM ON 3/1-400 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME SCHEDULE ON T-500 FOR ADDITIONAL INFORMATION.
  - INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE RESPONSIBILITY FOR ADDITIONAL INFORMATION.
- KEYNOTES:**
- PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
  - ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH.
  - 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING. PROVIDE 2 1/2" DEEP MASONRY BOX WHERE APPLICABLE. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.
  - CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO THE NEAREST TELECOM ROOM. PROVIDE A NYLON BUSHING ON CONDUIT END.
  - MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.
  - PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON T-500 FOR DOORS THAT REQUIRE THIS ROUGH-IN.
  - CONDUIT SHALL ROUTE TO THE NEAREST TELECOM ROOM. PROVIDE A NYLON BUSHING ON CONDUIT END.
  - CONDUIT INSTALLED IN PERMANENT MULLIONS ONLY. REFER TO THE ARCHITECTURAL DOOR SCHEDULE AND DOOR HARDWARE GROUPS FOR LOCATIONS THAT REQUIRE THIS ROUGH-IN. PROVIDE A NYLON BUSHING ON THE CONDUIT END.

**2 CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL**  
NO SCALE



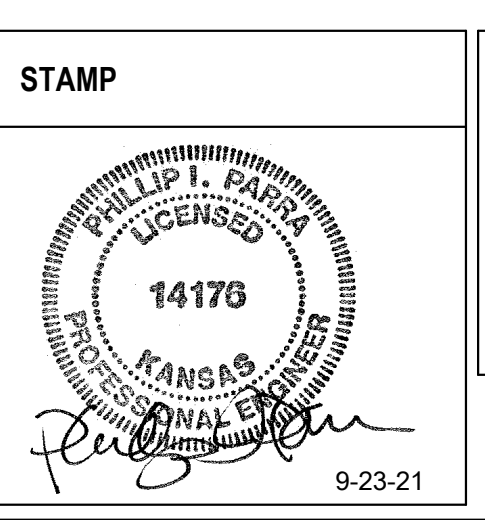
- NOTES:**
- THIS DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL DEVICE QUANTITIES OR LOCATIONS. ALL DEVICES SHOWN ARE TYPICAL AND MAY NOT REFLECT EVERY WIRE OR CONNECTION THAT MUST BE MADE. WIRING SHOWN ON THIS DIAGRAM REFLECTS THE REQUIREMENTS FOR THE BASIS OF DESIGN MANUFACTURER. ANY CHANGES REQUIRED DUE TO THE T.C.'S SELECTION OF AN ALTERNATE MANUFACTURER, INCLUDING ANY POWER REQUIRED FOR FIELD LOCATED SECURITY CONTROLLERS, SHALL BE INCLUDED IN THE T.C.'S BID.
  - ONE SC-MPP-1 SHALL BE DEDICATED TO SECURITY SYSTEM DEVICES.
  - REFER TO FLOOR PLANS FOR LOCATIONS AND LAYOUT OF INFORMATION OUTLETS TO BE PROVIDED BY T.C.
  - CATEGORY 6A CABLING FROM AC-CON SECURITY CONTROL PANEL TO MODULAR PATCH PANEL IN AREA SERVING TELECOM ROOM.
- KEYNOTES:**
- CATEGORY 6A RJ-45 TO RJ-45 PATCH CABLE.
  - PROVIDE 24-PORT POE-PLUS SWITCH, CISCO C9200-24P-E WITH CISCO OPTICAL GIGABIT ETHERNET SFP'S AS REQUIRED. MOUNT SWITCH IN EXISTING EQUIPMENT RACK.
  - IN EXISTING VA LOCAL POLICE STATION, REPLACE ONE(1) EXISTING NVR WITH RACK-MOUNT TYCO VIDEO EDGE 10018 NVR WITH ALL LICENSING AS REQUIRED. COORDINATE LOCATION AND PROGRAMMING WITH VA. PROVIDE 43" PROFESSIONAL GRADE 4K RESOLUTION WALL-MOUNT MONITOR WITH CONNECTIONS AS REQUIRED. COORDINATE LOCATION AND MOUNTING WITH VA.

**3 ACCESS CONTROL AND VIDEO SURVEILLANCE RISER DIAGRAM**  
NO SCALE

Revisions:	Date:

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Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**TECHNOLOGY DIAGRAMS**  
Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
Renovate and Repair Structural, Building 4  
Location  
Wichita, KS  
Issue Date  
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Checked  
Author

Project Number  
589A7-21-108  
Building Number  
4  
Drawing Number  
T-401

CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE

GENERAL NOTES:
1. ELECTRONIC DOOR HARDWARE SUCH AS ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ETC. SHALL BE PROVIDED AND INSTALLED BY OTHERS. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE ON T-501 FOR CREDENTIAL READER TYPE INFORMATION.
2. REFER TO SPECIFICATIONS SECTION 08 71 00 FOR DOOR HARDWARE SETS AS THEY RELATE TO THIS SCHEDULE.

Table with columns: DOOR #, CREDENTIAL READER, INTEGRATION, REQUEST TO EXIT, DOOR HARDWARE, OTHER (REFER TO NOTES), and NOTES. Lists door types and associated hardware requirements.

TECHNOLOGY EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.
CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE.

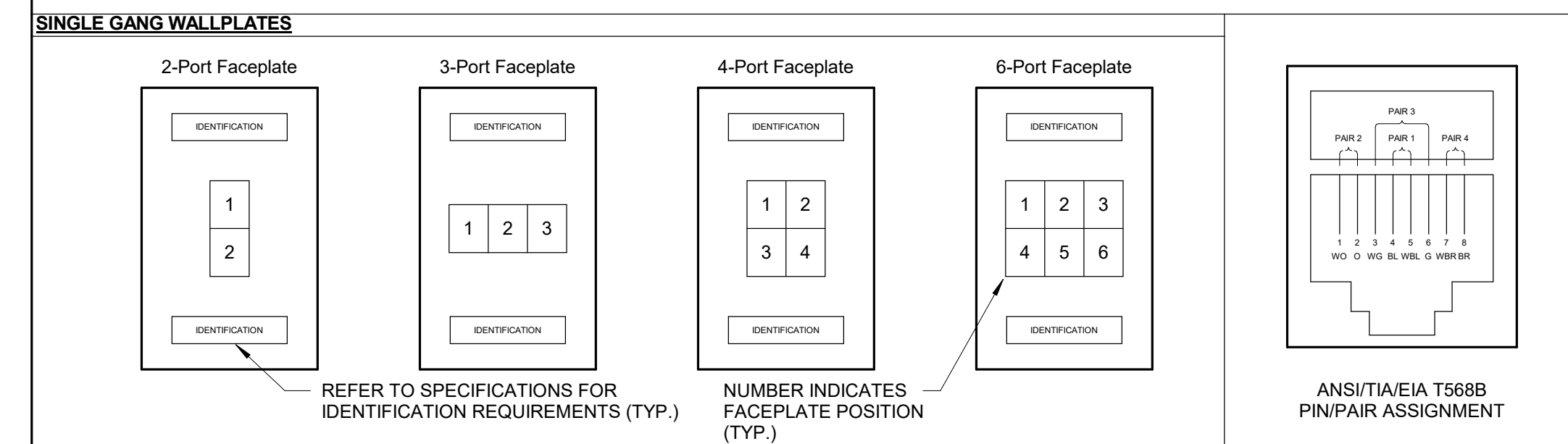
Table with columns: EQUIPMENT LIST ABBREVIATION, EQUIPMENT LIST DESCRIPTION, and EQUIPMENT LIST MANUFACTURER AND MODEL. Lists various technology equipment like access control panels, video intercom stations, and paging speakers.

SURVEILLANCE CAMERA SCHEDULE

Table with columns: CAMERA TYPE, DESCRIPTION, and MANUFACTURER AND MODEL. Lists camera models like TYCO ILLUSTR FLEX and TYCO ILLUSTR PRO.

NOTE: PROVIDE FACIAL BIOMETRICS/RECOGNITION LICENSE #ADVEFCV01 FOR EACH CAMERA OF EVERY TYPE.

INFORMATION OUTLET SCHEDULE



NOTES:
1. PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS.
2. REFER TO SPECIFICATIONS SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS.

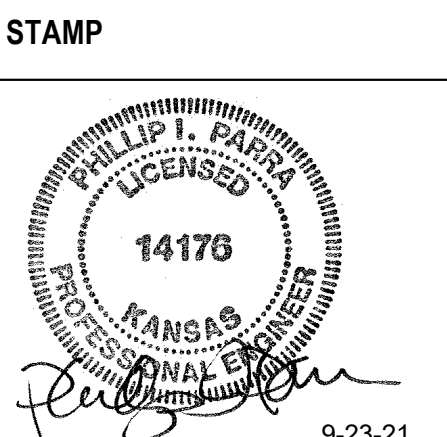
SCHEDULE NOTES:
1. LOCATION OF FUTURE OR OWNER PROVIDED WIRELESS ACCESS POINT. PROVIDE A 20" SLACK COIL AT THE NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION AFTER WIRELESS SURVEY.
2. PROVIDE HDMI ADAPTER AND CONNECTION, IN ADDITION TO F-CONNECTOR, WHERE NOTED ON PLANS.

Table with columns: CONFIGURATION, FACEPLATE PORTS, and POSITION JACK TYPE. Lists configurations like 2D, 2V-2D, TV, and WAP with their corresponding port types.

Table with columns: Revisions and Date. For tracking changes to the drawing.

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Office of Construction and Facilities Management
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Approved:

Phase: BID DOCUMENTS
FULLY SPRINKLERED

Project Title: Renovate and Repair Structural, Building 4
Location: Wichita, KS
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Building Number: 4
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