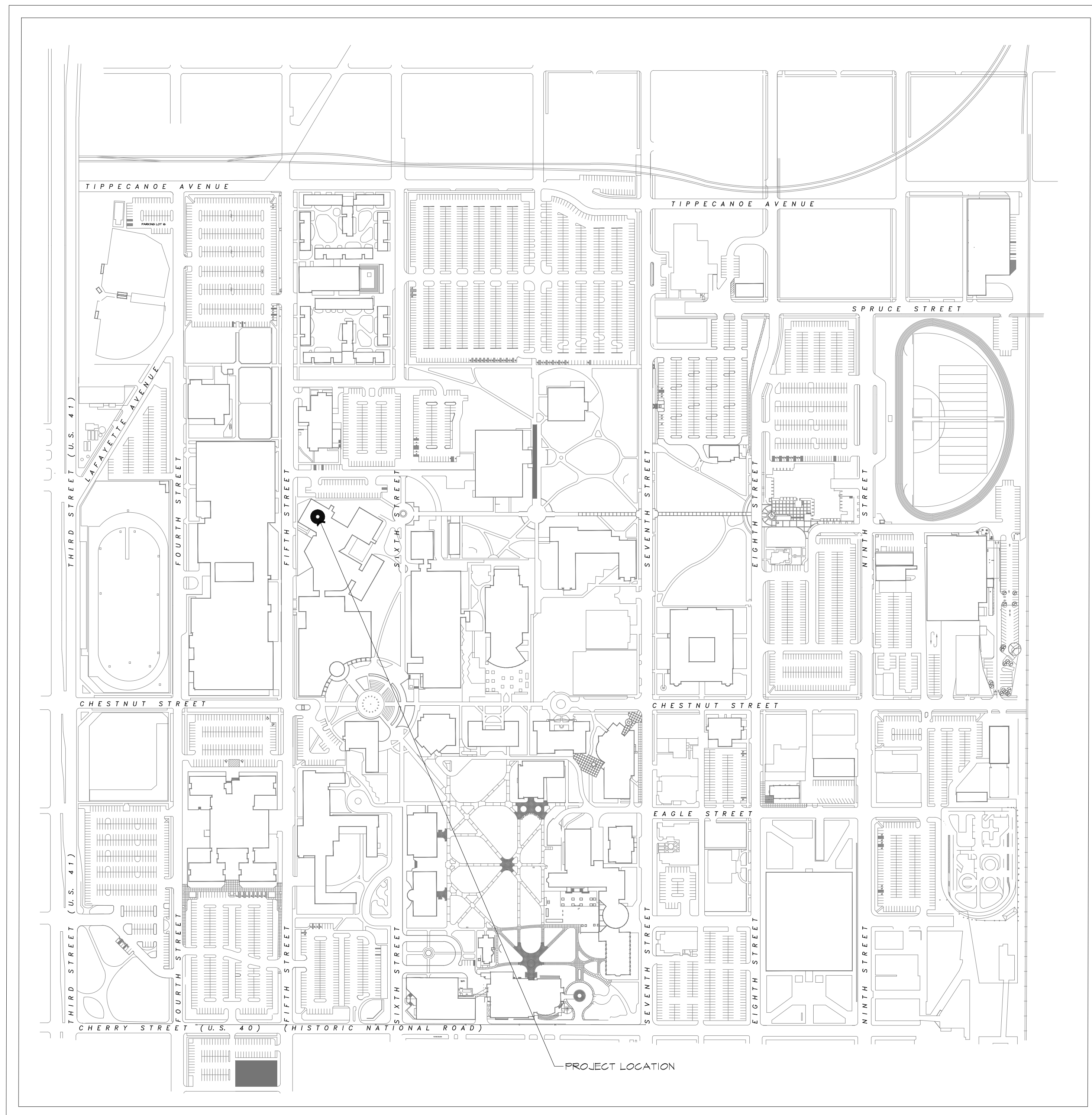


RENOVATIONS FOR ESPORTS JONES HALL



PROJECT LOCATION MAP

DRAWING INDEX

CIVIL

ELECTRICAL

- E001 SYMBOLS, ABBREVIATIONS
- ED211 POWER SYSTEMS DEMOLITION
- E200 BASEMENT ELECTRICAL PLAN
- E201 FIRST FLOOR LIGHTING PLAN
- E211 FIRST FLOOR POWER PLAN

DEMOLITION

MECHANICAL

- D100 DEMOLITION PLAN

- M200 BASEMENT MECHANICAL PLAN
- M201 FIRST FLOOR MECHANICAL PLAN

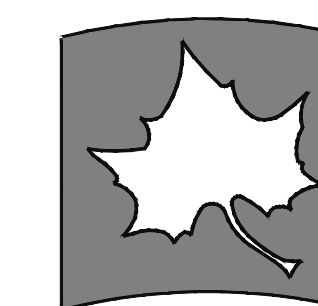
ARCHITECTURAL

TECHNOLOGY

- A100 BASE BID FLOOR PLAN
- A101 ALTERNATE #1 FLOOR PLAN

- ISU-T-001 LEGEND
- ISU-T-002 LEGEND
- T201 FIRST FLOOR TELECOM PLAN
- T211 FIRST FLOOR CABLE TRAY PLAN
- T212 FIFTH FLOOR TELECOM PLAN
- ISU-T-301 PENETRATIONS / SECTIONS
- T401 TELECOM DETAILS
- ISU-T-511 TERMINATION / IDENTIFICATION
- ISU-T-512 TERMINATION / IDENTIFICATION
- ISU-T-513 STATION OUTLET DETAILS

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Facilities Management
951 Sycamore Street
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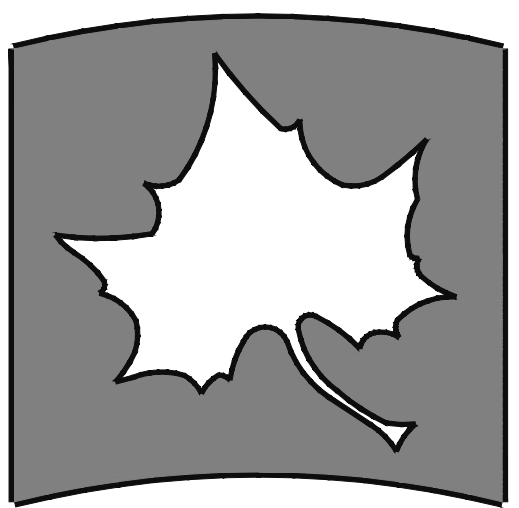
DATE: 4/4/2024 PROJ. NO.: B0028353



DEMOLITION PLAN
 SCALE: 3/16"=1'-0"
 N

PLAN NOTES:

- ① REMOVE EXISTING PAIR OF DOORS COMPLETE. FRAME TO REMAIN. TURN OVER DOORS TO OWNER.
- ② REMOVE EXISTING CARPETING COMPLETE. PREP FLOOR FOR NEW CARPETING.
- ③ REMOVE EXISTING WOOD LOUVER SLAT GRILL TO APPROXIMATELY 12' OF LENGTH. INFILL WALL AREA WITH FRAMING AND PLYWOOD FOR INSTALLATION OF SALVAGED WOOD BOARDS.
- ④ REMOVE EXISTING ROUGH SAWN WOOD BOARDS TO APPROXIMATELY 12' OF LENGTH. THIS WILL ONLY NEED TO OCCUR IF ALTERNATE # 3 IS ACCEPTED.
- ⑤ REMOVE EXISTING WOOD TRIM AND SISAL WALL COVERING COMPLETE. PREP WALL FOR NEW FINISHES.
- ⑥ REMOVE EXISTING DOOR HARDWARE AND SECURE TO FIXED CLOSED POSITION.

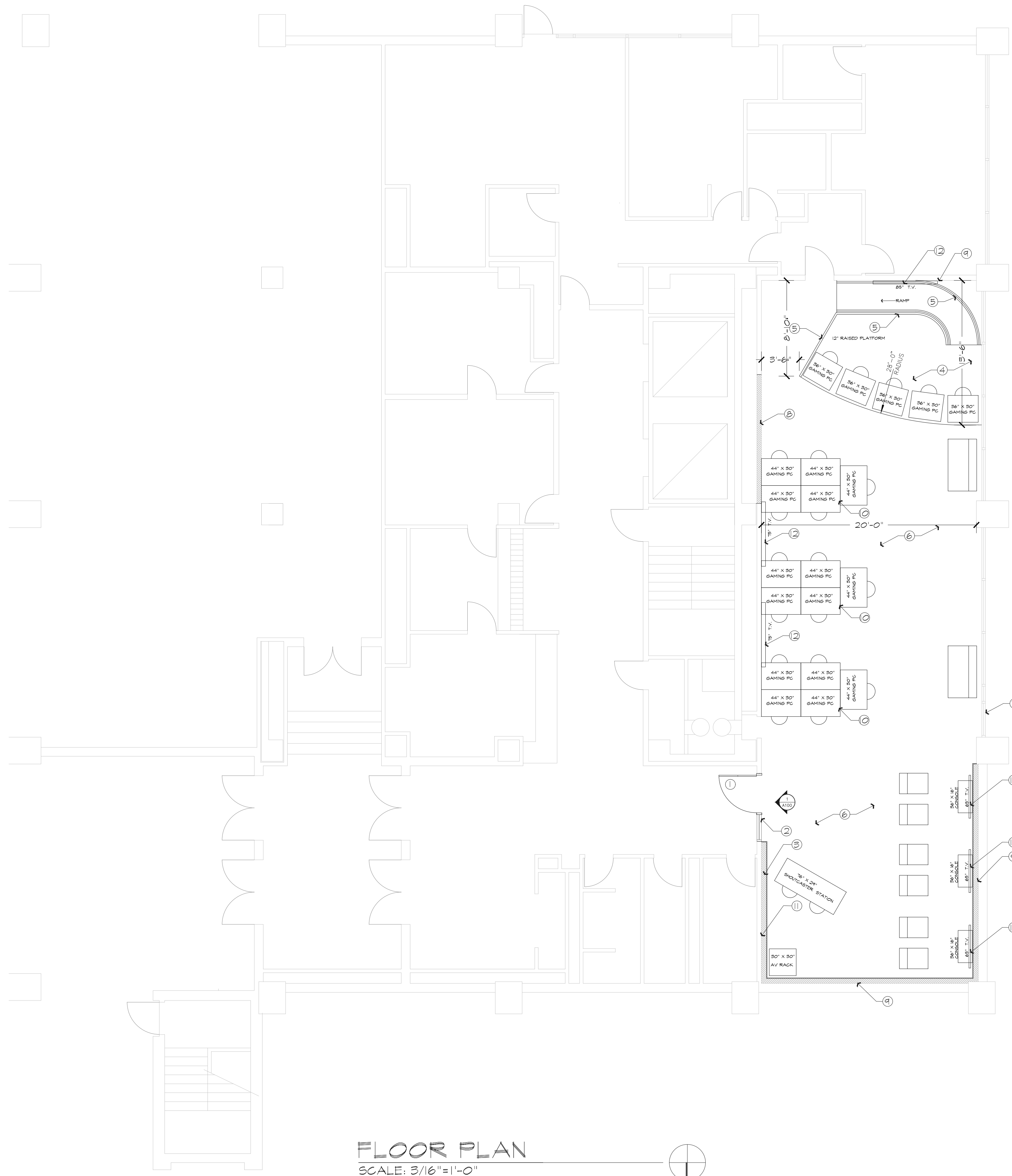


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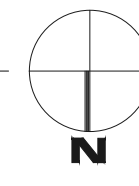
RENOVATIONS FOR ESPORTS
 JONES HALL LOUNGE
 DEMOLITION PLAN

FILENAME:	
PROPERTY NO.:	
REVISIONS	
1	
2	
DATE:	3/28/2024
SCALE:	3/16"=1'-0"
DRAWN BY:	S. TILLMAN
CHECKED BY:	B. DUNCAN
APPROVED BY:	
PROJECT NO.:	

SHEET NO.
D100
 OF SHEETS



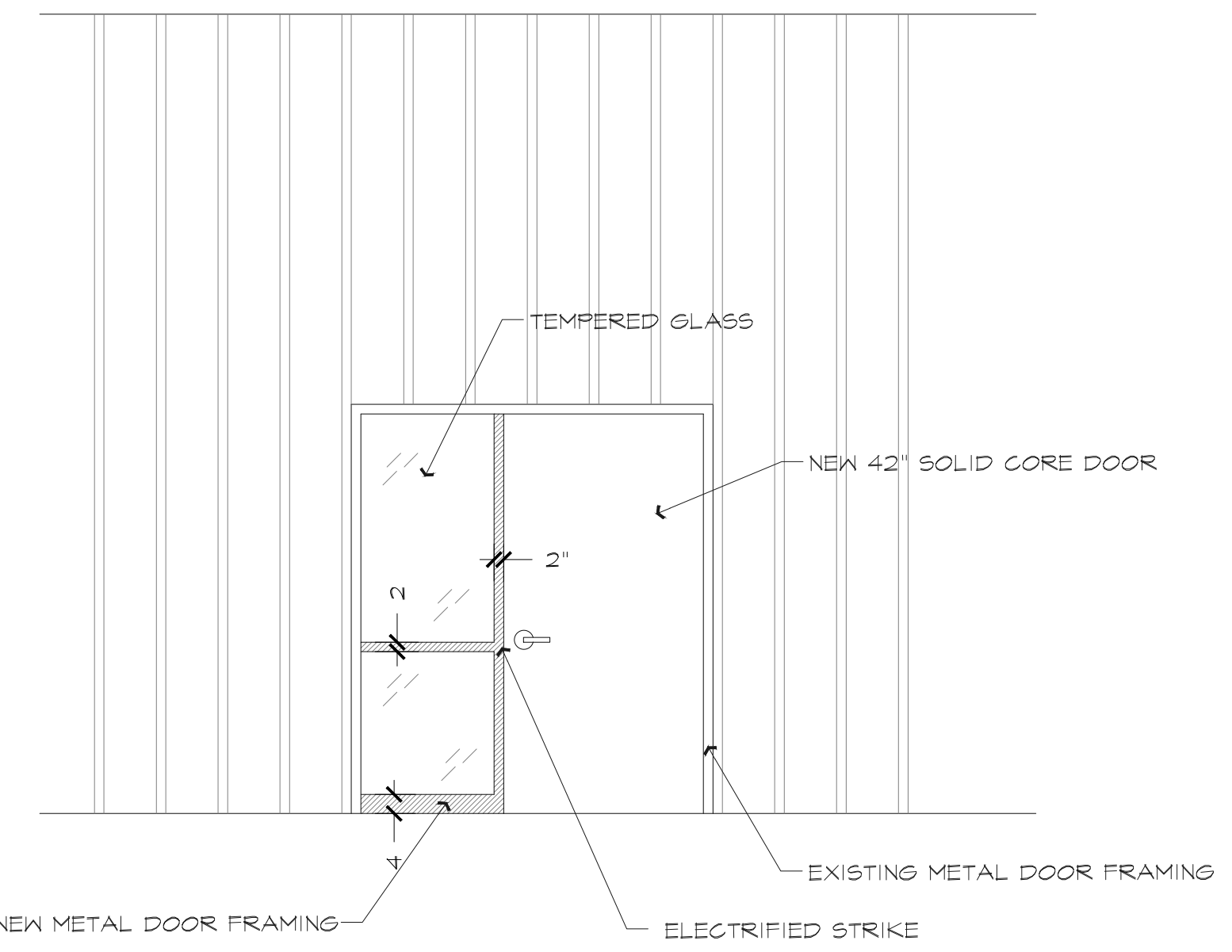
FLOOR PLAN
SCALE: 3/16"=1'-0"



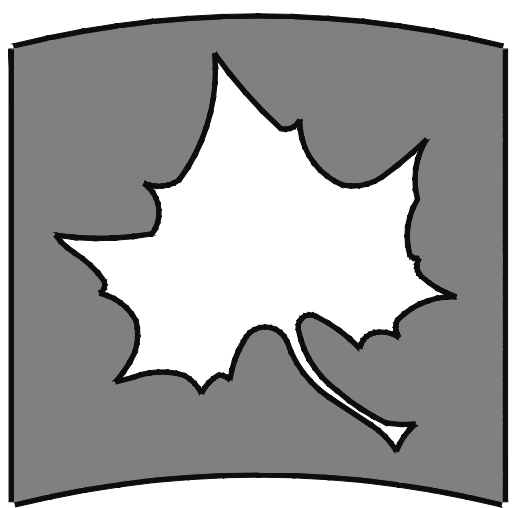
BASE BID FLOOR PLAN FURNITURE LAYOUT

PLAN NOTES:

- ① INSTALL A NEW 42" SOLID CORE WOOD DOOR IN FINISH TO MATCH EXISTING. SIZE DOOR HEIGHT AND HINGES TO MATCH WITH EXISTING METAL FRAME.
- ② INSTALL A METAL FRAME MULLION SIDELIGHT TO EXISTING METAL FRAME.
- ③ INSTALL A 5 5/8" METAL STUD WALL TO 10'-0" WITH 5/8" DRYWALL. INSTALL WOOD BLOCKING WHERE NEW T.V.'S ARE TO BE MOUNTED. THIS SHALL BE BID AS ALTERNATE #3.
- ④ CONSTRUCT A WOOD FRAMED PLATFORM AND RAMP WITH 3/4" PLYWOOD DECKING. INSTALL CARPETING OVER PLATFORM AND RAMP. RISER PLATFORM SIDES TO BE LAMINATED IN COLOR TO BE SELECTED.
- ⑤ INSTALL A METAL RAILING AND GUARD RAIL.
- ⑥ REMOVE EXISTING CARPETING COMPLETE. INSTALL NEW CARPET TILE FLOORING AS "MILLIKEN" "LOUDSPEAKER" COLOR: BLUE CHROMA # TWE 52. INSTALL 6" BLACK VINYL BASE ON DRYWALL WALLS ONLY.
- ⑦ REMOVE EXISTING DOOR HARDWARE AND SECURE TO FIXED CLOSED POSITION.
- ⑧ INSTALL SALVAGED ROUGH SAWN WOOD PLANKS TO MATCH WITH EXISTING WALL SIDING.
- ⑨ REMOVE EXISTING SISAL AND WOOD TRIM COMPLETE. PREP WALLS FOR NEW FINISHED AS REQUIRED.
- ⑩ BASE BID FURNITURE LAYOUT.
- ⑪ REMOVE AND SALVAGE EXISTING ROUGH SAWN BOARDS THAT ARE WHERE THE METAL STUD WALL WILL BE CONSTRUCTED.
- ⑫ ISU TO PROVIDE T.V.'S AND T.V. MOUNTS. CONTRACTOR WILL INSTALL THE MOUNTS AND T.V.'S AS PER PLAN LOCATIONS. FIELD VERIFY EXACT HEIGHTS OF T.V.'S WITH OWNER PRIOR TO INSTALLATION OF REQUIRED BLOCKING.



DETAIL 1
SCALE: 3/8"=1'-0"

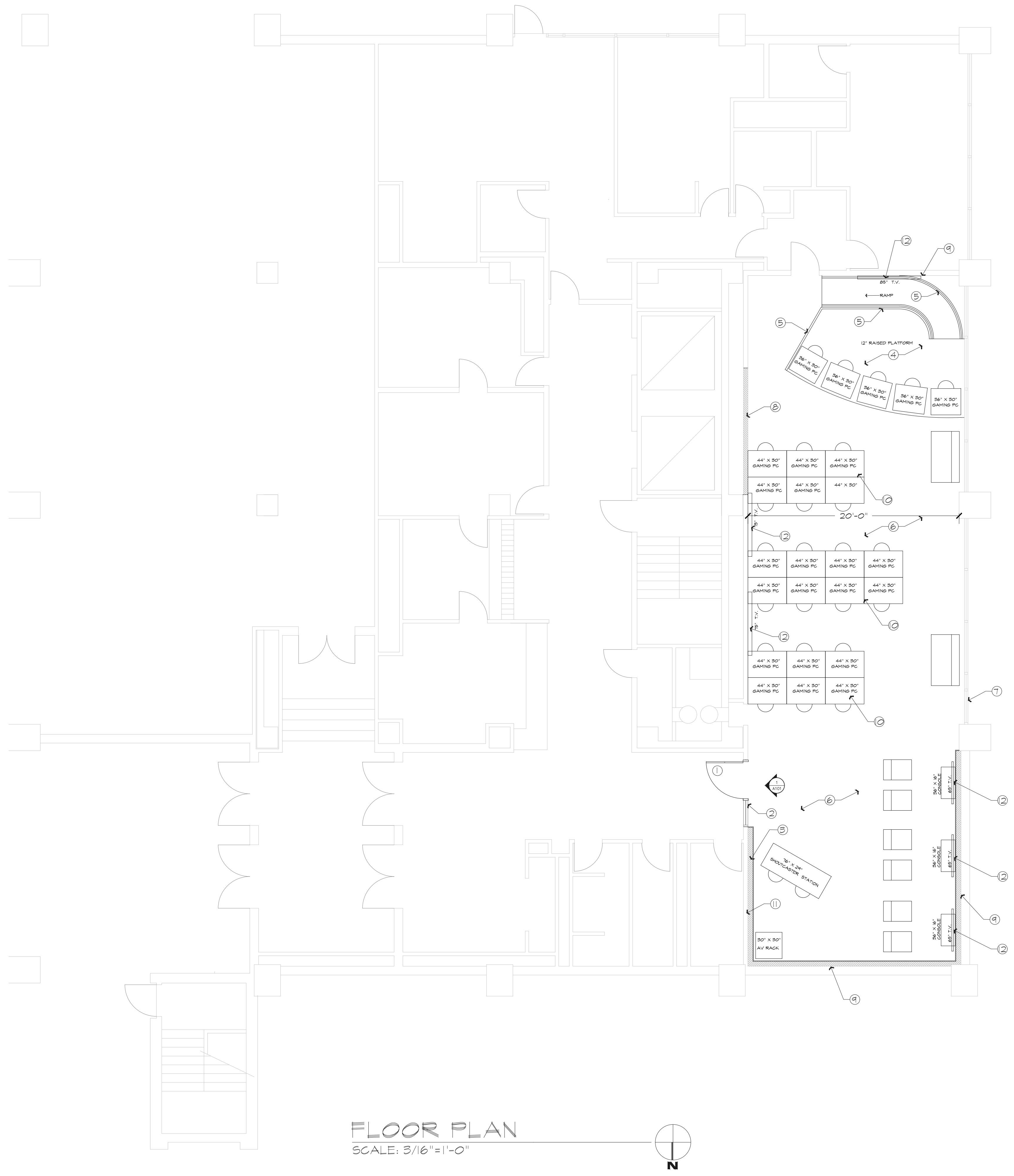


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RENOVATIONS FOR ESPORTS
JONES HALL LOUNGE
FLOOR PLAN BASE BID FURNITURE LAYOUT

FILENAME:	
PROPERTY NO.:	
REVISIONS	
1	
2	
DATE:	3/28/2024
SCALE:	3/16"=1'-0"
DRAWN BY:	S. TILLMAN
CHECKED BY:	B. DUNCAN
APPROVED BY:	
PROJECT NO.:	

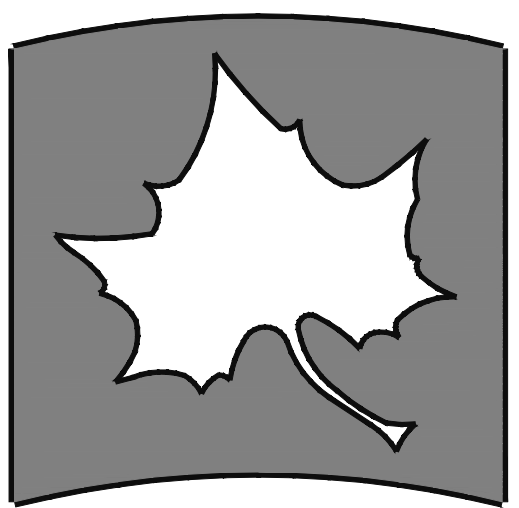
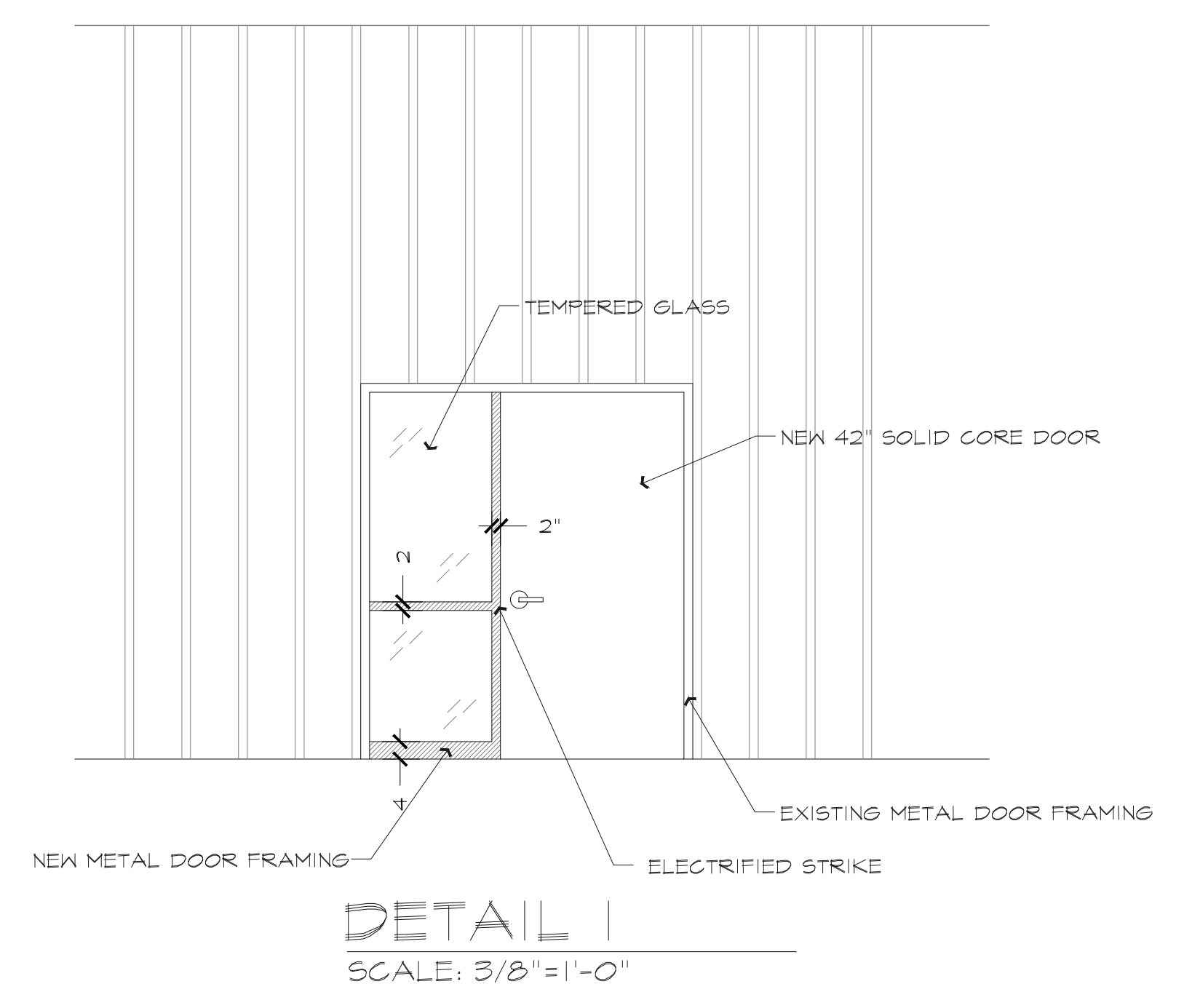
SHEET NO.
A100
OF SHEETS



FLOOR PLAN
SCALE: 3/16"=1'-0"

ALTERNATE #1 BID PLAN

- PLAN NOTES:**
- ① INSTALL A NEW 42" SOLID CORE WOOD DOOR IN FINISH TO MATCH EXISTING. SIZE DOOR HEIGHT AND HINGES TO MATCH WITH EXISTING METAL FRAME.
 - ② INSTALL A METAL FRAME MULLION SIDELIGHT TO EXISTING METAL FRAME.
 - ③ INSTALL A 5 5/8" METAL STUD WALL TO 10'-0" WITH 5/8" DRYWALL. INSTALL WOOD BLOCKING WHERE NEW T.V.'S ARE TO BE MOUNTED. THIS SHALL BE BID AS ALTERNATE #3
 - ④ CONSTRUCT A WOOD FRAMED PLATFORM AND RAMP WITH 3/4" PLYWOOD DECKING. INSTALL CARPETING OVER PLATFORM AND RAMP. RISER PLATFORM SIDES TO BE LAMINATED IN COLOR TO BE SELECTED.
 - ⑤ INSTALL A METAL RAILING AND GUARD RAIL.
 - ⑥ REMOVE EXISTING CARPETING COMPLETE. INSTALL NEW CARPET TILE FLOORING AS "MILLIKEN" 'LOUDSPEAKER' COLOR: BLUE CHROMA # TWE 52. INSTALL 6" BLACK VINYL BASE ON DRYWALL WALLS ONLY.
 - ⑦ REMOVE EXISTING DOOR HARDWARE AND SECURE TO FIXED CLOSED POSITION
 - ⑧ INSTALL SALVAGED ROUGH SAWN WOOD PLANKS TO MATCH WITH EXISTING WALL SIDING.
 - ⑨ REMOVE EXISTING SISAL AND WOOD TRIM COMPLETE. PREP WALLS FOR NEW FINISH AS REQUIRED.
 - ⑩ ALTERNATE FURNITURE LAYOUT TO BE BID AS PART OF ALTERNATE #1
 - ⑪ REMOVE AND SALVAGE EXISTING ROUGH SAWN BOARDS THAT ARE WHERE THE METAL STUD WALL WILL BE CONSTRUCTED.
 - ⑫ ISU TO PROVIDE T.V.'S AND T.V. MOUNTS. CONTRACTOR WILL INSTALL THE MOUNTS AND T.V.'S AS PER PLAN LOCATIONS. FIELD VERIFY EXACT HEIGHTS OF T.V.'S WITH OWNER PRIOR TO INSTALLATION OF REQUIRED BLOCKING.



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RENOVATIONS FOR ESPORTS
JONES HALL LOUNGE
ALTERNATE FLOOR PLAN BID #1

FILENAME:	
PROPERTY NO.:	
REVISIONS	
1	
2	
DATE:	3/28/2024
SCALE:	3/16"=1'-0"
DRAWN BY:	S. TILLMAN
CHECKED BY:	B. DUNCAN
APPROVED BY:	
PROJECT NO.:	

SHEET NO.
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OF SHEETS

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CERTIFIED BY:



Daniel E. Dimond

REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/H	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002

SHEET DESCRIPTION:

FIRST FLOOR PLAN - POWER/SYSTEMS DEMOLITION

SHEET NUMBER:

ED211

DEMOLITION LEGEND:

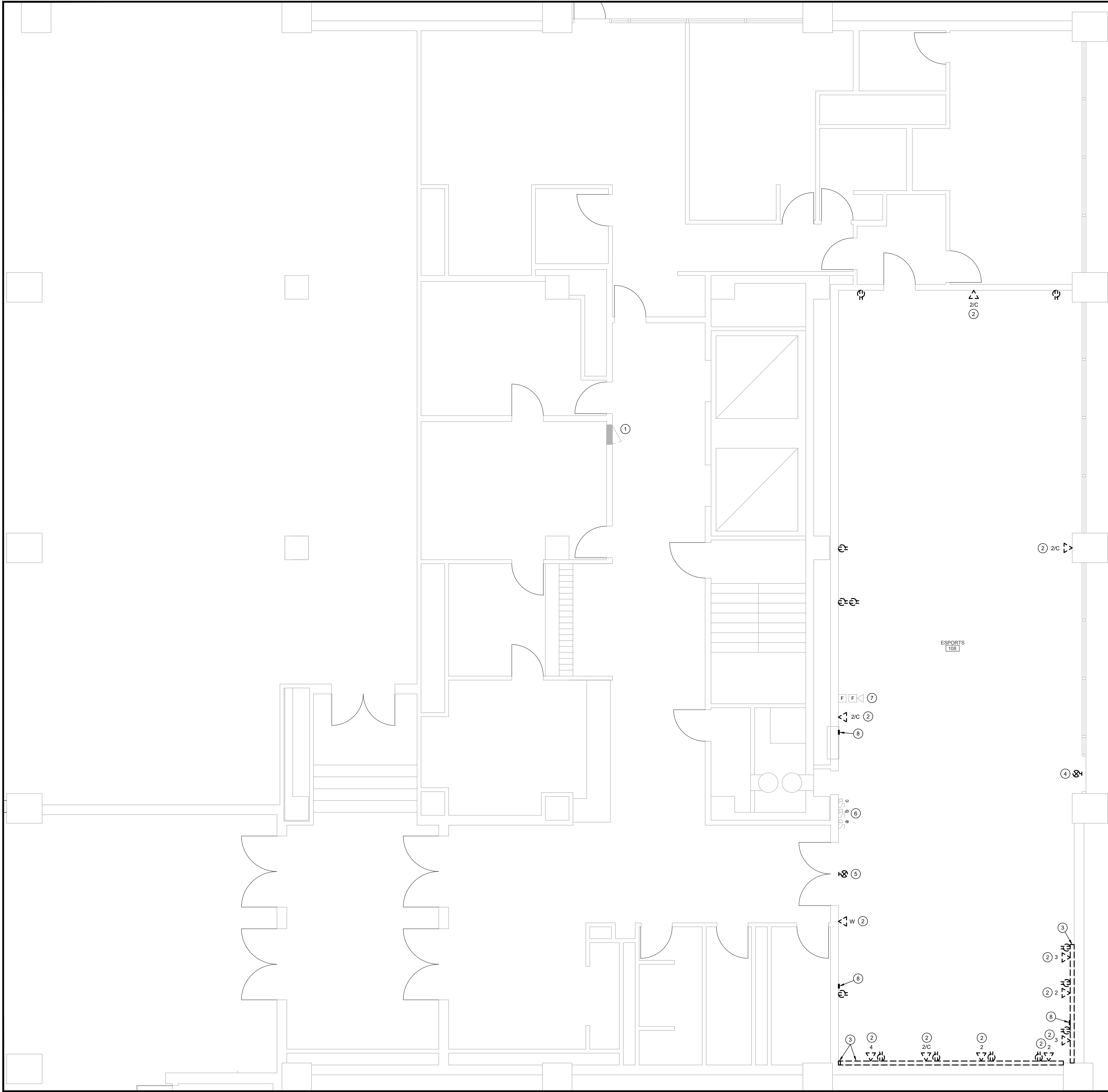
- EXISTING WORK TO BE REMOVED
- EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES.
2. IT IS BELIEVED THAT RECEPTACLES THAT ARE SHOWN TO BE REMOVED ARE FED FROM EXISTING PANEL '1L'. VERIFY.

PLAN NOTES

- ① EXISTING PANEL '1L' TO REMAIN.
- ② REMOVE CABLING BACK TO EXISTING TELECOM RACK IN 5TH FLOOR TELECOM ROOM. REMOVE ANY SURFACE RACEWAY.
- ③ REMOVE TWO-COMPARTMENT SURFACE RACEWAY AND ALL ASSOCIATED DEVICES AND WIRING.
- ④ REMOVE EXIT LIGHT AND ALL WIRING AND RACEWAY.
- ⑤ REMOVE EXIT LIGHT AND PREPARE WIRING FOR REUSE.
- ⑥ DIMMER SWITCHES TO REMAIN.
- ⑦ FIRE ALARM DEVICES TO RELOCATED. SEE E211.
- ⑧ REMOVE BLANK COVER AND ANY ASSOCIATED WIRING.



FIRST FLOOR PLAN - POWER/SYSTEMS DEMOLITION

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



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Daniel E. Dimond

REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/H	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002

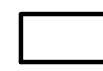

SHEET DESCRIPTION:

BASEMENT FLOOR PLAN - ELECTRICAL

SHEET NUMBER:

E200

RENOVATION LEGEND:

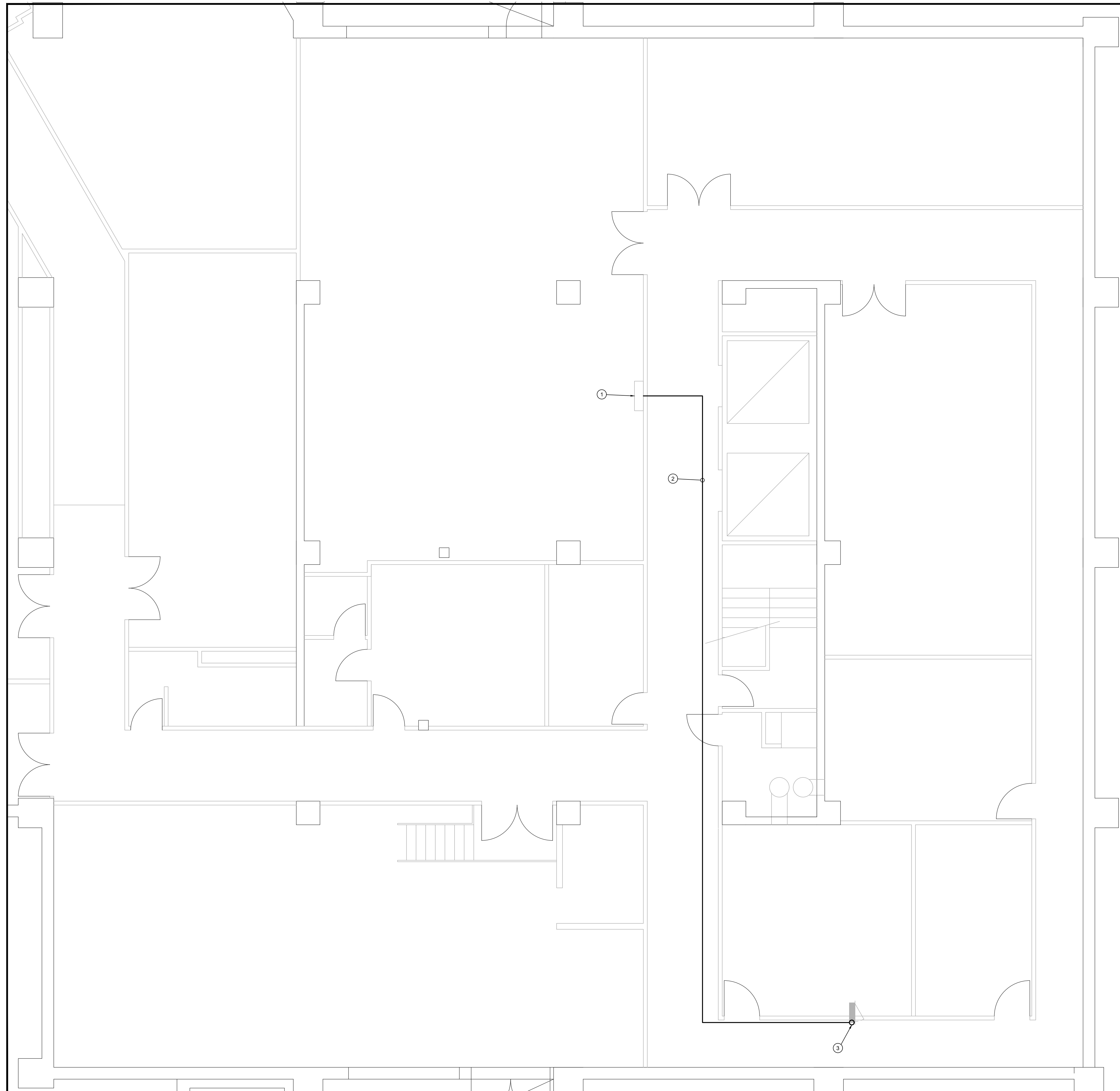
-  WORK TO BE INSTALLED
-  EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES.

PLAN NOTES

- ① EXISTING DISTRIBUTION PANEL 'FF'. CONNECT NEW FEEDER TO EXISTING SPARE 100A-3P FUSIBLE SWITCH. PROVIDE 100A FUSES. VERIFY SWITCH OPERATION AND PROVIDE ROUTINE MAINTENANCE. 208Y/120V-3Ø-4W.
- ② PROVIDE NEW 100A FEEDER TO NEW PANEL 'ES' LOCATED ON FIRST FLOOR. SEE E211. 4#3, 1#ØG, 1-1/4"Ø. ROUTE ABOVE LAY-IN CEILING.
- ③ UP TO PANEL 'ES'.



BASEMENT FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"
PLAN NORTH

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CERTIFIED BY:



Daniel E. Dimond

REVISIONS:

NO.	DESCRIPTION	DATE

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN



DRAWN BY:	DW/H	DESIGNED BY:	DW
SCALE:	AS NOTED	CHECKED BY:	DW
DATE:	4/5/2024	JOB NO.:	D.A. #24002

SHEET DESCRIPTION:

FIRST FLOOR PLAN - LIGHTING

SHEET NUMBER:

E201

RENOVATION LEGEND:

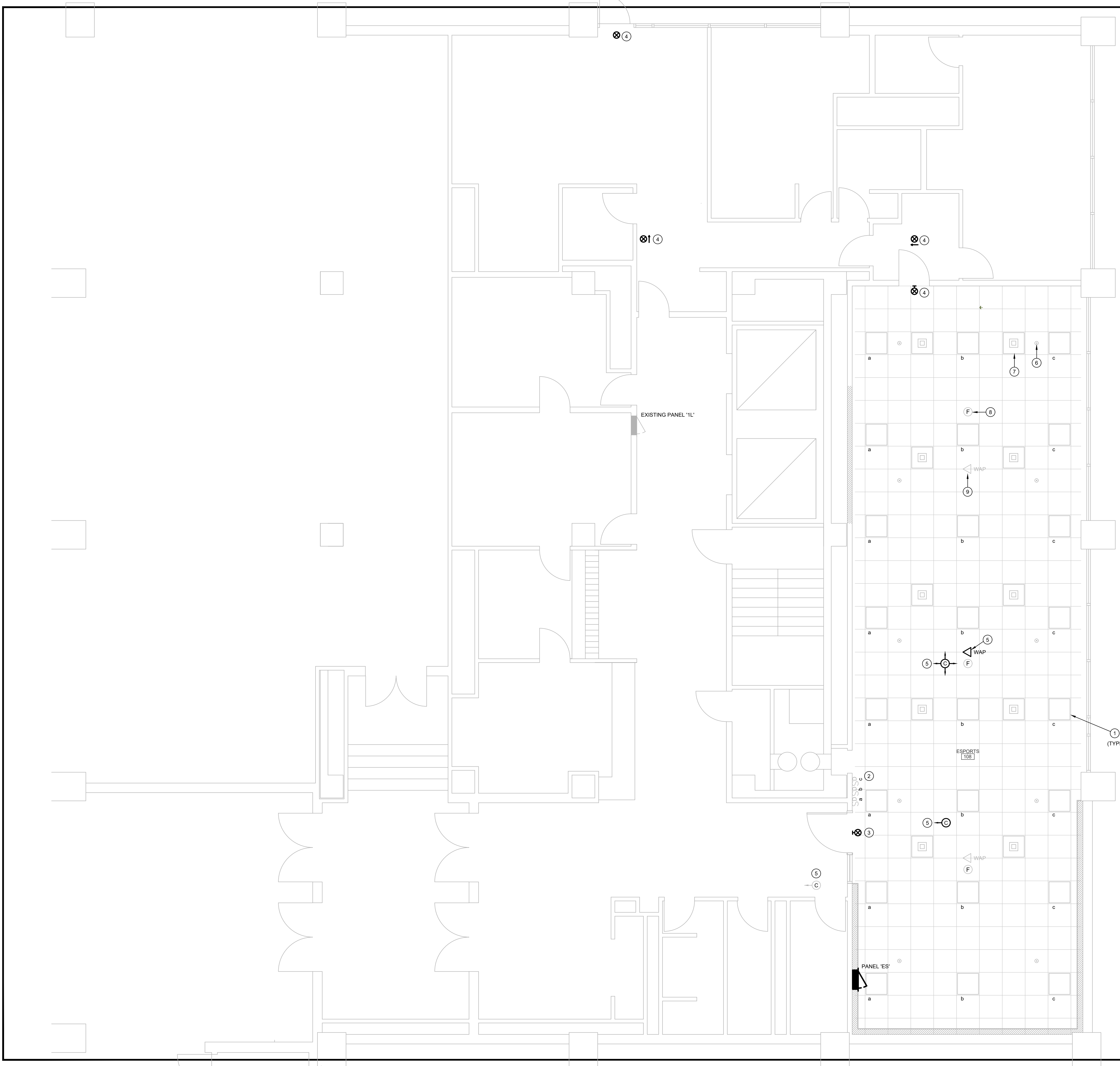
- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWING XXXX FOR GENERAL NOTES.

PLAN NOTES

- ① EXISTING LIGHTING TO REMAIN. FED FROM EXISTING PANEL '1L'.
- ② EXISTING DIMMERS TO REMAIN.
- ③ PROVIDE EXIT LIGHT (SEE SPECS) AND CONNECT TO EXISTING EMERGENCY CIRCUIT.
- ④ PROVIDE EXIT LIGHT (SEE SPECS) AND EXTEND EXISTING EMERGENCY CIRCUIT. REMOVE AND REPLACE EXISTING CEILING AS REQUIRED.
- ⑤ SEE T201 FOR SCOPE OF WORK FOR SECURITY CAMERAS AND WIRELESS ACCESS POINTS. (SHOWN HERE FOR REFERENCE OF LOCATION.)
- ⑥ TYPICAL EXISTING SPRINKLER HEAD TO REMAIN.
- ⑦ TYPICAL EXISTING HVAC DIFFUSER TO REMAIN.
- ⑧ TYPICAL EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR TO REMAIN.
- ⑨ TYPICAL EXISTING WIRELESS ACCESS POINT TO REMAIN.



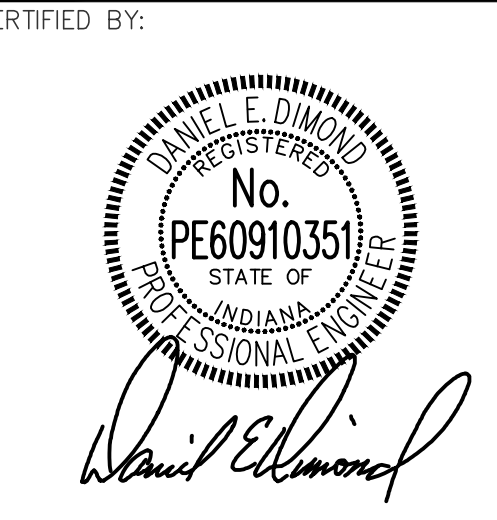
FIRST FLOOR PLAN - LIGHTING

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



PLAN NORTH

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PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY:	DW/VH	DESIGNED BY:	DW
SCALE:	AS NOTED	CHECKED BY:	DW
DATE:	4/5/2024	JOB NO.:	D.A. #24002

SHEET DESCRIPTION:

FIRST FLOOR PLAN - POWER

SHEET NUMBER:

E211

RENOVATION LEGEND:

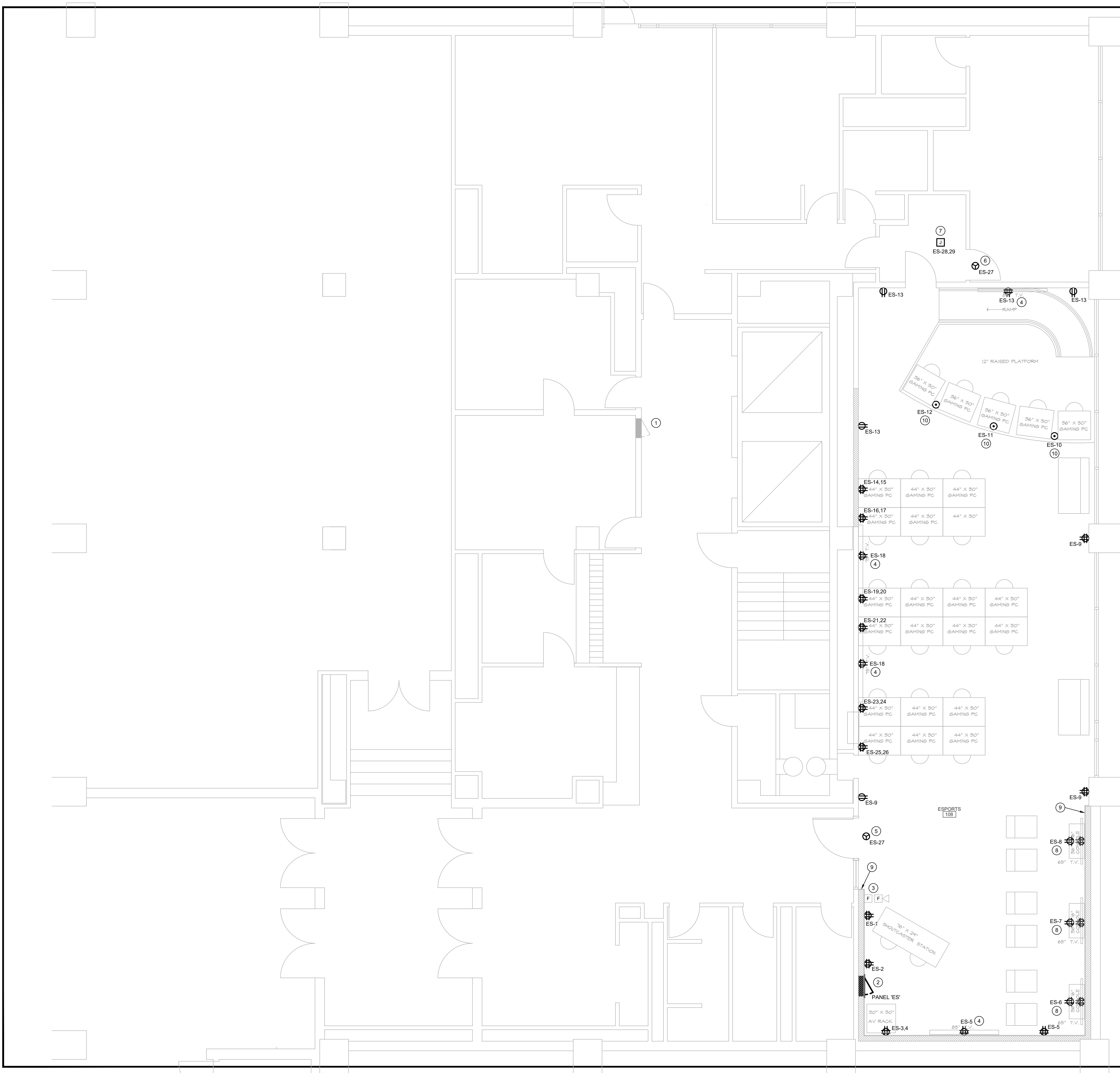
- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

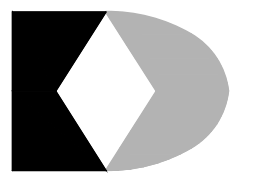
1. SEE DRAWING E001 FOR GENERAL NOTES.

PLAN NOTES

1. EXISTING PANEL '1L'.
2. PROVIDE PANEL 'ES'. SEE E200 FOR FEEDER. PANEL SHALL BE 100 AMP, 208Y/120V-3Ø-4W WITH 100A-3P MAIN BREAKER, (3Ø) 20A-1P BRANCH BREAKERS, INTEGRAL TVSS, 22 KVAID. BASE BID = SURFACE MOUNT. ALTERNATE BID (STUD WALL) = FLUSH MOUNT. VERIFY EXACT LOCATION OF PANEL WITH OWNER.
3. INSTALL SALVAGED FIRE ALARM DEVICES. EXTEND EXISTING WIRING. SEE ED211.
4. COORDINATE MOUNTING HEIGHT OF DEVICES AT TV LOCATION WITH OWNER.
5. PROVIDE 120V TO DOOR ACCESS CONTROL POWER SUPPLY.
6. PROVIDE 120V FOR FUTURE DOOR ACCESS CONTROL POWER SUPPLY.
7. PROVIDE (2) 120V CIRCUITS FOR FUTURE USE.
8. PROVIDE ONE QUAD RECEPTACLE AT STANDARD HEIGHT AND THE OTHER QUAD RECEPTACLE AT TV HEIGHT (COORDINATE MOUNTING HEIGHT WITH OWNER), BOTH ON THE SAME CIRCUIT THATS INDICATED.
9. NEW METAL STUD WALL WITH DRYWALL, AS SHOWN, SHALL BE PART OF AN ALTERNATE BID. AS PART OF THAT ALTERNATE, ALL ELECTRICAL COMPONENTS SHALL BE FLUSH MOUNTED WITH CONCEALED RACEWAYS AND BOXES. UNDER BASE BID, THE EXISTING WALL WILL BE LEFT EXPOSED. AS PART OF BASE BID, ALL ELECTRICAL COMPONENTS SHALL BE SURFACE MOUNTED.
10. PROVIDE A LEGRAND EVOLUTION 'EFB' SERIES FLOOR BOX IN THE RAISED PLATFORM. BOX SHALL HAVE BLACK COVER AND QUANTITY OF GANGS AS REQUIRED TO ACCOMMODATE ALL POWER, TELECOM, AND AV DEVICES AND WIRING. SEE 'S' SERIES DRAWINGS. PROVIDE TWO (2) DUPLEX RECEPTACLES. VERIFY EXACT LOCATION OF BOX WITH OWNER, FURNITURE, AND FRAMING.



FIRST FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"
PLAN NORTH

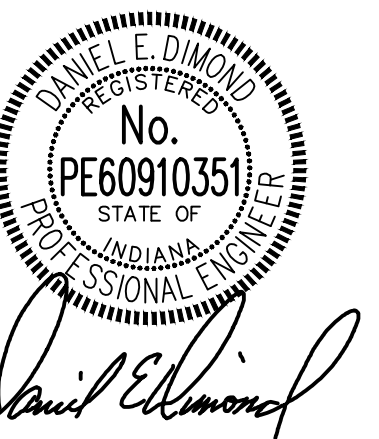


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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

**RENOVATIONS
FOR ESPORTS
JONES HALL**

**INDIANA
STATE
UNIVERSITY**

**TERRE HAUTE,
INDIANA**

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/VH	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002

SHEET DESCRIPTION:

**BASEMENT
FLOOR PLAN -
MECHANICAL**

SHEET NUMBER:

M200

RENOVATION LEGEND:

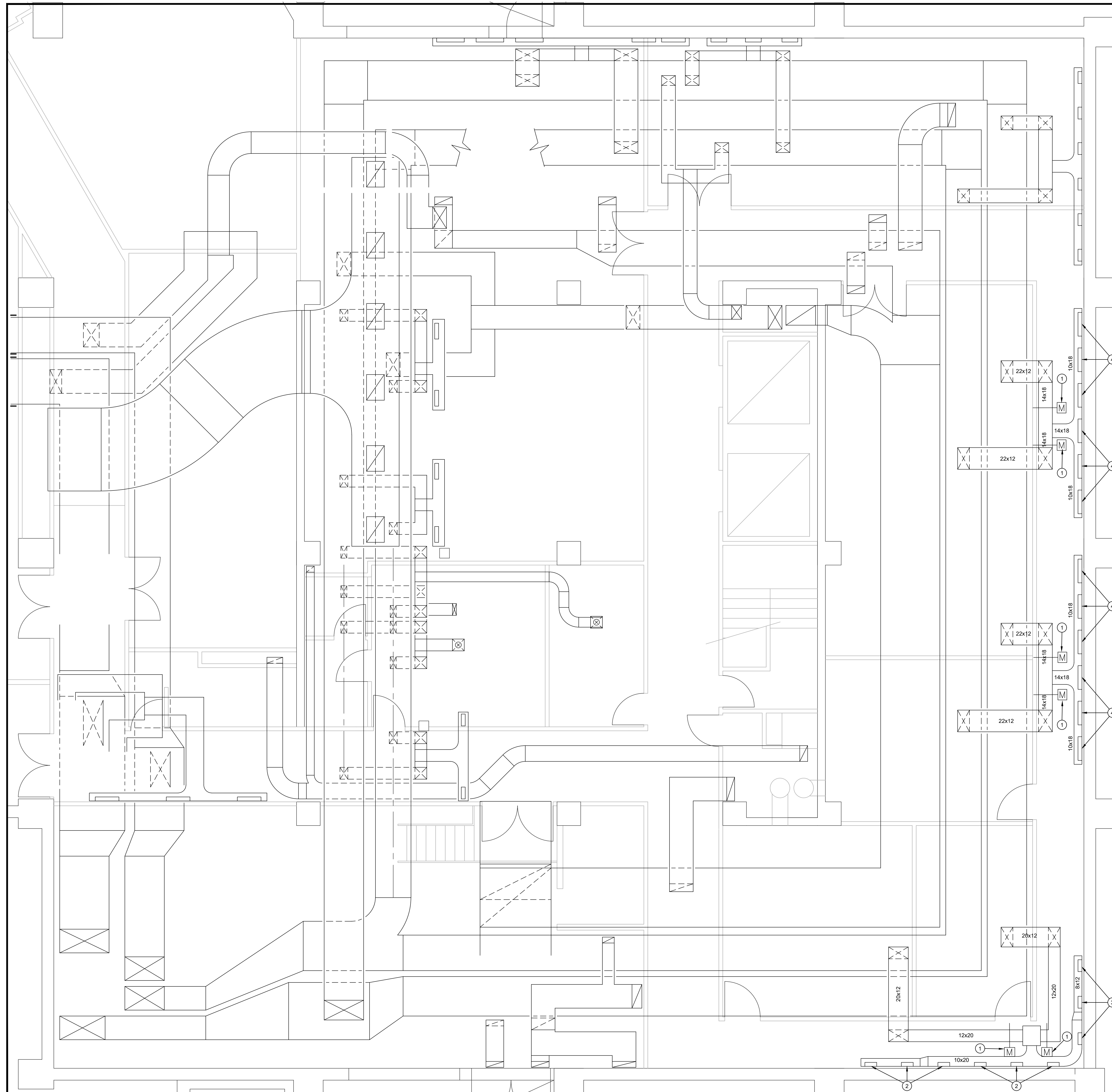
- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

1. ALL DUCTWORK SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. SHOWN FOR REFERENCE. VERIFY.

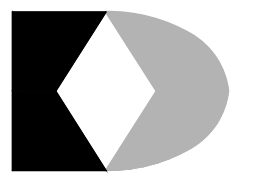
PLAN NOTES

1. VERIFY PROPER OPERATION OF HOT DECK AND COLD DECK MOTORIZED DAMPERS AND ASSOCIATED CONTROLS. REPORT ANY ISSUES TO OWNER.
2. EXISTING 4x13 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB TO REMAIN. CLEAN DUCT BACK TO DAMPERS.
3. EXISTING 4x12 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB TO REMAIN. CLEAN DUCT BACK TO DAMPERS.
4. EXISTING 4x20 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB TO REMAIN. CLEAN DUCT BACK TO DAMPERS.



**BASEMENT FLOOR PLAN -
MECHANICAL**
SCALE: 1/4" = 1'-0"



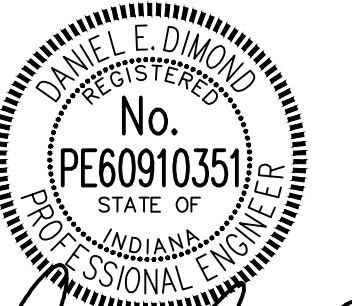


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CERTIFIED BY:



Daniel E. Dimond

REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

**RENOVATIONS
FOR ESPORTS
JONES HALL**

**INDIANA
STATE
UNIVERSITY**

**TERRE HAUTE,
INDIANA**

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY:	DW/H	DESIGNED BY:	DW
SCALE:	AS NOTED	CHECKED BY:	DW
DATE:	4/5/2024	JOB NO.:	D.A. #24002

SHEET DESCRIPTION:

**FIRST FLOOR PLAN -
MECHANICAL**

SHEET NUMBER:

M201

RENOVATION LEGEND:

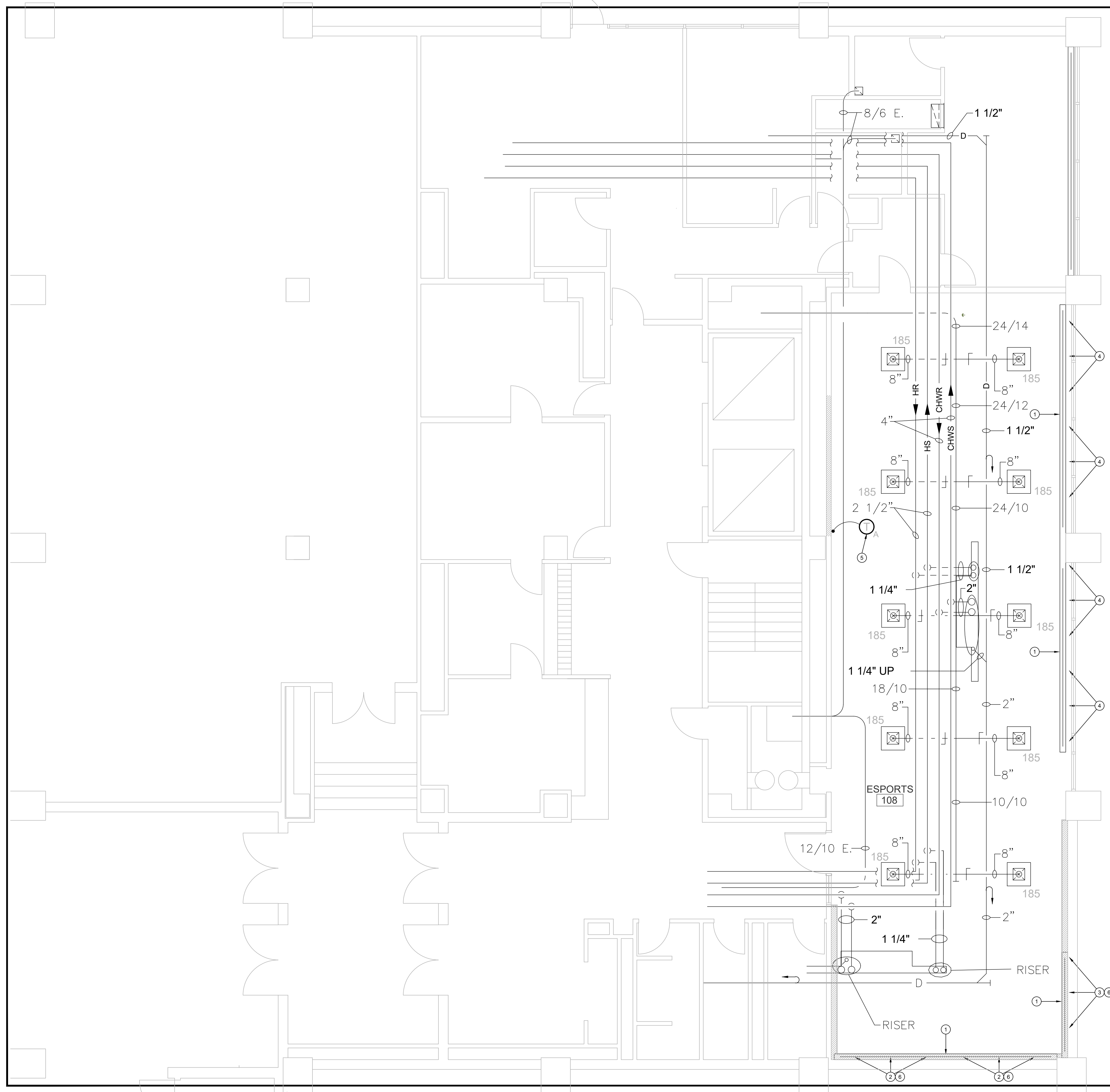
- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

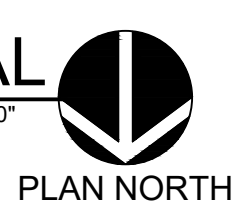
1. ALL DUCTWORK AND PIPING SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. SHOWN FOR REFERENCE. VERIFY.

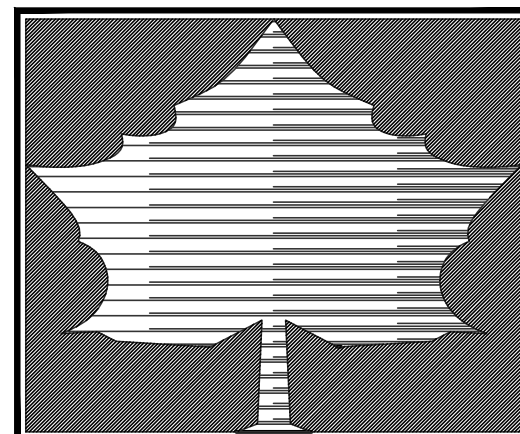
PLAN NOTES

1. REMOVE EXISTING FLOOR MOUNTED BASEBOARD DIFFUSER. PREPARE FLOOR FOR NEW FLOOR COVERING. CLEAN DUCTWORK. SEE M200. PREPARE EXISTING DUCTWORK FROM BELOW TO RECEIVE NEW LINEAR BAR GRILLE.
2. EXISTING 4x13 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB FROM BELOW TO REMAIN. CLEAN DUCT BACK TO DAMPERS IN BASEMENT. AFTER REMOVAL OF EXISTING BASEBOARD DIFFUSER, INVESTIGATE DUCT FOR RECEIVING A NEW LINEAR BAR GRILLE. MODIFY AS REQUIRED. GRILLE SHALL BE PRICE LBPH-25C SERIES, WITH 0° DEFLECTION BARS, PENCIL PROOF SPACING, HEAVY DUTY FLANGED BORDER, 4" - TYPE 1000 (VERIFY), 160 CFM, 28 NC. COORDINATE FASTENING IN FIELD. BLACK ANODIZED FINISH.
3. EXISTING 4x12 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB FROM BELOW TO REMAIN. CLEAN DUCT BACK TO DAMPERS IN BASEMENT. AFTER REMOVAL OF EXISTING BASEBOARD DIFFUSER, INVESTIGATE DUCT FOR RECEIVING A NEW LINEAR BAR GRILLE. MODIFY AS REQUIRED. GRILLE SHALL BE PRICE LBPH-25C SERIES, WITH 0° DEFLECTION BARS, PENCIL PROOF SPACING, HEAVY DUTY FLANGED BORDER, 4" - TYPE 1000 (VERIFY), 160 CFM, 28 NC. COORDINATE FASTENING IN FIELD. BLACK ANODIZED FINISH.
4. EXISTING 4x20 BRANCH DUCT PENETRATIONS UP THRU FLOOR SLAB TO REMAIN. CLEAN DUCT BACK TO DAMPERS IN BASEMENT. AFTER REMOVAL OF EXISTING BASEBOARD DIFFUSER, INVESTIGATE DUCT FOR RECEIVING A NEW LINEAR BAR GRILLE. MODIFY AS REQUIRED. GRILLE SHALL BE PRICE LBPH-25C SERIES, WITH 0° DEFLECTION BARS, PENCIL PROOF SPACING, HEAVY DUTY FLANGED BORDER, 4" - TYPE 1000 (VERIFY), 160 CFM, 28 NC. COORDINATE FASTENING IN FIELD. BLACK ANODIZED FINISH.
5. REWORK EXISTING THERMOSTAT AS REQUIRED FOR NEW WALL CONSTRUCTION.
6. FOR THE ALTERNATE BID TO INSTALL A STUD WALL IN THIS AREA. EXTEND THE EXISTING DUCTWORK IN THE WALL CAVITY AND INSTALL THE GRILLE IN THE WALL JUST ABOVE THE BASEBOARD. WILL NEED TO COORDINATE WITH FIELD CONDITIONS AND FURNITURE. WILL REQUIRE SOME HORIZONTAL DUCTWORK.



FIRST FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"





INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

COMMUNICATIONS STANDARDS

RENOVATIONS FOR ESPORTS
JONES HALL
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA
(ISU Bid No. B0028353)

DA#24002

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PROJECT DATE: June 2011
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Keyplan

LEGEND

ISU-T-001

SYMBOL	DEFINITION	SYMBOL	DEFINITION	SYMBOL	DEFINITION	SYMBOL	DEFINITION	SYMBOL	DEFINITION	SYMBOL	DEFINITION	SYMBOL	DEFINITION
1 ACC	Administrative Control Console	21 CAN	Campus Area Network	41 DVR	Digital Video Recorder	61 IPX	Internal Packet Exchange	81 MODEM	Modulator/Demodulator	101 RFI	Request For Information/ Radio Frequency	121 RFI	Request For Information/ Radio Frequency
2 ADA	Americans with Disabilities Act	22 CATV	Community Antenna Television	42 EC	Electrical Contractor	62 ISDN	Integrated Services Digital Network	82 ms	millisecond	102 RFP	Request For Proposal	122 RFP	Request For Proposal
3 AFI	Above Finished Floor	23 CCIT	Consultative Committee for International Closed Circuit Television	43 EF	Entrance Facility	63 ISO	International Organization for Standardization	83 MTF	Mean Time Between Failures	103 RFD	Request For Quotation	123 RFD	Request For Quotation
4 AFG	Above Finished Grade	24 CCTV	Closed Circuit Television	44 EGP	Exterior Gateway Protocol	64 ISP	Internet Service Provider	84 MPLS	Multi Protocol Label Switching	104 RFR	RF Equipment Rack	124 RFR	RF Equipment Rack
5 AFI	Above Finished Slope Floor	25 CDDI	Copper Distributed Data Interface	45 EA	Electronics Industries Association	65 LAN	Local Area Network	85 OC	Optical Carrier	105 RIF	Routing Information Protocol	125 RIF	Routing Information Protocol
6 AM	Amplitude Modulation	26 CH	Counter Height	46 EMI	Electromagnetic Interference	66 LANE	LAN Emulation	86 OFE	Owner Furnished Equipment	106 RMON	Remote Monitor	126 RMON	Remote Monitor
7 ANSI	American National Standards Institute	27 CLCE	Compulsive Local Exchange Carrier	47 ER	Equipment Room	67 LASER	Light Amplification by Stimulated Emission of Radiation	87 DGI	Owner Furnished, Owner Installed	107 ROM	Read Only Memory	127 ROM	Read Only Memory
8 ASME	American Society of Mechanical Engineers	28 CPE	Customer Premises Equipment	48 ETSI	European Telecommunications Standards	68 LAT	Local Area Transport	88 OSI	Open Systems Interconnection	108 SBB	Security system BackBoard	128 SBB	Security system BackBoard
9 ASTM	American Society of Testing Materials	29 CPU	Central Processing Unit	49 FB	Fiber Box	69 LAIA	Local Access and Transport Area	89 PAN	Personal Area Network	109 SC	Sound Cabinet; screw cover	129 SC	Sound Cabinet; screw cover
10 ATM	Asynchronous Transfer Mode	30 CSA	Canadian Standards Association	50 FCC	Federal Communications Commission	70 IEC	Local Exchange Carrier	90 PAN	Public Address Rack	110 SCR	Security Equipment Rack	130 SCR	Security Equipment Rack
11 AVF	Audio Visual Rack	31 CSMA/CA	Carrier-Sense Multiple Access with Collision Avoidance	51 FDDI	Fiber Distributed Data Interface	71 IED	Light Emitting Diode	91 PAT	Pay Telephone Location	111 SJB	Speaker Junction Box	131 SJB	Speaker Junction Box
12 AWG	American Wire Gauge	32 CSMA/CD	Carrier-Sense Multiple Access/Collision Detection	52 GAN	Global Area Network	72 LI	Local (AV) Input	92 ppt	Pockets Per Second	112 SCJB	Security Camera Junction Box	132 SCJB	Security Camera Junction Box
13 ANSI	American National Standards Institute	33 CSU	Channel Service Unit	53 GB	Gigabyte	73 LO	Local (AV) Output	93 PR	Primary Rate Interface	113 SMP	Simple Main Transfer Protocol	133 SMP	Simple Main Transfer Protocol
14 BCF	Border (Boundary) Gateway Protocol	34 CI	Communications Interface	54 GB/s	Gigabits per second	74 MAC	Media Access Control	94 PSN	Public Switched Telephone Network	114 SNA	Systems Network Architecture	134 SNA	Systems Network Architecture
15 BICSI	Building Industry Consulting Services	35 CTC	Communications Technology Contractor	55 GHz	Gigahertz	75 MAN	Metropolitan Area Network	95 QoS	Quality of Service	115 SNMP	Simple Network Management Protocol	135 SNMP	Simple Network Management Protocol
16 BIT	Binary digit	36 DB	Digital Subscriber Line	56 HC	Horizontal Cross-connect	76 MB	Mega Byte	96 RAID	Random Array of Inexpensive Disks	116 SONET	Synchronous Optical Network	136 SONET	Synchronous Optical Network
17 BOM	Bill of Material	37 DSI	Digital Subscriber Line	57 IC	Intermediate Cross-connect	77 MB/s	Megabits per second	97 RAM	Random Access Memory	117 SP	Service Provider (Also Local Service Provider)	137 SP	Service Provider (Also Local Service Provider)
18 BPS	Bits per second	38 DSU	Data Service Unit/Digital Service Unit	58 IDT	Intermediate Distribution Frame (Replaced by IDF)	78 MC	Main Cross-connect	98 RBC	Regional Bell Operating Company	118 SR	Strike Release - Door	138 SR	Strike Release - Door
19 BR	Basic Rate Interface (ISDN)	39 DTE	Data Terminal Equipment	59 IEEE	Institute of Electrical and Electronics Engineers	79 MD	Main Distribution Frame (Also see ER)	99 RF	Radio Frequency	119 SSR	Sound System Rack	139 SSR	Sound System Rack
20 CAD	Computer Aided Design	40 DTR	Data/Telecommunications Rack	60 IP	Internet Protocol	80 MHz	Megahertz	100 RFC	Request For Comment	120 TAAC	To Above Accessible Ceiling	140 TAAC	To Above Accessible Ceiling

COMMUNICATION TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION	ROUGH-IN	SEE NOTE (2)	WIRE WAY	NOTES
TELECOMMUNICATIONS (VOICE, DATA, AND VIDEO)					
W	VOICE OUTLET, WALL MOUNTED TELEPHONE	1-GANG BOX	48" AFF	1" CONDUIT TAAC	* MOUNTING HEIGHT SUBJECT TO ADA REQUIREMENTS. WALL PHONE AND EMERGENCY CALL STATION ARE OWNER PROVIDED.
EC	W = DENOTES WALL TELEPHONE USE. UDN ONE 4 PR UTP, EC = EMERGENCY CALL STATION				
X	EQUIPMENT OUTLET	2-GANG BACK BOX, DEEP	COUNTER HEIGHT	1" CONDUIT TAAC	EQUIPMENT CONNECTION; COORDINATE LOCATION WITH ACCESS TO ELECTRICAL POWER OUTLET
X	DATA OUTLET	2-GANG BACK BOX, DEEP LI OPTION X = DENOTES QUANTITY OF CABLES, MINIMUM 1-DATA CABLE, D = DATA CABLE	18" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC	WHEN "X" SUBSCRIPT IS USED WITH THIS SYMBOL PROVIDE ALL ADDITIONAL CABLING AND CONNECTIVITY AS INDICATED ON DETAILS.
WAP	WIRELESS ACCESS POINT	1-GANG BACK BOX WHEN WALL MOUNTED CEILING MOUNTED LOCATIONS SHALL INCLUDE A CABLE SUPPORT WAP = DENOTES SPECIAL USE, MINIMUM 1 DATA CABLE, D = DATA CABLE	SEE NOTES	3/4" CONDUIT TAAC	WALL MOUNTED VERSIONS OF THIS DEVICE SHALL BE INSTALLED 84" AFF OR 6" BELOW FINISHED CEILING, WHICHEVER IS HIGHER. PROVIDE 1 WAP PER EACH DIRECTLY TO DEVICE WHEN INSTALLED
X	SPECIAL SUBSCRIPT DEFINITIONS	1-GANG BACK BOX, DEEP LI OPTION 3-GANG BACK BOX, 3-1/2" DEEP B = BLANK COVER PLATE, NO CONNECTORS OR CABLES LI = LOCAL AV INPUT OPTION (SEE SPECS AND DETAILS) LO = LOCAL OUTPUT; SPECIFIC LOCATION FOR TERMINATION OF LI CABLES (SEE SPECS AND DETAILS) FO = ADD ONE PAIR OF 50/125 MM FIBER OPTIC CABLE (SEE SPECS AND DETAILS)	18" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC LI OPTION (3) 1" CONDUITS TAAC	WHEN "X" SUBSCRIPT IS USED WITH THIS SYMBOL PROVIDE ALL ADDITIONAL CABLING AND CONNECTIVITY AS INDICATED ON DETAILS.
TV	TELEVISION OUTLET - WALL MOUNTED	2-GANG BACK BOX, DEEP LI OPTION 3-GANG DEVICE BOX, 3-1/2" DEEP	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC LI OPTION (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	TELEVISION OUTLET CEILING HUNG	ABOVE CEILING CABLE SUPPORT; DISCREET CABLES TO PASS THROUGH MOUNTING STEM TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC LI OPTION (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	VIDEO PROJECTOR LOCATION - CEILING MOUNTED	ABOVE CEILING CABLE SUPPORT; DISCREET CABLES TO PASS THROUGH MOUNTING STEM TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC LI OPTION (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	VIDEO PROJECTOR LOCATION - OUTLET (PORTABLE USE)	2-GANG BACK BOX, DEEP LI OPTION 3-GANG DEVICE BOX, 3-1/2" DEEP	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 1/2" CONDUIT TAAC LI OPTION (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	TELECOMMUNICATIONS ACTIVE CEILING ENCLOSURE	SEE SPECIFICATIONS; MOUNTS IN 2' X 2' ACCESSIBLE CEILING TILE GRID	84" AFF	TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	SPECIAL USE (VP, WAP, ETC.) ACTIVE CEILING ENCLOSURE	SEE SPECIFICATIONS; MOUNTS IN 2' X 2' ACCESSIBLE CEILING TILE GRID	84" AFF	TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
TV	TELE-POWER POLE	SEE NOTES	COORDINATE FOR POWER CONNECTION WITH E.C.	SEE NOTES	
X	X = DENOTES QUANTITY OF CABLE.				
●	CONNECTION TO SYSTEM FURNITURE - WALL	MULTI-GANG BACK BOX, MINIMUM 2-1/2" DEEP WITH FURNITURE WHIP ASSEMBLY	18" AFF COORDINATE WITH FURNITURE / CASEWORK	PROPERLY SIZED FOR QUANTITY OF CABLES DESIRED (40% FILL)	PROVIDE FURNITURE WHIP ASSEMBLY TO THE SYSTEM FURNITURE. COORDINATE WITH FURNITURE SYSTEM.
●	CONNECTION TO SYSTEM FURNITURE - FLOOR	SEE SPECIFICATIONS AND DETAILS FOR FLOOR BOX TYPE WITH FURNITURE WHIP ASSEMBLY		PROPERLY SIZED FOR QUANTITY OF CABLES DESIRED (40% FILL)	PROVIDE FURNITURE WHIP ASSEMBLY TO THE SYSTEM FURNITURE. COORDINATE WITH FURNITURE SYSTEM.
FBX	FLOOR BOX, MULTI-FUNCTION COMMUNICATIONS BOX	SEE DETAILS FOR ADDITIONAL REQUIREMENTS		FLUSH IN FINISHED FLOOR	(3) 1-1/4" CONDUIT AND (2) 3/4" CONDUIT TAAC
X	FLOOR OUTLET - POKE THROUGH	SEE SPECS AND DETAILS			
X	X = DENOTES QUANTITY OF CABLES.				
SECURITY					
DS	DOOR STATUS CONTACT(S)	N/A	TOP OF DOOR FRAME	3/4" CONDUIT TAAC	PROVIDE TWO INDEPENDENT CONTACTS ON DOUBLE DOORS. ADJACENT DOORS MAY SHARE THE SAME ROUGH-IN IF CONSTRUCTION ALLOWS.
PR	PROXIMITY READER	1-GANG BOX, 3 1/2" DEEP	48" AFF	1" CONDUIT TAAC	
DR	ACCESS CONTROL SYSTEM, DOOR RELEASE SWITCH	1-GANG BOX	48" AFF	3/4" CONDUIT TAAC	
KP	ACCESS CONTROL SYSTEM, DOOR ENTRY KEYPAD	1-GANG BOX, 3 1/2" DEEP	48" AFF	1" CONDUIT TAAC	
PS	PANIC (DURESS) SWITCH/STATION	1-GANG DEVICE BOX	48" AFF	3/4" CONDUIT TAAC	
□	DOOR LOCK, ELECTRIC SHEAR TYPE	AS REQUIRED BY LOCK	TOP OF DOOR FRAME	3/4" CONDUIT TAAC	
□	ACCESS CONTROL SYSTEM, ELECTRIC DOOR LOCK/STRIKE	N/A	SIDE OF DOOR FRAME	3/4" CONDUIT TAAC	
C	SURVEILLANCE CAMERA	SEE NOTE	10' EXTERIOR AFF	1" CONDUIT TAAC	COORDINATE ROUGH-IN WITH CAMERA SUPPLIER
C	CAMERA, COVERT	SEE NOTE	1-GANG DEVICE BOX	CEILING MOUNT	3/4" CONDUIT TAAC
MP	MICROPHONE, COVERT	SEE NOTE	1-GANG DEVICE BOX	48" AFF	3/4" CONDUIT TAAC
S	CONTROL STATION	SEE NOTE	1-GANG BOX, 3 1/2" DEEP	48" AFF	3/4" CONDUIT TAAC
M	MOTION SENSOR	SEE NOTE	1-GANG BOX	96" AFF UON	3/4" CONDUIT TAAC

* ALL 1-Gang and 2-Gang Boxes reference in this legend shall be assembled from 4 11/16th" square boxes with separate trim rings. Depth of composite assembly shall be as indicated.
** Where a mounting height measurement is applied to a rough-in, the measurement shall be referenced to the center of the rough-in device, UON.
*** A Triangle symbol without a subscript designation shall have at least the minimum quantities of cables(s); Solid - one voice, Hollow - one data, and Combination - one voice and one data cable. See Faceplate Detail Sheet for cabling requirements.

Where a telecommunications outlet location is adjacent to an electrical outlet, the mounting height will be the same for each. Where multiple Telecommunications are adjacent (such as Telecommunications and Sound Devices), faceplates shall be coordinated to the same type and color and mounted at the same height.

CONDUIT RUNS SHALL HAVE NO MORE THAN 180 DEGREES OF BENDS WITHOUT AN ADEQUATE PULL BOX.

DRAWING LABELING	
DRAWING PREFIX	T TECHNOLOGY
DRAWING TYPE	0 LEGEND/INDEX 1 FLOORPLANS 2 ELEVATIONS 3 SECTIONALS 4 ENLARGED FLOORPLANS 5 DETAILS 6 DIAGRAMS
DISCIPLINE ID	0 COMMUNICATIONS 1 STRUCTURED CABLING 2 DATA SYSTEMS 3 TELEPHONE SYSTEM 4 AV SYSTEMS 5 DISTRIBUTED COMMUNICATIONS
SEQUENCE #	0 RESERVED 15 FIRST IN TIME AZ 1036

DRAWING PREFIX
DRAWING TYPE
DISCIPLINE ID
SEQUENCE #

T501
DRAWING IDENTIFICATION IS INTENDED TO PROVIDE AN ORDERLY FORMAT TO DELIVER PROJECT INFORMATION

A MAJORITY OF DRAWINGS CONTAIN INFORMATION THAT IS REQUIRED OR WILL BE BENEFICIAL TO MULTIPLE DISCIPLINES AND/OR CONTRACTORS. THEREFORE, EACH SPECIFICATION SECTION MAY REQUIRE INFORMATION ON MULTIPLE DRAWINGS TO COMPLETE THE SYSTEM(S).

A DRAWING IDENTIFICATION
Scale = NONE

MISCELLANEOUS

SYMBOL	DESCRIPTION
□	FUNCTION BOX - WALL MOUNTED FLUSH MOUNTED IN FINISHED AREAS.
○	FUNCTION BOX - CEILING MOUNTED LOCATED ABOVE ACCESSIBLE CEILING, OR HIGH TO STRUCTURE IN UNFINISHED AREAS.
□	PULL BOX - WALL MOUNTED FLUSH MOUNTED IN FINISHED AREAS. NO SPLICES/CABLE CONNECTIONS PERMITTED IN THIS BOX.
○	PULL BOX - CEILING MOUNTED LOCATED ABOVE ACCESSIBLE CEILING, OR HIGH TO STRUCTURE IN UNFINISHED AREAS. NO SPLICES/CABLE CONNECTIONS PERMITTED IN THIS BOX.
⚡	DEVICE LOCATION MODIFIER PROVIDES CLARIFICATION AS TO THE INTENDED LOCATION OF A DEVICE. GENERALLY USED WHEN DEVICES ARE TO BE INSTALLED IN CLOSE PROXIMITY HORIZONTALLY, OR ARRANGED VERTICALLY, BUT DRAWING SCALE DOES NOT ALLOW THIS TO BE SHOWN WITH VISUAL CLARITY.
XXXX	LOCATION LABEL AN ABBREVIATION USED TO UNIQUELY A LOCATION ON A DRAWING. SPECIFICATIONS, SYSTEM DRAWING, AND DETAILS REFER TO THIS LOCATION. ID TEXT VARIES.
XXXX	DEVICE ID LABEL USED TO UNIQUELY IDENTIFY A DEVICE ON A DRAWING. OFTEN USED TO ASSOCIATE THE INSTALLED LOCATION OF A DEVICE (AS DEPICTED ON A PLAN DRAWING) WITH ADDITIONAL INFORMATION ABOUT THE DEVICE AS INDICATED ON THE COMMUNICATION TECHNOLOGY SYSTEM, DETAIL AND ELEVATION DRAWING. ID TEXT VARIES.
XXXX	ROUTING DESTINATION IDENTIFIERS IDENTIFIES THE DEVICE/LOCATION TO THE WIRE WAY AND CABLING SHALL BE ROUTED. PROVIDE CONDUIT AND CABLING AS LISTED AND AS SPECIFIED.
—	CONDUIT SLEEVE 2" DIAMETER UNLESS OTHERWISE NOTED; PROVIDE FIRE STOPPING; ROUTE FROM ACCESSIBLE CEILING TO ACCESSIBLE CEILING
—	CONDUIT STUB UP INTO ACCESSIBLE CEILING QUANTITY AND SIZE OF CONDUIT PER LEGEND; AS SPECIFIED; AS NOTED.
—	CONDUIT(S) BENEATH FINISHED FLOOR QUANTITY AND SIZE OF CONDUIT AS NOTED AND AS LISTED AND AS SPECIFIED.

GENERAL NOTES:

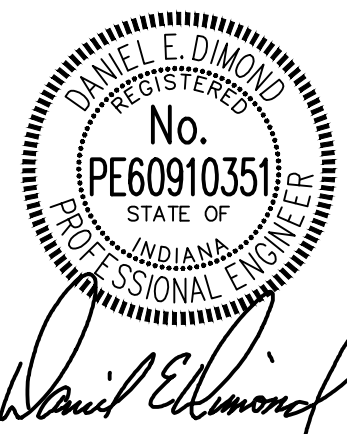
- NOTHING SET FORTH IN THESE DRAWINGS SHALL RELEASE ANY CONTRACTOR FROM HIS RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE, AND COORDINATION WITH OTHER TRADES; OR RELEASE HIM FROM HIS RESPONSIBILITY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR FREE HIM OF HIS RESPONSIBILITY TO ALERT DESIGNER TO ERRORS OR OMISSIONS.
- CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS TO DETERMINE THE FULL SCOPE, INTENT AND REQUIREMENTS OF THE PROJECT. SPECIFICATIONS AND DRAWINGS ARE INTENDED TO BE COMPLEMENTARY, NOT MUTUALLY EXCLUSIVE. WORK SHOWN ON THE DRAWINGS BUT NOT LISTED IN THE SPECIFICATIONS AND WORK DESCRIBED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE INTERPRETED AS THOUGH WORK WERE FULLY DESCRIBED IN BOTH PLACES. THE HIGHER QUALITY, HIGHER QUALITY, MORE LABOR INTENSIVE AND OVERALL MORE STRINGENT AND MORE COSTLY REQUIREMENT SHALL APPLY UNLESS OTHERWISE CLARIFIED IN WRITING PRIOR TO BID.
- EACH CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS. ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH, OR CAUSED BY HIS FAILURE TO COMPLY WITH THIS REQUIREMENT.
- EACH CONTRACTOR SHALL REVIEW ALL PORTIONS OF HIS WORK, BEFORE STARTING THE WORK, TO VERIFY THAT THE WORK WILL NOT PROHIBIT COMPLETION OF THE PROJECT AS INTENDED IN THESE CONSTRUCTION DOCUMENTS. ALL QUESTIONS SHALL BE REFERRED TO THE DESIGNER FOR RESOLUTION.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR JOB CLEANLINESS. PROJECT AREAS SHALL BE THOROUGHLY CLEANED AND TRASH DISPOSED OF AT THE END OF EACH WORK DAY. OWNER'S FACILITIES SHALL NOT BE USED FOR WASTE DISPOSAL.
- PROVIDE DUST PROTECTION WHEN WORKING IN EXISTING FACILITIES. SEAL OFF ALL WORK AREAS FROM REMAINDER OF THE EXISTING FACILITY TO RETAIN ALL CONSTRUCTION DIRT AND DUST. SEAL EXISTING DOORS WITH TAPE AND PROVIDE DUST-PROOF BARRIERS AS REQUIRED.
- ALL WORK SHALL BE SEQUENCED TO PROVIDE FOR THE OWNER'S CONTINUED USE OF THE EXISTING FACILITY WHEN REQUIRED. OWNER'S ACCESS, EGRESS AND SAFETY SHALL BE MAINTAINED BY EACH CONTRACTOR. THE SEQUENCE OF WORK SHALL BE AS DETERMINED BY THE CONSTRUCTION MANAGER. REFER TO THE PROJECT MANUAL FOR FURTHER REQUIREMENTS.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SURFACES AND FINISHES IN THE INTERIOR OR EXTERIOR OF THE FACILITY. DAMAGED SURFACES OR FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK OR NEGLIGENCE SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE RESPONSIBLE CONTRACTOR. FINISHES AND SURFACES SHALL BE MADE TO MATCH THE EXISTING FINISHES OR SURFACES TO THE SATISFACTION OF THE OWNER AND ARCHITECT/CONSTRUCTION MANAGER.
- EACH CONTRACTOR SHALL COORDINATE HIS RESPECTIVE CUTTING AND PATCHING WORK WITH THE CONSTRUCTION MANAGER.
- COLORS OF CABLING USED FOR ALL COMMUNICATIONS TECHNOLOGY WORK SHALL BE REVIEWED AND APPROVED PRIOR TO PROCUREMENT AND INSTALLATION.
- THE DIVISION 27 CONTRACTOR SHALL THOROUGHLY REVIEW THE SPECIFIED ROUGH-IN TO ENSURE THAT SUPPLIED ROUGH-IN WILL SUPPORT THE CABLING AND DEVICES BEING SUPPLIED. DIVISION 27 CONTRACTOR SHALL THOROUGHLY COORDINATE WITH THE DIVISION 26 ROUGH-IN PROVIDER PRIOR TO ROUGH-IN MATERIAL ACQUISITION AND INSTALLATION.
- CABLE TRAY SHOWN ON THE 1/8" SCALE FLOORPLAN DRAWINGS SHALL BE FURNISHED BY THE DIVISION 26 CONTRACTOR.
- THE DIVISION 27 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE FRONT END DOCUMENTS OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING. ALL PHASING QUESTIONS SHALL BE ADDRESSED PRIOR TO THE CONTRACTOR'S BID SUBMISSION.
- EACH CONTRACTOR SHALL FIELD VERIFY ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS. AS PERTAINS TO THE INTENT OF THESE DRAWINGS, CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT AND DESIGNER ANY DISCREPANCIES DISCOVERED PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY OR RELATED TO SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OR CAUSED BY THAT CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
- EVERY SPACE INCLUDING HALLWAYS, RESTROOMS, CLOSETS, STAIRWELLS, ETC SHALL HAVE A UNIQUE ROOM IDENTIFIER. FINAL ROOM NUMBERS SHALL BE CONFIRMED WITH OWNER BEFORE CONSTRUCTION DOCUMENTS ARE ISSUED. ONCE CONSTRUCTION BEGINS ROOM NUMBERS SHALL NOT CHANGE.

GENERAL CABLING NOTES:

- PLENUM CABLE REQUIRED. ALL PROVIDED CABLE THAT WILL NOT BE INSTALLED IN A FULLY ENCLOSED CONDUIT SYSTEM SHALL BE RATED FOR INSTALLATION WITHIN A RETURN AIR PLENUM.
- ALL INSTALLED CABLING SHALL BE CONTINUOUS AND WITHOUT SPLICES, EXCEPT WHERE OTHERWISE NOTED.

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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY:	DESIGNED BY:
DW/H	DW
SCALE:	CHECKED BY:
AS NOTED	DW
DATE:	JOB NO.:
4/5/2024	D.A. #24002

SHEET DESCRIPTION:

FIRST FLOOR PLAN - TELECOM

SHEET NUMBER:

T201

RENOVATION LEGEND:

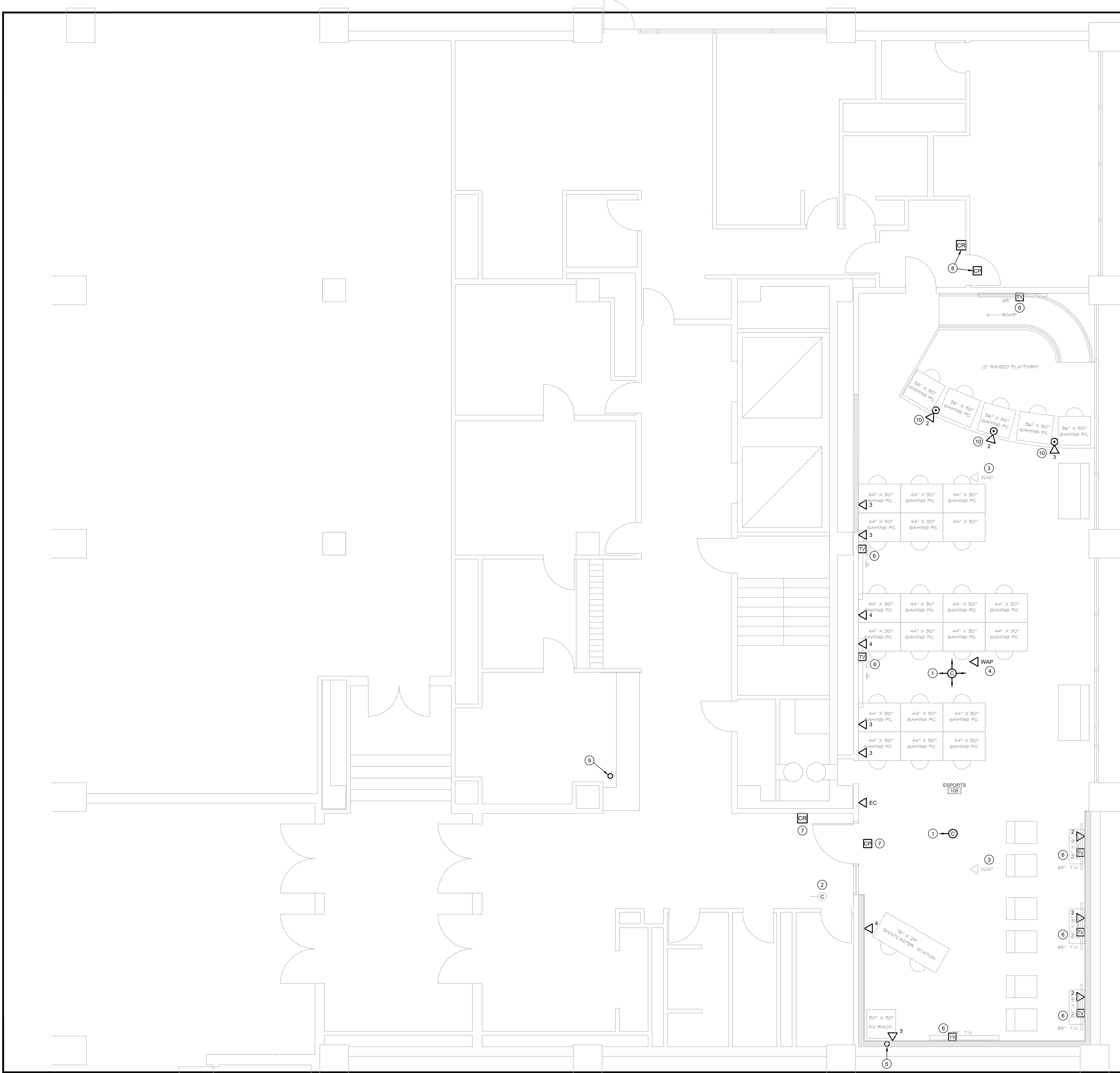
- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWINGS ISU-T-001 & ISU-T-002 FOR GENERAL NOTES.
2. SEE DRAWING T401 FOR ADDITIONAL WORK RELATED TO AV SYSTEM AND EQUIPMENT SPECS.
3. COLOR OF TELECOM DEVICES AND FACEPLATES SHALL MATCH ELECTRICAL WIRING DEVICES, AS SELECTED BY THE OWNER.
4. PATHWAYS AND DEVICE BOXES FOR TELECOM DEVICES/CABLING SHALL BE SEPARATE/INDEPENDENT FROM ALL AV CABLING AND DEVICES. DO NOT SHARE CONDUITS OR BOXES AND KEEP SOME SEPARATION WITHIN CABLE TRAY. COORDINATE WITH OWNER.

PLAN NOTES

- ① PROVIDE ONE CAT. 6A CABLE FOR OWNER-PROVIDED CEILING MOUNTED SECURITY CAMERA. LEAVE A 10'-0" SERVICE LOOP OF CABLE ABOVE CEILING. TERMINATE WITH JACK AS DIRECTED BY OWNER.
- ② EXISTING CEILING MOUNTED SECURITY CAMERA TO REMAIN OR BE REPLACED BY OWNER. (SHOWN FOR REFERENCE.)
- ③ EXISTING WIRELESS ACCESS POINT TO REMAIN.
- ④ PROVIDE CAT. 6A CABLING FOR A CEILING MOUNTED OWNER-PROVIDED, OWNER-INSTALLED WIRELESS ACCESS POINT. PROVIDE A 10'-0" SERVICE LOOP ABOVE CEILING. TERMINATE WITH JACK AS DIRECTED BY OWNER.
- ⑤ PROVIDE A MINIMUM 12"x12"x6"D BOX WITH GROMMETTED OPENING IN SPLIT FACE COVER AND A 2" CONDUIT UP TO CABLE TRAY. VERIFY BOX SIZE TO ACCOMMODATE QTY. OF CABLES. COORDINATE WITH OWNER.
- ⑥ VERIFY LOCATION OF TV OUTLET WITH OWNER. INSTALL NEXT TO POWER RECEPTACLE.
- ⑦ INSTALL ROUGH-IN FOR ACCESS CONTROLS, CARD READER, ELECTRIC STRIKE, POWER SUPPLY, ETC. SEE DETAIL ON T400 SERIES DRAWING.
- ⑧ INSTALL DATA CABLE FOR FUTURE ACCESS CONTROLS. PROVIDE A 10'-0" SERVICE LOOP ABOVE CEILING.
- ⑨ PROVIDE A NEW 4" RIGID STEEL CONDUIT SLEEVE THRU FLOOR SLABS 2, 3, 4, & 5 FOR NEW DATA CABLES FROM ESPORTS 108. INSTALL NEXT TO EXISTING SLEEVES. PROVIDE WIRE MANAGEMENT FOR CABLING ON EACH FLOOR. COORDINATE WITH OWNER. PROVIDE PROPER PROTECTION OF EXISTING FACILITIES DURING CORE DRILLING. SEE T212 FOR FIFTH FLOOR LOCATION. PROVIDE FIRE-STOPPING.
- ⑩ INSTALL DEVICES IN FLOOR BOX. SEE DRAWING E211.



FIRST FLOOR PLAN - TELECOM
SCALE: 1/4" = 1'-0"
PLAN NORTH

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CERTIFIED BY:



Daniel E. Dimond

REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/H	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002

SHEET DESCRIPTION:

FIRST FLOOR PLAN - TELECOM (CABLE TRAY)

SHEET NUMBER:

T211

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWINGS ISU-T-001 & ISU-T-002 FOR GENERAL NOTES.

PLAN NOTES

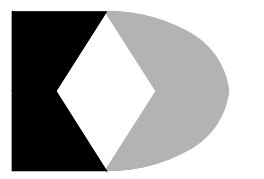
- 1 EXISTING LIGHTING TO REMAIN.
- 2 TYPICAL EXISTING SPRINKLER HEAD TO REMAIN.
- 3 TYPICAL EXISTING HVAC DIFFUSER TO REMAIN.
- 4 TYPICAL EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR TO REMAIN.
- 5 TYPICAL EXISTING WIRELESS ACCESS POINT TO REMAIN.
- 6 RELOCATED EXISTING BASKET STYLE CABLE TRAY. NOMINAL 24" WIDE x 6" HIGH. CONTRACTOR SHALL REMOVE EXISTING CABLE TRAY FROM EXISTING TECH 'A' BUILDING ON CAMPUS, RELOCATE, AND REINSTALL CABLE TRAY AS SHOWN. REUSE EXISTING SUPPORTS (CHANNEL AND THREADED ROD) AND/OR PROVIDE NEW AS REQUIRED. SUPPORT FROM STRUCTURE ABOVE LAY-IN CEILING. INSTALL APPROXIMATELY 12" BELOW THE CEILING, ENSURING ACCESS TO EXISTING LIGHT FIXTURES. PROVIDE TEMPORARY SUPPORT OF EXISTING CABLES AT TECH 'A' AS REQUIRED. (BUILDING IS BEING VACATED FOR RENOVATION BUT SYSTEMS NEED TO REMAIN OPERATIONAL. COORDINATE WITH OWNER.) USE CABLE TRAY FOR PATHWAY OF LOW VOLTAGE CABLES WITHIN THE ROOM (DATA, AV, ETC.)
- 7 USE EXISTING ELBOW (RADIUS) FITTINGS IF AVAILABLE.
- 8 NEW WIRELESS ACCESS POINT. SEE T201.
- 9 NEW SECURITY CAMERA. SEE T201.
- 10 PROVIDE A 4" CONDUIT (OR EQUIVALENT) FROM THE CABLE TRAY TO ABOVE THE LOUNGE CEILING FOR LOW VOLTAGE CABLES.
- 11 CONDUIT SLEEVES FOR CABLE PATHWAY TO EXISTING TELECOM ROOM ON THE FIFTH FLOOR. SEE T201.
- 12 EXISTING CEILING HEIGHT IS APPROX. 11'-4" AFF.
- 13 ORGANIZE CABLES IN CABLE TRAY BY LOCATION AND/OR FUNCTION. COORDINATE WITH OWNER.



FIRST FLOOR PLAN - TELECOM (CABLE TRAY)

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

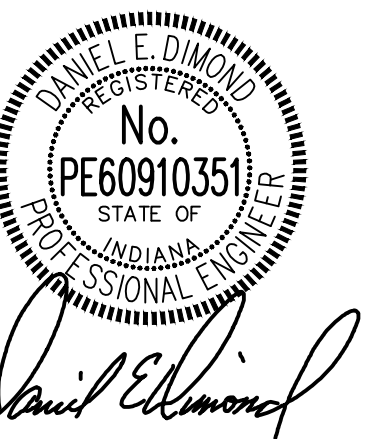




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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

**RENOVATIONS
FOR ESPORTS
JONES HALL**

**INDIANA
STATE
UNIVERSITY**

**TERRE HAUTE,
INDIANA**

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/H	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002


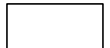
SHEET DESCRIPTION:

**FIFTH FLOOR PLAN
- TELECOM**

SHEET NUMBER:

T212

RENOVATION LEGEND:

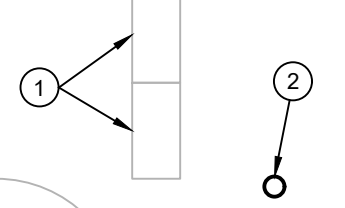
-  WORK TO BE INSTALLED
-  EXISTING WORK TO REMAIN

GENERAL NOTES

1. SEE DRAWING T001 FOR GENERAL NOTES.

PLAN NOTES

- ① EXISTING TELECOM RACK TO REMAIN. PROVIDE PATCH PANELS FOR TERMINATION OF NEW DATA CABLES.
- ② PROVIDE A NEW 4" RIGID STEEL CONDUIT SLEEVE THRU FLOOR SLABS 2, 3, 4, & 5 FOR NEW DATA CABLES FROM ESPORTS 108. INSTALL NEXT TO EXISTING SLEEVES. PROVIDE WIRE MANAGEMENT FOR CABLING ON EACH FLOOR. COORDINATE WITH OWNER. PROVIDE PROPER PROTECTION OF EXISTING FACILITIES DURING CORE DRILLING. SEE T201 FOR FIRST FLOOR LOCATION. PROVIDE FIRE-STOPPING.

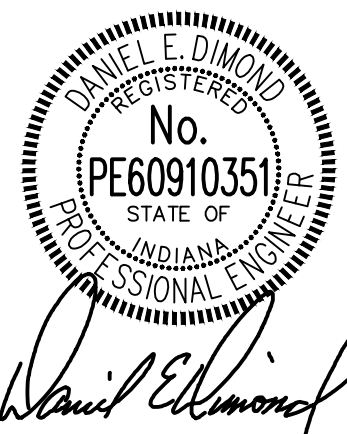


FIFTH FLOOR PLAN - TELECOM
SCALE: 1/4" = 1'-0"



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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

PROJECT DESCRIPTION:

RENOVATIONS FOR ESPORTS JONES HALL

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

(ISU Bid No. B0028353)

KEYPLAN

DRAWN BY: DW/VH	DESIGNED BY: DW
SCALE: AS NOTED	CHECKED BY: DW
DATE: 4/5/2024	JOB NO.: D.A. #24002

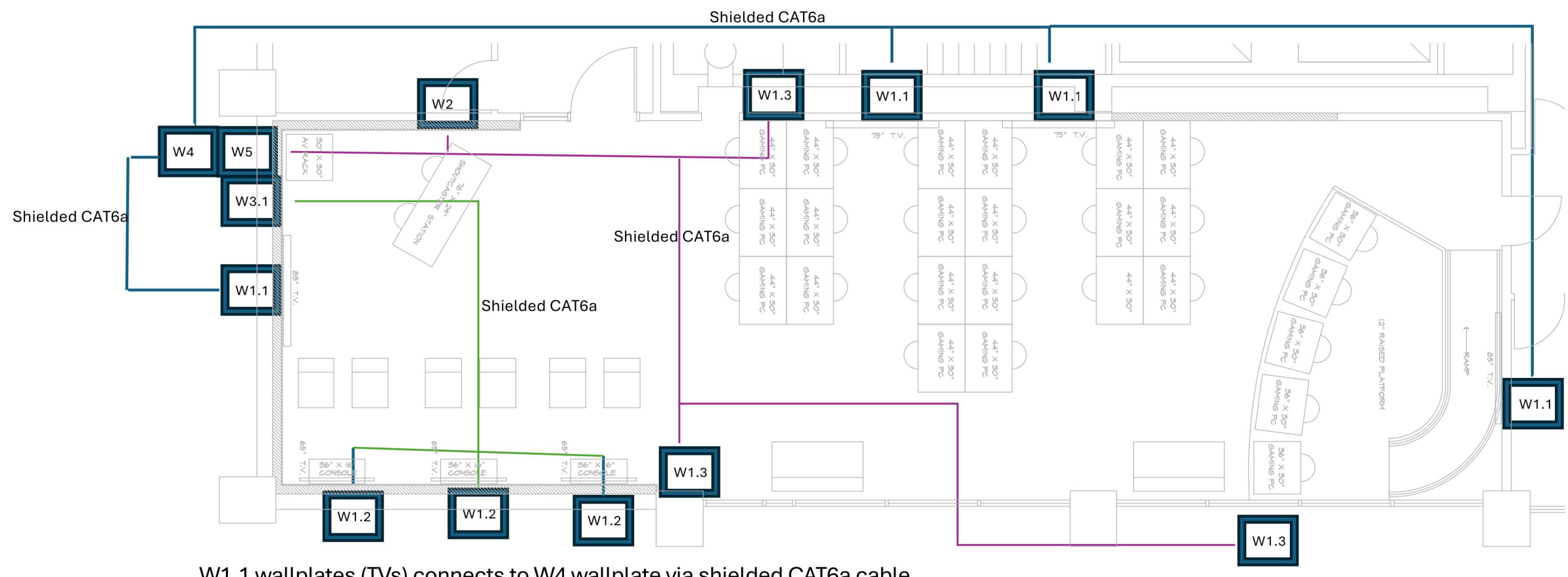
SHEET DESCRIPTION:

TELECOM DETAILS

SHEET NUMBER:

T401

*All AV wallplates to be black in color



W1.1 wallplates (TVs) connects to W4 wallplate via shielded CAT6a cable
 W1.2 wallplates (Gaming consoles) connects to W3.1 wallplate via shielded CAT6a cable
 W1.3 and W2 wallplates (cameras, Host PCs, and touch panel) connects to W5 wallplate via shielded CAT6a cable

W1.1 - 2 shielded CAT6a port W1.3 - 2 shielded CAT6a port W3.1 - 6 shielded CAT6a port W4 - 8 shielded CAT6a port
 W1.2 - 2 shielded CAT6a port W2 - 4 shielded CAT6a port W3.2 - 6 shielded CAT6a port W5 - 10 shielded CAT6a port

AV WIRING SCHEMATIC
SCALE: NONE
PLAN NORTH

GENERAL NOTES FOR AV WIRING SCHEMATIC:

- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL WALL PLATES, CABLING, PATHWAYS, BACK BOXES, ETC.
- ALL CABLING SHALL BE CAT 6A, SHIELDED, TWISTED PAIR, 24 AWG, BLUE JACKET (VERIFY), PLENUM RATED, LIKE EXTRON XTP DTP 24 CABLE OR BETTER. ALL JACKS SHALL BE SHIELDED, WITH FULL METAL JACKET.
- ROUTE CABLES VIA THE CABLE TRAY AS MUCH AS POSSIBLE. PROVIDE EMT CONDUIT DROPS FROM CABLE TRAY DOWN TO WALL PLATE BACK BOXES. MINIMUM CONDUIT SIZE SHALL BE 1". PROVIDE QUANTITY AS REQUIRED TO MAINTAIN LESS THAN 40% MAX FILL, UP TO A MAXIMUM OF (4) CABLES PER CONDUIT. PROVIDE (1) 1" SPARE CONDUIT TO EACH BACK BOX.
- WALL PLATE BACK BOXES SHALL BE A MINIMUM OF 3-1/2" DEEP, 2-GANG. PROVIDE MULTIPLE BOXES AS REQUIRED. MAXIMUM OF (4) PORTS PER WALL PLATE AND BACK BOX. WHERE MULTIPLE BOXES ARE NECESSARY, COORDINATE ORIENTATION/ALIGNMENT WITH THE OWNER.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL BACK BOXES WITH THE OWNER.
- WALL PLATES SHALL COMPLY WITH DIV. 27 SPECIFICATIONS. COLOR SHALL BE BLACK. PROVIDE LABELING AS DIRECTED.
- AT THE THREE GAMING CONSOLES (W1.2 WALL PLATES), PROVIDE A PATHWAY FROM THE GAME CONSOLE UP TO THE TV. FOR DIRECT CONNECTION. COORDINATE WITH THE OWNER.

Indiana State University Esports Lab

The Contractor's scope of work shall include the following:

- Provide the equipment listed herein.
- Provide the necessary cabling, jacks, and connections as described herein, elsewhere, or as required.
- Coordinate all requirements with the Owner.

Technology Specifications:

Gaming PCs:

Provide a quantity of twenty (20) PCs for base bid, with an alternate bid for 5 additional PC's (total of 25 PC's)

PC Specs

- CPU - Provide a Central Processing Unit (CPU) with a minimum of 6-12 cores ranging from a minimum of 2.10 GHz to 4.40 GHz. Similar to the Intel i7-13000K
- Motherboard - Provide wired and wireless connectivity as well as Bluetooth compatibility.
- RAM - Provide Random Access Memory (RAM) with a minimum of DDR5 memory from 16 GB up to 32 GB total
- Storage - Provide a Solid State Drive (SSD) with a minimum of 1 TB storage and up to 2 TB
- GPU - Provide a Graphics Processing Unit (GPU) with a minimum base clock of 1.32GHz with memory at either 8 or 12 GB GDDR6. Similar to the RTX 4060 TI
- Case - Corsair 4000D Airflow ATX Mid Tower Case or equivalent
- Power Supply - Corsair RM750e (2023) 750 W 80+ Gold Certified Fully Modular ATX or equivalent
- Network Card - 1Gbps

Peripherals

- Monitor - eSports 27" monitor, 1440p/QHD resolution, 144 hz refresh rate, 2ms or lower response rate, HDMI 2.0 and DisplayPort 1.4, 1 yr warranty
- Headset - Headset, 20-20,000 Hz frequency response, 40mm drivers, noise canceling microphone, 1 yr warranty.
- Keyboard - Ergonomic keyboard with number pad, mechanical switch, RGB lighting, USB.
- Mouse - eSports optical mouse, USB, variable dpi up to 16k, 6 buttons, scroll wheel, 450IPS, 1 yr warranty.
- Mousepad - Mousepad, non-slip, smooth durable cloth surface game mat, large 900x300mm size.

In addition, the vendors should provide, if they are able, a "computer management" software solution similar to ggLeap. The software should allow for user management of the systems, allow the systems to be reserved, and overall provide a central management hub. In conjunction, the vendor should provide a server for managing the games for these computers (similar to ggRock). The server should have the following minimum specifications:

CPU with cores up to 4.30 GHz, similar to the Intel Core i9-13900KF
 GPU with 16 GB GDDR similar to the RTX 4080
 RAM with a minimum of 32GB DDR5
 SSD with 1 TB storage

Host PC (1):

- CPU - Provide a Central Processing Unit (CPU) with a minimum of 6-12 cores ranging from a minimum of 2.10 GHz to 4.40 GHz. Similar to the Intel i7-13000K
- Motherboard - Provide wired and wireless connectivity as well as Bluetooth compatibility.
- RAM - Provide Random Access Memory (RAM) with a minimum of DDR5 32GB
- Storage - Provide a Solid State Drive (SSD) with a minimum of 1 TB storage and up to 2 TB
- GPU - Provide a Graphics Processing Unit (GPU) with a minimum base clock of 1.32GHz with memory at either 8 or 12 GB GDDR6. Similar to the RTX 4060 TI
- Case - Corsair 4000D Airflow ATX Mid Tower Case or similar
- Power Supply - Corsair RM750e (2023) 750 W 80+ Gold Certified Fully Modular ATX Power Supply or similar
- Network Card - 1Gbps
- Capture Card - Elgato HD60 Pro or similar.

Production PC (1):

- CPU - Provide a Central Processing Unit (CPU) with a minimum of 6-12 cores ranging from a minimum of 2.10 GHz to 4.40 GHz. Similar to the Intel i7-13000K
- Motherboard - Provide wired and wireless connectivity as well as Bluetooth compatibility.
- RAM - Provide Random Access Memory (RAM) with a minimum of 32 GB
- Storage - Provide a Solid State Drive (SSD) with a minimum of 4 TB storage and up to 5 TB
- GPU - Provide a Graphics Processing Unit (GPU) with a minimum base clock of 1.32GHz with memory at either 8 or 12 GB GDDR6. Similar to the RTX 4060 TI
- Case - Corsair 4000D Airflow ATX Mid Tower Case or similar
- Power Supply - Large enough to handle required equipment
- Network Card - 1Gbps
- Spacing to allow 2 Magewell Pro Capture Quad HDMI cards installed with adequate airflow
- Vmix software

Peripherals for Host PC and Production PC

- Monitor - eSports 24" monitor, 1440p/QHD resolution, 144 hz refresh rate, 2ms or lower response rate, HDMI 2.0 and DisplayPort 1.4, 1 yr warranty
- Headset - Headset, 20-20,000 Hz frequency response, 40mm drivers, noise canceling microphone, 1 yr warranty.
- Keyboard - Ergonomic keyboard with number pad, mechanical switch, RGB lighting, USB.
- Mouse - eSports optical mouse, USB, variable dpi up to 16k, 6 buttons, scroll wheel, 450IPS, 1 yr warranty.
- Mousepad - Mousepad, non-slip, smooth durable cloth surface game mat, large 900x300mm size.

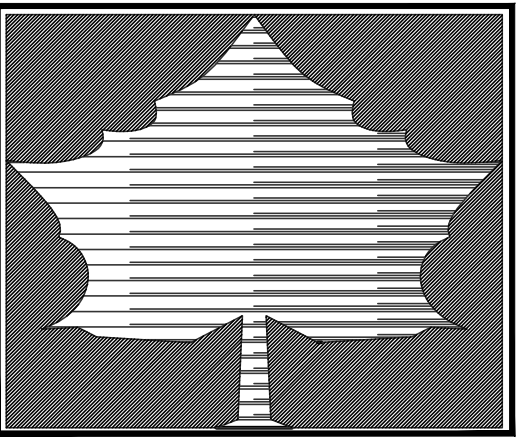
AV side:

The Contractor's scope of work shall include the following:

- Provide and install all Cat 6A shielded A/V cabling between wall plates, and the jacks, wall plates, and pathways, per the AV Wiring Schematic.
- Provide and install all network ports and cables as shown or directed.
- Installation of monitor mounts on desks
- Installation of computer mounting hardware to desk.
- Installation of Shoutcaster lighting.
- Installation of cameras and mounts
- Mounting of all TVs and mounts needed for the TV. Equipment provided by Owner.
- Owner will be installing any needed A/V components into a server rack or location of choice.
- All cabling, locations, and requirements must be verified with the Owner.

Network / Information Technology

- Campus infrastructure supports up to 10G building-to-building and off-campus network access.
- All workstation network runs will be home run to owner's preexisting network equipment. The default network speed will be 1Gbps per drop to each device.
- All network runs shall be installed and tested by the Contractor.
- All port counts, locations, and requirements must be verified with the Owner.
- Contractor shall provide the necessary patch/office cable from any workstation and the LAN jack.
- The appropriate remote access for VENDOR management will be provided based on documentation and requirements.
- Network segmentation and firewalls will be utilized to protect the equipment and campus. Requirements and limitations must be documented.



INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

COMMUNICATIONS STANDARDS

RENOVATIONS FOR ESPORTS
JONES HALL
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA
(ISU Bid No. B0028353)

DA#24002

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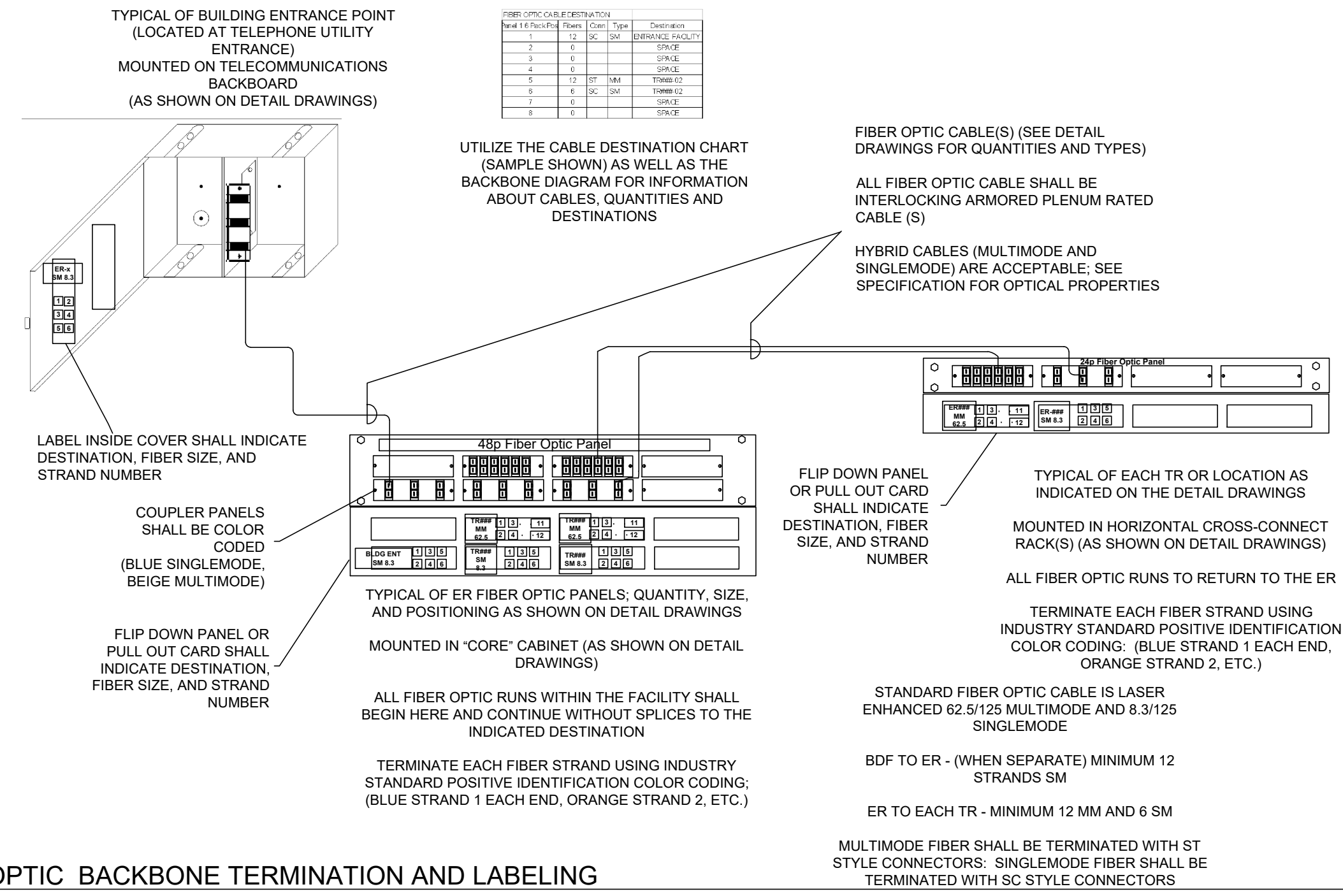
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Table with 3 columns: PROJECT NO., PROJECT DATE, DRAWN BY, CHECKED BY, DWG FILE, COPYRIGHT

Keyplan

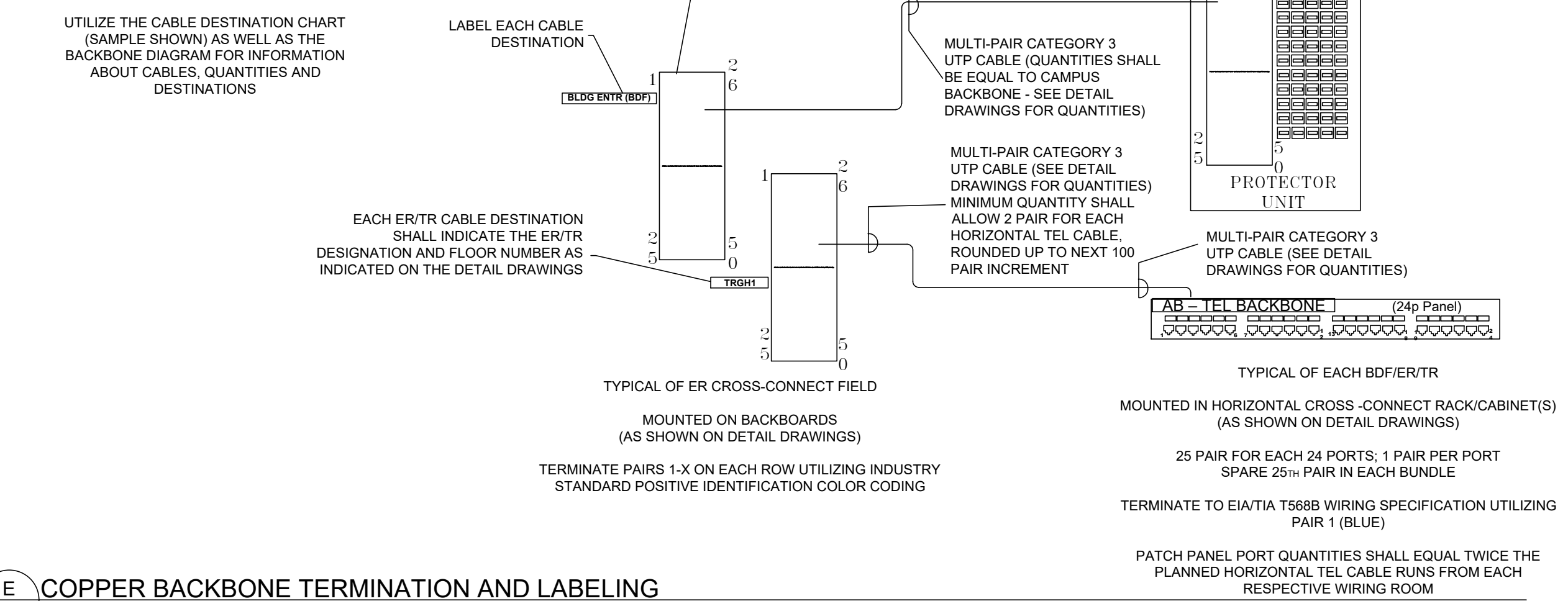
TERMINATION AND IDENTIFICATION DETAILS

ISU-T-511



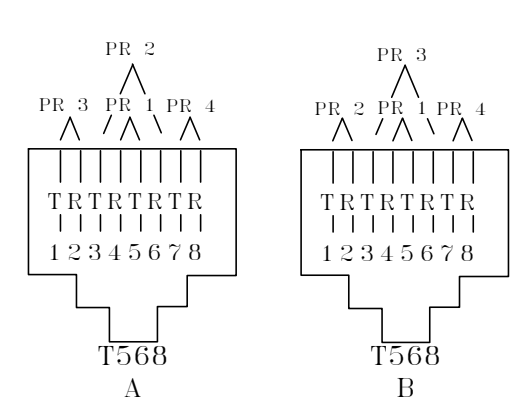
C FIBER OPTIC BACKBONE TERMINATION AND LABELING
Scale = NONE

Table with 10 columns: CABLE #, FROM, TO, FROM, TO, FROM, TO, FROM, TO, FROM, TO



E COPPER BACKBONE TERMINATION AND LABELING
Scale = NONE

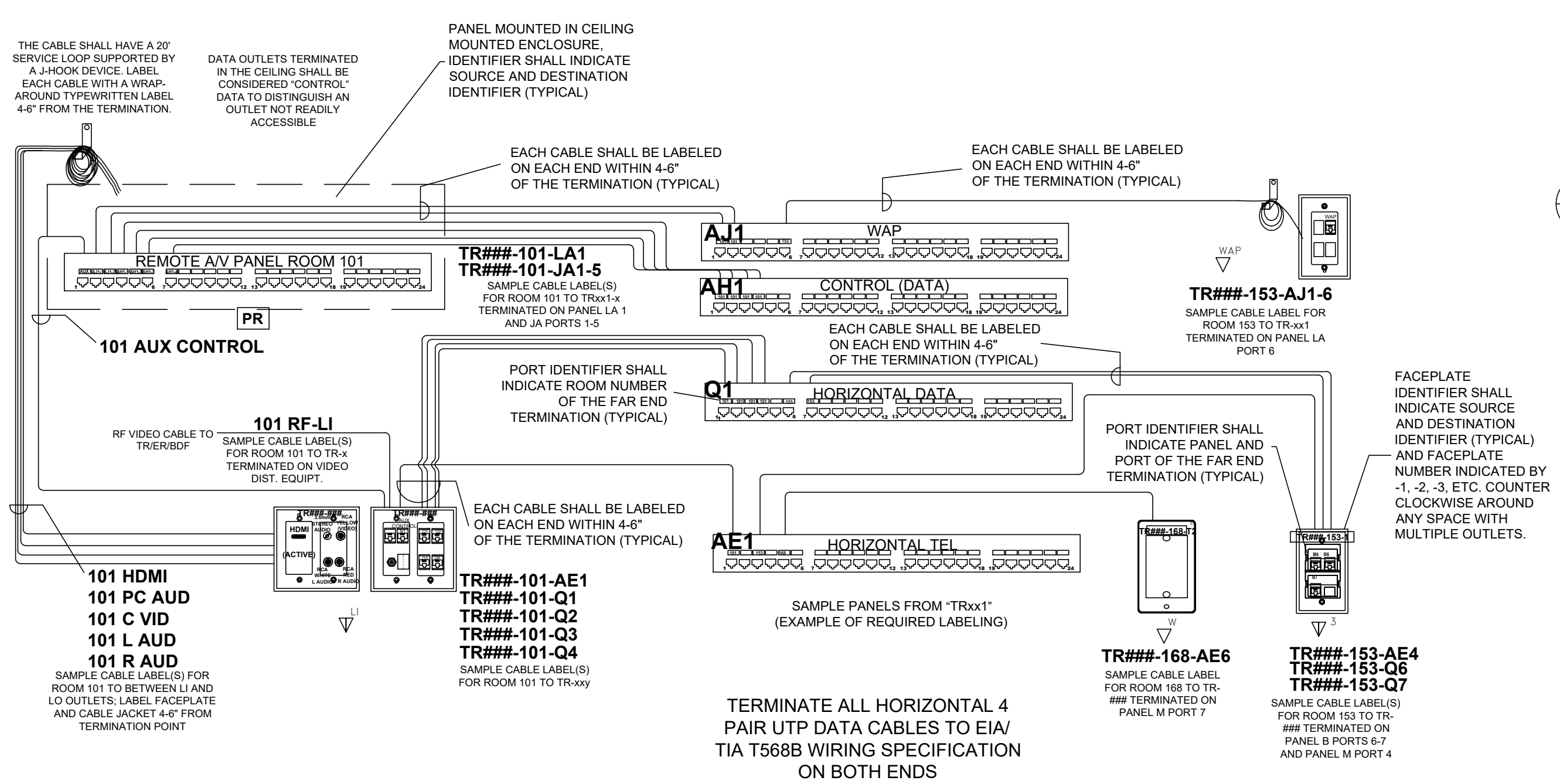
Table with 5 columns: PAIR, LEAD, COLOR, T568B PIN #, T568A PIN #, USOC # POS



B HORIZONTAL 4 PAIR COPPER PIN-OUTS
Scale = NONE

Table A: CABLE AND TERMINATION SUMMARY (THIS PROJECT). Lists cable types, descriptions, and termination details.

A CABLE AND TERMINATION SUMMARY
Scale = NONE



D HORIZONTAL AND LOCAL INPUT TERMINATION AND LABELING
Scale = NONE

- LABELING NOTES: (THIS PROJECT)
A. EACH TELECOMMUNICATIONS ROOM SHALL HAVE A UNIQUE IDENTIFIER...
B. ALL CABLES SHALL HAVE A LABEL AFFIXED TO THE JACKET AT EACH END...
C. THESE DETAILS ARE NOT INTENDED TO SHOW EXACT PROJECT REQUIREMENTS...
D. SEPARATE PATCH PANELS ARE UTILIZED FOR HORIZONTAL DATA, WIRELESS ACCESS POINTS, AND CONTROL...
E. COORDINATE "FINAL" ROOM NUMBERS OR IDENTIFIERS WITH OWNER PRIOR TO PERFORMING WORK...
F. ALL CABLES SHALL BE TERMINATED IN ALPHANUMERICAL ORDER ON EACH PATCH PANEL...
G. LABEL ALL FACEPLATES WITH AN OUTLET IDENTIFIER AND LABEL EACH PORT...
H. LABEL CROSS-CONNECT FIELDS, BACKBOARDS, RACKS/CABINETS PANELS, FACEPLATES, CABLES ETC...
I. FIBER OPTIC PANELS SHALL BE IDENTIFIED WITH SOURCE, DESTINATION, STRAND IDENTIFIER AS WELL AS WITH THE CORE DIAMETERS...
J. ALL CABLES USED FOR DATA SHALL BE TERMINATED ON "HORIZONTAL DATA" PATCH PANELS...
K. SOLID TRIANGLES DENOTE VOICE (TELEPHONE) REQUIREMENTS...
L. SEE CABLE AND TERMINATION SUMMARY CHART FOR COLOR CODING...
M. CABLES SHALL BE GROUPED TOGETHER ON PATCH PANELS BY WORK AREA SPACE.

