

Z:\00000_00-Master Project Directory\16782.01-MSU Fain Fine Arts Renovation\Drawings\Construction Documents\Sheets\16782.01-24-09-COVER.dwg, 2/22/2017 8:48:15 AM

GENERAL NOTES:

- The area within Fain Fine Arts that will be affected are the existing:
 - Drawing Studio C116
 - Storage C116A
 - Film Processing C115 H
 - Servers C115I will remain as is with no work in this room.
 - Dark Rooms C115 J-N
 - TV Studio C120E
 - Electronics C102A
 - Avid A (Finishes only, walls & door to remain)
 - Sound Editing C102B
 - Control Booth C102C
 - Editing Bay C102D
 - Secretary C104 - Limited to Door Only
 - Corridor 1CORR4 - Limited to Door Only
- The renovations will be completed utilizing a General Contractor - bid with a standard Competitive Sealed Proposal for the GMP. HPA will specify to the GC that the project is to be constructed over the summer months, starting May 15, 2017 (Note: the Drawing Studio will not be available until May 19, 2017) and to be substantially completed by August 15, 2017 with all punch list items completed no later than August 21, 2017.
- The renovations will take into consideration the modifications required by the State Fire Marshall that are being completed under a separate contract, and incorporate the changes in these areas that will also be required to meet compliance for that project, such as the door into Secretary C104, and the corridor length going into Drawing Studio C116.
- In the Existing Drawing Studio area that will become a Music Practice area and instrument storage area: The Dark Rooms will be removed completely and Music Practice Rooms which will be sound treated - floors, walls and ceilings and mechanical/ electrical systems additionally the doors will be sound treated and provided with vision panels. In Studio C116 the Cabinetry will be removed from the south wall - the Owner will relocate the flat-file filing cabinets to a new location, the owner will install purchased practice room units along the south wall. The sink on the south west corner of the room will carefully be removed and scheduled for relocation and re-use in the new drawing studio next door. The Storage room C116A will have its ceiling, door, flooring and cabinetry removed, and a new lay in sound absorbing ceiling will be installed, and the room will be treated with additional sound insulating wall treatment on the interior walls and carpeting on the floor. The door be replaced with a new door, with a vision panel and weather stripping to reduce sound transition in the existing frame. In the new Instrument Storage Lounge C116, the existing ceiling will be painted, floor stripped polished and cleaned - leaving exposed concrete, the walls will be painted, and minor modifications will be done to the lighting to allow for the new practice rooms. On the south wall of 116 a new door with a vision panel will be added reducing the length of the corridor entering the new room. The Server Room C115I will remain as is, no changes will be made in this room.
- The Existing TV Studio will be cleared of all electronic sound and recording equipment by the owner prior to the GC completing demolition on the remaining elements in this room. The floor will be stripped polished and cleaned - leaving exposed concrete, the walls and painting the ceiling - no new ceiling will be installed, existing lights and lighting systems will remain. The wall between the studio and sound booth will remain be cleaned of all acoustical treatment and finishes over the drywall the walls will be textured and painted. The existing sink from the previous studio will be relocated in this area, according to original drawings when the building was built, there was plumbing along the south wall, we will investigate this and attempt to locate to re-install the sink in that location.
- The Electronics, Control Booth, Editing and Sound Editing areas will be cleared of all electronic sound and recording equipment by the owner prior to the GC completing demolition on the remaining elements in this room. In both Electronics area, Editing areas and control areas and AVID A room, the floor will be stripped polished and cleaned - leaving exposed concrete, the wall between the studio and sound booth will remain be cleaned of all acoustical treatment and finishes over the drywall the walls will be textured and painted. All acoustical treatment will be removed. The ceilings will be removed in this area and new will be installed. The lighting will be removed in this area and new LED dimmable lighting will be installed. Note: in AVID A the walls, and door are to remain, only the ceiling and finishes are to be removed and prepared for new finishes. On the south wall of the new studio C102B a door will be installed into the Secretary's office C104

SHEET INDEX

ARCHITECTURAL

NO.	SHEET NAME
A100	AREA OF WORK FLOOR PLAN
AD101	ARCHITECTURAL DEMOLITION
A101	FLOOR PLAN
A301	WALL SECTIONS, OPENINGS AND DETAILS AND REFLECTED CEILING

PLUMBING

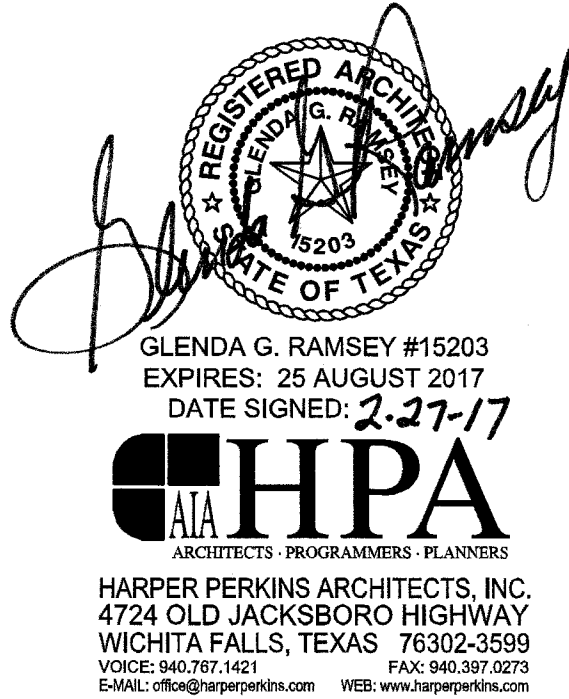
NO.	SHEET NAME
P001	PLUMBING SCHEDULES AND DETAILS
PD101	PLUMBING DEMOLITION
P201	FLOOR PLAN - PLUMBING

MECHANICAL

NO.	SHEET NAME
M001	MECHANICAL DETAILS AND SCHEDULES
MD101	MECHANICAL DEMOLITION
M201	MECHANICAL FLOOR PLAN
M901	AIR DISTRIBUTION SCHEDULE

ELECTRICAL

NO.	SHEET NAME
E001	ELECTRICAL SCHEDULES AND DETAILS
ED101	ELECTRICAL DEMOLITION
E101	FLOOR PLAN - POWER AND LIGHTING



RENOVATIONS TO FAIN FINE ARTS BUILDING
MIDWESTERN STATE
UNIVERSITY

WICHITA FALLS, TEXAS

3410 TAFT BOULEVARD



ARCHITECTS PROGRAMMERS PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
E-MAIL: office@harperperkins.com WEB: http://www.harperperkins.com

DRAWN BY: CWF			SET NUMBER	
DATE: 03 FEBRUARY 2016				
REVISIONS				
NO.	DESCRIPTION	DATE		
16782.01				
© 2017 HARPER PERKINS ARCHITECTS				

- GENERAL NOTES:
- THE PURPOSE OF THIS PROJECT IS TO ADDRESS CLASSROOMS DURING THE SUMMER MONTHS THAT CAN NOT BE DISTURBED IN THE FALL SEMESTER.
 - THIS IS A PORTION OF RENOVATIONS THAT ARE SCHEDULED FOR THIS BUILDING. ALL OTHER ADA AND CODE COMPLIANCE ISSUES WILL BE ADDRESSED IN A PROJECT ISSUED LATER THIS SUMMER OF 2017.

BUILDING CODE SUMMARY	
FACILITY NAME	RENOVATION TO EXISTING CLASSROOMS
BUILDING CODE/YEAR	IBC 2009
CODE OFFICIAL/PHONE NUMBER	N/A
OCCUPANCY	EDUCATION
BUILDING SQ. FT. AFFECTED AREAS	3,480 SQ FT.
SQ. FT. INCREASE/SECTION	N/A
BUILDING HT.	N/A
CONSTRUCTION TYPE	TYPE II-B
OCCUPANT LOAD	N/A

RENOVATIONS TO FAIN FINE ARTS BUILDING
**MIDWESTERN STATE
UNIVERSITY**

DRAWN BY: CWF		
DATE: 03 FEBRUARY 2016		
REVISIONS		
NO.	DESCRIPTION	DATE
16782.01		
© 2017 HARPER PERKINS ARCHITECTS		
A100		

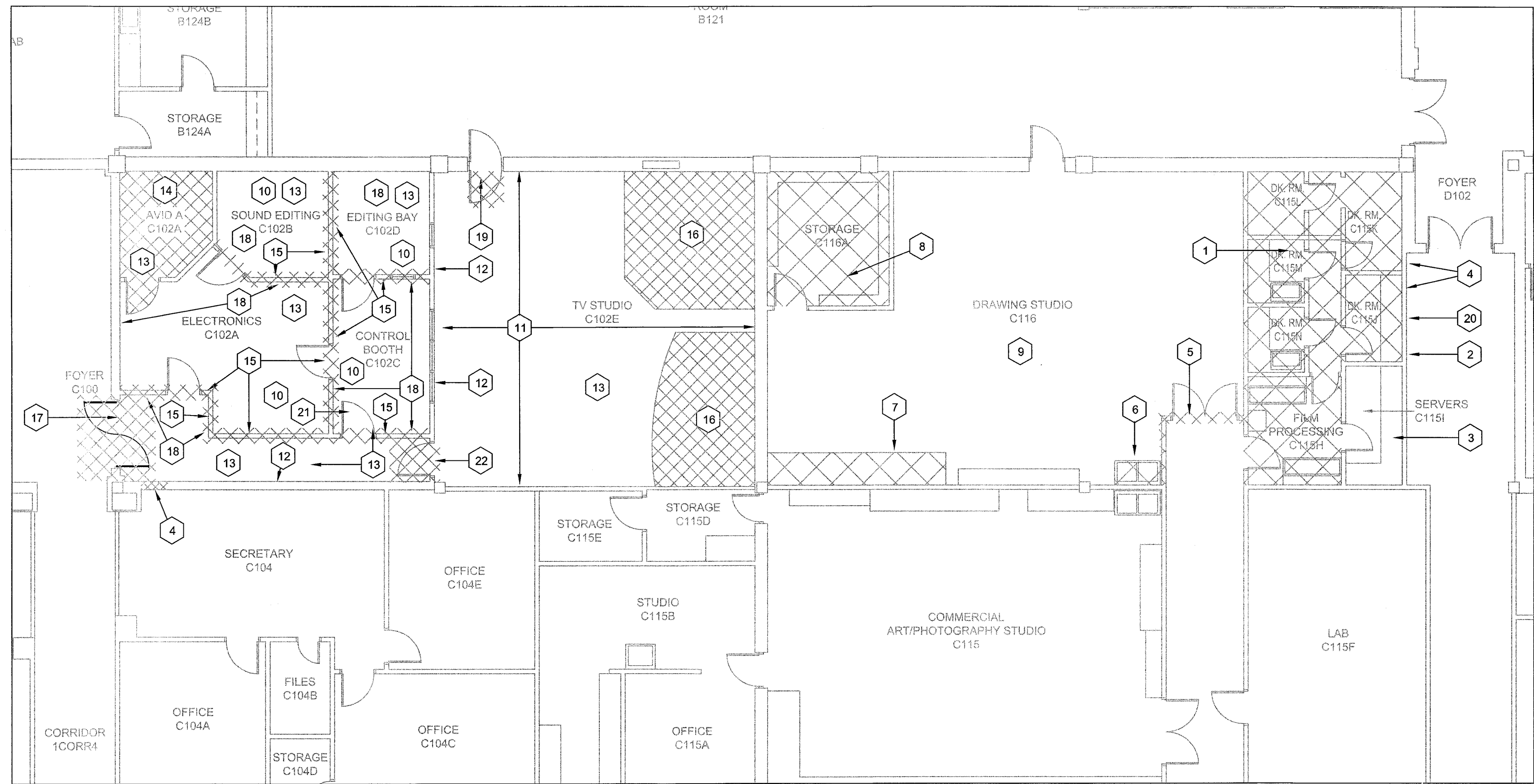
PRE CONSTRUCTION MEETING TO BE
HELD ON MARCH 21, 2017 @ 10:00 AM.
GATHER AT FOYER OF FAIN
FINE ARTS "C" BUILDING.

- GENERAL NOTES:
1. THE PURPOSE OF THIS PROJECT IS TO ADDRESS CLASSROOMS DURING THE SUMMER MONTHS THAT CAN NOT BE DISTURBED IN THE FALL SEMESTER.
 2. THIS IS A PORTION OF RENOVATIONS THAT ARE SCHEDULED FOR THIS BUILDING. ALL OTHER ADA AND CODE COMPLIANCE ISSUES WILL BE ADDRESSED IN A PROJECT ISSUED LATER THIS SUMMER OF 2017.

FLOOR PLAN - KEY PLAN

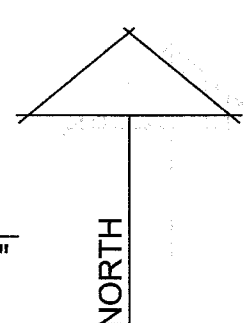
SCALE: 1/16"=1'-0"

NORTH



DEMOLITION PLAN

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



DEMO PLAN KEYNOTES

1. REMOVE COMPLETELY EXISTING DARK ROOMS AND ALL ASSOCIATED COMPONENTS. REMOVE WALLS, CEILINGS, DOORS, CABINETRY AND FLOORING. REMOVE ALL MECHANICAL AND ELECTRICAL SYSTEMS AS DESIGNATED IN MEP SHEETS. CLEAN AREA AND PREPARE FOR NEW CONSTRUCTION.
2. THIS SIDE OF CORRIDOR WALL SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
3. EXISTING SERVER ROOM TO REMAIN - PROTECT FROM DAMAGE DURING CONSTRUCTION.
4. REMOVE PORTION OF EXISTING WALL AS NEEDED TO INSTALL NEW DOOR AS SCHEDULED. REFER TO FLOOR PLAN AND OPENING DETAILS. SAVE EXISTING WALL BASE FOR RE INSTALLATION AFTER NEW DOORS ARE INSTALLED.
5. REMOVE EXISTING DOUBLE DOORS AND PORTION OF WALL BETWEEN CORRIDOR AND EXISTING DRAWING STUDIO.
6. CAREFULLY REMOVE SINK AND ASSOCIATED COMPONENTS AND PREPARE FOR RE INSTALLATION. IF ALTERNATE #1 IS ACCEPTED THE SINK SHALL BE RE INSTALLED IN NEW DRAWING STUDIO. IF ALTERNATE IS NOT ACCEPTED SINK SHALL BE DELIVERED TO OWNER. REFER TO MEP FOR DETAILS.
7. EXISTING FLAT FILE CABINETS TO BE RE LOCATED BY OWNER.
8. IN THE EXISTING STORAGE ROOM ALL FINISHES SHALL BE REMOVED. REMOVE CEILING, DOOR, CABINETRY AND SHELVING, AND FLOORING. CLEAN AND PREPARE AREA FOR NEW FINISHES.
9. STRIP AND CLEAN EXISTING CONCRETE FLOORS AND PREPARE TO BE POLISHED.
10. ALL EQUIPMENT IN THE TV STUDIO AND SOUND STUDIOS SHALL BE REMOVED BY OWNER PRIOR TO DEMOLITION. REMOVE ALL BUILT IN MILLWORK. REFER TO MEP FOR REMOVAL OF EXISTING POWER AND SOUND LINES.
11. IN THE EXISTING TV STUDIO THE CEILING AND WALLS ARE TO BE PATCHED AND PAINTED. CLEAN ALL SURFACES AND REMOVE ALL LOOSE MATERIALS FROM WALLS AND CEILINGS. EXISTING LIGHTS, CEILINGS AND WALLS ARE TO REMAIN.
12. THIS WALL AND GLASS TO REMAIN. ALL ACOUSTICAL MATERIAL ON THE WALL IS TO BE REMOVED AND THE WALL SHALL BE PREPARED FOR NEW TEXTURE AND PAINT.
13. FLOORS IN THIS AREA SHALL BE STRIPPED BARE AND CLEANED AND PREPARED FOR POLISHING.
14. THE WALLS IN AVID A ROOM SHALL REMAIN. THESE WALLS SHALL BE STRIPPED OF ACOUSTICAL MATERIAL AND FLOORING AND THE CEILING AND LIGHTS SHALL BE REMOVED. REFER TO MEP FOR DETAILS.
15. REMOVE THIS WALL AND ALL ASSOCIATED COMPONENTS. REFER TO MEP FOR DEMOLITION OF POWER, DATA, AND LIGHTING.
16. REMOVE THE EXISTING STAGE AND ALL ASSOCIATED COMPONENTS. CLEAN AND STRIP FLOOR UNDERNEATH AND PREPARE FOR POLISHING.
17. REMOVE DOORS AND ALL ASSOCIATED HARDWARE AND FRAMES AND PREPARE SPACE FOR INSTALLATION OF NEW DOUBLE DOORS AS SCHEDULED.
18. REMOVE ALL CEILING, LIGHTING AND ASSOCIATED COMPONENTS IN THESE AREAS. REFER TO MEP FOR DEMOLITION OF LIGHTING AND POWER IN THESE AREAS.
19. REMOVE EXISTING INTERIOR DOOR AND FILL AND PAINT FRAME. REMOVE THRESHOLD TO BE RE INSTALLED UNDER REMAINING DOOR WOOD SHOP SIDE OF WALL.
20. EXISTING VENDING MACHINES SHALL BE PROTECTED DURING CONSTRUCTION.
21. EXISTING DOOR TO BE REMOVED AND RE LOCATED TO EXISTING FRAME LOCATION IN ADJACENT WALL. SEE DOOR NO. 9 ON A101 FOR NEW LOCATION AND DETAILS.
22. EXISTING DOOR TO BE REMOVED AND FRAME TO BE PREPARED TO RECEIVE NEW HARDWARE.

RENOVATIONS TO FAIR FINE ARTS BUILDING

MIDWESTERN STATE UNIVERSITY

3410 TAFT BOULEVARD

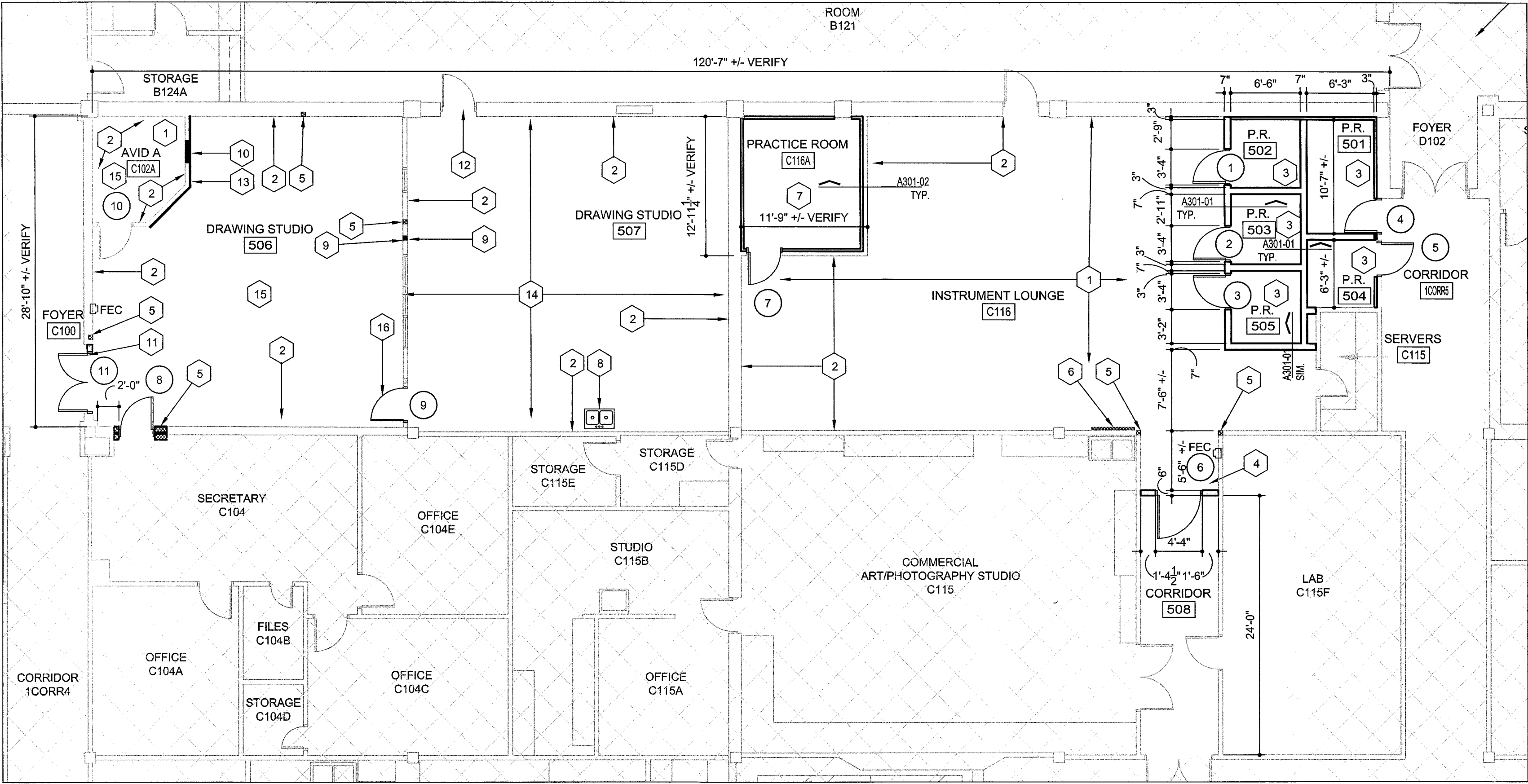
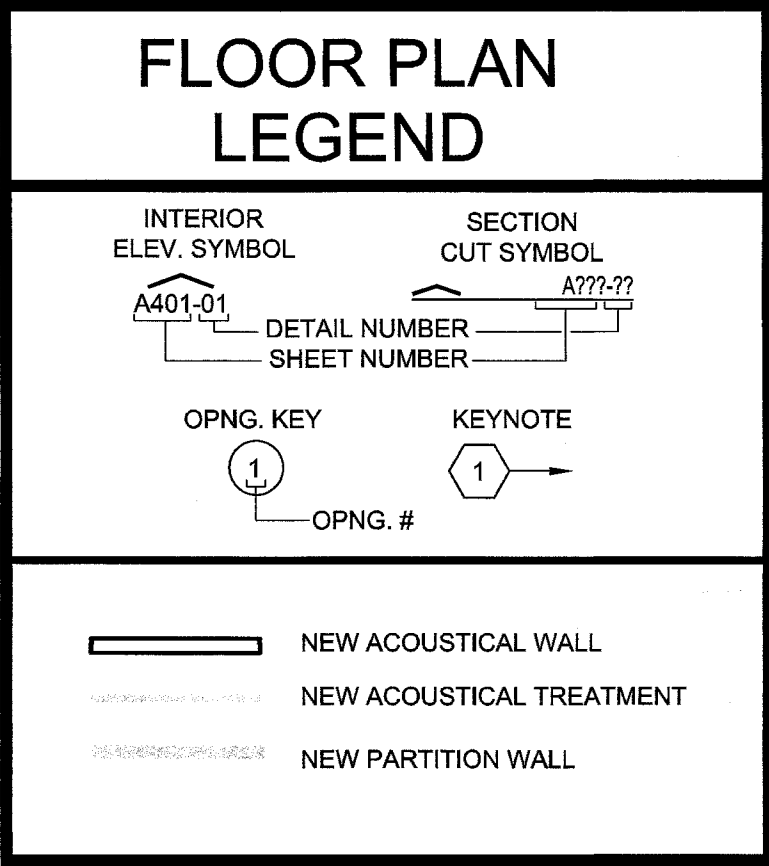
WICHITA FALLS, TEXAS

DRAWN BY: CWF		
DATE: 03 FEBRUARY 2016		
REVISIONS		
NO.	DESCRIPTION	DATE

16782.01

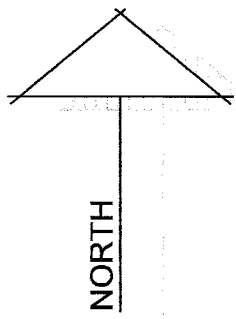
© 2017 HARPER PERKINS ARCHITECTS

AD101



FLOOR PLAN

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



FLOOR PLAN KEYNOTES

1. IN THESE AREAS THE FLOOR SHALL BE POLISHED AND SEALED - COORDINATE W/ ARCHITECT. THE WALLS IN THIS AREA SHALL BE PAINTED AS SPEC. THE CEILING AND ALL EXPOSED PIPING, STRUCTURE, INSULATION AND DECK OF FLOOR ABOVE SHALL BE PAINTED AS SPEC.
2. PROVIDE NEW TEXTURE AND PAINT ON ALL WALL SURFACES AS SPEC.
3. THE AREAS SHOWN ON PLAN SHALL BE NEW PRACTICE ROOM. PROVIDE NEW FULLY SOUNDPROOF WALLS, DOORS AND CEILINGS. INSULATION IN WALLS SHALL BE FULL COMPACTED. PROVIDE NEW LIGHTING, POWER AND MECHANICAL AS SPEC. EXISTING CONCRETE FLOORS SHALL BE POLISHED AND SEALED AS SPEC. REFER TO MEP FOR LIGHTING, MECHANICAL AND POWER DETAILS.
4. PROVIDE NEW PARTITION WALL TO ACCOMMODATE NEW DOOR. THIS DOOR IS INSTALLED TO PROVIDE A CORRIDOR OF NO LONGER THAT 25' FOR EGRESS REQUIREMENTS. THIS WALL SHALL BE 3 5/8" STUD WALL INSULATED TEXTURE AND PAINT BOTH SIDES AS SPEC. PROVIDE BOX AND CONDUIT FOR NEW KEYPAD ENTRY AS SPEC. REFER TO MEP FOR DETAILS.
5. PROVIDE WALL REPAIR/PATCH AT ALL LOCATIONS WHERE EXISTING WALL WAS DISTURBED DURING DEMOLITION. TEXTURE AND PAINT AS SPEC.
6. PROVIDE WALL REPAIR WHERE SINK WAS REMOVED AND WALL WAS LEFT OPEN. CAP AND SEAL ALL PLUMBING AS SPEC. REFER TO MEP FOR DETAILS. TEXTURE AND PAINT AS SPEC.
7. THIS ROOM SHALL BE SOUND PROOFED. THERE SHALL BE PROVIDED NEW ACOUSTICAL SOUND TREATMENT ON WALLS CEILINGS AND DOORS AS SPEC. FULLY COMPACTED INSULATION IN WALLS. FLOORS SHALL BE POLISHED AND SEALED AS SPEC.
8. ALTERNATE #1 - EXISTING SINK SHALL BE RELOCATED FROM EXISTING DRAWING STUDIO AND MOVED TO NEW DRAWING STUDIO. REFER TO MEP FOR EXISTING PLUMBING AVAILABILITY.
9. PROVIDE NEW BOX AND CONDUIT FOR OWNER PROVIDED DATA / ETHERNET - REFER MEP FOR DETAILS.
10. APPROXIMATE LOCATION OF RELOCATED ELECTRICAL PANEL - REFER TO MEP FOR DETAILS.
11. NEW DOOR TO BE INSTALLED IN LOCATION OF EXISTING OPENING. VERIFY EXISTING CONDITION AND PROVIDE NEW OPENING AS SCHEDULED.
12. EXISTING THRESHOLD TO BE MOVED AND MOUNTED UNDER DOOR THAT WILL REMAIN - THE REMAINING DOOR WILL BE ON THE WOOD SHOP SIDE OF THE WALL.
13. ADD 2 LAYERS OF 3/4" GYP BD AS NECESSARY TO PROVIDE FLUSH MOUNT DEPTH FOR NEW ELECTRICAL PANEL - REFER TO MEP FOR PANEL DETAILS.
14. ROOM 507 SHALL HAVE ALL CEILING TILES, PIPING, AND STRUCTURE ASSOCIATED WITH CEILING CLEANED AND PAINTED AS SPEC.
15. ROOM 506 AND AVID A SHALL HAVE NEW CEILING AND LIGHTING AS SPEC. REFER TO MEP FOR ELECTRICAL AND LIGHTING DETAILS.
16. THIS DOOR IS RELOCATED FROM ADJACENT WALL. PROVIDE NEW HARDWARE FOR RELOCATED DOOR AS SPEC.

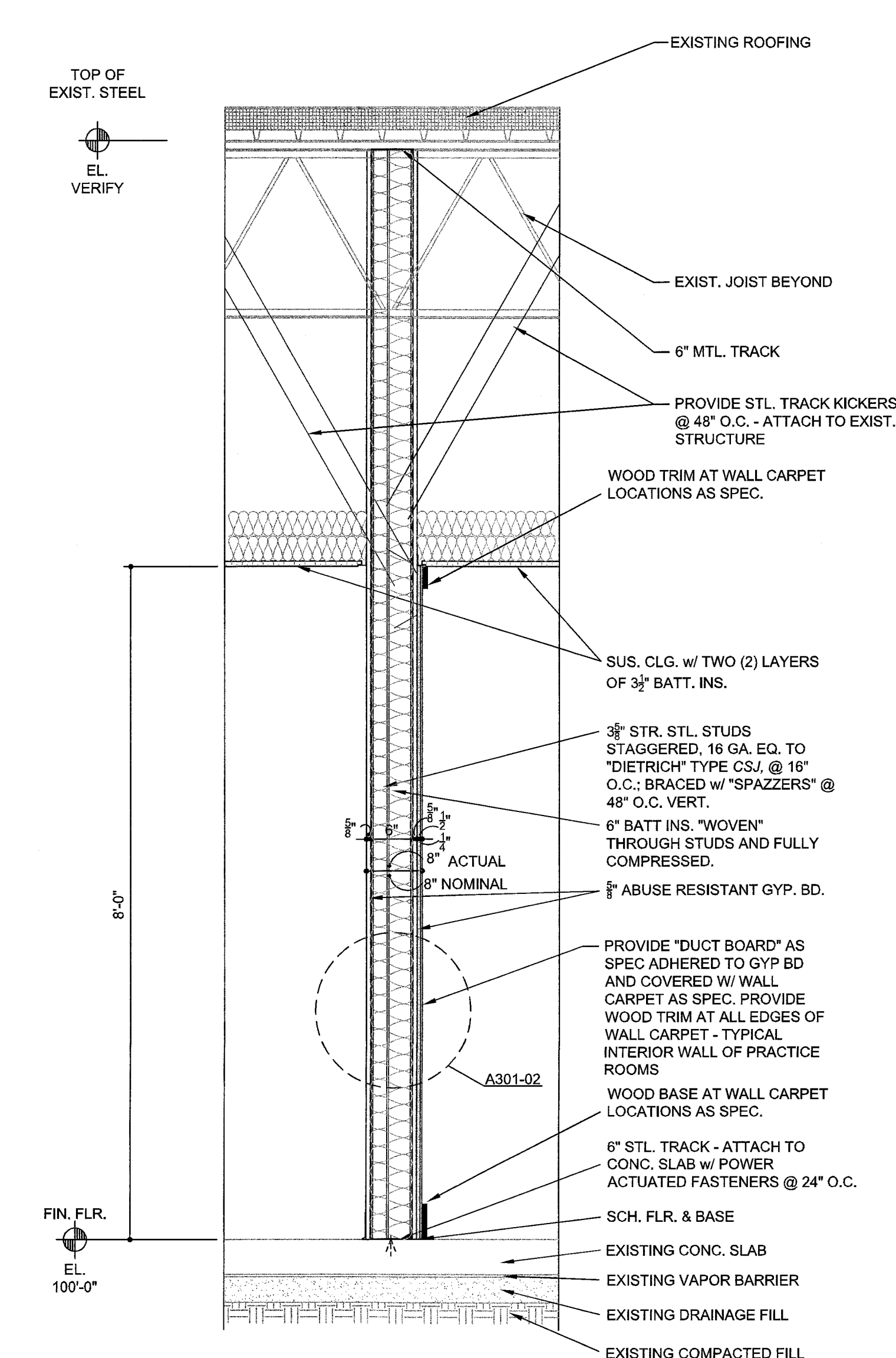
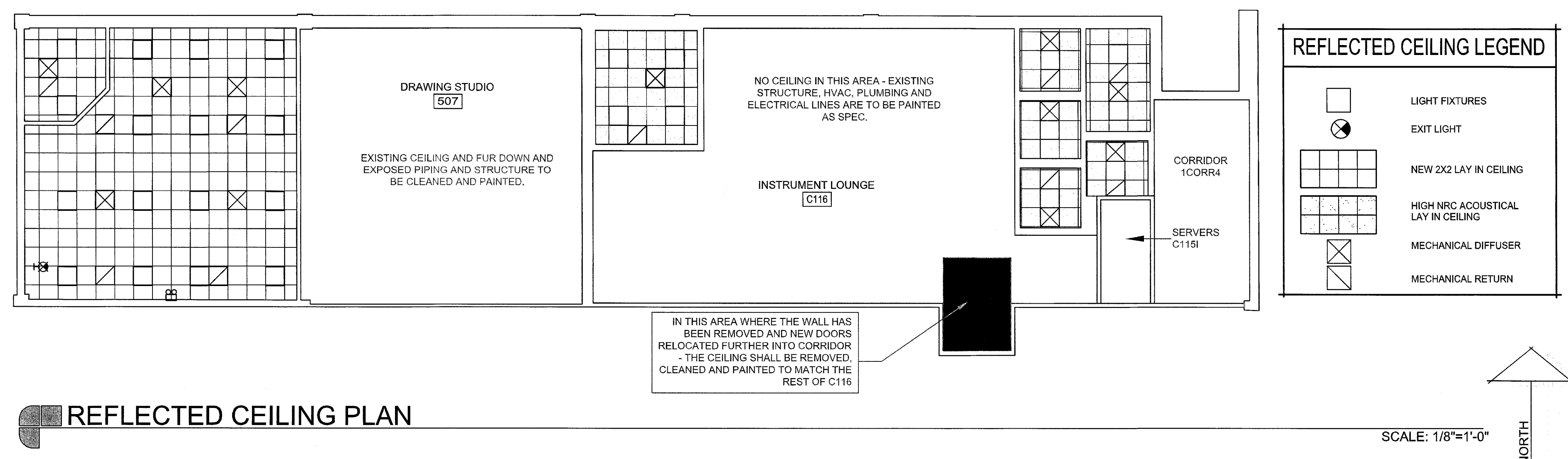
GENERAL NOTE - IN ALL SOUND PROOF ROOMS WHERE WALL CARPET WILL BE INSTALLED PROVIDE PAINT GRADE WOOD TRIM TO ALL EDGES OF WALL CARPET INCLUDING CROWN, BASE AND EDGE LOCATIONS - REFER TO FINISH SCHEDULE FOR WALL CARPET LOCATIONS - PAINT AS SPEC.

DRAWN BY: CWF		
DATE: 03 FEBRUARY 2016		
REVISIONS		
NO.	DESCRIPTION	DATE

16782.01

© 2017 HARPER PERKINS ARCHITECTS

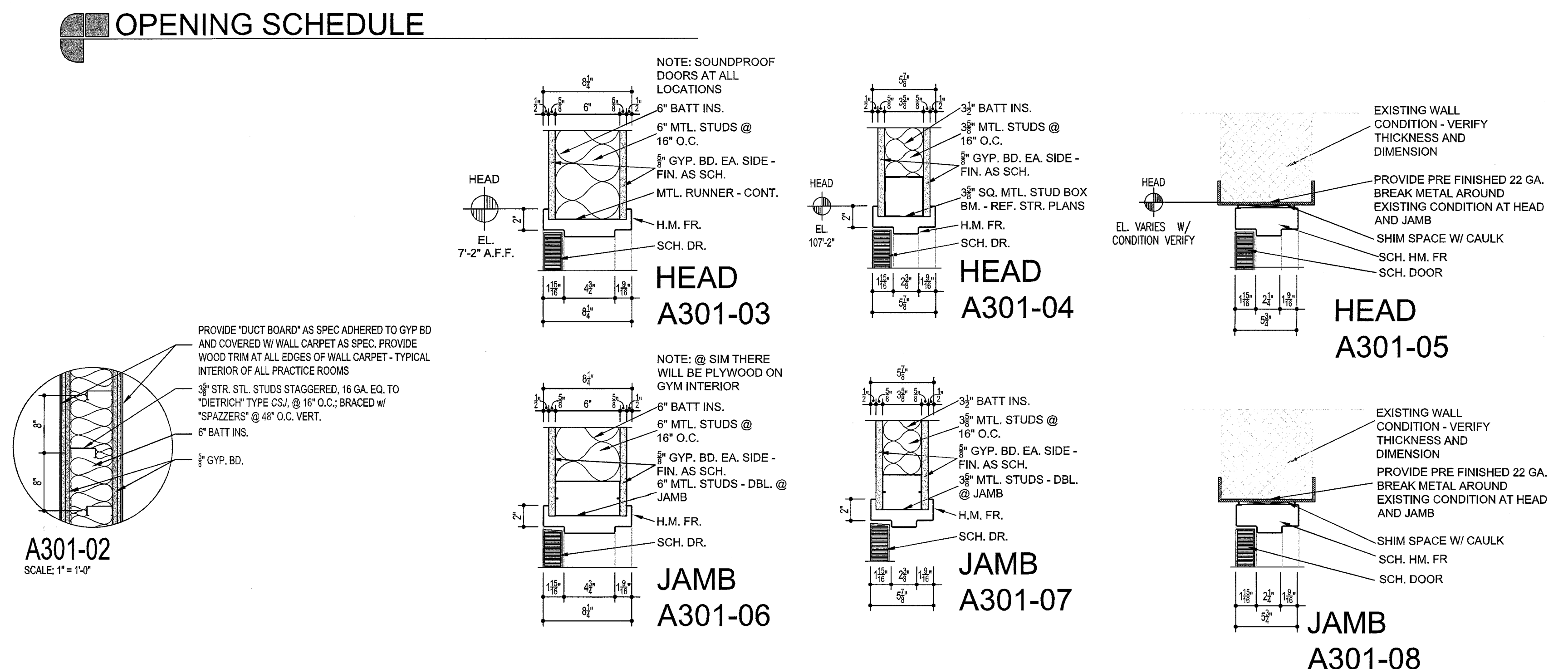
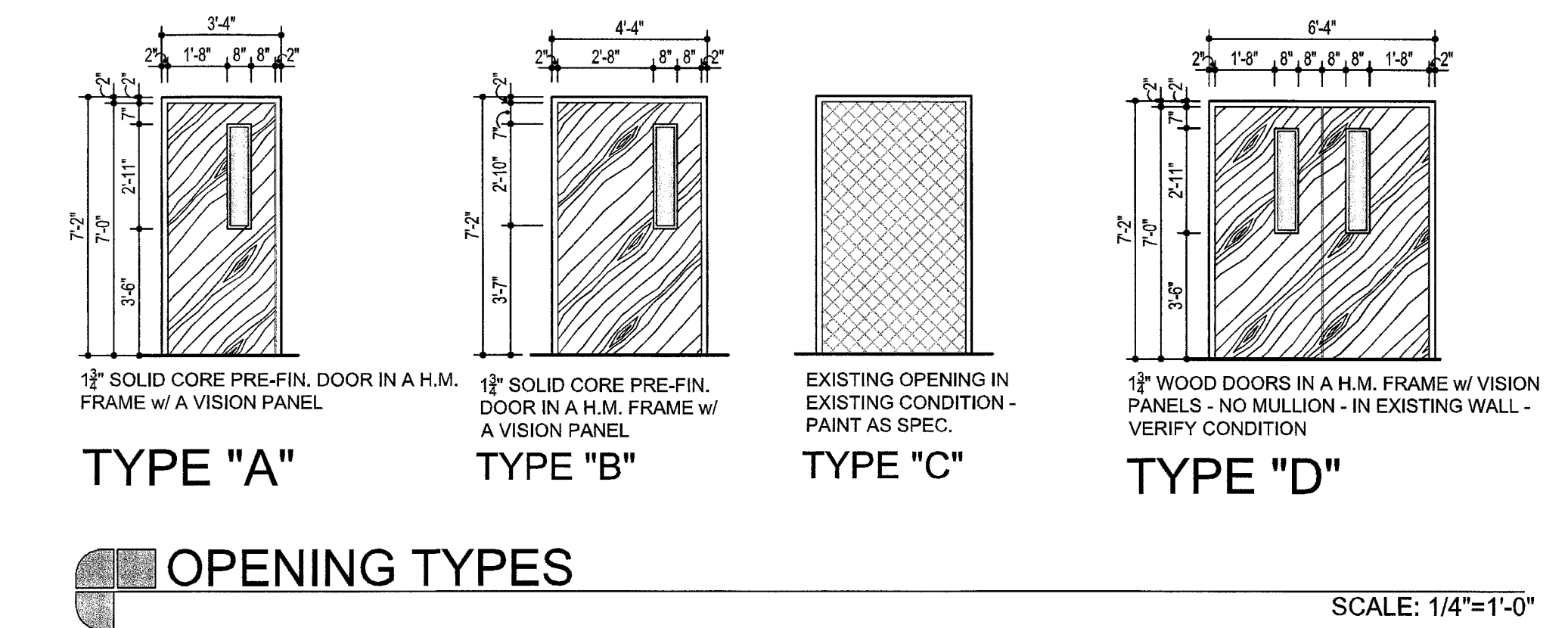
A101



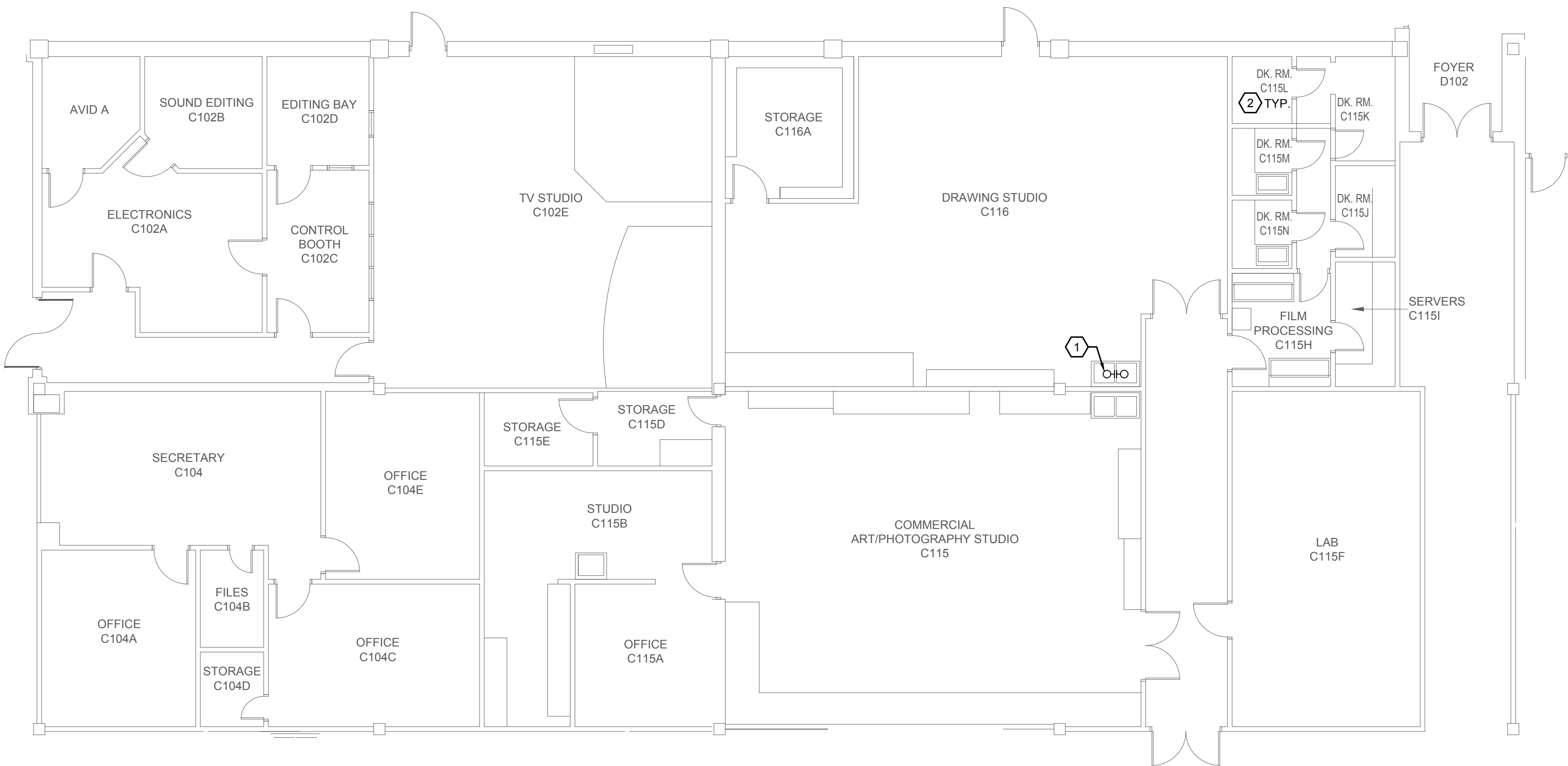
OPENING SCHEDULE							
NO.	TYPE	HEAD	JAMB HINGE	JAMB STRIKE	SILL	GL.	REMARKS
01	A	A301-03	A301-06	A301-06	---	2	R1
02	A	A301-03	A301-06	A301-06	---	2	R1
03	A	A301-03	A301-06	A301-06	---	2	R1
04	A	A301-05	A301-08	A301-08	---	2	R1
05	A	A301-05	A301-08	A301-08	---	2	R1
06	B	A301-04	A301-07	A301-07	---	1	---
07	A	A301-05	A301-08	A301-08	---	2	R1, R2
08	A	A301-05	A301-08	A301-08	---	1	R2
09	C	---	---	---	---	---	R3
10	C	---	---	---	---	---	R3
11	D	A301-05	A301-08	A301-08	---	1	R2

GLAZING TYPES	
TYPE 1 GLAZING:	1/2" CLEAR TEMPERED GLASS
TYPE 2 GLAZING:	1" CLEAR INSULATED GLASS

REMARKS	
R1:	THIS DOOR TO BE SOUNDPROOF AS SPEC.
R2:	NEW DOOR TO BE INSTALLED IN EXISTING WALL - VERIFY EXISTING CONDITION
R3:	EXISTING DOOR IN EXISTING FRAME - PAINT FRAME AS SPEC. VERIFY EXISTING CONDITION



RENOVATIONS TO FAIR FINE ARTS BUILDING
MIDWESTERN STATE
UNIVERSITY



 **1** PLUMBING DEMO PLAN
PD101 SCALE: 1/8" = 1'-0" 

GENERAL NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

- A. REFER TO SYMBOL LEGEND AND GENERAL NOTES.
- B. REFER TO SPECIFICATIONS.

KEY NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

- 1. CAP PLUMBING LINES AT CURRENT SINK LOCATION. EXISTING PLUMBING CONNECTIONS, FITTINGS, ETC. ARE TO BE REUSED AT NEW SINK LOCATION.
- 2. DISCONNECT AND CAP PLUMBING LINES AT CURRENT SINK LOCATIONS FOR DARK ROOMS.

HPA
ARCHITECTS PROGRAMMERS PLANNERS
HARPER PERKINS ARCHITECTS, INC.
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: (840) 767-1421 FAX: (840) 397-0273
E-MAIL: office@harpersperkins.com WEB: www.harpersperkins.com



RENOVATIONS TO FAIN FINE ARTS BUILDING
MIDWESTERN STATE UNIVERSITY
3410 TAFT BOULEVARD
WICHITA FALLS, TEXAS

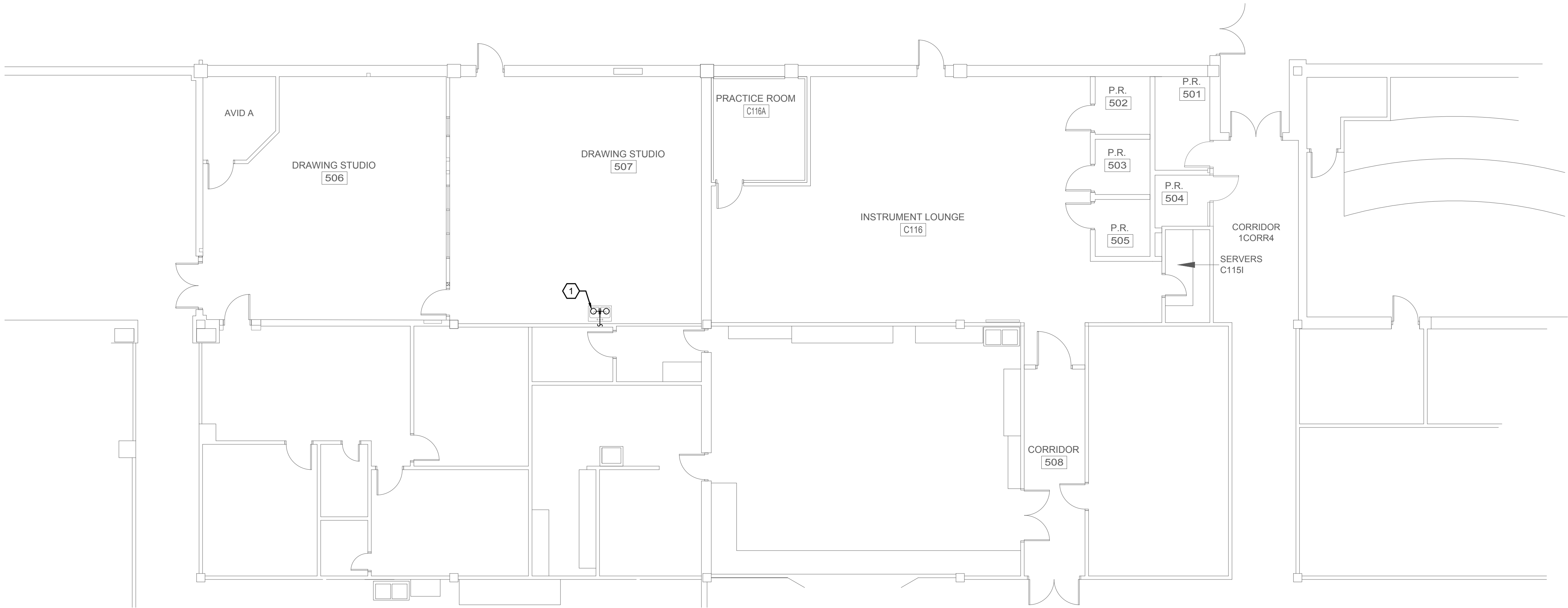
CEI CAMPOS
ENGINEERING, Inc.
Consulting Engineers
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No. F-001731
CEI Project Number D17-1212.00

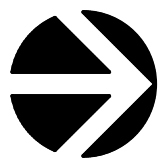
DRAWN BY:		
DATE: 3 FEBRUARY 2017		
REVISIONS		
NO.	DESCRIPTION	DATE

16782.01

© 2016 HARPER PERKINS ARCHITECTS

PD101



 **1** **PLUMBING NEW FLOOR PLAN**
P201 SCALE: 1/8" = 1'-0" 

GENERAL NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

- A. REFER TO SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO SPECIFICATIONS.

KEY NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

1. ALTERNATE NO. 1:
CONNECT PLUMBING LINES AND FITTINGS TO EXISTING PLUMBING ALONG THE SOUTH WALL AT NEW LOCATION. CONTRACTOR TO INVESTIGATE THE EXISTING PLUMBING SYSTEM AND VERIFY THE PLUMBING LINE LOCATIONS. ALL EXISTING PIPING AND FITTINGS TO BE REUSED AT NEW SINK LOCATION.



RENOVATIONS TO FAIN FINE ARTS BUILDING
MIDWESTERN STATE UNIVERSITY
3410 TAFT BOULEVARD
WICHITA FALLS, TEXAS

DRAWN BY:

DATE: 3 FEBRUARY 2017

REVISIONS

NO.	DESCRIPTION	DATE

CEI CAMPOS
ENGINEERING, Inc.
Consulting Engineers
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No. F-001731
CEI Project Number D17-1212.00

16782.01

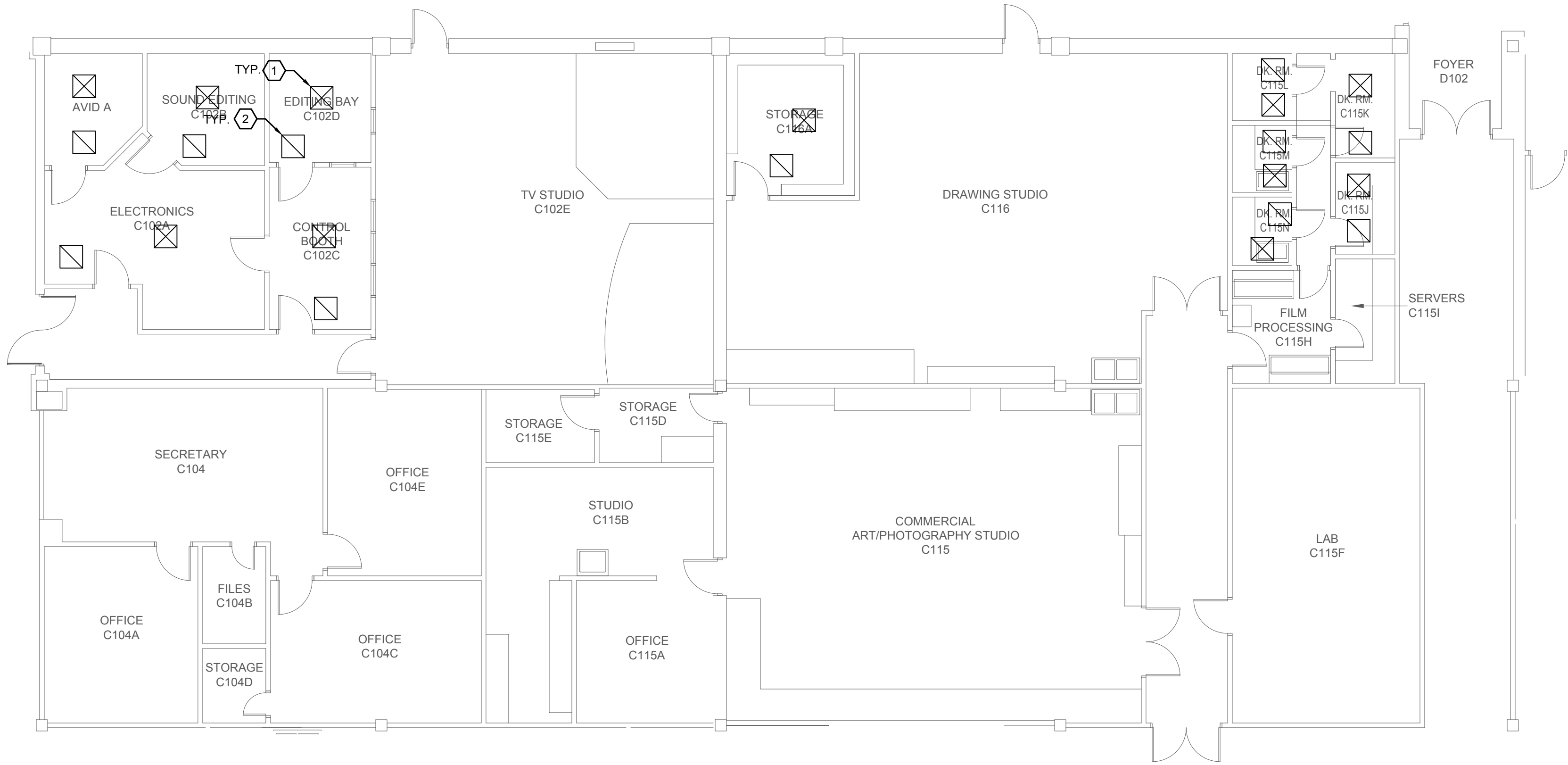
© 2016 HARPER PERKINS ARCHITECTS

P201

GENERAL NOTES
(NOT ALL NOTES APPLY TO EACH SHEET)
A. REFER TO SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO SPECIFICATIONS.

KEY NOTES
(NOT ALL NOTES APPLY TO EACH SHEET)
1. DEMOLISH ALL EXISTING SA DIFFUSERS AND ASSOCIATED FLEXIBLE DUCT. REUSE EXISTING SA RUNOUTS FOR NEW SA DIFFUSERS. CAP ALL DUCT NOT BEING REUSED.
2. DEMOLISH EXISTING RA GRILLES TO BE REPLACED WITH NEW RA GRILLES.

HPA
ARCHITECTS PROGRAMMERS PLANNERS
HARPER PERKINS ARCHITECTS, INC.
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: (840) 767-1421 FAX: (840) 397-0273
E-MAIL: office@harpersperkins.com WEB: www.harpersperkins.com



 1 MECHANICAL FIRST FLOOR - DEMO
MD101 SCALE: 1/8" = 1'-0" 

**CAMPOS ENGINEERING, Inc.**
Consulting Engineers
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No. F-001731
CEI Project Number D17-1212.00

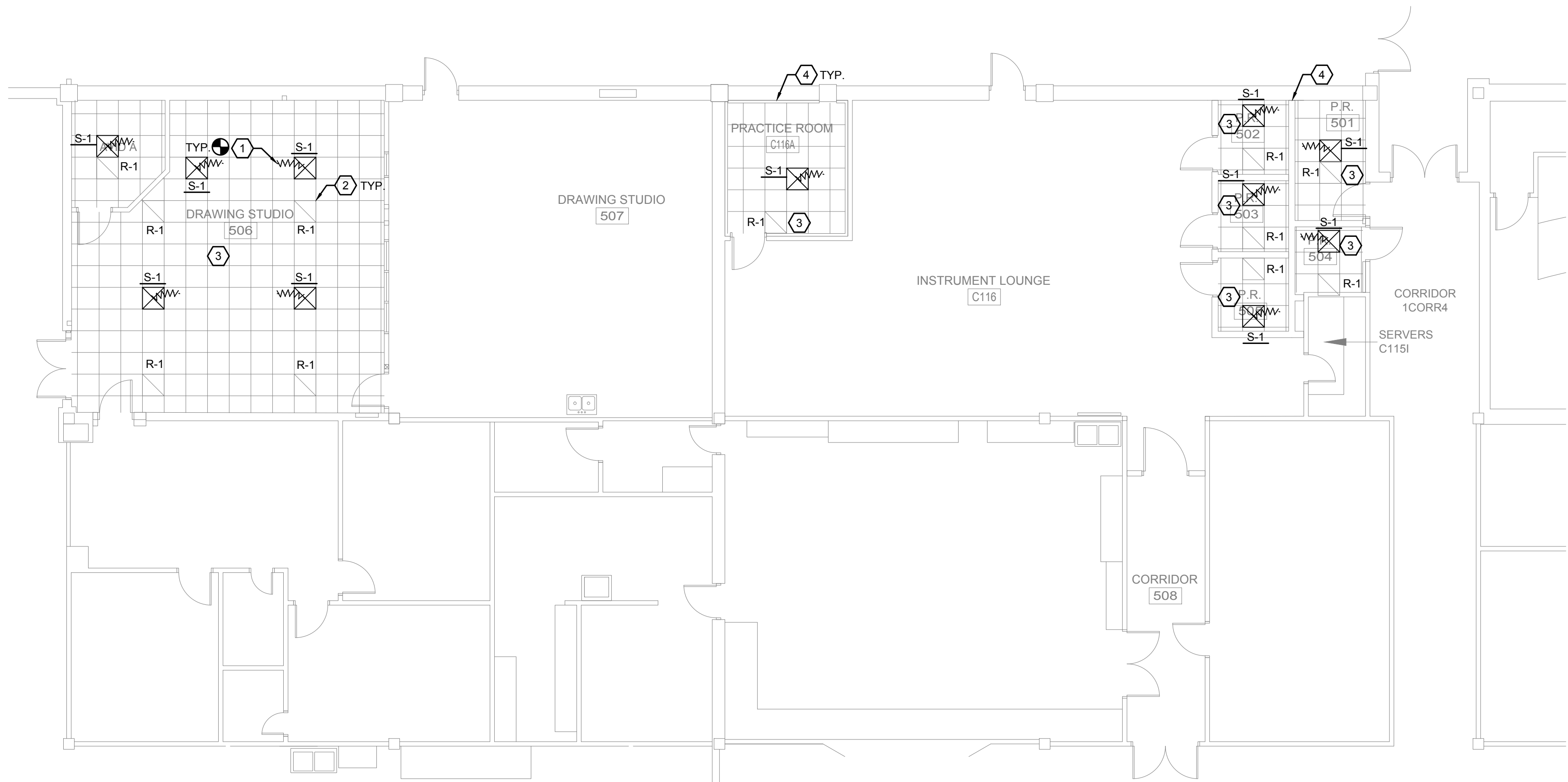
16782.01

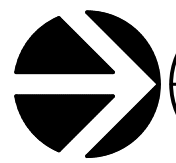
© 2016 HARPER PERKINS ARCHITECTS

MD101

RENOVATIONS TO FAIN FINE ARTS BUILDING
MIDWESTERN STATE UNIVERSITY
3410 TAFT BOULEVARD
WICHITA FALLS, TEXAS

DRAWN BY:		
DATE: 3 FEBRUARY 2017		
REVISIONS		
NO.	DESCRIPTION	DATE



 1 MECHANICAL NEW FLOOR PLAN
M201 SCALE: 1/8" = 1'-0" 

GENERAL NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

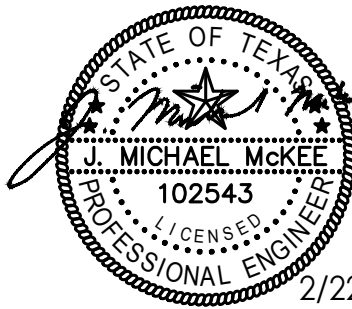
- A. REFER TO SYMBOL LEGEND AND GENERAL NOTES.
- B. REFER TO SPECIFICATIONS.
- C. SIZES SHOWN ARE AIR SIZE NOT DUCT SIZE.

KEY NOTES

(NOT ALL NOTES APPLY TO EACH SHEET)

1. CONNECT NEW FLEXIBLE DUCT TO EXISTING SA DUCTWORK. PROVIDE NEW SA DIFFUSER.
2. REPLACE EXISTING RA GRILLES WITH NEW 25RL RA GRILLES.
3. RELOCATE EXISTING THERMOSTATS TO NEW WALLS AS NEEDED TO ACCOMMODATE NEW ROOM LAYOUT.
4. ENSURE ALL PRACTICE ROOMS HAVE ACOUSTICALLY TREATED DUCTWORK.

HPA
ARCHITECTS PROGRAMMERS PLANNERS
HARPER PERKINS ARCHITECTS, INC.
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: (840) 767-1421 FAX: (840) 397-0273
E-MAIL: office@harpersperkins.com WEB: www.harpersperkins.com



RENOVATIONS TO FAIN FINE ARTS BUILDING
MIDWESTERN STATE UNIVERSITY
3410 TAFT BOULEVARD
WICHITA FALLS, TEXAS

CEI CAMPOS
ENGINEERING, Inc.
Consulting Engineers
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No. F-001731
CEI Project Number D17-1212.00

DRAWN BY:		
DATE: 3 FEBRUARY 2017		
REVISIONS		
NO.	DESCRIPTION	DATE

16782.01

© 2016 HARPER PERKINS ARCHITECTS

M201

AIR DISTRIBUTION SCHEDULE													
SYMBOL	DESCRIPTION	MODULE SIZE	MATERIAL	FINISH	NECK SIZE	DAMPER	BORDER FRAME TYPE	PATTERN	MAX. PRESS. DROP	MAX. N.C.	MANUF.	MODEL NUMBER	REMARKS
S1	SQUARE SUPPLY AIR CEILING DIFFUSER WITH THREE CONE, ONE PIECE CONSTRUCTION, NO CORNER JOINTS, REMOVABLE INNER CONES AND ROUND NECK DUCT CONNECTION. DAMPER SHALL BE OPERABLE FROM FACE OF DIFFUSER.	24 X 24	ALUMINUM	WHITE	SAME AS DUCT SIZE ON PLANS	NO	LAY-IN PANEL	SEE PLANS	0.10	30	TITUS	TMS	
R1	RETURN, INTAKE OR TRANSFER AIR GRILLE WITH 30 DEGREE FIXED DEFLECTION BLADES ON 1/2" CENTERS. BLADES ARE PARALLEL TO LONG DIMENSION. CORNERS SHALL BE WELDED. DAMPER SHALL BE OPERABLE FROM FACE OF GRILLE.	VARIES	STEEL	WHITE	SAME AS DUCT SIZE ON PLANS	NO	LAY-IN PANEL	SEE PLANS	0.10	30	TITUS	25RL	
REMARKS: 1. PROVIDE FILTER BACK STYLE TYPE GRILLE WITH 1" THICK FILTER. 2. PROVIDE RAPID MOUNT FRAME.													

1

AIR DISTRIBUTION SCHEDULE

SCALE: NONE

ELECTRICAL SYMBOLS (ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)	
GENERAL PANEL NAME - CIRCUIT NUMBER WEATHERPROOF WHILE-IN-USE COVER ABOVE COUNTER WALL	
SYMBOL	DESCRIPTION
	JUNCTION BOX
	DUPLEX RECEPTACLE. 18" AFF UNO. * INDICATES ABOVE COUNTER.
	GFI DUPLEX RECEPTACLE. 18" AFF UNO. * INDICATES ABOVE COUNTER.
	DOUBLE DUPLEX RECEPTACLE. 18" AFF UNO. * INDICATES ABOVE COUNTER.
	SPECIAL PURPOSE RECEPTACLE AS NOTED ON PLANS
	TELECOMMUNICATIONS WALL MTD OUTLET (48" AFF. * INDICATES ABOVE COUNTER.) - JUNCTION BOX WITH MINIMUM 1" CONDUIT WITH PULL STRING TO ABOVE CEILING CAVITY.
	TELECOMMUNICATIONS/DATA WALL OUTLET (18" AFF UNO. * INDICATES ABOVE COUNTER.) - JUNCTION BOX WITH MINIMUM 1" CONDUIT WITH PULL STRING TO ABOVE CEILING CAVITY.
	MOTOR
	NON-FUSED DISCONNECT SWITCH (AMPS/POLES/NEMA RATING)
	FUSED DISCONNECT SWITCH (AMPS/POLES/FUSE RATING/NEMA RATING)
	COMBINATION DISCONNECT SWITCH/MOTOR STARTER (AMPS/POLES/FUSE RATING/NEMA RATING/STARTER SIZE)
	VARIABLE FREQUENCY DRIVE
	ELECTRICAL PANEL (SURFACE OR FLUSH MOUNTED AS NOTED ON PANEL SCHEDULE AND DRAWINGS)
	MISC. CONTROL PANEL (SURFACE OR FLUSH MOUNTED AS NOTED ON DRAWINGS)
	TRANSFORMER
	PUSH BUTTON MTD AT 48" TO CENTER UNO
	STROBE LIGHT
	MOTOR RATED SWITCH
	PULL STATION

LIGHTING SYMBOL LEGEND	
(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)	
GENERAL	- CAPITAL LETTER DENOTES TYPE OF LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE - LOWER CASE LETTER DENOTES SWITCHING - NO HATCH INDICATES NORMAL POWER LIGHT FIXTURE - HALF SOLID HATCH INDICATES FIXTURE WITH EMERGENCY BACK-UP BATTERY
SYMBOL	DESCRIPTION
	2X4 LIGHT FIXTURE
	2X2 LIGHT FIXTURE
	1X4 LIGHT FIXTURE
	STRIP LIGHT FIXTURE
	DOWN LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	EMERGENCY BATTERY FIXTURE
	CLG MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION
	WALL MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION
SWITCHING SYMBOL LEGEND	
(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)	
GENERAL	- LOWER CASE LETTER DENOTES FIXTURE BEING CONTROLLED - K - KEY OPERATED SWITCH - 3 - THREE-WAY TOGGLE SWITCH - T - TIMER SWITCH - WP - WEATHERPROOF SWITCH
SYMBOL	DESCRIPTION
	LINE VOLTAGE TOGGLE SWITCH - SPST
	0-10V DIMMER SWITCH AS NOTED
	CLG MTD OCCUPANCY SENSOR
	LINE VOLTAGE WALL MTD OCCUPANCY SENSOR/SWITCH
	CLG MTD VACANCY SENSOR
	LINE VOLTAGE WALL MTD VACANCY SENSOR/SWITCH

1. EXISTING CONDITIONS AND UTILITIES INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS.
2. VISIT THE SITE PRIOR TO BID AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
3. NOTIFY THE ENGINEER WHERE EXISTING CONDITIONS ARE IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS. COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THE CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT. PROVIDE ADDITIONAL LABOR AND MATERIALS DURING CONSTRUCTION AS NECESSARY TO:
 - A. ACCOMMODATE EXISTING CONDITIONS FOR THE INSTALLATION OF NEW WORK.
 - B. REPAIR OR REWORK EXISTING SYSTEMS TO REMAIN SO THEY COMPLY WITH THE MINIMUM CODES. PROVIDE A COMPLETE, CODE COMPLIANT AND OPERABLE SYSTEMS AT NO ADDITIONAL COST TO THE OWNER.
2. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, TAKE EXTREME CARE TO PREVENT DAMAGE DURING REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, REPLACE OR REPAIR THE EQUIPMENT TO THE SATISFACTION OF THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER. THOROUGHLY CLEAN, RE-LAMP AND, IF REQUIRED, PAINT ALL ITEMS BEFORE INSTALLING AT THEIR NEW LOCATION. PATCH AND PAINT AREAS AFFECTED BY WORK UNDER THIS CONTRACT TO MATCH ADJACENT WALL OR CEILING FINISH.
3. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER WORK OR MATERIAL RENDERED OBSOLETE BY THE WORK IN THIS PROJECT SHALL BE COMPLETELY REMOVED. JUNCTION BOXES RECESSED IN WALLS NOT TO BE REUSED SHALL BE PROVIDED WITH BLANK COVERPLATES. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
4. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONNECTED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DOCUMENTS AND AS SPECIFIED.
5. ALL EQUIPMENT INDICATED TO REMAIN IN PLACE SHALL REMAIN IN NORMAL OPERATION AT ALL TIMES DURING CONSTRUCTION. IF ANY BRANCH CIRCUIT WIRING FEEDING THIS EQUIPMENT IS DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS EXISTING AT NOT COST TO OWNER.
6. UPDATE EXISTING PANELBOARD SCHEDULES TO REFLECT ALL CHANGES MADE DURING THE PROJECT.
7. REMOVE EXISTING POWER, LIGHTING, SYSTEMS MATERIALS AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.
8. REINSTALL ANY SUCH POWER, LIGHTING, SYSTEMS, MATERIALS AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
9. ALL RECEPTACLES, DEVICES, LIGHTING, SYSTEMS AND EQUIPMENT NOT SHOWN, AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO RECEPTACLES, DEVICES, LIGHTING, SYSTEMS AND EQUIPMENT.
10. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
11. WHERE INSTALLING NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS. PROVIDE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATINGS AS EXISTING CIRCUIT BREAKERS IN THE EXISTING PANELBOARD.
12. ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE SOURCE OF SUPPLY.

ELECTRICAL WORK, AT A MINIMUM, SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 99, NEC ART 517, AND LOCAL ORDINANCES.

2. THE WORK SHALL BE PERFORMED BY AN ELECTRICAL CONTRACTOR LICENSED IN THE STATE OF TEXAS.
3. ELECTRICAL LAYOUT DRAWINGS ARE PARTIALLY DIAGRAMMATIC. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STEEL OR OTHER SYSTEMS. LOCATE LIGHTING FIXTURES IN SYMMETRICAL PATTERNS AND IN PROPER ALIGNMENT WITH BUILDING FEATURES EXCEPT WHERE DIMENSIONED ON THE DRAWINGS OR LOCATED ON THE REFLECTED CEILING PLANS.
4. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO CREATE MINIMAL POWER OUTAGES FOR THE OWNER. ALL SUCH OUTAGES SHALL BE CAREFULLY COORDINATED WITH THE OWNER SO THAT POWER TO ESSENTIAL SERVICES CAN BE MAINTAINED.
5. PROVIDE ADDITIONAL SUPPORTS FOR SWITCHES, STARTERS, RACEWAYS AND OTHER ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.
6. SYMBOLS IN THE LEGEND ARE APPLICABLE GENERALLY. FOR EXACT REQUIREMENTS, REFER TO THE SCHEDULES, LAYOUTS, DETAILS AND TO THE SPECIFICATIONS. THE APPEARANCE OF A PARTICULAR SYMBOL IN THE LEGEND DOES NOT NECESSARILY IMPLY THAT THE ITEM IS INCLUDED IN THE CONTRACT.
7. MOUNT GROUPED DEVICES IN A SINGLE CONTINUOUS GANG BOX. USE PARTITIONS WHERE VOLTAGE BETWEEN EXPOSED LIVE PARTS OF ADJACENT SWITCHES MAY EXCEED 300 VOLTS.
8. SEAL CONDUITS THAT ENTER CONDITIONED AREAS FROM NON-CONDITIONED AREAS TO FORM A TIGHT SEAL.
9. ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS.
10. ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. WHEN TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
12. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE.
13. THE FLOOR, WALLS OR CEILING THAT REQUIRE TO BE MODIFIED TO INSTALL NEW DEVICES SHALL BE REPAIRED/PATCHED TO MATCH THE SURROUNDING AREA.
14. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
15. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
16. LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES.
17. THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT ALL MATERIALS WERE RECYCLED OR DISPOSED OF PROPERLY PER THE GUIDE LINE NOTED ABOVE.
18. PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. ALL THREE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A THREE POLE BREAKER OR THREE SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE.
19. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED BY PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. THIS IDENTIFICATION METHOD SHALL BE DOCUMENTED IN A MANNER THAT IS READILY AVAILABLE OR SHALL BE PERMANENTLY POSTED AT EACH BRANCH CIRCUIT PANELBOARD OR SIMILAR DISTRIBUTION EQUIPMENT (PER NEC 210).

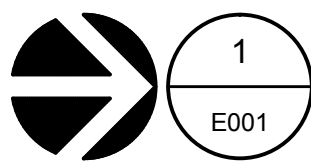
THE VOLTAGES INDICATED SHALL BE MARKED AS FOLLOWS:

480/277V WIRING	208/120V WIRING
PHASE A - BROWN	PHASE A - BLACK
PHASE B - ORANGE	PHASE B - RED
PHASE C - YELLOW	PHASE C - BLUE
NEUTRAL - GRAY	NEUTRAL - WHITE
GROUND - GREEN WITH YELLOW STRIPE	GROUND - GREEN

20. CONDUCTORS SHALL BE THHN UNLESS OTHERWISE NOTED.

TYPE	DESCRIPTION	LAMP			MOUNTING	ELECTRICAL		MANUFACTURER	CATALOG NUMBER	NOTES
		TYPE	COLOR TEMP	CRI		VOLTS	VA			
A1	2X2 LENSED LED TROFFER	LED	5000K	90	RECESSED GRID	UNV	76	HEW	50G-S22-L62-850-F-AF12125-DIM-UNV	
B1	4' LED STRIP LIGHT	LED	5000K	90	SUSPENDED	UNV	52	HEW	80-4-L63/850-DIM-UNV	
X1	STANDARD LED EXIT SIGN	LED	N/A	N/A	SURFACE	UNV	10	HEW	EXIT-R-EM-WHT-SDT	1,2
E1	INTERIOR EMERGENCY WALL PACK	LED	N/A	N/A	SURFACE	UNV	10	HEW	EMERLED-WHT-SDT	
NOTES: 1. VERIFY MOUNTING, NUMBER OF FACES AND ARROW CONFIGURATION WITH PLANS PRIOR TO ORDERING FIXTURES. 2. VERIFY MOUNTING HEIGHT AND ORIENTATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.										

RENOVATIONS TO FAIN FINE ARTS BUILDING



SCALE: NTS

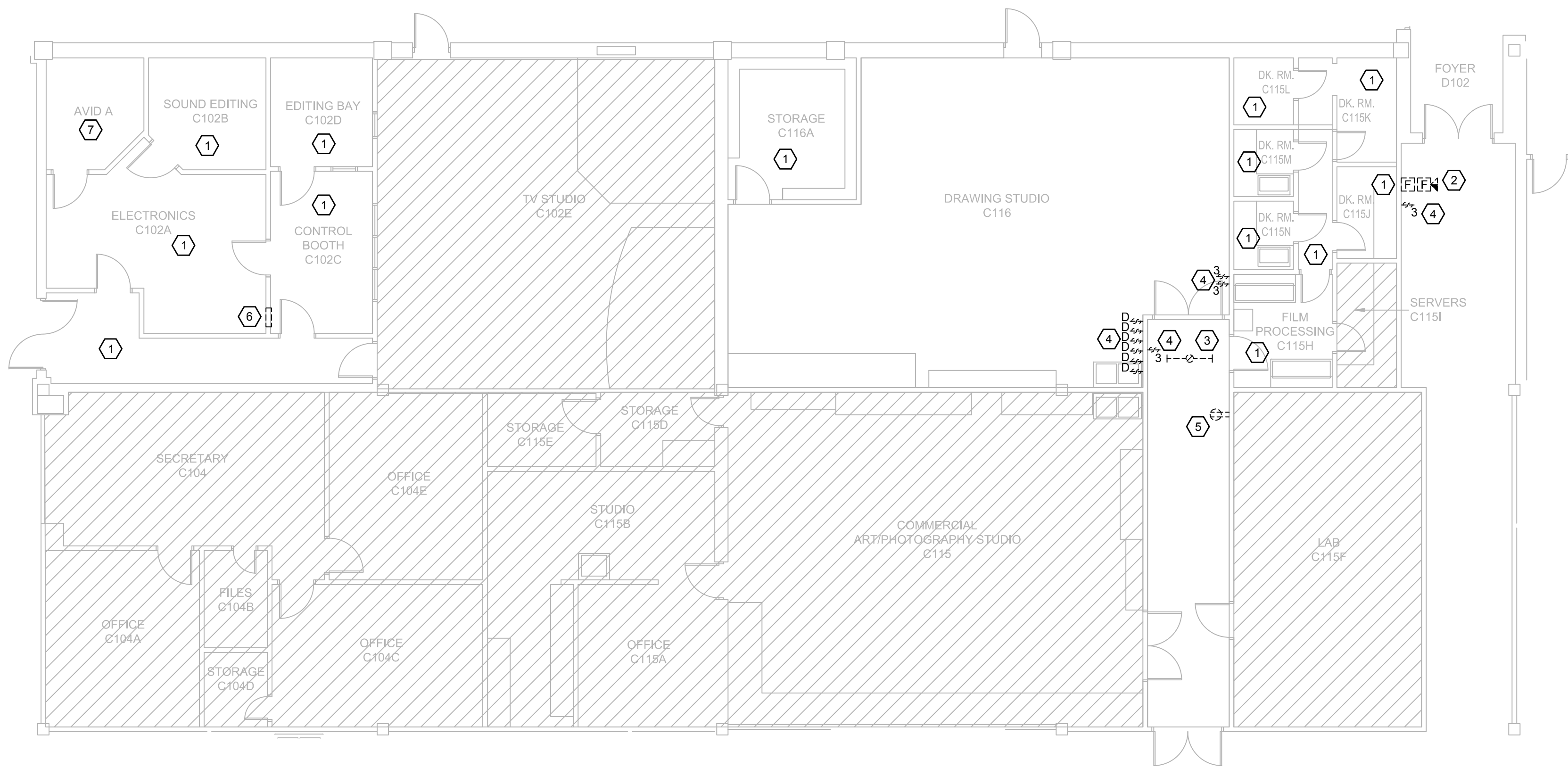
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No. F-001731
CEI Project Number D17-1212.00

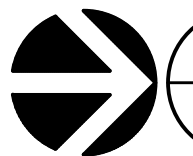
NO.	DESCRIPTION	DATE

16782.01

© 2016 HARPER PERKINS ARCHITECTS

E001



 **1** **ELECTRICAL DEMOLITION PLAN**
ED101 SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO SYMBOL LEGEND AND GENERAL NOTES.
2. CONTRACTOR SHALL VISIT PROJECT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
3. BEFORE DEMOLITION OF ANY FIRE ALARM DEVICES OR WIRING, VERIFY ALL CIRCUITS THAT ARE BEING SERVED OUTSIDE PROJECT SCOPE AREA. VERIFY WITH OWNER BEFORE DISRUPTING ANY SERVICES AFFECTED OUTSIDE PROJECT SCOPE AREA. ANY EXISTING DEVICES OR LIFE SAFETY SYSTEMS THAT ARE DISRUPTED BY DEMOLITION SHALL BE RESTORED TO OPERATION IMMEDIATELY OR WITH IN TIME AGREED UP ON WITH OWNER AND AHJ.
4. WHERE EXISTING EQUIPMENT OR MATERIALS ARE REMOVED OR CHANGED, ALL BRANCH CONDUITS, WHICH NO LONGER ARE IN SERVICE, SHALL BE REMOVED AS DIRECTED BY THE ARCHITECT. IF, IN THE COURSE OF THE WORK, OUTLETS ARE COVERED UP OR OTHERWISE RENDERED INACCESSIBLE, ALL WIRING TO SAME SHALL BE REMOVED TO THE SOURCE. IF A CIRCUIT THAT MUST REMAIN IN SERVICE IS INTERRUPTED THEREBY, IT SHALL BE RECONNECTED BY THE MOST INCONSPICUOUS MEANS SO AS TO REMAIN OPERATIONAL, WITH THE SAME CAPACITY AS BEFORE. ALL BUILDING SURFACES DAMAGED, AND OPENINGS LEFT BY REMOVAL OF BOXES, PIPING OR OTHER EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. ALL HOLES LEFT IN JUNCTION BOXES, SWITCHES, PANELS, ETC. SHALL BE CLOSED.
5. REMOVE EXISTING SYSTEMS, MATERIALS AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT. REINSTALL ANY SUCH SYSTEMS, MATERIALS AND EQUIPMENT WHICH IS REQUIRED TO COMPLETE THE PROJECT.
6. REMOVE EXISTING WORK AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
7. ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED OR DISPOSED OF AS DIRECTED.
8. WHERE EXISTING RACEWAYS THAT ARE NOT TO BE REUSED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST ACTIVE JUNCTION BOX OR ACTIVE PULL BOX AND THE OPENINGS BLANKED.
9. MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICAL.
10. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
11. COORDINATE ALL DEMOLITION WORK WITH ALL TRADES.
12. PROVIDE CORE DRILLING AND FIRE STOPPING AT ALL CONDUIT PENETRATIONS THROUGH EXISTING FLOOR SLABS AND WALLS TO MAINTAIN A 2-HOUR FIRE RATING. USE UL LISTED METHODS AND MATERIALS.
13. REPAIR AS REQUIRED THE CEILINGS, WALLS AND FLOORS TO MATCH THE SURROUNDING AREAS WHERE ITEMS ARE TO BE REMOVED AND NOT REPLACED.
14. THE CONTRACTOR SHALL COORDINATE BETWEEN THE ARCHITECTURAL AND MECHANICAL DEMOLITION PLANS TO ENSURE ALL DEMOLITION IS COMPLETE.

KEY NOTES

1. WITHIN SPACE INDICATED, REMOVE COMPLETELY ALL ASSOCIATED ELECTRICAL COMPONENTS. REMOVE ALL WIRING DEVICES, SWITCHES, LIGHTS, ETC. ENSURE THAT DEVICES UPSTREAM/DOWNSTREAM ARE NOT COMPROMISED, IF SO RECONNECT THEM TO MAINTAIN CURRENT WORKING STATUS. RETAIN CIRCUITS IN THE AREA FOR RE-USE IN NEW WORK.
2. RELOCATE EXISTING FIRE ALARM DEVICE TO ACCOMMODATE THE NEW DOORWAY. FIELD VERIFY NEW LOCATION WITH MSU FIRE MARSHALL.
3. REMOVE EXISTING LIGHT FIXTURE TO ACCOMMODATE RELOCATION OF DOOR IN HALLWAY.
4. RELOCATE EXISTING THREE-WAY SWITCH TO ACCOMMODATE RELOCATION OF DOOR IN HALLWAY. SEE E101 FOR NEW LOCATION.
5. REMOVE EXISTING RECEPTACLE TO ACCOMMODATE RELOCATION OF DOOR IN HALLWAY.
6. REMOVE EXISTING PANEL. PROVIDE JUNCTION BOX TO CAPTURE ALL EXISTING TO REMAIN CIRCUITS AND REROUTE THESE TO NEW PANEL LOCATION. REFER TO E101 FOR NEW LOCATION.
7. REMOVE ALL LIGHTS IN THIS ROOM. RETAIN CIRCUIT FOR REUSE. THE WALLS REMAIN IN THIS ROOM BUT THE WIRING DEVICES WILL NEED TO BE REWORKED TO BE FLUSH WITH NEW WALL TREATMENT.

DRAWN BY:

DATE: 3 FEBRUARY 2017

REVISIONS

NO.	DESCRIPTION	DATE

- KEY NOTES #
1.

CONNECT NEW RECEPTACLE TO CIRCUIT FEEDING DEVICES IN THIS ROOM ORIGINALLY.
2.

RELOCATE EXISTING FIRE ALARM DEVICE TO ACCOMMODATE THE NEW DOORWAY. FIELD VERIFY NEW LOCATION WITH MSU FIRE MARSHALL.
3.

PROVIDE JUNCTION BOX FOR DATA/ETHERNET CONNECTION (BY OWNER). PROVIDE 3/4" CONDUIT FROM BOX TO ABOVE CEILING.
4.

CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS IN ROOM.
5.

RELOCATE AND RECONNECT LIGHT SWITCHES IN NEW LOCATION SHOWN.
6.

PROVIDE NEW PANEL BOARD AND FEEDER. PROVIDE A 120/208V, 3 PHASE, 4 WIRE, 100A MAIN CIRCUIT BREAKER, 30 POLE PANEL TO REPLACE THE PANEL REMOVED ON SHEET ED101. REROUTE ALL EXISTING TO REMAIN BRANCH CIRCUITS CIRCUITS FED FROM THIS PANEL TO THIS NEW LOCATION. LABEL PANEL "LC". REFER TO DETAIL 3/E101 FOR ADDITIONAL INFORMATION.
7.

CONTRACTOR SHALL PERFORM THE FOLLOWING FIELD INSPECTION AND PROVIDE TO THE OWNER A REPORT OF THE CONDITIONS:

7.1.

FIELD VERIFY THAT THE FEEDER AND CIRCUIT BREAKER FEEDING THE TRANSFORMER IS PROPERLY SIZED PER THE NEC

7.2.

THAT THE TRANSFORMER IS PROPERLY GROUNDED.

7.3.

FIELD VERIFY THAT THE FEEDER AND CIRCUIT BREAKER ON THE SECONDARY SIDE OF THE TRANSFORMER IS PROPERLY SIZED PER THE NEC

- SHEET NOTES
1.

REFER TO SYMBOL LEGEND AND GENERAL NOTES.
2.

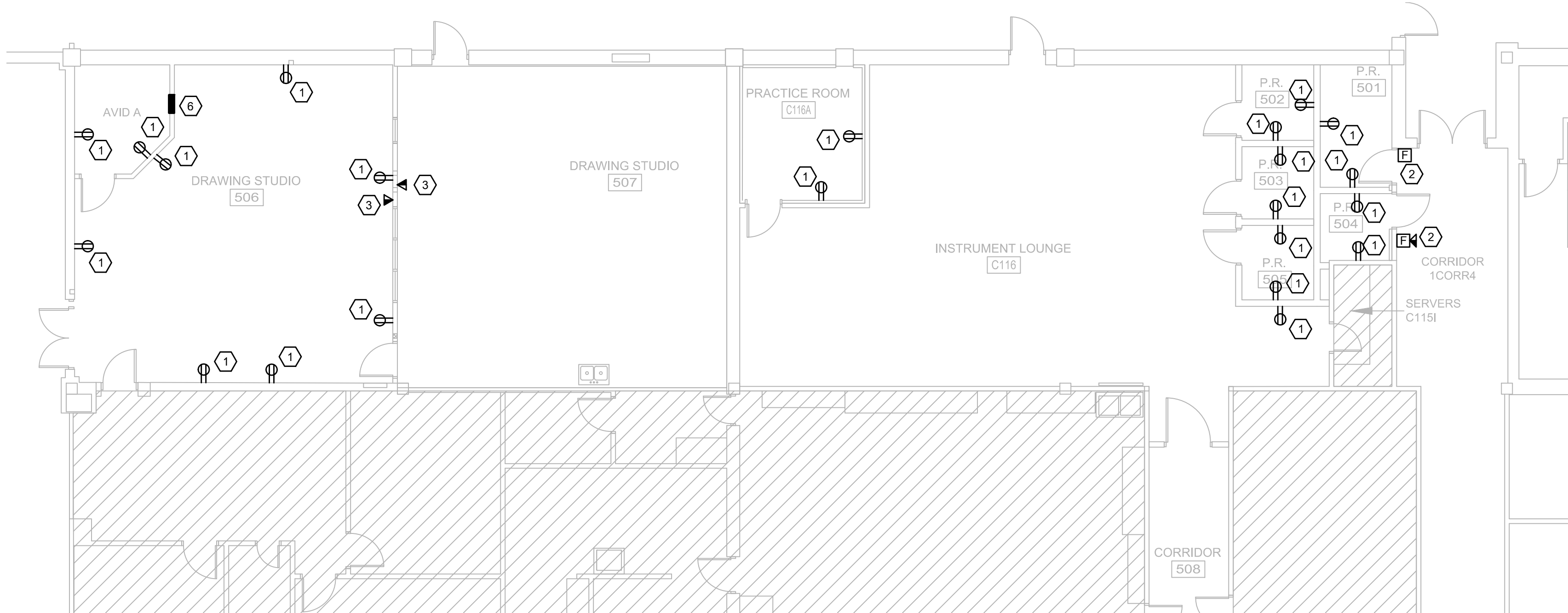
REFER TO LIGHT FIXTURE SCHEDULE.
3.

REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE EXACT LOCATIONS OF CEILING AND WALL MOUNTED LIGHT FIXTURES. ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE INSTALLED PER ARCHITECTURAL DIMENSIONED DRAWINGS. IF A LOCATION FOR A LIGHT FIXTURE IS NOT SHOWN ON THE DRAWINGS, VERIFY WITH ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS SHALL APPLY TO ALL CEILING TYPES IN ALL AREAS. DO NOT SCALE OR DIMENSION LIGHT FIXTURE LOCATIONS FROM THESE DRAWINGS.
4.

ALL LIGHTING CIRCUITS SHALL CONSIST OF A HOT, NEUTRAL, SWITCH-LEGS (AS REQ.) & EQUIPMENT GROUND UNLESS OTHERWISE NOTED. USE COPPER WIRING.
5.

PROVIDE AN ADDITIONAL UNSWITCHED HOT CONDUCTOR TO BATTERY PACK OF DESIGNATED EMERGENCY EGRESS LIGHT FIXTURE. CONNECT SUCH THAT THE FIXTURE IS CONTROLLED VIA LOCAL SWITCHING (AS INDICATED) WHEN UTILITY POWER IS AVAILABLE AND IMMEDIATELY TRANSFERS TO EMERGENCY OPERATION UPON LOSS OF UTILITY POWER.
6.

PROVIDE SEALANT AROUND ALL ELECTRICAL BOXES AND CONDUIT PENETRATIONS TO MINIMIZE SOUND TRANSMISSION.

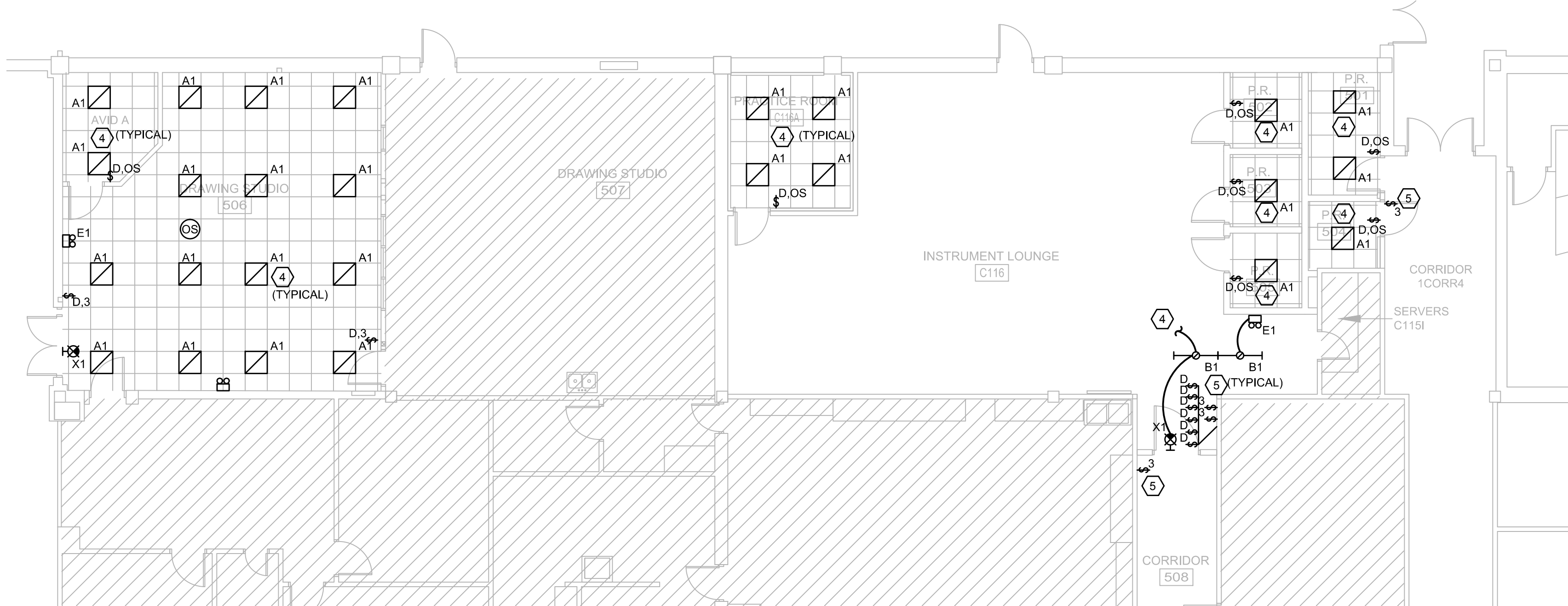


2

ELECTRICAL POWER PLAN

E101

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

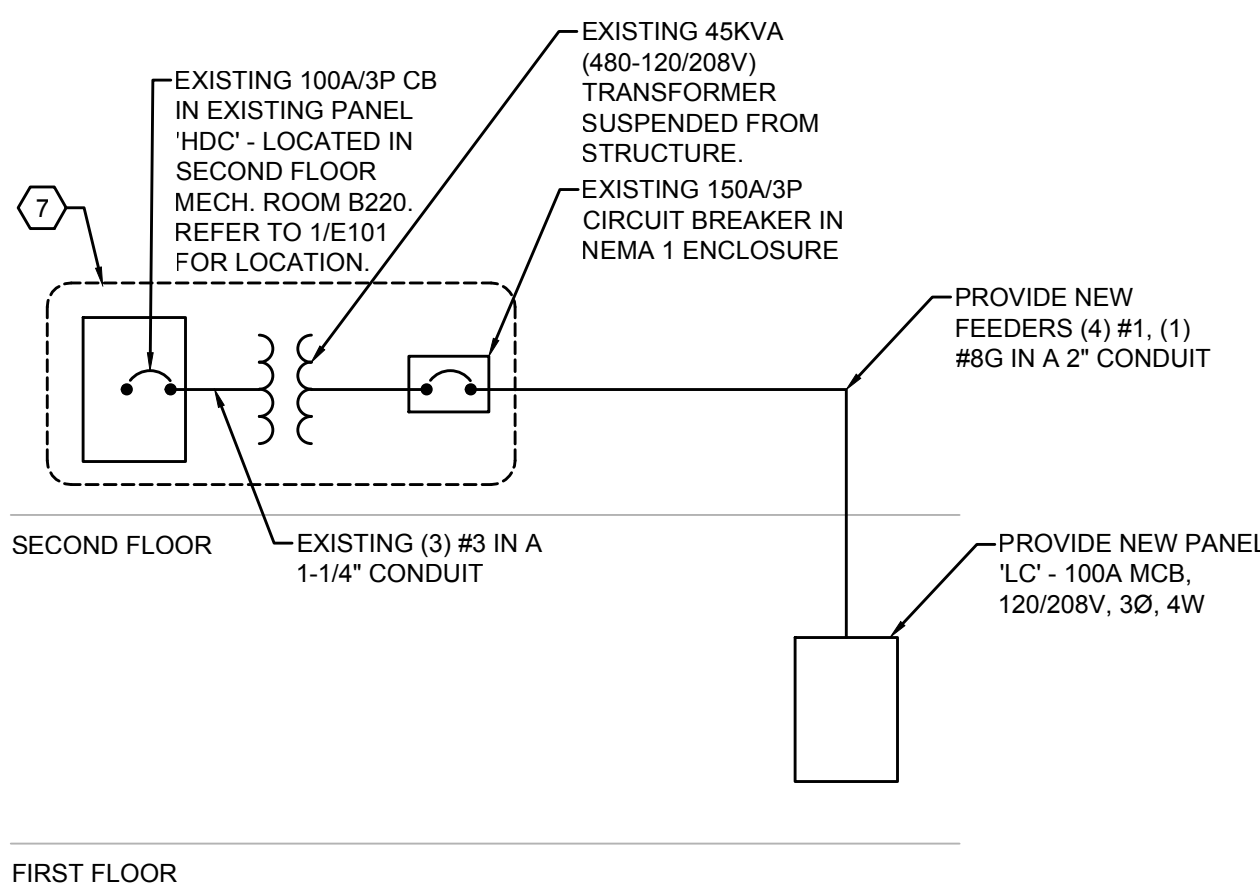


1

ELECTRICAL LIGHTING PLAN

E101

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



3

PARTIAL ELECTRICAL RISER DIAGRAM

E101

SCALE: N.T.S.