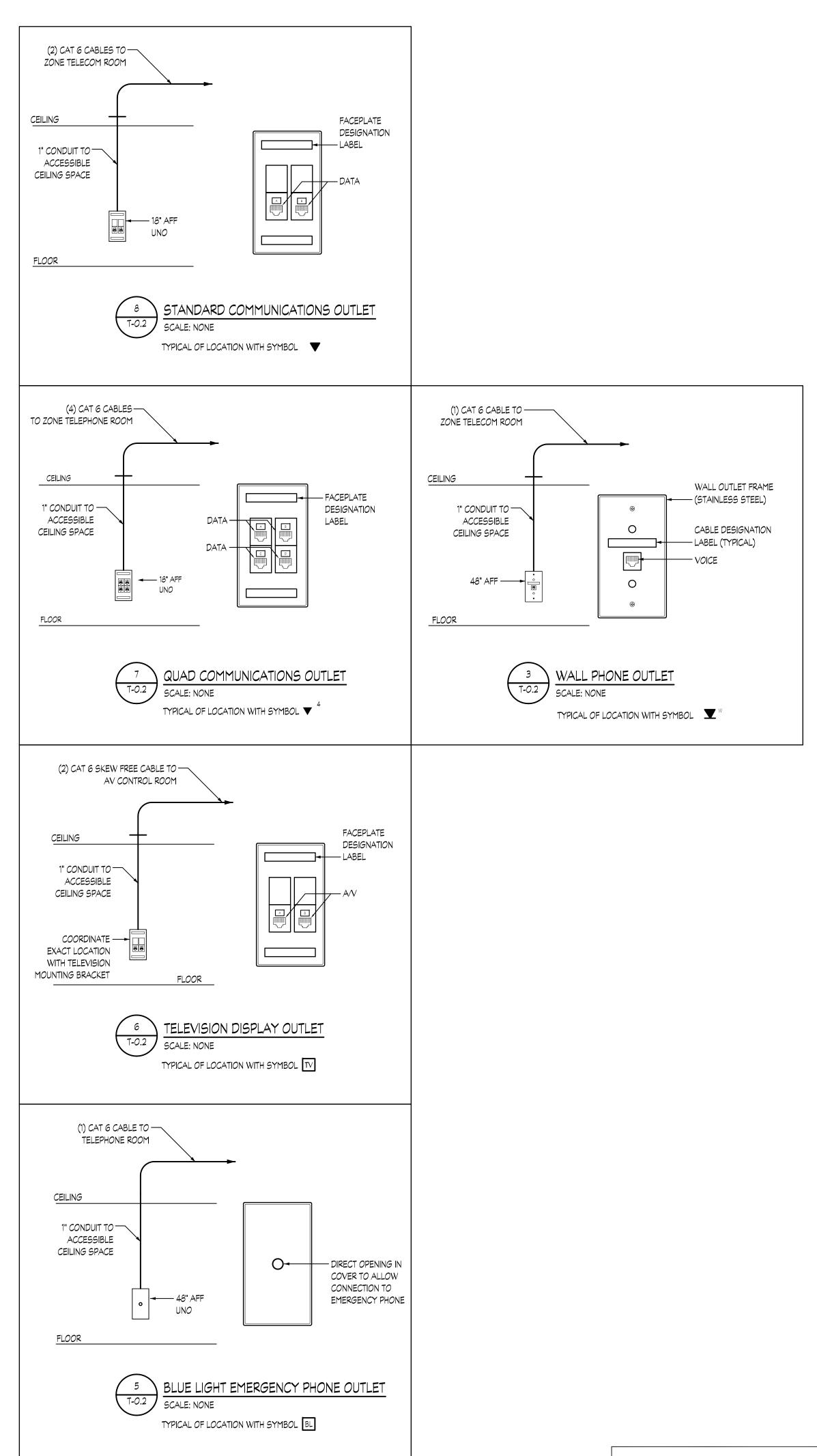


NEW SIECOR 4 A-C)





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3 01/29/10 Record Drawing 2 12/10/08 Bulletin #82 1 06/06/08 Bulletin #49 0 05/02/07 For Construction Rev. Date: Comment: Issued: May 2, 2007

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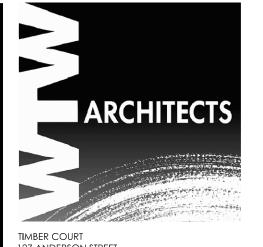
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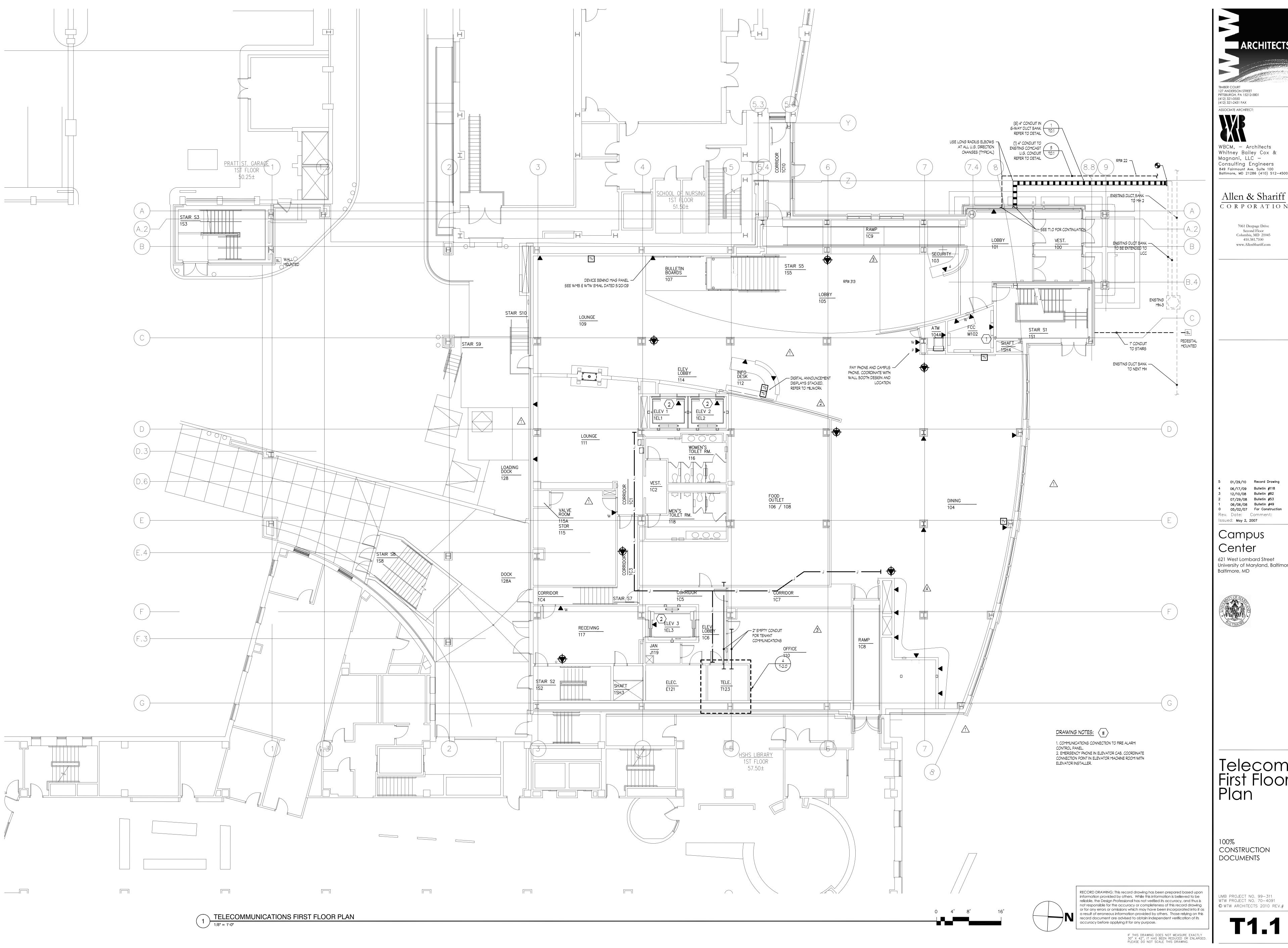
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Telecom-Garden Level Plan

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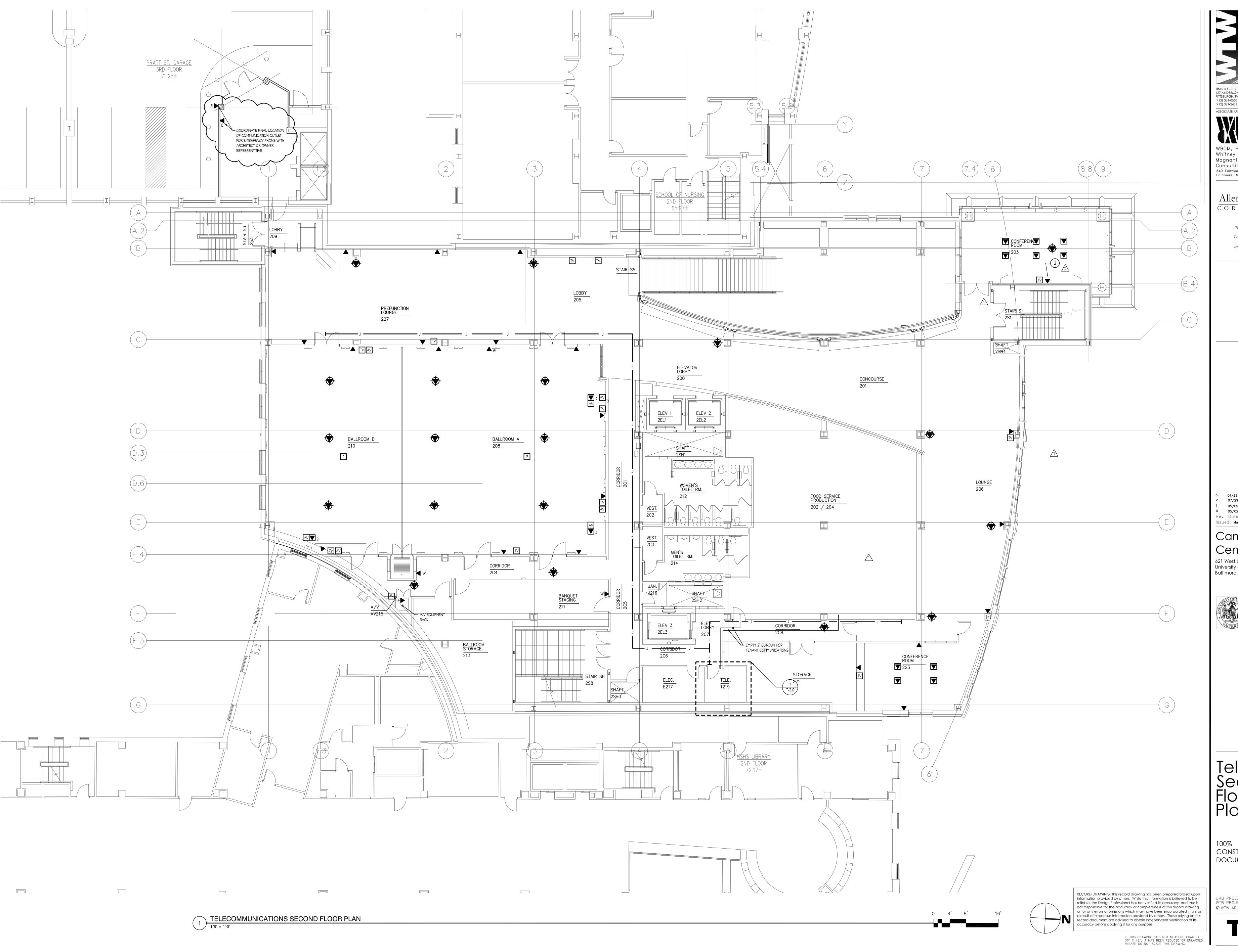
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Telecom-First Floor Plan

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07/29/08 Bulletin #53
05/09/08 Plan Revisions
05/02/07 For Construction
Date: Comment:
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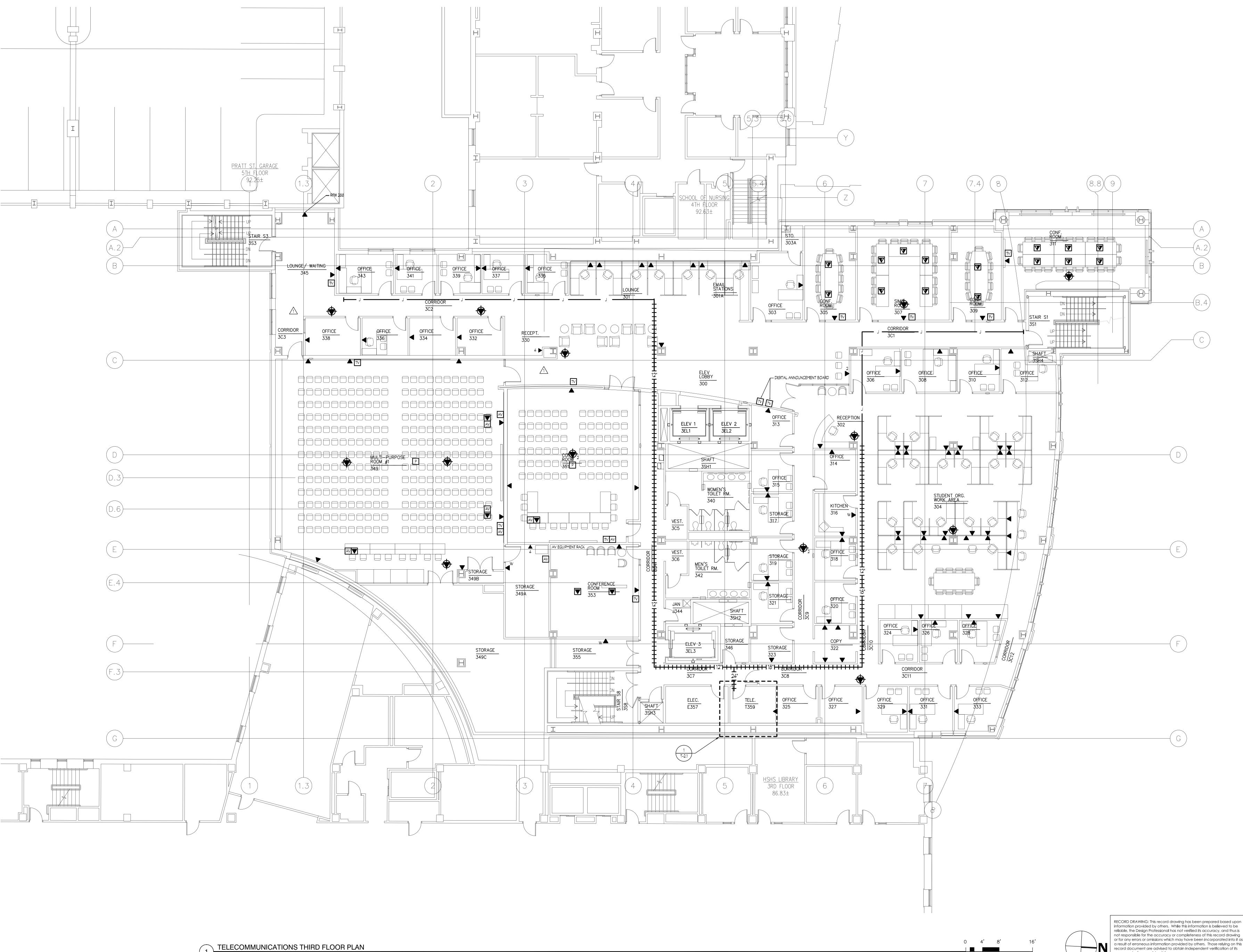


Telecom-Second Floor Plan

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T1.2



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10/20/08 Bulletin #69 05/02/07 For Construction Rev. Date: Comment: Issued: May 2, 2007

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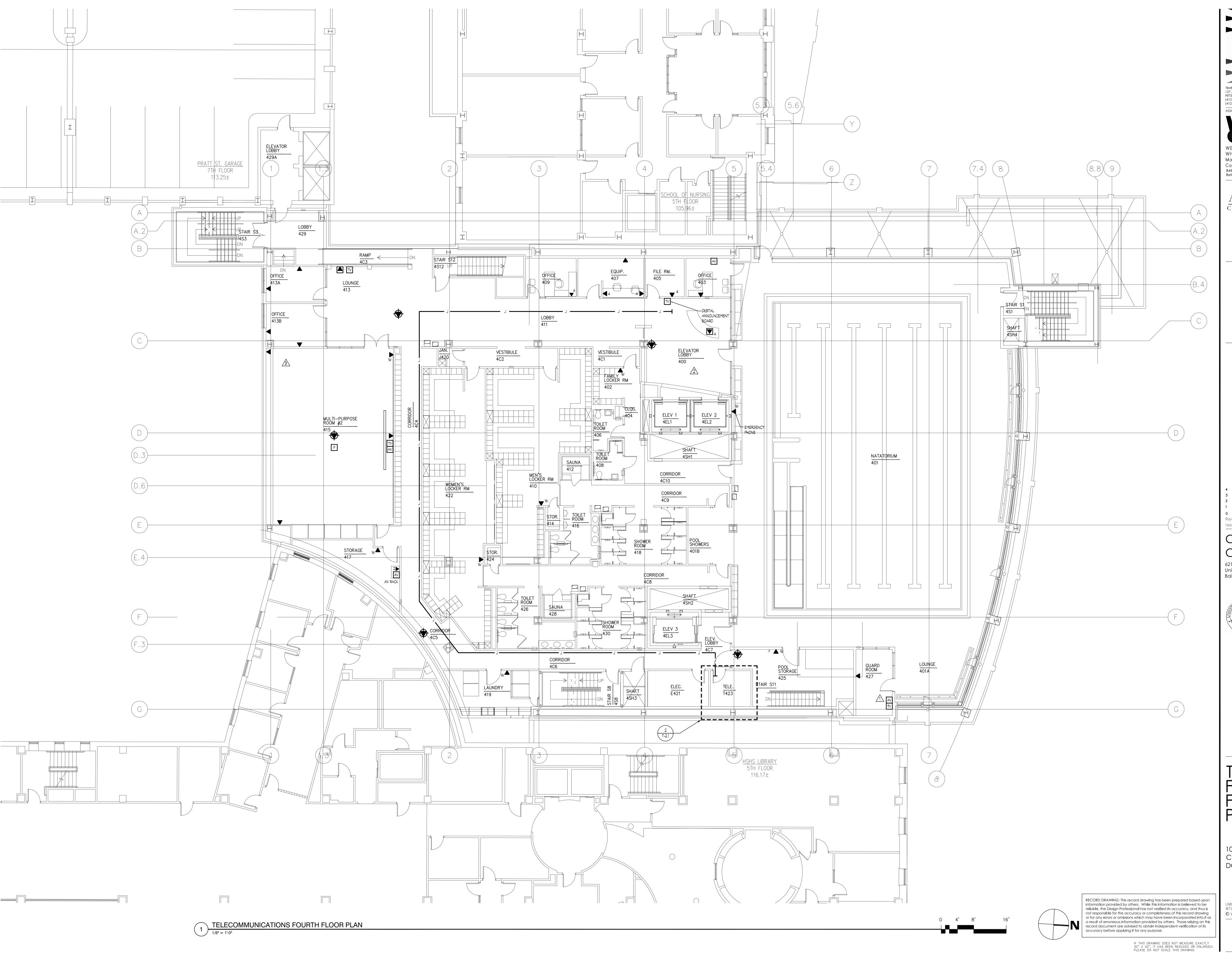
Telecom-Third Floor

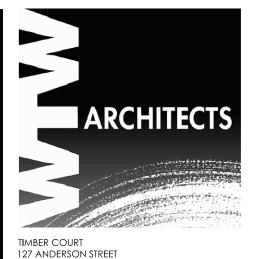
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3 12/10/08 Bulletin #82
2 07/29/08 Bulletin #53
1 06/06/08 Bulletin #49
0 05/02/07 For Construction
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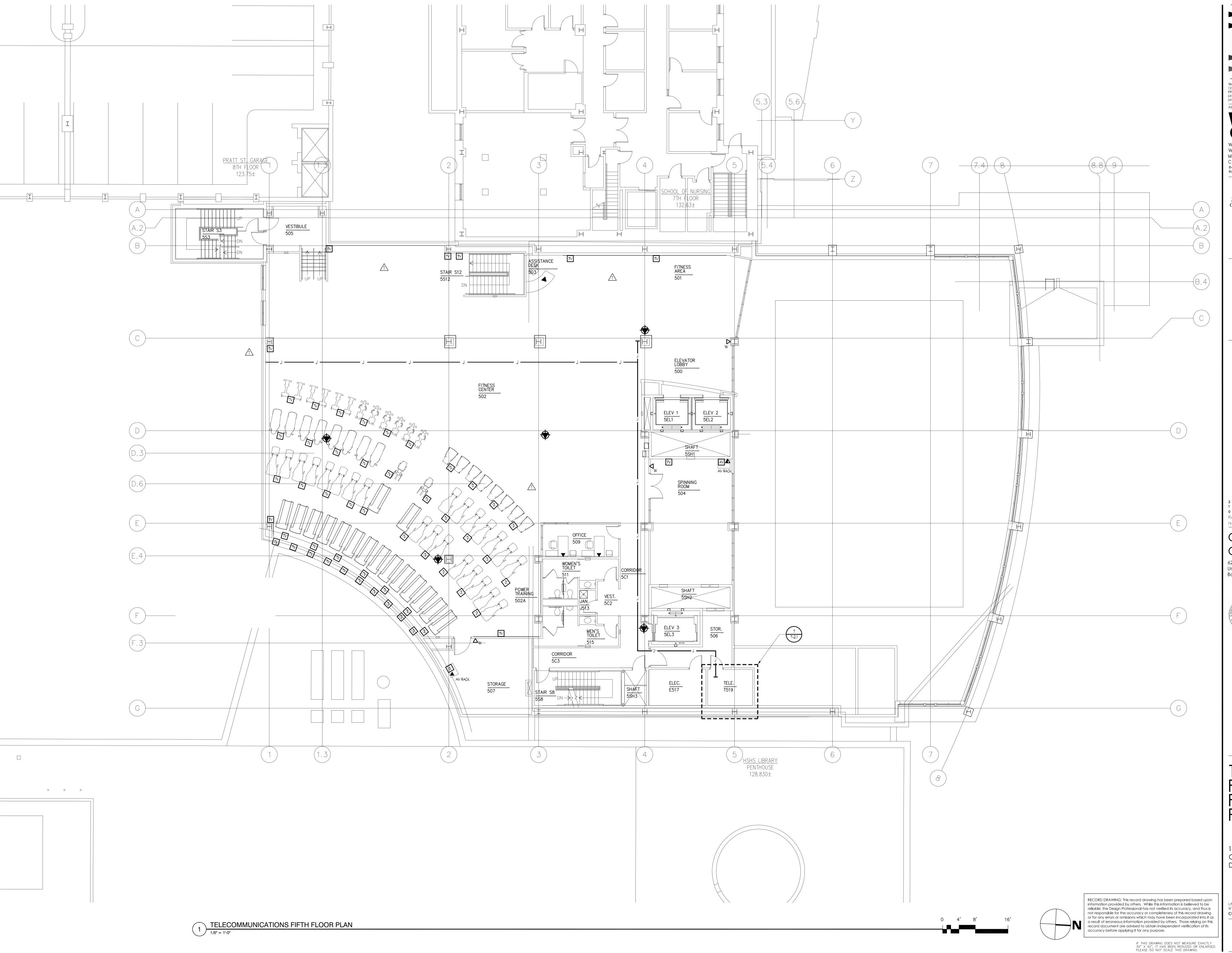


Telecom-Fourth Floor Plan

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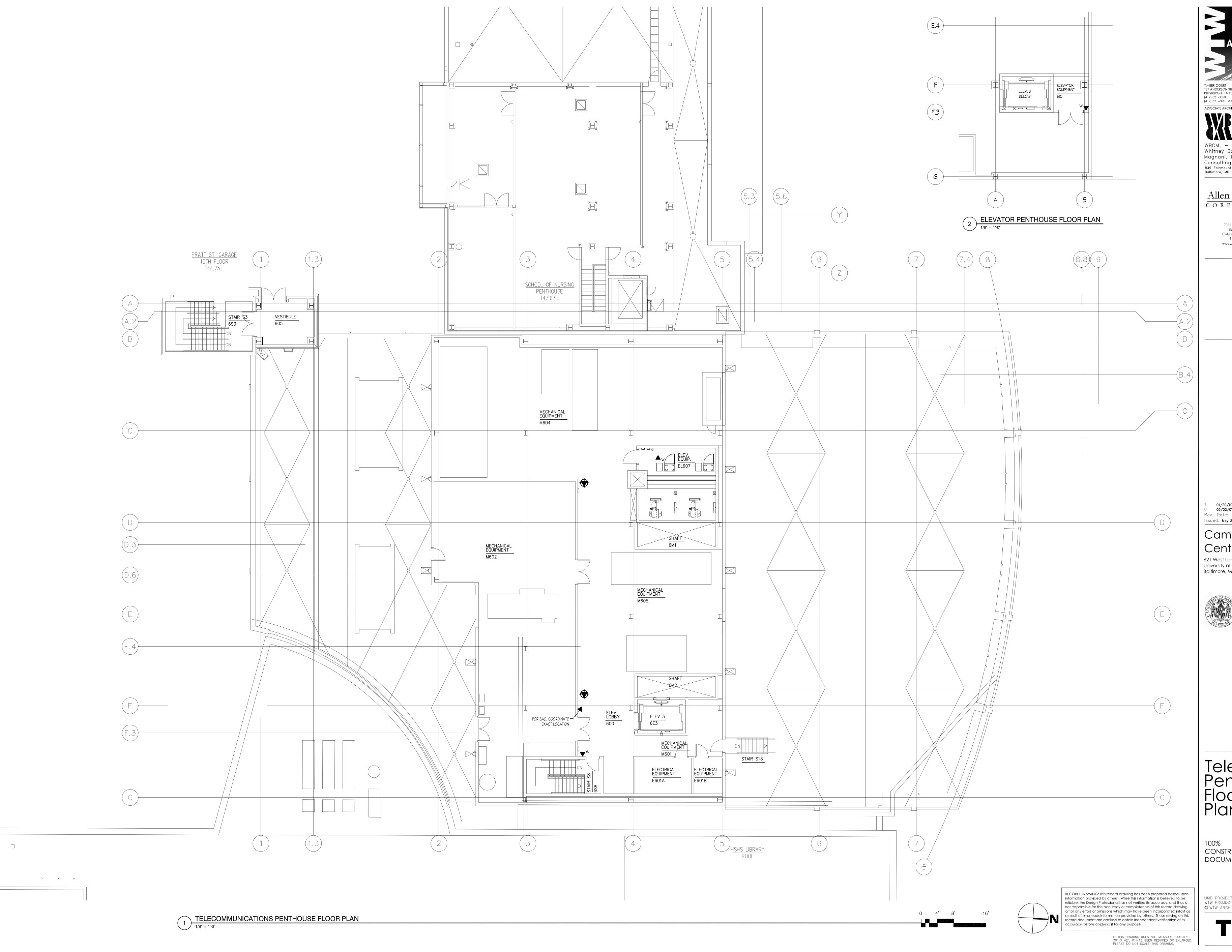


Telecom-Fifth Floor Plan

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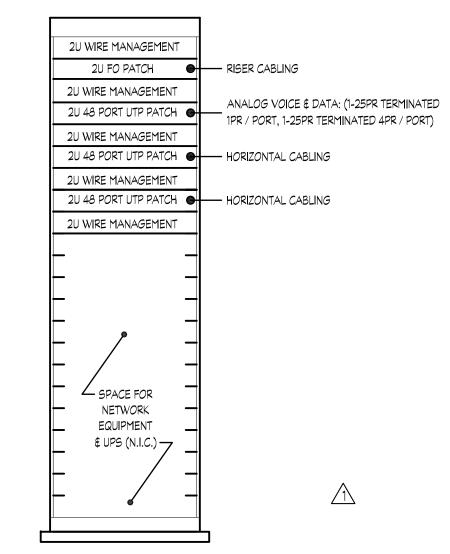
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Telecom-Penthouse Floor Plan

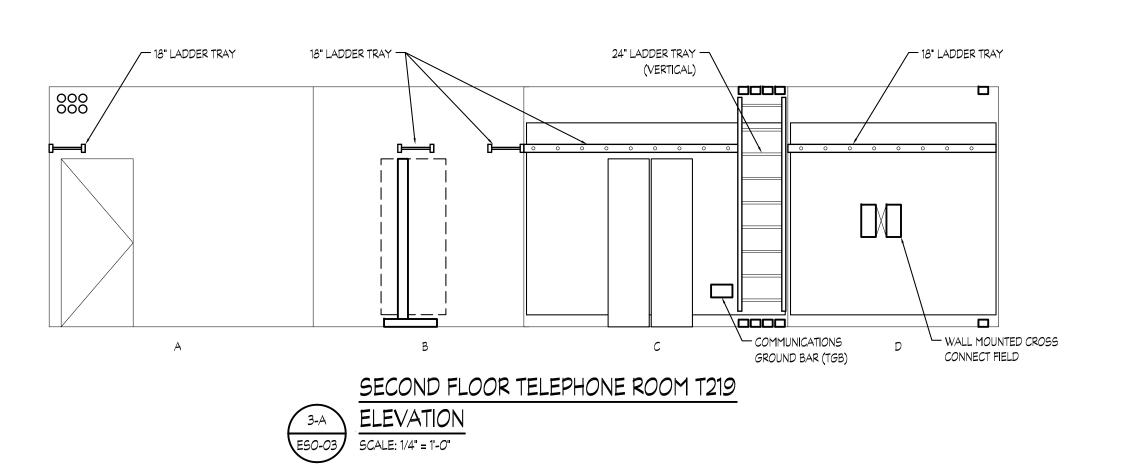
CONSTRUCTION DOCUMENTS



SECOND FLOOR TELEPHONE ROOM T219

RACK DETAIL

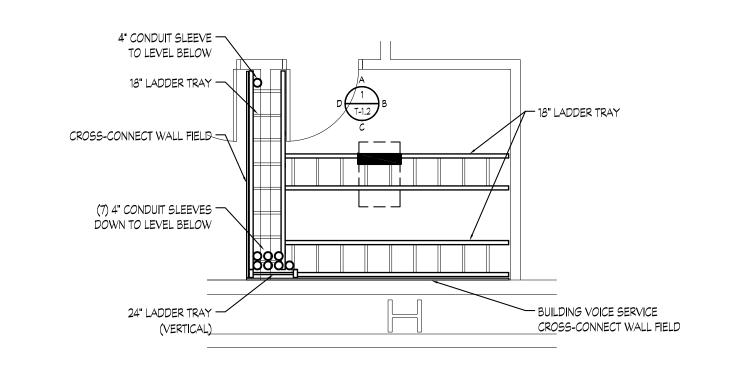
SCALE: N.T.S.



/ 18" LADDER TRAY

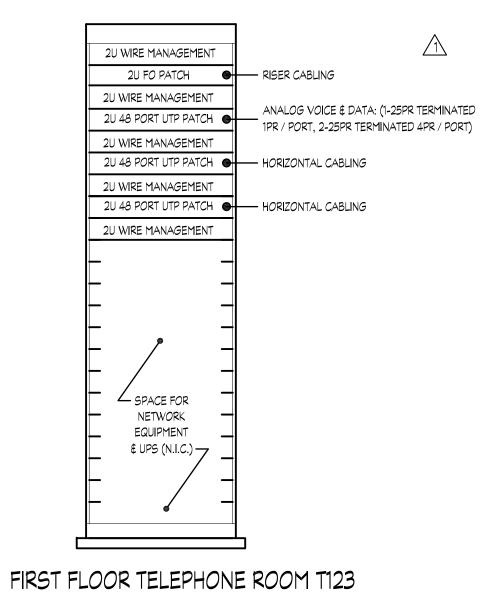
WALL MOUNTED CROSS

CONNECT FIELD



SECOND FLOOR TELEPHONE ROOM T219 PART PLAN

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

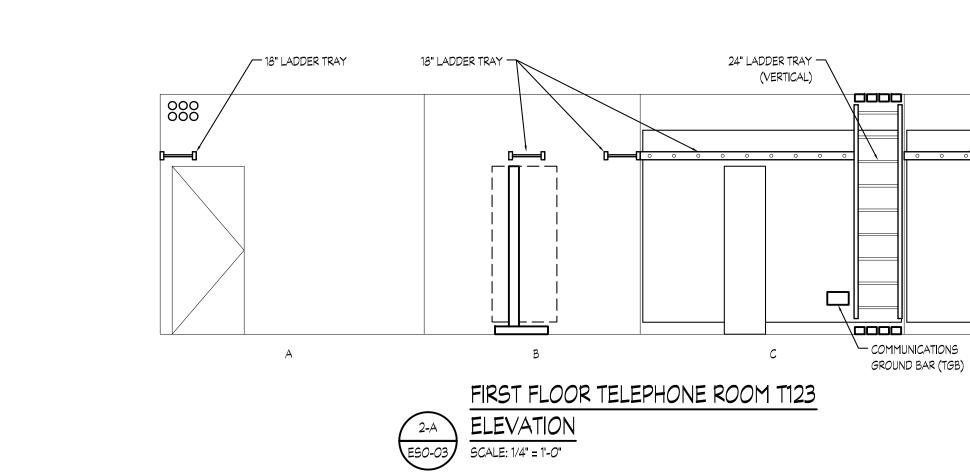


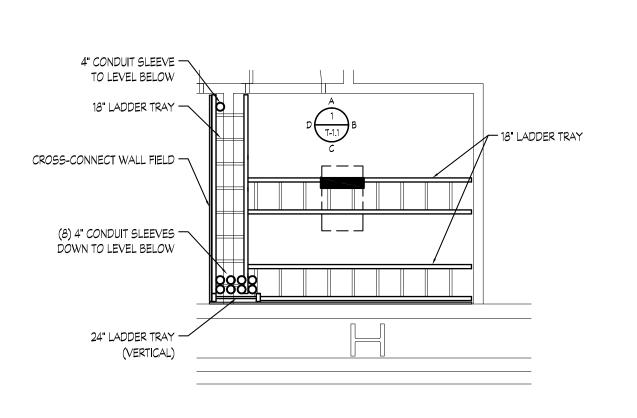
2-B RACK DETAIL SCALE: N.T.S.

ESO-03

SCALE: N.T.S.

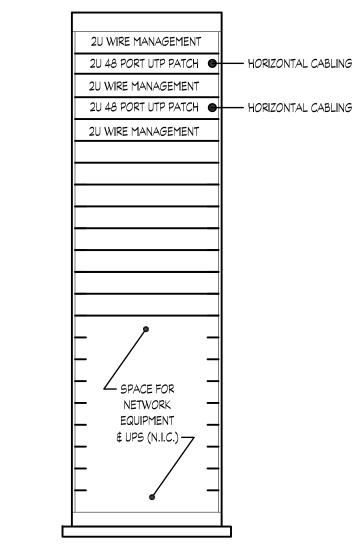
DETAIL NOTE:





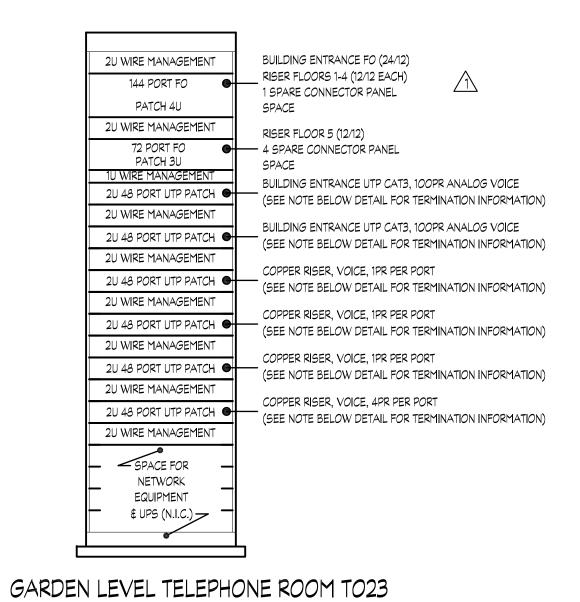
FIRST FLOOR TELEPHONE ROOM T123 PART PLAN

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



GARDEN LEVEL TELEPHONE ROOM TO23

ESO-03 SCALE: N.T.S.



1. INSTALL 100PR OSP UTP CABLE WITH MINIMUM SLACK LOOP OF TWENTY (20) FEET. STORE AND PROTECT SLACK LOOP.

- PAIRS 1-24 ON PATCH PANEL PORTS 1-1 THRU 1-24 ON PAIR POSITION #1 - PAIRS 26-49 ON PATCH PANEL PORTS 1-25 THRU 1-48 ON PAIR POSITION #1

- PAIRS 51-74 ON PATCH PANEL PORTS 2-1 THRU 2-24 ON PAIR POSITION #1 - PAIRS 76-99 ON PATCH PANEL PORTS 2-25 THRU 2-48 ON PAIR POSITION #1

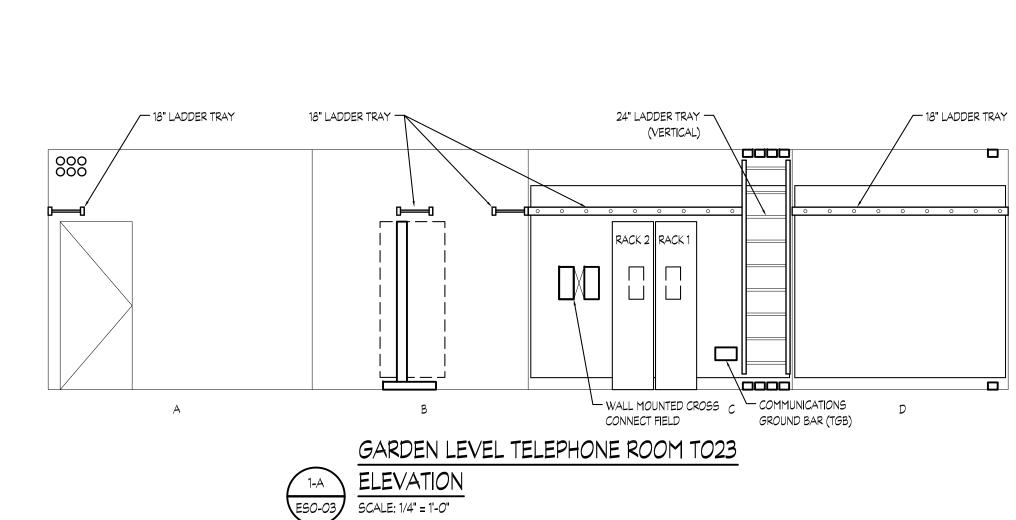
- 2ND 25PR CABLE PAIRS 1-24 TERMINATED 4 PAIR PER PORT FOR DATA

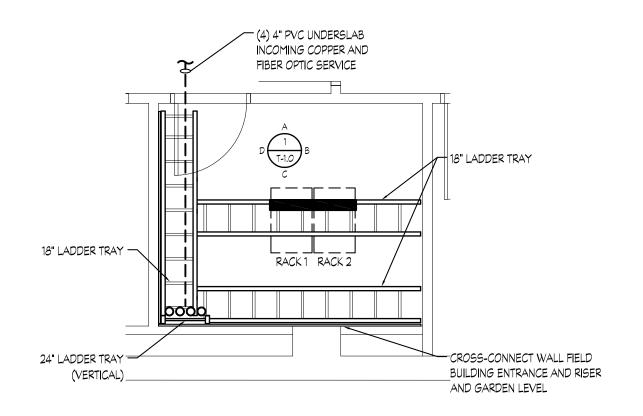
2. 25PR CAT 5E RISER CABLES ARE TO BE TERMINATED IN THE FOLLOWING CONFIGURATION: - 1ST 25PR CABLE PAIRS 1-24 TERMINATED 1 PAIR PER PORT FOR VOICE USING PAIR POSITION #1

- 3RD 25PR CABLE (FIRST FLOOR ONLY) PAIRS 1-24 TERMINATED 4 PAIR PER PORT FOR DATA

- PAIRS 25, 50, 75, 100 ARE NOT TERMINATED.

TERMINATE ALL CABLE PAIRS ON TWO RACK MOUNTED 48 PORT PATCH PANEL IDC TERMINALS IN THE FOLLOWING CONFIGURATION:





GARDEN LEVEL TELEPHONE ROOM TO23

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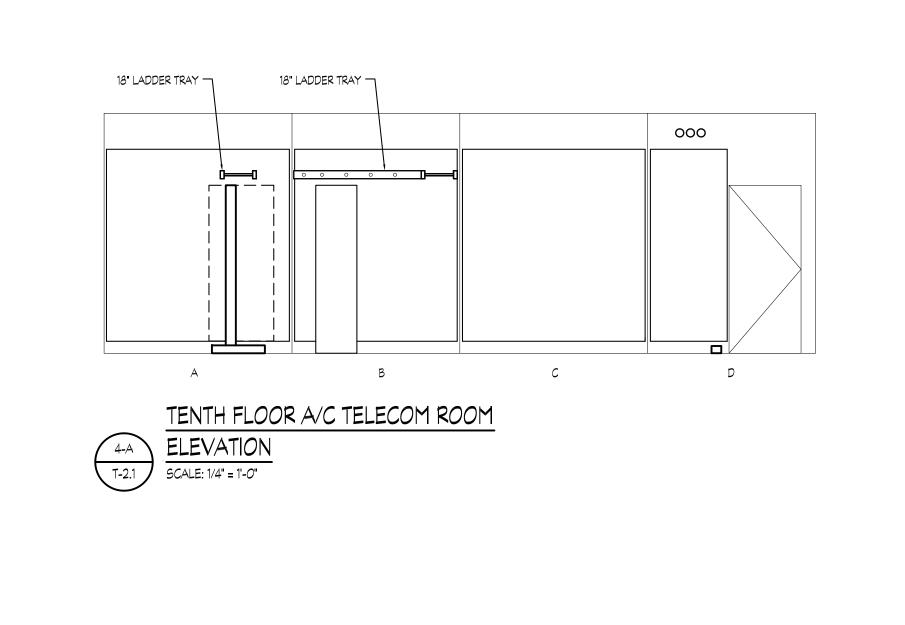
01/29/10 Record Drawing 08/25/10 Bulletin #58 05/02/07 For Construction Rev. Date: Comment: ssued: May 2, 2007

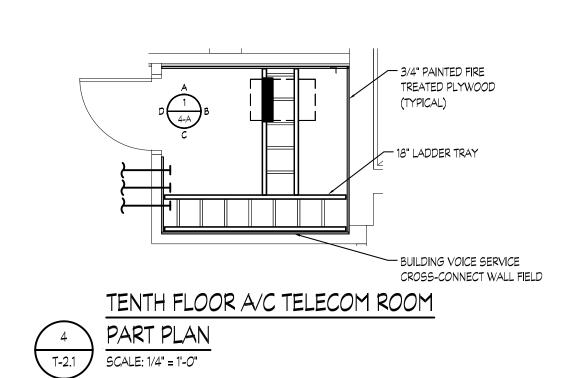
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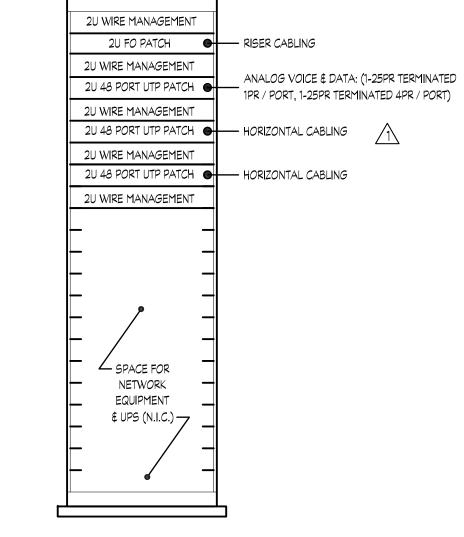


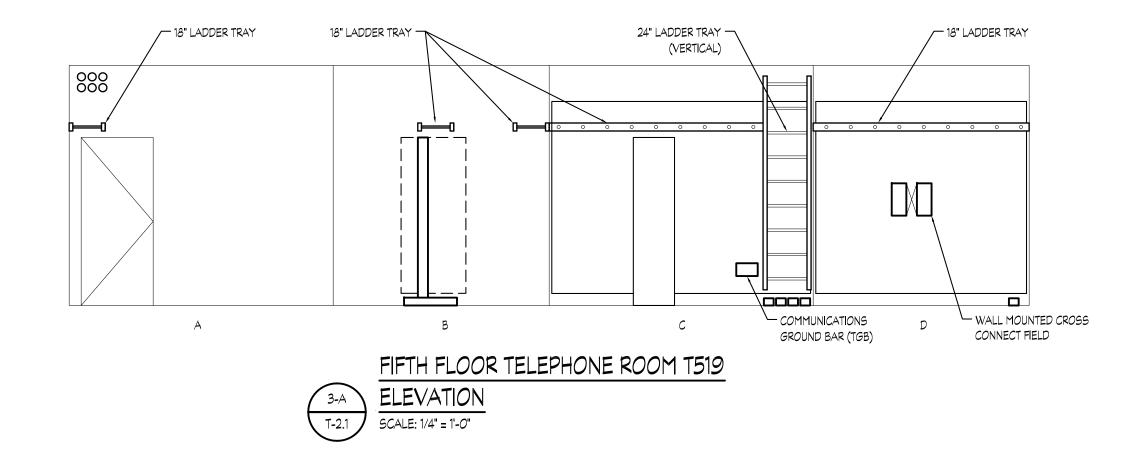


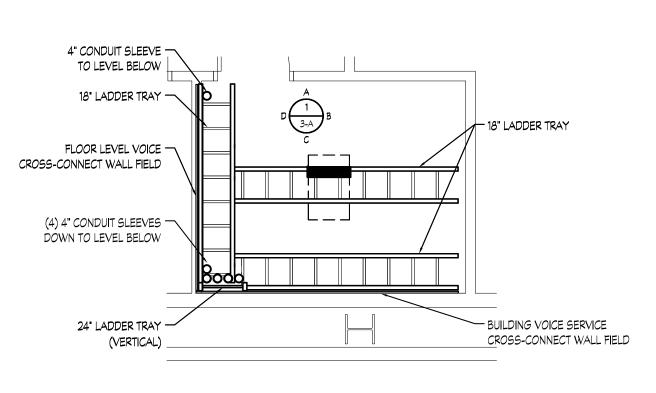
CONSTRUCTION DOCUMENTS







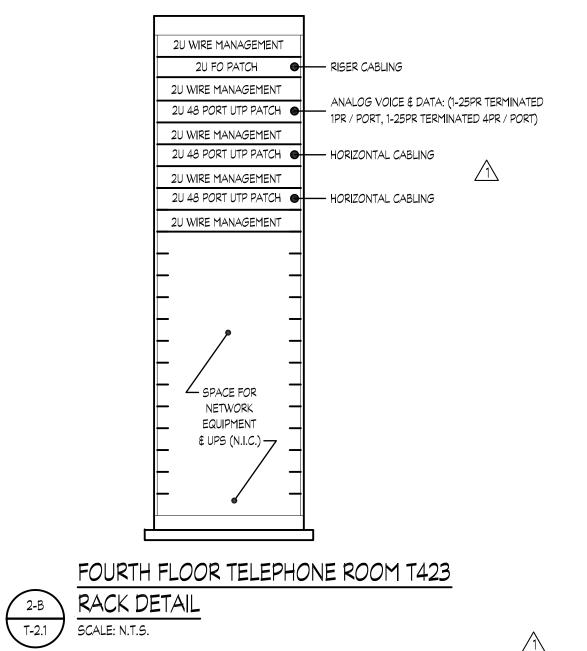


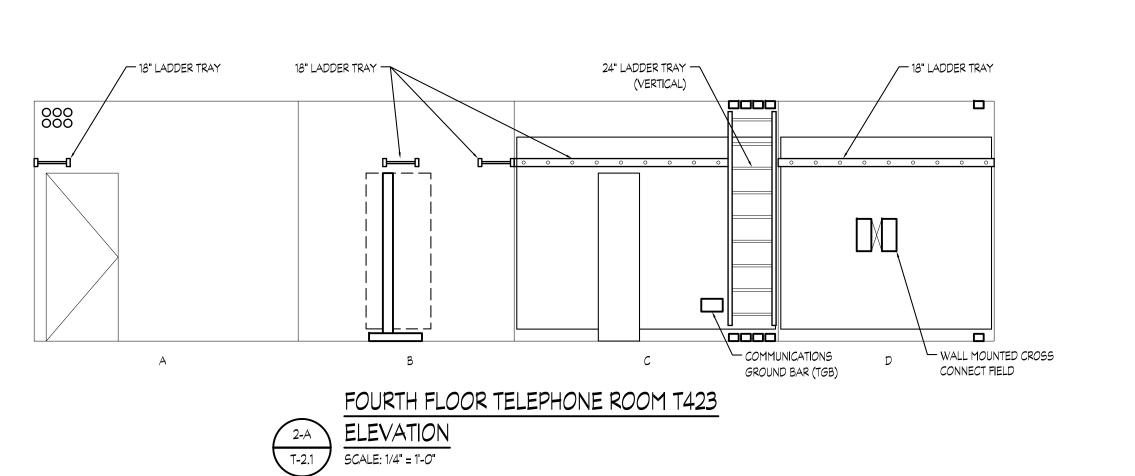


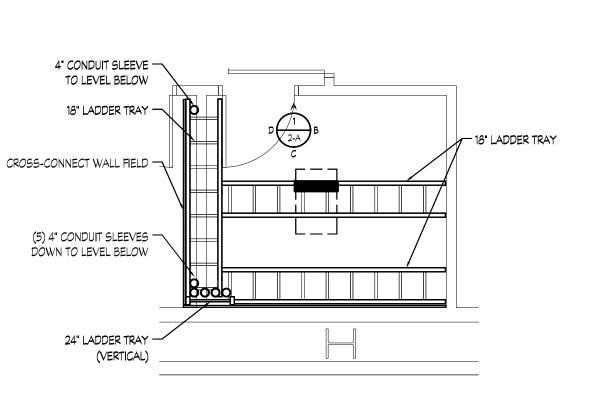


FIFTH FLOOR TELEPHONE ROOM T519 RACK DETAIL

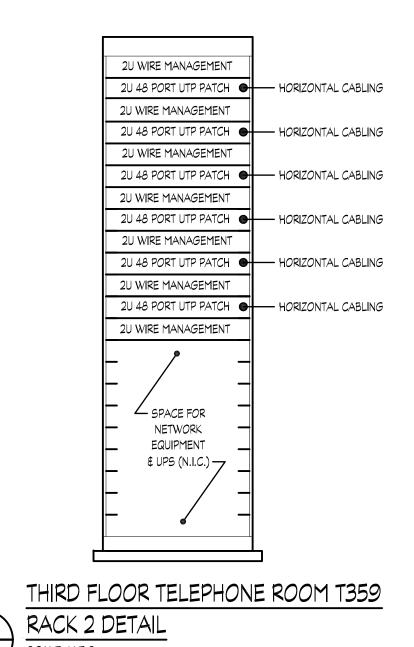
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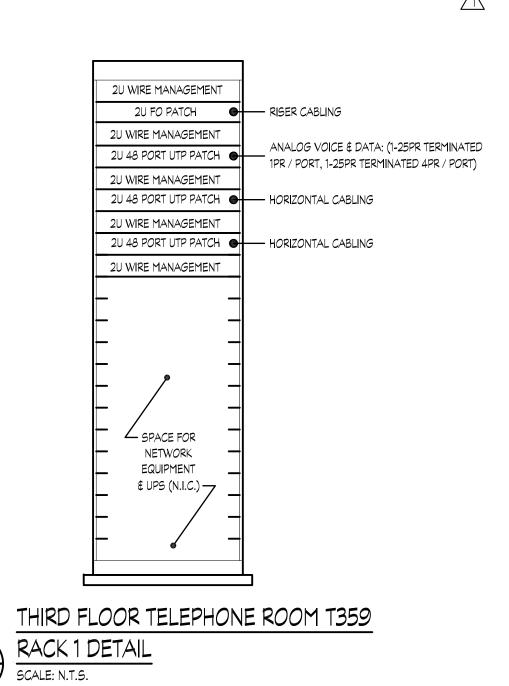


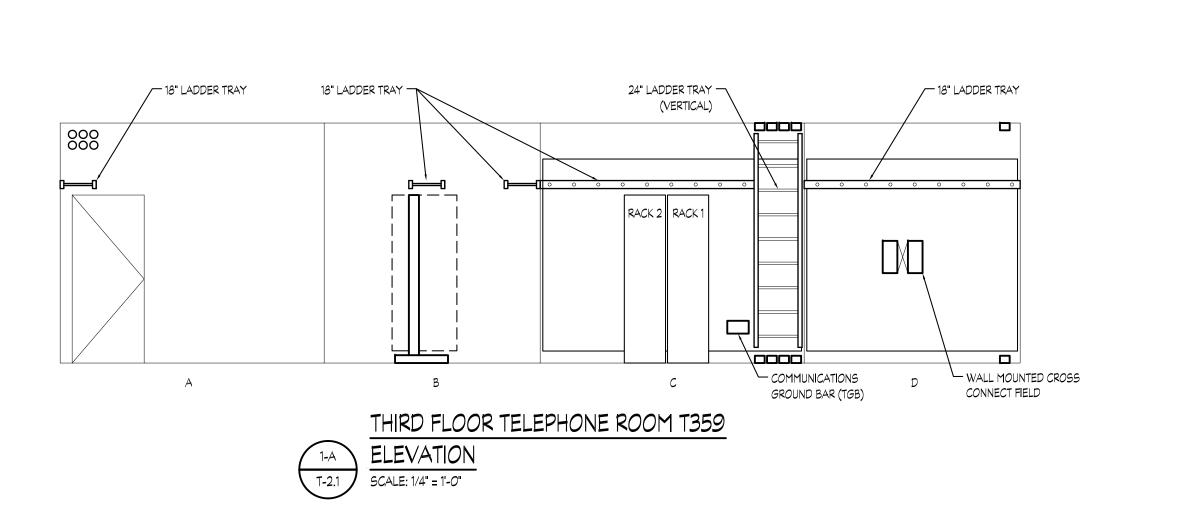


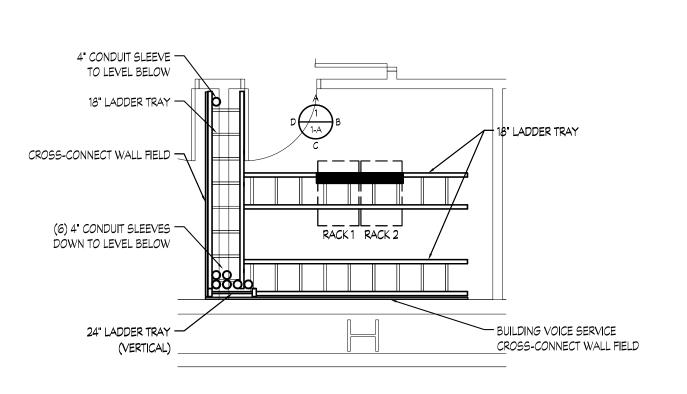
FOURTH FLOOR TELEPHONE ROOM T423
PART PLAN
SCALE: 1/4" = 1'-0" T-2.1



SCALE: N.T.S.







THIRD FLOOR TELEPHONE ROOM T359 PART PLAN

SCALE: 1/4" = 1-0"

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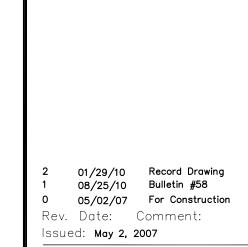
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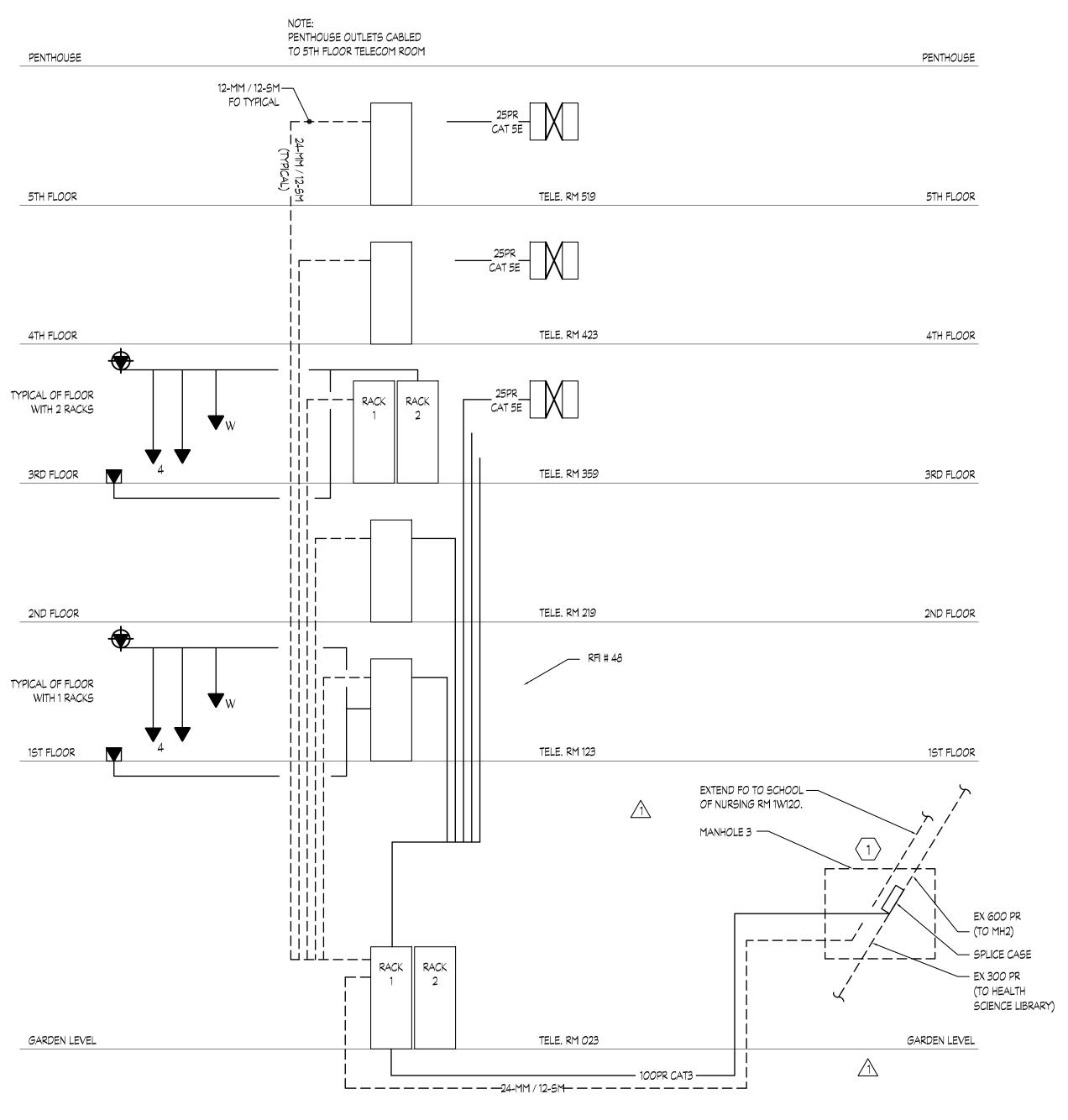
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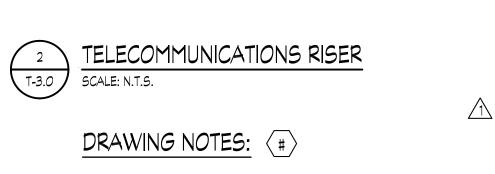
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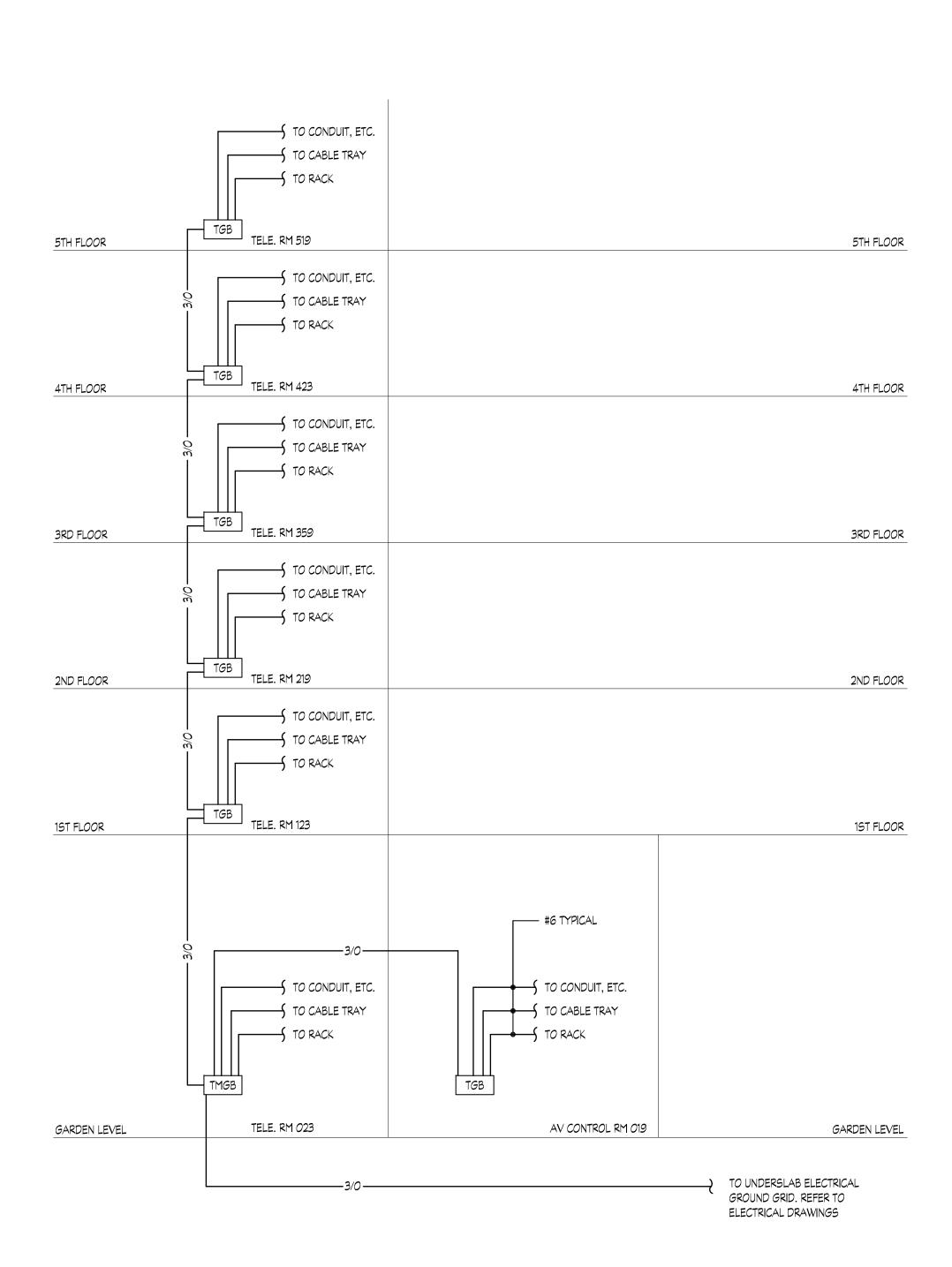
Telecom-Part Plans







REFER TO TD-1.1 FOR UMB DUCTBANK AND MANHOLE LOCATIONS. FO CABLE SHALL BE ROUTED FROM THE UCC TO THE CAMPUS MDF LOCATED IN SCHOOL OF NURSING ROOM 1W120 VIA MH 3, WEST TO MH 2 (CORNER OF LOMBARD/PENN), SOUTH (ALONG PENN) TO MH 14. THE ROUTE TURNS BACK NORTH AND EXTENDS TO THE SCHOOL OF NURSING VIA THE NEW MANHOLE (MH 21 OR 22) CONSTRUCTED IN THE ALLEY BEHIND THE SCHOOL OF NURSING. PROVIDE INNERDUCT AS REQUIRED AND OBTAIN UMB APPROVAL FOR DUCT SELECTIONS. UMB SHALL PROVIDE CONTRACTOR WITH EXACT RACK/PATCH PANEL TERMINATION LOCATION IN MDF 1W12O.





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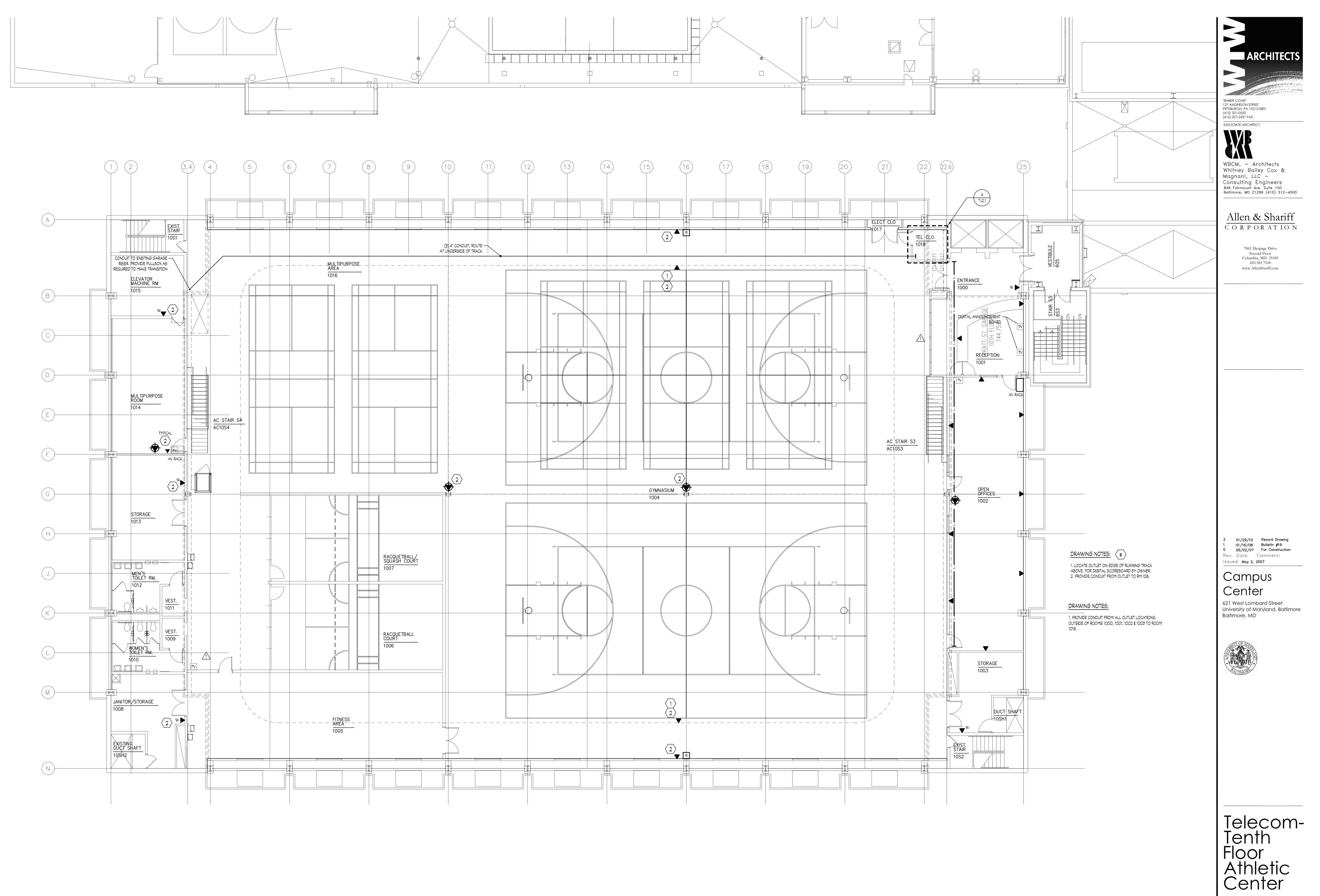
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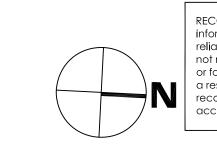
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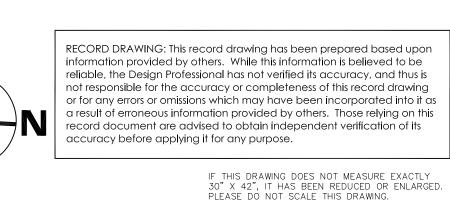
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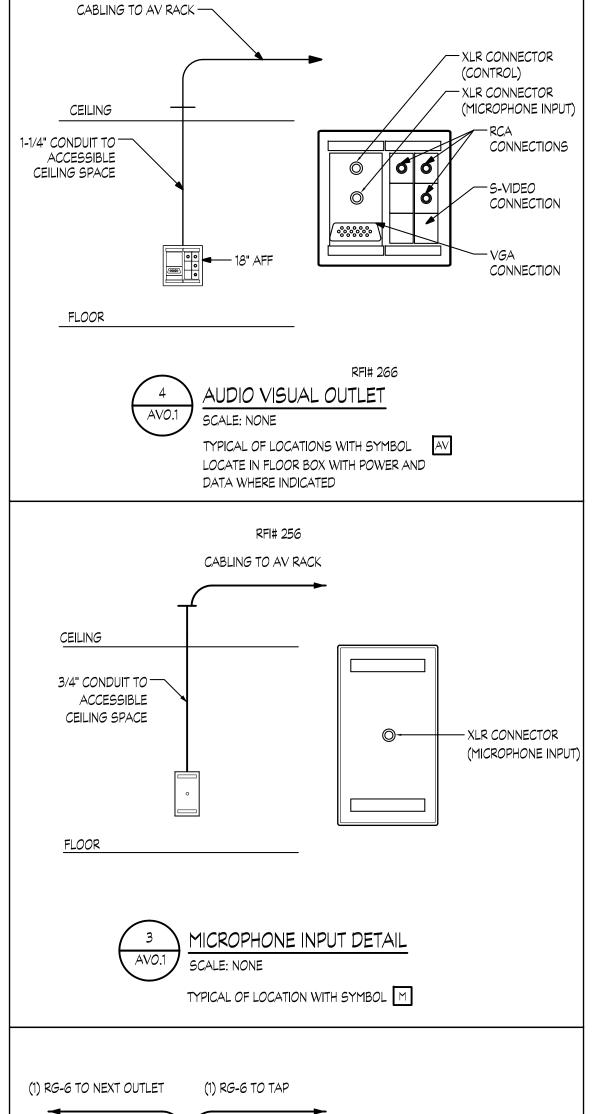
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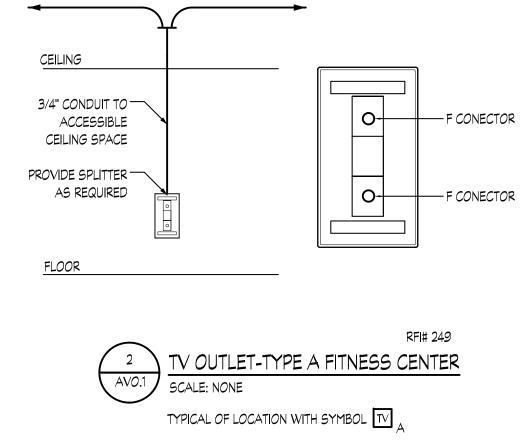


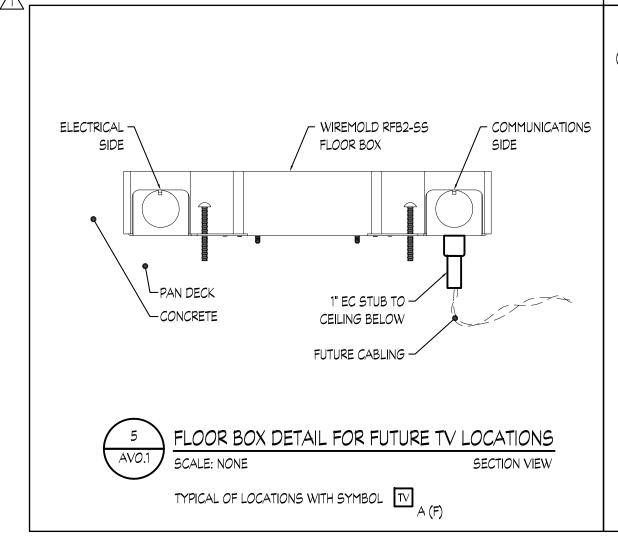
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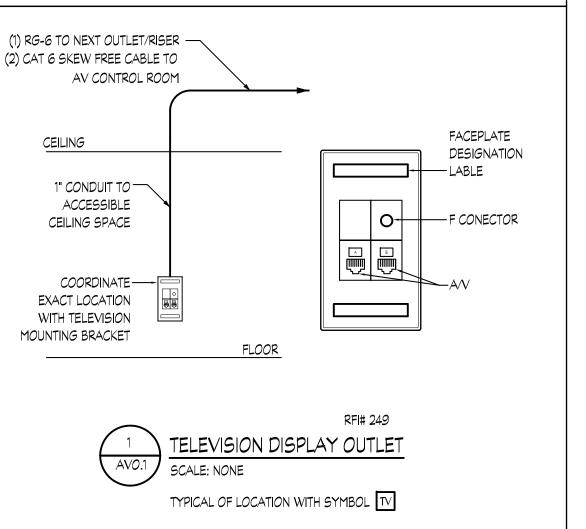


	DESCRIPTION	ITEM #	MANUFACTURER/MODEL	REMARKS
Δ	50" PLASMA DISPLAY	1,2	PIONEER PDP-507CMX PLASMA DISPLAY, 50", WITH TUNER CARD	
<u>2\</u>	50" PLASMA TV DISPLAY	4	PIONEER PDP-507CMX PLASMA DISPLAY, 50", WITH TUNER CARD	
	60" PLASMA TV DISPLAY	3	PIONEER PDP-6010FD PLASMA DISPLAY, 60", WITH TUNER CARD	
	32" LCD TV DISPLAY	14	TOSHIBA 32HL67U LCD TV	
	42" LCD TV DISPLAY	15, 20	TOSHIBA 42HL67 LCD TV	
	200" PROJECTION SCREEN	5 ^	DRAPER ACCESS SERIES V SCREEN	HI-DEF GREY, 4:3 ASPECT RATIO
	10' PROJECTION SCREEN	6 /3	DRAPER ACCESS SERIES V SCREEN	HI-DEF GREY, 4:3 ASPECT RATIO
	150" PROJECTION SCREEN	11	DRAPER ACCESS SERIES V SCREEN	HI-DEF GREY, 4:3 ASPECT RATIO
	LCD PROJECTOR	8	VIEWSONIC PJ1172 PROJECTOR	
	PROJECTOR LIFT	8	DRAPER AEROLIFT 50 MOTORIZED PROJECTOR LIFT	
	EQUIPMENT CABINET	13	CHATSWORTH M-SERIES MEGAFRAME, 48"	
	EQUIPMENT CABINET	12, 16, 17, 18, 19	CHATSWORTH M-SERIES MEGAFRAME, 28"	
	EQUIPMENT CABINET	9, 10	CHATSWORTH M-SERIES MEGAFRAME, 72"	









AUDIO-VISUAL GENERAL REQUIREMENTS & SPECIFICATIONS

1. WORK AND EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, AND STANDARDS OF ALL AUTHORITIES HAVING JURISDICTION. WHERE CONTRACT DOCUMENTS ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE AHJ SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

2. THE TERM "APPROVED EQUAL", "EQUAL TO", "EQUIVALENT", OR OTHER QUALIFYING TERMS INDICATE THAT ACCEPTANCE IS BASED STRICTLY ON REVIEWED APPROVAL BY ENGINEER.

3. THE CONTRACTOR IS RESPONSIBLE, AT HIS OWN COST, FOR WAREHOUSING OF ALL MATERIALS TO BE INSTALLED UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING AND PROTECTING OWNER FURNISHED ITEMS AND SHALL PROVIDE AND MAINTAIN LOCKED STORAGE ROOMS AT BUILDING PREMISES WHEN REQUIRED.

4. WORK SHALL BE EXECUTED IN A GOOD WORKMANLIKE MANNER USING MECHANICS SKILLED IN THEIR RESPECTIVE TRADES, AND SHALL INCLUDE ALL LABOR AND MATERIALS ESSENTIAL TO PROVIDE COMPLETED FUNCTIONING SYSTEMS DESCRIBED. IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT OF NEED FOR EXPLANATION THEREOF, THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR COORDINATING THE WORK UNDER THIS CONTRACT. NO CHANGES ARE TO BE MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL FO THE ENGINEER. THE CONTRACTOR SHALL HOLD THE OWNER AND CONSULTANTS HARMLESS AGAINST ALL CLAIMS AND JUDGMENTS ARISING OUT OF THE CONTRACTORS PERFORMANCE OF THE WORK IN THIS CONTRACT.

5. EXISTING BUILDING IN WHICH THIS WORK IS TO TAKE PLACE IS TO REMAIN OCCUPIED. PROTECT THE BUILDING PREMISES AND ALL OCCUPANTS ON THE PROJECT SITE. COORDINATE WORK ACTIVITIES AS REQUIRED TO LIMIT DISTURBANCE TO OCCUPANTS AND THEIR DAILY ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES CAUSED BY IMPROPER PROTECTION AND SHALL MAKE ALL NECESSARY REPAIRS OR REPLACEMENTS WITHOUT COST TO THE OWNER OR THE AFFECTED PARTY.

6. VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO SUBMITTAL OF PRICE PROPOSAL FOR THE WORK OF THIS CONTRACT. REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER PRIOR TO SUBMISSION OF PROPOSAL. THE CONTRACTOR, BY SUBMITTING A BID PROPOSAL AGGRESS TO ACCEPT ALL EXISTING SITE CONDITIONS NOT SPECIFICALLY EXCEPTED, ALL EXCEPTIONS SHALL BE PROVIDED IN WRITING WITH THE BID PROPOSAL.

7. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION MAY INVALIDATE ANY CLAIM FOR ADDITIONAL COMPENSATION.

8. WHEREVER FIRE RATED PARTITIONS ARE PENETRATED FOR WIRE, CONDUIT, WIREWAY, OR OTHER PURPOSES, SEAL THE PENETRATION WITH CODE APPROVED, LABORATORY TESTED AND LABELED SEALANT OF FIRE RESISTANCE RATING NOT LESS THAN THAT OF PENETRATED ASSEMBLY.

9. ALL NEW MATERIALS SHALL BE BEST OF THEIR KIND, FREE FROM DEFECTS, AND LISTED BY THE UNDERWRITERS LABORATORIES, INC. CHECK EQUIPMENT DIMENSIONS FOR ADEQUATE SPACE ALLOTMENT ON THE PROJECT. EQUIPMENT SPECIFIED IS THE BASIS OF DESIGN, ANY SUBSTITUTIONS MUST BE REVIEWED AND APPROVED BY THE ENGINEER.

10. BEFORE ORDERING EQUIPMENT, SUBMIT FOR REVIEW THREE COPIES OF MANUFACTURES CATALOG DATA FOR ALL COMPONENTS. IF CONTRACTOR PROPOSES TO SUBSTITUTE EQUIPMENT FOR THAT SPECIFIED, A COMPARISON SHEET SHALL BE PROVIDED. CONTRACTOR SHALL SUBMIT THREE COPIES OF SHOP DRAWINGS INDICATING EQUIPMENT INSULATION AND CABLING DETAILS.

11. DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE MAJOR COMPONENTS AND GENERAL LOCATIONS OF WORK AND SYSTEMS. PROVIDE ALL REQUIRED EQUIPMENT FOR A FULLY OPERATIONAL SYSTEM(S). CONTRACTOR SHALL PROVIDE THREE COPIES OF SHOP DRAWINGS FOR REVIEW.

12. CONTRACTOR SHALL COORDINATE WORK WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND ANY OTHER ELEMENTS. CONTRACTOR SHALL REFERENCE AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT A/V EQUIPMENT LOCATIONS. CONTRACTOR SHALL COORDINATE EXACT CONDUIT AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

13. FURNITURE LAYOUTS SHOWN REPRESENT INFORMATION AVAILABLE AT DATE OF DRAWING ISSUE. VERIFY FINAL QUANTITY AND LOCATION WITH THE OWNER.

	AUDIO - VISUAL SYN	AUDIO - VISUAL SYMBOLS LE						
SYMBOL	DESCRIPTION	MOUNT	REMARKS					
AV	AV WALL OUTLET	18" AFF UNO						
AV	AV FLOOR OUTLET	IN FLOOR						
TV	TV WALL OUTLET		1900 BOX, SINGLE GANG PLASTER RING, 1" C TO CEILING.					
TV A	TV WALL OUTLET		1900 BOX, SINGLE GANG PLASTER RING, 1" C TO CEILING.					
Р	AV PROJECTOR LOCATION	CEILING						
<u>ss</u>	AUDIO A/B SELECTOR SWITCH	MATCH SWITCHES	1900 BOX, SINGLE GANG PLASTER RING, 1" C TO CEILING.					
(5)	SPEAKER - CEILING	CEILING						
V	AV SPEAKER VOLUME CONTROL	MATCH SWITCHES	1900 BOX, SINGLE GANG PLASTER RING, 3/4" C TO CEILING.					
	PROJECTOR SCREEN							
	WALL DISPLAY							
#	AV EQUIPMENT ID SYMBOL		REFER TO EQUIPMENT LEGEND.					
C	AV CONTROL STATION							
M	MICROPHONE JACK							

AUDIO-VISUAL SYSTEMS FUNCTIONAL DESCRIPTION

OVERVIEW: THE SYSTEM IS DESIGNED TO PROVIDE A CENTRAL AV SIGNAL SWITCHING LOCATION THAT ALLOWS INCOMING SIGNALS (FROM ROOMS/MEETING SPACES) TO BE RECORDED AND/OR DISTRIBUTED TO OTHER DISPLAY DEVICES OUTSIDE OF THE ROOM OF

IN THE FUTURE THIS AV ROOM MAY SUPPORT THE ADJACENT SCHOOL OF NURSING AND HEALTH SCIENCES LIBRARY BUILDINGS AND BE CONNECTED WITH OTHER CAMPUS AV ROOMS FOR EXCHANGE AND DISTRIBUTION OF SIGNALS.

AV CONTROL ROOM: SHALL BE EQUIPPED WITH MATRIX AV SWITCHING TO ALLOW SIGNALS TO BE DIRECTED FROM AND TO MULTIPLE LOCATIONS. THE MATRIX SWITCHING SHALL BE CONTROLLED FROM WITHIN THE AV CONTROL ROOM AND AS PROGRAMMED FROM VARIOUS AV EQUIPPED ROOMS. THE AV CONTROL ROOM SHALL ALSO BE PROVIDED WITH REMOTE ACCESS/CONTROL TO ROOM INTEGRATED CONTROL SYSTEMS.

ABILITY TO RECORD TO AND PLAYBACK PROGRAMMING FROM COMMON CD, DVD, AND VHS MEDIA SHALL BE PROVIDED.

INCOMING CATV SIGNALS SHALL BE PROCESSED PRIOR TO DISTRIBUTION DIRECTLY TO DISPLAY LOCATIONS OR VIA THE AV SIGNAL DISTRIBUTION SYSTEM. PROVIDE AMPLIFIERS AS REQUIRED TO MAINTAIN ADEQUATE SIGNAL STRENGTH. PROVIDE CAPABILITY FOR FILTER ELIMINATION OF 6 CHANNELS.

DIGITAL ANNOUNCEMENT BOARDS: LOCATED IN LOBBY SPACES TO PROVIDE STATIC AND DYNAMIC INFORMATION. PROVIDE HARDWARE AND SOFTWARE TO SUPPORT THESE DISPLAYS FROM THE AV ROOM AND TO ALLOW REMOTE MESSAGE FORMATING VIA A LAN CONNECTION. THE DISPLAYS WILL ALSO BE CAPABLE OF DISPLAYING PROGRAM MATERIAL VIA THE AV MATRIX SWITCH.

DINING 104: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV CONTROL ROOM. AUDIO ZONE A SHALL BE CONTROLLED FROM AV CONTROL ROOM AND MAY BE USED TO SUPPORT PLASMA DISPLAY AUDIO OR VIDEO ONLY.

LOUNGE 109: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV CONTROL ROOM.

DINING ROOM 201; PLASMA DISPLAYS SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV CONTROL ROOM. CEILING SPEAKERS SHALL PROVIDE BACKGROUND MUSIC SUPPLIED FROM AV CONTROL ROOM.

CONFERENCE ROOM 203: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM

CONFERENCE ROOM 223: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM

PREFUNCTION LOUNGE 207: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM

BALLROOM A/B 206/210: BALLROOMS SHALL BE ABLE TO FUNCTION AS MERGED AND SEPARATED SPACES. PROVIDE TWO PODIUM SETS WITH ABILITY TO PROVIDE PC INPUT, WIRED PODIUM MICROPHONE, WIRELESS MICROPHONE. AND INTEGRATED AV CONTROL STATION. INTEGRATED AV CONTROL SHALL SUPPORT ALL FUNCTIONS WITHIN THE ROOM TO INCLUDE WALL DISPLAYS, PROJECTOR AND SCREEN, LIGHTING, SHADES, AND SPEAKERS/AMPLIFICATION. EQUIPMENT SHALL BE LOCATED IN A RACK LOCATED ADJACENT TO THE BALLROOMS. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. ROOM IS INTERFACED WITH AV CONTROL ROOM.

CONFERENCE ROOM 311: PLASMA DISPLAY SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV

MULTIPURPOSE ROOM #1 349: MULTIPURPOSE ROOM SHALL BE PROVIDED WITH A PODIUM SET WITH ABILITY TO PROVIDE PC INPUT, WIRED PODIUM MICROPHONE, WIRELESS MICROPHONE. AND INTEGRATED AV CONTROL STATION. INTEGRATED AV CONTROL SHALL SUPPORT ALL FUNCTIONS WITHIN THE ROOM TO INCLUDE WALL DISPLAYS, PROJECTOR AND SCREEN, LIGHTING, SHADES, AND SPEAKERS/AMPLIFICATION. EQUIPMENT SHALL BE LOCATED IN A RACK LOCATED ADJACENT TO THE MP ROOM. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. ROOM IS INTERFACECD WITH AV CONTROL ROOM.

CONFERENCE ROOM 351: CONFERENCE ROOM SHALL BE PROVIDED WITH A PODIUM SET WITH ABILITY TO PROVIDE PC INPUT, WIRED PODIUM MICROPHONE, WIRELESS MICROPHONE. AND INTEGRATED AV CONTROL STATION. INTEGRATED AV CONTROL SHALL SUPPORT ALL FUNCTIONS WITHIN THE ROOM TO INCLUDE WALL DISPLAYS, PROJECTOR AND SCREEN, LIGHTING, SHADES, AND SPEAKERS/AMPLIFICATION. EQUIPMENT SHALL BE LOCATED IN A RACK LOCATED ADJACENT TO THE CONFERENCE ROOM. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. ROOM IS INTERFACED WITH AV CONTROL ROOM.

NATATORIUM 401: POOL IS PROVIDED WITH HORN TYPE SPEAKERS. PRIMARYAUDIO SOURCE IS LOCATED IN OFFICE 409 WITH A VOLUME CONTROL AND REMOTE INPUT LOCTION IN OFFICE 403. NO INTERFACE WITH AV CONTROL ROOM.

LOBBY 411: LOBBY IS PROVIDED WITH CEILING SPEAKERS. PRIMARY AUDIO SOURCE IS LOCATED IN OFFICE 409 WITH A VOLUME CONTROL IN CONTROL 405. SPEAKERS HAVE NO INTERFACE WITH AV CONTROL ROOM. REAR PROJECTION TV SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV CONTROL ROOM.

LOCKER ROOMS 402, 410, 422: LOCKER ROOMS ARE PROVIDED WITH CEILING SPEAKERS.
PRIMARY AUDIO SOURCE IS LOCATED IN OFFICE 409 WITH A VOLUME CONTROL IN CONTROL
405. SPEAKERS HAVE NO INTERFACE WITH AV CONTROL ROOM

MULTIPURPOSE ROOM #2 415: MULTIPURPOSE ROOM SHALL BE PROVIDED WITH A PODIUM SET WITH ABILITY TO PROVIDE PC INPUT, WIRED PODIUM MICROPHONE, WIRELESS MICROPHONE. AND INTEGRATED AV CONTROL STATION. INTEGRATED AV CONTROL SHALL SUPPORT ALL FUNCTIONS WITHIN THE ROOM TO INCLUDE PROJECTOR AND SCREEN, LIGHTING, SHADES, AND SPEAKERS/AMPLIFICATION. EQUIPMENT SHALL BE LOCATED IN A RACK LOCATED ADJACENT TO THE MP ROOM. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. ROOM IS INTERFACECD WITH AV CONTROL ROOM.

FITNESS CENTER 501, 502, 502A: FITNESS AREAS ARE PROVIDED WITH CEILING SPEAKERS. PRIMARY AUDIO SOURCE IS LOCATED IN OFFICE 409 WITH A VOLUME CONTROL AT ASSISTANCE DESK 503. SPEAKERS HAVE NO INTERFACE WITH AV CONTROL ROOM. CEILING MOUNTED DISPLAYS ARE LOCATED IN FITNESS AREAS, LOCATIONS TO BE COORDINATED WITH FITNESS EQUIPMENT. LCD TV'S SHALL DISPLAY CATV SIGNALS AND CHANNEL CONTROL MAY BE INTERFACED WITH FITNESS EQUIPMENT VIA UMB PROVIDED SYSTEMS. NO INTERFACE WITH AV CONTROL ROOM.

SPININNG ROOM 504: ROOM SHALL HAVE CEILING MOUNTED SPEAKERS SUPPORTED FROM RACK WITHIN ROOM. RACK SHALL PROVIDE AMPLIFICATION AND SUPPORT PLAYBACK OF DVD'S. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. NO INTERFACE WITH AV CONTROL ROOM.

ENTRANCE 1000: PLASMA DISPLAYS SHALL DISPLAY CATV SIGNAL OR INPUT FROM AV CONTROL ROOM.

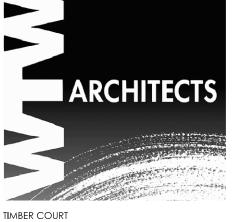
GYMNASIUM 1004: ROOM SHALL HAVE CEILING MOUNTED SPEAKERS SUPPORTED FROM RACK IN OPEN OFFICES 1002. RACK SHALL PROVIDE AMPLIFICATION AND SUPPORT PLAYBACK OF DVD'S. MICROPHONE LOCATIONS ARE PROVIDED ON EAST AND WEST WALLS OF GYM. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. NO INTERFACE WITH AV CONTROL ROOM.

MULTIPURPOSE ROOM 1014: ROOM SHALL HAVE CEILING MOUNTED SPEAKERS SUPPORTED FROM RACK WITHIN ROOM. RACK SHALL PROVIDE AMPLIFICATION AND SUPPORT PLAYBACK OF DVD'S. PROVIDE AUDIO AND VIDEO INPUTS AT THE RACK FOR PORTABLE DEVICES. NO INTERFACE WITH AV CONTROL ROOM.

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01/29/10 Record Drawing 07/29/08 Bulletin #53 05/09/08 Plan Revisions 01/16/08 Bulletin #19

05/02/07 For Construction

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Rev. Date: Comment:

ssued: May 2, 2007

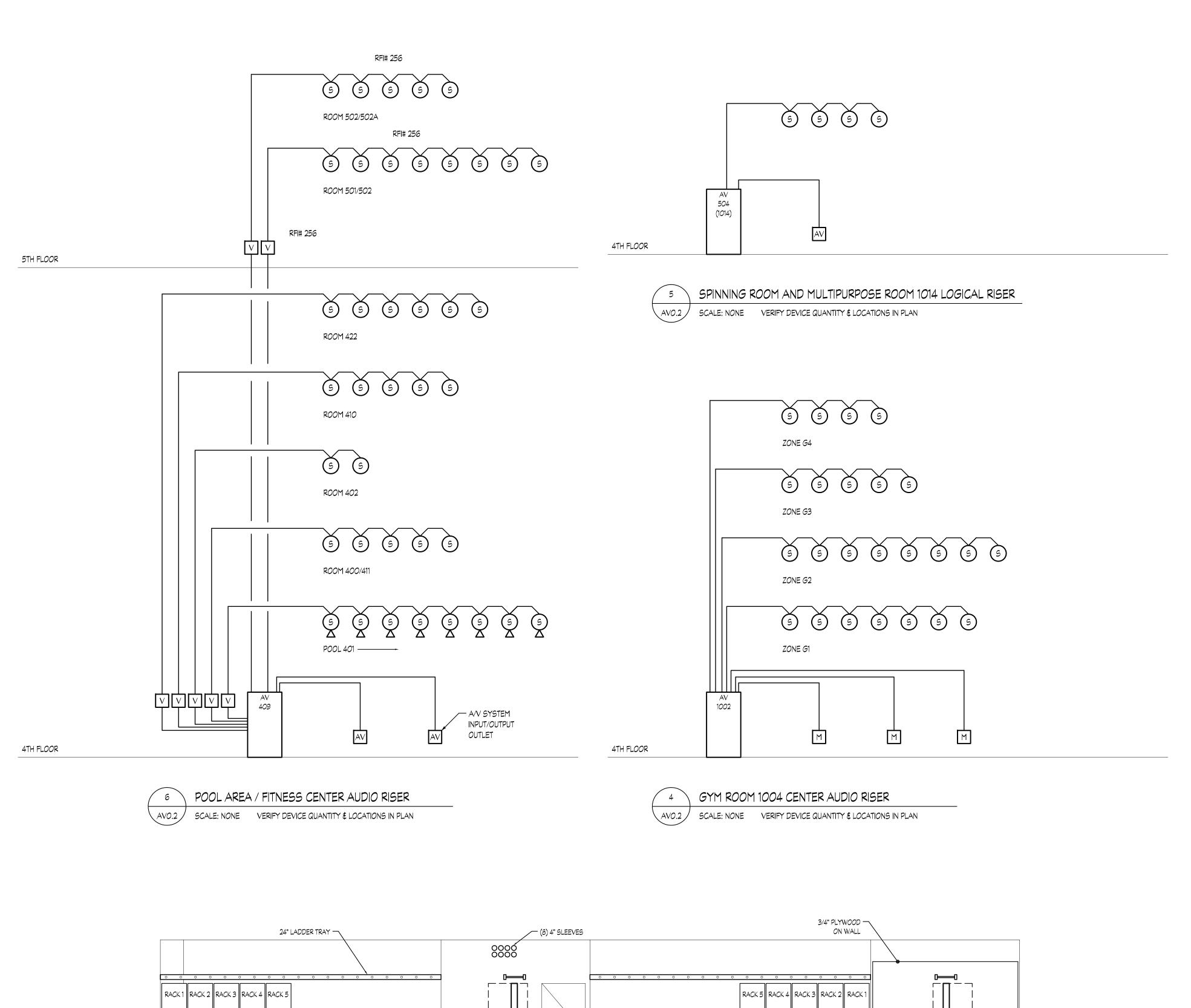
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AVO

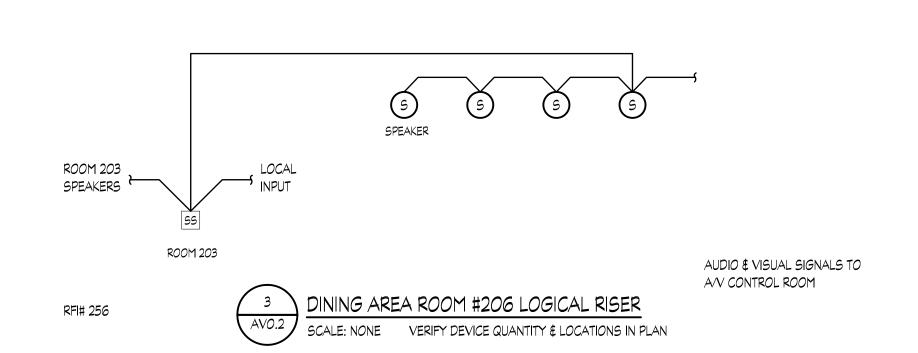


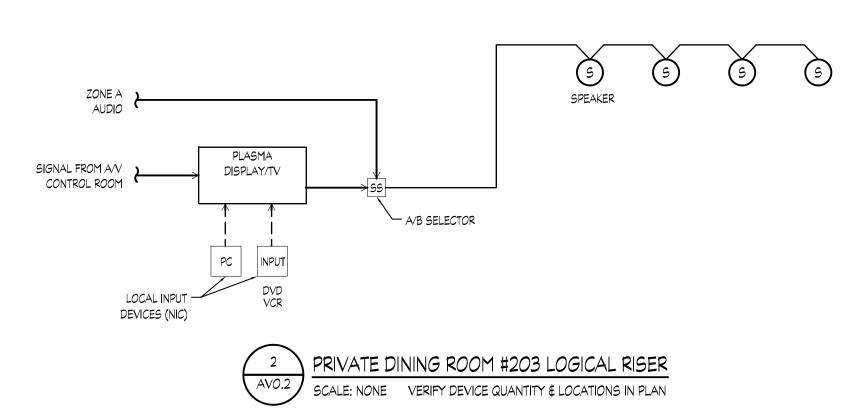
AV CONTROL STATION

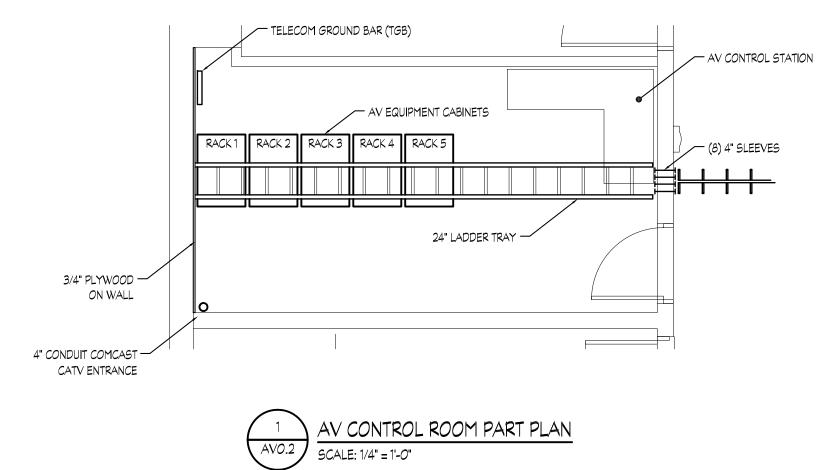
COMMUNICATIONS

GROUND BAR (TGB)

AV CONTROL STATION

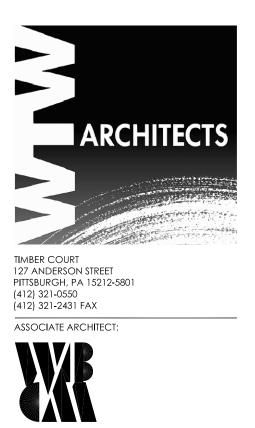






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Audio Visual-Details

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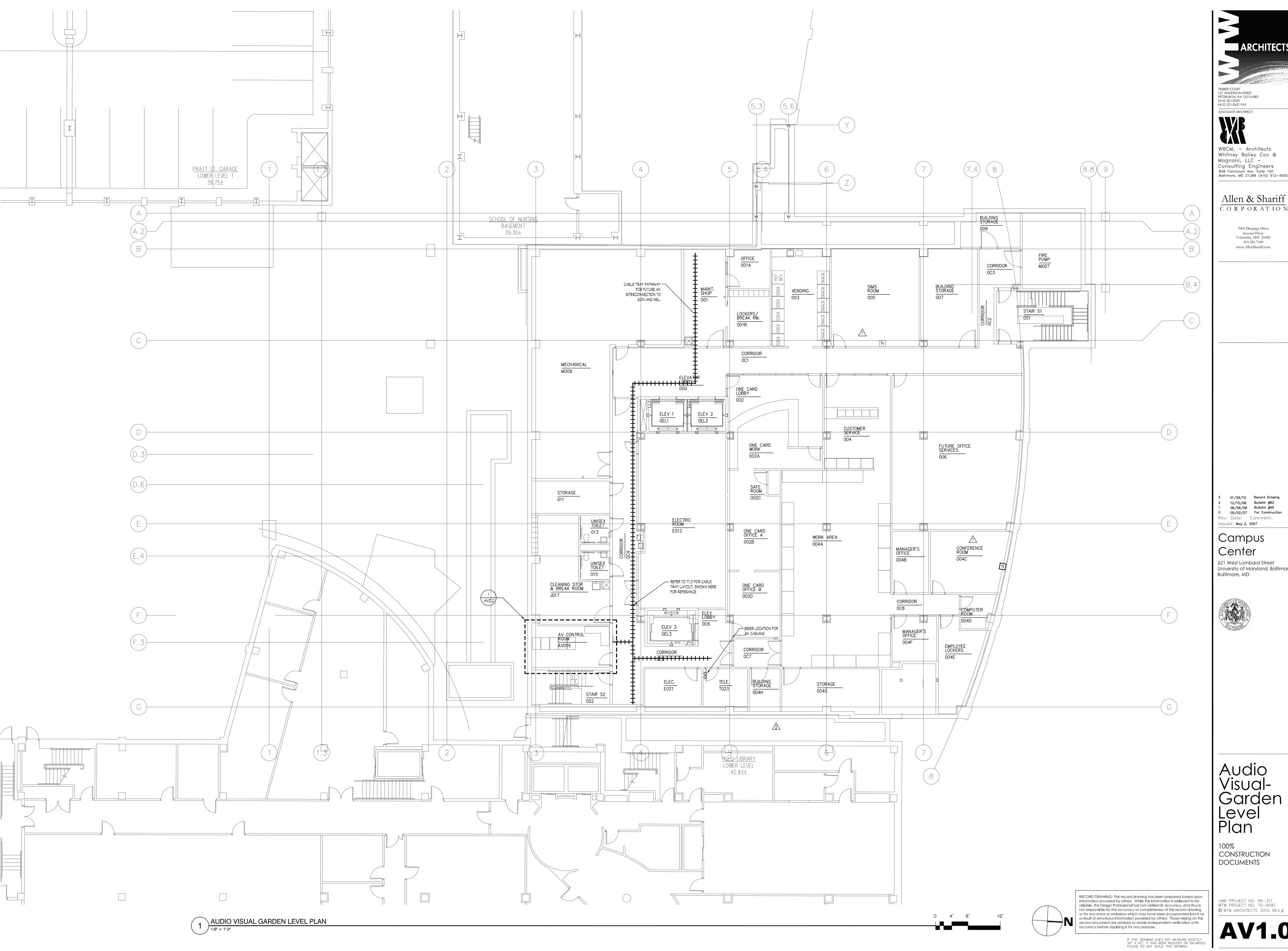
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12/10/08 Bulletin #82
06/06/08 Bulletin #49
05/02/07 For Construction Rev. Date: Comment:

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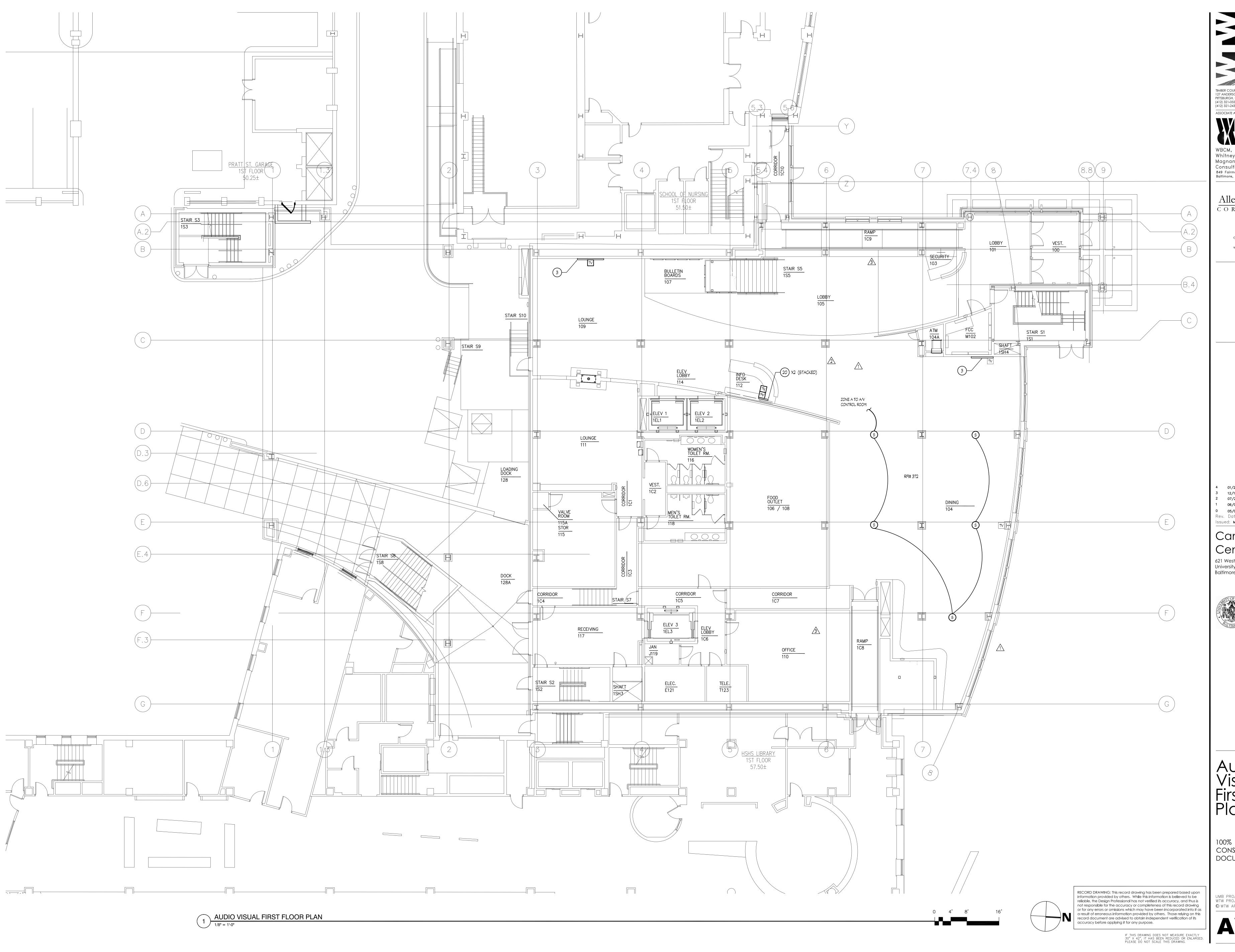
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Audio Visual-Garden Level Plan

CONSTRUCTION DOCUMENTS

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3 12/10/08 Bulletin #82
2 07/29/08 Bulletin #53
1 06/06/08 Bulletin #49
0 05/02/07 For Construction
Rev. Date: Comment:
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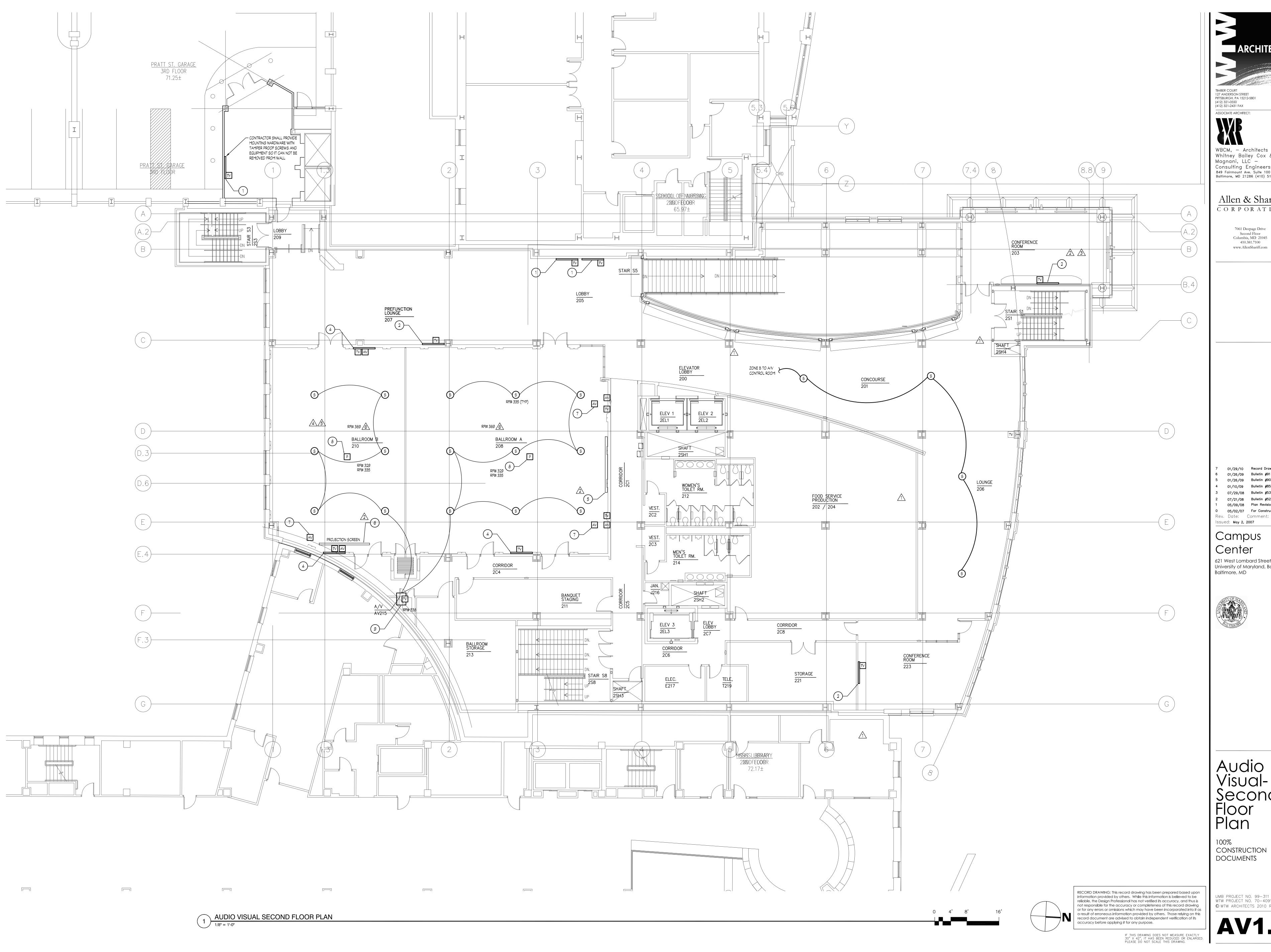
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Audio Visual-First Floor Plan

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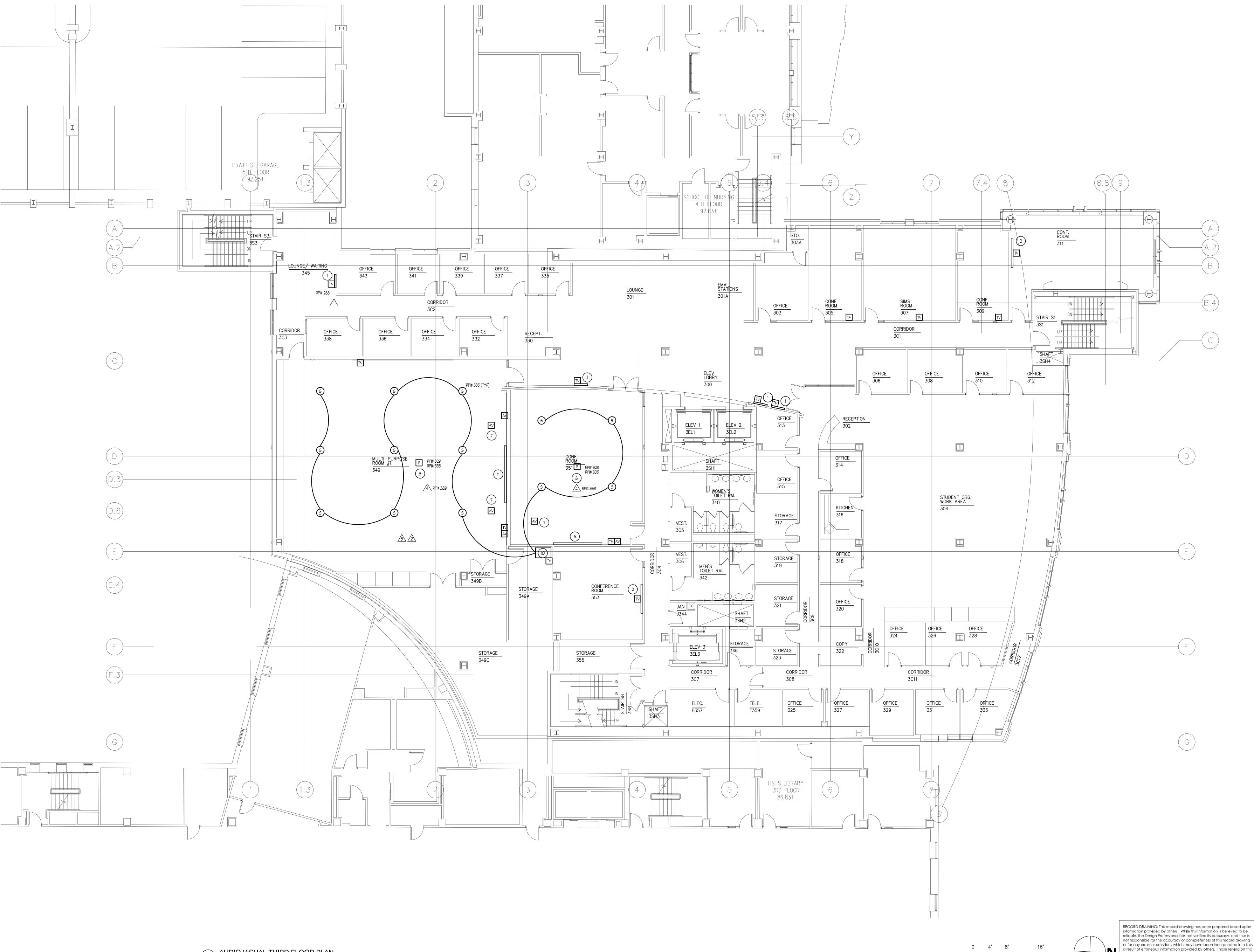
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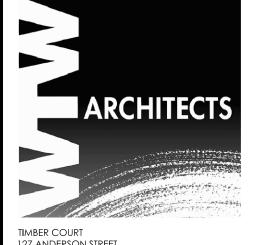
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Audio Visual-Second Floor

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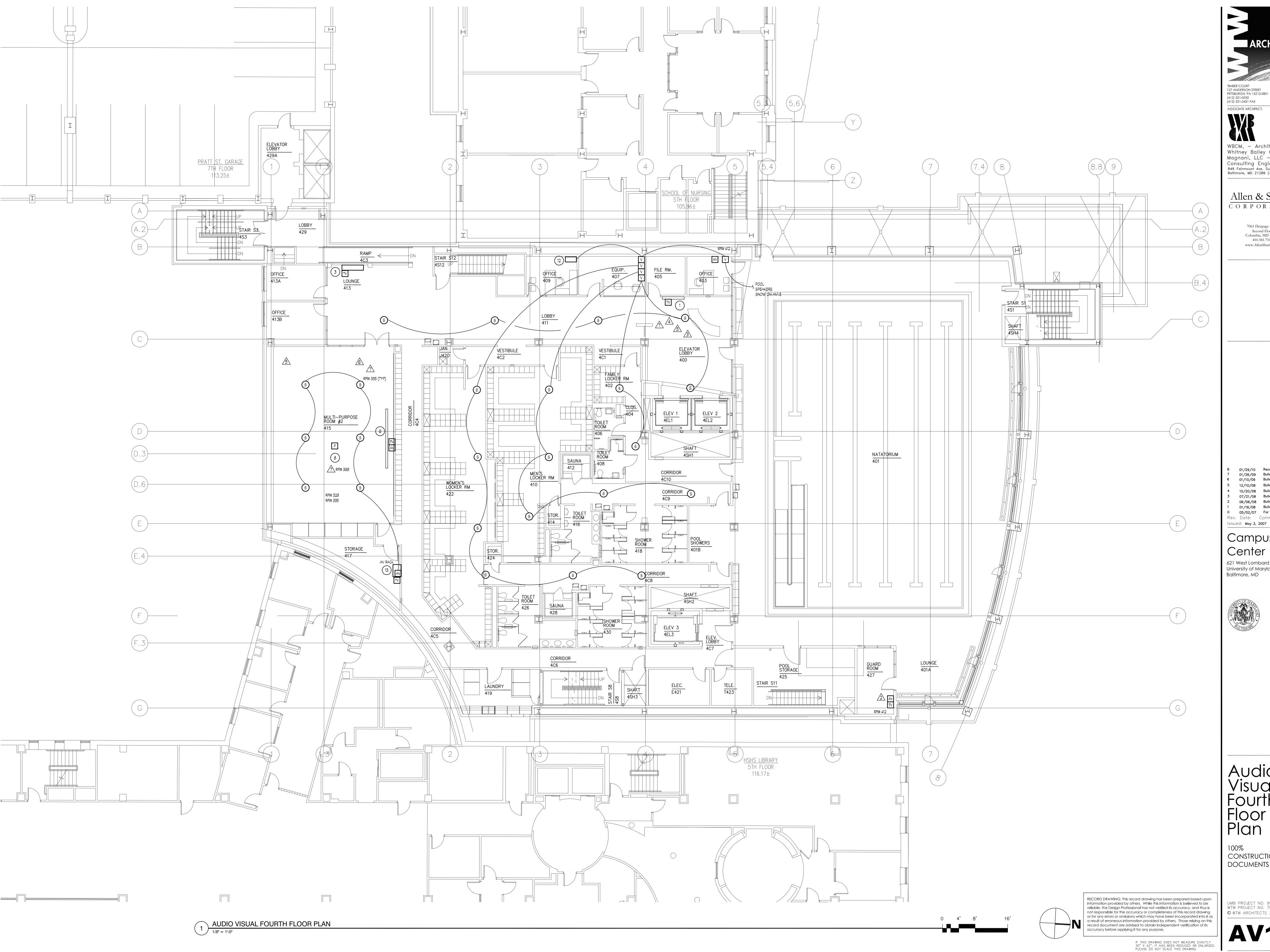
Audio Visual-Third Floor Plan

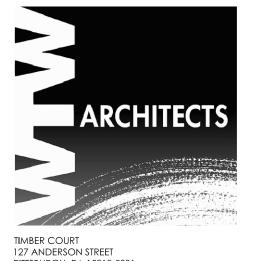
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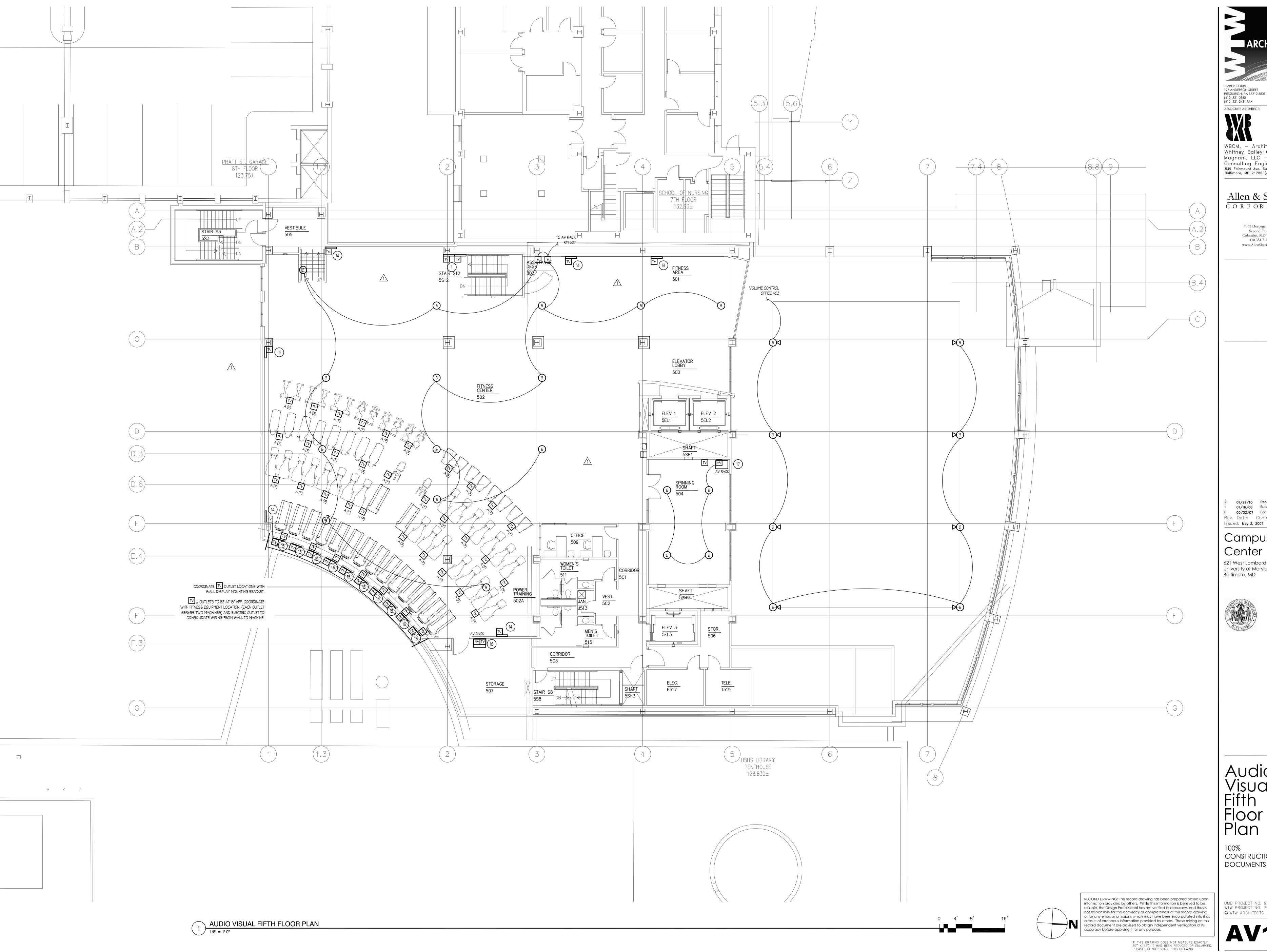
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Audio Visual-Fourth Floor

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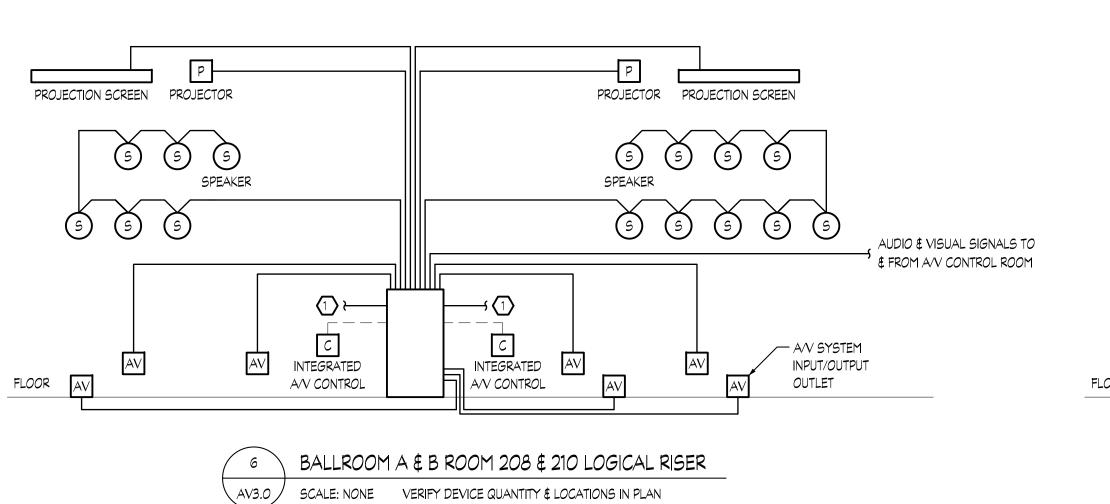
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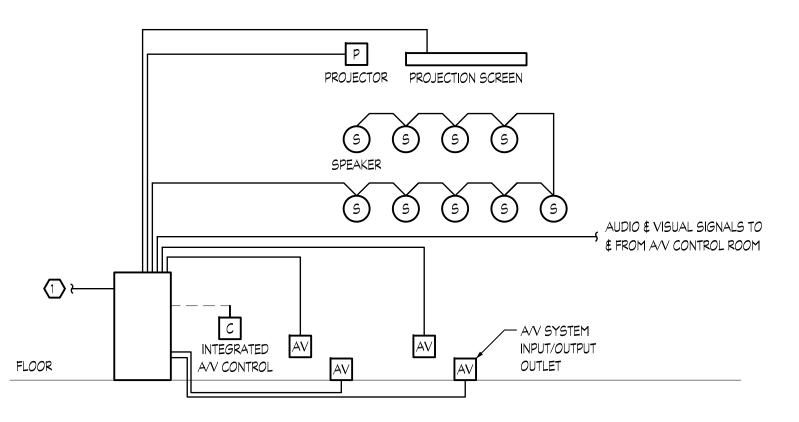


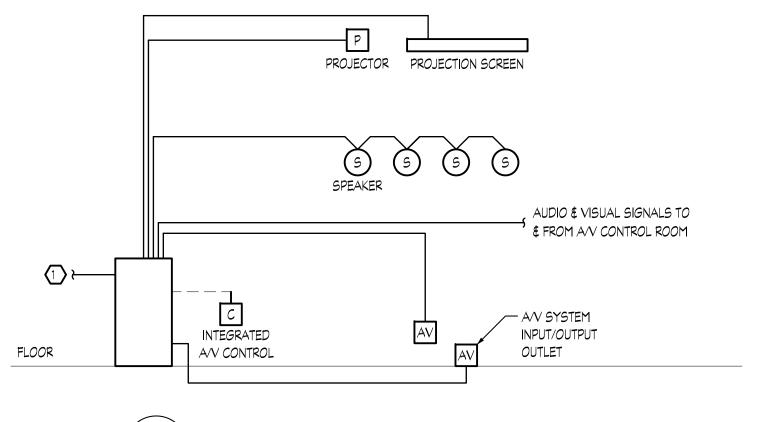
Audio Visual-Fifth Floor Plan

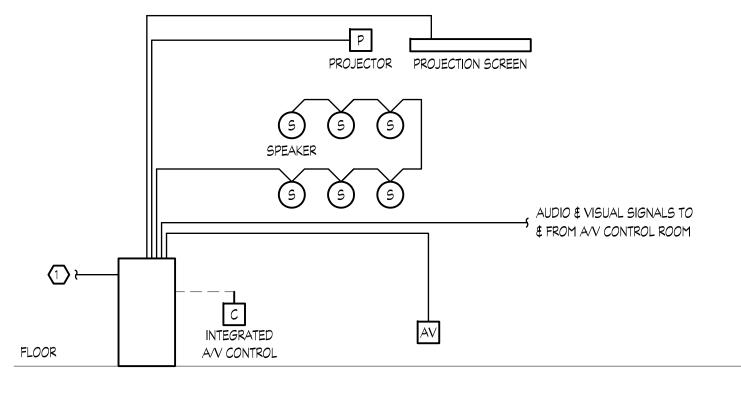
CONSTRUCTION DOCUMENTS



CONNECTION TO LIGHTING CONTROL SYSTEM.



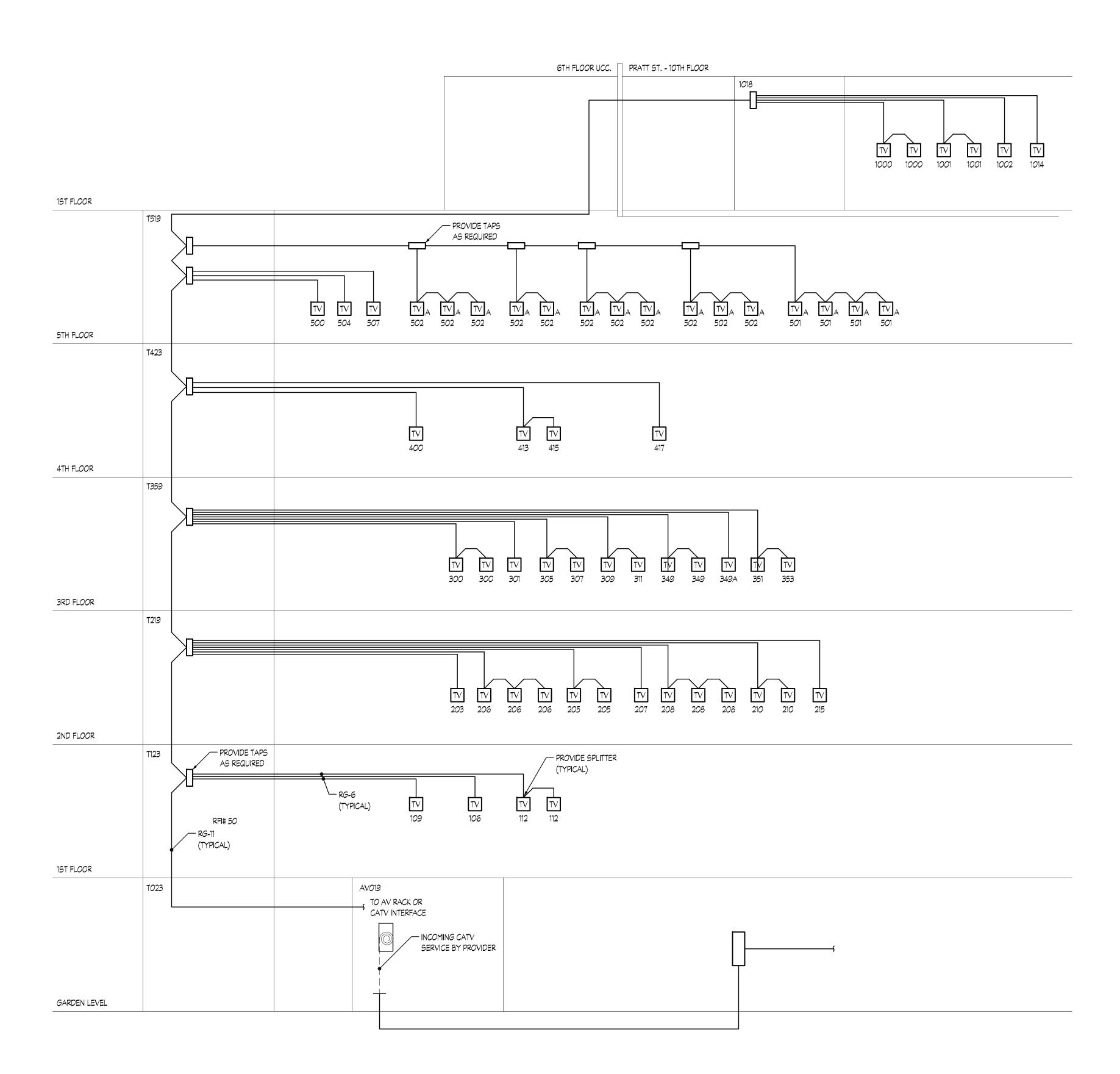




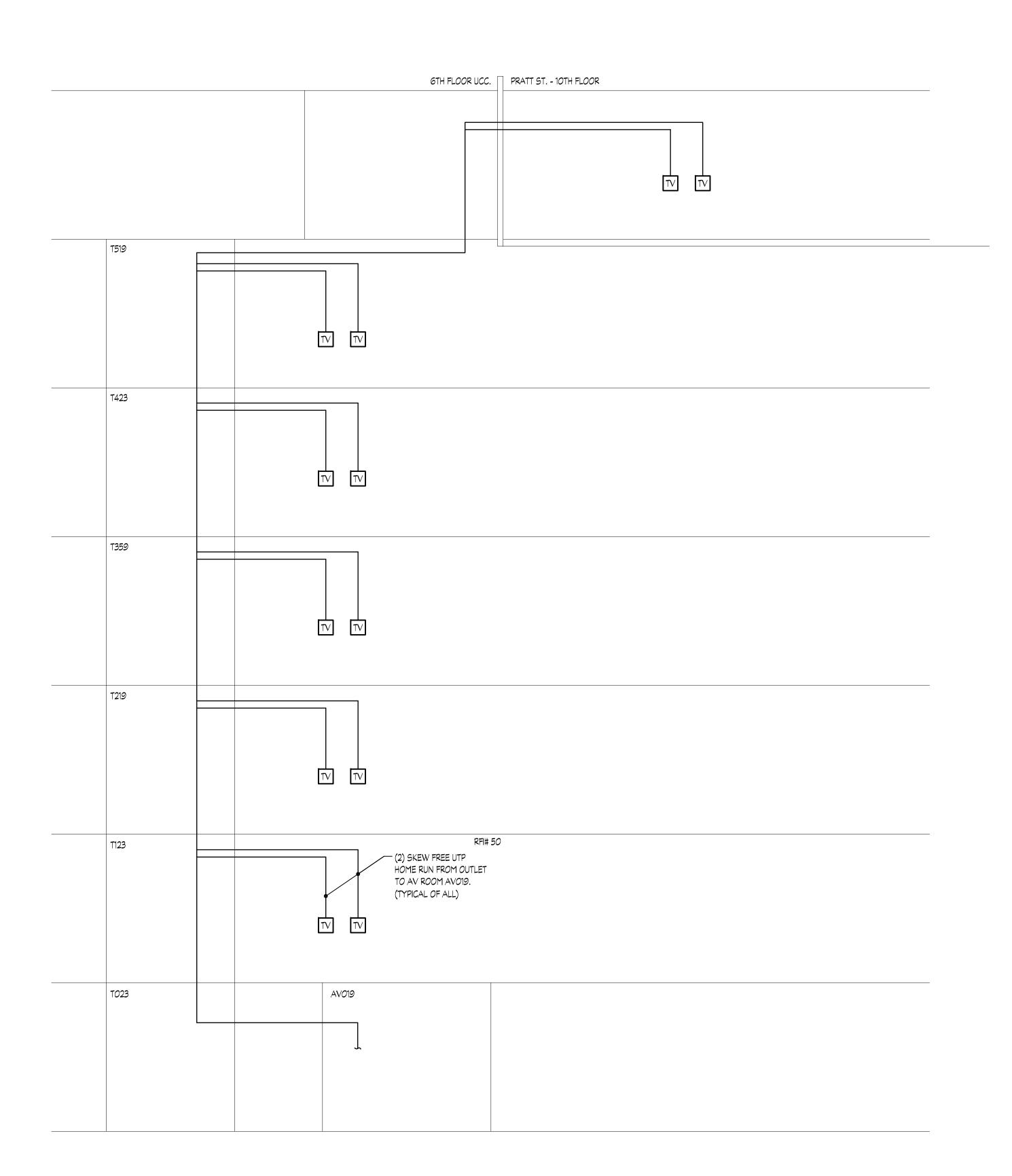
MULTIPURPOSE ROOM #2 - ROOM 415 LOGICAL RISER AV3.0 SCALE: NONE VERIFY DEVICE QUANTITY & LOCATIONS IN PLAN (1) CONNECTION TO LIGHTING CONTROL SYSTEM.

MULTIPURPOSE ROOM #1 - ROOM 349 LOGICAL RISER AV3.0 SCALE: NONE VERIFY DEVICE QUANTITY & LOCATIONS IN PLAN (1) CONNECTION TO LIGHTING CONTROL SYSTEM.

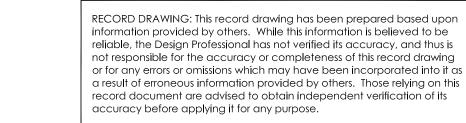
CONFERENCE ROOM #351 LOGICAL RISER AV3.0 SCALE: NONE VERIFY DEVICE QUANTITY & LOCATIONS IN PLAN (1) CONNECTION TO LIGHTING CONTROL SYSTEM.



2 CATV RISER







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Audio Visual-Risers

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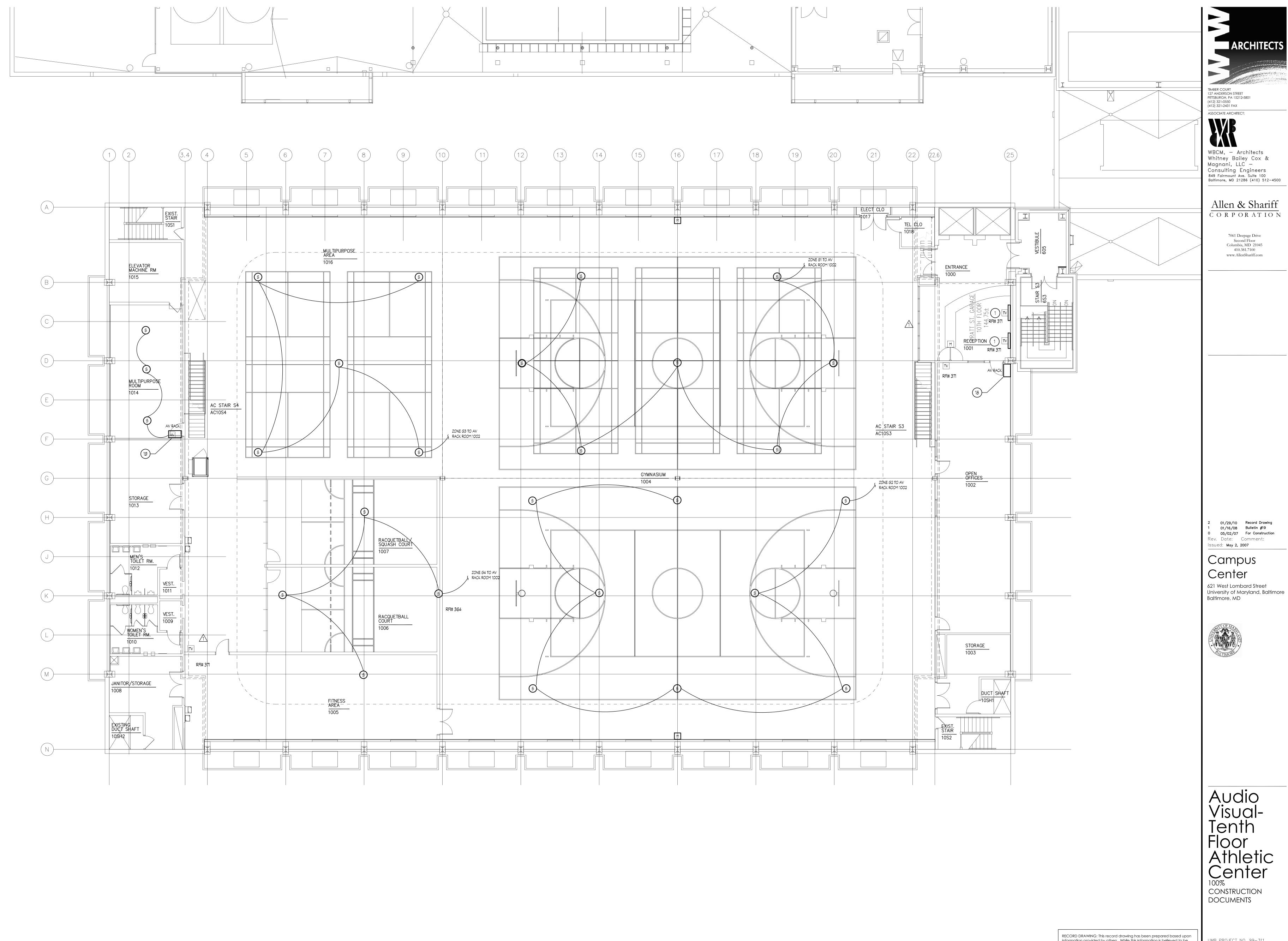
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ASSOCIATE ARCHITECT:



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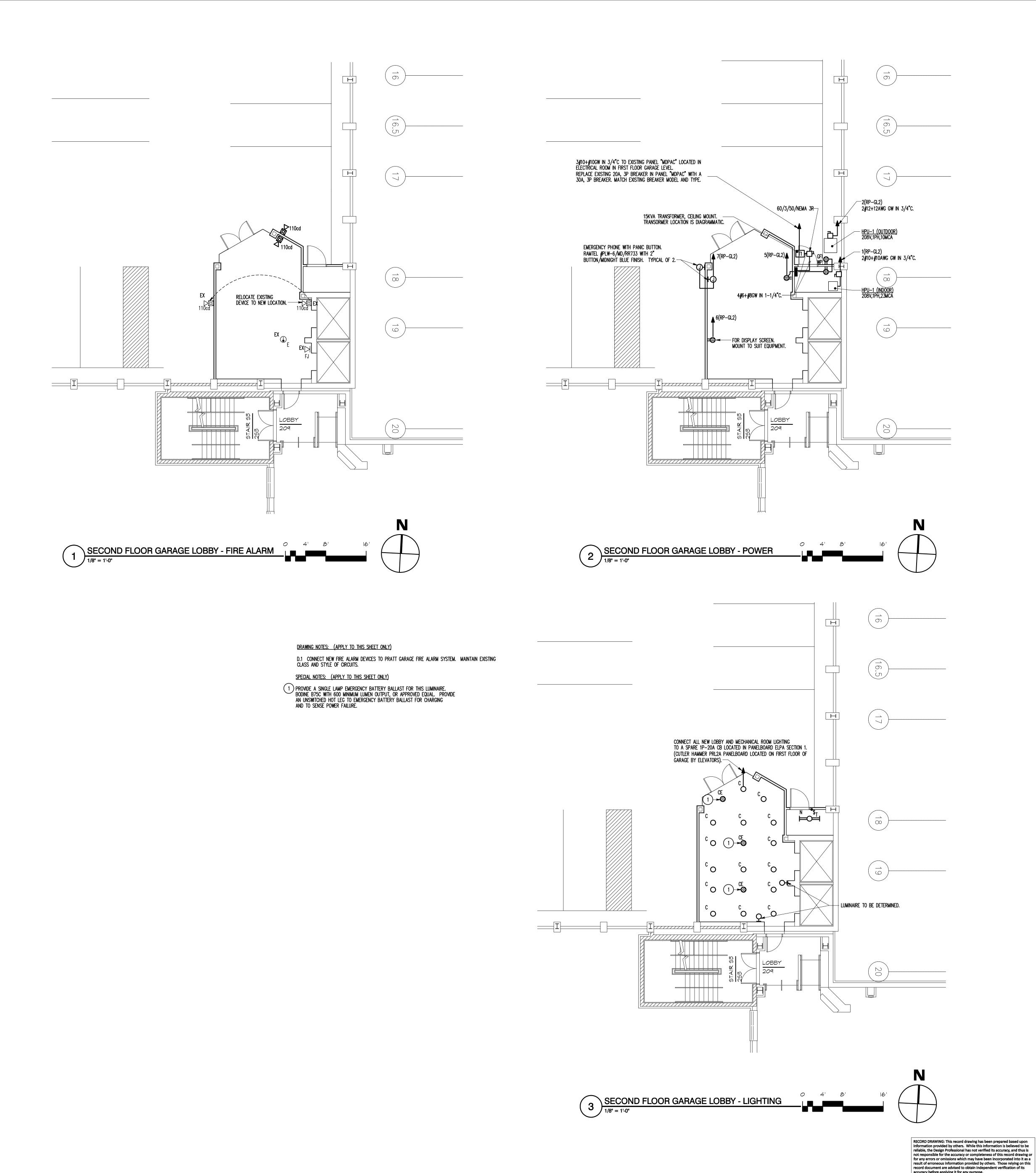
0 4' 8' 16'

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UMB PROJECT NO. 99-311
wtw project no. 70-4091
www.project no. 70-4091

F	A	NELBOARD - RP-		MAIN AMPACITY: 100A MAIN TYPE: MLO SERVICE: 3 PHASE, 4 WIRE, 208Y/120 VOLTS FULLY RATED MIN. RATING: 10K AIC RMS SYMMETRICAL /								MOUNTING: SURFACE SECTION: 1 OF 1 ENCLOSURE: NEMA 1 AMPS LOCATION: MECHANICAL CLOSET						
동물	LOAD DESCRIPTION	NOTE	CI	CKT BREAKER		KVA PER PHASE CKT BREAK						AKER	NOTE	LOAD DECODERTION	X			
3	2	LUAD DESCRIPTION	NOTE	P	TA	AUX	PHAS	SE A	PHAS	ΈB	PHA	SE C	Р	TA	AUX	NOTE	LOAD DESCRIPTION	2 2
1	1	HPU-1 INDOOR	-	2	25	-	1.9	0.8					2	15	-	-	HPU-1 OUTDOOR	2 2
3	3	{ }	-	-	ı	-			1.9	0.8]-	1	ı	ı	{ }	4 4
5	5	CONVENIENCE RECEPTACLE	-	1	20	-					1.0	1.0	1	20	-	-	DISPLAY SCREEN	6 6
7	7	EMERGENCY PANIC BUTTON	-	1	20	-	0.8	_					11	20	-	-	SPARE	8 8
9	9	SPARE	-	1	20	-			-	_			1	20	-	-	SPARE	10 1
11	11	SPARE	-	1	20	-					-		1	20	-	-	SPARE	12 1
3	13	SPARE	-	1	20	-	-	-					11	20	1	-	SPARE	14 1
15	15	SPACE WITH PROVISIONS	-	1	-	-			-	-			1	1	-	-	SPACE WITH PROVISIONS	16 1
17	17	SPACE WITH PROVISIONS	_	1	-	-					-	-	1	-	ı	-	SPACE WITH PROVISIONS	18 1
	AI I)	(ILIARIES:					2.7	0.8	1.9	0.8	1.0	1.0		CON	INFCTI	-D I OA	D: 8.2KVA ☑ GROUND BU	 IS
a AFCI BREAKER e AUXILIARY SWITCH							3.5 2.7 2.0					DEMAND LOAD: 8.2KVA				,5		
b GFI BREAKER (5mA) f SWITCH NEUTRAL							PHASE A: 29.2A PHASE B: 22.5A PHASE C: 16.7A						DEMAND AMPS: 2					
	C	c GFI BREAKER (30mA) g H	andle f	PAD	LOCK								ſ	7 20	00% N	EUTRAL	. BUS & LUGS SUB FEED	
	c	I SHUNT TRIP BREAKER h H	ANDLE (l A	MP												JND BUS INTEGRAL S	



TIMBER COURT 127 ANDERSON STREET PITTSBURGH, PA 15212-5801 (412) 321-0550 (412) 321-2431 FAX



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01/29/10 Record Drawing 07/21/09 RFI #414 02/06/09 Bulletin 83 05/02/07 For Construction Rev. Date: Comment: Issued: May 2, 2007

Campus Center

621 West Lombard Street University of Maryland, Baltimore Baltimore, MD



Second Garage Lobby

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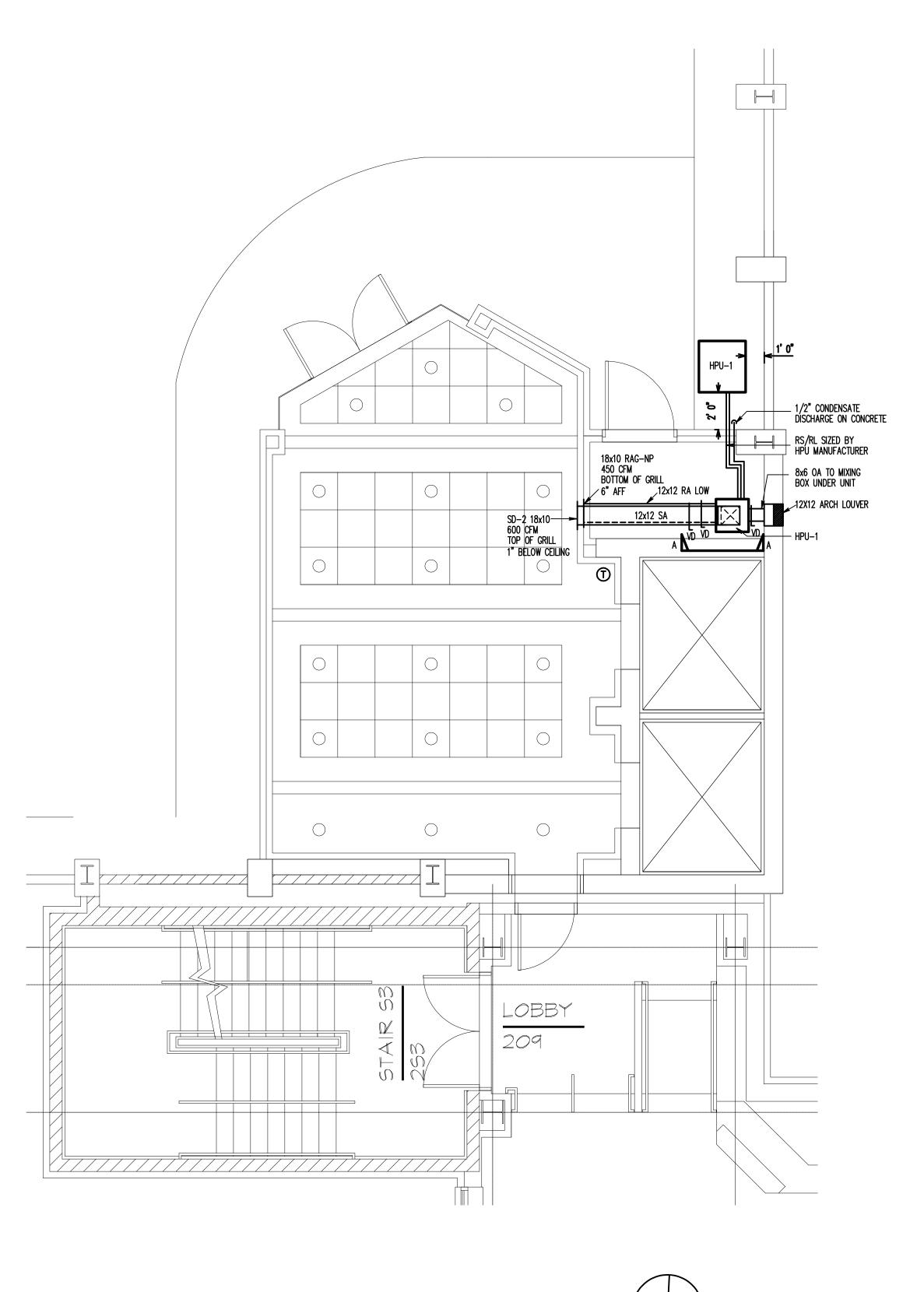
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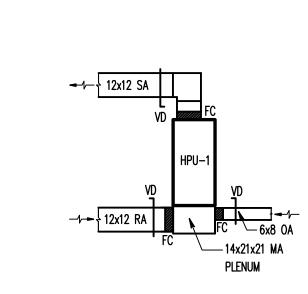
	AIR SOURCE HEAT PUMPS													
LIAITT			OA CFM	FVT.	CO	OLING CA	APACITY	1	HE	ATING CA	APACITY (2)	TOTAL		
UNIT SYMBOL	TYPE	FAN CFM		EXT SP	TOTAL	SENS MBH	EAT		REVERSE CYCLE		SUPPLEMENTAL	KW	NOTES	
		•		<u> </u>	MBH		DB	WB	мвн(3)	KW	KW	INPUT		
HPU-1	٧	600	150	0.25	18	12	75	60	10.5	3	4.8	6.5/2.4	TRANE 4TEB3018/4TWB3018	

NOTES FOR AIR SOURCE HEAT PUMPS:

1 DUCTWORK - GARAGE LOBBY

- (1) COOLING CAPACITY BASED ON 90°F DB OUTSIDE AIR TEMPERATURE.
- (2) HEATING CAPACITY BASED ON 20 °F OUTSIDE AIR TEMPERATURE AND 70 °F ROOM AIR TEMPERATURE ENTERING COIL.
- 3 REVERSE CYCLE HEATING CAPACITY DOES NOT INCLUDE SUPPLEMENTAL KW.





2 SECTION AA HPU

1/4" = 1'-0"

2 01/29/10 Record Drawing

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Issued: May 2, 2007

Campus

Rev. Date: Comment:

Center
621 West Lombard Street
University of Maryland,
Baltimore



Key Plan

Pratt Lobby HVAC

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