

UNIVERSITY OF NORTH CAROLINA SCHOOL OF THE ARTS

THE UNIVERSITY OF NORTH CAROLINA SCHOOL OF THE ARTS **FITNESS CENTER / BASKETBALL** COURT STUDY **1533 SOUTH MAIN STREET** WINSTON-SALEM, NORTH CAROLINA 27127

CONTACTS

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APRIL 18, 2018

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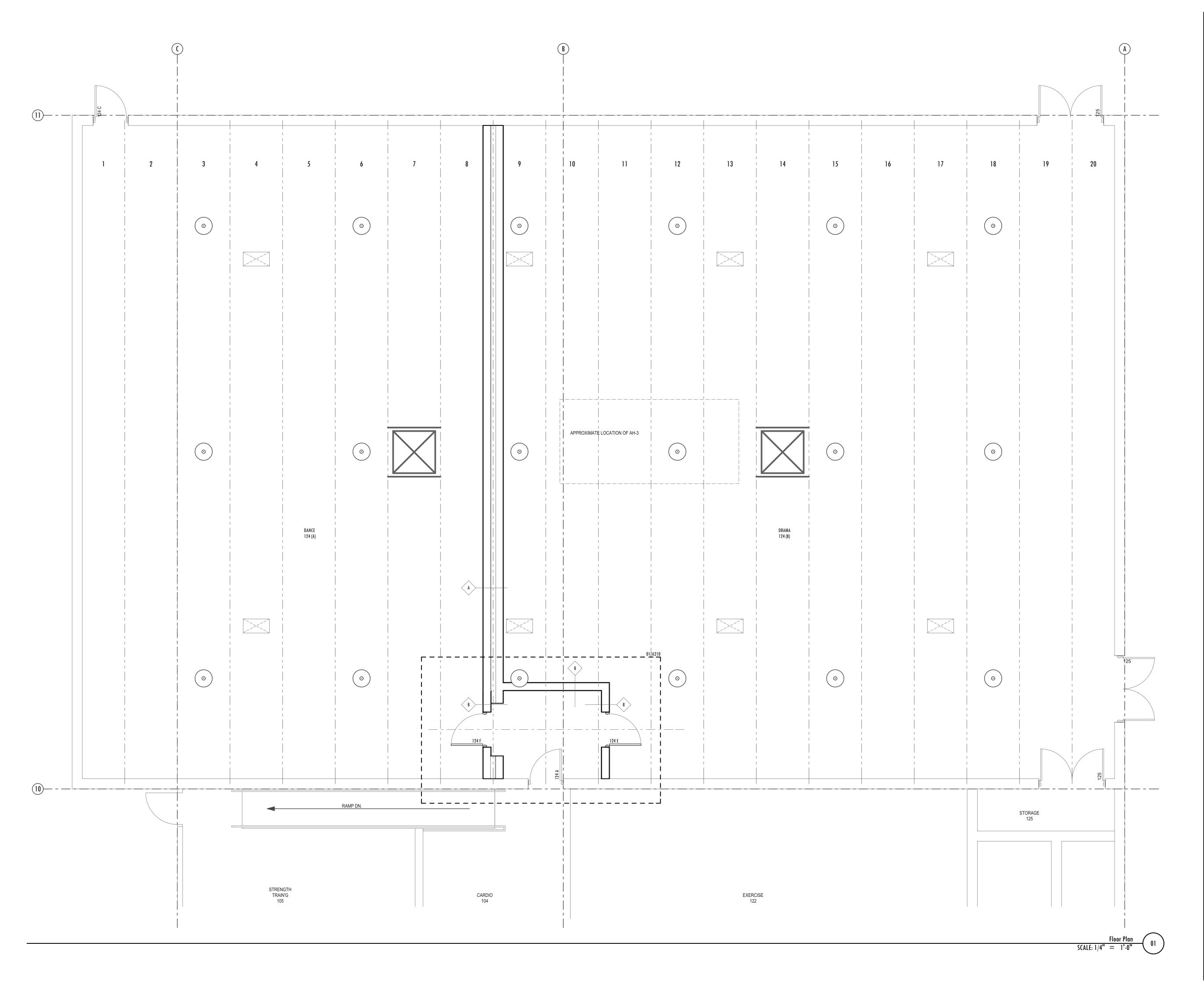
GENERAL NOTES

- ALL DIMENSIONS ARE TO THE FACE OF MASONRY OR FACE OF STUD UNLESS NOTED UTHERWIS
- 2. ALL DIMENSIONS TO WINDOWS AND DOORS LOCATED IN MASONRY WALLS ARE TO THE MASONRY OPENING. ALL DIMENSIONS TO WINDOWS AND DOORS IN METAL OR WOOD ST ALLS ARE TO THE CENTERLINE OF THE OPENING UNLESS NOTED OTHERWISE.
- 3. ALL DIMENSIONS TO ITEMS SUCH AS EXPANSION JOINTS, CONTROL JOINT, DOWNSPOUTS AND SCUPPERS ARE TO THE CENTERLINE
- 4. REFER TO THE WALL SECTIONS FOR THE CONSTRUCTION OF ALL TYPICAL EXTERIOR WALLS.
- ALL BATHROOMS SHALL RECEIVE WATER RESISTANT GYPSUM BOARD ON WALLS AND CEILINGS UNLESS NOTED/SCHEDULED OTHERWISE.
- 6. ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. ALL METAL STUD PARTITION TYPES SHALL BE ANCHORED TO DECK ABOVE PER "DOUBLE TRACK SLIP JOINT DETAIL
- ALL CMU PARTITIONS AND BEARING WALLS SHALL BE GROUTED AT METAL DECK VOIDS.
- 7. SEE PARTITION TYPES FOR WALL RATING INFORMATION.
- PROVIDE BLOCKING IN WALLS FOR ALL WALL HUNG ITEMS SUCH AS CABINETRY, TOILET ACCESSORIES, CHALKBOARDS, WHITEBOARDS, DIRECTORIES AND TACKBOARDS.
- REFER TO WINDOW AND DOOR DETAILS FOR WINDOWS AND DOORS. 10. FOR FIRE EXTINGUISHER CABINET (FEC), MOUNTING HEIGHTS AND DETAILS THE FIRE EXTINGUISHER CABINET (FEC) DETAIL. FIRE EXTINGUISHER CABINETS ARE TO BE PLACED SUCH THAT THEY DO NOT INTERFERE WITH REACHING ACCESS TO OTHER WALL DEVICES SUCH AS LIGHT SWITCHES, THERMOSTATS, OUTLETS, ETC.
- 11. ALIGN CENTERLINES OF ELECTRICAL, MECHANICAL OR PLUMBING DEVICES WITH ARCHITECTURAL FEATURES WHERE POSSIBLE. ARCHITECT TO VERIFY LOCATIONS OF ALL DEVICES
- BEFORE PERMANENT PLACEMENT 12. ALL CONDUIT AND PIPING SHALL BE CONCEALED AND SHALL NOT BE RUN EXPOSED. ANY CONDUIT OR PIPING LEFT EXPOSED SHALL BE MOVED AND HIDDEN WITH THE FINISHES AT
- THE EXPENSE OF THE GENERAL CONTRACTOR 13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF PENETRATIONS WITH MECHANICAL
- PLUMBING, AND ELECTRICAL CONTRACTOR'S WORK. ANY CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO
- PROCEEDING. THE GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE THE PREPARATION OF COORDINATION DRAWINGS FOR ALL TRADES. SEE SPECIFICATION 14. DEMOLITION WHERE REQUIRED SHALL BE CARRIED OUT WITHOUT UNNECESSARILY DAMAGING MATERIAL NOT PART OF THE DEMOLITION. WHERE DEMOLITION OCCURS, BUILDING ELEMENTS SHALL BE RENOVATED WITH PATCHING OR REWORKING AS REQUIRED TO PROVIDE FINISHED SURFACES, EDGES, TRIM OR OTHER ELEMENT CONSISTENT WITH THE EXISTING
- ADJACENT MATERIAL TYPE, FINISH, AND TEXTURE. SEE SPECIFICATIONS.
- 15. ALL NEW WOOD DOORS AND HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED. ALL EXISTING DOORS SHALL BE PREPPED AND PAINTED.
- 16. NEW STORAGE ROOMS SHALL HAVE BUILT IN SHELVING UNLESS NO SHELF LINES ARE SHOWN ON THE PLAN FOR THE SPACE.
- 17. ALL CMU BLOCK AND BRICK DIMENSIONS ARE SET TO COURSING. AT PREINSTALLATION MEETING, ARCHITECT SHALL BE INFORMED BEFORE MASONRY WORK BEGINS IF THERE ARE AREAS WHERE BRICK OR BLOCK DO NOT COURSE
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, AND ERECTION OF STRUCTURAL MATERIALS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS
- 19. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH NEW WORK IN AREAS AFFECTED BY EXISTING CONDITIONS. TH
- DESIGNER SHALL BE INFORMED IN WRITING OF CONFLICTS BETWEEN EXISTING AND PROPOSED NEW CONSTRUCTION 20. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEAN
- AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 21. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE CAPACITY OF THI STRUCTURE AT ANY TIME.
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, FURNISHING, ERECTING, AND REMOVING ANY SHORING AND BRACING REQUIRED DURING CONSTRUCTION OR RELOCATION OF STRUCTURE, INCLUDING BRACING REQUIRED FOR SIDES OF EXCAVATIONS DURING FOUNDATION CONSTRUCTION
- 23. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED TO TEMPORARILY BRACE AND SUPPORT WALLS DURING CONSTRUCTION PRIOR TO ERECTION OF PERMANEN
- STRUCTURAL MEMBERS WHICH WILL SERVE AS PERMANENT BRACING FOR WALLS. 24. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL CONCRETE HAS REACHED ITS REQUIRED COMPRESSIVE STRENGTH. USE MECHANICAL HAND-TAMPERS FOR COMPACTIN
- BACKFILL AGAINST WALLS.
- 25. NO OPENINGS NOR ANY CHANGES IN SIZE, DIMENSION OR LOCATION SHALL BE MADE IN ANY STRUCTURAL ELEMENTS WITHOUT WRITTEN APPROVAL OF THE DESIGNER 26. THE CONTRACTOR SHALL INFORM THE DESIGNER, IN WRITING, OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY VIRTUE OF THE DESIGNER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE DESIGNER OF
- SUCH DEVIATION AT TIME OF SUBMISSION, AND THE DESIGNER HAS GIVEN WRITTEN APPROVAL FOR THE SPECIFIC DEVIATION
- 27. WHERE CONSTRUCTION TOLERANCES ALLOW FOR VARIATIONS IN LOCATION, SIZE, ETC. OF STRUCTURAL ELEMENTS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR T PROVIDE ALL MATERIALS AND LABOR NECESSARY TO MODIFY CONNECTION ELEMENTS AS REQUIRED TO PROVIDE A FINISHED PRODUCT WHICH IS IN ACCORDANCE WITH THE
- REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. ANY SUCH MODIFICATIONS REQUIRED SHALL BE REVIEWED AND APPROVED BY THE DESIGNER PRIOR TO EXECUTION. 28. THE DESIGNER SHALL BE NOTIFIED AT THE PROPER TIME WHEN ITEMS ARE READY FOR FIELD REVIEW. SUFFICIENT NOTICE SHALL BE GIVEN TO ALLOW SCHEDULING OF THE FIELD
- REVIEW SAFETY NOTES:
- 1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY,

CONSTRUCTION DOCUMENTS

BE FOLLOWED STRICTLY.

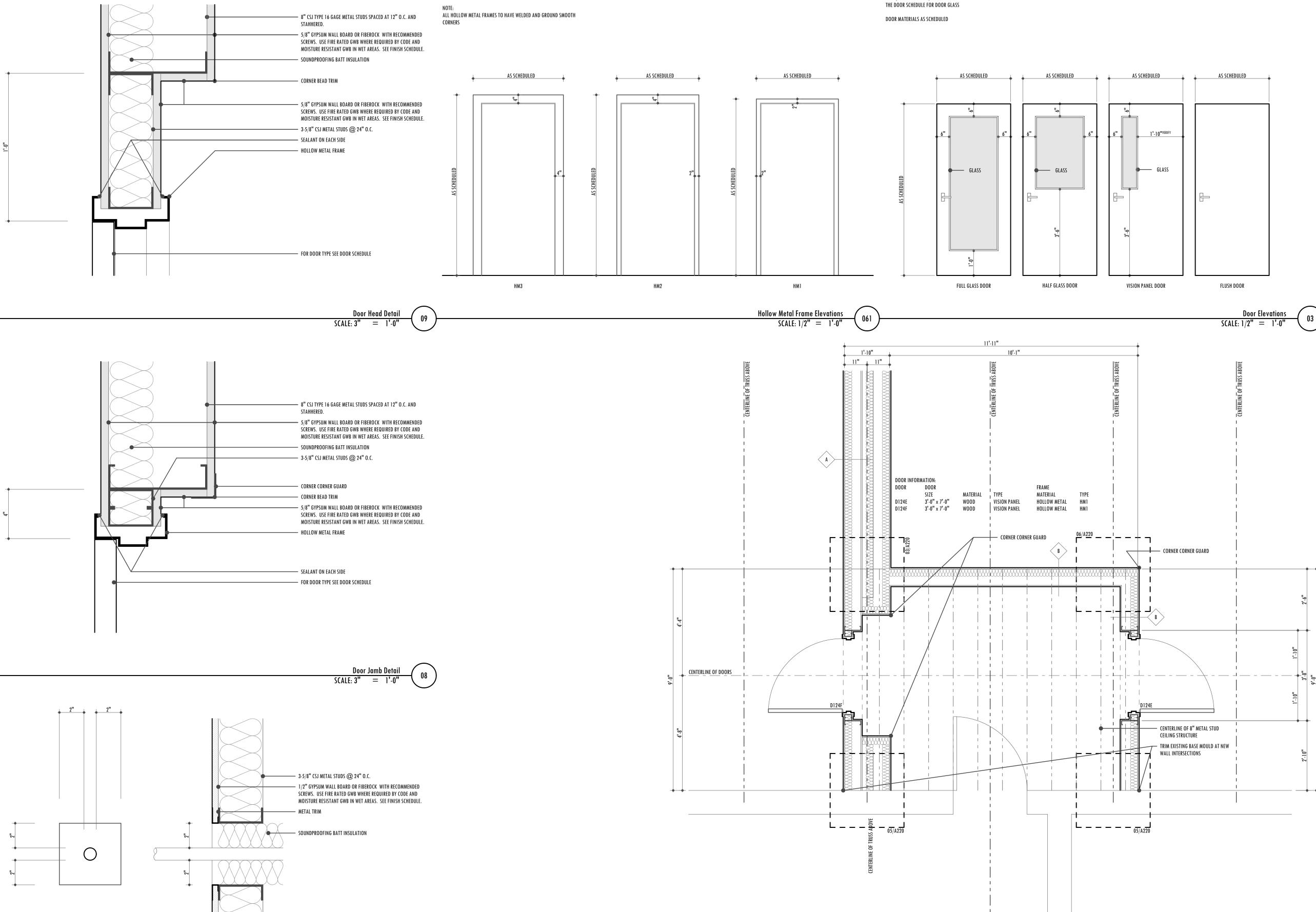
- DAMAGE, OR LOSS. 2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS, AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT. SAFETY REGULATIONS SHALI

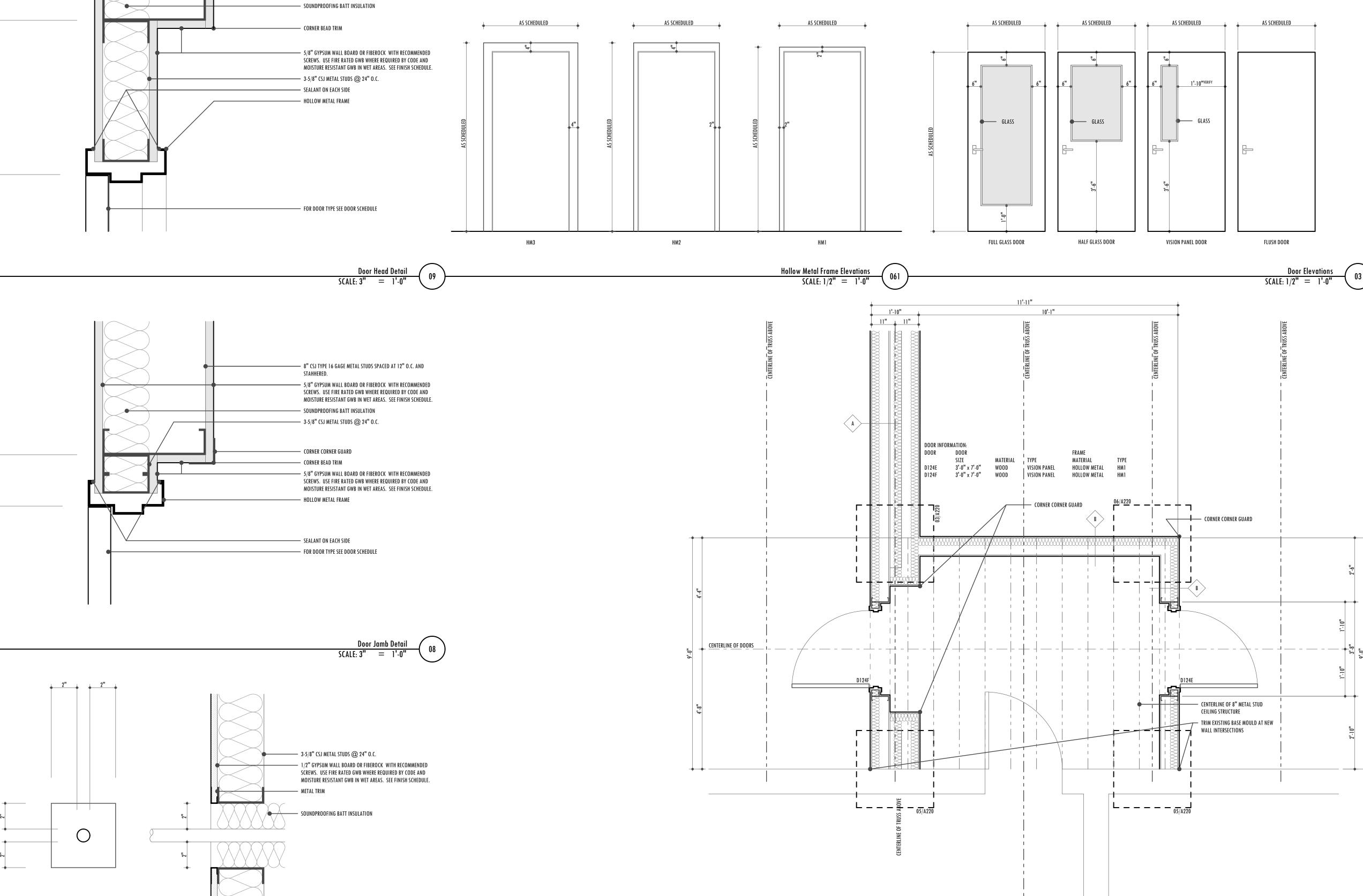


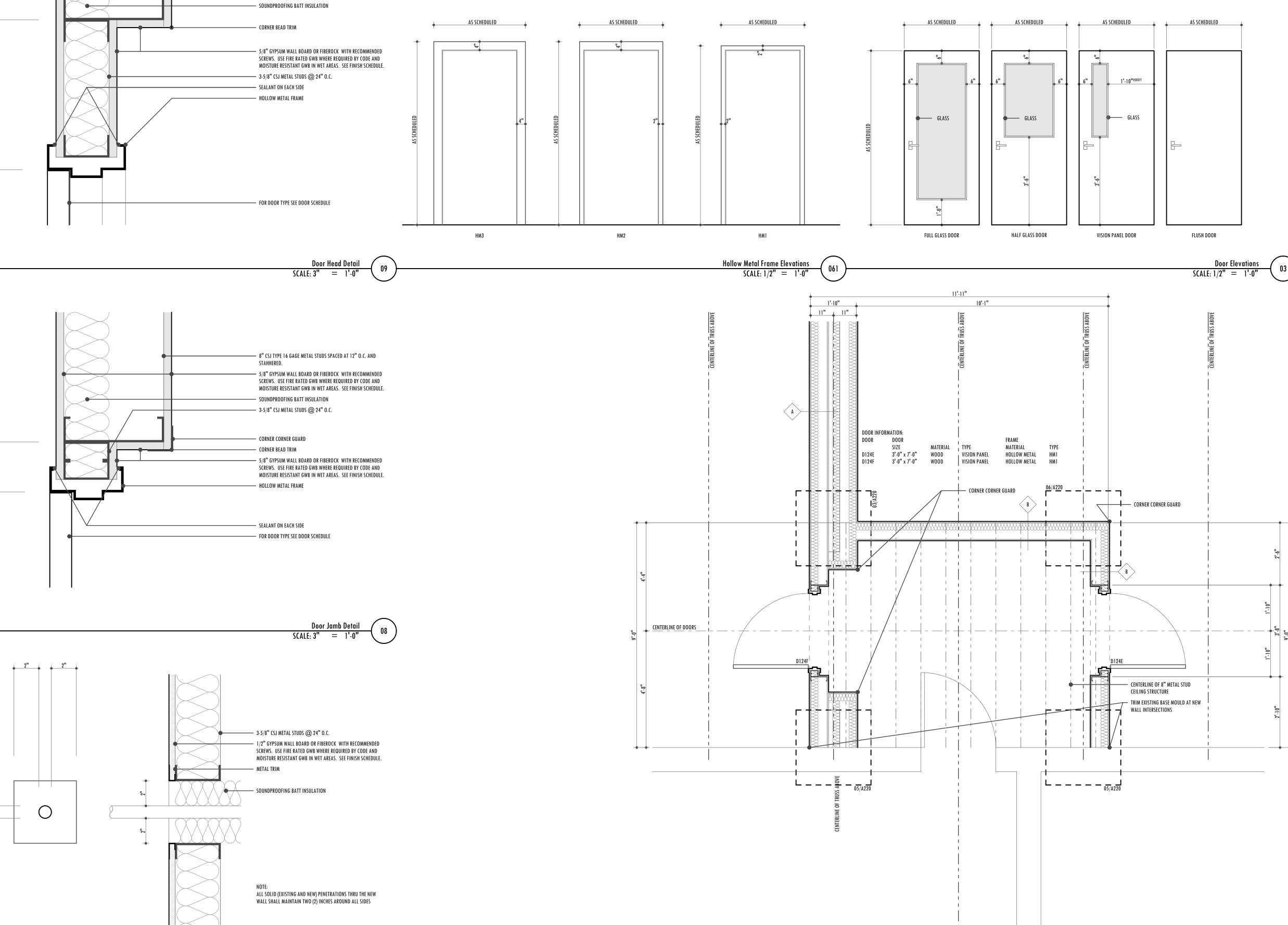
METROPOLIS A R C H I T E C T U R E PLLC 301 NORTH MAIN STREET, SUITE 1204 WINSTON-SALEM, NORTH CAROLINA 27101 336.725.1400 ON-SALE04.18.2018 THE UNIVERSITY OF NORTH CAROLINA SCHOOL OF THE ARTS FITNESS CENTER / BASKETBALL **COURT STUDY** 1533 SOUTH MAIN STREET WINSTON-SALEM, NORTH CAROLINA 27127 MA COMMISSION: DATE: APRIL 18, 2018 DESIGN PHASE: CONSTRUCTION DOCUMENTS **REVISIONS**: SHEET TITLE: FLOOR PLAN

THESE DRAWING ARE INSTRUMENTS OF SERVICE AND REMAN THE PROPERTY OF METROPOLIS ARCHITECTURE, PLLC. THEY MAY NOT BE DUPLICATED OR USED FOR ANY REASON BY ANY PERSON OR AGENCY WITHOUT THE WRITTEN PERMISSION BY AN AUTHORIZED AGENT FOR METROPOLIS ARCHITECTURE, PLLC.

SHEET NUMBER:







 Wall Penetration Detail

 SCALE: 3"
 =
 1'-0"

NOTE: USE 1/4" CLEAR GLASS, TEMPERED WHERE REQUIRED BY CODE FOR GLASS NOT SHOWN AS RATED ON

Enlarged Floor Plan SCALE: 1/2" = 1'-0" (01)



301 NORTH MAIN STREET, SUITE 1204 WINSTON-SALEM, NORTH CAROLINA 27101 336.725.1400 ON-SALE04.18.2018 THE ARTS 27127 A SCHOOL OF 1 SKETBALL \geq A THE UNIVERSITY OF NORTH CAROLINA FITNESS CENTER / BA STUD

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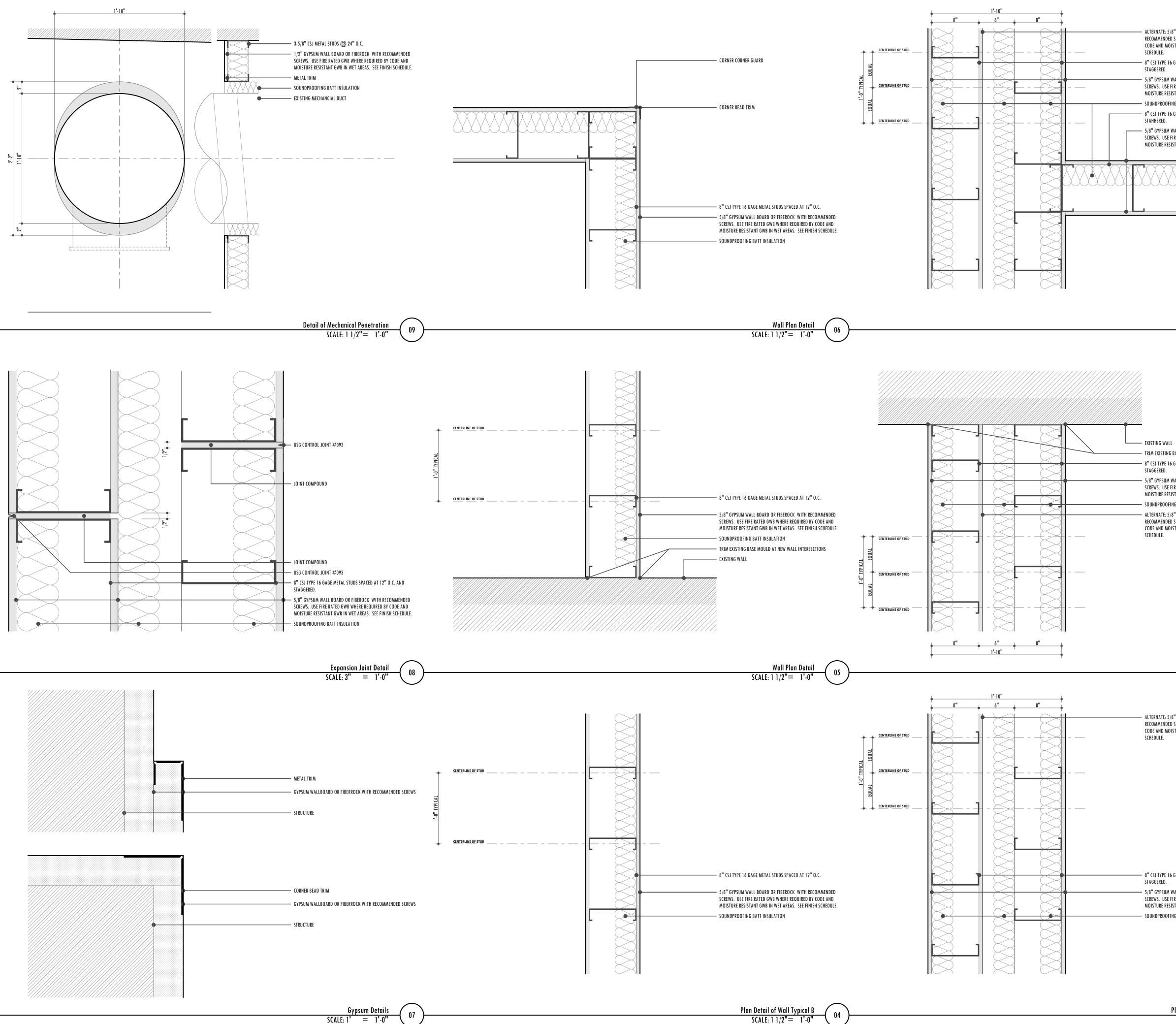
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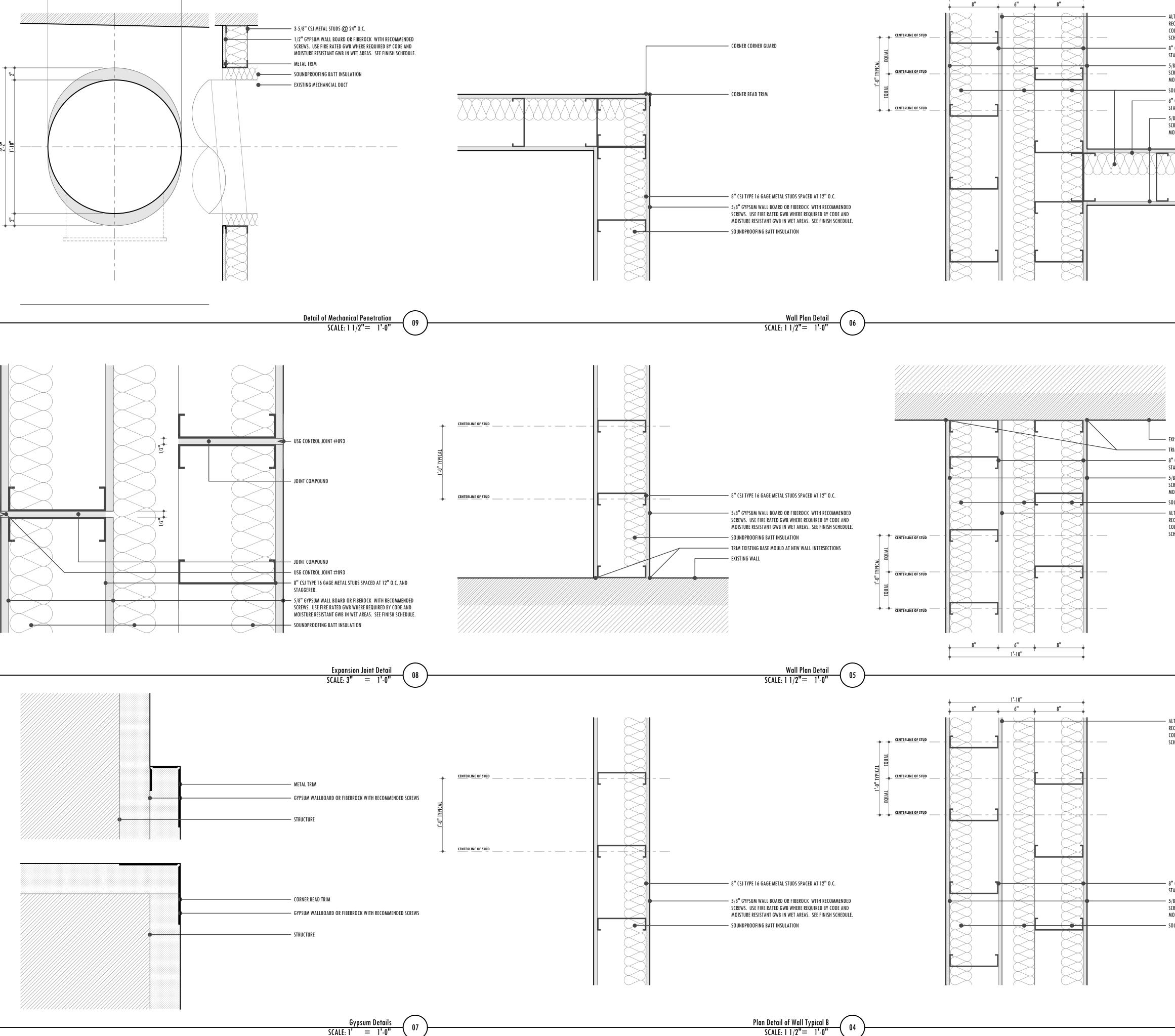
DATE: APRIL 18, 2018 DESIGN PHASE: **CONSTRUCTION DOCUMENTS REVISIONS:**

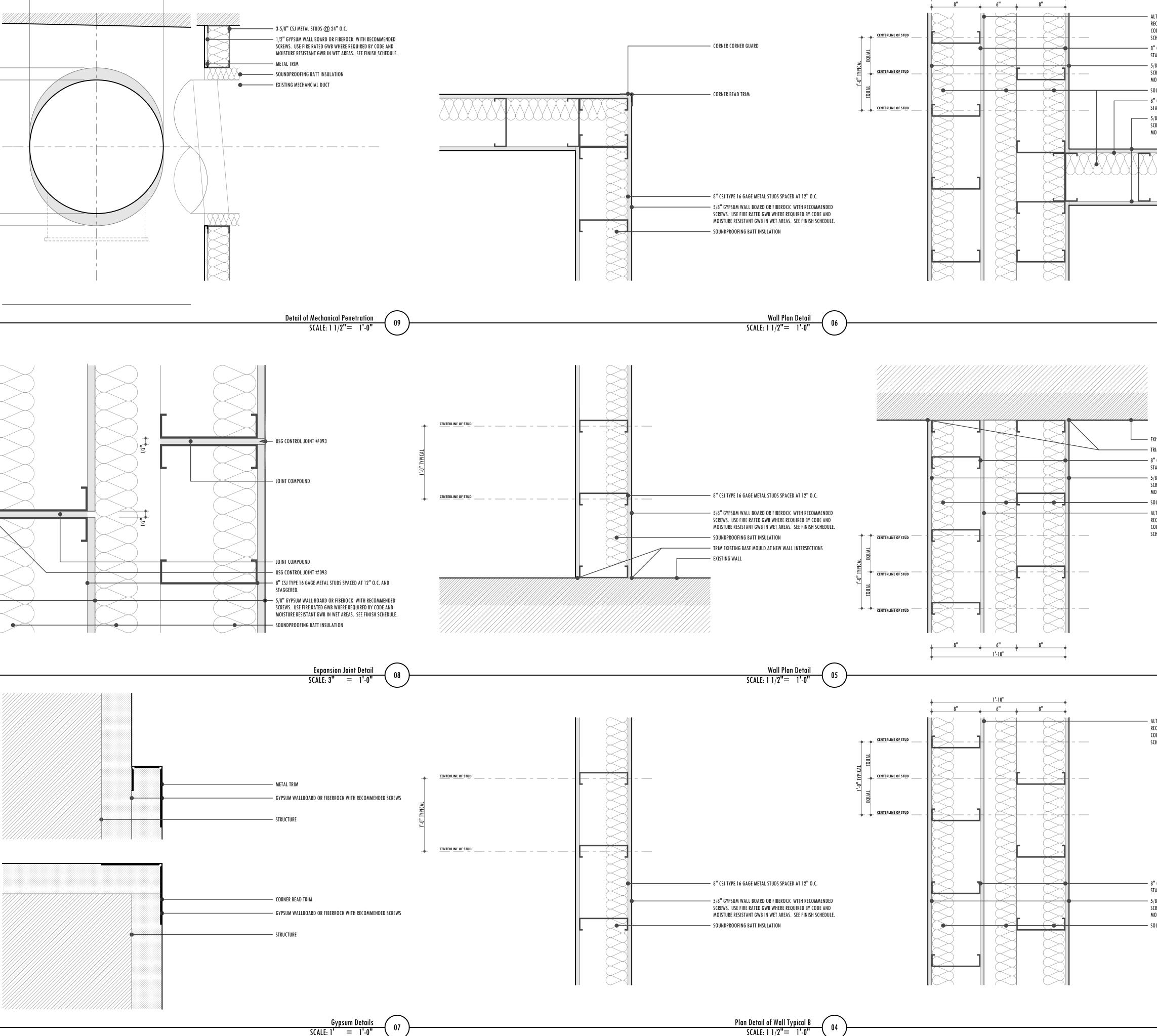
SHEET TITLE: ENLARGED FLOOR PLAN DOOR AND DOOR FRAME ELEVATIONS **DOOR DETAILS**

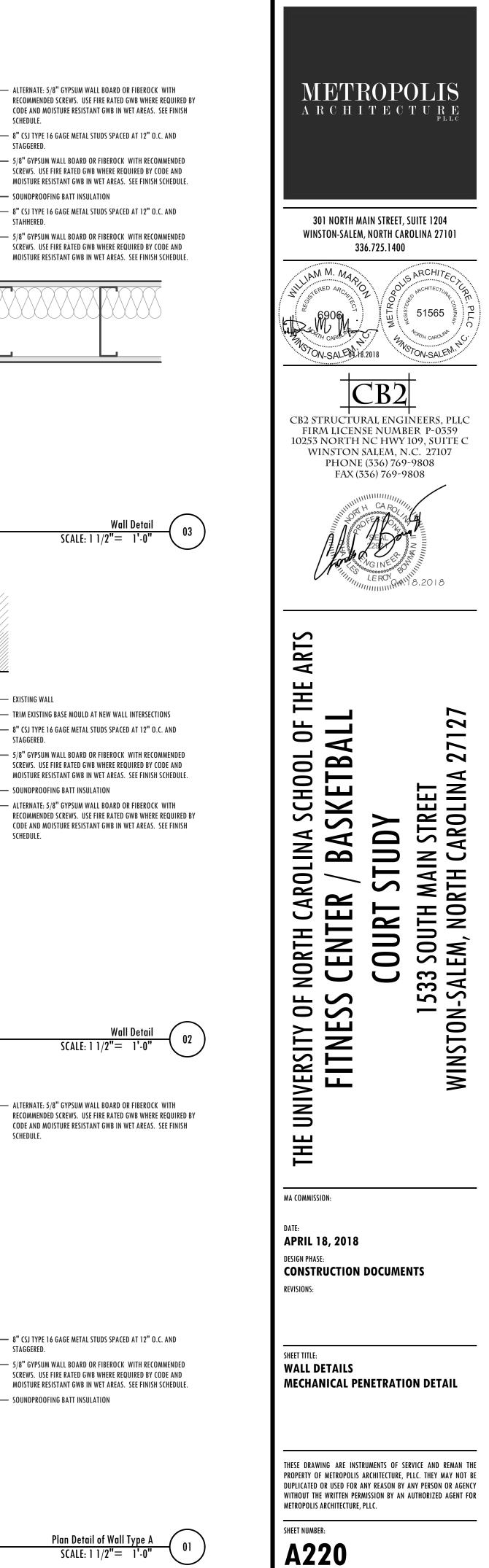
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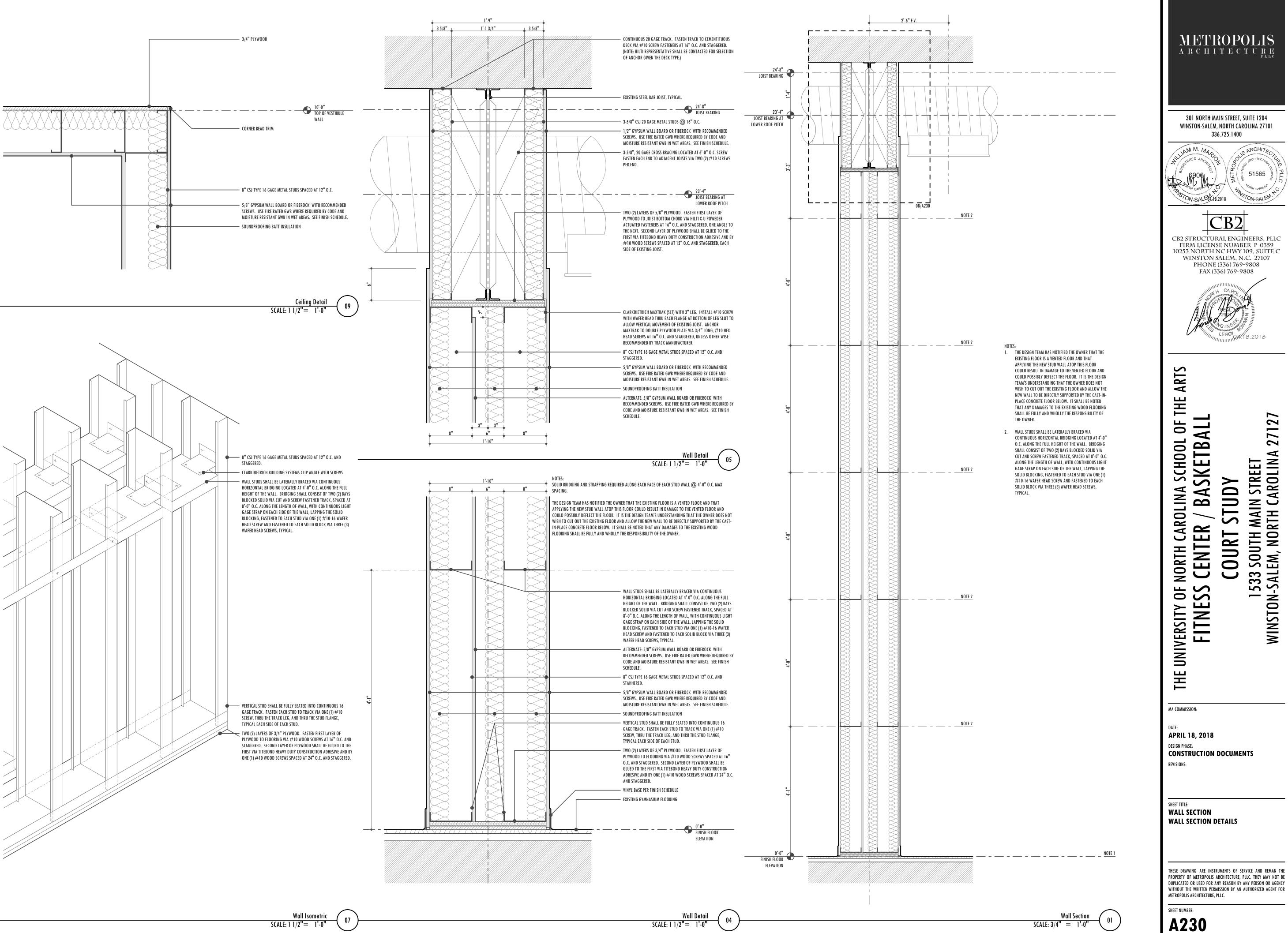
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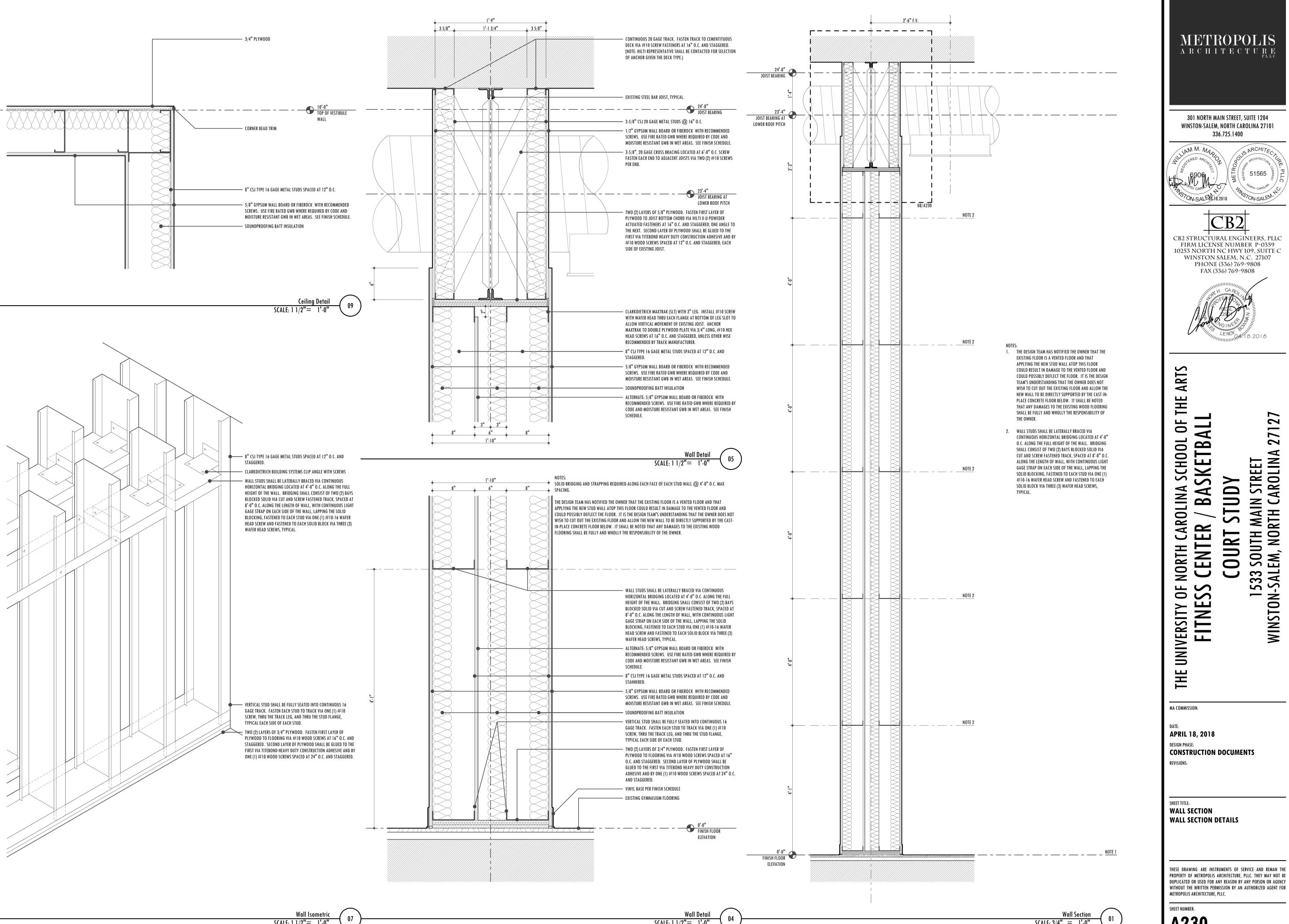


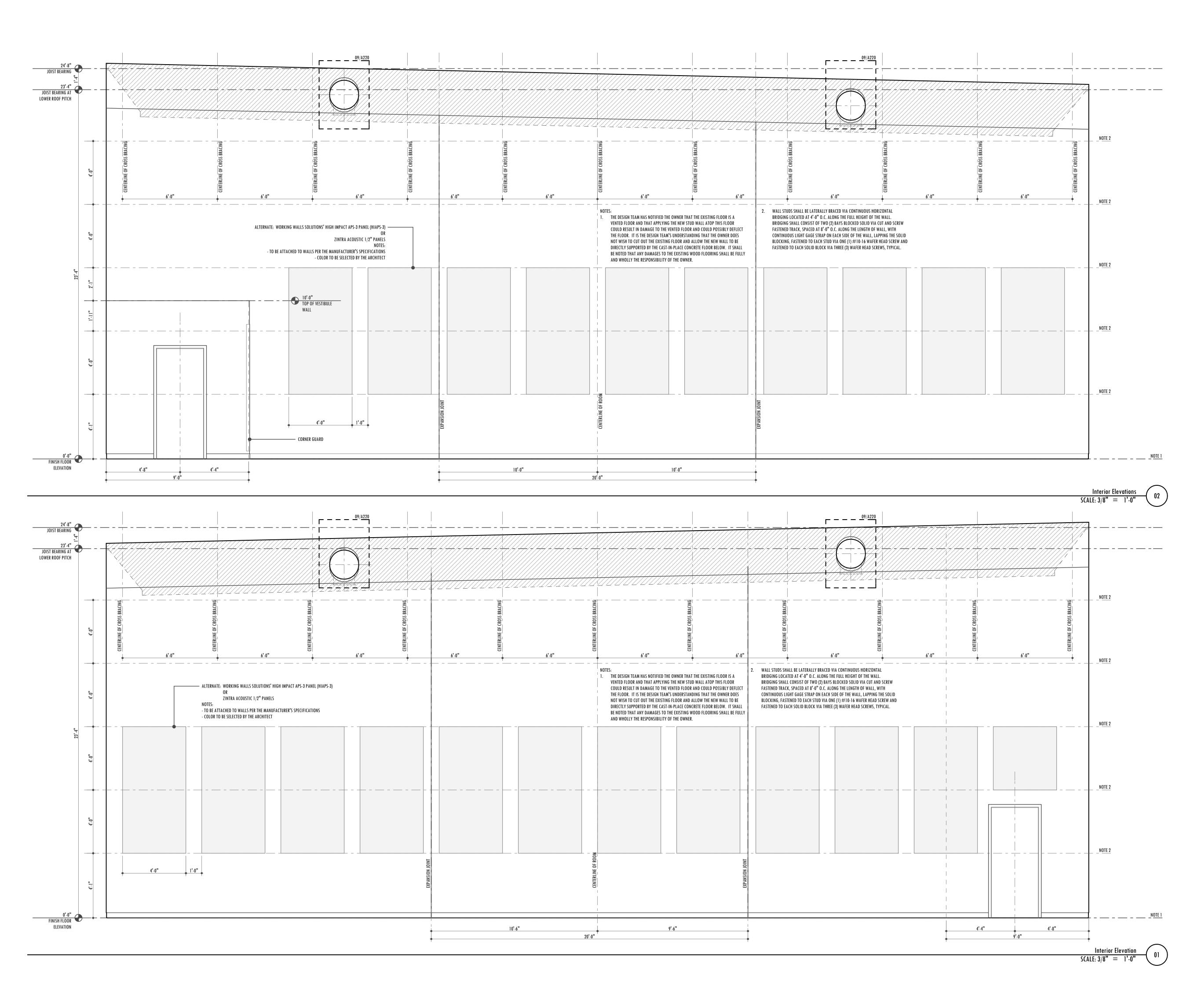


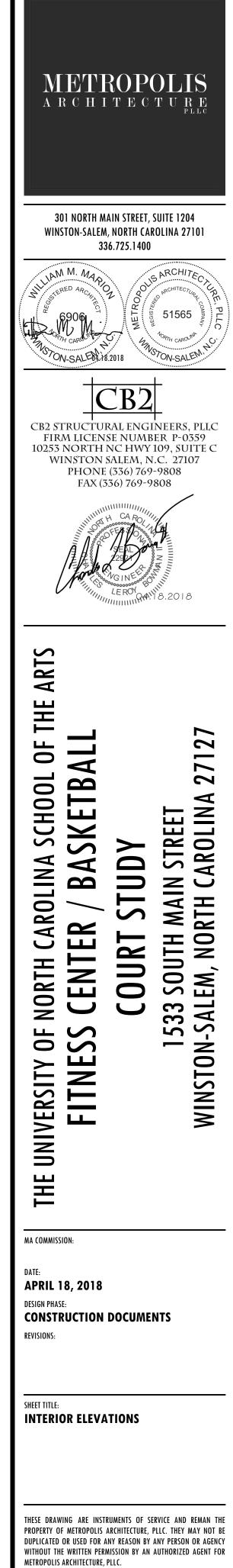




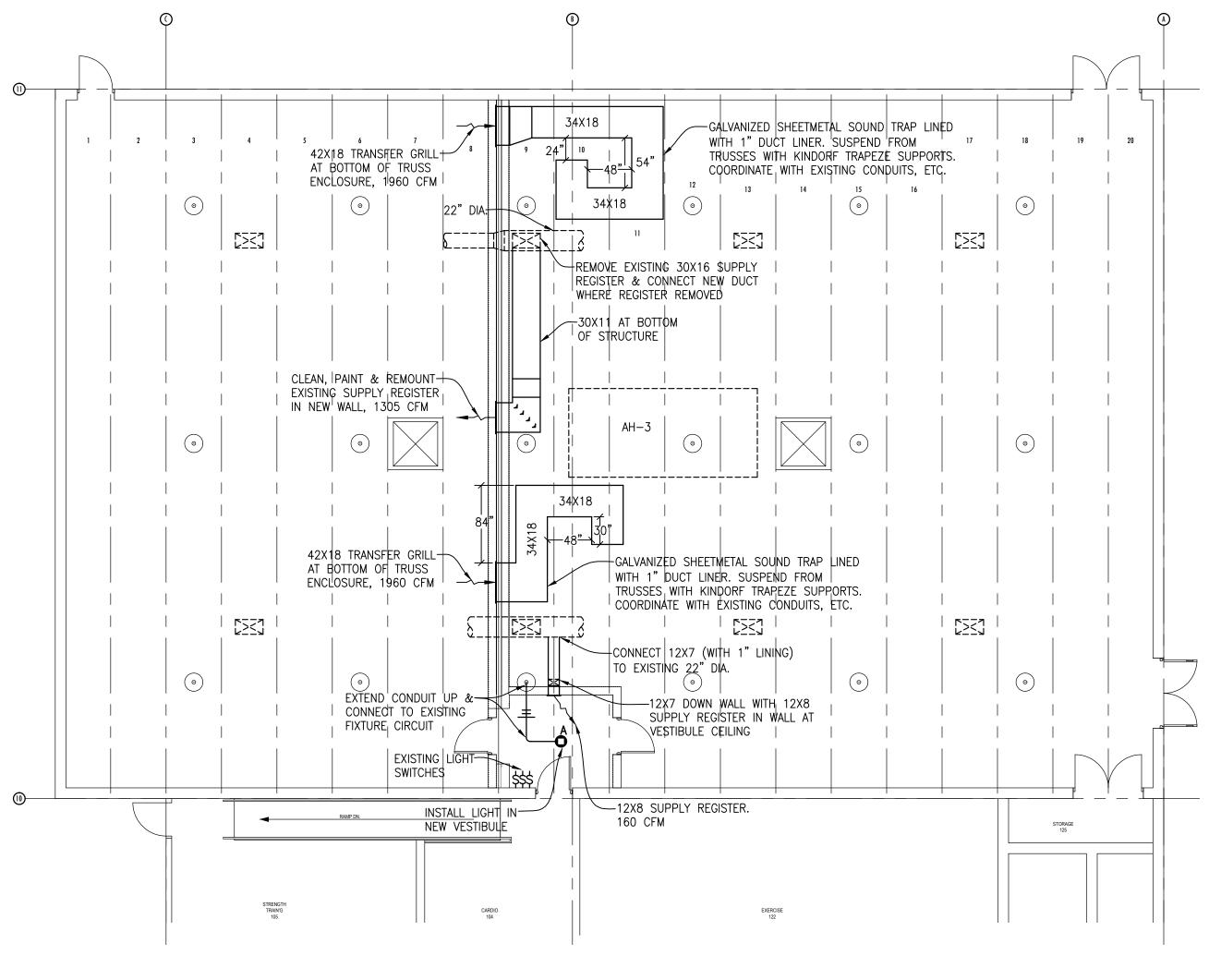








SHEET NUMBER:



HAC & ELECTRICAL FLOOR PLAN SCALE: 1/8" = 1' - 0"

	LIGHTING FIXTURE SCHEDULE								
Fixt. Let.	Туре	Lumens & Watts	Manufacturer & Style No.	Finish	Mounting Height				
A	RECESSED LED DOWNLIGHT	3000-3500 LUMENS 30-42W	PRESCOLITE #LF6SQML-DMI-120-6SQML-30L-WT-PL PORTFOLIO - EQUAL LIGHTOLIER #C6-S-N-C6L-35-9-40-M-Z10-U-C6-S-DL-NM-CL LITHONIA #LDN6SQ-40/30-LS6-AR-LSS-120-EZ10-TRW	WHITE	IN CEILING				

HEATING AND AIR CONDITIONING NOTES:

1. Installation and workmanship to be first class as generally accepted in trade. Entire installation to be per North Carolina State Building Code latest edition, and per all local codes and ordinances. The HAC Contractor shall properly coordinate his work with other trades to prevent conflicts in location or routings, and shall make any necessary variations due to field conditions. Piping shall generally be routed parallel or at right angles to building walls. Owner and Engineer will interpret the meaning of all drawings and shall have the power to reject any work not, in their judgment, in full accordance therewith. Work shall include all equipment, fees, tools, and plant labor, etc. required for installation of complete heating, air conditioning, and ventilating systems. All materials for the job to be new.

2. DUCTS:

Ducts shall be constructed of best bloom galvanized steel conforming to ASTM A-93 and Federal Specification QQS775 as manufactured by Bethlehem Steel, Republic, United States Steel, or other approved equal. Thickness of duct materials shall be in accordance with the following:

Size of Largest Side Galvanized	5
Up to 12"	#26
13"-30"	#24
31"-54"	#22

All lined duct sizes include allowance for lining.

3. TRANSFER GRILLS:

To be constructed of steel, white, for mounting on spiral duct, double deflection register with closed cell foam gasket and air scoop. Price model RDR or equal by Krueger or Titus. Grills with blades set at 35-45 degree angle, 3/4" blade spacing, constructed of steel, white, Price series 530 or equal by Krueger or Titus.

4. PAINTING OF DUCTS:

Inside portions of ducts visible from registers, grilles, or diffusers shall be painted flat black.

5. DUCT INSULATION LINING:

Duct insulation for the heating and air conditioning systems shall be 1" thick fiberglass duct liner semi-rigid type, nominal 2 pound density, with black matte finish with acrylic fungus and bacteria growth resistant coating, with flame spread rating or 25 or less and smoke develop rating of 10 or less; 1" thick for supply, return, and fresh air ducts and all plenums. Surface coating to resist microbial growth in accordance with ASTM C1071, ASTM G21 and G22. Insulation shall be Linacoustic Permacoat 200 as manufactured by Schuller, or approved equal as manufactured by Armstrong, Owens-Corning, Gustin-Bacon or approved equal. Line all rectangular supply, fresh air and return duct.

6. INSTALLATION OF DUCT INSULATION LINING FOR LINED DUCT WORK:

All new supply and return air duct and plenums shall be insulated. Insulation shall be applied to the interior of the ducts as lining. Insulation shall be attached to duct with metal clips secured with fire resistive adhesive; metal clips shall be set so as to be not more than 12" on centers and shall be located not more than 2" from leading edges and not more than 3" of transverse joints. Interior surface of sheet metal shall be 100% brushed with fire resistive adhesive and liner adhered thereto. All exposed edges and leading edges of all transverse and longitudinal joints of liner shall be coated with fire resistive adhesive. The upstream end must be continuously adhered to for a 6" width.

ELECTRICAL NOTES:

be new.

2. BUILDING WIRE (120/208, 277 VAC SYSTEM):

Interior wire and feeders shall be copper with N.E.C. type "THNN/THWN" insulation, color coded red, black and blue for phase wires, (120V), brown, orange and yellow (277V) green for grounds, and white (120V) or gray (277V) for grounded neutral. No wire smaller than No. 12 AWG shall be used in power and lighting systems. Wire for 15 and 20 ampere, single pole branch circuits shall be No. 12 except that where length of run from the first outlet to panel exceeds 50 ft., branch circuit wiring to first outlet shall be No. 10.

Conduits shall be as manufactured by Walker Brothers, Pittsburgh Standard, National Electric Co., or other approved equal.

Grounded type insulated bushings with separate double lock nuts shall be used on all conduit terminations in panel cabinets, pull boxes and wiring gutters except where not required on EMT tubing terminations.

4. OUTLET AND JUNCTION BOXES: Interior outlet boxes shall be galvanized steel with the required number and size of knockouts, shall be not less than 4" size, octagonal, for ceiling, square or rectangular for walls, and shall be larger where required by code and/or number of wires in box. Outlet boxes shall be not less than 1-1/2" deep but, in no case, shall the size and depth of boxes be less than that required by the N.E.C. Outlets in finished sheetrock walls shall be installed to the back surface of ceilings or wall with extension ring of required depth to finish flush with the finish surfaces.

Outlets for concealed work shall be stamped steel. Exposed outlets to be threaded hub aluminum. Small junction boxes shall be stamped steel. Larger junction boxes shall be of size indicated on the drawings or required, constructed of galvanized steel, code gauge.

Lighting fixtures shall bear the Underwriter's Label. The make and style of the fixtures are listed on the fixture schedule on the drawings. The Contractor shall submit a complete list of the fixtures he proposes to use in the building to the Engineer for his approval.

7. TESTS:

Upon completion of the work the Electrical Contractor shall demonstrate that the new installations are complete and in perfect operating order, with all wiring free from grounds or shorts, and with raceway system properly grounded, and that the installation is in accordance with the requirements of the plans and specifications and in accordance with the requirements of the National Board of Fire Underwriter's and applicable state and local codes.

practices.

Tests as required shall also be performed for any authorities having jurisdiction and tests shall be performed at the Contractors expense and the Contractor shall provide all apparatus, temporary works, etc., as required for the tests.

Defects, where found, shall immediately be repaired and tests shall be repeated as required until the systems are demonstrated to be free of defects and have complied with test requirements.

Conduits, junction boxes, and other required equipment shall be grounded. Equipment grounding conductors shall be not less than No. 8 AWG size stranded. Grounding conductors shall be protected as required by installation in conduit.

outlet box.

svstem.

Concealed conduit shall be routed as short and direct as possible. Exposed building conduit shall be installed neatly and shall be routed parallel to or perpendicular to building walls. Conduits generally shall be routed clear of pipes, ducts, etc., which would subject the conduit to high ambient temperatures.

The radius of inner edge of any bend shall be not less than ten times the internal diameter of the conduit unless otherwise indicated on the drawings.

1. Installation and workmanship to be first class as generally accepted in trade. Entire installation to be per National Electric Code, 2014 edition and per all local codes and ordinances. Owner, Architect and Engineer will interpret meaning of drawings and shall have the power to reject any work not, in their judgment, in full accordance therewith. All materials shall bear the Underwriter's Label. Materials furnished shall bear the inspection label of the National Board of Fire Underwriters, where applicable. All materials shall

3. ABOVEGROUND CONDUIT:

Conduit 1-1/4" and smaller shall be EMT thin wall type with expansion gland, steel fittings as manufactured by T&B or equal approved. Where elbows are used, they shall be long radius type. Turns in conduit 1" and larger shall be threaded type made with factory "ells". Conduit 1-1/2" and larger shall be i.p.s. galvanized steel or IMC rigid with threaded fittings.

5. WIRING CONNECTIONS: Split bolt, solderless, compression type connectors shall be used on all wire No. 8 and larger. Connections on wire No. 10 and smaller shall be provided with wing nut connector as approved.

Disconnect switches used as motor disconnects shall be horsepower rated. Fuses shall be renewable, cartridge type, as manufactured by Bussman, or other approved equal. 50% spare links shall be furnished for each size fuse.

6. LIGHTING FIXTURES:

Fixtures shall be properly and securely mounted at the locations indicated on the drawings, and shall include all ballasts, fittings, parts, etc., required to properly complete the installation.

L.E.D. fixtures to have solid state electronic driver.

All wiring connections at, fixtures, switches, and all splices shall test free from any faults and shall have an insulation resistance between conductors and between conductors and ground as required by the latest edition of the National Electrical Code.

Tests shall be applied and performed in accordance with accepted good

8. GROUNDING:

Recessed lighting fixtures shall be connected to electrical grounding system. Green grounding conductor shall be installed inside flexible conduit from recessed lighting fixture to outlet box, making connection to conduit system in

Green grounding conductor shall be installed throughout entire new conduit

9. CONDUIT INSTALLATION:

METROPOLIS ARCHITECTURE 301 NORTH MAIN STREET. SUITE 1204 WINSTON-SALEM, NORTH CAROLINA 27101 336.725.1400 A CAR lillost 6012 \<u>pril 18 2018</u> WILLIAM G. ROBINSON, JR. CONSULTING ENGINEER 3512 VEST MILL ROAD. SUITE C WINSTON-SALEM, NC 27103 (336) 765-8780 ARTS Ħ 2 0 _ 4 27 CHOOL KETB REET OLINA \sim \sim >R AROLINA Al S COURT STUD 1533 SOUTH MAIN S WINSTON-SALEM, NORTH CA Π Δ Ú CENTI NORTH ц S S O ERSITY UNIVER Н MA COMMISSION:

DATE: APRIL 18, 2018 DESIGN PHASE: **CONSTRUCTION DOCUMENTS** REVISIONS:

SHEET TITLE: HAC & ELECTRICAL FLOOR PLAN

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