• General Notes •

1. All penetrations to interior walls shall be sized for proper clearance and to allow caulking of voids with U.S.G. acoustical sealant.

2. All penetrations for conduit, HVAC duct, etc shall be cut to size. Use a hole saw where applicable.

 Penetrations made with a hammer or other method that produces tear out will be rejected and require reworking of adjacent area.
 A patch made of gyp. board, around an opening, such as aHVAC duct

penetration is acceptable if voids are filled with fiberglass and perimeter of patch is caulked with a bead of acoustical sealant.

5. All wall and ceiling layers shall be glued and screwed.

6. Glue shall be "Miracle Adhesive DSA20" construction adhesive or approved equivalent.

7. All layers shall be applied with joints staggered to avoid joints lining up with each other in subsequent layers. Adjacent layers shall run perpendicular to each other.

8. Tape and bed all gyp. board joints. Tape and bed all surface layer joints.
 9. Joints in particle board or plywood layers shall be caulked. Fill all voids with acoustic sealant.

10. All doors shall be 1-3/4" solid core doors unless otherwise specified.11. Where any fabric is called for, such fabric shall meet all fire code requirements.

12. Generally there is to be a 3/4" x 3-1/2" baseboard. Add trim board(1-1/2", 2" or compatible size) where neatness calls for, at ceiling line on walls 13. All wall and structure must be rigid and air tight. Add bracing and blocking as required.

14. Do not scale drawings. Verify all dimensions and clearances from Architectural, structural show and other appropriate drawings on sit. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance and codes. Verify non-interference with other work.
15. Do not fabricate prior to verification of clearances for all trade read specifications.

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• Finishes: Wall Covering •

 Store all materials flat and in manufacture's cartons in upright position
 Complete lengths of wall coverings shall be inspected immediately upon receipt and before installation by contractor to make certain that it is free of defects of any kind and in the correct quantity, widths, pattern and color, and shall immediately notify consultant by phone and in writing of any deviation noted.
 The contractor is to furnish a written guarantee for work in this section against defective material and/or workmanship that may develop within one year from date of acceptance and agree to repair or replace as directed by consultant. Such work to be without additional cost to owner.

4. Wall coverings shall be hung in strict accordance with the manufacturer's written instructions. The general contractor shall assume total responsibility for satisfactory installation. All seams must be closely and neatly butted and aligned to the wall covering partition. All air pockets and bubbles to be eliminated and there must be a firm bond of the wall covering to the underlying wall surface except when indicated. All seams must be a minimum of 6" from all inside and outside corners and no horizontal seams will be accepted. All finished surfaces must be cleaned as the work progresses and all excess paste and adhesive must be removed upon completion of work.

A) Follow manufacturer's directions for mixing and applying adhesive and primer with mildewicide.

B) Use panels in exact order as they are cut from roll.

C) Trim off salvage of each panel deep enough to unsure color conformity using a straight edge on a cutting table.
 D) Fill in over doors and windows with panels cut in consecutive order from

roll. E) Vertical joints shall not occur less that 6" from inside or outside corners.

F) Match all pattern panels.

G) Any variation in color and/or pattern match shall be immediately

communicated to the manufacturer's representative got his inspection before proceeding further with installation. H) Where vinyl or wall covering abut paint surface, vinyl or wall covering shall

be terminated in a chrome j-molding strip. I) Vinyl or wall covering is to be installed prior to baseboard

6. Upon completion or work in this section, the contractor shall leave site in neat, clean and acceptable condition.

1. The General Contractors drawings

Ceilings in all areas shall be installed in strict accordance with manufacturer's specifications and codes.
 In general, the ceiling work requirements shall be executed in such a manner as to provide a continuous matching and aligning ceiling. The final ceiling installation must be free of all visual defects where adjacent to existing work, new

joints to align with existing 4. All new ceiling tile shall match existing and/or adjacent tile in style, size and

installation 5. Hung ceiling heights shall be shown on Sections, Interior Elevations and Construction Details, any deviation from heights must be submitted to consultant

for approval.
6. No ceiling tiles shall be installed until the building management has had an opportunity to inspect the areas ascertain that all ductwork, plumbing, electrical, etc. has been reinstalled properly.
7. Carrying channels for the ceiling shall be bolted to hangers as required but not over 4'-0" OC and 6"off walls and partitions parallel to the channels.
8. Fascias or any break in the ceiling heights created by the installation and/or alteration of heating, ventilating, are conditioning or mechanical ducts, piping, or other equipment shall be formed of gypsum wallboard on furring channels
9. Any change in ceiling grid occurring between two rooms shall be located at

centerline of partitions. 10. The general contractor shall provide an oversize tile and cut same to avoid 'sliver' pieces and install same in each area when an acoustic ceiling tile line-up ends 2" or less from a partition. 11. The general contractor's ceiling contractor shall closely coordinate his work with that of the cabinet, plumbing, hvac, electrical contractors and the telephone company wherever their respective work is contiguous. 12. The general contractor shall provide and install all ceiling access tile in acoustic ceilings to furnish access for inspection maintenance to all air conditioning, plumbing, telephone and electrical controls requiring access. 13. The general contractor shall provide and install all ceiling access panels required in gypsum board ceilings using 'Milcor' style K. Size on access door shall be determined by contractors whose work necessitates access. Location of access door is to be approved by consultant before proceeding with work. 14. Prior to closing up any ceiling, all plenum systems (HVAC, plumbing and electrical) shall be inspected and where required, tested by contractor's engineers, building management, if required, and by the authorities having jurisdiction to insure their proper installation and function. 15. The ceiling tile shall be aligned perfectly with the recessed light fixtures 16. All joints in the tile field shall be square, level and perfectly aligned with each other and with the recessed light fixtures. 17. Ceilings in closets shall be of the same heights and construction as that of the adjoining space, except as otherwise noted. 18. The general contractor shall provide cutouts and other special provisions in acoustical work as required for lighting fixtures, registers, diffusers and other inserted items.

19. Suspended ceiling shall be constructed in accordance with the administrative code for fireproofing structures.
 20. The general contractor shall repair and/or replace any and all ceiling tiles which are to be removed to facilitate telephone installation.
 21. The general contractor will not be entitled to extras for opening any partition, floors or ceilings because of telephone company's and/or security system's installation.

22. Acoustic Cap to be installed in every room of the Audio Studio. Cap to be as close as possible to existing ductwork to achieve maximum height.

Acoustical Ceilings

1. The General Contractors shall provide hung ceiling as shown on consultant

Electrical Construction Notes

1. All splices in electrical systems shall be twisted a minimum of then joined with solder less typer connector. Connector shall be approved equivalent

2. Feeds from ceiling 'j' boxes to ceiling grid shall be of flexible (greenfield, etc)

3. Electrical boxes in acoustical walls shall not be placed back to shall be offset one(1) stud space each way to reduce possible a transmission paths.

4. All electrical device connections shall be made with proper se "Back-wired" or "speed-wired" push in devices are not acceptable.
5. Only commercial grade devices shall be acceptable. All craft conform to current standards

6. All switches shall be of the 'silent' or 'quiet' type.

7. The contractor shall furnish all lamps, fuses, circuit breakers, etc., as required for operations of installed equipment/devices.
8. Outlet boxes shall be securely anchored, set true and plumb or cover shall extend beyond the finished wall or ceiling

9. Select boxes according to intended use and type of outlet. U diameter and 1-1/2" deep boxes for ceiling or wall mounted ligh 4" square boxes to contain flush mounted outlets. Provide plas rings for flush mounted outlets to conceal joint between box and material non-gangable switch boxes may be used only for single 10. Any non-technical (non-isolated) power conduits shall be ru contact with technical (isolated) power conduits. Exceptions mu audio consultant. Conduits from both systems shall no run para Crossing of systems conduits shall be at 90 degrees to each oth 11. All dimmers (transformer type) shall be fed by a switch in the of dimmer. Dimmers shall be mounted with manufacturer's bac 12. All house power utility duplex receptacle circuits in this shall three(3) conductors. Hot, neutral and ground. All three wires mumbered.

13. All breakers must be clearly labeled.

14. Where audio conduit is specified, contractor is to supply pu 15. Where electrical conduits turn from one plane to another (w attach with required fasteners 3-4" back from joint. If attachme at a closer point, place neoprene strip between conduit and rec 16. Construction of this area shall conform to all applicable stat building codes.

Sprinkler Notes

1. Existing distribution of piping shall be modified and coordina of lighting fixtures, ductwork, mechanical and plumbing system structural framing, etc.

2. All sprinkler pip penetrations through acoustic boundaries to consultant details.

3. Pipe routing is encouraged to be distributed through corrido acoustic spaces, in order to avoid isolation leaks between acoustic because of pipes penetrating acoustic boundaries.

<u>NOTE:</u> STEVEN DURR DESI A SERVICE FOR WHICH A LI ELECTRICAL, MECHANICAL ARE TO BE FURNISHED BY

of three(3) turns, be 3M scotchlok or e construction k to back. Boxes e acoustical screw terminations. cable. aft work shall rs, bulbs, elements, s		Acoustical Design 4117 Hillsboro Pike, suite 103-147 Nashville, TN 37215 & Consultants 615-383-1580	Steven durr designs
Use a minimum 4" ghting fixtures. Use aster or masonry ind wall finish gle gang switches. run so as to avoid must be approved by arallel to each other. other. the supply line side ack box only. all be wired with must be labeled or oull strings in place. (wall to ceiling) hent must be made equired fastener. ate, local and federal		Recording Studio Renovation	Garrett Starks 2908 Epperly Drive Del City, OKC 73115
SIGNS, LLC DOES NOT PROVIDE LICENSE IS REQUIRED. ACTUAL L AND STRUCTURAL DESIGN 'A LICENSED ENGINEER.	DD DESIGN DEVELOPMENT WD WORKING DRAWINGS PS PERMIT SET CD CONSTRUCTION DOCUMENTS ▲ REVISION ISSUE	SP-CS SD-01 SD-02 SD-03 SD-03 SD-04 SD-04 SD-05	SV S







<u>NOTE:</u> ALL DIMENSIONS ARE NOMINAL. ADJUST TO FIT AS-BUILT CONDITIONS AS REQUIRED.





2nd FLOOR DIMENSION PLAN

2906 Del C	

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

NOTES:

1. THIS DRAWING IS INTENDED ONLY TO CLARIFY ACOUSTICAL REQUIREMENTS. ACTUAL HVAC DESIGN TO BE FURNISHED BY MECHANICAL ENGINEER.

2. IF SHEET METAL DUCTS ARE USED: ONE INCH THICK O.C.F. "DUCT LINER BOARD" INTERNAL LINING IS REQUIRED AND EXTERIOR OF DUCT WRAPED WITH ACOUSTICAL TYPE WRAP.

3. ALL PENETRATIONS OF WALLS OR ISOLATED CEILINGS TO BE SEALED WITH ACOUSTICAL CAULK OR OTHER AIRTIGHT SEALANT. SEE GENERAL NOTES FOR WALL PENETRATIONS.

4. FLEXIBLE COUPLINGS ARE REQUIRED BETWEEN DUCT WORK AND MIXER BOXES AND ANY DUCT WORK SUPPORTED BY FLOATING WALLS. 5. MAIN DUCT VELOCITIES 650 FT/MIN MAX. FACE VELOCITIES 250 FT/ MIN MAX.

6. BALANCING TO BE ACCOMPLISHED MAINLY BY DUCT SIZING AND DAMPERS LOCATED AT ALL TAKEOFFS. DAMPERS TO BE AT LEAST 6 FEET UPSTREAM FROM DIFFUSERS. NO DAMPERS AT DIFFUSERS.

7. REHEAT COILS MUST NOT BE RECESSED INTO SOUND RATED WALLS. 8. APPROXIMATE SUPPLY AND RETURN GRILL LOCATIONS ARE INDICATED. LOCATE AS REQUIRED.

9. CEILING DIFFUSERS ARE PAINTED TO MATCH COLOR OF CEILING TILES.

10. FLEX DUCT TO DIFFUSERS AND RETURN GRILLS IS ACCEPTABLE. 11. CARE MUST BE TAKEN TO INSURE METAL DUCTS DO NOT VIBRATE AGAINST THE BUILDING STRUCTURE OR ANY OTHER OBJECTS.

12. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR ADJUSTMENT OF ALL VOLUME CONTROLS LOCATED AT TAKEOFFS.

13. ALL UNITS LOCATED IN TECHNICAL AREAS SHALL BE MOUNTED ON PROPER SPRING ISOLATORS. 14. HUMIDITY CONTROL TO BE ACCOMPLISHED BY REHEAT COILS

CONTROLLED BY HUMIDISTAT. 15. CONTRACTOR TO USE ONLY FIRST QUALITY CONTROLS SUCH AS

DIGITAL HONEYWELL. 16. ALL DIFFUSERS AND RETURNS ARE BY METALAIR AND HART COOLY. SUBSTITUTIONS ARE ALLOWED BUT MUST BE APPROVED BY

ACOUSTICAL CONSULTANT. 17. ALL DX UNITS TO BE WINTERIZED TO PRODUCE COLD AIR YEAR

AROUND. 18. DUCT WORK CAN NOT PENETRATE ACOUSTICAL CAP.

SYMBOL KEY			
	SUPPLY DUCTWORK		
	RETURN DUCTWORK		
\bigcirc	FLEX DUCT WITH NO GRILLE		
	2' x 2' SUPPLY AIR GRILLE		
	2' x 2' RETURN AIR GRILLE		
\square	16" X 16" SUPPLY AIR GRILLE		
	VOLUME CONTROL @ TAKE-OFF(TYP.)		
\otimes	HART COOLEY 16 - 14" CEILING DIFFUSER		
\$	VOLUME CONTROL @ TAKE-OFF(TYP.)		









SYMBOL KEY			
	SUPPLY DUCTWORK		
	RETURN DUCTWORK		
0	FLEX DUCT WITH NO GRILLE		
	2' x 2' SUPPLY AIR GRILLE		
	2' x 2' RETURN AIR GRILLE		
	16" X 16" SUPPLY AIR GRILLE		
	VOLUME CONTROL @ TAKE-OFF(TYP.)		
\otimes	HART COOLEY RZ16 CEILING DIFFUSER		
\$	VOLUME CONTROL @ TAKE-OFF(TYP.)		



NOTE: 3-TON UNIT IS RELOCATED FROM EXISTING AND 2-TON IS A NEW UNIT

NOTE: 3-TON UNIT IS RELOCATED FROM EXISTING CONDITIONS



2nd FLOOR HVAC PLAN

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



SYMBOL KEY			
\otimes	6" RECESSED CAN		
Ø	PENDANT FIXTURE		
	2' FLORESCENT LIGHT		
	SWITCH		
—↔— D	DIMMER SWITCH		
	SCONCE FIXTURE		
н₽⊖	120V 20A HOUSE POWER DUPLEX RECEPTACLE		
н₽⊕	120V 20A HOUSE POWER QUAD RECEPTACLE		
ТР⊖	120V 20A TECH POWER DUPLEX RECEPTACLE		
тр∰	120V 20A TECH POWER QUAD RECEPTACLE		











2nd FLOOR CABLE PLAN

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





Acoustical Design 4117 Hillsboro Pike, suite 103-147	& Consultants 615-383-1580				steven durr designs	CONSULTING - SOUND REINFORCEMENT - ROOM ACOUSTICS - STUDIO DESIGN - NOISE CONTROL
Recording Studio Renovation Garrett Starks 2908 Epperly Drive Del City, OKC 73115						
3/14 - MS	2/14 - MS	1/14 - MS	7/14 - MS	<u>.</u>		
VD 08/0	70/60 St)D 10/3	11/1]			
>		 I		x		
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SD- SD-	02 03	1 st Flo 2 nd Flo	oor Dir oor Pl	nensi an	on Pla	เท
SD-	04 05	2 nd Fl 1 st Flo	oor Di	mens AC P	ion Pla	an
SD-	06 07	2 nd Fl	oor H	/AC F	rlan Il Plan	
SD- SD-	08 09	2 nd Floor Electrical Plan 1 st Floor Cable Plan				
SD- SD-	10 11	2 nd Fl	oor Ca	able P tails	lan	
SD-	12 13	Framing Details Sections				
	-					
	S	S C)-	1	2	2

Live Room Interior Elevations

Control Room A Interior Elevations

6" WOOD BASE TRIM, PAINTED BLACK

6" WOOD BASE TRIM, PAINTED BLACK

