

WAYNE STATE UNIVERSITY

STUDENT CENTER 5th & 7th FLOOR RENOVATION

5221 GULLEN MALL DETROIT, MICHIGAN

WSU No. 034-261806

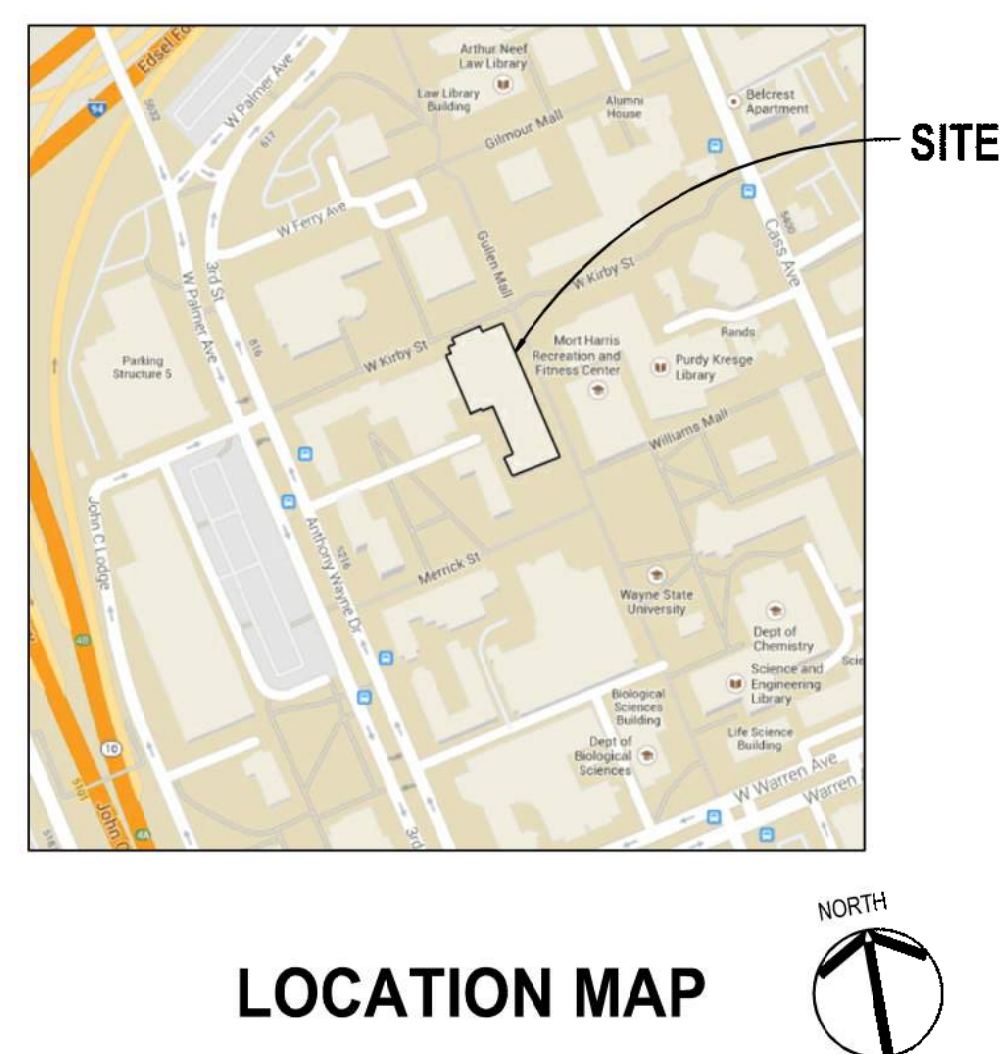
BID PACKAGE 2 - AUDIO / VISUAL

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INDEX OF DRAWINGS	
NO.	SHEET TITLE
● A001	TITLE SHEET
ARCHITECTURAL DRAWINGS	
● A205	FIFTH FLOOR PLAN
● A207	SEVENTH FLOOR PLAN
● A305	FIFTH FLOOR REFLECTED CEILING PLAN
● A307	SEVENTH FLOOR REFLECTED CEILING PLAN
ELECTRICAL DRAWINGS	
● E3	FIFTH FLOOR PLANS - ELECTRICAL NEW WORK
● E3	SEVENTH FLOOR PLANS - ELECTRICAL NEW WORK
AUDIO / VISUAL DRAWINGS	
● AV100	GENERAL INFO, DIVISION OF LABOR, SHEET INDEX
● AV101	AV SCHEMATICS
● AV102	AV SCHEMATICS
● AV200	5TH & 7TH FLOOR PLANS
● AV400	DETAILS

Revisions

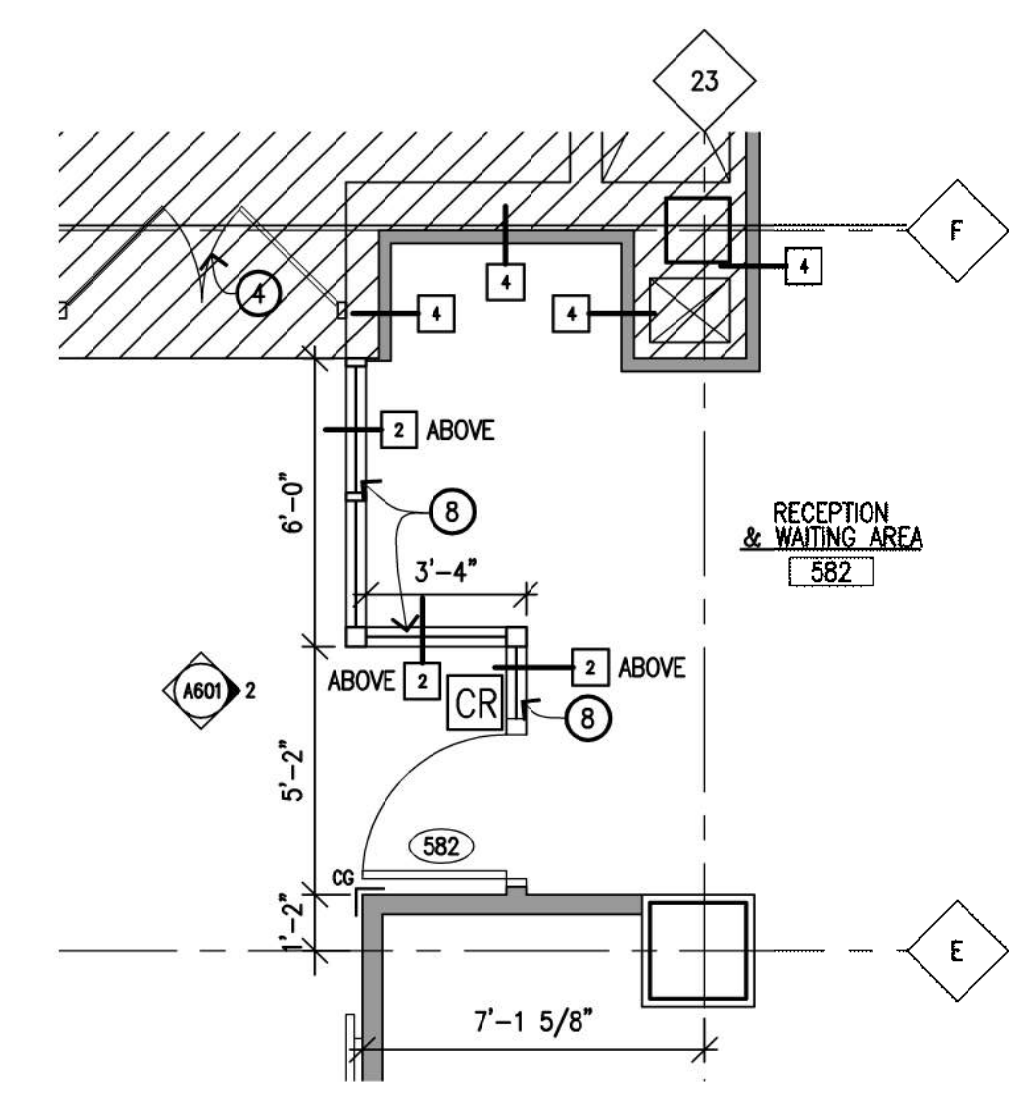
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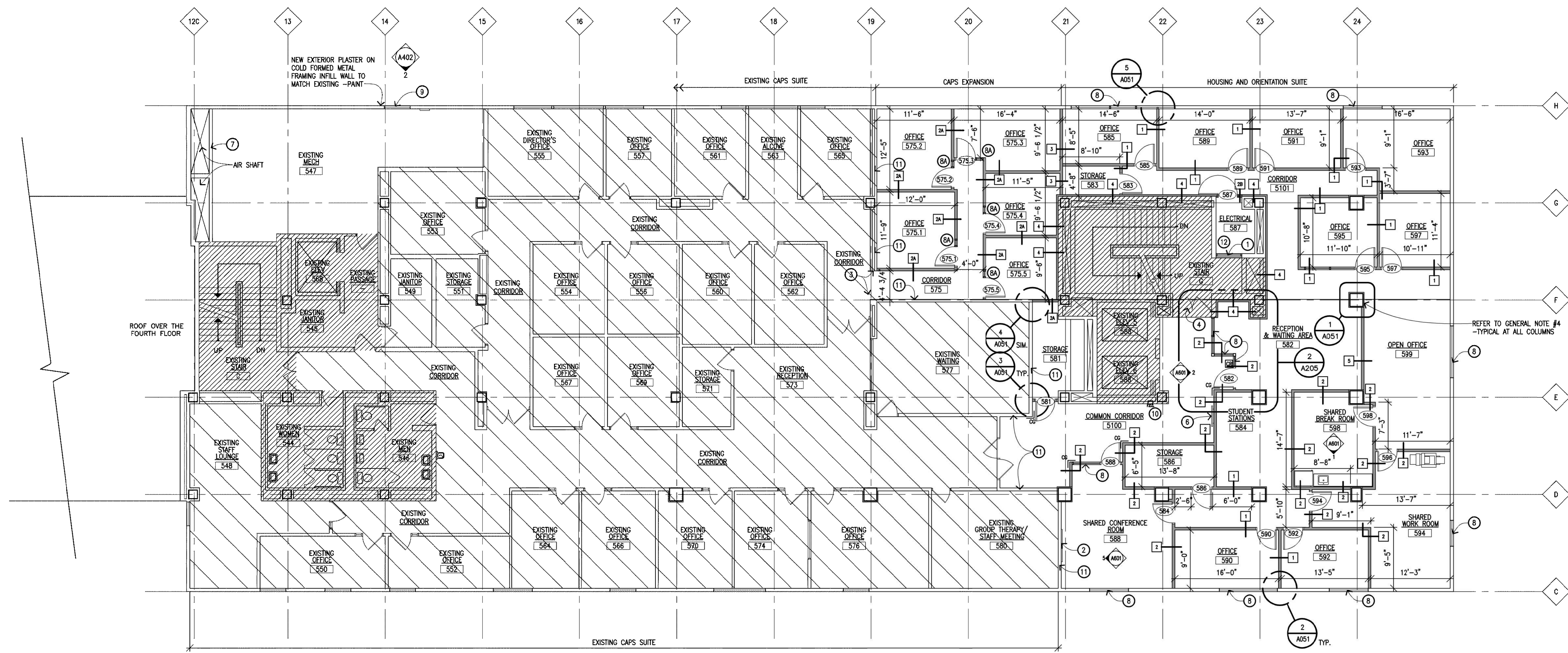
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Scale: N/A
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A001



2 ENLARGED FIFTH FLOOR PLAN
 A205 Scale: 1/4" = 1'-0"



1 FIFTH FLOOR PLAN
 A205 Scale: 1/8" = 1'-0"

KEYNOTES

- 1 INFILL AT EXISTING DOOR OPENING WITH NEW BLOCK TO MATCH EXISTING. REFER TO FINISH PLAN FOR EXTENT OF NEW PAINT
- 2 A/W MONITOR - INSTALL TWO ROWS OF FIRE RATED WOOD BLOCKING FOR A/W MONITOR - 5'-0" TO BOTTOM OF MONITOR, 6'-0" TO BOTTOM OF CHIEF PAC
- 3 TIE NEW GYPSUM BOARD INTO EXISTING GYPSUM BOARD AT NEW WALL OPENING
- 4 PAINT EXISTING STAIR DOORS AND FRAMES, BOTH SIDES
- 5 NOT USED
- 6 ELECTRONIC DIRECTORY - INSTALL TWO ROWS OF FIRE RATED WOOD BLOCKING FOR DIGITAL DIRECTORY - 5'-0" TO BOTTOM OF MONITOR 5'-9" TO BOTTOM OF CHIEF PAC
- 7 INFILL ABANDONED DUCT OPENINGS WITH 6" CONCRETE BLOCK TO MATCH EXISTING - FIELD VERIFY. PROVIDE NEW OPENINGS IN EXISTING CONCRETE BLOCK SHAFT FOR NEW DUCTWORK. PROVIDE DOUBLE ANGLE 4X6X3/8" LVL LINTEL GALVANIZED - PRIME AND PAINT BLOCK
- 8 PROVIDE WINDOW TREATMENTS (WT1 AT EXTERIOR WINDOWS & WT2 AT INTERIOR WINDOWS)
- 8A PROVIDE WINDOW SHADES AT SDELIGHTS AT ALL FIVE NEW OFFICES (WT3)
- 9 RE-INSTALL SALVAGED WINDOW AND FRAME
- 10 EXISTING F.E.C. TO REMAIN - CLEAN
- 11 RESTORE EXISTING PARTITION
- 12 FIRESTOP ALL EXISTING AND NEW PENETRATIONS IN EXISTING WALLS - SEE A035 FOR FIRE RATINGS

GENERAL NOTES

1. PATCH AND REPAIR ALL GYP BOARD/PLASTER SURFACES DUE TO EXISTING CONDITIONS, WATER DAMAGE, DEMOLITION, REMOVAL OF FIN TUBE HEATING UNITS, ELECTRICAL BOXES, NEW CONSTRUCTION, ETC. PREPARE ALL WALLS TO RECEIVE PAINT OR OTHER FINISHES. REPAIR CONTINUOUS JOINT AT WINDOW HEAD LEVEL ON ENTIRE EXTERIOR PERIMETER WALL.
2. DIMENSIONS ARE TO FINISHED FACE OF MATERIAL OR WALL FINISH UNLESS NOTED OTHERWISE.
3. ALL FRAMED DOOR ROUGH OPENINGS ARE SET 4" OFF THE FACE OF THE ADJACENT WALL UNLESS NOTED OTHERWISE.
4. WRAP ALL EXISTING COLUMNS IN 5/8" GYPSUM BOARD - TYPICAL

LEGEND

- NEW PARTITION CONSTRUCTION AND NEW DOOR
- EXISTING PARTITION CONSTRUCTION AND DOOR
- PARTITION TYPE
- DOOR NUMBER
- CARD READER LOCATION
- CORNER GUARDS
- NOT IN CONTRACT
- EXISTING CAPS SUITE - MEP SCOPE OF WORK. COORDINATE WITH MEP DRAWINGS

EXISTING CAPS SUITE - REPAIR DEMOLITION/ CONSTRUCTION DAMAGE

1. NO NEW FINISHES AT EXISTING CAPS SUITE EXCEPT AS NOTED.
2. RESTORE FINISHES DAMAGED DURING DEMOLITION AND CONSTRUCTION. REPLACE ANY FINISHES THAT ARE DAMAGED BEYOND REPAIR. MATCH EXISTING. PAINT ENTIRE WALL SURFACES WHERE DAMAGE IS EXTENSIVE IN THE OPINION OF WSU OR THE ARCHITECT.
3. PAINT NEW COVERS ON ABANDONED THERMOSTAT BOXES TO MATCH WALL COLOR - FIELD VERIFY QUANTITY. ASSUME 20 FOR BIDDING.

Revisions

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5TH FLOOR PLAN

Scale: 1/8" = 1'-0"
 Sheet
A205

GENERAL NOTES

- PATCH AND REPAIR ALL GYP BOARD/PLASTER SURFACES DUE TO EXISTING CONDITIONS, WATER DAMAGE, DEMOLITION, REMOVAL OF FIN TUBE HEATING UNITS, ELECTRICAL BOXES, NEW CONSTRUCTION, ETC. PREPARE ALL WALLS TO RECEIVE PAINT OR OTHER FINISHES. REPAIR CONTINUOUS JOINT AT WINDOW HEAD LEVEL ON ENTIRE EXTERIOR PERIMETER WALL.
- DIMENSIONS ARE TO FINISHED FACE OF MATERIAL OR WALL FINISH UNLESS NOTED OTHERWISE.
- ALL FRAMED DOOR ROUGH OPENINGS ARE SET 4" OFF THE FACE OF THE ADJACENT WALL UNLESS NOTED OTHERWISE.
- WRAP ALL EXISTING COLUMNS IN 5/8" GYPSUM BOARD - TYPICAL.
- PAINT ALL EXISTING DOOR FRAMES SCHEDULED TO REMAIN.

LEGEND

- NEW PARTITION CONSTRUCTION AND NEW DOOR
- EXISTING PARTITION CONSTRUCTION AND DOOR
- PARTITION TYPE
- DOOR NO.
- CARD READER LOCATION
- DOORBELL LOCATION
- RECESSED PUSH PAD
- RECESSED PUSH PAD IN MULLION
- CORNER GUARD - COORDINATE WITH FINISH SCHEDULE. SEE A217 FOR END GUARDS

KEYNOTES

- OPERABLE PARTITION - VERIFY POCKET SIZE WITH SELECTED MANUFACTURER DRAWINGS
- POCKET DOORS BY FOLDING PARTITION CONTRACTOR
- INFILL EXISTING DOOR OPENING WITH CONCRETE BLOCK TO MATCH EXISTING. REFER TO FINISH PLAN FOR EXTENT OF NEW PAINT
- PATCH AND REPAIR BLOCK WHERE EXISTING ELECTRICAL PANELS WERE REMOVED. CREATE NEW OPENING IN BLOCK FOR NEW RECESSED ELECTRICAL PANEL FACING INTO THE OFFICE SPACE
- COORDINATE CARD READERS, DOOR BELLS AND CAMERAS WITH ELECTRICAL DRAWINGS & WSU
- NEW WOODEN PLATFORM WITH RAMP - REFER TO A217 FOR DETAILS
- NOT USED
- INSTALL TWO ROWS OF FIRE RATED WOOD BLOCKING FOR WALL MOUNTED TV
- INSTALL TWO ROWS OF FIRE RATED WOOD BLOCKING FOR DIGITAL SIGN AND DIGITAL DIRECTORY - 5'-0" TO BOTTOM OF MONITOR, 5'-9" TO BOTTOM OF CHIEF PAC
- PAINT EXISTING DOORS & FRAMES
- PAINT EXISTING TOILET ROOM DOOR FRAMES
- NOT USED
- INFILL ABANDONED DUCT OPENINGS WITH 6" CONCRETE BLOCK TO MATCH EXISTING - FIELD VERIFY - PROVIDE NEW OPENINGS IN EXISTING CONCRETE BLOCK SHAFT FOR NEW DUCTWORK. PROVIDE DOUBLE ANGLE 4X6X 3/8" LVL LINTEL (GALVANIZED) - PRIME AND PAINT BLOCK.
- PROVIDE WINDOW TREATMENTS (WT1) AT EXTERIOR WINDOWS AND (WT2) AT INTERIOR WINDOWS.
- EXISTING LOUVER TO REMAIN
- NEW FIRE EXTINGUISHER TO BE PLACED INSIDE CABINET INSIDE KITCHEN 753
- EXISTING FEC
- NEW FEC
- PROVIDE SHELF & COAT ROD AT SOUTH SECTION OF CLOSET 790.4
- PROVIDE RECESSED IPAD SCHEDULER. MOUNT TOP OF IPAD 5'-0" A.F.F. CENTER IPAD 1'-0" FROM DOOR FRAME.
- PROVIDE 5 PLASTIC LAMINATE CLAD ADJUSTABLE SHELVES 14" DEEP
- RESTORE EXISTING PARTITION
- FIRESTOP ALL EXISTING AND NEW PENETRATIONS IN EXISTING WALLS - SEE A035 FOR FIRE RATINGS
- LAMINATE 5/8" GYPSUM BOARD OVER ALL BRICK SURFACES
- INFILL ABANDONED LOUVER OPENING WITH METAL STUD FRAMING AT 16" O.C.

Revisions

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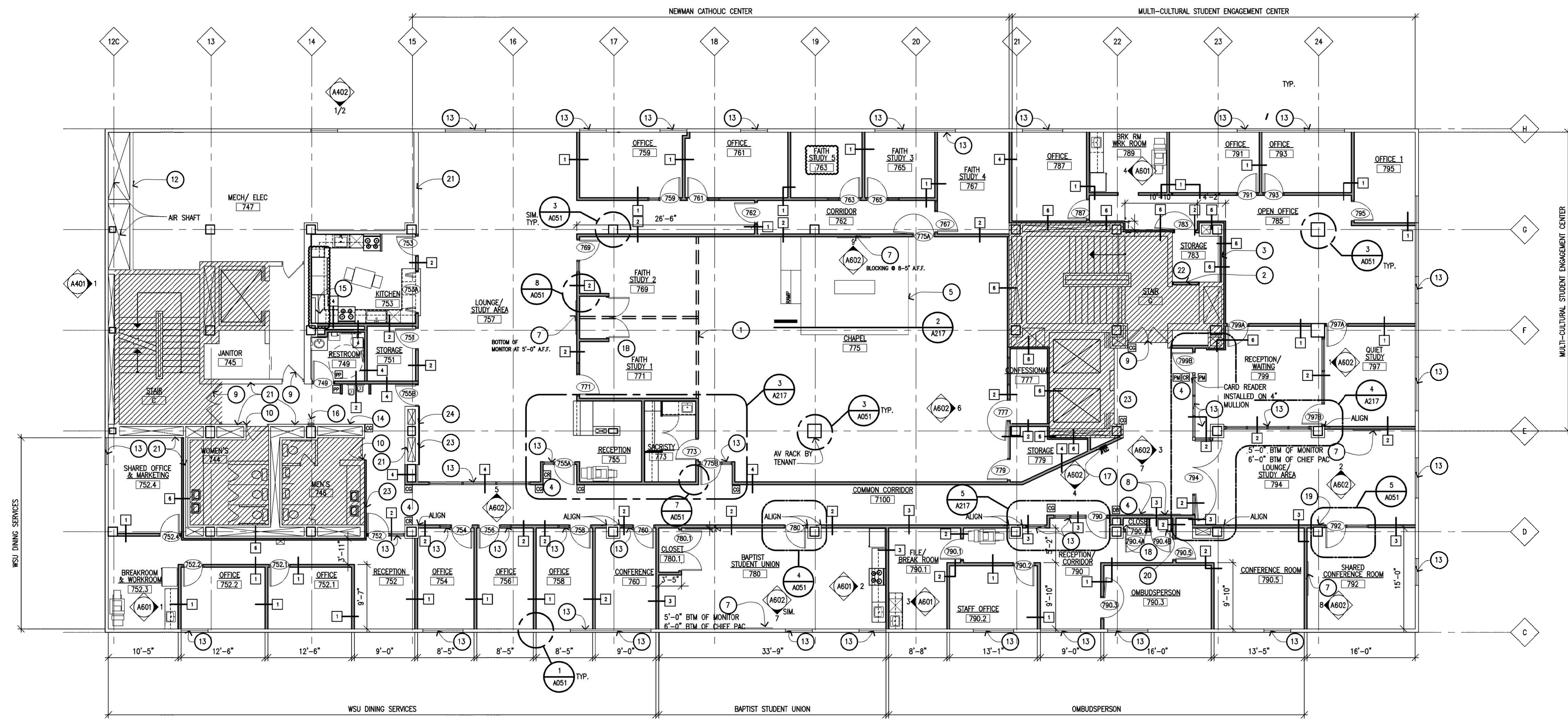
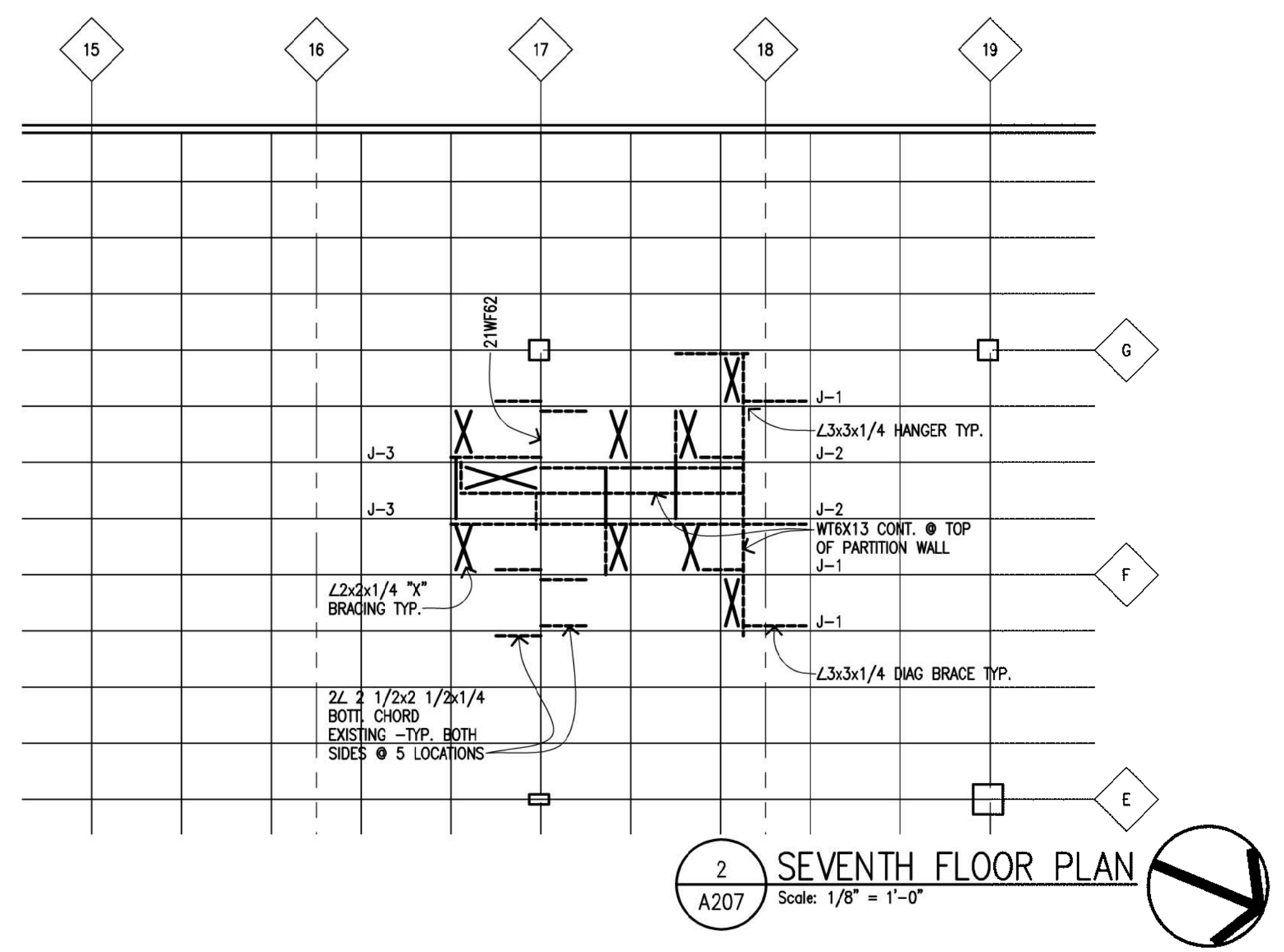
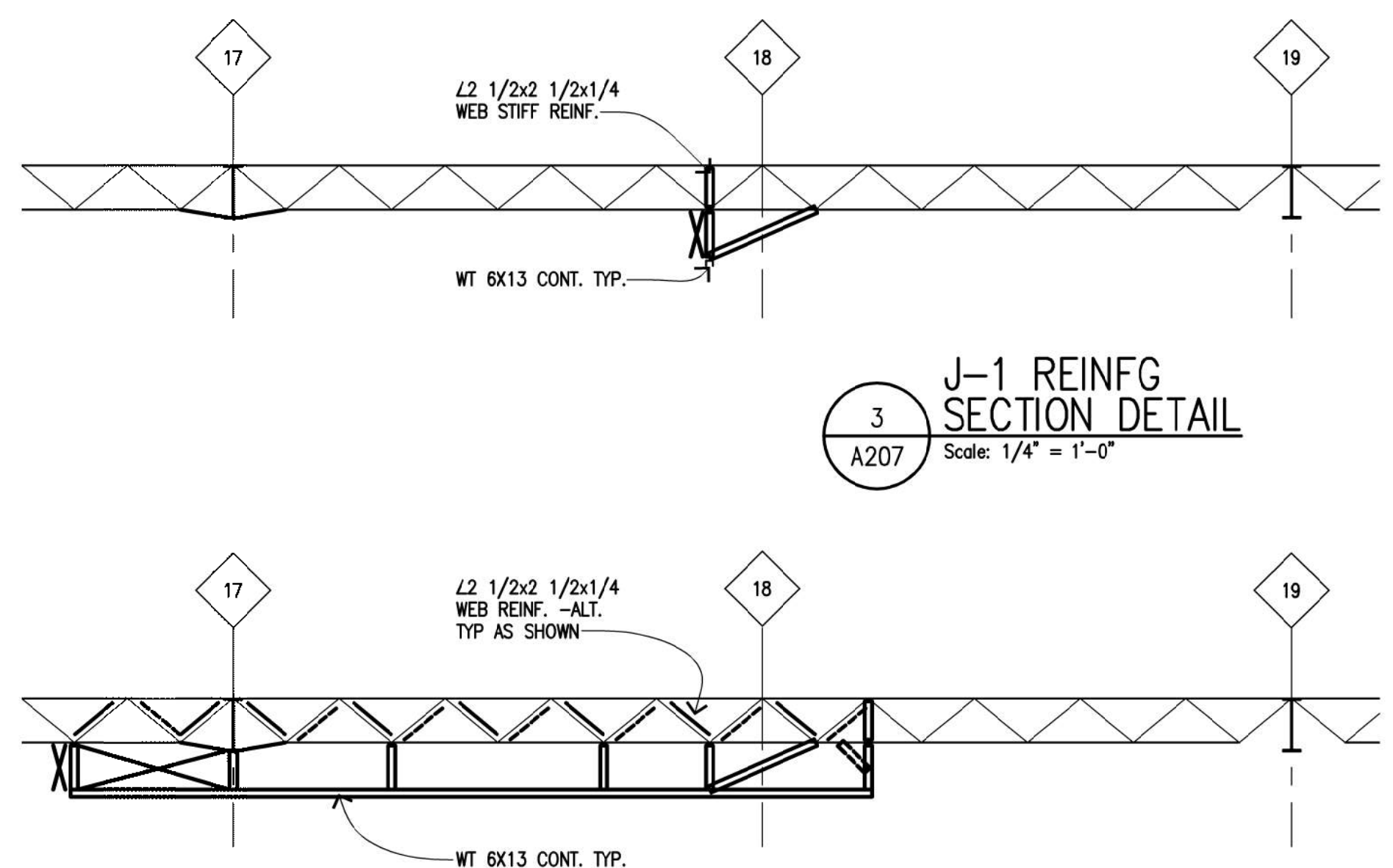
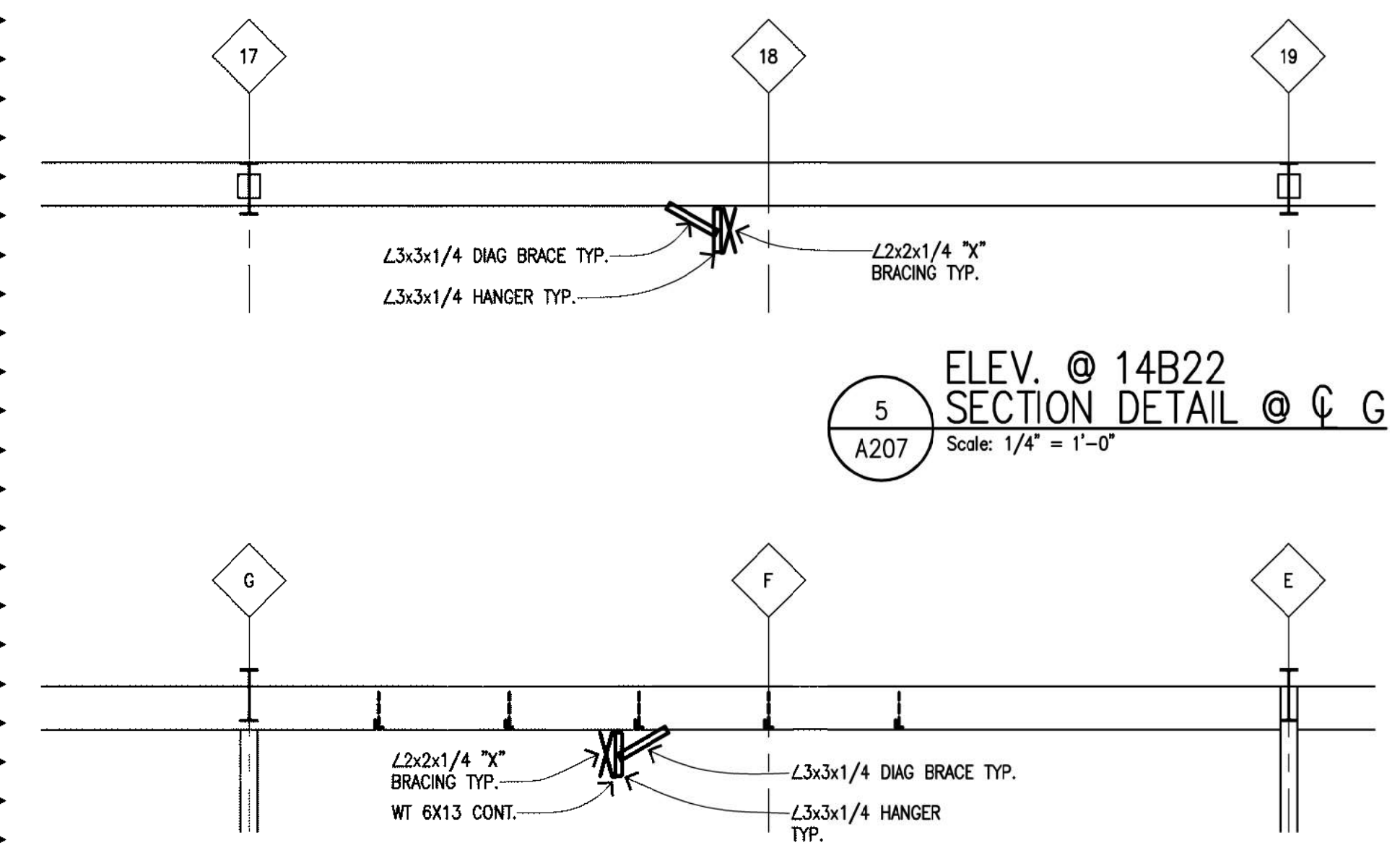
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7TH FLOOR PLAN

Scale: 1/8" = 1'-0"
 Sheet
A207



1 SEVENTH FLOOR PLAN
 A207 Scale: 1/8" = 1'-0"

LEGEND

- NEW 2 X 4 FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE
- NEW 2 X 2 FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE
- NEW FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE (ON NIGHT LIGHT CIRCUIT)
- NEW 3'-0" RECESSED LIGHT FIXTURE
- RADIANT CEILING PANEL -SEE MECHANICAL
- 2'X2' ACOUSTIC CEILING TILE AND GRID
- 2'X4' ACOUSTIC CEILING TILE AND GRID
- GYPSUM BOARD CEILING -PAINT

GENERAL NOTES

1. CENTER CEILING GRID IN EACH ROOM AS SHOWN UNLESS OTHERWISE NOTED, ADJUSTING AS REQUIRED TO COORDINATE WITH RCP LOCATIONS (SEE MECHANICAL DWGS.)

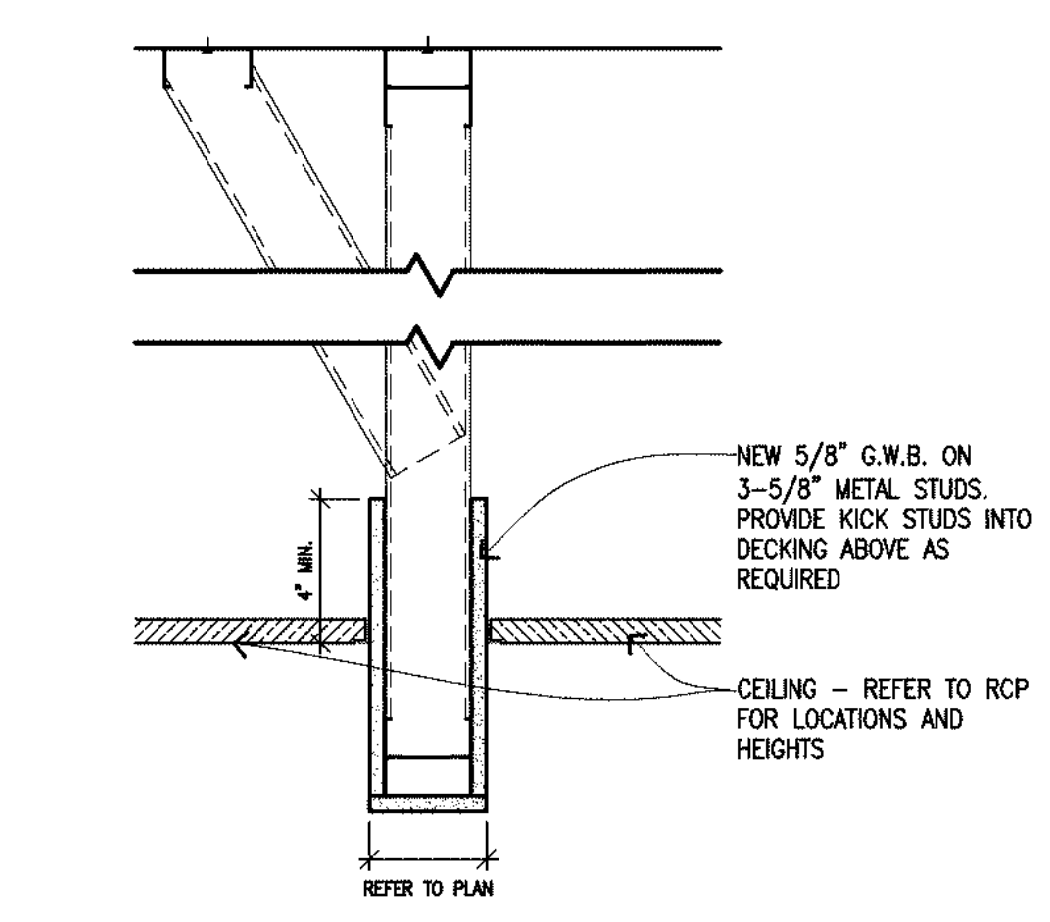
KEYNOTES

1. PLACE BATT INSULATION 2'-0" AROUND PERIMETER OF ROOM
2. NEW BULKHEAD: 5/8" GYPSUM BOARD ON 3 5/8" METAL STUDS AT 12" O.C. EXTEND STUDS TO DECK. EXTEND GYPSUM BOARD TO 4" ABOVE CEILING -PAINT -REFER TO DETAIL 2/A305
3. 5/8" GYPSUM BOARD SET ON LAY-IN GRID SYSTEM, PAINT

- NOT IN CONTRACT
- EXISTING CAPS SUITE -MEP SCOPE OF WORK, COORDINATE WITH MEP DRAWINGS

RESTORATION OF EXISTING CAPS SUITE CEILINGS

1. REINSTALL 2X2 LAY-IN CEILING SYSTEMS. PROVIDE NEW GRID AND CEILING TILE (TO MATCH EXISTING) TO REPLACE COMPONENTS DAMAGED OR LOST DURING DEMOLITION OR WHILE IN STORAGE.
2. CEILING LAYOUT SHALL MATCH EXISTING. RECORD EXISTING LAYOUT, WITH DIMENSIONED SKETCHES AND PHOTOGRAPHS, PRIOR TO DEMOLITION.
3. REINSTALL LIGHTS, ALARMS, SECURITY CAMERAS AND OTHER CEILING MOUNTED ITEMS TO MATCH EXISTING.
4. INSTALL NEW DIFFUSERS AND GRILLES PER MECHANICAL DRAWINGS.
5. ADJUST CEILING GRID AND LAYOUT TO ACCOMMODATE NEW RADIANT PANELS ALONG EXTERIOR WALLS.
6. DISPOSE OF SALVAGED ITEMS THAT WERE DAMAGED OR NOT REINSTALLED.



2 BULKHEAD DETAIL
 A305 Scale: 1-1/2" = 1'-0"

1 FIFTH FLOOR REFLECTED CEILING PLAN
 A305 Scale: 1/8" = 1'-0"

Revisions

05/27/16 - BID PACK 2 AUDIO VISUAL

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5TH FLOOR REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"
 Sheet
A305

LEGEND

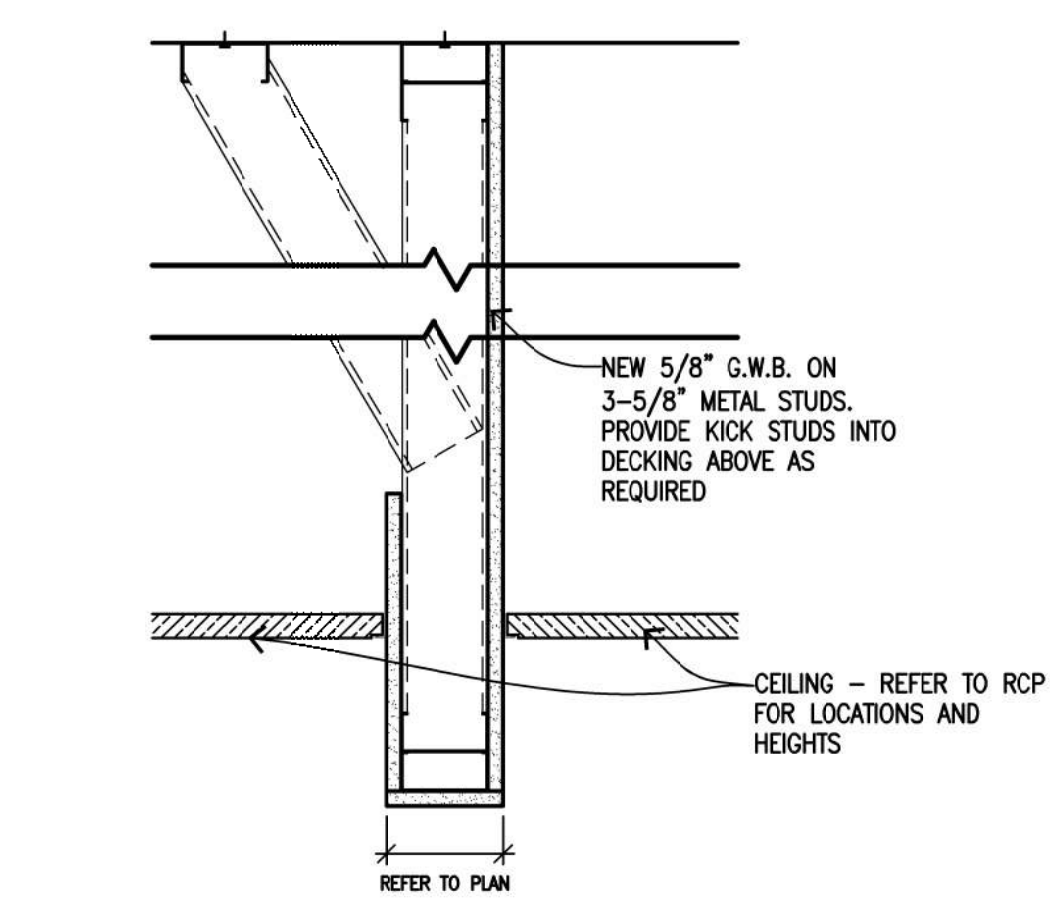
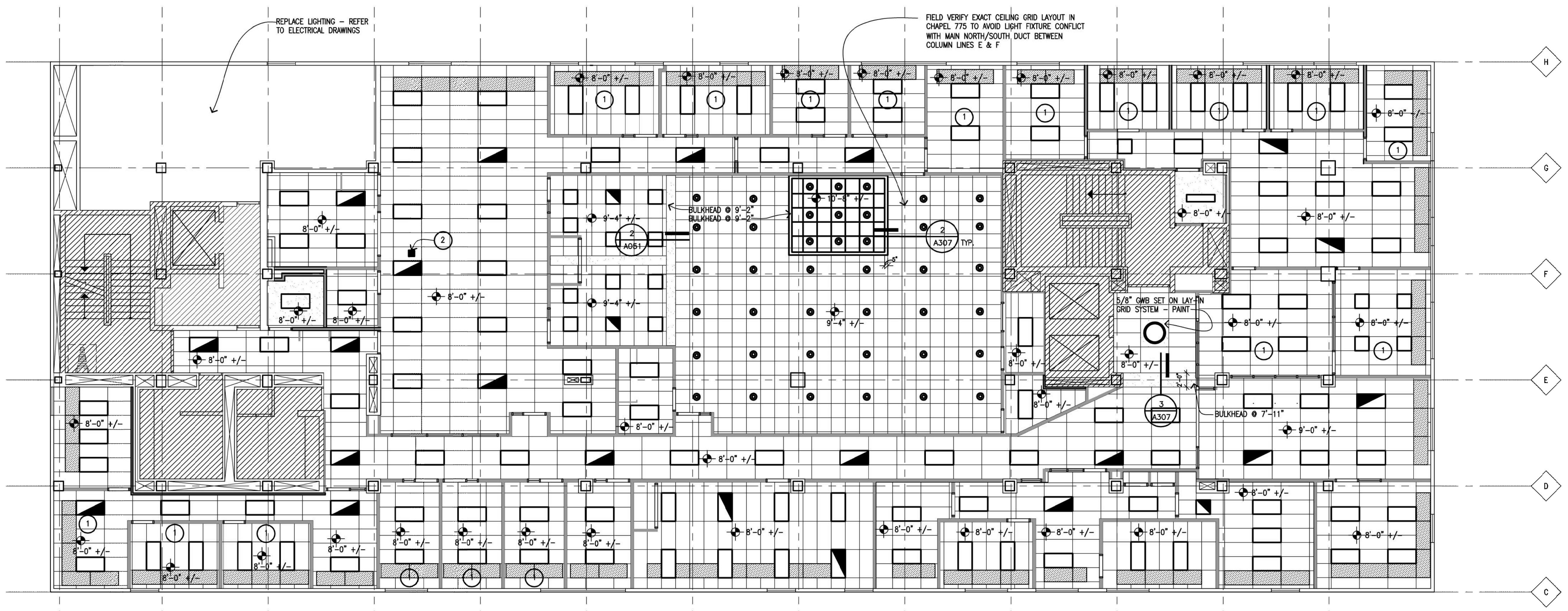
- NEW 2 X 4 FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE
- NEW 2 X 2 FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE
- NEW FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE (ON NIGHT LIGHT CIRCUIT)
- NEW 3-0" RECESSED LIGHT FIXTURE
- RADIANT CEILING PANEL - SEE MECHANICAL
- 2'X2' ACOUSTIC CEILING TILE AND GRID
- 2'X4' ACOUSTIC CEILING TILE AND GRID
- GYPSUM BOARD CEILING - PAINT

GENERAL NOTES

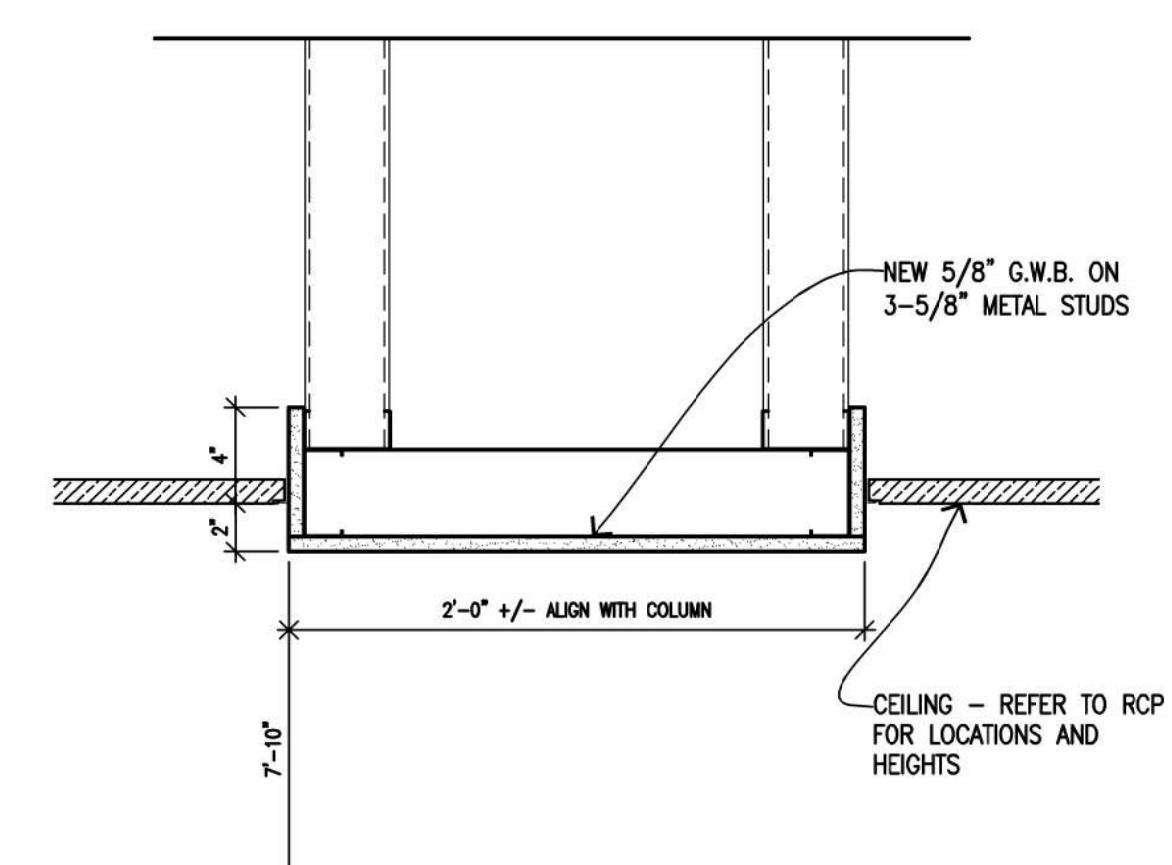
1. CENTER CEILING GRID IN EACH ROOM AS SHOWN UNLESS OTHERWISE NOTED, ADJUSTING AS REQUIRED TO COORDINATE WITH RCP LOCATIONS (SEE MECHANICAL DWGS.)

KEYNOTES

1. PLACE BATT INSULATION 2'-0" AROUND PERIMETER OF ROOM
2. OVERHEAD PROJECTOR BY TENANT



2 BULKHEAD DETAIL
 A307 Scale: 1-1/2" = 1'-0"



3 BULKHEAD DETAIL
 A307 Scale: 1-1/2" = 1'-0"

1 SEVENTH FLOOR REFLECTED CEILING PLAN
 A307 Scale: 1/8" = 1'-0"

Revisions

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7TH FLOOR PLAN REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"
 Sheet
A307



5TH FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

- LIGHTING CONTROL DEVICES:**
- ⊙ OCCUPANCY SENSOR - WALL SWITCH, PASSIVE INFRARED TYPE, #WA-200
 - ⊙ OCCUPANCY SENSOR - CEILING MOUNTED (ULTRASONIC TYPE), #WT-1105
 - ⊙ OCCUPANCY SENSOR - DUAL TECHNOLOGY TYPE (INFRARED AND ULTRASONIC)
 - ⊙ OCCUPANCY SENSOR - CEILING MOUNTED ULTRASONIC TYPE FOR HALLWAYS.

ELECTRICAL TRADES SHALL REFER TO "WATTSTOPPER" LAYOUT DRAWINGS FOR SUGGESTED DEVICE LOCATION, DIRECTIONAL ORIENTATION, MODEL NUMBER, WATTAGE, ETC. PRIOR TO COMMENCING WITH WORK.

- SHEET NOTES:**
1. ALL 2'X2' LAY-IN FIXTURES TO BE TYPE "LB" UNLESS OTHERWISE NOTED.
 2. ALL 2'X2' LAY-IN FIXTURES TO BE TYPE "LBA" UNLESS OTHERWISE NOTED.
 3. ALL EXIT LIGHTS SHALL BE TYPE "X", UNLESS OTHERWISE INDICATED.
 4. CONNECT ALL EMERGENCY NIGHT LIGHTS, EXIT LIGHTS ON THIS SHEET TO NEW EMERGENCY LIGHTING PANELBOARD LP-SEL, CIRCUIT, #1.
 5. ELECTRICAL TRADES TO "HOME RUN" TV OUTLETS FROM OUTLET TO DIRECT TV HEAD END LOCATED IN 7TH FLOOR MECHANICAL ROOM. VERIFY EXACT LOCATION IN FIELD.
 6. FIRE ALARM SYSTEM DEVICES ARE INDICATED ON THE DRAWINGS FOR GENERAL LAYOUT AND SPACING ONLY. EXACT LOCATION SHALL BE COORDINATED IN FIELD BASED ON AVAILABLE CEILING/WALL AREAS AND POSSIBLE DEVICE VIEWING INTERFERENCES.
 7. ALL DOOR ACCESS CONTROL SYSTEM ROUGH-INS SHALL BE COORDINATED WITH THE DOOR HARDWARE SUPPLIER'S POINT-TO-POINT WIRING DIAGRAMS AND CURRENT WSU SECURITY SYSTEM REQUIREMENTS. (FINAL EQUIPMENT CONNECTIONS BY OWNER)
 8. FOR EXACT LOCATION OF LIGHT FIXTURES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
 9. 277 VOLT BRANCH CIRCUITS OVER 200 L.F. TO BE #10AWG MINIMUM UNLESS OTHERWISE NOTED.
 10. ALL 120V, 20A CIRCUITS OVER 100' IN LENGTH TO BE #10AWG WIRING.
 11. CUT, CORE DRILL AND CHANNEL EXISTING WALLS, FLOORS AND ROOF AS REQUIRED TO INSTALL MECHANICAL WORK. PATCH FLOORS, WALLS AND ROOF TO MATCH EXISTING.
 12. CIRCUIT NUMBERS SHOWN (FROM EXISTING PANELS) ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL POSITION OF "SPARE" CIRCUIT BREAKERS IN EXISTING PANELS. "SPARE" CIRCUIT BREAKERS ARE THOSE THAT ARE EXISTING SPARE OR BECOME AVAILABLE DUE TO DEMOLITION IN THE AREA.
 13. VOIP CABLING SHALL BE CATEGORY 6 UTP, GREEN IN COLOR WITH ORANGE JACKS. VOIP JACK SHALL BE LOCATED IN THE FACEPLATE BOTTOM POSITION (VERTICAL) OR THE FACEPLATE RIGHT POSITION (HORIZONTAL).
 14. VOIP JACK LABELING SHALL CONSIST OF [ROOM NUMBER] - [JACK NUMBER + FUNCTION] EX: 588-10, 588-20, 588-10, ETC.
 15. ALL CABLING INSTALLED IN ACCESSIBLE CEILING SYSTEMS SHALL BE SUPPORTED BY CABLE TRAY OR J-HOOKS.
 16. TELECOMMUNICATIONS CABLING SHALL BE ROUTED IN CONTINUOUS CONDUIT ABOVE HARD CEILING OR BETWEEN FLOORS IN ANY KIND OF OFFSET CONDITION.
 17. DO NOT ROUTE EXPOSED COMMUNICATIONS PATHWAY WITHIN 12" OF LIGHTING FIXTURES AND ELECTRICAL POWER FEEDERS.
 18. COAXIAL BRANCH/DROP CABLES SHALL BE RG-6U, 95% OR HIGHER RTI SHIELD RATING, QUAD-SHIELDED, DOUBLE BRAIDED, FLEXIBLE RATED. CABLE SHALL BE "HOME RUN" TO THE 7TH FLOOR MECHANICAL ROOM WHERE THE "DIRECT TV" HEAD-END EQUIPMENT IS LOCATED.
 19. COAX JACKS/CONNECTORS SHALL BE "GRAYFOX GOLD #7530". NO SUBSTITUTIONS ALLOWED. WALL JACKS SHALL BE 75 Ohm, SELF-TERMINATING WITH TYPE F CONNECTOR. WALL PLATES SHALL BE SATIN FINISH, STAINLESS STEEL, SQUARE CORNER, SIZED TO MATCH JUNCTION BOXES.
 20. BACK TO BACK ELECTRICAL OUTLETS IN CAPS STATION SPACE BETWEEN COLUMN LINES 19&20 AND F&H) ARE REQUIRED TO BE IN SEPARATE STUD SPACE FOR ACOUSTICAL PRIVACY.

NEW WORK KEY NOTES:
(APPLICABLE THIS SHEET ONLY)

1. EXISTING LIGHT FIXTURES, EXIT LIGHTS AND CEILING MOUNTED DEVICES (I.E. SPEAKERS, F/A ETC.) REINSTALLED.
2. CONNECT EMERGENCY EGRESS LIGHT FIXTURE TOGETHER WITH NORMAL LIGHT FIXTURES IN THE ROOM THRU EMERGENCY POWER TRANSFER CONTROL SWITCH (MODEL LV54 EPC-A). SEE EMERGENCY EGRESS LIGHTING CONTROL DIAGRAM ON SHEET E1.
3. REPLACE (4) ELECTRICAL JUNCTION BOXES WITH CHIEF PAC 525 BOX, CONDUITS, DATA OUTLET BOX AND 2 GANG EXTRA DEEP BOX. REFER TO AV CONSULTANTS DRAWINGS FOR ROUGH-IN REQUIREMENTS INCLUDING MOUNTING HEIGHT.
4. EXISTING FIRE ALARM DEVICE RE-INSTALLED AND RECONNECTED TO "BASE BUILDING" FIRE ALARM SYSTEM. EXTEND WIRING AS REQUIRED.
5. EXISTING WIRELESS ROUTER RE-INSTALLED AND RECONNECTED AS REQUIRED. COORDINATE WITH WSU C&T DEPARTMENT.
6. EZ-PATH (4" SQUARE) FIRE RATED RACEWAY, MODEL #E2D44 FOR TECHNOLOGY WIRING.
7. EXISTING ALARM SYSTEM AND GLASS BREAKAGE SENSOR DEVICES REINSTALLED. PROVIDE NEW LOW VOLTAGE WIRING AS REQUIRED.
8. CONNECT NEW MECHANICAL EQUIPMENT TO EXISTING PANEL LP-CC. SEE ONE LINE DIAGRAM ON SHEET E4.
9. RE-CIRCUIT EXISTING LIGHT FIXTURES IN TOILET ROOMS TO PROVIDE EGRESS ILLUMINATION. CONNECT TO EMERGENCY LIGHTING PANEL LP-SEL (CKT.#3)
10. INSTALLATION AND FINAL TERMINATION OF NEW DDC CONTROLS WIRING FOR THE STUDENT CENTER BUILDING 5TH FLOOR SHALL BE BY ELECTRICAL TRADES. DDC CONTROLS PROGRAMMING AND COMMISSIONING SHALL BE BY SIEMENS. (WSU AUTHORIZED CONTROL SYSTEM PROVIDER). REFER TO DDC CONTROLS DOCUMENTS IN MECHANICAL PORTION OF THIS PROJECT DESIGN FOR DETAILED INFORMATION.
11. RE-CIRCUIT, EXISTING LIGHT FIXTURES TO EMERGENCY LIGHTING PANEL LP-SEL (CKT.#3).
12. 30A, 208V, 1PH OUTLET FOR NEW IT CABINET. COORDINATE WITH WSU C. AND IT.
13. PROVIDE FLUSH MOUNTED STARTER SWITCH WITH LED "ON" PILOT LIGHT.
14. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF RECEPTACLE OUTLETS IN BREAK ROOM.
15. PROVIDE ROOM OCCUPANCY SENSORS WITH AUXILIARY RELAY CONTACTS FOR INTERFACE WITH MECHANICAL VAVR CONTROLS.
16. SYSTEMS FURNITURE ELECTRICAL WHIP FURNISHED BY OWNER'S FURNITURE SUPPLIER. CONNECTION OF ELECTRICAL WHIP TO SYSTEMS FURNITURE AND BUILDING POWER IS BY ELECTRICAL TRADES. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT. COORDINATE WITH OWNER'S FURNITURE SUPPLIER.
17. EXTEND THE EXISTING DYNASOUND DS1024 SOUNDMASKING SYSTEM. PROVIDE A DS1338 SOUNDMASKING SPEAKER IN EACH OF THE OFFICES NOTED AND TWO (2) SPEAKERS IN THE CORRIDOR. REFER TO "SOUND MASKING SYSTEM EXTENSION NARRATIVE AND SPECIFICATION" ISSUED WITH BULLETIN No.6 FOR ADDITIONAL DETAIL.
18. REPLACE (3) ELECTRICAL JUNCTION BOXES WITH CHIEF PAC 525 BOX. REFER TO AV CONSULTANTS DRAWINGS FOR ROUGH-IN REQUIREMENTS INCLUDING MOUNTING HEIGHTS. DETERMINE CONDUITS IN CHIEF PAC 525 BOX.

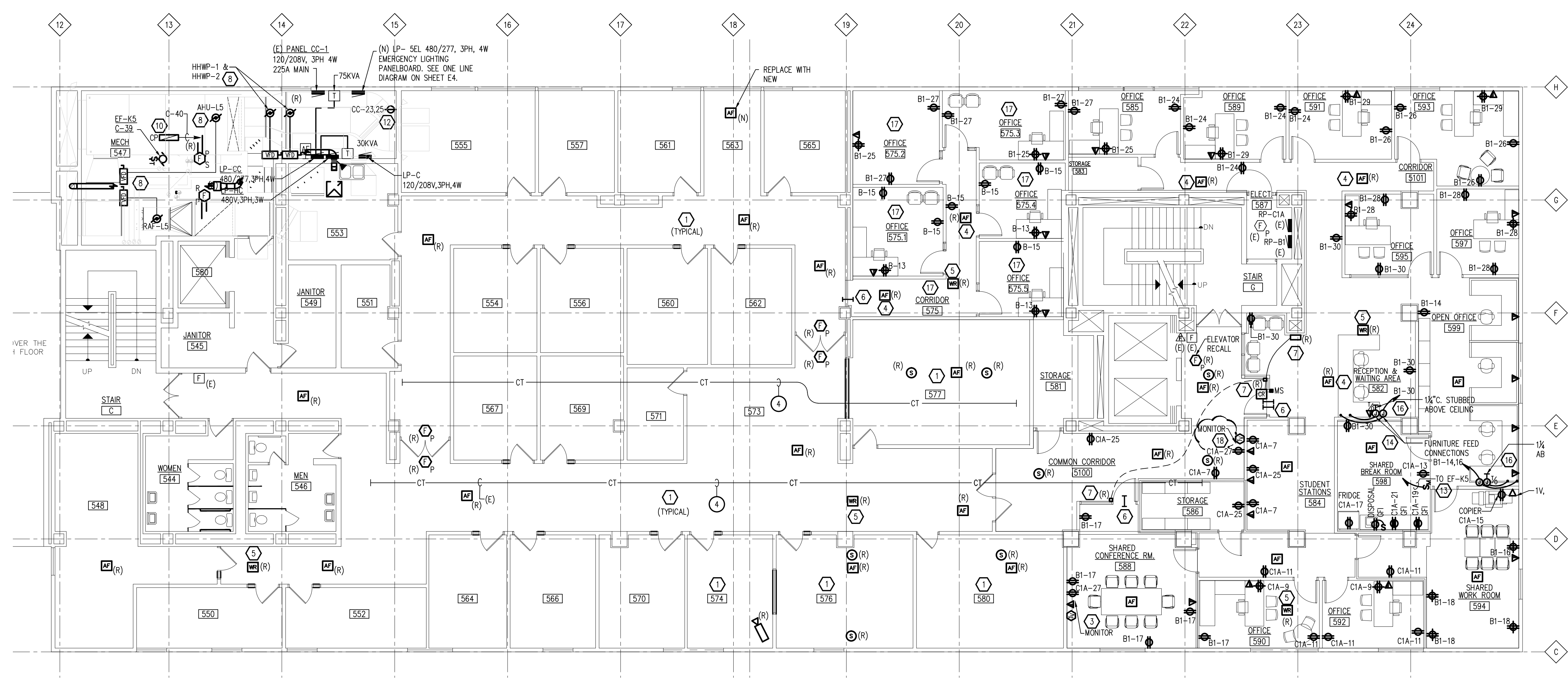
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5TH FLOOR PLANS - ELECTRICAL NEW WORK

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E3



5TH FLOOR PLAN - POWER AND SYSTEMS
SCALE: 1/8" = 1'-0"



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These documents are traditional plan and specification documents that are not intended to be used by the contractor as shop drawings. Final dimensions, equipment access, racking, miscellaneous items, final installation and coordination is the contractor's responsibility.

Revisions

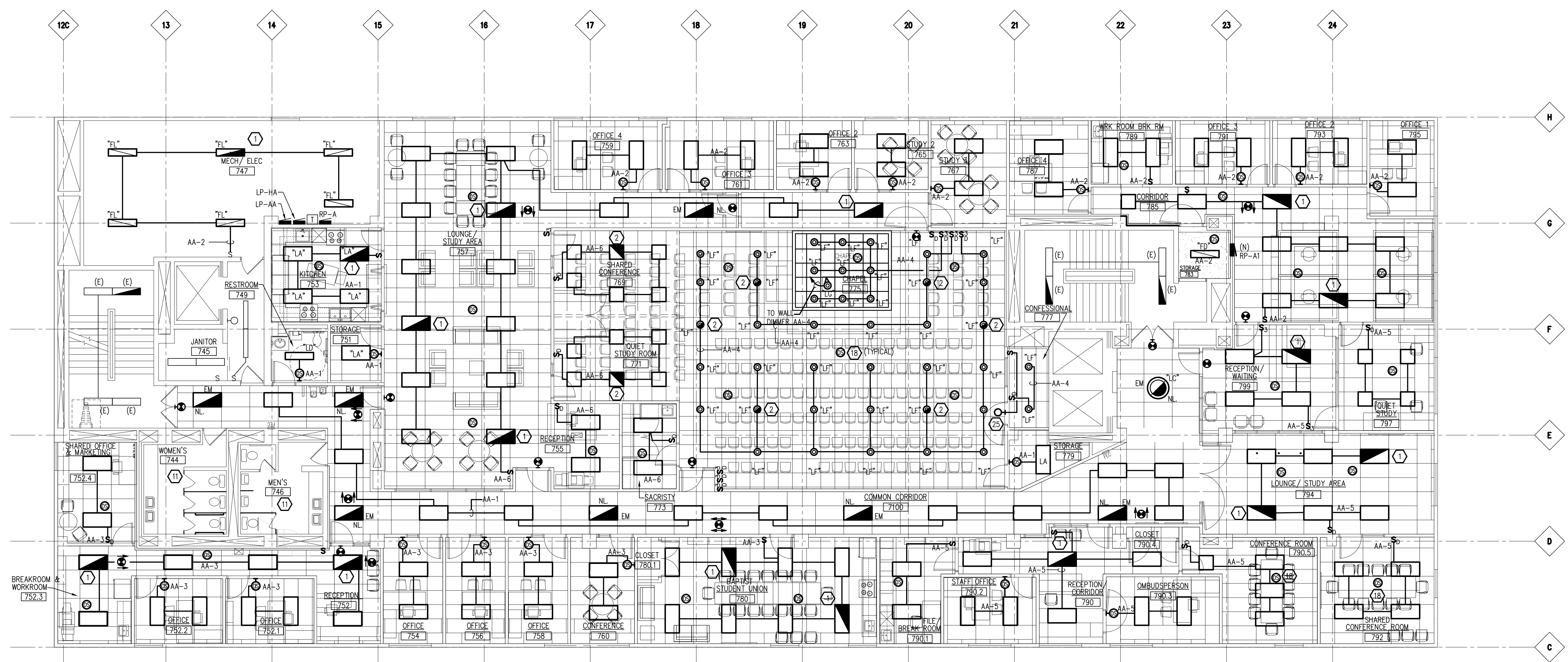
05.27.2016	BID PACKAGE 2 - AUDIO/VISUAL
04.26.2016	BULLETIN No.6
03.18.2016	BULLETIN No.5
02.05.2016	BULLETIN No.3
12.18.2015	CONSTRUCTION ADDENDUM NO.2
08.20.2015	ADDENDUM NO.1
08.14.2015	BIDS & CONSTRUCTION CD Owner Review
07.28.2015	DESIGN DEVELOPMENT
07.16.2015	
06.23.2015	

Date	06/23/15	Preliminary
Drawn	SKH	Construction
Checked	PA	Record
Approved		Do not scale
		Use figured dimensions only

WSU Project Number	034-261806
Job Number	201525
Title	7TH FLOOR PLANS ELECTRICAL NEW WORK
Scale	as Noted

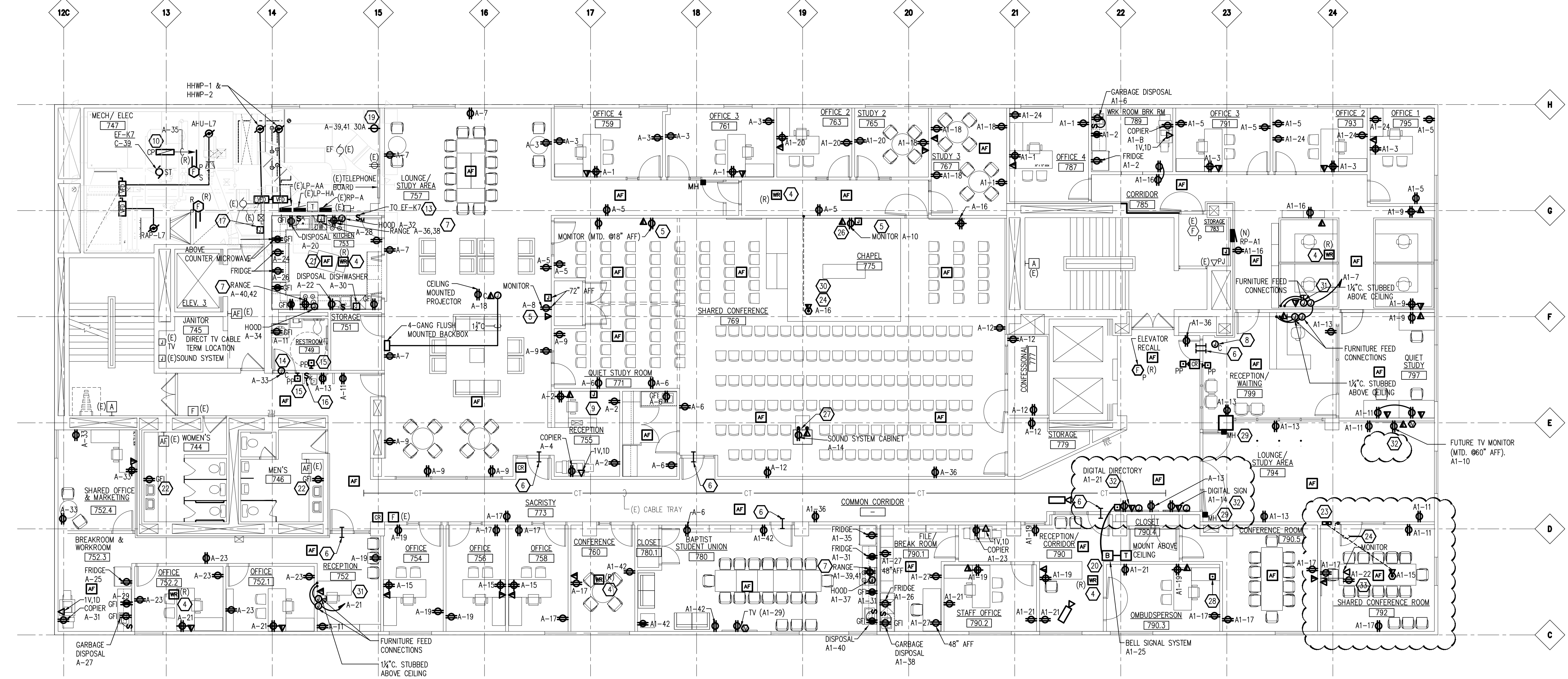
- SHEET NOTES:**
- ALL 2'x4' LAY-IN FIXTURES TO BE TYPE "LB" UNLESS OTHERWISE NOTED.
 - ALL 2'x2' LAY-IN FIXTURES TO BE TYPE "LBA" UNLESS OTHERWISE NOTED.
 - ALL EXIT LIGHTS SHALL BE TYPE "X", UNLESS OTHERWISE INDICATED.
 - CONNECT ALL EMERGENCY NIGHT LIGHTS, EXIT LIGHTS ON THIS SHEET TO NEW EMERGENCY LIGHTING PANELBOARD LP-SEL, CIRCUIT, #1.
 - ELECTRICAL TRADES TO "HOME RUN" TV OUTLETS FROM OUTLET TO DIRECT TV HEAD END LOCATED IN 7TH FLOOR MECHANICAL ROOM. VERIFY EXACT LOCATION IN FIELD.
 - FIRE ALARM SYSTEM DEVICES ARE INDICATED ON THE DRAWINGS FOR GENERAL LAYOUT AND SPACING ONLY. EXACT LOCATION SHALL BE COORDINATED IN FIELD BASED ON AVAILABLE CEILING/WALL AREAS AND POSSIBLE DEVICE VIEWING INTERFERENCES.
 - ALL DOOR ACCESS CONTROL SYSTEM ROUGH-INS SHALL BE COORDINATED WITH THE DOOR HARDWARE SUPPLIER'S POINT-TO-POINT WIRING DIAGRAMS AND CURRENT WSU SECURITY SYSTEM REQUIREMENTS. (FINAL EQUIPMENT CONNECTIONS BY OWNER)
 - FOR EXACT LOCATION OF LIGHT FIXTURES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
 - 277 VOLT BRANCH CIRCUITS OVER 200 LF. TO BE #10AWG MINIMUM UNLESS OTHERWISE NOTED.
 - ALL 120V, 20A CIRCUITS OVER 100' IN LENGTH TO BE #10AWG WIRING.
 - CUT, CORE DRILL AND CHANNEL EXISTING WALLS, FLOORS AND ROOF AS REQUIRED TO INSTALL MECHANICAL WORK. PATCH FLOORS, WALLS AND ROOF TO MATCH EXISTING.
 - CIRCUIT NUMBERS SHOWN (FROM EXISTING PANELS) ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL POSITION OF "SPARE" CIRCUIT BREAKERS IN EXISTING PANELS. "SPARE" CIRCUIT BREAKERS ARE THOSE THAT ARE EXISTING SPARE OR BECOME AVAILABLE DUE TO DEMOLITION IN THE AREA.
 - PROVIDE A SEPARATE NEUTRAL & GROUND FOR EACH DEDICATED BRANCH CIRCUIT.
 - VOP CABLING SHALL BE CATEGORY 6E UTP, GREEN IN COLOR WITH ORANGE JACKS. VOP JACK SHALL BE LOCATED IN THE FACEPLATE BOTTOM POSITION (VERTICAL) OR THE FACEPLATE RIGHT POSITION (HORIZONTAL).
 - VOP JACK LABELING SHALL CONSIST OF [ROOM NUMBER] - [JACK NUMBER + FUNCTION]. EX: 788-10, 788-20, 790-10, ETC.
 - ALL CABLING INSTALLED EXPOSED IN ACCESSIBLE CEILING SYSTEMS SHALL BE SUPPORTED BY CABLE TRAY OR J-HOOKS.
 - TELECOMMUNICATIONS CABLING SHALL BE ROUTED IN CONTINUOUS CONDUIT ABOVE HARD CEILINGS OR BETWEEN FLOORS IN ANY KIND OF OFFSET CONDUIT.
 - DO NOT ROUTE EXPOSED COMMUNICATIONS PATHWAY WITHIN 12" OF LIGHTING FIXTURES AND ELECTRICAL POWER FEEDERS.
 - COAXIAL BRANCH/DROP CABLES SHALL BE RG-6, 98% OR HIGHER RFI SHIELD RATING, QUADSHIELDED, DOUBLE BRAIDED, PLENUM RATED. CABLE SHALL BE "HOME RUNNED" TO THE MECHANICAL ROOM WHERE THE "DIRECT TV" HEAD-END EQUIPMENT IS LOCATED.
 - COAX JACKS/CONNECTORS SHALL BE "GRAYFOX GOLD #7530". NO SUBSTITUTIONS ALLOWED. WALL JACKS SHALL BE 75 Ohm, SELF-TERMINATING WITH TYPE F CONNECTOR. WALL PLATES SHALL BE SATIN FINISH, STAINLESS STEEL, SQUARE CORNER, SIZED TO MATCH JUNCTION BOXES.

- NEW WORK KEY NOTES:**
 (APPLICABLE THIS SHEET ONLY)
- CONNECT EMERGENCY EGRESS LIGHT FIXTURE TOGETHER WITH NORMAL LIGHT FIXTURES IN THE ROOM THRU EMERGENCY POWER TRANSFER CONTROL SWITCH (MODEL LVSP EPC-A). SEE EMERGENCY EGRESS LIGHTING CONTROL DIAGRAM ON SHEET E1.
 - INDICATES EMERGENCY EGRESS LIGHTING FIXTURE THAT IS CONTROLLED VIA DIMMING CONTROLLER WITH NORMAL LIGHT FIXTURES THRU INTERCONNECTION WITH EMERGENCY POWER TRANSFER CONTROL DEVICE. (WATT STOPPER ELOU-200). REFER TO ENHANCED ROOM CONTROLLER WITH EMERGENCY BYPASS FOR DIMMABLE FIXTURES ON DIAGRAM SHEET E.
 - EXISTING FIRE ALARM DEVICE RE-INSTALLED AND RECONNECTED TO BASE BUILDING FIRE ALARM SYSTEM. EXTEND WIRING AS REQUIRED.
 - EXISTING WIRELESS ROUTER TO BE RE-INSTALLED AND RECONNECTED AS REQUIRED.
 - FOR WALL MOUNTED TV MONITOR. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
 - EZ-PATH (4" SQUARE) FIRE RATED RACEWAY (MODEL #EZD44).
 - PROVIDE 3#6+1#0GDR TO NEW 50A-2P BREAKER, CIRCUIT AS SHOWN.
 - JUNCTION BOX ABOVE CEILING FOR 120VOLT POWER TO ROOF OPENER (VERIFY EXACT LOCATION)
 - PROVIDE 2 GANG BOX IN WALL AT 18" AFF BELOW RECEPTION DESK WITH 1" CONDUIT TO JUNCTION BOX ABOVE CEILING FOR LOW VOLTAGE WIRING.
 - INSTALLATION AND FINAL TERMINATION OF NEW DDC CONTROLS WIRING FOR THE STUDENT CENTER BUILDING 7TH FLOOR SHALL BE BY ELECTRICAL TRADES. DDC CONTROLS PROGRAMMING AND COMMISSIONING SHALL BE BY SIEMENS. (WSU AUTHORIZED CONTROL SYSTEM PROVIDER). REFER TO DDC CONTROLS DOCUMENTS IN MECHANICAL PORTION OF THIS PROJECT DESIGN FOR DETAILED INFORMATION.
 - RE-CIRCUIT, EXISTING LIGHT FIXTURES IN TOILET ROOMS TO PROVIDE EGRESS ILLUMINATION. CONNECT TO EMERGENCY LIGHTING PANEL LP-SEL (Ckt#3).
 - COORDINATE EXACT LOCATION WITH ACTUAL HOOD PROVIDER PRIOR TO ROUGH-IN. CIRCUIT BR-40.
 - PROVIDE FLUSH MOUNTED STARTER SWITCH WITH LED "ON" PILOT LIGHT.
 - JUNCTION BOX ABOVE CEILING FOR 120VOLT CIRCUIT TO POWERED BARRIER-FREE DOORS.
 - PUSH PLATE FOR POWERED BARRIER-FREE DOOR (VERIFY EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN)
 - KEY SWITCH FOR OVERRIDE/DEACTIVATION OF BARRIER-FREE DOOR OPERATOR SYSTEM. (VERIFY EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN)
 - JUNCTION BOX WITH (3) 20A, 1P, 277V BRANCH CIRCUITS FROM EMERGENCY LIGHTING PANEL LP-SEL ON 5TH FLOOR. SEE ONE LINE DIAGRAM ON SHEET E4.
 - PROVIDE ROOM OCCUPANCY SENSORS WITH AUXILIARY RELAY CONTACTS FOR INTERFACE WITH MECHANICAL VAVR CONTROLS.
 - 30A, 208V, 1PH FOR NEW IT EQUIPMENT. COORDINATE WITH WSU C & IT DEPARTMENT.
 - ELECTRICAL TRADES TO PROVIDE A BELL SIGNAL SYSTEM COMPLETE WITH FLUSH MOUNTED PUSH BUTTON, CHIME, TRANSFORMER, AND WIRING.
 - PROVIDE GFI RECEPTACLE OUTLETS IN KITCHEN PER N.E.C. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING HEIGHT OF ALL OUTLETS.
 - REPLACE EXISTING RECEPTABLES WITH NEW GFI AND STAINLESS STEEL COVERPLATE. RECONNECT TO EXISTING CIRCUIT.
 - FSR FLUSH MOUNTED BACKBOX FOR IPAD DEVICE BY ELECTRICAL TRADES. (FSR CAT.#WE-FWIPONS) PROVIDE 120V, 20A DEDICATED POWER (2#12+1#120-3/4") AND 1" EMPT CONDUIT TO CEILING SPACE FOR COMMUNICATION WIRING.
 - LEGAND-WIREMOLD EVOLUTION CONFIGURATOR SERIES. 6 GANG FLOOR BOX WITH DIE CAST ALUMINUM COVER ASSEMBLY, GRAY, FLUSH STYLE COVER WITH CARPET INSERT. ONE (1) DUPLEX RECEPTACLE AND DATA OUTLET. (2) 1/4" CONDUITS FOR AV WIRING AND 3/4" CONDUITS FOR POWER AND DATA. CONDUITS ROUTE IN PLATFORM ASSEMBLY TO 3 GANG PULL BOX IN WALL. MOUNT 18" AFF WITH A PLATE COVER.
 - ONE GREEN AND ONE RED PILOT LIGHT WITH STAINLESS PLATE MOUNTED IN AN OUTLET BOX CONTROLLED BY DOUBLE THROW SWITCH.
 - PROVIDE (1) 1" CONDUIT FROM MONITOR BACK TO SOUND SYSTEM CABINET ON THE EAST SIDE OF COLUMN 19-E.
 - TWO (2) 1/2" E.C. CONCEALED IN WALL FROM SOUND SYSTEM CABINET UP TO CEILING SPACE FOR L.V. WIRING.
 - COORDINATE EXACT LOCATION OF DURESS BUTTON WITH OWNER PRIOR TO ROUGH-IN. PROVIDE 3" CONDUIT FROM DURESS BUTTON UP TO CEILING SPACE.
 - CONNECT MAGNETIC DOOR HOLDERS TO EXISTING BUILDING FIRE ALARM SYSTEM.
 - VERIFY LOCATION OF FLOOR BOX WITH TENANT AND WSU PRIOR TO INSTALLATION.
 - SYSTEMS FURNITURE ELECTRICAL WHIP FURNISHED BY OWNER'S FURNITURE SUPPLIER. CONNECTION OF ELECTRICAL WHIP TO SYSTEMS FURNITURE IS BY ELECTRICAL TRADES. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT. COORDINATE WITH OWNER'S FURNITURE SUPPLIER.
 - REPLACE (3) ELECTRICAL JUNCTION BOXES WITH CHEF PAC 525 BOX. REFER TO AV CONSULTANT'S DRAWING FOR ROUGH-IN REQUIREMENTS INCLUDING MOUNTING HEIGHT. DETERMINE CONDUITS IN CHEF PAC 525 BOX.
 - PROVIDE CHEF PAC 525 BOX FOR TV MONITOR. REFER TO AV CONSULTANT'S DRAWING FOR ROUGH-IN REQUIREMENTS FOR CHEF PAC 525 BOX. CHEF PAC 525 DATA DROP AND CONDUITS.



7TH FLOOR PLAN - LIGHTING
 SCALE: 1/8" = 1'-0"

- LIGHTING CONTROL DEVICES:**
- 1 OCCUPANCY SENSOR - WALL SWITCH, PASSIVE INFRARED TYPE, #WA-200
 - 2 OCCUPANCY SENSOR - CEILING MOUNTED (ULTRASONIC TYPE), #WT-1105
 - 3 OCCUPANCY SENSOR - DUAL TECHNOLOGY TYPE (INFRARED AND ULTRASONIC)
 - 4 OCCUPANCY SENSOR - CEILING MOUNTED ULTRASONIC TYPE FOR HALLWAYS.
- ELECTRICAL TRADES SHALL REFER TO "WATTSTOPPER" LAYOUT DRAWINGS FOR SUGGESTED DEVICE LOCATION, DIRECTIONAL ORIENTATION, MODEL NUMBER, WATTAGE, ETC. PRIOR TO COMMENCING WITH WORK.



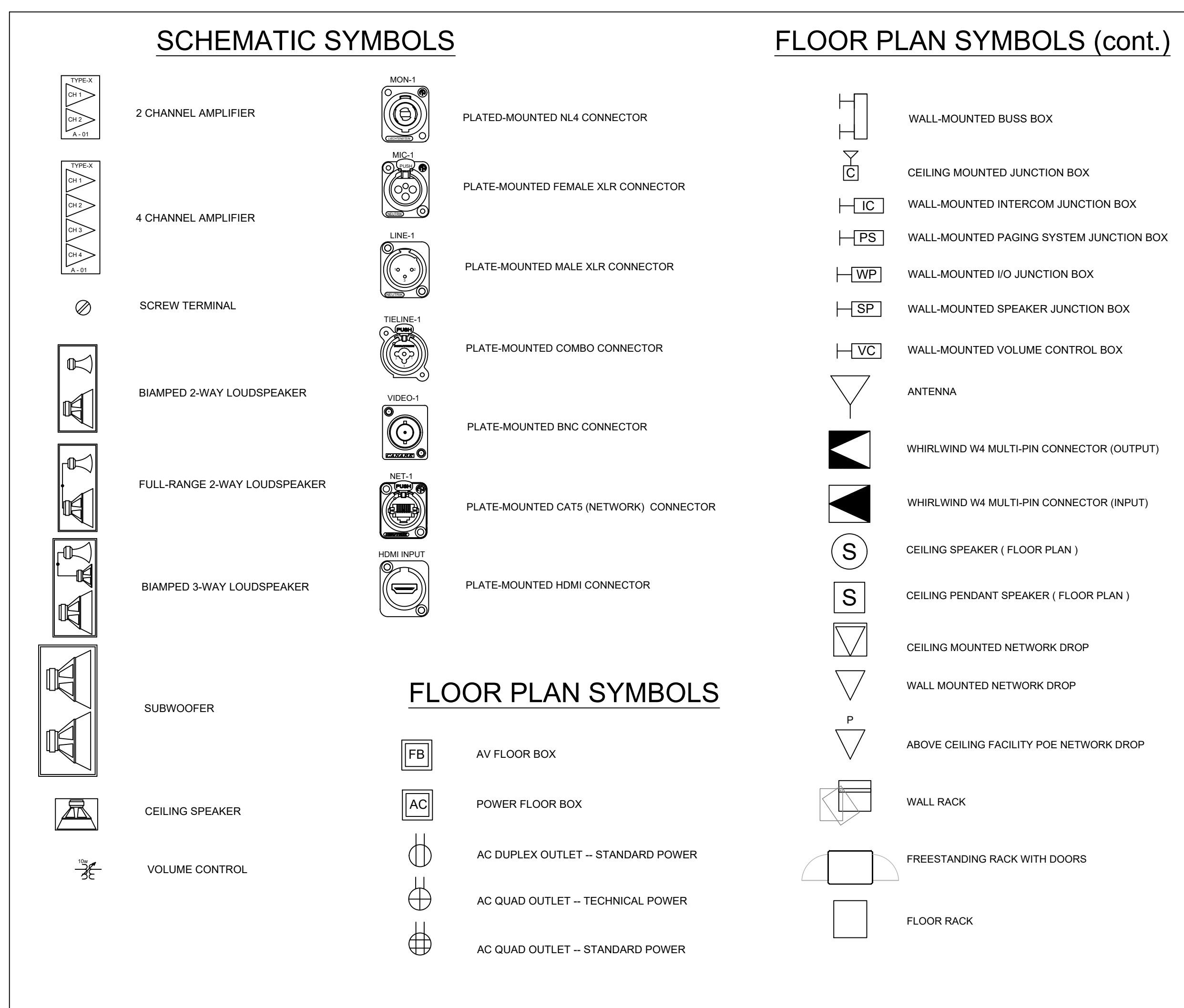
7TH FLOOR PLAN - POWER AND SYSTEMS
 SCALE: 1/8" = 1'-0"

DiClemente Siegel Design Inc.
 Engineering and Architecture
 40000 Greenbelt Road, Southfield, Michigan 48034-3946
 248.595.1430 Fax 248.599.0269

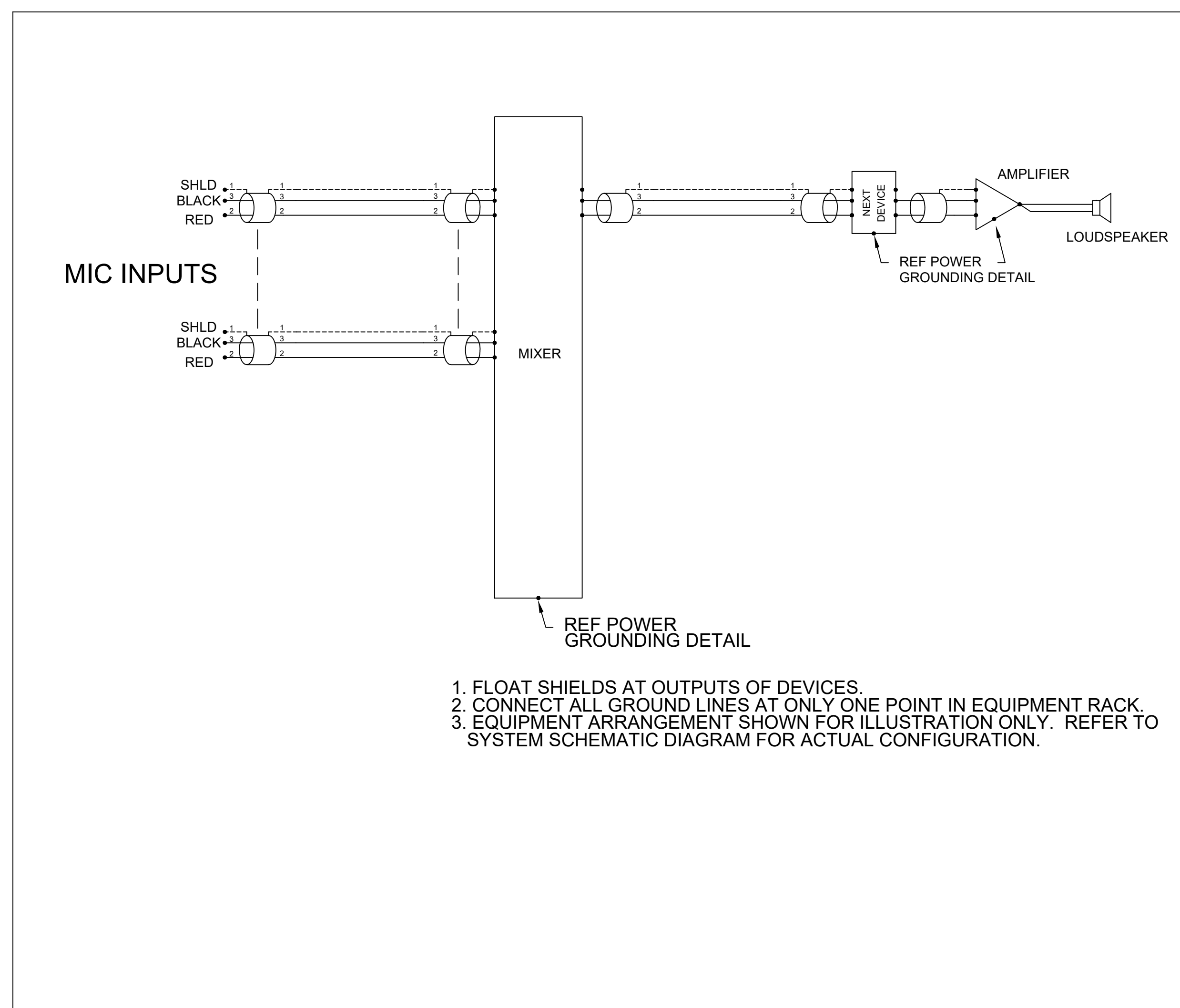
Project No. 14-4804.00
 06/23/15
 14-4804.00-E3.DWG

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1 SYMBOL LEGEND
ALL SYMBOLS MAY NOT BE USED



2 SIGNAL GROUNDING DETAIL
NO SCALE

AFF	ABOVE FINISHED FLOOR ATTENUATOR
ATT	
CASS	CASSETTE
CD	COMPACT DISC
CH	CHANNEL
CKT	CIRCUIT
CV	COMPOSITE VIDEO
DA	DISTRIBUTION AMP
DIA	DIAMETER
DM	DIMENSION
DWG	DRAWING
ELEC EQUIP	ELECTRICAL EQUIPMENT
G	GROUND GAUGE
GA	GENERATOR
GEN	
HF	HIGH FREQUENCY
HORIZ	HORIZONTAL
ICOMIC	INTERCOM
IG	ISOLATED GROUND
IB	INTERCOM JUNCTION BOX
ISO	ISOLATION
LIR	LEFT/RIGHT
MIC	MICROPHONE
MIX	MIXER
MP	MICROPHONE PATCH
MOD	MODULATOR
MON	MONITOR
MTD	MOUNTED MATRIX
MTRX	
N	NEUTRAL
OFE	OWNER FURNISHED EQUIPMENT
PLT	PLATE
PNL	PANEL
POE	POWER OVER ETHERNET
PROJ	PROJECTOR
PS/PSU	POWER SUPPLY UNIT
SJ	SPEAKER JUNCTION BOX
SW	SWITCH
SYNC	SYNCHRONIZATION
UB	UNDER BALCONY
UNBAL	UNBALANCED
VD	VIDEO
VJ	VIDEO JUNCTION BOX
W	WATT
WJ	WITH
W/O	WITHOUT

3 ABBREVIATIONS

GENERAL INFORMATION & DIVISION OF LABOR

TERMS:
FURNISH = PROVIDE AND INSTALL.
PROVIDE = DELIVER TO CUSTOMER IN BOX.
INSTALL = TAKE PROVIDED PIECE AND INSTALL PER DRAWING AND SPEC.

ELECTRICAL CONTRACTOR:

- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT AND BOXES ASSOCIATED WITH THE AUDIO, VIDEO, AND THEATRICAL LIGHTING SYSTEMS AS SHOWN ON THE DRAWINGS.
- ELECTRICAL CONTRACTOR SHALL SUPPLY ALL JUNCTION BOXES FOR THE AV AND THEATRICAL LIGHTING SYSTEMS WITH APPROPRIATE COVERS.
- ALL CONDUITS NOT SPECIFICALLY IDENTIFIED SHALL BE 3/4".
- ALL CONDUITS BELOW GRADE SHALL BE PVC OR AS REQUIRED BY CODE. ALL CONDUITS ABOVE GRADE SHALL BE EMT OR AS REQUIRED BY CODE.
- NO CONDUIT SHALL BE INSTALLED WITH MORE THAN THREE (3) 90 DEGREE BENDS. IF A CONDUIT RUN REQUIRES MORE THAN THREE BENDS OR IF THE CONDUIT RUN IS IN EXCESS OF 150' IN TOTAL LENGTH, INSERT A PULL BOX OR USE THE NEXT LARGER SIZE CONDUIT.
- ALL CONDUITS TO BE LABELED AT THE SOURCE BOX WITH THE DESTINATION BOX IN A CLEAR AND LOGICAL MANNER.
- ENDS OF ALL CONDUITS ARE TO BE DEBURRED AND SHALL HAVE AN APPROPRIATE BUSHING INSTALLED.
- ELECTRICAL CONTRACTOR SHALL SUPPLY A POLY PULL-LINE IN EACH CONDUIT.
- ALL LINE VOLTAGE WIRE FOR THE SOUND, VIDEO, AND THEATRICAL LIGHTING SYSTEMS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- LINE VOLTAGE CONDUITS SHALL MAINTAIN A MINIMUM OF 24" SEPARATION FROM AUDIO SIGNAL CONDUITS EXCEPT TO CROSS AT 90° ANGLE WHEN NECESSARY.
- ALL AV FLOOR POCKETS INCLUDING COVER PLATES AND LIDS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE A #6 TECHNICAL GROUND WIRE FROM THE INSULATED GROUND BUS BAR IN PANEL BPV TO THE MAIN AUDIO EQUIPMENT RACKS.

AV CONTRACTOR:

- ALL LOW VOLTAGE WIRE FOR THE SOUND AND VIDEO SYSTEMS SHALL BE SUPPLIED AND INSTALLED BY THE AV CONTRACTOR.
- NO WIRE SPLICES IN CONDUIT.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION DETAILS.
- ENGRAVED PANELS IN FLOOR BOXES AND ON WALL PLATES SHALL BE FURNISHED AND INSTALLED BY THE AV CONTRACTOR.

4 DIVISION OF LABOR
NO SCALE

CONDUIT SEPARATION DATA

AUDIO / VIDEO CONDUIT TYPE	POWER CONDUIT TYPE	SEPARATION DISTANCE		
		UNDER 20 AMP	ABOVE 20 AMP	ABOVE 120 AMP
PVC	PVC	4 FT	12 FT	NO
EMT	EMT	2 FT	4 FT	NO
EMT	RIGID	4 IN	1 FT	4 FT
RIGID	RIGID	1 IN	4 IN	16 IN

* AMPERAGE IN CONDUIT IS THE SUM OF ALL CURRENT CONDUCTORS IN THE PIPE.
NO DESIGNATES A CONDITION THAT SHOULD NOT BE DONE.

CONDUIT LOCATION SEPARATION DATA

POWER CONDUIT TYPE	AV EQUIPMENT LOCATION	UNDER 60 AMP	60 TO 120 AMP
EMT	CONTROL ROOM	OK	30 IN
RIGID STEEL	CONTROL ROOM	OK	OK
EMT	HOUSE MIX/PULL PATH	OK	4 FT
RIGID STEEL	HOUSE MIX/PULL PATH	OK	1 FT
EMT	PLATFORM, PIT	OK	4 FT
RIGID STEEL	PLATFORM, PIT	OK	1 FT
EMT	EQUIPMENT ROOMS	OK	30 IN
RIGID STEEL	EQUIPMENT ROOMS	OK	OK

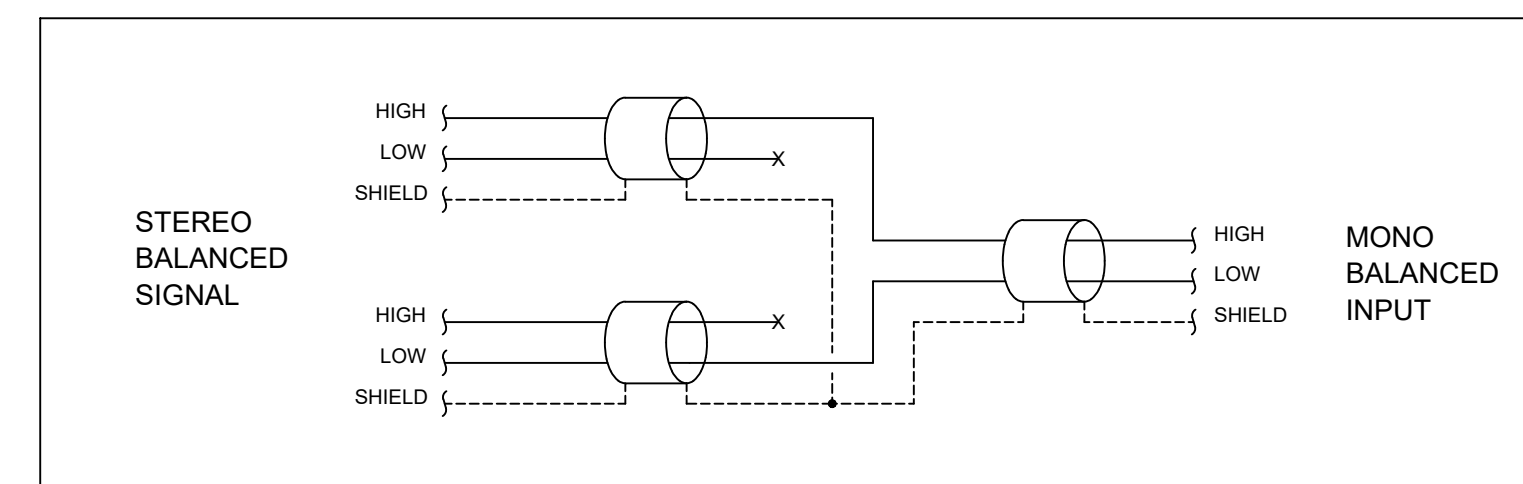
NO LARGE POWER TRANSFORMERS OR MOTORS SHOULD BE LOCATED WITHIN 50 FEET OF RECORDING OR BROADCAST STUDIOS, STAGES, WORSHIP PLATFORMS, CONTROL ROOMS, AV EQUIPMENT ROOMS, OR SOUND CONTROL POSITIONS.

POWER CONDUCTOR SIZING DATA

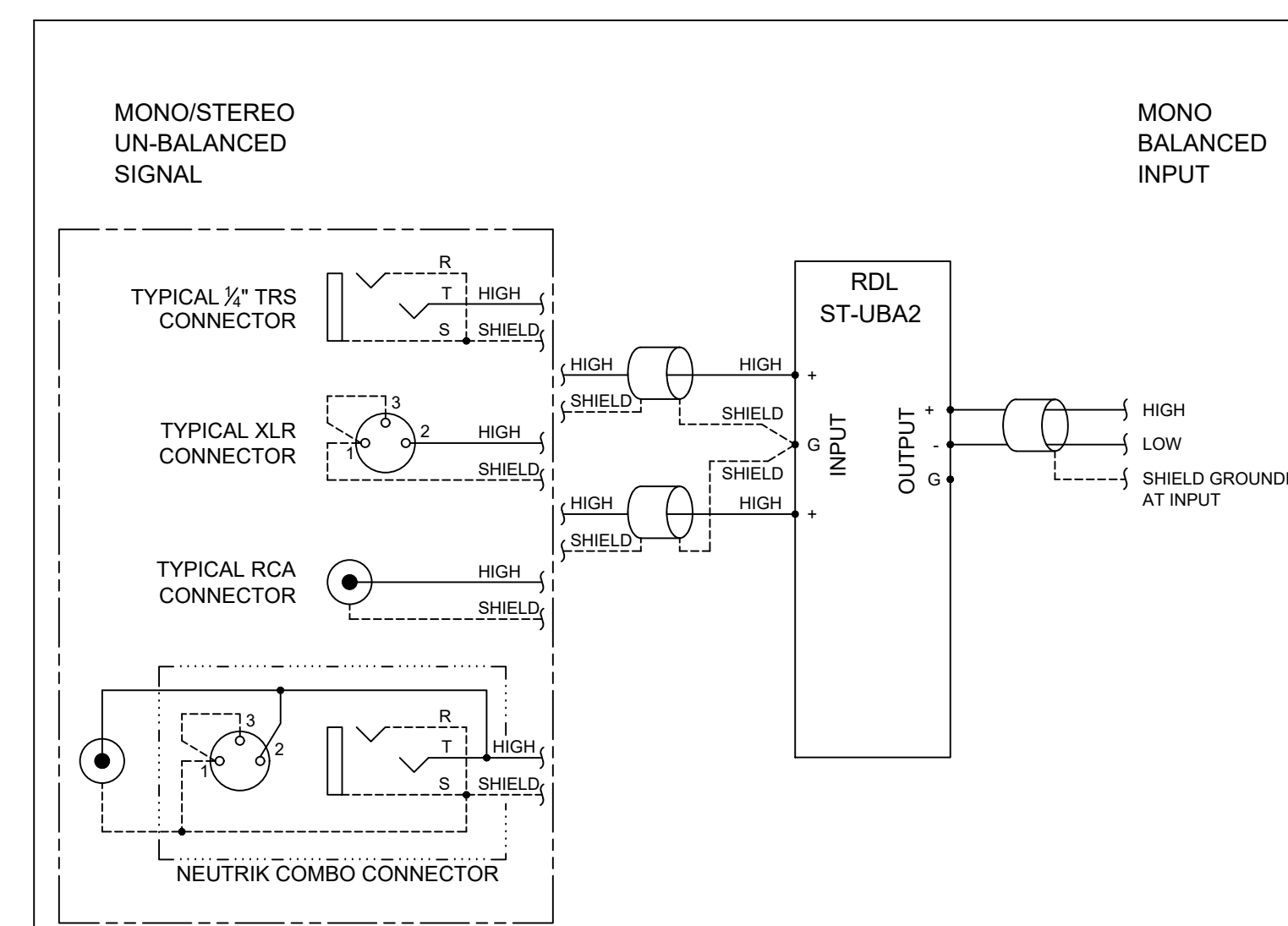
DISTANCE	CONDUCTOR SIZE
0' - 100'	#12 AWG CONDUCTORS
100' - 175'	#10 AWG CONDUCTORS
175' - 250'	#8 AWG CONDUCTORS
250' - 400'	#6 AWG CONDUCTORS

* CONDUCTOR SIZING BASED ON 1200W LOAD @ 120V AC

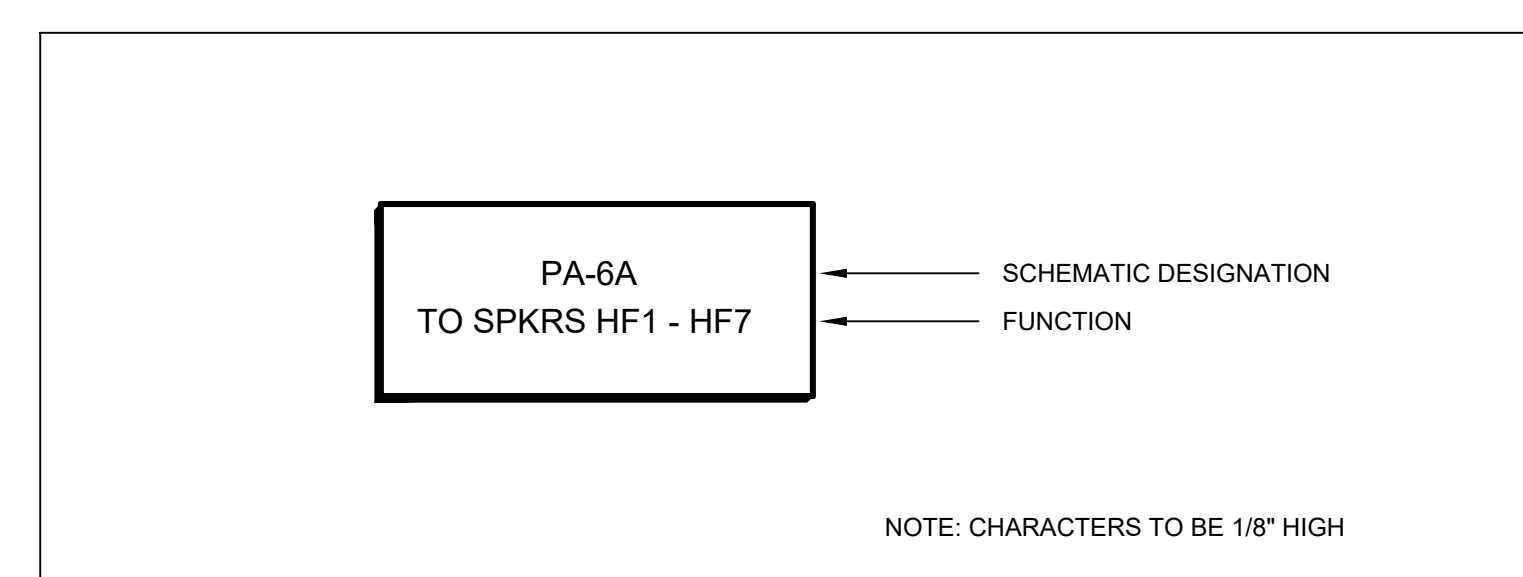
5 CONDUIT SEPARATION DETAIL / DATA.
NO SCALE



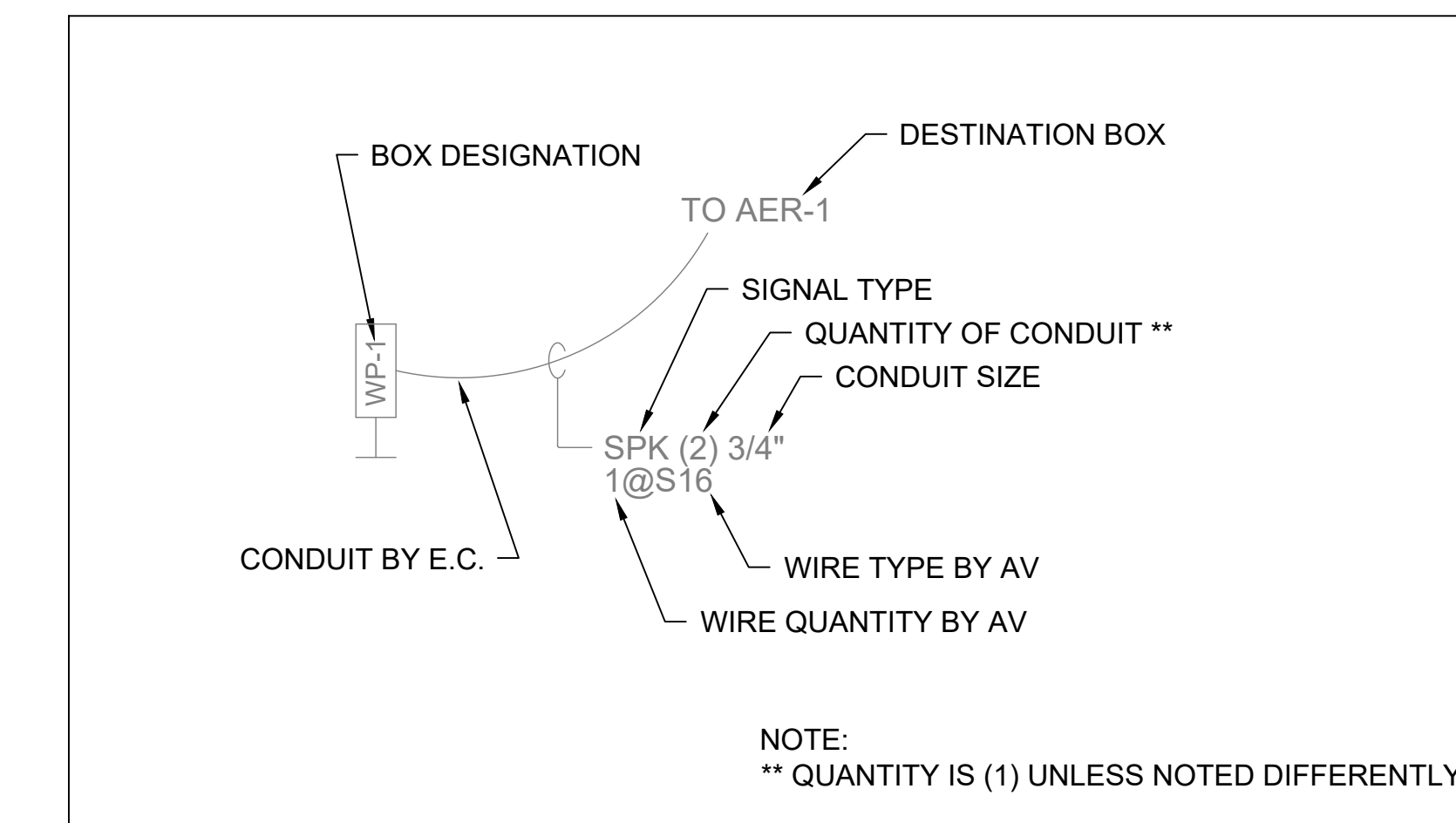
6 MONOING NETWORK DETAIL
NO SCALE



7 MONOING NETWORK DETAIL
NO SCALE



8 TYPICAL EQUIPMENT LABEL
NO SCALE

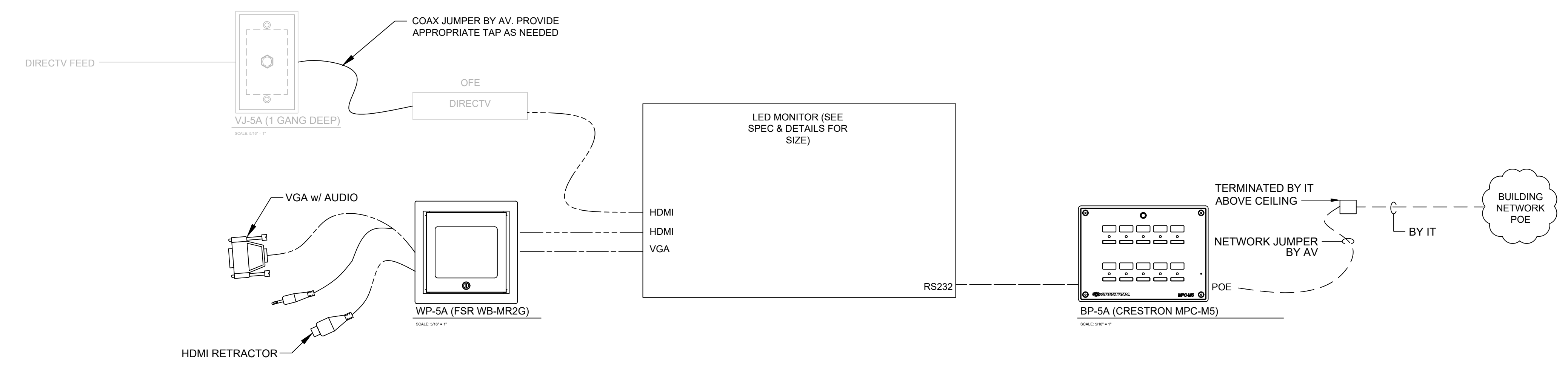


9 CONDUIT SIZE AND WIRE PULL DETAIL
NO SCALE

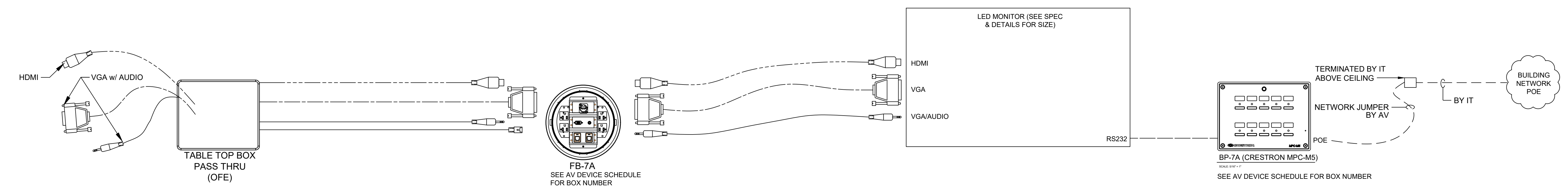
AV SHEET LIST

SHEET NUMBER	SHEET DESCRIPTION
AV100	GENERAL INFO, DIVISION OF LABOR, SHEET INDEX
AV101	AV SCHEMATICS
AV102	AV SCHEMATICS
AV200	5TH & 7TH FLOOR PLANS
AV400	DETAILS

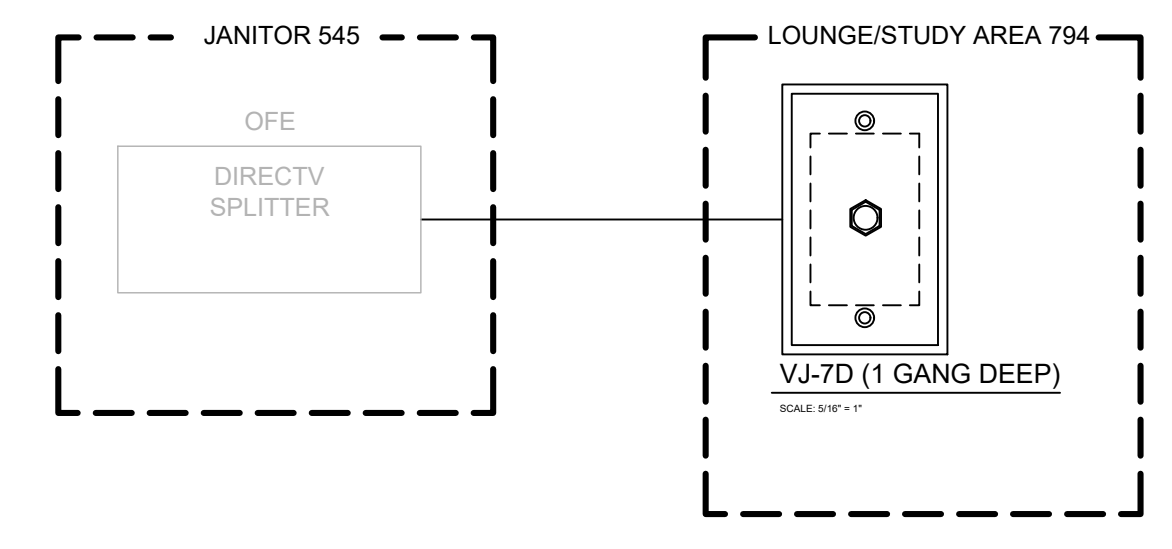
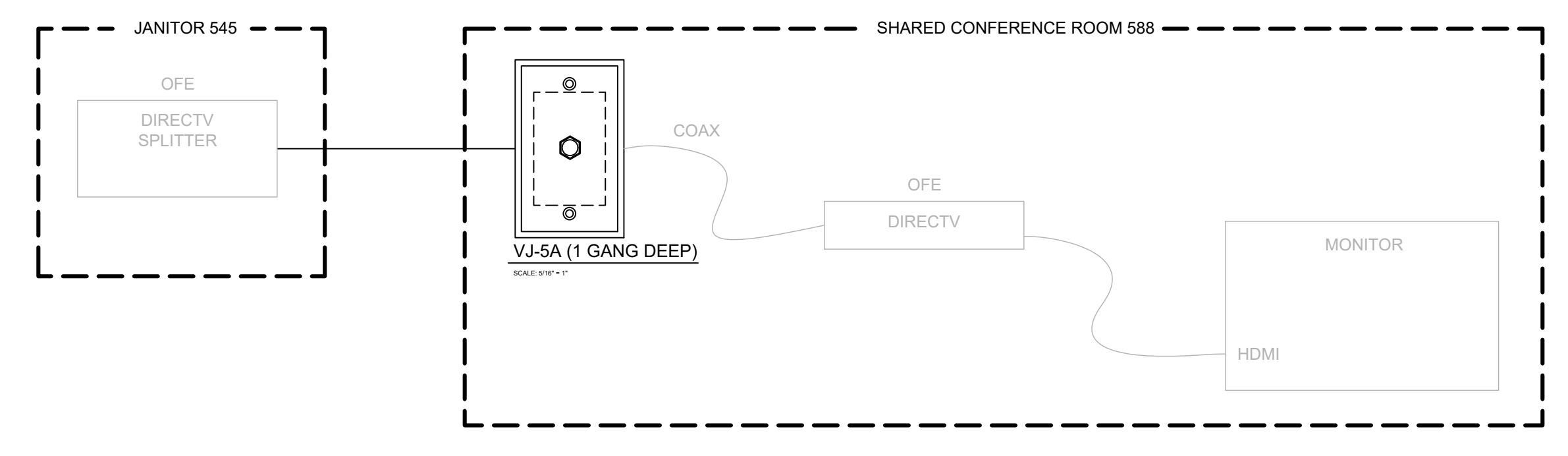
10 DRAWING INDEX



1 ROOM 588 SCHEMATIC
SCALE: NO SCALE



2 SHARED CONFERENCE ROOM 792
SCALE: NO SCALE



NOTE: DIRECTV CONTACT FAMILIAR WITH THE EXISTING DIRECTV PROVIDED INFRASTRUCTURE AT WSU STUDENT CENTER:
QUINN ANSTED
SERVICE FORCE COMMUNICATIONS
28165 HARWISH DRIVE
FARMING, MI 48334-3209
OFFICE PHONE: (248) 521-0024

3 DIRECTV DISTRIBUTION
SCALE: NO SCALE

—————	COAX WIRE
.....	MIC WIRE
-----	COMPOSITE WIRE
-----	VGA/RGB WIRE
-----	HDMI CABLE
-----	CRESNET WIRE
-----	SPEAKER WIRE
-----	RS232 WIRE
-----	CAT5e / BUILDING NETWORK
-----	CAT6 CABLES
-----	PS2 WIRE
-----	INTERCOM
-----	DIGITAL MEDIA CABLE

PROJECT LINE-TYPE KEY

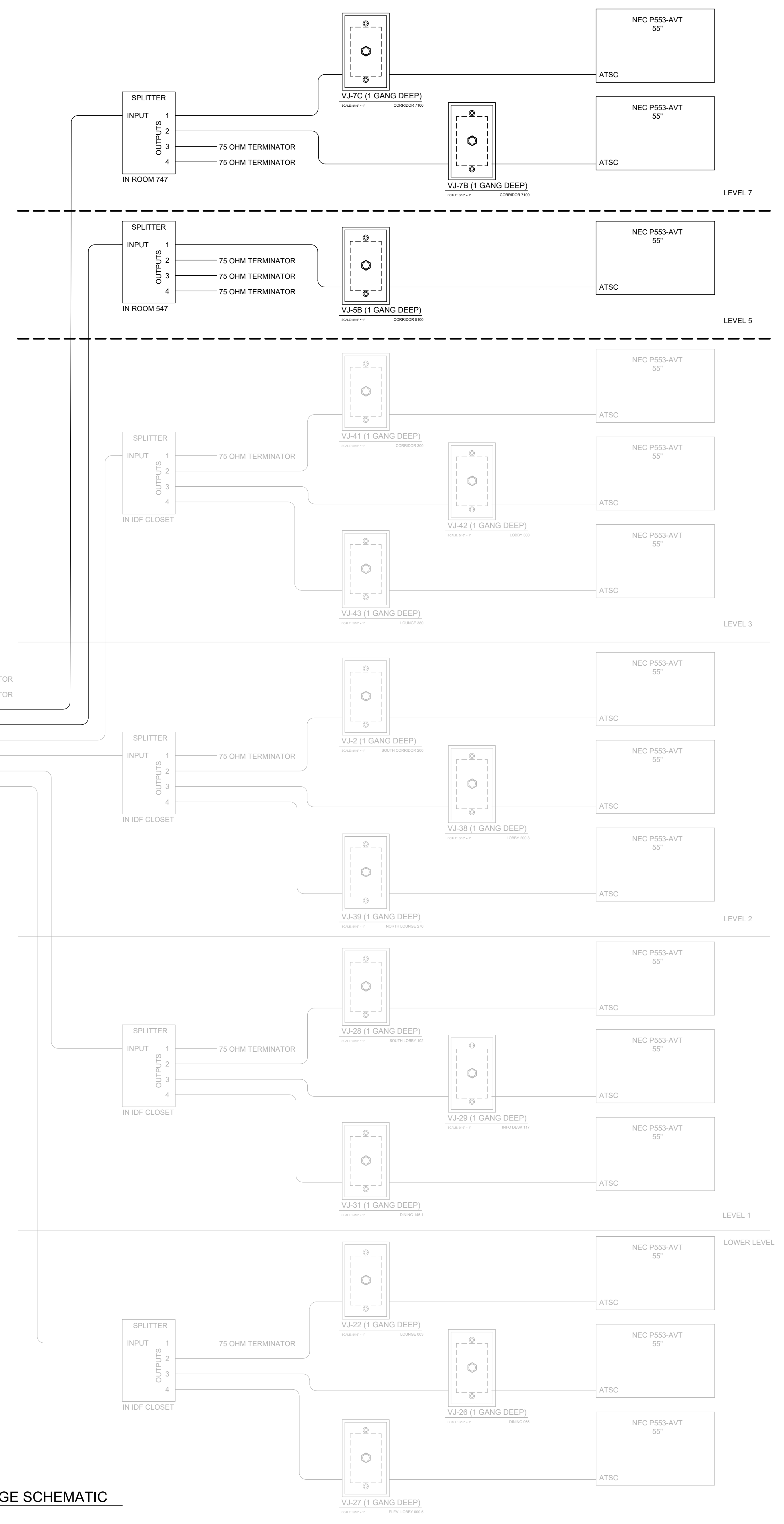
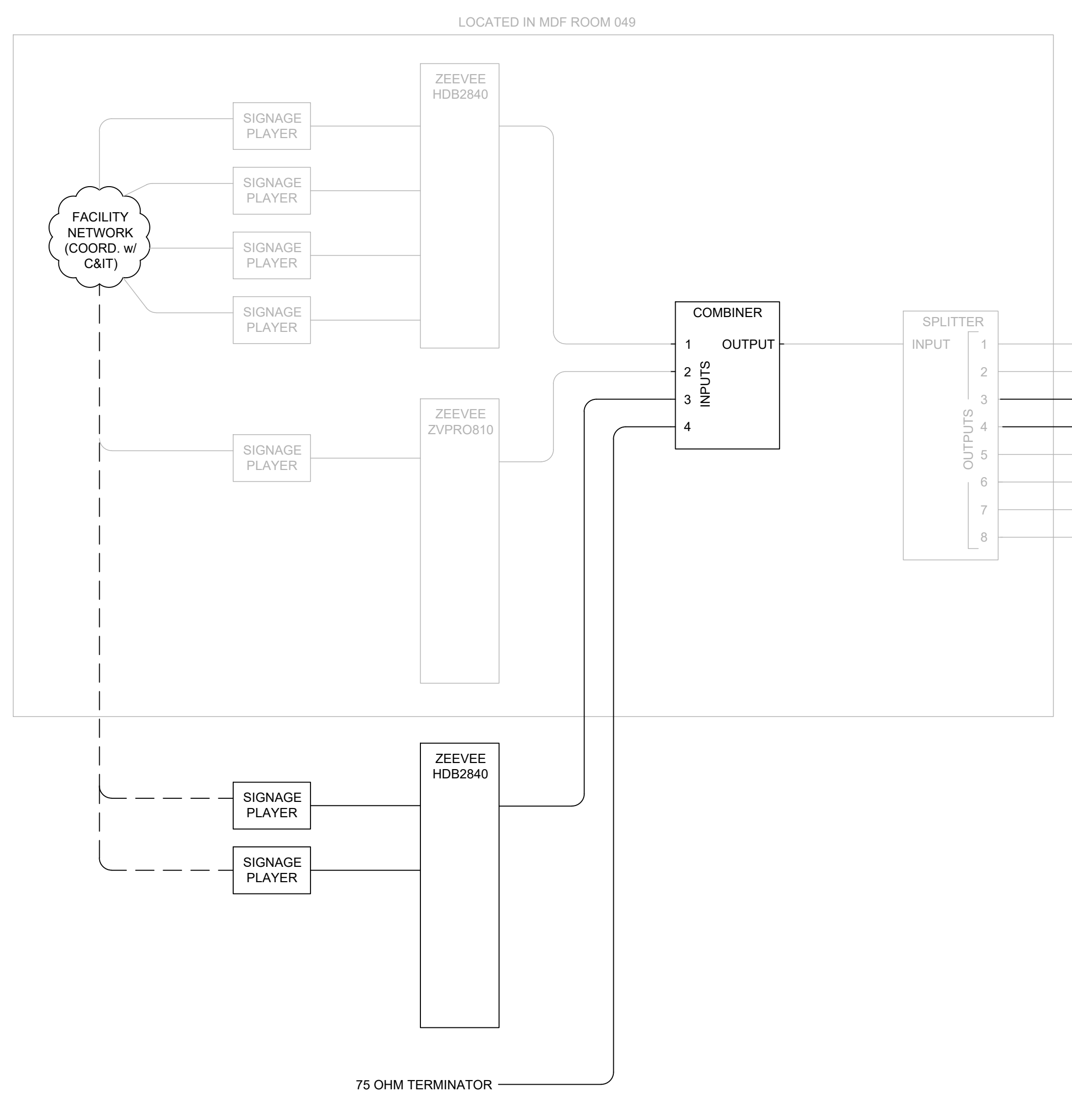
Revisions

**05/27/16 - BID PACK 2
AUDIO VISUAL**

Date: Preliminary
05/27/16 Construction
Drawn: Record
Checked: **MT** Do not scale
TGH Use figured dimensions only
Approved: **TJH**
Bidpak Number: _____

WSU Project Number
034-261806
Job Number
2015025
Title

AV SCHEMATICS

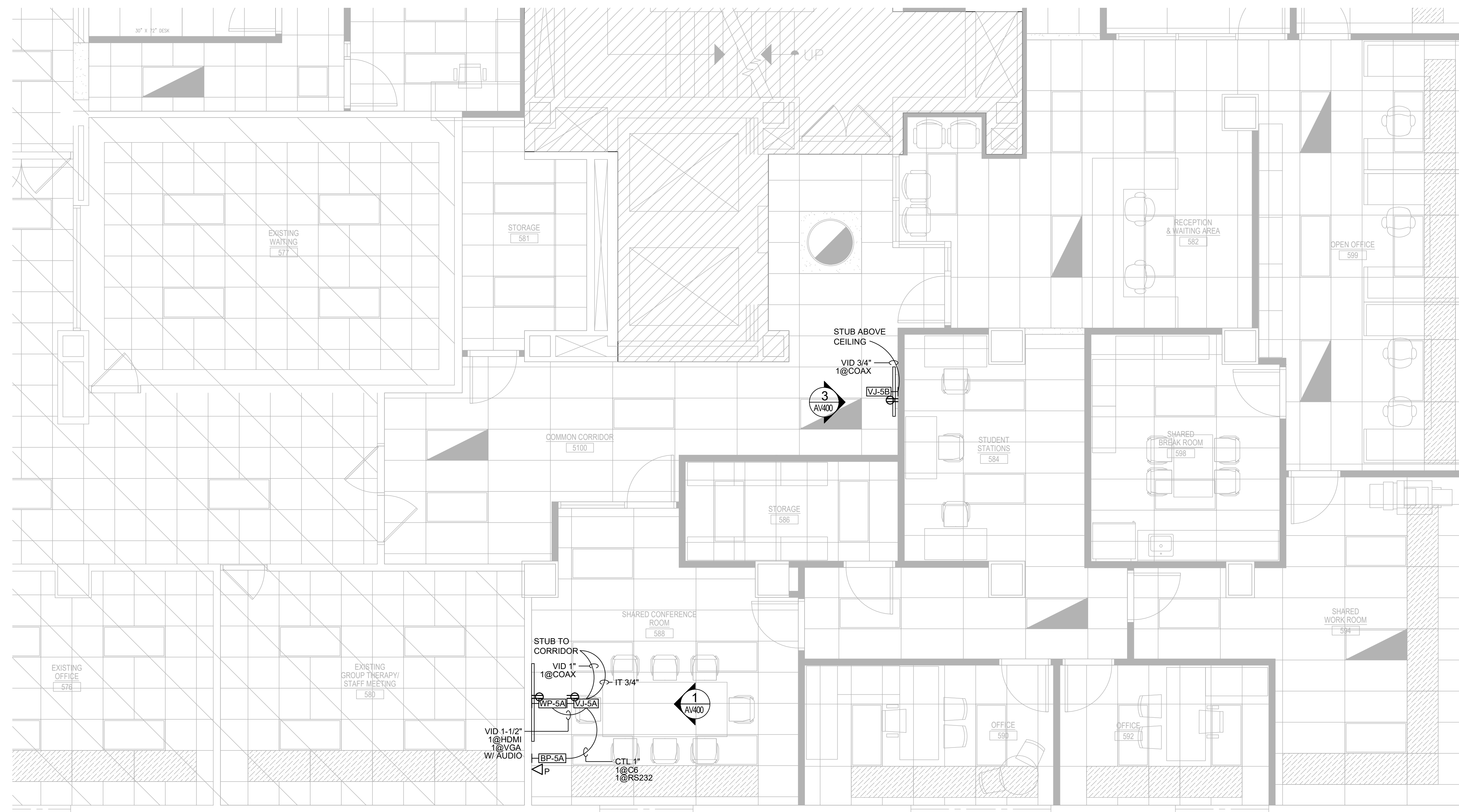


PROJECT LINE-TYPE KEY

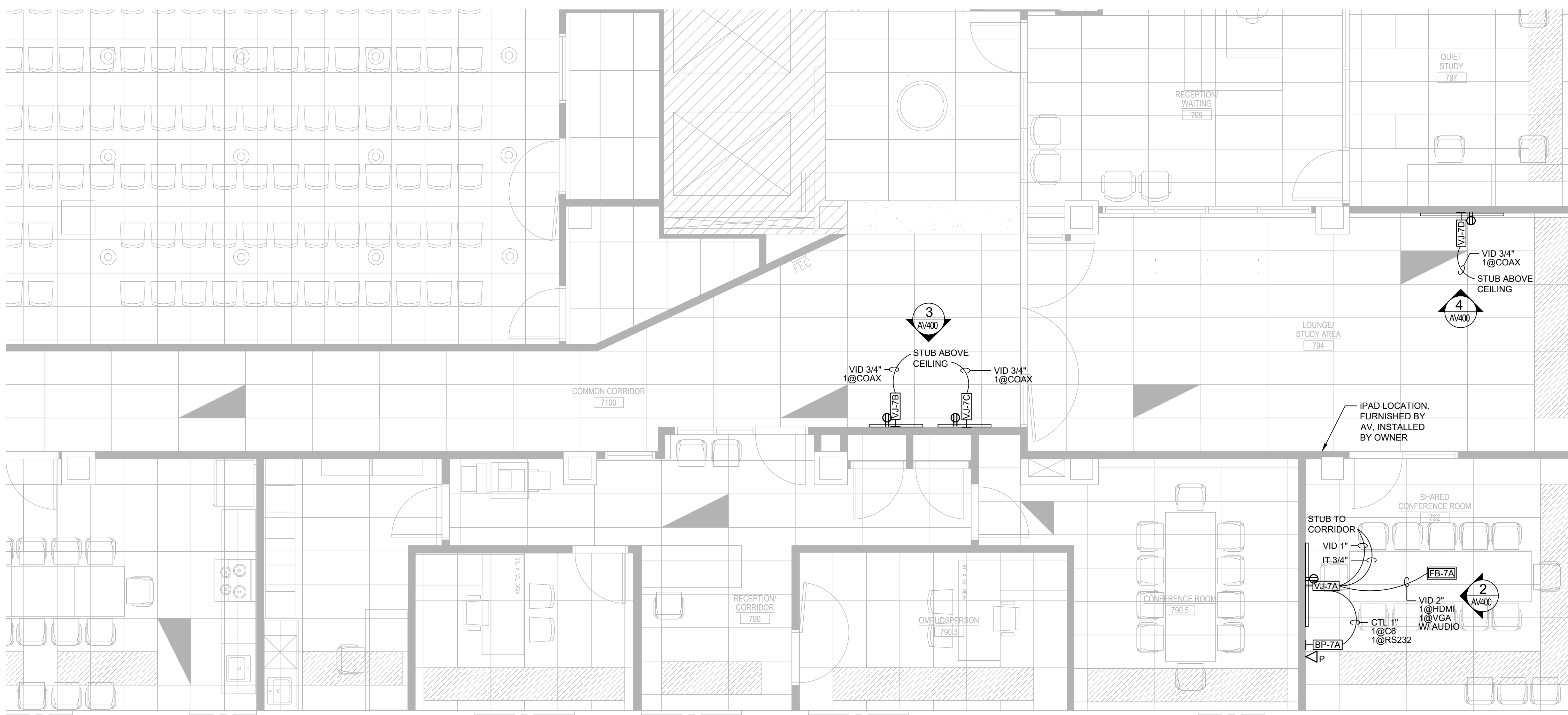
—————	COAX WIRE
.....	MIC WIRE
—————	COMPOSITE WIRE
—————	VGA/RGB WIRE
—————	HDMI CABLE
—————	CRESNET WIRE
—————	SPEAKER WIRE
—————	RS232 WIRE
—————	CAT5e / BUILDING NETWORK
—————	CAT6 CABLES
—————	PS2 WIRE
—————	INTERCOM
—————	DIGITAL MEDIA CABLE

1 DIGITAL SIGNAGE SCHEMATIC
 SCALE: NO SCALE

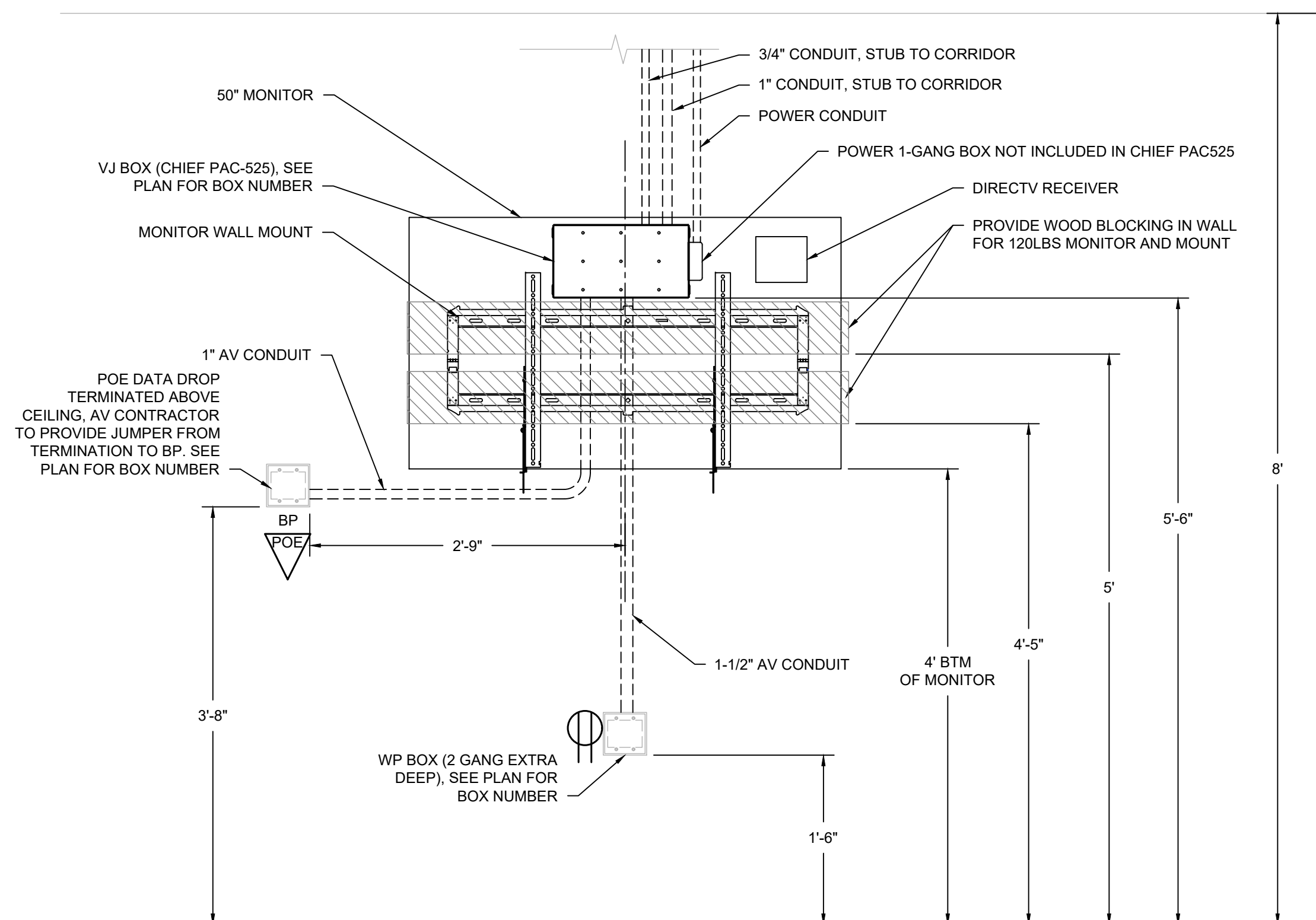
AV JUNCTION BOX SCHEDULE							
BOX #	LOCATION	SIZE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	NOTES
BP-5A	CONF RM 588	2 GANG	3'-8" AFF	FLUSH	EC	AV	
BP-7A	CONF RM 782	2 GANG	3'-8" AFF	FLUSH	EC	AV	
FB-7A	CONF RM 782	NOTE	FLOOR	FLUSH	EC	AV	SEE ELECTRICAL DRAWINGS/SPECS. COORD. W/ EC
VJ-5A	CONF RM 588	CHIEFPAC 525	5'-6" AFF	FLUSH	EC	AV	
VJ-5B	CORRIDOR 5100	CHIEFPAC 525	6'-7" AFF	FLUSH	EC	AV	
VJ-7A	CONF RM 782	CHIEFPAC 525	5'-11" AFF	FLUSH	EC	AV	
VJ-7B	CORRIDOR 7100	CHIEFPAC 525	6'-7" AFF	FLUSH	EC	AV	
VJ-7C	CORRIDOR 7100	CHIEFPAC 525	6'-7" AFF	FLUSH	EC	AV	
VJ-7D	LOUNGE 794	CHIEFPAC 525	7'-0" AFF	FLUSH	EC	AV	
WP-5A	CONF RM 588	2 GANG	18" AFF	FLUSH	EC	AV	FSR WB-MS2G



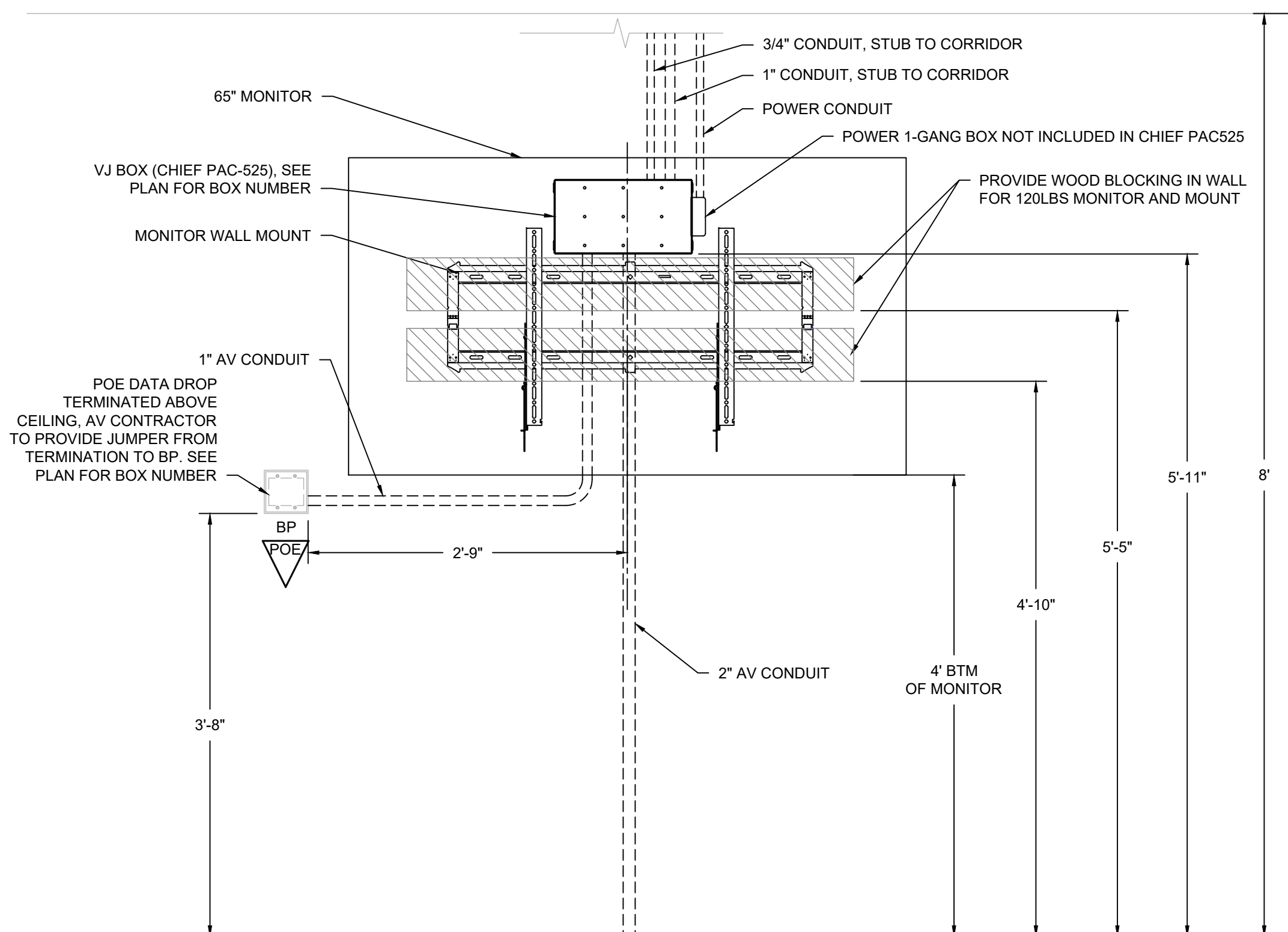
1 5TH FLOOR AV LAYOUT
SCALE: NO SCALE



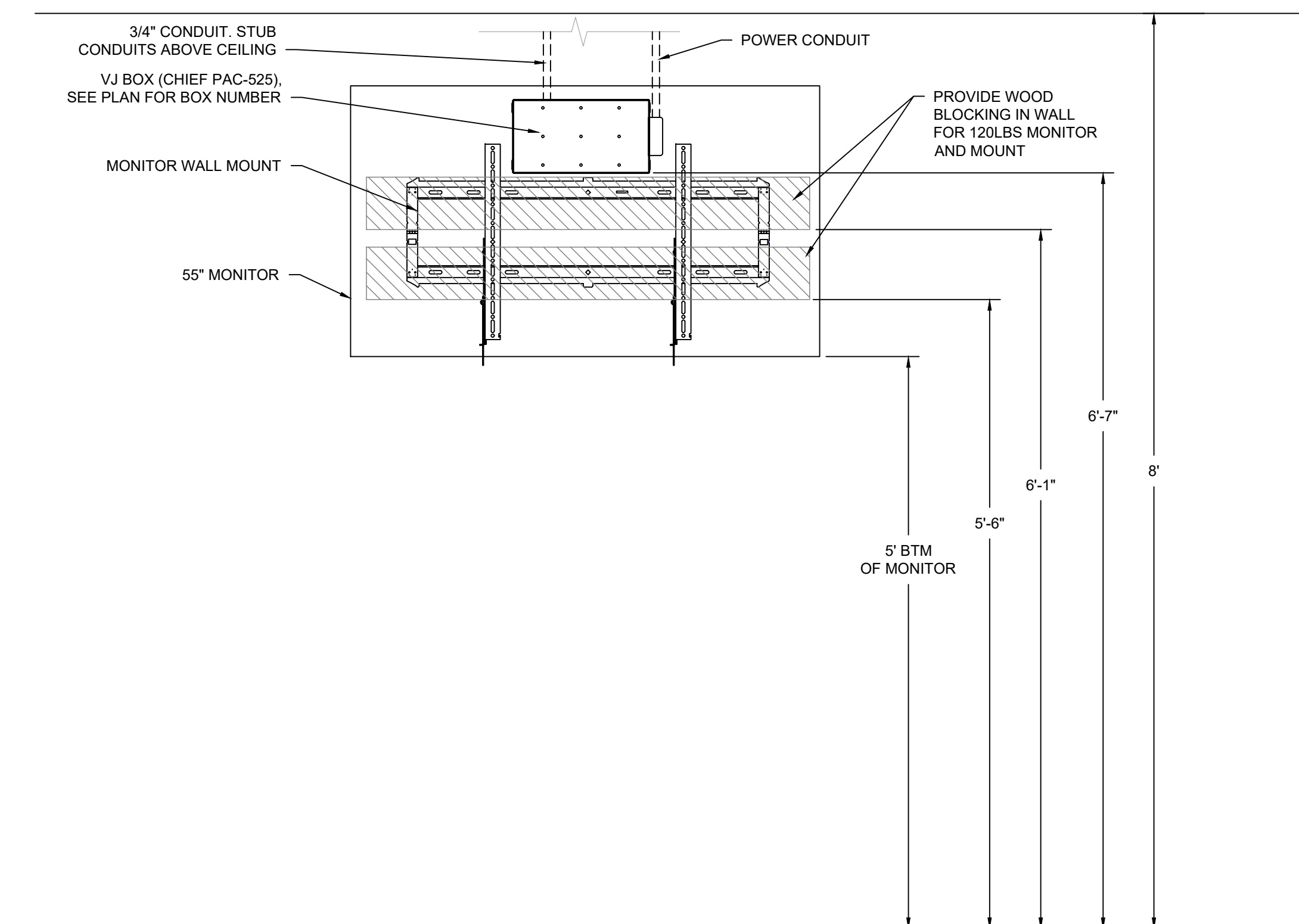
2 7TH FLOOR AV LAYOUT
SCALE: NO SCALE



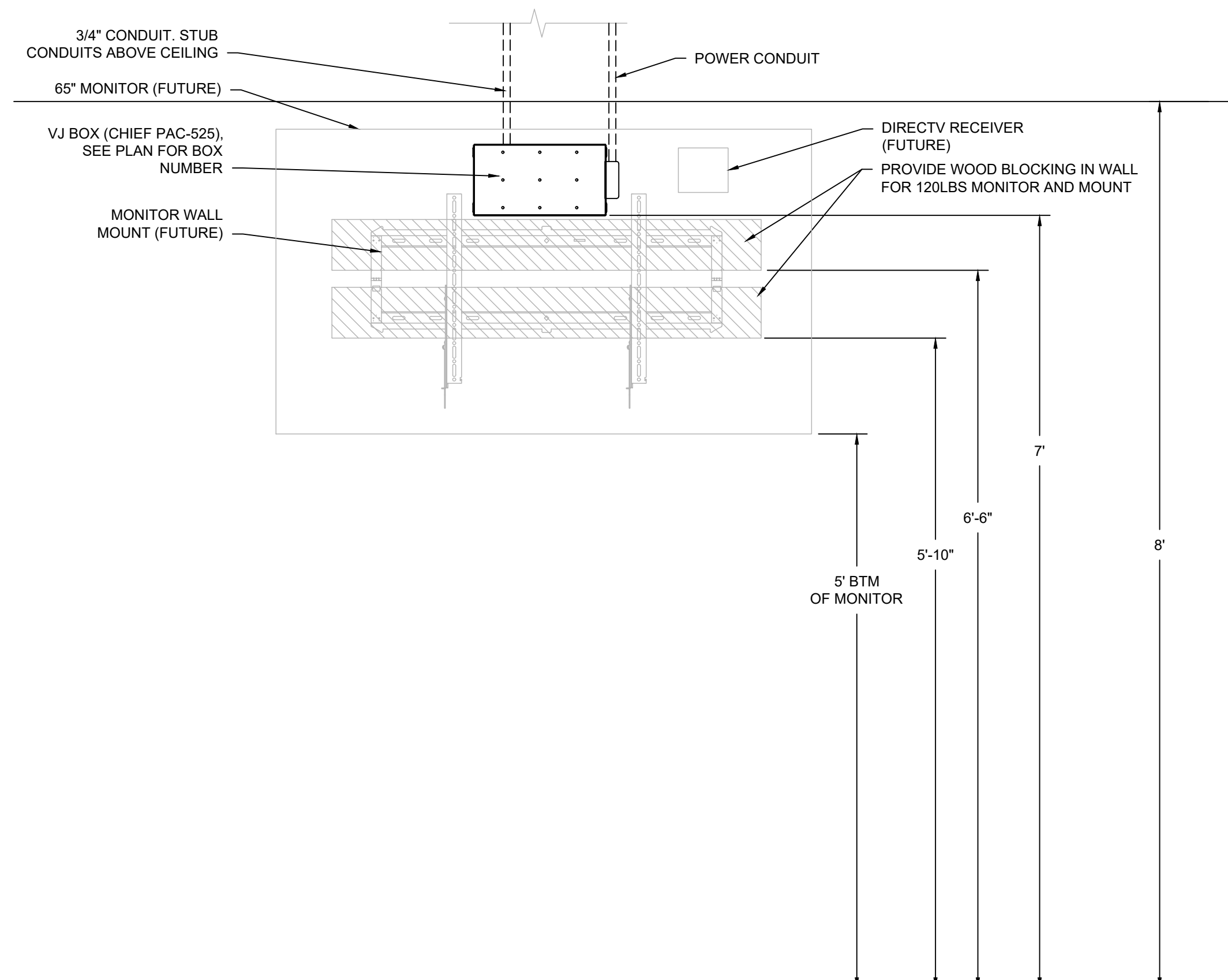
**1 SHARED CONFERENCE ROOM 588
MONITOR DETAIL**
SCALE: NO SCALE



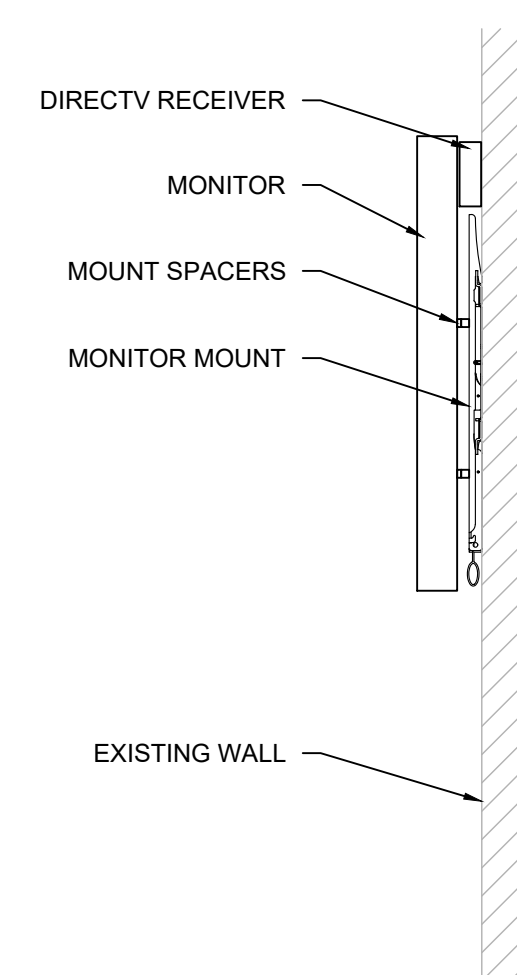
**2 SHARED CONFERENCE ROOM 782
MONITOR DETAIL**
SCALE: NO SCALE



3 55" DIGITAL SIGNAGE DETAIL
SCALE: NO SCALE



4 65" DIRECTV DETAIL
SCALE: NO SCALE



5 DIRECTV INSTALLATION DETAIL
SCALE: NO SCALE